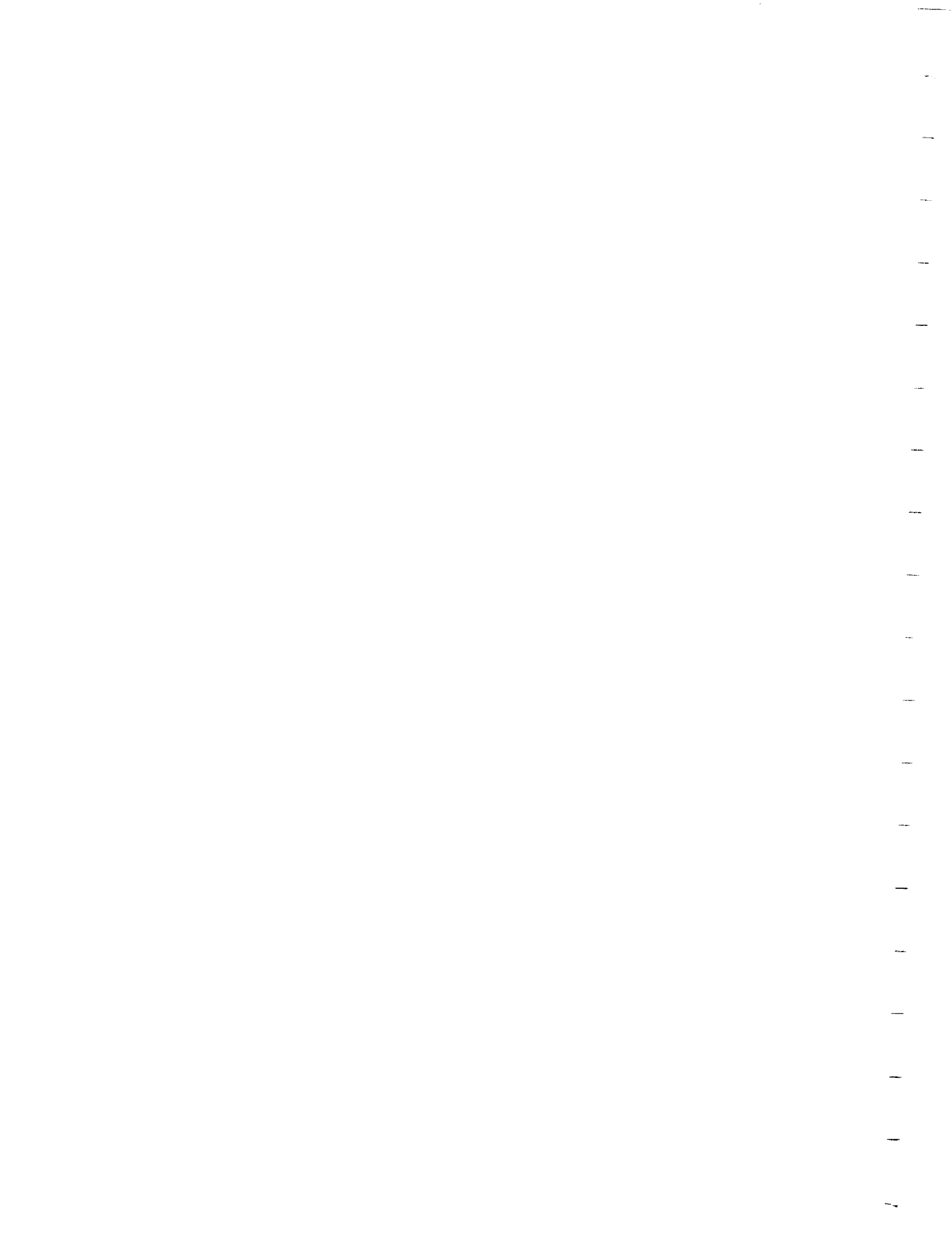


INDEPENDENT ORBITER ASSESSMENT

**CIL ISSUES
RESOLUTION REPORT
VOLUME 1 OF 3**

16 SEPTEMBER 1988



MCDONNELL DOUGLAS ASTRONAUTICS COMPANY
ENGINEERING SERVICES

SPACE TRANSPORTATION SYSTEM ENGINEERING AND OPERATIONS SUPPORT

WORKING PAPER NO. 1.0-WP-VA88003-48

INDEPENDENT ORBITER ASSESSMENT
CIL ISSUES RESOLUTION REPORT

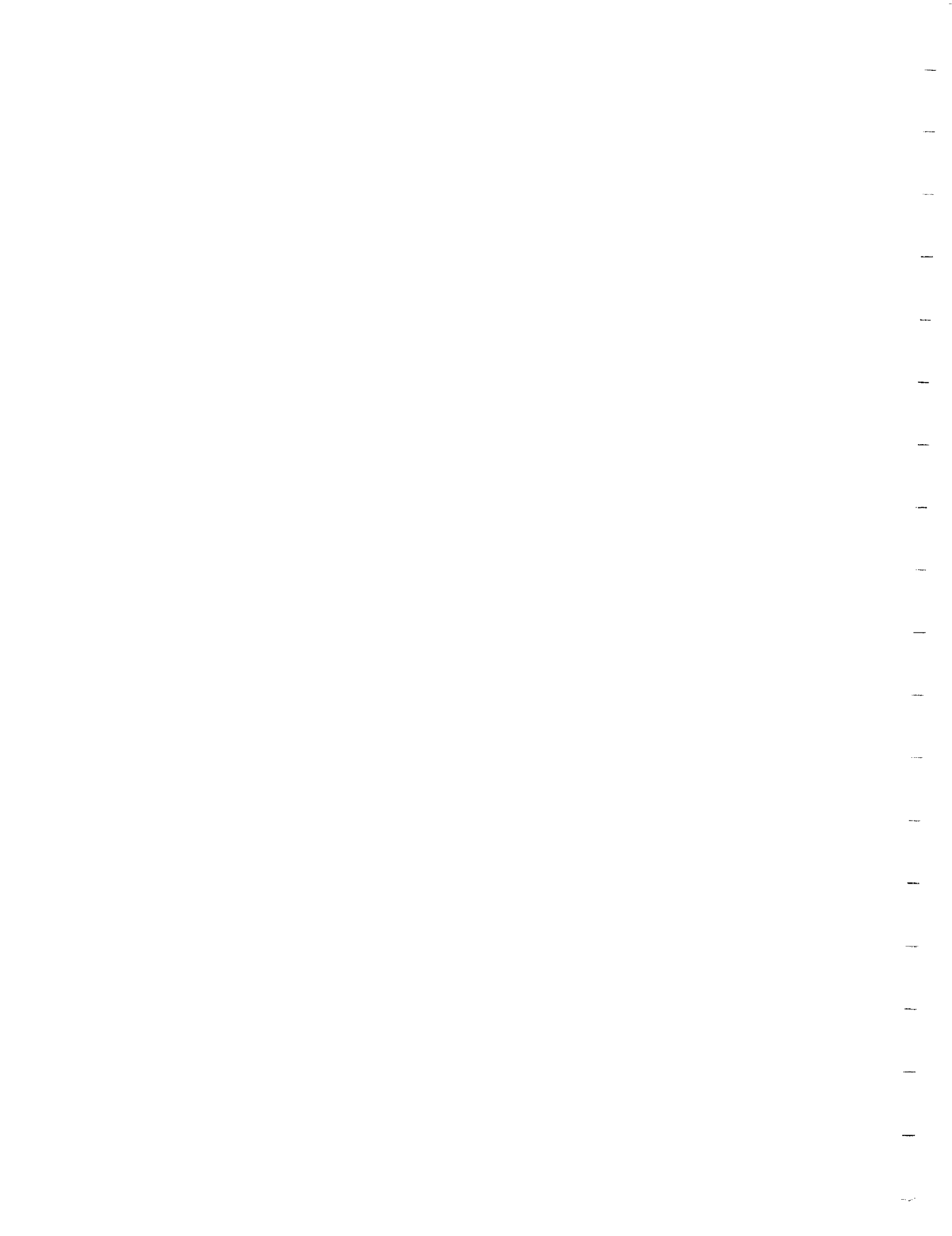
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Independent Orbiter Assessment CIL Issues Resolution Report

1.0 EXECUTIVE SUMMARY

The McDonnell Douglas Astronautics Company (MDAC) was selected in June, 1986 to perform an Independent Orbiter Assessment (IOA) of the Failure Modes and Effects Analysis (FMEA) and Critical Items List (CIL). Direction was provided by the Orbiter and GFE Projects Office to perform the hardware analysis and assessment using the instructions and ground rules defined in NSTS 22206, Instructions for Preparation of FMEA and CIL.

Subsystem FMEA/CIL assessments were completed as revised NASA and prime contractor FMEA/CIL documentation became available. The MDAC IOA task was brought to an interim conclusion in March, 1988. This resulted in several subsystem assessment reports being published with open issues. Subsequent task authority was received that allowed for the resolution of all remaining open issues involving the critical items list.

This report contains IOA assessment worksheets showing resolution of outstanding IOA CIL issues that were summarized in the IOA FMEA/CIL Assessment Interim Report, dated 9 March 1988 (reference 70). Each assessment worksheet has been updated with CIL issue resolution and rationale.

2.0 INTRODUCTION

The 51-L Challenger accident prompted NASA to readdress safety policies, concepts, and rationale being used in the National Space Transportation System (NSTS). MDAC is providing an independent assessment of the proposed post 51-L Orbiter FMEA/CIL for completeness and technical accuracy.

The MDAC was initially tasked in June 1986 to conduct an independent analysis and assessment on twenty subsystems. Subsequently, in April 1987, eight additional subsystems were added which provided complete coverage of all standard Orbiter equipment. Table 2-1 provides a listing of the Orbiter and GFE subsystems identified by NASA to the National Research Council, Shuttle Criticality Review and Hazard Analysis Audit Committee.

Table 2-1

ORBITER AND GFE SUBSYSTEMS

ORIGINAL TWENTY SUBSYSTEMS (JUNE 1986)

- o Guidance, Navigation and Control (GN&C)
- o Data Processing System (DPS)
- o Backup Flight System (BFS)
- o Nose Wheel Steering (NWS)
- o Instrumentation (INST)
- o Electrical Power, Distribution & Control (EPD&C)
- o Main Propulsion System (MPS)
- o Fuel Cell Powerplant (FCP)
- o Power Reactant Supply & Distribution System (PRS&D)
- o Orbital Maneuvering System (OMS)
- o Reaction Control System (RCS)
- o Auxiliary Power Unit (APU)
- o Hydraulics & Water Spray Boiler (HYD & WSB)
- o Atmospheric Revitalization System (ARS)
- o Atmospheric Revitalization Pressure Control System (ARPCS)
- o Extravehicular Mobility Unit (EMU)
- o Manned Maneuvering Unit (MMU)
- o Landing & Deceleration (L&D)
- o Hydraulic Actuators (HA)
- o Remote Manipulator System (RMS)

ADDITIONAL EIGHT SUBSYSTEMS (APRIL 1987)

- o Communications and Tracking (C&T)
- o Displays and Controls (D&C)
- o Orbiter Experiments (OEX)
- o Pyrotechnics (PYRO)
- o Purge, Vent and Drain (PV&D)
- o Mechanical Actuation System (MAS)
- o Active Thermal Control System (ATCS), Life Support System (LSS), and Airlock Support System (ALSS)
- o Crew Equipment (CE)

The IOA analysis approach is summarized in the following steps 1.0 through 3.0. Step 4.0 summarizes the assessment of the NASA and Prime Contractor FMEA/CIL.

- Step 1.0 Subsystem Familiarization
 - 1.1 Define subsystem functions
 - 1.2 Define subsystem components
 - 1.3 Define subsystem specific ground rules and assumptions

- Step 2.0 Define Subsystem Analysis Diagram
 - 2.1 Define subsystem
 - 2.2 Define major assemblies
 - 2.3 Develop detailed subsystem representations

- Step 3.0 Failure Events Definition
 - 3.1 Construct matrix of failure modes
 - 3.2 Document IOA analysis results

- Step 4.0 Compare IOA Analysis Data to NASA FMEA/CIL
 - 4.1 Resolve differences
 - 4.2 Review in-house
 - 4.3 Document assessment issues
 - 4.4 Forward findings to Project Manager

As a result of the preceding steps, general project assumptions and ground rules (Appendix B) were developed to amplify and clarify instructions in NSTS 22206. Also, subsystem specific assumptions and ground rules were defined.

3.0 CIL ISSUES RESOLUTION WORKSHEETS SUMMARY

The IOA analysis process produced an initial total of 10,735 independently derived failure modes and 4,513 potential critical items. As of 9 March 1988, when the Interim Report was published (reference 70), a total of 3,193 FMEA issues and 1,637 CIL assessment issues remained open due to a lack of revised subsystem FMEA/CIL documentation to be assessed. Several subsystems were still in the Rockwell FMEA/CIL revision process during the first quarter of 1988. The IOA assessment results were fully documented in separate subsystem reports (references 36 through 69) and summarized in the Interim Report. Subsequently, MDAC received revised CIL documentation and was able to resolve all CIL issues. Out of 1,693 CIL issues, NASA accepted 304 recommendations and IOA withdrew 1,369 issues. As a result, all issues with safety and mission implications were resolved.

Appendix C includes the revised IOA assessment worksheets reflecting the resolution of the open CIL issues. Resolution rationale is presented in the "Remarks" section at the bottom of each assessment worksheet.

The number of assessment worksheets differs in many cases from the number of CIL issues shown in the FMEA/CIL Assessment Interim Report. This difference stems from the fact that there is not always a one-to-one correspondence of IOA failure modes to NASA failure modes.

The following subsystems have been excluded from this report since they had no outstanding CIL issues remaining at the time of publication of the interim report.

- o Fuel Cell Powerplant
- o Hydraulic Actuators
- o Displays and Controls
- o Guidance, Navigation and Control
- o Orbiter Experiments
- o Auxiliary Power Unit
- o Backup Flight System
- o Electrical Power Distribution and Control

In addition, the Manned Maneuvering Unit was omitted. This was due to NASA indefinitely deferring its review of the Manned Maneuvering Unit FMEA/CIL.

4.0 CONCLUSIONS

This report, as a companion volume to the Independent Orbiter Assessment Final Report, MDAC Working Paper 1.0-WP-VA88003-47, dated 16 September 1988, is intended to provide resolution and rationale closing all open CIL assessment issues. In summary, the NASA and Prime Contractor post 51-L FMEA/CIL documentation assessed is believed to be technically accurate and complete. No assessment issues remain that have safety implications.

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APPENDIX A
ACRONYMS

ACRONYMS

ABS	- Ammonia Boiler System
ACA	- Annunciator Control Assembly
ACIP	- Aerodynamic Coefficient Instrumentation Package
ADI	- Attitude Direction Indicator
ADP	- Air Data Probe
ADS	- Audio Distribution System
ADTA	- Air Data Transducer Assembly
ALCA	- Aft Load Control Assembly
AMCA	- Aft Motor Control Assembly
AOA	- Abort-Once-Around
AOS	- Acquisition of Signal
APC	- Aft Power Controller
APU	- Auxiliary Power Unit
ARCS	- Aft Reaction Control System (Subsystem)
ARPCS	- Atmospheric Revitalization Pressure Control System
ARS	- Atmospheric Revitalization System
ASA	- Aerosurface Servo Amplifier
ATCS	- Active Thermal Control Subsystem
ATO	- Abort-To-Orbit
ATVC	- Ascent Thrust Vector Control
B&AS	- Brakes and Antiskid
BF	- Body Flap
BFC	- Backup Flight Control
BFS	- Backup Flight System
BITE	- Built-In Test Equipment
C&W	- Caution and Warning
CCB	- Change Control Board
CCC	- Contaminant Control Cartridge
CCTV	- Closed-Circuit Television
CCU	- Crew Communications Umbilical
CIL	- Critical Items List
CIU	- Communications Interface Unit
CNTRLR	- Controller
COAS	- Crew Optical Alignment Sight
COMM	- Communication
CPU	- Central Processing Unit
CRIT	- Criticality
CWS	- Caution and Warning System
D&C	- Displays and Controls
DAP	- Digital Autopilot
DCM	- Display and Control Module
DCN	- Document Change Notice
DDU	- Display Driver Unit
DEU	- Display Electronic Unit
DFI	- Development Flight Instrumentation
DHE	- Data-Handling Electronics
DMA	- Deployed Mechanical Assembly
DOD	- Department of Defense
DPS	- Data Processing System (Subsystem)
DSC	- Dedicated Signal Conditioner

ACRONYMS

ECLSS	- Environmental Control and Life Support System (Subsystem)
EI	- Entry Interface
EIU	- Engine Interface Unit
EMU	- Extravehicular Mobility Unit
EPA	- Environmental Protection Agency
EPDC	- Electrical Power, Distribution and Control
EPG	- Electrical Power Generator
EPS	- Electrical Power System
ET	- External Tank
EVA	- Extravehicular Activity
EVCS	- Extravehicular Communications System
FC	- Fuel Cell
FCA	- Flow Control Assembly
FCL	- Freon Coolant Loop
FCOS	- Flight Control Operating System
FCP	- Fuel Cell Power (Plant)
FCS	- Flight Control System
FDA	- Fault Detection and Annunciation
FDM	- Frequency Division Multiplexing
FES	- Flash Evaporator System
FFSSO	- Forward Fuselage Support System for OEX
FLCA	- Forward Load Control Assembly
FM	- Failure Mode
FMCA	- Forward Motor Control Assembly
FMD	- Frequency Division Multiplexer
FMEA	- Failure Modes and Effects Analysis
FPC	- Forward Power Controller
FRCS	- Forward Reaction Control System (Subsystem)
FSM	- Fault Summary Message
FSS	- Flight Support Structure
FSSR	- Flight Systems Software Requirements
FSW	- Flight Software
GAS	- Get-Away Special
GFE	- Government Furnished Equipment
GMT	- Greenwich Mean Time
GNC	- Guidance, Navigation, and Control
GPC	- General Purpose Computer
GSE	- Ground Support Equipment
GSTDN	- Ground Spaceflight Tracking and Data Network
HDC	- Hybrid Driver Controller
HEX	- Heat Exchanger
HIRAP	- High-Resolution Accelerometer Package
HIU	- Headset Interface Unit
HPFTP	- High-Pressure Fuel Turbopump
HPOT	- High-Pressure Oxidizer Turbopump
HUT	- Hard Upper Torso
HW	- Hardware
HX	- Heat Exchanger
HYD	- Hydraulics

ACRONYMS

ICM	- Interface Control Module
ICMS	- Intercom Master Station
ICOM	- Intercommunications
ICRS	- Intercom Remote Station
IFM	- In-Flight Maintenance
IMU	- Inertial Measurement Unit
IOA	- Independent Orbiter Assessment
IOM	- Input/Output Module
IUS	- Inertial Upper Stage
IVA	- Intravehicular Activity
JSC	- Johnson Space Center
KBD	- Ku-Band Deploy
LCA	- Load Controller Assembly
LCC	- Launch Control Center
LCVG	- Liquid Cooling and Ventilation Garment
LEH	- Launch/Entry Helmet
LNDG/DECEL	- Landing and Deceleration
LPS	- Launch Processing System
LRU	- Line Replaceable Unit
LSS	- Life Support Subsystem
LTA	- Lower Torso Assembly
MADS	- Modular Auxiliary Data System
MAS	- Mechanical Actuation System
MCA	- Motor Control Assembly
MCC	- Mission Control Center (JSC)
MCDS	- Multifunction CRT Display System
MDAC	- McDonnell Douglas Astronautics Company
MDM	- Multiplexer/Demultiplexer
MEC	- Main Engine Controller
MECO	- Main Engine Cutoff
MET	- Mission Elapsed Time
MGSSA	- Main Gear Shock Strut Assembly
MIA	- Multiplexer Interface Adapter
MLG	- Main Landing Gear
MM	- Major Mode
MMU	- Manned Maneuvering Unit
MMU	- Mass Memory Unit
MPL	- Minimum Power Level (65%)
MPM	- Manipulator Positioning Mechanism
MPS	- Main Propulsion System (Subsystem)
MS	- Mission Specialist
MSBLS	- Microwave Scanning Beam Landing System
MSK	- Manual Select Keyboard
MTU	- Master Timing Unit
MUX	- Multiplex
NASA	- National Aeronautics and Space Administration
NGSSA	- Nose Landing Gear Shock Strut Assembly
NGTD	- Nose Gear Touch Down
NLG	- Nose Landing Gear
NSI	- NASA Standard Initiator

ACRONYMS

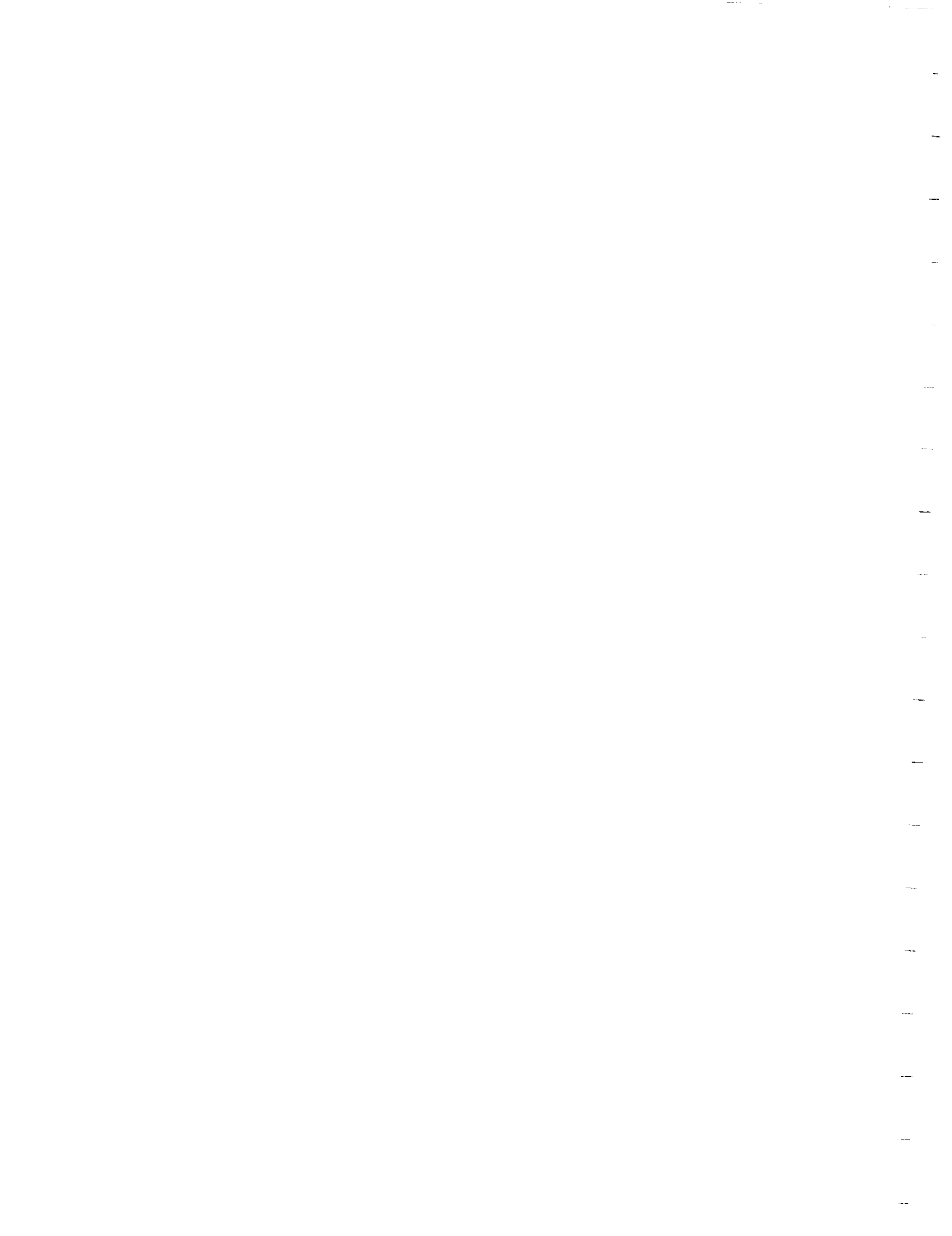
NSP	- Network Signal Processor
NSTS	- National Space Transportation System
NWS	- Nose-Wheel Steering
OBS	- Operational Bioinstrumentation System
OEX	- Orbiter Experiments
OI	- Operational Instrumentation
OMRSD	- Operational Maintenance Requirements & Specifications Document
OMS	- Orbital Maneuvering System
OTB	- Orbiter Timing Buffer
OWDA	- Operational Water Dispenser Assembly
P/L	- Payload
PASS	- Primary Avionics Software System
PBI	- Push-Button Indicator
PBM	- Payload Bay Mechanical
PCA	- Power Control Assembly
PCI	- Potential Critical Item
PCM	- Pulse Code Modulation
PCMMU	- Pulse Code Modulation Master Unit
PCN	- Page Change Notice
PCS	- Pressure Control System
PDU	- Power Drive Unit
PFR	- Portable Foot Restraint
PHS	- Personal Hygiene Station
PI	- Payload Interrogater
PIC	- Pyro Initiator Controller
PLB	- Payload Bay
PLBD	- Payload Bay Door
PLS	- Primary Landing Site
PLSS	- Portable Life Support Subsystem
PMS	- Propellant Management Subsystem
PRCB	- Program Requirements Control Board
PRCBD	- Program Requirements Control Board Directive
PRCS	- Primary Reaction Control System (jet)
PRD	- Payload Retention Device
PROM	- Programmable Read-Only Memory
PRSD	- Power Reactant Storage and Distribution
PRSDS	- Power Reactant Storage and Distribution System
PSA	- Power Section Assembly
PSA	- Provision Stowage Assembly
PSP	- Payload Signal Processor
PTT	- Push-to-talk
PV&D	- Purge, Vent & Drain
QD	- Quick Disconnect
R/BPA	- Rudder/Pedal Brake Assembly
RAM	- Random Access Memory
RCS	- Reaction Control System
RFCA	- Radiator and Flow Control Assembly
RFI	- Radio Frequency Interference
RGA	- Rate Gyro Assembly

ACRONYMS

RHC	- Rotation Hand Controller
RHS	- Rehydration Station
RI	- Rockwell International
RJD	- Reaction Jet Driver
RM	- Redundancy Management
RMS	- Remote Manipulator System
RPA	- Rudder Pedal Assembly
RPC	- Remote Power Controller
RPTA	- Rudder Pedal Transducer Assembly
RSB	- Rudder Speed Brake
RTD	- Resistance Temperature Device
RTLS	- Return-to-Launch-Site
RTS	- Remote Tracking Station
RVDT	- Rotary Variable Differential Transformer
SBTC	- Speed Brake Translation Controller
SCB	- Steering Control Box
SCM	- System Control Module
SCU	- Sequence Control Unit
SCU	- Service and Cooling Umbilical
SDM	- Startracker Door Mechanism
SEADS	- Shuttle Entry Air Data System
SFOM	- Shuttle Flight Operations Manual
SFP	- Single Failure Point
SGLS	- Space Ground Link System
SILTS	- Shuttle Infrared Leaside Temperature Sensor
SM	- Systems Management
SMM	- Solar Maximum Mission
SOP	- Secondary Oxygen Pack
SOS	- Space Operations Simulator
SPA	- Steering Position Amplifier
SPFA	- Single Point Failure Analysis
SPI	- Surface Position Indicator
SRB	- Solid Rocket Booster
SSA	- Space Suit Assembly
SSME	- Space Shuttle Main Engine
SSMEC	- SSME Controller
SSO	- Space Shuttle Orbiter
SSSH	- Space Shuttle Systems Handbook
ST	- Star Tracker
STDN	- Spaceflight Tracking and Data Network
STS	- Space Transportation System
TACAN	- Tactical Air Navigation
TAL	- Transatlantic Abort Landing
TCS	- Thermal Control System (Subsystem)
TD	- Touch Down
TDRS	- Tracking and Data Relay Satellite
THC	- Thruster Hand Controller
THC	- Translation Hand Controller
TPS	- Thermal Protection System
TVC	- Thrust Vector Control

ACRONYMS

UCD	- Urine Collection Device
UEA	- Unitized Electrode Assembly
UHF	- Ultra High Frequency
VDM	- Vent Door Mechanism
VRCS	- Vernier Reaction Control System (jet)
WBSC	- Wide-Band Signal Conditioner
WCCS	- Window Cavity Conditioning System
WCCU	- Wireless Crew Communications Umbilical
WMS	- Waste Management System
WP	- Working Paper
WRS	- Water Removal Subsystem
WSB	- Water Spray Boiler



APPENDIX B

DEFINITIONS, GROUND RULES, AND ASSUMPTIONS

B.1 Definitions

B.2 Project Level Ground Rules and Assumptions

**APPENDIX B
DEFINITIONS, GROUND RULES, AND ASSUMPTIONS**

B.1 Definitions

Definitions contained in NSTS 22206, Instructions For Preparation of FMEA/CIL, were used with the following amplifications and additions.

INTACT ABORT DEFINITIONS:

RTLS - begins at transition to OPS 6 and ends at transition to OPS 9, post-flight

TAL - begins at declaration of the abort and ends at transition to OPS 9, post-flight

AOA - begins at declaration of the abort and ends at transition to OPS 9, post-flight

ATO - begins at declaration of the abort and ends at transition to OPS 9, post-flight

CREDIBLE (CAUSE) - an event that can be predicted or expected in anticipated operational environmental conditions. Excludes an event where multiple failures must first occur to result in environmental extremes

CONTINGENCY CREW PROCEDURES - procedures that are utilized beyond the standard malfunction procedures, pocket checklists, and cue cards

EARLY MISSION TERMINATION - termination of onorbit phase prior to planned end of mission

EFFECTS/RATIONALE - description of the case which generated the highest criticality

HIGHEST CRITICALITY - the highest functional criticality determined in the phase-by-phase analysis

MAJOR MODE (MM) - major sub-mode of software operational sequence (OPS)

MC - Memory Configuration of Primary Avionics Software System (PASS)

MISSION - assigned performance of a specific Orbiter flight with payload/objective accomplishments including orbit phasing and altitude (excludes secondary payloads such as GAS cans, middeck P/L, etc.)

MULTIPLE ORDER FAILURE - describes the failure due to a single cause or event of all units which perform a necessary (critical) function

OFF-NOMINAL CREW PROCEDURES - procedures that are utilized beyond the standard malfunction procedures, pocket checklists, and cue cards

OPS - software operational sequence

PRIMARY MISSION OBJECTIVES - worst case primary mission objectives are equal to mission objectives

PHASE DEFINITIONS:

PRELAUNCH PHASE - begins at launch count-down Orbiter power-up and ends at moding to OPS Major Mode 102 (liftoff)

LIFTOFF MISSION PHASE - begins at SRB ignition (MM 102) and ends at transition out of OPS 1 (Synonymous with ASCENT)

ONORBIT PHASE - begins at transition to OPS 2 or OPS 8 and ends at transition out of OPS 2 or OPS 8

DEORBIT PHASE - begins at transition to OPS Major Mode 301 and ends at first main landing gear touchdown

LANDING/SAFING PHASE - begins at first main gear touchdown and ends with the completion of post-landing safing operations

**APPENDIX B
DEFINITIONS, GROUND RULES, AND ASSUMPTIONS**

B.2 IOA Project Level Ground Rules and Assumptions

The philosophy embodied in NSTS 22206, Instructions for Preparation of FMEA/CIL, was employed with the following amplifications and additions.

1. The operational flight software is an accurate implementation of the Flight System Software Requirements (FSSRs).

RATIONALE: Software verification is out-of-scope of this task.

2. After liftoff, any parameter which is monitored by system management (SM) or which drives any part of the Caution and Warning System (C&W) will support passage of Redundancy Screen B for its corresponding hardware item.

RATIONALE: Analysis of on-board parameter availability and/or the actual monitoring by the crew is beyond the scope of this task.

3. Any data employed with flight software is assumed to be functional for the specific vehicle and specific mission being flown.

RATIONALE: Mission data verification is out-of-scope of this task.

4. All hardware (including firmware) is manufactured and assembled to the design specifications/drawings.

RATIONALE: Acceptance and verification testing is designed to detect and identify problems before the item is approved for use.

5. All Flight Data File crew procedures will be assumed performed as written, and will not include human error in their performance.

RATIONALE: Failures caused by human operational error are out-of-scope of this task.

6. All hardware analyses will, as a minimum, be performed at the level of analysis existent within NASA/Prime Contractor Orbiter FMEA/CILs, and will be permitted to go to greater hardware detail levels but not lesser.

RATIONALE: Comparison of IOA analysis results with other analyses requires that both analyses be performed to a comparable level of detail.

7. Verification that a telemetry parameter is actually monitored during AOS by ground-based personnel is not required.

RATIONALE: Analysis of mission-dependent telemetry availability and/or the actual monitoring of applicable data by ground-based personnel is beyond the scope of this task.

8. The determination of criticalities per phase is based on the worst case effect of a failure for the phase being analyzed. The failure can occur in the phase being analyzed or in any previous phase, whichever produces the worst case effects for the phase of interest.

RATIONALE: Assigning phase criticalities ensures a thorough and complete analysis.

9. Analysis of wire harnesses, cables, and electrical connectors to determine if FMEAs are warranted will not be performed nor FMEAs assessed.

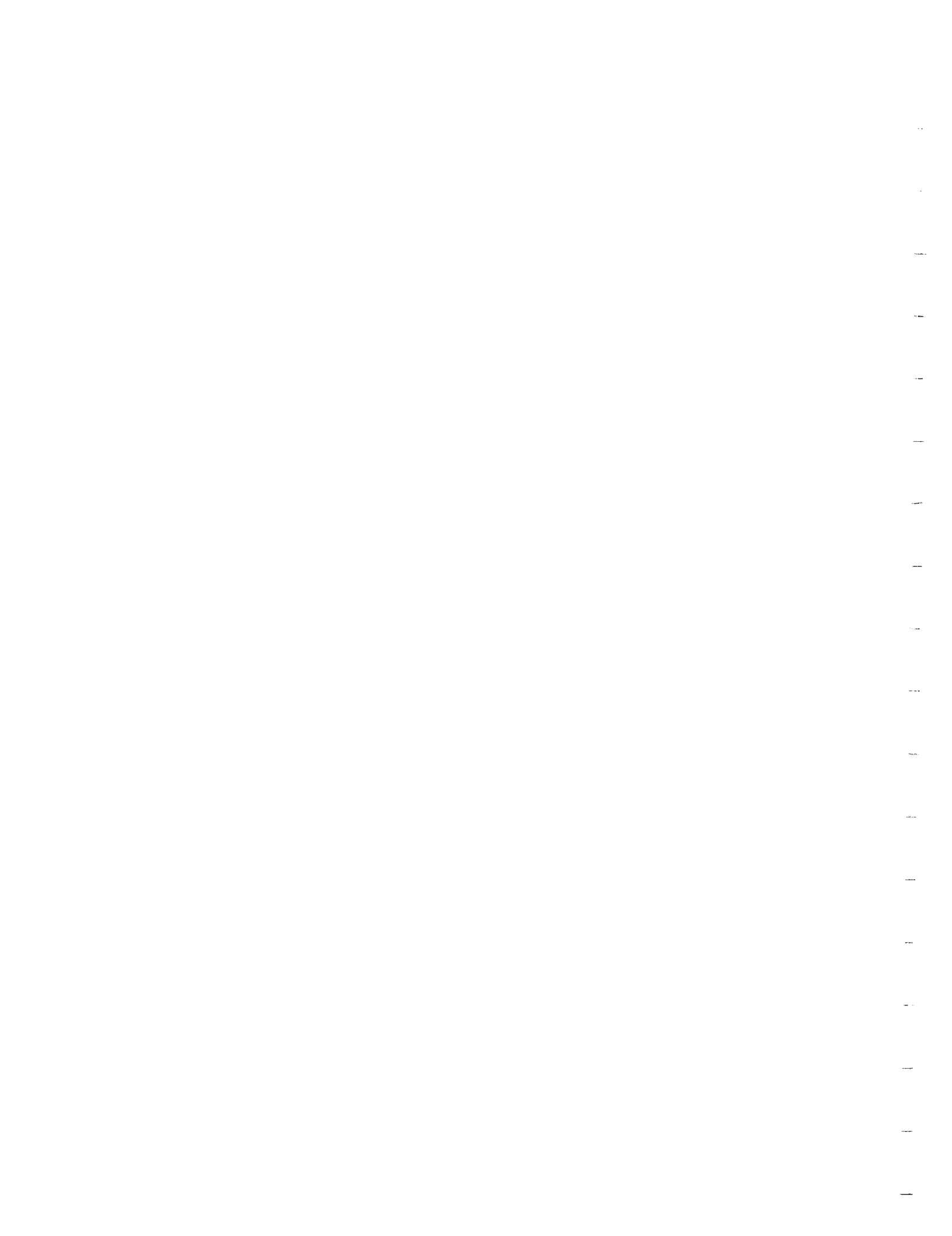
RATIONALE: Analysis was substantially complete prior to NSTS 22206 ground rule redirection.

10. Analysis of welds or brazed joints that cannot be inspected will not be performed nor FMEAs assessed.

RATIONALE: Analysis was substantially complete prior to NSTS 22206 ground rule redirection.

11. Emergency system or hardware will include burst discs and will exclude the EMU Secondary Oxygen Pack (SOP), pressure relief valves and the landing gear pyrotechnics.

RATIONALE: Clarify definition of emergency systems to ensure consistency throughout IOA project.



SECTION C-1
LANDING AND DECELERATION SUBSYSTEM

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-10205
 NASA FMEA #: 02-1-079-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 10205
 ITEM: DOWNLOCK BUNGEE

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[1 /1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N /N]	[N]	[]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

ALSO SEE 10206
 THE DOWNLOCK BUNGEE IS A MECHANICAL DEVICE THAT IF BENT OR JAMMED IN THE EXTENDED POSITION COULD CAUSE A FORCE THAT WOULD UNLOCK THE LOCK BRACE.
 HYDRAULICS - THE EXTEND/RETRACT HYD ACTUATOR IS THE ONLY REDUNDANT ITEM. WHEN THE VEHICLE IS SHUT DOWN POST LANDING THERE IS NO REDUNDANCY. THE NASA FMEA/CIL DOES NOT CONSIDER APU SHUTDOWN OCCURRING BEFORE CREW EGRESS.
 NASA/RI UPGRADED THE CRITICALITY OF NLG OVERCENTER DOWNLOCK BUNGEE STRUCTURAL FAILURE FROM 3/1R TO 2/1R. UPON FURTHER ANALYSIS THE IOA AGREES THAT PHYSICAL BINDING/JAMMING (A RESULT OF STRUCTURAL FAILURE) IS NOT A SINGLE FAILURE POINT; THEREFORE, THE IOA CRITICALITY SHOULD BE DOWNGRADED FROM 1/1 TO 2/1R.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-10206
 NASA FMEA #: 02-1-079-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 10206
 ITEM: DOWNLOCK BUNGEE

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[1 /1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N /N]	[N]	[]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE 10205. THERE WILL BE NO COMPLICATIONS THROUGHOUT THE LANDING UNTIL AFTER THE VEHICLE IS SHUTDOWN. ONCE THE HYDRAULICS SYSTEM IS DEACTIVATED THERE IS NO SYSTEM TO HOLD THE LOCK BRACE IN POSITION, AND A GUST OF WIND, AN IMPACT FROM APPROACHING VEHICLES OR MOVEMENT INSIDE THE VEHICLE COULD CAUSE NLG COLLAPSE. A COLLAPSE OF THE NLG WOULD CAUSE STRUCTURAL DAMAGE AND A POSSIBLE LOSS OF LIFE. THIS SITUATION CAN BE BYPASSED BY INSTALLING THE LANDING GEAR SAFETY PINS IN THE LOCK BRACE PRIOR TO HYDRAULICS SYSTEM 1 SHUTDOWN.

NASA/RI UPGRADED THE CRITICALITY OF NLG OVERCENTER DOWNLOCK BUNGEE STRUCTURAL FAILURE FROM 3/1R TO 2/1R. UPON FURTHER ANALYSIS THE IOA AGREES THAT STRUCTURAL FAILURE IS NOT A SINGLE FAILURE POINT; THEREFORE, THE IOA CRITICALITY SHOULD BE DOWNGRADED FROM 1/1 TO 2/1R.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-10210
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 10210
 ITEM: STEERING DISCONNECT LOCK

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[]
IOA	[1 / 1]	[NA]	[NA]	[NA]	[X] *
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE [X]

REMARKS:

NOT CONSIDERED BY THE NASA FMEA/CIL
 NASA FMEA 02-1A-076-1 ADDRESSES STRUCTURAL FAILURE OF THE
 NOSE LANDING GEAR TORQUE ARMS. THE IOA CONSIDERS THE STRUCTURAL
 FAILURE OF THE STEERING DISCONNECT LOCK TO BE COVERED BY THE NASA
 FMEA. THE IOA AND NASA/RI AGREE ON A 1/1 CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
ASSESSMENT ID: LDGDEC-10211
NASA FMEA #: 02-1-076-1

NASA DATA:
BASELINE [X]
NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
MDAC ID: 10211
ITEM: TORQUE ARM ASSEMBLY

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[] *
IOA	[1 /1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE [X]

REMARKS:

A NOSE WHEEL SLAPDOWN WHERE THE NOSE WHEEL ROTATES BEYOND A SAFE ANGLE OF ATTACK WILL CAUSE AN IMMEDIATE COLLAPSE OF THE NLG. NASA/RI UPGRADED THE CRITICALITY OF FMEA 02-1A-076-1 FROM 2/1R TO 1/1; THEREFORE, THE IOA AND NASA/RI ASSESSMENTS ARE IN COMPLETE AGREEMENT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-10212
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 10212
 ITEM: NOSE WHEEL RETAINING BOLT

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

ADDITIONAL DATA UNCOVERED AFTER STUDY COMPLETION ELIMINATES
 THIS IOA EVALUATION REPORT

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-10213
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 10213
 ITEM: AXLE

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NOT EVALUATED BY NASA
 NASA FMEA 02-1A-075-1 ADDRESSES STRUCTURAL FAILURE OF THE
 NOSE LANDING GEAR SHOCK STRUT AND OUTER CYLINDER AND LOAD
 CARRYING MEMBERS. FROM FURTHER ANALYSIS THE IOA CONCLUDES THAT
 THE NOSE LANDING GEAR AXLE IS PART OF THE NOSE LANDING GEAR SHOCK
 STRUT ASSEMBLY AND THEREFORE CAN BE CONSIDERED TO BE COVERED BY
 THE FMEA. THERE IS AGREEMENT BETWEEN THE IOA AND NASA/RI THAT
 THE CRITICALITY IS 1/1 AND THE HARDWARE FAILURE MODE IS A CIL
 ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-10220
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 10220
 ITEM: TORQUE TUBE ASSEMBLY

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[]
IOA	[1 / 1]	[NA]	[NA]	[NA]	[X] *
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE WORST CASE SCENARIO FOR A BROKEN TORQUE TUBE ASSEMBLY WOULD BE A FAILURE THAT WOULD PREVENT THE NLG FROM LOCKING IN THE EXTENDED POSITION. SIMILAR TO MLG TORQUE TUBE ASSY REF 02-1-010-1.

NASA/RI CREATED A NEW FMEA (02-1A-111-1) FOR THE NOSE LANDING GEAR TORQUE TUBE ASSEMBLY FAILURE MODE. THE IOA AND NASA/RI ARE IN AGREEMENT THAT THE CRITICALITY IS 1/1.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-10221
 NASA FMEA #: 02-1-077-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 10221
 ITEM: DRAG BRACE

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[NA]	[NA]	[NA]	[X] *
IOA	[1 / 1]	[NA]	[NA]	[NA]	[X]
COMPARE	[/]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

ALSO SEE 10202, 10203

FMEA 02-1-077-1 COVERS THE NLG DRAG BRACE ASSEMBLY BUT IT DOES NOT COVER THE CRITICAL PARTS INDIVIDUALLY. IOA AGREES WITH CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-10416
 NASA FMEA #: 02-6-H01-A04

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 10416
 ITEM: NLG EXTEND / RETRACT HYD STRUT ACTUATOR

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

REDUNDANCY SCREEN B BECAUSE HYD SYS 1 FLUID IS NOT CIRCULATED TO THIS ACTUATOR ONORBIT, THUS THE FAILURE IS NOT DETECTED. HOWEVER, FAILURE IS DETECTED WHEN SYSTEM ACTIVATED, THUS PASSING SCREEN. NASA INCORPORATED THIS FMEA/CIL INTO-A01, WHICH IS A HIGHER CRITICALITY-1/1.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-11003
 NASA FMEA #: 02-6-H03-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 11003
 ITEM: NLG UPLOCK ACTUATOR

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[NA]	[NA]	[NA]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

POSSIBLE LOSS OF HYDRAULICS SYSTEM 1. IF SYSTEM FAILS, THEN THE ORBITER IS ONE FAILURE AWAY FROM LOSS OF LIFE OR VEHICLE. PYRO BACKUP. HYDRAULIC FLUID IS NOT CIRCULATED TO THIS ACTUATOR ONORBIT, THUS FAILURE CANNOT BE DETECTED - FAILS REDUNDANCY SCREEN B.

WITHDRAW. THIS FAILURE IS INCORPORATED INTO-H03-1. A LEAK IS A LEAK REGARDLESS OF THE FAILURE MODE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-11004
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 11004
 ITEM: NLG UPLOCK ACTUATOR

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

GEAR WILL NOT RELEASE HYDRAULICALLY. THE PYRO BACKUP WILL RELEASE THE GEAR ONE SECOND AFTER THE COMMAND TO DEPLOY IF THE LANDING GEAR HOOK IS NOT OPEN. THIS FAILURE IS THE SAME AS AN "EXTERNAL HYDRAULIC LEAK" FOR CRITICALITY. THEREFORE, IT CAN BE COMBINED WITH MDAC 11005. WITHDRAW.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-11005
 NASA FMEA #: 02-6-H03-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 11005
 ITEM: NLG UPLOCK ACTUATOR

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

REDUNDANCY SCREEN B FAILS BECAUSE HYD SYS. 1 FLUID IS NOT CIRCULATED TO THIS ACTUATOR ONORBIT, THUS FAILURE NOT DETECTED. HOWEVER, FAILURE IS DETECTED WHEN SYSTEM ACTIVATED, THUS PASSING SCREEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
ASSESSMENT ID: LDGDEC-11102
NASA FMEA #: 02-1-097-1

NASA DATA:
BASELINE [X]
NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
MDAC ID: 11102
ITEM: NLG B/U PYRO UPLOCK RELEASE MECH

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[NA]	[NA]	[NA]	[X] *
IOA	[1 /1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE [X]

REMARKS:

SYSTEM IS NOT USED UNLESS HYDRAULIC UPLOCK RELEASE SYSTEM FAILS. IF THIS SYSTEM FAILS WHEN CALLED ON TO FUNCTION, THERE IS NO OTHER BACKUP.

ACCORDING TO THE REDUNDANCY RULES IN 22206, THIS SYSTEM IS A 2/1R CRITICALITY BUT, A FAILED HYDRAULICS SYSTEM ACTIVATES THIS SYSTEM. THIS SYSTEMS FAILURE WILL NOT ACTIVATE THE HYDRAULICS. THERE IS A LINEAR OPERATION HERE THAT WILL NOT ALLOW REVERSAL OF THE ROLES.

THE CRITICALITY DIFFERENCE IS ATRIBUTED TO DIFFERENT INTERPRETATIONS OF THE REDUNDANCY RULES IN NSTS 22206. FROM ADDITIONAL ANALYSIS THE IOA AGREES WITH THE NASA/RI ASSIGNMENT OF CRITICALITY 2/1R AND THE RETENTION OF THE FAILURE MODE AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-11302
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 11302
 ITEM: NLG DOOR BUNGEE ASSIST ASSY

LEAD ANALYST: W.WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

BUNGEE COULD POSSIBLY INADVERTENTLY RELEASE CAUSING THE NLG DOOR TO CRACK OPEN.

NASA/RI CREATED A NEW FMEA (02-1A-102-2) WHICH ADDRESSES PREMATURE RELEASE OF THE NOSE LANDING GEAR BOOSTER BUNGEE-DOOR EXTENSION ASSIST. THE ASSIGNED CRITICALITY IS 1/1 WHICH IS IN AGREEMENT WITH THE IOA ASSESSMENT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-20202
 NASA FMEA #: 02-1-001-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 20202
 ITEM: SHOCK STRUT PISTON ASSEMBLY

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[NA]	[NA]	[NA]	[] *
IOA	[1 / 1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE NASA FMEA COVERS ONLY THE LOSS OF NITROGEN.
 NASA/RI PREPARED A NEW FMEA, 02-1A-001-3, TO ADDRESS THE
 LOSS OF MLG SHOCK STRUT HYDRAULIC FLUID. THE 1/1 CRITICALITY IS
 IN AGREEMENT WITH THE IOA CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-20203
 NASA FMEA #: 02-1-001-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 20203
 ITEM: SHOCK STRUT PISTON ASSEMBLY

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[NA]	[NA]	[NA]	[] *
IOA	[3 / 1R]	[NA]	[NA]	[NA]	[X]
COMPARE	[/ N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA FMEA ASSUMES LOSS OF NITROGEN ELASTIC MEDIUM ONLY.

HYD FLUID IS CONSIDERED AS CAPABLE OF ABSORBING A LANDING SHOCK PER MC621-0011.

IOA AGREES WITH THE NASA/RI 3/3 CRITICALITY FOR LOSS OF NITROGEN PRESSURE IN THE MLG SHOCK STRUT. LOSS OF HYDRAULIC FLUID IS A DIFFERENT FAILURE MODE AND IS COVERED BY SEPARATE FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
ASSESSMENT ID: LDGDEC-20205
NASA FMEA #: NONE

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
MDAC ID: 20205
ITEM: AXLE KIT - MLG

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

NASA FMEA 02-1A-001-1 ADDRESSES STRUCTURAL FAILURE OF THE MAIN LANDING GEAR SHOCK STRUT INNER AND OUTER CYLINDER AND LOAD CARRING MEMBERS. FROM FURTHER ANALYSIS THE IOA CONCLUDES THAT THE MAIN LANDING GEAR AXLE IS PART OF THE MAIN LANDING GEAR SHOCK STRUT ASSEMBLY AND THEREFORE CAN BE CONSIDERED TO BE COVERED BY THE FMEA. THERE IS AGREEMENT BETWEEN THE IOA AND NASA/RI THAT THE CRITICALITY IS 1/1 AND THE HARDWARE FAILURE MODE IS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-20209
 NASA FMEA #: 02-1-008-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 20209
 ITEM: DOWN LOCK BUNGEE

LEAD ANALYST: W. WEISSINGER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[1 /1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N /N]	[N]	[]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

UNTIL THE SAFETY PIN IS INSTALLED IN THE LOCK BRACE THERE IS A MAJOR PROBLEM. FROM THE TIME THE HYD SYS 1 IS SHUTDOWN UNTIL THE SAFETY IS INSTALLED THERE IS AN IMINENT THREAT OF COLLAPSE. NASA/RI UPGRADED THE CRITICALITY OF MLG OVERCENTER DOWNLOCK BUNGEE STRUCTURAL FAILURE FROM 3/1R TO 2/1R. UPON FURTHER ANALYSIS THE IOA AGREES THAT THE DOWNLOCK BUNGEE IS NOT A SINGLE FAILURE POINT; THEREFORE, THE IOA, CRITICALITY SHOULD BE DOWNGRADED FROM 1/1 TO 2/1R.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-20402
 NASA FMEA #: 02-6-G09-A02

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 20402
 ITEM: MLG EXTEND / RETRACT HYD STRUT ACT

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[NA]	[NA]	[NA]	[] *
IOA	[2 / 1R]	[P]	[F]	[P]	[X]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

POSSIBLE LOSS OF HYDRAULICS SYSTEM 1. IF SYSTEM FAILS, THEN THE ORBITER IS ONE FAILURE AWAY FROM LOSS OF LIFE OR VEHICLE. THE GEAR HAS A PYRO BACKUP TO UNLOCK THE GEAR. IF IT FAILS, THE GEAR WILL NOT DEPLOY. NASA INCORPORATED THIS FMEA/CIL WITH-A01 WHICH IS A HIGHER CRITICALITY (1/1). AN EXTERNAL LEAK IS A LEAK REGARDLESS OF THE FAILURE MODE. ISSUE RESOLVED; IOA ACCEPTS HIGHER CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-20416
 NASA FMEA #: 02-6-G09-A04

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 20416
 ITEM: MLG EXTEND / RETRACT HYD STRUT ACT

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 1R]	[P]	[P]	[P]	[X] *
IOA	[2 / 1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

REDUNDANCY SCREEN B FAILS BECAUSE HYD SYS 1 FLUID IS NOT CIRCULATED TO THIS ACTUATOR ONORBIT, THUS, THE FAILURE IS NOT DETECTED. HOWEVER, FAILURE IS DETECTED WHEN SYSTEM ACTIVATED, THUS PASSING SCREEN. NASA INCORPORATED THIS FAILURE INTO-A01 WHICH IS A 1/1.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-21003
 NASA FMEA #: 02-6-G08-A02

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 21003
 ITEM: MLG UPLOCK ACTUATOR

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

POSSIBLE LOSS OF HYDRAULICS SYSTEM 1. IF SYSTEM FAILS, THEN THE ORBITER IS ONE FAILURE AWAY FROM LOSS OF LIFE OR VEHICLE. PYRO BACKUP. HYDRAULIC FLUID IS NOT CIRCULATED TO THIS ACTUATOR ONORBIT, THUS FAILURE CANNOT BE DETECTED - FAILS REDUNDANCY SCREEN B. HOWEVER, FAILURE IS DETECTED WHEN SYSTEM ACTIVATED, THUS PASSING SCREEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-21005
 NASA FMEA #: 02-6-G08-A01

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 21005
 ITEM: MLG UPLOCK ACTUATOR

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

REDUNDANCY SCREEN B FAILS BECAUSE HYD. SYS. 1 FLUID IS NOT CIRCULATED TO THIS ACTUATOR ONORBIT, THUS FAILURE NOT DETECTED. HOWEVER, FAILURE IS DETECTED WHEN SYSTEM ACTIVATED, THUS PASSING SCREEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-30105
 NASA FMEA #: 02-1-025-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 30105
 ITEM: BRAKE CIRCUIT

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[1 /1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

WITH BRAKE PRESSURE BEING APPLIED AT TOUCHDOWN, TIRE ON THAT WHEEL WILL PROBABLY BLOW RIGHT AFTER TOUCHDOWN CAUSING POSSIBLE LOSS OF VEHICLE.

NASA/RI UPGRADED THE CRITICALITY OF THE BRAKE CIRCUIT FAILURE FROM 2/1R TO 1/1. THIS RESULTS IN AGREEMENT WITH THE IOA ASSIGNED CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-30111
 NASA FMEA #: 02-1-033-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 30111
 ITEM: HYD PRESS REG (SYS 2 & 3)

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE 30129. SHOULD BE A 2 BECAUSE IF STANDBY SYSTEM HAD SOME FAILURE VERY LITTLE BRAKING WOULD BE AVAILABLE - ONLY FROM LAST REMAINING SYSTEM.

FROM ADDITIONAL ANALYSIS, THE IOA CONCLUDES THAT THE CRITICALITY OF THIS FAILURE MODE SHOULD BE 3/1R AND THAT THERE IS NO METHOD TO READILY DETECT THE FAILURE (FAILS B SCREEN); THEREFORE, THE HARDWARE FAILURE REMAINS AS A CIL ITEM. THIS IS IN AGREEMENT WITH THE REVISED NASA/RI EVALUATION OF FMEA 02-1B-033-2.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-30112
 NASA FMEA #: 02-1-030-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 30112
 ITEM: INLET FILTER, HYD MODULE ASSY

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NO CIL AVAILABLE. SHOULD BE 2/1R BECAUSE IF STANDBY FILTER GETS CLOGGED, HALF BRAKING CAPABILITY TO BRAKES IN THAT WHEEL WELL WILL BE LOST. SEE 30130.

ISSUE RESOLUTION:

FROM ADDITIONAL ANALYSIS, THE IOA CONCLUDES THE CRITICALITY OF THIS FAILURE MODE SHOULD BE 3/1R AND THAT THERE IS NO METHOD TO READILY DETECT THE FAILURE (FAILS B SCREEN); THEREFORE, THE HARDWARE FAILURE REMAINS AS A CIL ITEM. THIS IS IN AGREEMENT WITH THE REVISED NASA/RI EVALUATION OF FMEA 02-1B-030-1.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/15/86
 ASSESSMENT ID: LDGDEC-30129
 NASA FMEA #: 02-1-033-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: LANDING/DECELERATION SYSTEMS
 MDAC ID: 30129
 ITEM: HYD PRESS REG (SYS 1)

LEAD ANALYST: J. COMPTON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE [X]

REMARKS:

SEE 30111 - DIFFERENT BECAUSE THIS DOESN'T PASS REDUNDANCY SCREEN B.

FROM ADDITIONAL ANALYSIS, THE IOA CONCLUDES THAT THE CRITICALITY OF THIS FAILURE MODE SHOULD BE 3/1R AND THAT THERE IS NO METHOD TO READILY DETECT THE FAILURE (FAILS B SCREEN); THEREFORE, THE HARDWARE FAILURE REMAINS AS A CIL ITEM. THIS IS IN AGREEMENT WITH THE REVISED NASA/RI EVALUATION OF FMEA 02-1B-033-2.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31105A
 NASA FMEA #: 05-6BA-2205-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31105
 ITEM: TRANSIENT SUPPRESSOR DIODE (4), 3 AMPS

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA DOES NOT CONCUR WITH NASA'S EVALUATION AND IOA RECOMMENDS
 DOWNGRADING THE CRITICALITY AND REMOVING THIS ITEM FROM CIL.
 LOSS OF TWO DIODES IS LOSS OF A HYDRAULIC SYSTEM WHICH THEN
 RESULTS IN 3/1R CRITICALITY.
 IOA ACCEPTS THE MORE SEVERE NASA CRITICALITY WHICH IS DUE TO A
 MORE CONSERVATIVE INTERPRETATION OF REDUNDANCY GROUND RULES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31114
 NASA FMEA #: 05-6BA-2115-3

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31114
 ITEM: PUSHBUTTON SWITCH (2), LANDING GEAR DOWN

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

PROVIDES REDUNDANT MANUAL "ON" CONTROL FROM CONTROL BUS TO LATCHING RELAYS FOR LANDING GEAR DOWN CIRCUIT.
 IOA ACCEPTS THE MORE SEVERE NASA CRITICALITY WHICH IS DUE TO A MORE CONSERVATIVE INTERPRETATION OF REDUNDANCY GROUNDROLES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31115B
 NASA FMEA #: 05-6BA-2116-3

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31115
 ITEM: LANDING GEAR TOGGLE SWITCH, S13

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA DOES NOT CONCUR WITH NASA'S EVALUATION, FAILURE HAS NO EFFECT ON SUBSYSTEM. CB60 REMAINS "OFF" UNTIL NEEDED. HOWEVER, IOA ACCEPTS THE MORE SEVERE NASA CRITICALITY WHICH IS DUE TO A MORE CONSERVATIVE INTERPRETATION OF REDUNDANCY GROUND RULES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31117
 NASA FMEA #: 05-6BA-2117-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31117
 ITEM: PUSHBUTTON SWITCH, LDG GR ARM, 4PDT, ILLUMINATED

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

PROVIDES REDUNDANT MANUAL "ON" CONTROL FROM CONTROL BUS TO LATCHING RELAYS FOR LANDING GEAR ARM CIRCUIT. IOA DOES NOT CONCUR FULLY WITH NASA'S EVALUATION AND IOA RECOMMENDS: (1) CHANGING THE REDUNDANCY SCREENS, IT FAILS REDUNDANCY SCREEN B, AND LOWERING THE CRITICALITY TO 3/1R. HOWEVER, IOA ACCEPTS THE MORE SEVERE NASA CRITICALITY WHICH IS DUE TO A MORE CONSERVATIVE INTERPRETATION OF REDUNDANCY GROUND RULES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31125
 NASA FMEA #: 05-6BA-2302-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31125
 ITEM: GENERAL PURPOSE FUSE (5 AMP)

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA DOES NOT CONCUR FULLY WITH NASA'S EVALUATION AND IOA RECOMMENDS: CHANGING THE REDUNDANCY SCREENS SINCE IT FAILS REDUNDANCY SCREEN B, AND DOWNGRADING THE CRITICALITY TO 3/1R.

TRANSFERRED OUT OF LANDING/DECEL. IOA ACCEPTS THE MORE SEVERE NASA CRITICALITY WHICH IS DUE TO A MORE CONSERVATIVE INTERPRETATION OF REDUNDANCY GROUND RULES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31137
 NASA FMEA #: 05-6BA-2303-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31137
 ITEM: GENERAL PURPOSE FUSE (2), 5 AMP

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA DOES NOT CONCUR FULLY WITH NASA'S EVALUATION OF FMEA 2303-1 AND IOA RECOMMENDS CHANGING THE REDUNDANCY SCREEN B TO CONFORM TO NSTS 22206.
 FURTHER ANALYSIS INDICATES DOWNLIST PARAMETERS ARE AVAILABLE TO DETERMINE STATUS OF THIS STRING, THUS INDICATING FUSE IS FUNCTIONING

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31145
 NASA FMEA #: 05-6BA-2406-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31145
 ITEM: HYBRID DRIVER CONTROLLER (TYPE 1)

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /3] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA DOES NOT CONCUR FULLY WITH NASA'S EVALUATION OF THE TYPE 1
 HDC, IOA RECOMMENDS: DOWNGRADING CRITICALITY TO 3/3 AND COMBINING
 FMEA'S 2406-1 AN 2406-2 TOGETHER TO CONFORM TO NSTS 22206.

IOA ACCEPTS THE MORE SEVERE NASA CRITICALITY WHICH IS DUE TO A
 MORE CONSERVATIVE INTERPRETATION OF REDUNDANCY GROUND RULES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31154
 NASA FMEA #: 05-6BA-2409-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31154
 ITEM: HYBRID DRIVER CONTROLLER (TYPE 3)

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA DOES NOT CONCUR WITH NASA'S EVALUATION OF THE TYPE 3 HDC'S.
 IOA RECOMMENDS ADDING THE FMEA TO THE CIL BECAUSE IT FAILS
 REDUNDANCY SCREEN B.
 FURTHER ANALYSIS INDICATES DOWNLIST PARAMETERS ARE AVAILABLE TO
 DETERMINE STATUS OF THIS FUNCTION.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31161
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31161
 ITEM: HYBRID DRIVER CONTROLLER (TYPE 1)

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA RECOMMENDS ADDING THE UNCOVERED TYPE 1 HDC TO NASA'S FMEA/CIL. THE HDC CONNECTS MAIN BUS DC POWER TO THE "WOW2" CIRCUITS WITHIN BRAKE/SKID CONTROL BOX A. MOVED TO NOSE WHEEL STEERING EPD&C.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31166
 NASA FMEA #: 05-6BA-200200-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31166
 ITEM: HYBRID DRIVER CONTROLLER (TYPE III)

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA INCORPORATED FMEA INTO OTHER FMEAS. SEE ASSESSMENT LDGDEC-31164.
 NASA HAS NOW GENERATED SEPARATE FMEAS AND THIS IS NOW COVERED BY 05-6BA-2410-2. NASA CONCURS WITH SCREEN B FAILING.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31168A
 NASA FMEA #: 05-6BA-2501-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31168
 ITEM: LATCHING RELAY (6), LDG GR 'ARM' CONTROL CIRCUITS

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE [X]

REMARKS:

FMEA 2501-2 HAS A NONCREDIBLE FAILURE MODE (SHORTS TO GROUND) AND IOA RECOMMENDS THAT THE FMEA AND ITS CIL BE DELETED. NASA INCORPORATED 2501-2 INTO 2501-1. NASA HAS DELETED FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31170A
 NASA FMEA #: 05-6BA-2502-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31170
 ITEM: LATCHING RELAY (6), LDG GR 'DOWN' CONTROL
 CIRCUITS

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE [X]

REMARKS:

IOA RECOMMENDS THAT FMEA 2502-2 AND ITS CIL BE DELETED, BECAUSE IT HAS A NONCREDIBLE FAILURE MODE: SHORTS TO GROUND. NASA INCORPORATED 2502-2 INTO 2502-1.
 NASA HAS DELETED FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31183
 NASA FMEA #: 05-6BA-2578-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: EPD&C
 MDAC ID: 31183
 ITEM: DIODE, 12 AMP

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA RECOMMENDS ADDING THE ISOLATION DIODE TO NASA'S CIL. THE DIODE ISOLATES THE K6 & K7 ARM RELAYS FROM THE K8 DOWN RELAYS; DIODE IS ALSO IN THE CIRCUIT SUPPLYING POWER TO THE LDG GEAR CONTROL VALVE AND THE LDG GEAR DUMP CONTROL VALVE. POSSIBLE LOSS OF CREW/VEHICLE BECAUSE OF LOSS OF POWER TO OPERATE THESE VALVES IF THE DIODE FAILS OPEN.

FURTHER ANALYSIS INDICATES DOWNLINK PARAMETERS ARE AVAILABLE TO DETERMINE STATUS OF THIS STRING, THUS INDICATING IF DIODE FAILS OPEN, PASSING THE SCREEN. NASA UPGRADED THIS FAILURE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31205
 NASA FMEA #: 05-6BB-2241-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31205
 ITEM: GENERAL PURPOSE FUSE (8), 2 AMP

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA DOES NOT CONCUR FULLY WITH NASA'S EVALUATION OF THE GENERAL PURPOSE FUSES. IOA RECOMMENDS: CHANGING THE REDUNDANCY SCREENS SINCE IT FAILS REDUNDANCY SCREEN B, AND DOWNGRADING FMEA TO A 3/1R. HOWEVER, IOA ACCEPTS THE MORE SEVERE NASA CRITICALITY WHICH IS DUE TO A MORE CONSERVATIVE INTERPRETATION OF REDUNDANCY GROUND RULES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31210
 NASA FMEA #: 05-6BB-2249-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31210
 ITEM: CURRENT LIMITING RESISTOR (4), 1.21K, 2W

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA DOES NOT CONCUR FULLY WITH NASA'S EVALUATION OF THE RPC CONTROL CIRCUIT CURRENT LIMITING RESISTORS. IOA RECOMMENDS (1) CHANGING THE REDUNDANCY SCREENS (2) ADDING FMEA 2249-1 TO THE CIL SINCE IT FAILS REDUNDANCY SCREEN B. FURTHER ANALYSIS INDICATES DOWNLIST PARAMETERS ARE AVAILABLE TO DETERMINE STATUS OF STRING, THUS INDICATING THAT RESISTOR MUST BE FUNCTIONING.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31213A
 NASA FMEA #: 05-6BB-2096-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31213
 ITEM: GENERAL PURPOSE RELAY, NONLATCHING (2)

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA RECOMMENDS THAT FMEA 2096-2 BE DELETED, BECAUSE IT IS A NON-CREDIBLE FAILURE MODE (SHORTS TO GROUND) FOR THE NONLATCHING RELAYS. NASA INCORPORATED FMEA 2096-2 INTO 2096-3.
 THIS FMEA DELETED.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31221
 NASA FMEA #: 05-6BB-2107-3

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31221
 ITEM: TOGGLE SWITCH, DPST

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /3] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA DOES NOT CONCUR WITH NASA'S EVALUATION AND RECOMMENDS DOWN-GRADING FMEA 2107-3 TO CRITICALITY 3/3.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/23/87
 ASSESSMENT ID: LDGDEC-31225
 NASA FMEA #: 05-6BB-2106-3

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: EPD&C
 MDAC ID: 31225
 ITEM: TOGGLE SWITCH, DPST

LEAD ANALYST: G. BEAIRD

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

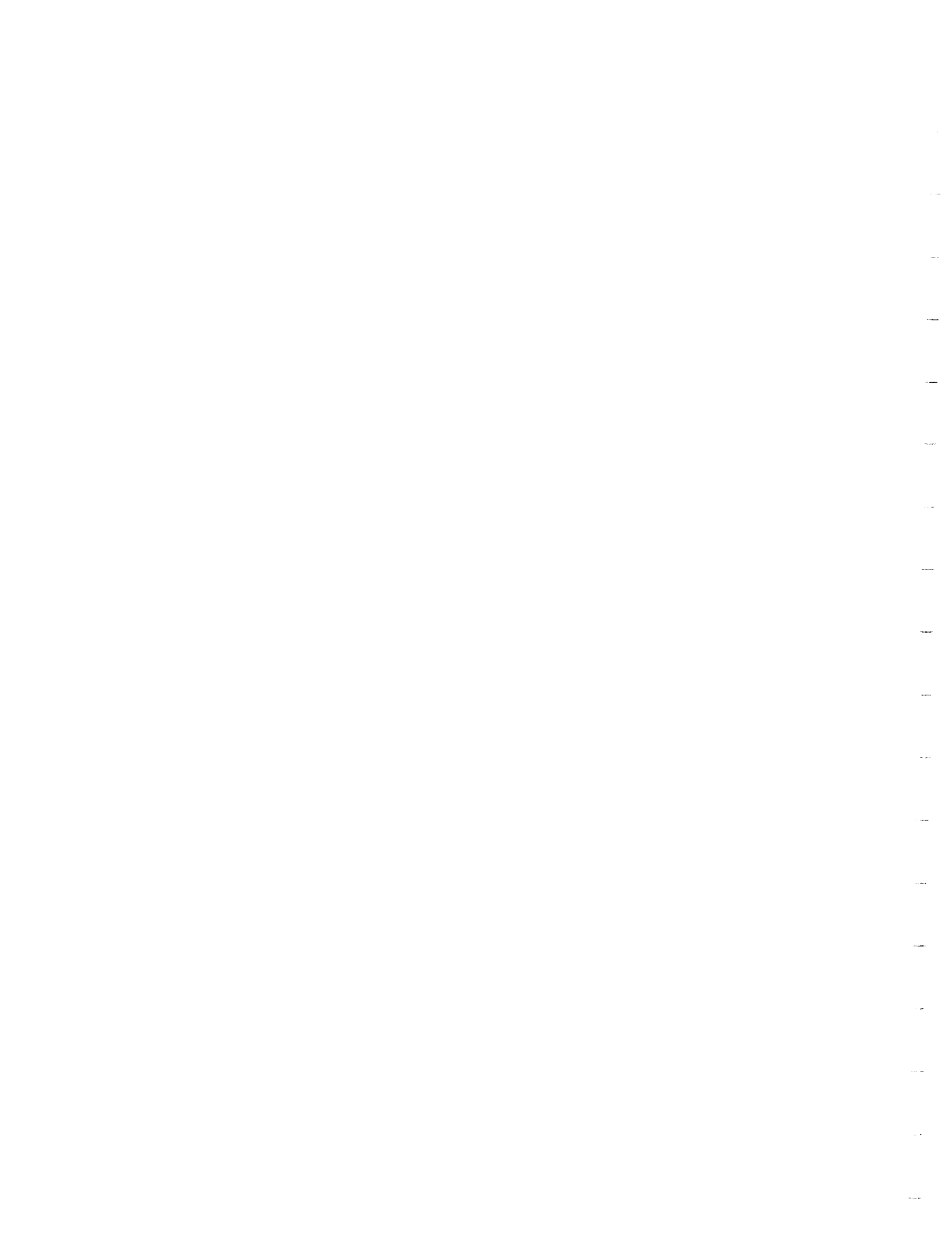
[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA DOES NOT CONCUR WITH NASA'S EVALUATION OF THE "MAIN C" TOGGLE SWITCH AND IOA RECOMMENDS CHANGING THE CRITICALITY TO 3/3. NASA CRITICALITY IS NOW 3/3.



SECTION C.2
PURGE, VENT AND DRAIN SUBSYSTEM

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
 ASSESSMENT ID: PV&D-9035A
 NASA FMEA #: 01-5-332404-6

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: PV&D
 MDAC ID: 9035
 ITEM: DESICCANT/FILTER OUTER CAVITY

LEAD ANALYST: P. BYNUM

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA CONCURS WITH NASA CRITICALITY, BASED ON DISCUSSION WITH SUBSYSTEM MANAGER (J. JANNEY/ES3) ON 3/31/88. FORWARD/MID WINDOWS DO NOT EXCEED DESIGN MARGINS FOR THIS FAILURE MODE, ACCORDING TO ROCKWELL INT. ANALYSIS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
 ASSESSMENT ID: PV&D-9036
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: PV&D
 MDAC ID: 9036
 ITEM: TUBING

LEAD ANALYST: P. BYNUM

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

A PV&D FMEA/CIL WAS NOT FOUND FOR THE FAILURE MODE, WCCS OUTER TUBING CLOGS. TUBING CLOGS WOULD DEGRADE WCCS DEPRESSURIZATION AND REPRESSURIZATION CAPABILITY WITH POSSIBLE THERMAL PANE RUPTURE.
 IOA CONCURS WITH NASA THAT THIS FAILURE MODE IS NOT CREDIBLE, EXCLUDING HUMAN ERRORS DURING REFURBISHMENT, AS DISCUSSED WITH NASA SUBSYSTEM MANAGER (J. JANNEY/ES3) ON 3/31/88 AND 4/4/88. PORTS ARE PROTECTED BY DEBRIS SCREENS. LINE IS CHECKED FOR FREE FLOW DURING VEHICLE TURNAROUND.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/07/87
 ASSESSMENT ID: PV&D-9037A
 NASA FMEA #: 01-5-332406-5

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: PV&D
 MDAC ID: 9037
 ITEM: TUBING

LEAD ANALYST: P. BYNUM

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA CONCURS WITH NASA CRITICALITY, BASED ON DISCUSSION WITH SUBSYSTEM MANAGER (J. JANNEY/ES3) ON 3/31/88. FORWARD/MID WINDOWS DO NOT EXCEED DESIGN MARGINS FOR THIS FAILURE MODE, ACCORDING TO ROCKWELL INT. ANALYSIS.

SECTION C.3
PYROTECHNICS SUBSYSTEM

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: PYRO-4702
 NASA FMEA #: 02-4-R103-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: PYROTECHNICS
 MDAC ID: 4702
 ITEM: GUILLOTINE ASSY, PYROTECHNIC

LEAD ANALYST: W. W. ROBINSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[P]	[F]	[P]	[X] *
IOA	[2 / 2]	[NA]	[NA]	[NA]	[X]
COMPARE	[/]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FMEA/CIL HAS BEEN DELETED BY NASA. IOA CONCURS WITH DELETION.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: PYRO-4703
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: PYROTECHNICS
 MDAC ID: 4703
 ITEM: PRESSURE CARTRIDGE (2)

LEAD ANALYST: W. W. ROBINSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 1R]	[NA]	[NA]	[NA]	[X]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 NEW NASA FMEA # P2-4H-R105-1 HAS BEEN GENERATED FOR THIS
 ASSESSMENT, CRITICALITY 2/1R NNP. IOA CONCURS WITH THIS
 CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: PYRO-4704
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: PYROTECHNICS
 MDAC ID: 4704
 ITEM: PRESSURE CARTRIDGE (2)

LEAD ANALYST: W. W. ROBINSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 2]	[NA]	[NA]	[NA]	[X]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

RECOMMEND THAT CRITICALITY BE UPGRADED.
 NEW NASA FMEA # P2-4H-R106-1 HAS BEEN GENERATED FOR THIS
 ASSESSMENT, CRITICALITY 3/1R NNP. IOA CONCURS WITH THIS
 CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: PYRO-4706
 NASA FMEA #: 02-4-R104-2

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: PYROTECHNICS
 MDAC ID: 4706
 ITEM: RELEASE NUT

LEAD ANALYST: W. W. ROBINSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[P]	[F]	[P]	[X] *
IOA	[1 / 1]	[NA]	[NA]	[NA]	[X]
COMPARE	[/]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 THIS FMEA/CIL HAS BEEN DELETED BY NASA. IOA CONCURS WITH DELETION.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: PYRO-4707
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: PYROTECHNICS
 MDAC ID: 4707
 ITEM: PRESSURE CARTRIDGE (2)

LEAD ANALYST: W. W. ROBINSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[NA]	[NA]	[NA]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NEW NASA FMEA # P2-4H-R105-1 HAS BEEN GENERATED FOR THIS ASSESSMENT, CRITICALITY 2/1R NNP. IOA CONCURS WITH THIS CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: PYRO-4708
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: PYROTECHNICS
 MDAC ID: 4708
 ITEM: PRESSURE CARTRIDGE (2)

LEAD ANALYST: W. W. ROBINSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[NA]	[NA]	[NA]	[X]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NEW NASA FMEA # P2-4H-R107-1 HAS BEEN GENERATED FOR THIS
 ASSESSMENT, CRITICALITY 1/1 NNN. IOA CONCURS WITH THIS
 CRITICALITY.



SECTION C.4

ACTIVE THERMAL CONTROL SYSTEM
AND LIFE SUPPORT SUBSYSTEM

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1100
 NASA FMEA #: 06-2-1101-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1100
 ITEM: H2 SEPARATOR (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE CAPABILITY TO REMOVE H2 FROM THE WATER IS LOST, AND THERE IS NO OTHER WAY TO PROVIDE FOR THIS LOSS. THE PRESENCE OF H2 IN THE WATER MAY CAUSE PROBLEMS WITH FES AND DUMP OPERATIONS, AND CREATE CREW ILLNESS. THIS MAY HAVE POTENTIAL MISSION IMPACT SPECIALLY FOR THE EMU/EVA MISSION - RECHARGING THE EMU WATER TANKS WITH THE H2/H2O MIXTURE IS HAZARDOUS AND SHOULD NOT BE DONE. ALTERNATE WATER LINE PLUS FCP RELIEF LINE ARE AVAILABLE TO EXPEL WATER. LOSS OF ALL REDUNDANCIES WITH THIS FAILURE WILL DEAD-HEAD FUEL CELLS, THUS POTENTIAL LOSS OF LIFE/VEHICLE. WITHDREW ISSUE.

H2 SEPARATOR PROBLEMS ON PREVIOUS MISSIONS (H2 IN SUPPLY H2O) WERE CONCERNS BUT BY PROCEDURAL MANAGEMENT THE MISSIONS WERE NOT TERMINATED. MAJOR PROBLEM (WORST CASE) H2O FLOODING THE FUEL CELL LIST CRIT REFLECTING HARDWARE CRITICALITY OF 3.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1100A
 NASA FMEA #: 06-2-1132-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1100
 ITEM: H2 SEPARATOR (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE CAPABILITY TO REMOVE H2 FROM THE WATER IS LOST, AND THERE IS NO OTHER WAY TO PROVIDE FOR THIS LOSS. THE PRESENCE OF H2 IN THE WATER MAY CAUSE PROBLEMS WITH FES AND DUMP OPERATIONS, AND CREATE CREW ILLNESS. THIS MAY HAVE POTENTIAL MISSION IMPACT SPECIALLY FOR THE EMU/EVA MISSION - RECHARGING THE EMU WATER TANKS WITH THE H2/H2O MIXTURE IS HAZARDOUS AND SHOULD NOT BE DONE. ALTERNATE WATER LINE PLUS FCP RELIEF LINE ARE AVAILABLE TO EXPEL WATER. LOSS OF ALL REDUNDANCIES WITH THIS FAILURE WILL DEAD-HEAD FUEL CELLS, THUS POTENTIAL LOSS OF LIFE/VEHICLE. THIS FMEA WAS CONSIDERED SAME AS 06-2-1101-1 FOR THE FAILURE MODE STUDIED, AND MAY THEREFOR BE COMBINED. WITHDRAW ISSUE. H2 SEPARATOR PROBLEMS ON PREVIOUS MISSIONS (H2 IN SUPPLY H2O) WERE CONCERNS BUT BY PROCEDURAL MANAGEMENT THE MISSIONS WERE NOT TERMINATED. MAJOR PROBLEM (WORST CASE) IS H2O FLOODING CELL LIST CRIT REFLECTING HARDWARE CRITICALITY OF 3.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1101
 NASA FMEA #: 06-2-1101-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1101
 ITEM: H2 SEPARATORS (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[1 /1] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA DOES NOT SEE HOW THE FAILURE OF THIS ITEM WILL HAVE ANY EFFECT ON THE OPERATION OF THE RADIATORS OR AMMONIA BOILER IN ORDER TO LOOSE TOTAL COOLING CAPABILITY. LOSS OF WATER TO REPLENISH THE TANKS, WILL FORCE MISSION TO BE SHORTED (FLIGHT RULE 9-24). SINCE ADDITIONAL WATER WILL NOT BE AVAILABLE FOR ON-ORBIT FES USE AND CREW REQUIREMENT. FUEL CELLS WILL NOT BE DEAD-HEADED SINCE THIS FAILURE WILL ALWAYS RELIEVE THE WATER OUT.

UPDATE TO NEW CRITICALITY.

BASED UPON DISCUSSIONS BETWEEN IOA PERSONNEL AND THE NASA SUBSYSTEM MANAGER A NEW CRITICALITY WAS AGREED UPON. THE CRITICALITY IS DERIVED UPON A SCENERIO WHERE H2O LEAKAGE TO THE VACUUM VENT DUCT CAN CAUSE UNCONTROLABLE BUILDUP OF ICE AT THE OUTLET PORT WHICH CAN SEVERLY DAMAGE VEHICLE STRUCTURE DURING ENTRY. EVEN IF THE FORMATION WERE FREED FROM THE VEHICLE VIA RMS OR EVA THE BUILDUP COULD NOT BE CONTROLLED WHILE PREPARING FOR ENTRY SINCE THE FUEL CELLS MUST CONTINUE TO OPERATE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1102
 NASA FMEA #: 06-2-1101-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1102
 ITEM: H2 SEPARATORS (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA ASSESSMENT IS BASED ON ASSUMPTION THAT: - WATER WILL FLOW THROUGH TO THE TANKS; - LOSS OF ONE SEPARATOR IS SIGNIFICANT. THE BACKUP SEPARATOR IS NOT ADEQUATE TO REMOVE ALL OF THE HYDROGEN (WORST CASE). THE INABILITY TO REMOVE H2 (WITH WATER FLOWING) WILL HAVE POTENTIAL MISSION IMPACT AS EXPLAINED IN MDAC-1100.

WITHDRAW ISSUES. LIST CRITICALITY REFLECTING POSSIBLE LOSS OF CREW/VEHICLE.

THE GREATEST CONCERN IS H2 IN EMU H2O. FIRST FAILURE MEANS THE H2 CONCENTRATION WILL INCREASE. SECOND FAILURE (2ND SEPARATOR) MEANS FURTHER PROBLEMS. IF WATER MANAGEMENT PROCEDURALLY ALLOWS H2 INTO THE EMU SOURCE TANK C, PROBLEMS CAN BE EXPECTED AND LOSS OF CREWMAN IS POSSIBLE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1105
 NASA FMEA #: 06-2-1132-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1105
 ITEM: MICROBIAL FILTER (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

SEE MDAC-1233. THIS FMEA COVERS SEVERAL ITEMS AS LINES AND FITTINGS. INCORPORATE MDAC IOA CRITICALITY BASED UPON DISCUSSIONS BETWEEN IOA PERSONNEL AND THE NASA SUBSYSTEM MANAGER THE IOA CRITICALITY WAS DETERMINED TO BE CORRECT. A LEAK IN THE INLET SIDE OF THE SUPPLY H2O SYSTEM RESULTS IN FREE H2O IN THE CABIN. THE DEPLETION OF FES WATER WOULD NOT BE A RESULT OF THE DESIGN BUT POOR WATER MANAGEMENT DECISIONS. FREE WATER IN THE CABIN SHOULD DICTATE MISSION TERMINATION.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1106
 NASA FMEA #: 06-2-1132-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1106
 ITEM: MICROBIAL FILTER QUICK DISCONNECT (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

SEE MDAC-1233. THIS FMEA COVERS SEVERAL ITEMS AS LINES AND FITTINGS.
 INCORPORATE MDAC IOA CRITICALITY BASED UPON DISCUSSIONS BETWEEN IOA PERSONNEL AND THE NASA SUBSYSTEM MANAGER THE IOA CRITICALITY WAS DETERMINED TO BE CORRECT. A LEAK IN THE INLET SIDE OF THE SUPPLY H2O SYSTEM RESULTS IN FREE H2O IN THE CABIN. THE DEPLETION OF FES WATER WOULD NOT BE A RESULT OF THE DESIGN BUT POOR WATER MANAGEMENT DECISIONS. FREE WATER IN THE CABIN SHOULD DICTATE MISSION TERMINATION.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1110
 NASA FMEA #: 06-2-1132-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1110
 ITEM: TANKS INLET ISOLATION VALVE (4)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

SEE MDAC-1233. THIS FMEA COVERS SEVERAL ITEMS AS LINES AND FITTINGS.
 INCORPORATE MDAC IOA CRITICALITY
 BASED UPON DISCUSSIONS BETWEEN IOA PERSONNEL AND THE NASA
 SUBSYSTEM MANAGER THE IOA CRITICALITY WAS DETERMINED TO BE
 CORRECT. A LEAK IN THE INLET SIDE OF THE SUPPLY H2O SYSTEM
 RESULTS IN FREE H2O IN THE CABIN. THE DEPLETION OF FES WATER
 WOULD NOT BE A RESULT OF THE DESIGN BUT POOR WATER MANAGEMENT
 DECISIONS. FREE WATER IN THE CABIN SHOULD DICTATE MISSION
 TERMINATION.

C 2

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1113
 NASA FMEA #: 06-2-1165-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1113
 ITEM: TANKS OUTLET ISOLATION VALVE (4)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 SEE MDAC-1235. THIS FMEA COVERS SEVERAL ITEMS AS LINES AND FITTINGS.
 WITHDRAW ISSUE. 1R IS THE MOST CRITICAL FAILURE.
 LEAKS IN THE OUTLET SIDE OF THE SUPPLY H2O SYSTEM (i.e. FES INLET) CAN WITH A SECOND FAILURE CAUSE LOSS OF THE FES WHICH LEAVES NO REDUNDANCY FOR ENTRY COOLING, SINCE ONLY THE ABS AND RADIATORS ARE THEN AVAILABLE. THE CROSSOVER VALVE PROVIDES ISOLATION SUCH THAT TWO FAILURES ARE REQUIRED TO LOOSE THE FES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1135
 NASA FMEA #: 06-2-1123-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1135
 ITEM: RELIEF VALVE, 1.5 PSID (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

LOSS OF LIKE AND UNLIKE REDUNDANCIES (FCP WATER LINES) WITH THIS FAILURE WILL STILL PROVIDE TANK A ULLAGE TO MANAGE THE WATER. MISSION TERMINATION IS EMINENT, RETURN ON TANKS C AND D, OR JUST TANK A. ALTERNATE FCP LINE WILL NOT PROVIDE HYDROGEN REMOVAL. IOA CONSIDERED BOTH RELIEF VALVES IN ONE ANALYSIS-SEE FMEA 06-2-1141 (LS-1135A). WITHDRAW ISSUE. LIST CRITICALITY REFLECTING DANGER TO CREW/VEHCILE. THE NASA ANALYSIS CONSIDERS THE FAILURE OF THE CAPABILITY TO REMOVE H2O FROM THE FUEL CELLS WHICH REQUIRES FOUR FAILURES BEFORE THE FUEL CELLS FLOOD. THIS FAILURE SHOULD HAVE MISSION EFFECTS BEFORE THE CREW/VEHICLE LOSS EFFECTS CAN OCCUR. IN THE STRICTEST SENSE, THE FAILURE SHOULD BE A 2R, BUT THE NASA CONSERVATIVE APPROACH IS UNDERSTOOD.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1135A
 NASA FMEA #: 06-2-1141-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1135
 ITEM: RELIEF VALVE, 1.5 PSID (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

LOSS OF LIKE AND UNLIKE REDUNDANCIES (FCP WATER LINES) WITH THIS FAILURE WILL STILL PROVIDE TANK A ULLAGE TO MANAGE THE WATER. MISSION TERMINATION IS EMINENT, RETURN ON TANKS C AND D, OR JUST TANK A. ALTERNATE FCP LINE WILL NOT PROVIDE HYDROGEN REMOVAL. IOA CONSIDERED BOTH RELIEF VALVES IN ONE ANALYSIS-SEE FMEA 06-2-1123-1 (LS-1135). WITHDRAW ISSUE. LIST CRITICALITY REFLECTING DANGER TO CREW/VEHCILE. THE NASA ANALYSIS CONSIDERS THE FAILURE OF THE CAPABILITY TO REMOVE H2O FROM THE FUEL CELLS WHICH REQUIRES FOUR FAILURES BEFORE THE FUEL CELLS FLOOD. THIS FAILURE SHOULD HAVE MISSION EFFECTS BEFORE THE CREW/VEHCILE LOSS EFFECTS CAN OCCUR. IN THE STRICTEST SENSE, THE FAILURE SHOULD BE A 2R, BUT THE NASA CONSERVATIVE APPROACH IS UNDERSTOOD.

REPORT DATE 29 JUNE 1988 C.4-11

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1135B
 NASA FMEA #: 06-2-1156-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1135
 ITEM: RELIEF VALVE, 1.5 PSID (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

LOSS OF LIKE AND UNLIKE REDUNDANCIES (FCP WATER LINES) WITH THIS FAILURE WILL STILL PROVIDE TANK A ULLAGE TO MANAGE THE WATER. MISSION TERMINATION IS EMINENT, RETURN ON TANKS C AND D, OR JUST TANK A. ALTERNATE FCP LINE WILL NOT PROVIDE HYDROGEN REMOVAL. THE FMEA COVERS SEVERAL ITEMS AS ONE LINES & FITTINGS ANALYSIS.

WITHDRAW ISSUE. LIST CRITICALITY REFLECTING DANGER TO CREW/VEHICLE.

THE NASA ANALYSIS CONSIDERS THE FAILURE OF THE CAPABILITY TO REMOVE H2O FROM THE FUEL CELLS WHICH REQUIRES FOUR FAILURES BEFORE THE FUEL CELLS FLOOD. THIS FAILURE SHOULD HAVE MISSION EFFECTS BEFORE THE CREW/VEHICLE LOSS EFFECTS CAN OCCUR. IN THE STRICTEST SENSE, THE FAILURE SHOULD BE A 2R, BUT THE NASA CONSERVATIVE APPROACH IS UNDERSTOOD.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1136
 NASA FMEA #: 06-2-1123-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1136
 ITEM: RELIEF VALVE, 1.5 PSID (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA DOES NOT AGREE WITH THE STATEMENT THAT THE FUEL CELLS WILL BE DEAD HEADED AFTER R. VALVE FAILURE. CHECK VALVES IN THE FCP WATER LINE WILL PREVENT BACK FLOW TO THE CELLS. FES OPERATION WILL BE MAINTAINED BY COMBINED WATER IN TANKS A AND B DRAWING APPROXIMATELY 80 LB/HR OF WATER. FAILURE OF THE RELIEF VALVES IN THE FCP LINE ARE CONSIDERED UNASSOCIATED WITH THE FAILURE OF 1.5 PSID VALVE. NO PROBLEM IS ANTICIPATED POST MECO. FUNCTIONAL LOSS (NO C.V.) WILL RESULT IN FLOW OF WATER THRU THE FCP VENT LINE FOR 8-10 MINUTES DURING PRE-MECO. IOA CONSIDERED BOTH VALVES IN ONE ANALYSIS-SEE FMEA 06-2-1141-2 (LS-1136A). WITHDRAW ISSUE. LIST CRITICALITY REFLECTING HARDWARE CRITICALITY OF 2. EVEN THOUGH THE CHECK VALVES WILL KEEP BACKFLOW FROM ENTERING THE FUEL CELLS THE HEAD PRESSURE CREATED FROM THE ASCENT ACCELERATIONS CAN KEEP H2O FROM EXITING THE FUEL CELL BY THE NORMAL H2O LINES. IF THIS OCCURS AND THE FUEL CELL RELIEF IS PLUGGED THE 2/1R SITUATION EXISTS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1137
 NASA FMEA #: 06-2-1132-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1137
 ITEM: RELIEF VALVE, 1.5 PSID (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

SEE MDAC-1233. THE FMEA CONSIDERED SEVERAL ITEMS IN ONE LINES AND FITTINGS ANALYSIS.
 INCORPORATE MDAC IOA CRITICALITY
 BASED UPON DISCUSSIONS BETWEEN IOA PERSONNEL AND THE NASA SUBSYSTEM MANAGER THE IOA CRITICALITY WAS DETERMINED TO BE CORRECT. A LEAK IN THE INLET SIDE OF THE SUPPLY H2O SYSTEM RESULTS IN FREE H2O IN THE CABIN. THE DEPLETION OF FES WATER WOULD NOT BE A RESULT OF THE DESIGN BUT POOR WATER MANAGEMENT DECISIONS. FREE WATER IN THE CABIN SHOULD DICTATE MISSION TERMINATION.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1140
 NASA FMEA #: 06-2-1130-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1140
 ITEM: QD, GSE FILL/DRAIN (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA CONSIDERED LOSS OF REDUNDANCIES TO BE LOSS OF FIRST O-RING (QD) AND SECOND O-RING (CAP) WITH NO OTHER REDUNDANCIES. THE MOST SEVERE EFFECT IS TO LOSE CAPABILITY TO REPLENISH SUPPLY TANKS FOR CONTINUOUS FES USAGE. OPERATIONALLY, TANKS C AND D ARE ISOLATED FOR CONTINGENCY PURPOSES OR UNTIL NOMINAL DEORBIT. THEREFORE, FES IS ONLY PARTIALLY LOST DURING ON-ORBIT WHICH MAY IMPACT MISSION (P/L REQUIREMENT, MISSION REQUIREMENT). FAILURE OF RADIATOR OR ABS ARE NON-REDUNDANT ITEMS AND UNASSOCIATED WITH THE QD/CAP. IOA CONSIDERED QD & CAP SEPARATELY, BUT AGREES TO STUDY THEM AS ONE UNIT. WITHDRAW ISSUE. THE ABOVE ASSESSMENT IS RIGHT. FURTHER RECONFIGURATIONS AND PROPER MANAGEMENT WILL PRECLUDE FES PROBLEMS; BUT FORMATION OF ICE EXTERIOR TO THE PORTS IS A MAJOR THREAT DURING THE ENTRY PHASE. CRITICALITY SHOULD REFLECT POSSIBLE LOSS OF CREW/VEHICLE BUT ONLY AFTER 3 FAILURES IS THE DANGER OF ICE DAMAGE TO VEHICLE POSSIBLE. QD & CAP MUST LEAK & ICE MUST EXIT THE AREA WHERE THE QD IS LOCATED. MOST LIKELY RESULT IS THAT BUILD UP WILL STOP LEAK WITH NO ILL EFFECTS.

REPORT DATE 30 JUNE 1988 C.4-15

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1140A
 NASA FMEA #: 06-2-1131-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1140
 ITEM: QD, GSE FILL/DRAIN (2)

LEAD ANALYST: M.J. SAIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA CONSIDERED LOSS OF REDUNDANCIES TO BE LOSS OF FIRST O-RING (QD) AND SECOND O-RING (CAP) WITH NO OTHER REDUNDANCIES. THE MOST SEVERE EFFECT IS TO LOSE CAPABILITY TO REPLENISH SUPPLY TANKS FOR CONTINUOUS FES USAGE. OPERATIONALLY, TANKS C AND D ARE ISOLATED FOR CONTINGENCY PURPOSES OR UNTIL NOMINAL DEORBIT. THEREFORE, FES IS ONLY PARTIALLY LOST DURING ON-ORBIT WHICH MAY IMPACT MISSION (P/L REQUIREMENT, MISSION REQUIREMENT). FAILURE OF RADIATOR OR ABS ARE NON-REDUNDANT ITEMS AND UNASSOCIATED WITH THE QD/CAP. IOA CONSIDERED QD & CAP SEPARATELY, BUT AGREES TO STUDY THEM AS ONE UNIT. WITHDRAW ISSUE. THE ABOVE ASSESSMENT IS RIGHT. FURTHER RECONFIGURATIONS AND PROPER MANAGEMENT WILL PRECLUDE FES PROBLEMS; BUT FORMATION OF ICE EXTERIOR TO THE PORTS IS A MAJOR THREAT DURING THE ENTRY PHASE. CRITICALITY SHOULD REFLECT POSSIBLE LOSS OF CREW/VEHICLE BUT ONLY AFTER 3 FAILURES IS THE DANGER OF ICE DAMAGE TO VEHICLE POSSIBLE. QD & CAP MUST LEAK & ICE MUST EXIT THE AREA WHERE THE QD IS LOCATED. MOST LIKELY RESULT IS THAT BUILD UP WILL STOP LEAK WITH NO ILL EFFECTS.

REPORT DATE 30 JUNE 1988 C.4-16

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1142
 NASA FMEA #: 06-2-1130-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1142
 ITEM: QD, GSE FILL/DRAIN (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[/N]	[N]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA CONSIDERED LOSS OF REDUNDANCIES TO BE LOSS OF FIRST O-RING (QD) AND SECOND O-RING (CAP) WITH NO OTHER REDUNDANCIES. THE MOST SEVERE EFFECT IS TO LOSE CAPABILITY TO REPLENISH SUPPLY TANKS FOR CONTINUOUS FES USAGE. OPERATIONALLY, TANKS C AND D ARE ISOLATED FOR CONTINGENCY PURPOSES OR UNTIL NOMINAL DEORBIT. THEREFORE, FES IS ONLY PARTIALLY LOST DURING ON-ORBIT WHICH MAY IMPACT MISSION (P/L REQUIREMENT, MISSION REQUIREMENT). FAILURE OF RADIATOR OR ABS ARE NON-REDUNDANT ITEMS AND UNASSOCIATED WITH THE QD/CAP. IOA CONSIDERED QD & CAP SEPARATELY, BUT AGREES TO STUDY THEM AS ONE UNIT. WITHDRAW ISSUE. THE ABOVE ASSESSMENT IS RIGHT. FURTHER RECONFIGURATIONS AND PROPER MANAGEMENT WILL PRECLUDE FES PROBLEMS; BUT FORMATION OF ICE EXTERIOR TO THE PORTS IS A MAJOR THREAT DURING THE ENTRY PHASE. CRITICALITY SHOULD REFLECT POSSIBLE LOSS OF CREW/VEHICLE BUT ONLY AFTER 3 FAILURES IS THE DANGER OF ICE DAMAGE TO VEHICLE POSSIBLE. QD & CAP MUST LEAK & ICE MUST EXIT THE AREA WHERE THE QD IS LOCATED. MOST LIKELY RESULT IS THAT BUILD UP WILL STOP LEAK WITH NO ILL EFFECTS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1142A
 NASA FMEA #: 06-2-1131-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1142
 ITEM: QD, GSE FILL/DRAIN (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[/N]	[N]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA CONSIDERED LOSS OF REDUNDANCIES TO BE LOSS OF FIRST O-RING (QD) AND SECOND O-RING (CAP) WITH NO OTHER REDUNDANCIES. THE MOST SEVERE EFFECT IS TO LOSE CAPABILITY TO REPLENISH SUPPLY TANKS FOR CONTINUOUS FES USAGE. OPERATIONALLY, TANKS C AND D ARE ISOLATED FOR CONTINGENCY PURPOSES OR UNTIL NOMINAL DEORBIT. THEREFORE, FES IS ONLY PARTIALLY LOST DURING ON-ORBIT WHICH MAY IMPACT MISSION (P/L REQUIREMENT, MISSION REQUIREMENT). FAILURE OF RADIATOR OR ABS ARE NON-REDUNDANT ITEMS AND UNASSOCIATED WITH THE QD/CAP. IOA CONSIDERED QD & CAP SEPARATELY, BUT AGREES TO STUDY THEM AS ONE UNIT. WITHDRAW ISSUE. THE ABOVE ASSESSMENT IS RIGHT. FURTHER RECONFIGURATIONS AND PROPER MANAGEMENT WILL PRECLUDE FES PROBLEMS; BUT FORMATION OF ICE EXTERIOR TO THE PORTS IS A MAJOR THREAT DURING THE ENTRY PHASE. CRITICALITY SHOULD REFLECT POSSIBLE LOSS OF CREW/VEHICLE BUT ONLY AFTER 3 FAILURES IS THE DANGER OF ICE DAMAGE TO VEHICLE POSSIBLE. QD & CAP MUST LEAK & ICE MUST EXIT THE AREA WHERE THE QD IS LOCATED. MOST LIKELY RESULT IS THAT BUILD UP WILL STOP LEAK WITH NO ILL EFFECTS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1144
 NASA FMEA #: 06-2-1130-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1144
 ITEM: CAP, GSE QD (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[/N]	[N]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA CONSIDERED LOSS OF REDUNDANCIES TO BE LOSS OF FIRST O-RING (QD) AND SECOND O-RING (CAP) WITH NO OTHER REDUNDANCIES. THE MOST SEVERE EFFECT IS TO LOSE CAPABILITY TO REPLENISH SUPPLY TANKS FOR CONTINUOUS FES USAGE. OPERATIONALLY, TANKS C AND D ARE ISOLATED FOR CONTINGENCY PURPOSES OR UNTIL NOMINAL DEORBIT. THEREFORE, FES IS ONLY PARTIALLY LOST DURING ON-ORBIT WHICH MAY IMPACT MISSION (P/L REQUIREMENT, MISSION REQUIREMENT). FAILURE OF RADIATOR OR ABS ARE NON-REDUNDANT ITEMS AND UNASSOCIATED WITH THE QD/CAP. IOA CONSIDERED QD & CAP SEPARATELY, BUT AGREES TO STUDY THEM AS ONE UNIT. WITHDRAW ISSUE. THE ABOVE ASSESSMENT IS RIGHT. FURTHER RECONFIGURATIONS AND PROPER MANAGEMENT WILL PRECLUDE FES PROBLEMS; BUT FORMATION OF ICE EXTERIOR TO THE PORTS IS A MAJOR THREAT DURING THE ENTRY PHASE. CRITICALITY SHOULD REFLECT POSSIBLE LOSS OF CREW/VEHICLE BUT ONLY AFTER 3 FAILURES IS THE DANGER OF ICE DAMAGE TO VEHICLE POSSIBLE. QD & CAP MUST LEAK & ICE MUST EXIT THE AREA WHERE THE QD IS LOCATED. MOST LIKELY RESULT IS THAT BUILD UP WILL STOP LEAK WITH NO ILL EFFECTS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1144A
 NASA FMEA #: 06-2-1131-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1144
 ITEM: CAP, GSE QD (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[/N]	[N]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA CONSIDERED LOSS OF REDUNDANCIES TO BE LOSS OF FIRST O-RING (QD) AND SECOND O-RING (CAP) WITH NO OTHER REDUNDANCIES. THE MOST SEVERE EFFECT IS TO LOSE CAPABILITY TO REPLENISH SUPPLY TANKS FOR CONTINUOUS FES USAGE. OPERATIONALLY, TANKS C AND D ARE ISOLATED FOR CONTINGENCY PURPOSES OR UNTIL NOMINAL DEORBIT. THEREFORE, FES IS ONLY PARTIALLY LOST DURING ON-ORBIT WHICH MAY IMPACT MISSION (P/L REQUIREMENT, MISSION REQUIREMENT). FAILURE OF RADIATOR OR ABS ARE NON-REDUNDANT ITEMS AND UNASSOCIATED WITH THE QD/CAP. IOA CONSIDERED QD & CAP SEPARATELY, BUT AGREES TO STUDY THEM AS ONE UNIT.

WITHDRAW ISSUE. THE ABOVE ASSESSMENT IS RIGHT. FURTHER RECONFIGURATIONS AND PROPER MANAGEMENT WILL PRECLUDE FES PROBLEMS; BUT FORMATION OF ICE EXTERIOR TO THE PORTS IS A MAJOR THREAT DURING THE ENTRY PHASE. CRITICALITY SHOULD REFLECT POSSIBLE LOSS OF CREW/VEHICLE BUT ONLY AFTER 3 FAILURES IS THE DANGER OF ICE DAMAGE TO VEHICLE POSSIBLE. QD & CAP MUST LEAK & ICE MUST EXIT THE AREA WHERE THE QD IS LOCATED. MOST LIKELY RESULT IS THAT BUILD UP WILL STOP LEAK WITH NO ILL EFFECTS.

REPORT DATE 30 JUNE 1988 C.4-20

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1154
 NASA FMEA #: 06-2-1165-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1154
 ITEM: CROSSOVER VALVE (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE MDAC-1235 FOR REMARKS. THE FMEA CONSIDERED SEVERAL ITEMS IN ONE LINES AND FITTINGS ANALYSIS. WITHDRAW ISSUE. IR IS THE MOST CRITICAL FAILURE. LEAKS IN THE OUTLET SIDE OF THE SUPPLY H2O SYSTEM (i.e. FES INLET) CAN WITH A SECOND FAILURE CAUSE LOSS OF THE FES WHICH LEAVES NO REDUNDANCY FOR ENTRY COOLING SINCE ONLY THE ABS AND RADIATORS ARE THEN AVAILABLE. THE CROSSOVER VALVE PROVIDES ISOLATION SUCH THAT TWO FAILURES ARE REQUIRED TO LOOSE THE FES. THE VALVE CONSTRUCTION IS SUCH THAT TWO FAILURES WOULD HAVE TO TAKE PLACE TO GIVE A LEAK THAT AFFECTS BOTH SIDES OF OUTLET SYSTEM AND THUS CAUSE A FES LOSS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1167
 NASA FMEA #: 06-2-1165-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1167
 ITEM: ISOL VALVE, FES B LINE (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE MDAC-1235 FOR REMARKS. THE FMEA COVERED SEVERAL ITEMS INTO ONE ANALYSIS FOR LINES AND FITTINGS. WITHDRAW ISSUE. IR IS THE MOST CRITICAL FAILURE. LEAKS IN THE OUTLET SIDE OF THE SUPPLY H2O SYSTEM (i.e. FES INLET) CAN WITH A SECOND FAILURE CAUSE LOSS OF THE FES WHICH LEAVES NO REDUNDANCY FOR ENTRY COOLING, SINCE ONLY THE ABS AND RADIATORS ARE THEN AVAILABLE. THE CROSSOVER VALVE PROVIDES ISOLATION SUCH THAT TWO FAILURES ARE REQUIRED TO LOOSE THE FES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1183A
 NASA FMEA #: 05-6VD-2033-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1183
 ITEM: SWITCH, GALLEY VALVE (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R] [P] [NA] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

BASED ON VERY LIMITED FMEA-EPD&C DATA (ONLY A CRIT SUMMARY WAS AVAILABLE), NO DETAIL ASSESSMENT OF THIS WAS ATTEMPTED.
 UPDATE TO NEW CRITICALITY.
 BASED UPON DISCUSSIONS BETWEEN IOA PERSONNEL AND THE SUBSYSTEM MANAGER A NEW CRITICALITY WAS AGREED UPON. THE CRITICALITY IS DERIVED FROM THE INLET SIDE H2O SYSTEMS LEAKS RESULTING IN FREE H2O IN THE CABIN WHICH IS A 2/2 CRITICALITY. IN THE CASE OF THE GALLY THE LINE IF LEAKING CAN BE ISOLATED VIA A QUICK DISCONNECT WHICH IS CONSIDERED AS REDUNDANCY IN ISOLATING THE LEAK.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1184
 NASA FMEA #: 05-6VD-2033-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1184
 ITEM: SWITCH, GALLEY VALVE (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R] [P] [NA] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

BASED ON VERY LIMITED FMEA-EPD&C DATA (ONLY A CRIT SUMMARY WAS AVAILABLE), NO DETAIL ASSESSMENT OF THIS ITEM WAS ATTEMPTED. UPDATE TO NEW CRITICALITY.

BASED UPON DISCUSSIONS BETWEEN IOA PERSONNEL AND THE SUBSYSTEM MANAGER A NEW CRITICALITY WAS AGREED UPON. THE CRITICALITY IS DERIVED FROM THE INLET SIDE H2O SYSTEMS LEAKS RESULTING IN FREE H2O IN THE CABIN WHICH IS A 2/2 CRITICALITY. IN THE CASE OF THE GALLY THE LINE IF LEAKING CAN BE ISOLATED VIA A QUICK DISCONNECT WHICH IS CONSIDERED AS REDUNDANCY IN ISOLATING THE LEAK.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1189
 NASA FMEA #: 05-6VD-2005-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1189
 ITEM: CIRCUIT BREAKER, GALLEY VALVE (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /2R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

BASED ON VERY LIMITED FMEA-EPD&C DATA (ONLY A CRIT SUMMARY WAS AVAILABLE), NO DETAIL ASSESSMENT OF THIS ITEM WAS ATTEMPTED. UPDATE TO NEW CRITICALITY.

BASED UPON DISCUSSIONS BETWEEN IOA PERSONNEL AND THE SUBSYSTEM MANAGER A NEW CRITICALITY WAS AGREED UPON. THE CRITICALITY IS DERIVED FROM THE INLET SIDE H2O SYSTEMS LEAKS RESULTING IN FREE H2O IN THE CABIN WHICH IS A 2/2 CRITICALITY. IN THE CASE OF THE GALLY THE LINE IF LEAKING CAN BE ISOLATED VIA A QUICK DISCONNECT WHICH IS CONSIDERED AS REDUNDANCY IN ISOLATING THE LEAK.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1193
 NASA FMEA #: 06-2-1165-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1193
 ITEM: DUMP ISOL VALVE (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[F]	[X]
COMPARE	[N /]	[]	[]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

CONTINUOUS FLOW OF WATER INTO THE CREW MODULE OR OUTSIDE TO THE MIDBODY UNLESS THE LEAK IS STOPPED BY SHUTTING OFF THE TANKS A AND B OUTLET VALVES AND X-OVER VALVE. IN THIS CASE, THE USE OF A/L SUPPORT (EVA MISSION) AND TWO TANKS ARE LOST FROM THE WATER MANAGEMENT - MISSION IMPACT. NO REDUNDANCY EXISTS TO COMPENSATE FOR THE LOSS. ALSO, LOSS OF LIKE AND UNLIKE REDUNDANCIES (FESB, FCP RELIEF) WITH THIS FAILURE RESULTS IN CONTINUOUS FLOW OF WATER INTO CABIN - FCP OPERATING. THIS FMEA INCLUDES SEVERAL ITEMS INTO ONE ANALYSIS FOR LINES AND FITTINGS. WITHDRAW ISSUE. IR IS THE MOST CRITICAL FAILURE. LEAKS IN THE OUTLET SIDE OF THE SUPPLY H2O SYSTEM (i.e. FES INLET) CAN WITH A SECOND FAILURE CAUSE LOSS OF THE FES WHICH LEAVES NO REDUNDANCY FOR ENTRY COOLING, SINCE ONLY THE ABS AND RADIATORS ARE THEN AVAILABLE. THE CROSSOVER VALVE PROVIDES ISOLATION SUCH THAT TWO FAILURES ARE REQUIRED TO LOOSE THE FES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1210
 NASA FMEA #: 05-6VD-2028-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1210
 ITEM: SWITCH, DUMP VALVE (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

BASED ON VERY LIMITED FMEA-EPD&C DATA (ONLY A CRIT SUMMARY WAS AVAILABLE), NO DETAIL ASSESSMENT OF THIS ITEM WAS ATTEMPTED. WITHDRAW ISSUE.
 DUMP MAY BE CONTROLLED VIA DUMP ISOLATION VALVE AND THE CONTINGENCY COLLECTION DEVICE IS AVAILABLE FOR SUBSEQUENT WASTE WATER MANAGEMENT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1228
 NASA FMEA #: 06-2-1135-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1228
 ITEM: QD, CONTINGENCY CROSS-TIE (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA DID NOT KNOW OF THE CAP. BASED ON THE SAME RATIONING AS 06-2-1124-2, HYDROPHOBIC FILTER, FOR WHICH THE WATER WILL LEAK INTO THE CABIN, THIS SHOULD BE 3/2R. LOSS OF FUNCTION WITH NO CREW INTERVENTION WILL RESULT IN CONTINUOUS FLOW OF WATER (TANK B ONLY) INTO THE CABIN. ALSO, THE DUMP WITH X-TIE CAN STILL BE ACHIEVED.

WITHDRAW ISSUE. IR IS THE MOST CRITICAL FAILURE.

LEAKS IN THE OUTLET SIDE OF THE SUPPLY H2O SYSTEM (i.e. FES INLET) CAN WITH A SECOND FAILURE CAUSE LOSS OF THE FES WHICH LEAVES NO REDUNDANCY FOR ENTRY COOLING, SINCE ONLY THE ABS AND RADIATORS ARE THEN AVAILABLE. THE CROSSOVER VALVE PROVIDES ISOLATION SUCH THAT TWO FAILURES ARE REQUIRED TO LOOSE THE FES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1228A
 NASA FMEA #: 06-2-1162-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1228
 ITEM: QD, CONTINGENCY CROSS-TIE (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA DID NOT KNOW OF THE CAP. BASED ON THE SAME RATIONING AS 06-2-1124-2, HYDROPHOBIC FILTER, FOR WHICH THE WATER WILL LEAK INTO THE CABIN, THIS SHOULD BE 3/2R. LOSS OF FUNCTION WITH NO CREW INTERVENTION WILL RESULT IN CONTINUOUS FLOW OF WATER (TANK B ONLY) INTO THE CABIN. ALSO, THE DUMP WITH X-TIE CAN STILL BE ACHIEVED. THIS FMEA INCLUDES SEVERAL ITEMS INTO LINES AND FITTINGS ANALYSIS-SEE FMEA 06-2-1135-2 (LS-1228).
 WITHDRAW ISSUE.
 THIS ASSESSMENT WAS MISTAKENLY MADE BETWEEN THE CONTINGENCY CROSSTIE BETWEEN THE SUPPLY & WASTE H2O SYSTEMS AND THE FOUR-WAY CROSS-FITTING ON THE SUPPLY WATER INLET LINES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1233
 NASA FMEA #: 06-2-1132-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1233
 ITEM: LINES AND FITTINGS

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA DOES NOT AGREE WITH THE FMEA ABOUT THE FAILURES OF THE RADIATOR AND ABS. THESE ITEMS ARE NOT ASSOCIATED WITH THE ITEM BEING STUDIED. CONTINUOUS FLOW OF WATER INTO THE MID-BODY OR CREW MODULE - LEAK CANNOT BE ISOLATED WITHOUT SHUTTING DOWN THE FCP.

INCORPORATE MDAC IOA CRITICALITY BASED UPON DISCUSSIONS BETWEEN IOA PERSONNEL AND THE NASA SUBSYSTEM MANAGER THE IOA CRITICALITY WAS DETERMINED TO BE CORRECT. A LEAK IN THE INLET SIDE IF THE SUPPLY H2O SYSTEM RESULTS IN FREE H2O IN THE CABIN. THE DEPLETION OF FES WATER WOULD NOT BE A RESULT OF THE DESIGN BUT POOR WATER MANAGEMENT DECISIONS. FREE WATER IN THE CABIN SHOULD DICTATE MISSION TERMINATION.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1233A
 NASA FMEA #: 06-2-1162-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1233
 ITEM: LINES AND FITTINGS

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA DOES NOT AGREE WITH THE FMEA, ABOUT THE FAILURES OF THE RADIATOR AND ABS. THESE ITEMS ARE NOT ASSOCIATED WITH THE ITEM BEING STUDIED. CONTINUOUS FLOW OF WATER INTO THE MID-BODY OR CREW MODULE - LEAK CANNOT BE ISOLATED WITHOUT SHUTTING DOWN THE FCP.

INCORPORATE MDAC IOA CRITICALITY BASED UPON DISCUSSIONS BETWEEN IOA PERSONNEL AND THE NASA SUBSYSTEM MANAGER THE IOA CRITICALITY WAS DETERMINED TO BE CORRECT. A LEAK IN THE INLET SIDE IF THE SUPPLY H2O SYSTEM RESULTS IN FREE H2O IN THE CABIN. THE DEPLETION OF FES WATER WOULD NOT BE A RESULT OF THE DESIGN BUT POOR WATER MANAGEMENT DECISIONS. FREE WATER IN THE CABIN SHOULD DICTATE MISSION TERMINATION.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1234
 NASA FMEA #: 06-2-1156-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1234
 ITEM: LINES AND FITTINGS

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 1R]	[P]	[P]	[P]	[] *
IOA	[2 / 2]	[]	[]	[]	[X]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

FOR LEAKAGE BETWEEN THE A/B AND B/C RELIEF VALVES: 1) CONTINUOUS FLOW OF FCP (PRIME/ALTER) TO CREW CABIN - NO WAY TO ISOLATE LEAK WITHOUT SHUTTING DOWN THE FUEL CELLS, 2) TANKS C/D AVAILABLE FOR RETURN WITH EXISTING LEAK.
 FOR LEAKAGE DOWNSTREAM OF THE B/C RELIEF VALVE: - TANKS C AND D COULD BE ISOLATED, AND TANK B KEPT LOW IN ORDER TO ISOLATE THE LEAKAGE - LESS SEVERE THAN PREVIOUS CASE.
 WITHDRAW ISSUE. IR IS THE MOST CRITICAL FAILURE.
 LEAKS IN THE OUTLET SIDE OF THE SUPPLY H2O SYSTEM (i.e. FES INLET) CAN WITH A SECOND FAILURE CAUSE LOSS OF THE FES WHICH LEAVES NO REDUNDANCY FOR ENTRY COOLING, SINCE ONLY THE ABS AND RADIATORS ARE THEN AVAILABLE. THE CROSSOVER VALVE PROVIDES ISOLATION SUCH THAT TWO FAILURES ARE REQUIRED TO LOSE THE FES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
 ASSESSMENT ID: LS-1235
 NASA FMEA #: 06-2-1165-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 1235
 ITEM: LINES AND FITTINGS

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

LEAKAGE UPSTREAM OF THE X-OVER VALVE: - TANKS C/D TO BE SHUT DOWN IN ORDER TO STOP THE LEAK; - LOSS OF FES FEEDLINE B, AND TWO TANKS RESERVE; - TANKS A AND B AND FES FEEDLINE A AVAILABLE.
 LEAKAGE DOWNSTREAM OF THE X-OVER VALVE: - TANKS A AND B TO BE SHUTDOWN IN ORDER TO STOP THE LEAK; - LOSS OF FES FEEDLINE A, PRIMARY DUMP, X-TIE FUNCTION, AND A/L SUPPORT; - ONLY TWO TANKS AVAILABLE PLUS FES FEEDLINE B.
 WITHDRAW ISSUE. IR IS THE MOST CRITICAL FAILURE.
 LEAKS IN THE OUTLET SIDE OF THE SUPPLY H2O SYSTEM (i.e. FES INLET) CAN WITH A SECOND FAILURE CAUSE LOSS OF THE FES WHICH LEAVES NO REDUNDANCY FOR ENTRY COOLING, SINCE ONLY THE ABS AND RADIATORS ARE THEN AVAILABLE. THE CROSSOVER VALVE PROVIDES ISOLATION SUCH THAT TWO FAILURES ARE REQUIRED TO LOSE THE FES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/28/87
ASSESSMENT ID: LS-1235A
NASA FMEA #: 06-2-1164-2

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: LIFE SUPPORT
MDAC ID: 1235
ITEM: LINES AND FITTINGS

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

LEAKAGE UPSTREAM OF THE X-OVER VALVE: - TANKS C/D TO BE SHUT DOWN IN ORDER TO STOP THE LEAK; - LOSS OF FES FEEDLINE B, AND TWO TANKS RESERVE; - TANKS A AND B AND FES FEEDLINE A AVAILABLE.
LEAKAGE DOWNSTREAM OF THE X-OVER VALVE: - TANKS A AND B TO BE SHUTDOWN IN ORDER TO STOP THE LEAK; - LOSS OF FES FEEDLINE A, PRIMARY DUMP, X-TIE FUNCTION, AND A/L SUPPORT; - ONLY TWO TANKS AVAILABLE PLUS FES FEEDLINE B.
WITHDRAW ISSUE. IR IS THE MOST CRITICAL FAILURE.
LEAKS IN THE OUTLET SIDE OF THE SUPPLY H2O SYSTEM (i.e. FES INLET) CAN WITH A SECOND FAILURE CAUSE LOSS OF THE FES WHICH LEAVES NO REDUNDANCY FOR ENTRY COOLING, SINCE ONLY THE ABS AND RADIATORS ARE THEN AVAILABLE. THE CROSSOVER VALVE PROVIDES ISOLATION SUCH THAT TWO FAILURES ARE REQUIRED TO LOSE THE FES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2040
 NASA FMEA #: 06-2-0435-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2040
 ITEM: WCS TO WWS QD (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[]	[]	[]	[X] *
IOA	[3 / 2R]	[P]	[P]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA FM: RESTRICTED FLOW
 NASA FM: RESTRICTED FLOW BUT ALSO INCLUDES ARS LINES.
 IOA COMMENT: THE LOSS OF THE QD BY RESTRICTED FLOW ONLY
 RESTRICTS THE USE OF THE WCS, IN WHICH CASE THE FCB AND UCD
 SUPPLIES MUST BE USED. THE FCB AND UCD SUPPLIES MAY BE
 INSUFFICIENT FOR MISSION DURATION, THUS CREATING A MISSION LOSS
 CRITICALITY 3/2R PNP. THOSE NASA FMEA WHICH INCLUDE A COLLECTION
 OF HARDWARE ITEMS MAY NOT MATCH THE IOA ANALYSIS. THE IOA
 ANALYSES PROVIDED SEPARATE ANALYSES FOR EACH PIECE OF EQUIPMENT.
 THE BASIC PREMISE OF THE NASA FMEA DID AGREE WITH THE IOA
 ANALYSIS. WITHDRAW ISSUE. LIST THE NASA CRITICALITY. THE FCB
 AND UCD ARE ONLY A ONE DAY SUPPLY AND ARE NOT CONSIDERED AS
 REDUNDANCY IN THE STRICKEST SENSE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2040A
 NASA FMEA #: 06-2-0443-1

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2040
 ITEM: WCS TO WWS QD (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /2]	[]	[]	[]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R] [P] [NA] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: RESTRICTED FLOW
 IOA COMMENT: THE LOSS OF THE QD BY RESTRICTED FLOW ONLY
 RESTRICTS THE USE OF THE WCS, IN WHICH CASE THE FCB AND UCD
 SUPPLIES MUST BE USED. THE FCB AND UCD SUPPLIES MAY BE
 INSUFFICIENT FOR MISSION DURATION, THUS CREATING A MISSION LOSS
 CRITICALITY 3/2R PNP. THOSE NASA FMEA WHICH INCLUDE A COLLECTION
 OF HARDWARE ITEMS MAY NOT MATCH THE IOA ANALYSIS. THE IOA
 ANALYSES PROVIDED SEPARATE ANALYSES FOR EACH PIECE OF EQUIPMENT.
 THE BASIC PREMISE OF THE NASA FMEA DID AGREE WITH THE IOA
 ANALYSIS. WITHDRAW ISSUE. LIST THE NASA CRITICALITY. THE FCB
 AND UCD ARE ONLY A ONE DAY SUPPLY AND ARE NOT CONSIDERED AS
 REDUNDANCY IN THE STRICKEST SENSE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2044
 NASA FMEA #: 06-2-0435-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2044
 ITEM: WCS TO WWS DYNATUBE (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (if applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: RESTRICTED FLOW
 IOA COMMENT: THE LOSS OF THE DYNATUBE BY RESTRICTED FLOW ONLY
 RESTRICTS THE USE OF THE WCS, IN WHICH CASE THE FCB AND UCD
 SUPPLIES MUST BE USED. THE FCB AND UCD SUPPLIES MAY BE
 INSUFFICIENT FOR MISSION DURATION, THUS CREATING A MISSION LOSS
 CRITICALITY 3/2R PNP. THOSE NASA FMEA WHICH INCLUDE A COLLECTION
 OF HARDWARE ITEMS MAY NOT MATCH THE IOA ANALYSIS. THE IOA
 ANALYSES PROVIDED SEPARATE ANALYSES FOR EACH PIECE OF EQUIPMENT.
 THE BASIC PREMISE OF THE NASA FMEA DID AGREE WITH THE IOA
 ANALYSIS. WITHDRAW ISSUE. LIST THE NASA CRITICALITY. THE FCB
 AND UCD ARE ONLY A ONE DAY SUPPLY AND ARE NOT CONSIDERED AS
 REDUNDANCY IN THE STRICKEST SENSE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2044A
 NASA FMEA #: 06-2-0443-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2044
 ITEM: WCS TO WWS DYNATUBE (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: RESTRICTED FLOW
 IOA COMMENT: THE LOSS OF THE DYNATUBE BY RESTRICTED FLOW ONLY
 RESTRICTS THE USE OF THE WCS, IN WHICH CASE THE FCB AND UCD
 SUPPLIES MUST BE USED. THE FCB AND UCD SUPPLIES MAY BE
 INSUFFICIENT FOR MISSION DURATION, THUS CREATING A MISSION LOSS
 CRITICALITY 3/2R PNP. THOSE NASA FMEA WHICH INCLUDE A COLLECTION
 OF HARDWARE ITEMS MAY NOT MATCH THE IOA ANALYSIS. THE IOA
 ANALYSES PROVIDED SEPARATE ANALYSES FOR EACH PIECE OF EQUIPMENT.
 THE BASIC PREMISE OF THE NASA FMEA DID AGREE WITH THE IOA
 ANALYSIS. WITHDRAW ISSUE. LIST THE NASA CRITICALITY. THE FCB
 AND UCD ARE ONLY A ONE DAY SUPPLY AND ARE NOT CONSIDERED AS
 REDUNDANCY IN THE STRICKEST SENSE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2048
 NASA FMEA #: 06-2-0401-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2048
 ITEM: MANUAL VENT VALVE (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: EXTERNAL LEAKAGE
 IOA COMMENT: IF THE VALVE EXTERNAL LEAKAGE DEVELOPS SUCH THAT THE AIR FLOW IS DOWNSTREAM OF THE VALVE CONTROLLER (PAST 2 SEALS) THEN A POTENTIAL LOSS OF LIFE WOULD BE POSSIBLE DUE TO UNCONTROLLED CABIN PRESSURE LOSS IF THE VACUUM VENT ISOLATION VALVE DID NOT FUNCTION TO RESTRICT THE AIR FLOW. THE RECOMMENDED CRITICALITY WOULD BE 3/1R PNP.
 THE IOA ANALYSIS VIEWED THE FIRST FAILURE TO BE A NON-MISSION ESSENTIAL CRITICALITY, HOWEVER SECONDARY FAILURES COULD CREATE MAJOR PROBLEMS. THE NASA FMEA CRITICALITY VIEWED THE FIRST FAILURE TO BE AT LEAST A MISSION LOSS, IF NOT A LIFE THREATENING CONDITION. WITHDRAW ISSUE. NASA CRITICALITY IS CORRECT. IF THE VALVE LEAKS THE ONLY REDUNDANCY LEFT IS THE VACUUM VENT ISOLATION VALVE. THUS CRITICALITY IS 2/1R.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2126
 NASA FMEA #: 06-2-0314-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2126
 ITEM: WASTE TANK N2 HYDROPHOBIC FILTER (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[F]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: INTERNAL LEAKAGE
 IOA COMMENT: THE FAILURE OF THE FILTER IS NO CRITICALITY CHANGE,
 HOWEVER IF THE LOSS OF THE BELLOWS OCCURS THEN THE FCB AND UCD
 MUST BE USED AS REDUNDANT SUPPLIES WHICH MAY REQUIRE TERMINATION
 OF THE MISSION BECAUSE OF INSUFFICIENT UCD SUPPLIES PAST
 3-DAYS USAGE. THE NEW CRITICALITY SHOULD BE 3/2R FNP.
 THE DISAGREEMENT IN THE REDUNDANCY SCREENS WAS DUE TO NO DETAILED
 DISCUSSION WITH THE NASA SUBSYSTEM MANAGERS REGARDING THE
 REDUNDANT PATHS.
 WITHDRAW ISSUE. NASA CRITICALITY IS CORRECT, AS STATED IN
 PREVIOUS IOA REMARKS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2131
 NASA FMEA #: 06-2-0420-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2131
 ITEM: GSE FILL AND PLUG (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[F]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: FAILS TO CLOSE
 IOA COMMENT: IF THE LEAKAGE DEVELOPS AFTER GROUND SERVICING AND THE CAP, AS SECONDARY SEAL, ALSO FAILS, THEN A POTENTIAL FOR LOSS OF LIFE OCCURS DUE TO CABIN PRESSURE LOSS FOR A CRITICALITY OF 3/1R FFP.
 THE IOA ANALYSIS VIEWED THE CONDITION OF A POTENTIAL CABIN ATMOSPHERE LEAK, IF A SECOND FAILURE OCCURED IN THE REDUNDANCY STREAM, TO BE A LIFE CRITICAL CONDITION.
 WITHDRAW ISSUE. NASA CRITICALITY CORRECT. IF THE IOA FAILURE OCCURS THE LEAK RATE WOULD BE SUCH THAT THE CABIN PRESSURE COULD BE MAINTAINED EASILY, BASED UPON LINE SIZE AND CONSTRUCTION OF THE QD AND CAP SEALING CAPABILITIES. THUS MISSION LOSS SHOULD BE WORST CASE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2136
 NASA FMEA #: 06-2-0438-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2136
 ITEM: DUMP LINES, FITTINGS, JOINTS AND UNIONS

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: EXTERNAL LEAKAGE
 IOA COMMENT: THE EXTERNAL LEAKAGE OF THE DUMP LINE PRODUCES A
 LOSS OF MISSION WITH NO CHANGE IN CRITICAL EVENTS.
 THE IOA ANALYSIS TEAM COULD NOT DETERMINE ANY APPARENT REDUNDANT
 PATHS FOR THIS HARDWARE OR FUNCTION
 INCORPORATE MDAC IOA CRITICALITY FOR THE WASTE WATER DUMP
 CONSIDERATIONS AND ADD 3/1R PPP CRTICALITY FOR SUPPLY WATER DUMP
 CONSIDERATIONS. THIS IS CONSISTENT WITH ALL OTHER WASTE WATER
 DUMP COMPONENTS DOWNSTREAM OF THE DUMP ISOLATION VALVE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2137
 NASA FMEA #: 06-2-0438-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2137
 ITEM: DUMP LINES, FITTINGS AND CONNECTIONS

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: RESTRICTED/BLOCKED FLOW.
 IOA COMMENT: THE RESTRICTED FLOW OF THE DUMP LINE PRODUCES A LOSS OF MISSION WITH NO CHANGE IN CRITICAL EVENTS.
 THE IOA ANALYSIS TEAM COULD NOT DETERMINE ANY APPARENT REDUNDANT PATHS FOR THIS HARDWARE OR FUNCTION
 INCORPORATE MDAC IOA CRITICALITY FOR THE WASTE WATER DUMP CONSIDERATIONS AND ADD 3/1R PPP CRITICALITY FOR SUPPLY WATER DUMP CONSIDERATIONS. THIS IS CONSISTENT WITH ALL OTHER WASTE WATER DUMP COMPONENTS DOWNSTREAM OF THE DUMP ISOLATION VALVE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2141
 NASA FMEA #: 06-2-0438-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2141
 ITEM: QD AND TP @ HIGH CAP. FILTER (2)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: EXTERNAL LEAKAGE
 IOA COMMENT: LOSS OF DUMP LINE AND WCS FUNCTION REQUIRES USE OF CONTINGENCY WASTE COLLECTION METHODS AND A LOSS OF MISSION DUE TO LOSS OF ARS CONDENSATE STORAGE CAPABILITY.
 THE IOA ANALYSIS TEAM COULD NOT DETERMINE ANY APPARENT REDUNDANT PATHS FOR THIS HARDWARE OR FUNCTION
 INCORPORATE MDAC IOA CRITICALITY FOR THE WASTE WATER DUMP CONSIDERATIONS AND ADD 3/1R PPP CRITICALITY FOR SUPPLY WATER DUMP CONSIDERATIONS. THIS IS CONSISTENT WITH ALL OTHER WASTE WATER DUMP COMPONENTS DOWNSTREAM OF THE DUMP ISOLATION VALVE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2142A
 NASA FMEA #: 06-2-0438-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2142
 ITEM: HIGH CAPACITY FILTER (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: RESTRICTED/BLOCKED FLOW
 NOTE TO NASA: WHY ARE 06-2-0423-1 AND 06-2-0438-1 NOT CONSISTENT FOR CRITICALITY?
 THE IOA ANALYSIS TEAM COULD NOT DETERMINE ANY APPARENT REDUNDANT PATHS FOR THIS HARDWARE OR FUNCTION
 INCORPORATE MDAC IOA CRITICALITY FOR THE WASTE WATER DUMP CONSIDERATIONS AND ADD 3/1R PPP CRITICALITY FOR SUPPLY WATER DUMP CONSIDERATIONS. THIS IS CONSISTENT WITH ALL OTHER WASTE WATER DUMP COMPONENTS DOWNSTREAM OF THE DUMP ISOLATION VALVE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2144
 NASA FMEA #: 06-2-0431-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2144
 ITEM: CONTINGENCY H2O CROSS-TIE QD AND PLUG (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA FM: INABILITY TO MATE/DE-MATE, FAILS TO OPEN, RESTRICTED FLOW
 NASA FM: FAILS CLOSED, RESTRICTED FLOW
 IOA COMMENT: LOSS OF DUMP LINE AND WCS FUNCTION REQUIRES USE OF CONTINGENCY WASTE COLLECTION METHODS AND A LOSS OF MISSION DUE TO LOSS OF ARS CONDENSATE STORAGE CAPABILITY.
 THE IOA ANALYSIS TEAM COULD NOT DETERMINE ANY APPARENT REDUNDANT PATHS FOR THIS HARDWARE OR FUNCTION WITHDRAW ISSUE. IN THE STRICTEST SENSE THIS SHOULD HAVE A DUAL CRITICALITY OF 2/2 FOR WASTE H2O AND 3/1R FOR SUPPLY H2O. THE SUBSYSTEM MANAGER HAS FOREGONE WASTE CRITICALITY SAYING ONLY SUPPLY TO WASTE FLOW WILL BE ALLOWED.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2189
 NASA FMEA #: 05-6VF-2001-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2189
 ITEM: DUMP VALVE/NOZZLE HEATER CIRCUIT BREAKER (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]	[P]	[NA]	[P]	[]
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(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: FAILS TO REMAIN CLOSED
 IOA COMMENT: THE LOSS OF THE WASTE WATER DUMP REQUIRES USE OF THE CWC FOR FLUID STORAGE THUS 3/2R CRITICALITY, NOT LOSS OF LIFE.
 THE NASA VIEWED ANY LOSS OF WATER DUMP CAPABILITY, EITHER SUPPLY OR WASTE WATER, AS A LOSS OF LIFE OR VEHICLE CONDITION. HOWEVER THE IOA ANALYSIS DID NOT RECOGNIZE THIS LIMITATION AND VIEWED THE LOSS OF WASTE WATER DUMP CAPABILITY TO BE ONLY A LOSS OF MISSION CONDITION.
 INCORPORATE REVISED CRITICALITY AS RECOMMENDED. IN THE STRICTEST SENSE THIS SHOULD HAVE A DUAL CRITICALITY OF 2/2 FOR WASTE H2O AND 3/1R FOR SUPPLY H2O, THUS THE 3/1R APPLIES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2191
 NASA FMEA #: 05-6VE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2191
 ITEM: DUMP VALVE ENABLE/NOZZLE HEATER SWITCH (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [NA] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA FM: SHORTED TO GROUND
 NASA FM: OPEN, SHORTED TO GROUND
 IOA COMMENT: LOSS OF SWITCH ELIMINATES WASTE WATER DUMP
 CAPABILITY THRU THE NORMAL CHANNELS, BUT DUMP CAN STILL BE DONE
 THRU THE SUPPLY WATER SYSTEM. IF THE FAILURE OCCURS DURING A
 VALVE OPEN PHASE, THEN A POTENTIAL LOSS OF LIFE CAN OCCUR IF THE
 DUMP ISOLATION VALVE ALSO FAILS - THUS A CRITICALITY OF 3/1R PNP.
 THE IOA ANALYSIS VIEWED THE FIRST FAILURE TO BE A NON-MISSION
 ESSENTIAL CRITICALITY, HOWEVER SECONDARY FAILURES COULD CREATE
 MAJOR PROBLEMS. THE NASA FMEA CRITICALITY VIEWED
 THE FIRST FAILURE TO BE AT LEAST A MISSION LOSS, IF NOT A LIFE
 THREATENING CONDITION. INCORPORATE MDAC IOA CRITICALITY. IN THE
 STRICTEST SENSE THIS SHOULD HAVE A DUAL CRITICALITY OF 2/2 FOR
 WASTE H2O AND 3/1R FOR SUPPLY H2O, THUS THE 3/1R APPLIES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2192
 NASA FMEA #: 05-6VE-2024-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2192
 ITEM: DUMP VALVE ENABLE/NOZZLE HEATER SWITCH (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [NA] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (if applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA FM: PHYSICAL BINDING/JAMMING
 NASA FM: OPEN, SHORTED TO GROUND
 IOA COMMENT: LOSS OF SWITCH ELIMINATES WASTE WATER DUMP
 CAPABILITY THRU THE NORMAL CHANNELS, BUT DUMP CAN STILL BE DONE
 THRU THE SUPPLY WATER SYSTEM. IF THE FAILURE OCCURS DURING A
 VALVE OPEN PHASE, THEN A POTENTIAL LOSS OF LIFE CAN OCCUR IF THE
 DUMP ISOLATION VALVE ALSO FAILS - THUS A CRITICALITY OF 3/1R PNP.
 THE IOA ANALYSIS VIEWED THE FIRST FAILURE TO BE A NON-MISSION
 ESSENTIAL CRITICALITY, HOWEVER SECONDARY FAILURES COULD CREATE
 MAJOR PROBLEMS. THE NASA FMEA CRITICALITY VIEWED
 THE FIRST FAILURE TO BE AT LEAST A MISSION LOSS, IF NOT A LIFE
 THREATENING CONDITION. INCORPORATE MDAC IOA CRITICALITY. IN THE
 STRICTEST SENSE THIS SHOULD HAVE A DUAL CRITICALITY OF 2/2 FOR
 WASTE H2O AND 3/1R FOR SUPPLY H2O, THUS THE 3/1R APPLIES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2193
 NASA FMEA #: 05-6VC-2024-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2193
 ITEM: DUMP VALVE ENABLE/NOZZLE HEATER SWITCH (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[P] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [NA] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA FM: OPEN (ELECTRICAL)
 NASA FM: OPEN, SHORT TO GROUND WHILE VALVE CLOSED.
 IOA COMMENT: LOSS OF SWITCH ELIMINATES WASTE WATER DUMP
 CAPABILITY THRU NORMAL CHANNELS. IF THE FAILURE OCCURS DURING A
 VALVE CLOSED PHASE, THEN A POTENTIAL LOSS OF LIFE CAN OCCUR IF
 THE DUMP ISOLATION VALVE ALSO FAILS-THUS A CRITICALITY OF 3/1R
 PNP.
 THE IOA ANALYSIS VIEWED THE FIRST FAILURE TO BE A NON-MISSION
 ESSENTIAL CRITICALITY, HOWEVER SECONDARY FAILURES COULD CREATE
 MAJOR PROBLEMS. THE NASA FMEA CRITICALITY VIEWED THE FIRST
 FAILURE TO BE AT LEAST A MISSION LOSS, IF NOT A LIFE THREATENING
 CONDITION. INCORPORATE MDAC IOA CRITICALITY. IN THE STRICTEST
 SENSE THIS SHOULD HAVE A DUAL CRITICALITY OF 2/2 FOR WASTE H2O
 AND 3/1R FOR SUPPLY H2O, THUS THE 3/1R APPLIES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2211
 NASA FMEA #: 06-2-0418-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2211
 ITEM: VACUUM VENT NOZZLE (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[1 /1] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: RESTRICTED/BLOCKED FLOW
 IOA COMMENT: THIS MAY BE DETERMINED TO BE A "NON-CREDIBLE"
 CONDITION OF BLOCKED FLOW IN THE VACUUM VENT LINE, HOWEVER IF
 PLAUSIBLE A POTENTIALLY EXPLOSIVE ENVIRONMENT DUE TO HYDROGEN GAS
 CONCENTRATIONS WOULD BE POSSIBLE, HENCE THE 1/1 CRITICALITY.
 THE IOA ANALYSIS VIEWED THE LOSS OF THE VACUUM VENT DUMP LINE BY
 BLOCKAGE OR LOSS OF THE HEATERS AS A POTENTIAL LOSS OF
 LIFE/VEHICLE CONDITION. A POTENTIALLY HAZARDOUS ATMOSPHERE OF
 HYDROGEN AND OXYGEN COULD OCCUR IF THE LINE WERE BLOCKED.
 WITHDRAW ISSUE. NASA CRITICALITY IS CORRECT. A SECOND FAILURE
 WHICH INDUCES O2 INTO THE ENVIRONMENT IS REQUIRED TO PRODUCE AN
 EXPLOSIVE ENVIRONMENT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
ASSESSMENT ID: LS-2213
NASA FMEA #:

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: LIFE SUPPORT
MDAC ID: 2213
ITEM: VACUUM VENT LINE HEATER THERMOSTAT (2)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 1R]	[P]	[P]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 / 3] [] [] [] [A]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

IOA FM: FAILS TO REMAIN CLOSED
THERE WAS NO NASA WMS FMEA WHICH MATCHED THE IOA DESCRIPTION.
THE NASA ANALYSIS MAY BE COMBINED WITH SOME OTHER HARDWARE OR
REALLOCATED TO ANOTHER SUBSYSTEM.
REVISE CRITICALITY TO 3/3. THIS SHOULD HAVE BEEN ASSESSED
AGAINST 06-2E-0424 & 0425. THE FAILURE OF THE THERMOSTAT EITHER
CLOSED OR OPEN DOES NOT CREATE A PROBLEM. WHEN CLOSED THE
WATTAGE IS NOT SUFFICIENT ENOUGH TO OVER TEMP THE LINE AND IF
OPEN THE
REDUNDANT HEATER IS AVAILABLE ALTHOUGH THE GAS FLOWING THROUGH
THIS 2 INCH LINE ACTUALLY DOES NOT REQUIRE HEATING. IF H2O IS
INDUCED IN THE LINE (i.e. H2 SEPARATOR FAILURE) THE HEATER IS TOO
SMALL TO STOP FREEZING.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2218
 NASA FMEA #: 05-6VC-2006-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2218
 ITEM: NOZZLE HEATER CIRCUIT BREAKER (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: FAILS TO REMAIN CLOSED
 IOA COMMENT: IF THE POSSIBILITY FOR LINE FREEZING IS ACCEPTED,
 DUE TO THE PRESENCE OF THE VACUUM VENT HEATERS, THEN LOSS OF THE
 HEATERS COULD CAUSE LINE FREEZING AND A POTENTIALLY DANGEROUS GAS
 ENVIRONMENT.
 THE IOA ANALYSIS VIEWED THE LOSS OF THE VACUUM VENT DUMP LINE BY
 BLOCKAGE OR LOSS OF THE HEATERS AS A POTENTIAL LOSS OF
 LIFE/VEHICLE CONDITION. A POTENTIALLY HAZARDOUS ATMOSPHERE OF
 HYDROGEN AND OXYGEN COULD OCCUR IF THE LINE WERE BLOCKED.
 WITHDRAW ISSUE. NASA CRITICALITY IS CORRECT. THE HEATER IS
 SIZED TO KEEP ANY FROST FROM BUILDING UP IN THE DUCT. THE
 MOISTURE (VERY LOW LEVEL) IS VENTED OVERBOARD FROM THE COMMODE OR
 THE AIRLOCK DEPRESS VALVE. ANY FREEZING IN THIS CASE WOULD NOT
 COMPLETELY BLOCK FLOW NOR WOULD THE ICE BUILD UP BE SIGNIFICANT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
ASSESSMENT ID: LS-2219
NASA FMEA #:

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: LIFE SUPPORT
MDAC ID: 2219
ITEM: NOZZLE HEATER SWITCH (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 3] [] [] [] [A]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

IOA FM: ELECTRICAL OPEN
THERE WAS NO NASA WMS FMEA WHICH MATCHED THE IOA DESCRIPTION.
THE NASA ANALYSIS MAY BE COMBINED WITH SOME OTHER HARDWARE OR
REALLOCATED TO ANOTHER SUBSYSTEM.
WITHDRAW ISSUE. NASA CRITICALITY IS CORRECT. THE HEATER IS
SIZED TO KEEP ANY FROST FROM BUILDING UP IN THE DUCT. THE
MOISTURE (VERY LOW LEVEL) IS VENTED OVERBOARD FROM THE COMMODE OR
THE AIRLOCK DEPRESS VALVE. ANY FREEZING IN THIS CASE WOULD NOT
COMPLETELY BLOCK FLOW NOR WOULD THE ICE BUILD UP BE SIGNIFICANT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2220
 NASA FMEA #: 05-6VE-2411-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2220
 ITEM: NOZZLE HEATER SWITCH (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA FM: SHORTED. NASA FM: OPEN, SHORTED TO GROUND.
 IOA COMMENT: IF THE POSSIBILITY FOR LINE FREEZING IS ACCEPTED,
 DUE TO THE PRESENCE OF THE VACUUM VENT HEATERS, THEN LOSS OF THE
 HEATERS COULD CAUSE LINE FREEZING AND A POTENTIALLY DANGEROUS GAS
 ENVIRONMENT.
 THE IOA ANALYSIS VIEWED THE LOSS OF THE VACUUM VENT DUMP LINE BY
 BLOCKAGE OR LOSS OF THE HEATERS AS A POTENTIAL LOSS OF
 LIFE/VEHICLE CONDITION. A POTENTIALLY HAZARDOUS ATMOSPHERE OF
 HYDROGEN AND OXYGEN COULD OCCUR IF THE LINE WERE BLOCKED.
 WITHDRAW ISSUE. NASA CRITICALITY IS CORRECT. THE HEATER IS
 SIZED TO KEEP ANY FROST FROM BUILDING UP IN THE DUCT. THE
 MOISTURE (VERY LOW LEVEL) IS VENTED OVERBOARD FROM THE COMMODE OR
 THE AIRLOCK DEPRESS VALVE. ANY FREEZING IN THIS CASE WOULD NOT
 COMPLETELY BLOCK FLOW NOR WOULD THE ICE BUILD UP BE SIGNIFICANT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2220A
 NASA FMEA #: 05-6VC-2025-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2220
 ITEM: NOZZLE HEATER SWITCH (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 3] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA FM: SHORTED. NASA FM: OPEN, SHORTED TO GROUND.
 IOA COMMENT: IF THE POSSIBILITY FOR LINE FREEZING IS ACCEPTED,
 DUE TO THE PRESENCE OF THE VACUUM VENT HEATERS, THEN LOSS OF THE
 HEATERS COULD CAUSE LINE FREEZING AND A POTENTIALLY DANGEROUS GAS
 ENVIRONMENT.
 THE IOA ANALYSIS VIEWED THE LOSS OF THE VACUUM VENT DUMP LINE BY
 BLOCKAGE OR LOSS OF THE HEATERS AS A POTENTIAL LOSS OF
 LIFE/VEHICLE CONDITION. A POTENTIALLY HAZARDOUS ATMOSPHERE OF
 HYDROGEN AND OXYGEN COULD OCCUR IF THE LINE WERE BLOCKED.
 WITHDRAW ISSUE. NASA CRITICALITY IS CORRECT. THE HEATER IS
 SIZED TO KEEP ANY FROST FROM BUILDING UP IN THE DUCT. THE
 MOISTURE (VERY LOW LEVEL) IS VENTED OVERBOARD FROM THE COMMUNE OR
 THE AIRLOCK DEPRESS VALVE. ANY FREEZING IN THIS CASE WOULD NOT
 COMPLETELY BLOCK FLOW NOR WOULD THE ICE BUILD UP BE SIGNIFICANT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2222
 NASA FMEA #: 06-2-0425-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2222
 ITEM: VACUUM VENT NOZZLE HEATER (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 3] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA FM: ELECTRICAL OPEN, SHORT. NASA FM: OPEN. NOTE: THE NASA CRITICALITY WERE 2R/3 DURING A PREVIOUS ANALYSIS.
 IOA COMMENT: IF THE POSSIBILITY FOR LINE FREEZING IS ACCEPTED, DUE TO THE PRESENCE OF THE VACUUM VENT HEATERS, THEN LOSS OF THE HEATERS COULD CAUSE LINE FREEZING AND A POTENTIALLY DANGEROUS GAS ENVIRONMENT.

THE IOA ANALYSIS VIEWED THE LOSS OF THE VACUUM VENT DUMP LINE BY BLOCKAGE OR LOSS OF THE HEATERS AS A POTENTIAL LOSS OF LIFE/VEHICLE CONDITION. A POTENTIALLY HAZARDOUS ATMOSPHERE OF HYDROGEN AND OXYGEN COULD OCCUR IF THE LINE WERE BLOCKED. WITHDRAW ISSUE. NASA CRITICALITY IS CORRECT. THE HEATER IS SIZED TO KEEP ANY FROST FROM BUILDING UP IN THE DUCT. THE MOISTURE (VERY LOW LEVEL) IS VENTED OVERBOARD FROM THE COMMODE OR THE AIRLOCK DEPRESS VALVE. ANY FREEZING IN THIS CASE WOULD NOT COMPLETELY BLOCK FLOW NOR WOULD THE ICE BUILD UP BE SIGNIFICANT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2233X
 NASA FMEA #: 06-2-0443-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2233
 ITEM: WCS CHECK VALVE LINES TO WWS QD

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /2]	[]	[]	[]	[X] *
IOA	[3 /2R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: RESTRICTED FLOW
 THOSE NASA FMEA WHICH INCLUDE A COLLECTION OF HARDWARE ITEMS MAY NOT MATCH THE IOA ANALYSIS. THE IOA ANALYSES PROVIDED SEPARATE ANALYSES FOR EACH PIECE OF EQUIPMENT. THE BASIC PREMISE OF THE NASA FMEA DID AGREE WITH THE IOA ANALYSIS.
 WITHDRAW ISSUE. LIST THE NASA CRITICALITY. THE FCB AND UCD ARE ONLY A ONE DAY SUPPLY AND ARE NOT CONSIDERED AS REDUNDANCY IN THE STRICKEST SENSE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2236X
 NASA FMEA #: 06-2-0445-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2236
 ITEM: FAN/SEPARATOR MUFFLER HOUSING INLET DUCT

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[]	[]	[]	[X] *
IOA	[3 / 2R]	[P]	[NA]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: RESTRICTED FLOW

IOA COMMENT: NOT VIEWED AS IMMEDIATE MISSION CRITICAL BECAUSE OF FCB AND UCD SUPPLIES. THE FCB AND UCD SUPPLY USAGE MAY CREATE A LOSS OF MISSION DEPENDING ON MISSION DURATION DUE TO LACK OF SUPPLIES.

THE IOA ANALYSIS VIEWED THE FIRST FAILURE TO BE A NON-MISSION ESSENTIAL CRITICALITY, HOWEVER SECONDARY FAILURES COULD CREATE MAJOR PROBLEMS. THE NASA FMEA CRITICALITY VIEWED THE FIRST FAILURE TO BE AT LEAST A MISSION LOSS, IF NOT A LIFE THREATENING CONDITION.

WITHDRAW ISSUE. LIST THE NASA CRITICALITY. THE FCB AND UCD ARE ONLY A ONE DAY SUPPLY AND ARE NOT CONSIDERED AS REDUNDANCY IN THE STRICTEST SENSE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2237X
 NASA FMEA #: 06-2-0445-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2237
 ITEM: MUFFLER HOUSING ASSEMBLY (1)

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /2]	[]	[]	[]	[X] *
IOA	[3 /2R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: RESTRICTED/BLOCKED FLOW

IOA COMMENT: NOT VIEWED AS IMMEDIATE MISSION CRITICAL BECAUSE OF FCB AND UCD SUPPLIES. THE FCB AND UCD SUPPLY USAGE MAY CREATE A LOSS OF MISSION DEPENDING ON MISSION DURATION DUE TO LACK OF SUPPLIES.

THE IOA ANALYSIS VIEWED THE FIRST FAILURE TO BE A NON-MISSION ESSENTIAL CRITICALITY, HOWEVER SECONDARY FAILURES COULD CREATE MAJOR PROBLEMS. THE NASA FMEA CRITICALITY VIEWED THE FIRST FAILURE TO BE AT LEAST A MISSION LOSS, IF NOT A LIFE THREATENING CONDITION.

WITHDRAW ISSUE. LIST THE NASA CRITICALITY. THE FCB AND UCD ARE ONLY A ONE DAY SUPPLY AND ARE NOT CONSIDERED AS REDUNDANCY IN THE STRICKEST SENSE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: LS-2252X
 NASA FMEA #: 05-6VC-2037-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 2252
 ITEM: WASTE DUMP VALVE SWITCH

LEAD ANALYST: K. BARICKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/NASA FM: SHORTED TO GROUND
 IOA COMMENT: THE FIRST FAILURE IS POTENTIAL PROBLEM IF VALVE
 OPEN AT FAILURE BECAUSE OF LOST CONTINGENCY DUMP CAPABILITY.
 POTENTIAL LOSS OF LIFE IF DUMP ISOLATION VALVE FAILS TO CLOSE IF
 DUMP VALVE IS OPEN AT FAILURE, THUS CRITICALITY 2/1R PNP.
 THE DISAGREEMENT IN THE REDUNDANCY SCREENS WAS DUE TO NO DETAILED
 DISCUSSION WITH THE NASA SUBSYSTEM MANAGERS REGARDING THE
 REDUNDANT PATHS.
 INCORPORATE REVISED CRITICALITY AS RECOMMENDED FOR THE WASTE
 WATER DUMP CONSIDERATIONS AND ADD 3/1R PPP CRITICALITY FOR SUPPLY
 WATER DUMP CONSIDERATIONS. CONSISTENT WITH ALL OTHER WASTE WATER
 DUMP COMPONENTS DOWNSTREAM OF THE DUMP ISOLATION VALVE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: LS-3001
 NASA FMEA #: 05-6V-2000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3001
 ITEM: CB-SMOKE DETN BAY 2A/3B, 1B/3A, 1A/2B (CB8, 7,
 7)

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

PER NSTS-222006 (CN 4) PARAGRAPH 2.3.5A SCREEN B FAILS BECAUSE THE SENSORS ARE OPERATING DURING LOS. VISUAL OPEN STATE OF CIRCUIT BREAKERS IS NOT CONSIDERED DETECTABLE. A POSSIBLE ADDITION TO THE SMOKE CONCENTRATION OUTPUT WOULD BE TO TRIGGER FDA IF THE OUTPUT FAILS TO ZERO, INDICATING LOSS OF POWER TO THE SENSOR.

WITHDRAW THE IOA ISSUE.

THE DETERMINATION OF ON-ORBIT DETECTABILITY IS AT QUESTION. SINCE DETECTABILITY IS AVAILABLE WITH STATION COVERAGE AND THE ITEM IS ALREADY A CIL IT APPEARS THE ITEM HAS BEEN GIVEN SUFFICIENT VISIBILITY WITHIN THE CCB AND PRCB.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: LS-3003
 NASA FMEA #: 05-6V-2000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3003
 ITEM: CB-SMOKE DETN L/R FLT DECK (CB7)

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

PER NSTS-22206 (CN 4) PARAGRAPH 2.3.5A SCREEN B FAILS BECAUSE THE SENSORS ARE OPERATING DURING LOS. VISUAL OPEN STATE OF CIRCUIT BREAKERS IS NOT CONSIDERED DETECTABLE. A POSSIBLE ADDITION TO THE SMOKE CONCENTRATION OUTPUT WOULD BE TO TRIGGER FDA IF THE OUTPUT FAILS TO ZERO, INDICATING LOSS OF POWER TO SENSOR. WITHDRAW THE IOA ISSUE.
 THE DETERMINATION OF ON-ORBIT DETECTABILITY IS AT QUESTION. SINCE DETECTABILITY IS AVAILABLE WITH STATION COVERAGE AND THE ITEM IS ALREADY A CIL IT APPEARS THE ITEM HAS BEEN GIVEN SUFFICIENT VISABILITY WITHIN THE CCB AND PRCB.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: LS-3005
 NASA FMEA #: 05-6V-2000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3005
 ITEM: CB-SMOKE DETN CABIN (CB6)

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

PER NSTS-22206 (CN 4) PARAGRAPH 2.3.5A SCREEN B FAILS BECAUSE THE SENSORS ARE OPERATING DURING LOS. VISUAL OPEN STATE OF CIRCUIT BREAKERS IS NOT CONSIDERED DETECTABLE. A POSSIBLE ADDITION TO THE SMOKE CONCENTRATION OUTPUT WOULD BE TO TRIGGER FDA IF THE OUTPUT FAILS TO ZERO, INDICATING LOSS OF POWER TO THE SENSOR. WITHDRAW THE IOA ISSUE.

THE DETERMINATION OF ON-ORBIT DETECTABILITY IS AT QUESTION. SINCE DETECTABILITY IS AVAILABLE WITH STATION COVERAGE AND THE ITEM IS ALREADY A CIL IT APPEARS THE ITEM HAS BEEN GIVEN SUFFICIENT VISABILITY WITHIN THE CCB AND PRCB.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/09/88
 ASSESSMENT ID: LS-3027
 NASA FMEA #: 05-6V-2075-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3027
 ITEM: RESISTOR A1R1, R2, R3, R4, R5, R8, R9, R10, R11
 (1.2K)

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ALARM STILL WILL BE ISSUED VIA THE SMOKE CONCENTRATION FDA
 PARAMETER AND THE APPROPRIATE FIRE LIGHT WILL ILLUMINATE.
 NASA CRITICALITY CHANGED TO AGREE WITH IOA CRITICALITY (B SCREEN,
 P). THE ACCUMULATED RESULTS TABLE (SMOKE) DATED 3/14/88
 INDICATES THE LATEST NASA ANALYSIS AGREES WITH THE IOA ANALYSIS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/08/88
 ASSESSMENT ID: LS-3030
 NASA FMEA #: 05-6V-2251-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3030
 ITEM: DIODE A1CR1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE FAILURE IS DETECTED BY THE SMOKE DETECTOR CONCENTRATION FDA ALERT AND SUBSEQUENT ANALYSIS. WITHDRAW THE IOA ISSUE. THE DETERMINATION OF ON-ORBIT DETECTABILITY IS AT QUESTION. THE IOA ANALYSIS CONSIDERED THE FAILURE DETECTABLE AND ISOLATABLE UPON SENSOR ACTIVATION, WHERE-AS NASA CONSIDERED IT NON-DETECTABLE BECAUSE IT COULD BE IN EXISTANCE A LONG TIME BEFORE THE SENSOR IS ACTIVATED. THIS IS ANOTHER CASE OF THE APPLICATION OF DETECTABILITY AS DEFINED IN NSTS-22206. IOA ACCEPTS THE NASA ANALYSIS BASED UPON THE HIGHER CRITICALITY WHICH PROVIDES EVEN GREATER VISABILITY INTO THE FAILURE AND ITS EFFECTS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/08/88
 ASSESSMENT ID: LS-3033
 NASA FMEA #: 05-6V-2075-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3033
 ITEM: RESISTOR A6R11, R12 (1.2K)

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THESE RESISTORS ONLY EFFECT THE PAYLOAD SMOKE DETECTION ALL OTHER ALARMS WORK TO INDIACTE THE FIRE. BUT THE LOSS OF ALL LIKE AND UNLIKE REDUNDANCY (ALL ALARM OUTPUTS) COULD POSSIBLY RESULT IN LOSS OF THE CREW/VEHCILE.
 NASA CRITICALITY CHANGED TO AGREE WITH IOA CRITICALITY (B SCREEN, P). THE ACCUMULATED RESULTS TABLE (SMOKE) DATED 3/14/88 INDICATES THE LATEST NASA ANALYSIS AGREES WITH THE IOA ANALYSIS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/09/88
 ASSESSMENT ID: LS-3036
 NASA FMEA #: 05-6V-2251-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3036
 ITEM: DIODE A6CR1, CR2

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

ALL OTHER ALARMS WORK TO INDICATE THE FIRE AND THE SOURCE CAN BE IDENTIFIED BY SUBSEQUENT ANALYSIS.

WITHDRAW THE IOA ISSUE.

THE DETERMINATION OF ON-ORBIT DETECTABILITY IS AT QUESTION. THE IOA ANALYSIS CONSIDERED THE FAILURE DETECTABLE AND ISOLATABLE UPON SENSOR ACTIVATION, WHERE-AS NASA CONSIDERED IT NON-DETECTABLE BECAUSE IT COULD BE IN EXISTANCE A LONG TIME BEFORE THE SENSOR IS ACTIVATED. THIS IS ANOTHER CASE OF THE APPLICATION OF DETECTABILITY AS DEFINED IN NSTS-22206. IOA ACCEPTS THE NASA ANALYSIS BASED UPON THE HIGHER CRITICALITY WHICH PROVIDES EVEN GREATER VISABILITY INTO THE FAILURE AND ITS EFFECTS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/09/88
 ASSESSMENT ID: LS-3042
 NASA FMEA #: 05-6V-2311-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3042
 ITEM: SMOKE DETECTION LIGHT MATRIX-LAMPS

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

FAILURE CAN BE DETECTED INFLIGHT WHEN ALARMS ANNUNCIATE THE FIRE BUT LIGHT DOES NOT. SOFTWARE FDA PROVIDES SOURCE OF FIRE. NASA CRITICALITY CHANGED TO AGREE WITH IOA CRITICALITY (B SCREEN, P). THE ACCUMULATED RESULTS TABLE (SMOKE) DATED 3/14/88 INDICATES THE LATEST NASA ANALYSIS WITH THE IOA ANALYSIS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/09/88
 ASSESSMENT ID: LS-3054
 NASA FMEA #: 05-6V-2253-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3054
 ITEM: DIODE-NO IDENTIFIER

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[N]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [N] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

POST LAUNCH, OPEN ACTUALLY ISOLATES THE GROUND CIRCUIT BETTER THAN ANY OTHER CONDITION AND DOES NOT EFFECT THE FLIGHT CIRCUIT PRE-LAUNCH THE CIRCUIT PROVIDES CAPABILITY TO FIGHT A FIRE THROUGH GROUND COMMAND CAPABILITIES. THIS DIODE, THE ON BOARD CIRCUIT, AND THE PORTABLE BOTTLES MUST FAILS TO RESULT IN LOSS OF CREW/VEHICLE. CONSIDERATIONS OF PREMATURE FIRING ARE ACTUALLY A FAIL SAFE CONDITION.

WITHDRAW THE IOA ISSUE.

THE IOA ASSESSMENT RATIONALE THAT CONSIDERED USE OF THE PORTABLE EXTINGUISHER AS ANOTHER BACKUP IS SUSPECT. IN THE VERTICAL POSITION THE REACH FROM THE AFT AREA TO THE AV BAY FIRE PORTS IS RATHER DIFFICULT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: LS-3055
 NASA FMEA #: 05-6V-2073-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3055
 ITEM: RESISTOR-NO IDENTIFIER (5.11K)

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[N]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [N] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE FAILURE HAS NO EFFECT ON THE FLIGHT CIRCUIT THUS THE ONLY CONSIDERATION IS ON THE LAUNCH PAD. FAILURE OF THE GROUND SYSTEMS TO DISCHARGE THE SUPPRESSANT CONTAINER IS BACKED UP BY THE FLIGHT SYSTEM, PORTABLE BOTTLES, AND LAUNCH TOWER FIRE SYSTEMS.

WITHDRAW THE IOA ISSUE.

THE IOA ASSESSMENT RATIONALE THAT CONSIDERED USE OF THE PORTABLE EXTINGUISHER AS ANOTHER BACKUP IS SUSPECT. IN THE VERTICAL POSITION THE REACH FROM THE AFT AREA TO THE AV BAY FIRE PORTS IS RATHER DIFFICULT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: LS-3057
 NASA FMEA #: 05-6V-2302-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3057
 ITEM: PYRO CONTROLLER NO. 1, 2, 3

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[N]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[1 /1] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

A PREMATURE OPERATION OF THIS CIRCUIT (SHORT INTERNAL) CAN INHIBIT THE ACTUAL FIRE VOLTAGE BY NOT ALLOWING THE CAPACITOR VOLTAGE TO BUILD UP. THUS THE WORST CASE CRITICALITY IS 1/1. IF THE NSI CAN FIRE AT A LOWER VOLTAGE OR IF THE FAILURE FIRES THE NSI PRIOR TO THE ACTUAL FIRE COMMAND THE FAILURE WOULD BE A CRITICALITY 3/3 SINCE THE DESIRE RESULTS ARE ACHIEVED. NASA CRITICALITY CHANGED TO AGREE WITH IOA RECOMMENDED CRITICALITY. IOA REMARKS WERE SUBSTANTIATED BY NASA SUBSYSTEM MANAGER FOR THE BASIC EPD&C COMPONENTS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/10/88
 ASSESSMENT ID: LS-3059
 NASA FMEA #: 06-2-330001-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3059
 ITEM: FIRE SUPPRESSANT ASSEMBLY (9)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[2 / 2]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FAILURE REQUIRES MORE THOUGHT THAN ONE FMEA/CIL: 1) THE FAILURE BY ITSELF SHOULD BE INDICATED BY ILLUMINATION OF THE AGENT DISCHARGE LIGHT. UPON DISCHARGE (ASSUMING A HIGH LEAD RATE) THE AV BAY WOULD BE PROTECTED FOR UP TO 50 HRS. THUS THE FAILURE ONLY HAS MISSION TERMINATION EFFECTS AND LOSS OF CREW/VEHICLE ARE NOT THE CONCERN; 2) THE FAILURE ASSUMING A SLOW LEAK WOULD REDUCE THIS AV BAY PROTECTION TIME BUT DETECTION WOULD STILL BE INDICATED VIA THE AGENT DISCHARGE LIGHT. IF THE RATE IS SLOW ENOUGH IT WILL BE DETECTED BY GROUND CHECKOUT BETWEEN MISSION; 3) THE MAJOR PROBLEM IS IF FOLLOWING GROUND CHECKOUT THE RESISTOR THAT PROVIDES CURRENT LIMITING FOR THE CIRCUIT FAILS OPEN OR THE PRESSURE SWITCH CONTACT FAILS CLOSED, OR THE CIRCUIT IS SHORTED TO GROUND NO AGENT DISCHARGE LIGHT ILLUMINATION CAN TAKE PLACE AND THEN THIS FAILURE CAN BE CATASTROPHIC IF THE LEAK IS UNDETECTED AND COMPLETE PRIOR TO LIFT-OFF. THUS THE FAILURE WOULD APPEAR AS A 1R/2. WITHDRAW THE IOA ISSUE. SINCE THE LEAK OF THE BOTTLE COULD RESULT IN NO SUPPRESSANT TO FIGHT A SUBSEQUENT FIRE AND CREW/VEHICLE ARE AT RISK. IOA ACCEPTS THE HIGHER CRITICALITY BASED ON GREATER VISABILITY.

REPORT DATE 29 JUNE 1988 C.4-74

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/88
 ASSESSMENT ID: LS-3062
 NASA FMEA #: 06-2-371000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3062
 ITEM: PORTABLE FIRE SUPPRESSANT ASSEMBLY

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[NA]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[/]	[N]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

A JAMMED ACTUATOR WILL BE KNOWN IMMEDIATELY UPON USAGE.
 WITHDRAW THE IOA ISSUE. SINCE THE DIFFERENCE IN SCREEN B HAS NO
 EFFECT ON THE ANALYSIS OUTCOME THE NASA ANALYSIS IS CONSIDERED
 GOOD.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: LS-3063
 NASA FMEA #: 05-6V-2204-1

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3063
 ITEM: HYBRID DRIVER (TYPE III) (3)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [NA] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 THE FAILURE HAS NO EFFECT ON THE FLIGHT CIRCUIT THUS THE ONLY CONSIDERATION IS ON THE LAUNCH PAD. FAILURE OF THE GROUND SYSTEMS TO DISCHARGE THE SUPPRESSANT CONTAINER IS BACKED UP BY THE FLIGHT SYSTEM, PORTABLE BOTTLES, AND LAUNCH TOWER FIRE SYSTEMS.
 WITHDRAW THE ISSUE.
 THE IOA ASSESSMENT RATIONALE THAT CONSIDERED USE OF THE PORTABLE EXTINGUISHER AS ANOTHER BACKUP IS SUSPECT. IN THE VERTICAL POSITION THE REACH FROM THE AFT AREA TO THE AV BAY FIRE PORTS IS RATHER DIFFICULT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/07/88
 ASSESSMENT ID: LS-3064
 NASA FMEA #: 05-6V-2203-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3064
 ITEM: HYBRID DRIVER (TYPE I) (3)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [N] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE FAILURE HAS NO EFFECT ON THE FLIGHT CIRCUIT THUS THE ONLY CONSIDERATION IS ON THE LAUNCH PAD. FAILURE OF THE GROUND SYSTEMS TO DISCHARGE THE SUPPRESSANT CONTAINER IS BACKED UP BY THE FLIGHT SYSTEM, PORTABLE BOTTLES, AND LAUNCH TOWER FIRE SYSTEMS.

WITHDRAW THE ISSUE.

THE IOA ASSESSMENT RATIONALE THAT CONSIDERED USE OF THE PORTABLE EXTINGUISHER AS ANOTHER BACKUP IS SUSPECT. IN THE VERTICAL POSITION THE REACH FROM THE AFT AREA TO THE AV BAY FIRE PORTS IS RATHER DIFFICULT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: LS-3148X
 NASA FMEA #: 05-6V-2028-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3148
 ITEM: SW-FIRE SUPPRESSION AV BAY 1, 2, 3 AGENT DISCH

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [NA] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [A]
 INADEQUATE []

REMARKS:

THE FAILURE COUPLED WITH A FAILURE OF THE ONE SECOND TIME DELAY CAN INHIBIT THE DISCHARGE OF THE FIRE SUPPRESSANT CONTAINER. WORST CASE IS DURING ASCENT AND DEORBIT. WITHDRAW THE IOA ISSUE.
 THE FAILURE OF THE ONE SECOND TIME DELAY IS NOT CONSIDERED A CREDIBLE FAILURE FOR THAT DEVICE. THUS THE CIRCUIT IS SUCH THAT THE CAPACITOR BANK WILL CHARGE UP AND DISCHARGE EVEN WITH THIS FAILURE. THE DIFFERENCE IN OPERATION IS THAT THE AGENT DISCH SW DOES NOT NEED TO BE DEPRESSED.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/09/88
 ASSESSMENT ID: LS-3154X
 NASA FMEA #: 05-6V-2253-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3154
 ITEM: DIODE-NO IDENTIFIER

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /1R]	[F]	[P]	[P]	[X]
COMPARE	[/]	[N]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [F] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE AS RUN GROUND TURNAROUND TEST UNDER MOST CONDITIONS WILL NOT
 DETECT THE FAILURE.
 NASA CRITICALITY CHANGED TO AGREE WITH IOA CRITICALITY (A SCREEN,
 F). THE ACCUMULATED RESULTS TABLE (SMOKE) DATED 3/14/88
 INDICATES THE LATEST NASA ANALYSIS AGREES WITH THE IOA ANALYSIS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: LS-3164X
 NASA FMEA #: 05-6V-2203-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3164
 ITEM: HYBRID DRIVER (TYPE I) (3)

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[1 /1] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

PRELAUNCH PORTABLE BOTTLES ARE AVAILABLE TO DISCHARGE SUPPRESSANT INTO THE BAY. THIS IS ALSO TRUE FOR ONORBIT AND LANDING/SAFING. DURING LIFT OFF AND DEORBIT, A FAILURE OF THE PRE-FLIGHT BUS WOULD BE REQUIRED TO ISSUE THE COMMAND VIA THIS FAILURE. WITHDRAW THE IOA ISSUE.
 THE IOA ASSESSMENT RATIONALE THAT CONSIDERED USE OF THE PORTABLE EXTINGUISHER AS ANOTHER BACKUP IS SUSPECT. IN THE VERTICAL POSITION THE REACH FROM THE AFT AREA TO THE AV BAY FIRE PORTS IS RATHER DIFFICULT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/07/88
 ASSESSMENT ID: LS-3166X
 NASA FMEA #: 05-6V-2201-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3166
 ITEM: HYBRID DRIVER (TYPE I) - SMOKE DETECTOR GROUND
 RESET

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE FAILURE IS DETECTABLE THROUGH THE REDUNDANT SENSING CAPABILITY.

WITHDRAW THE IOA ISSUE.

THE DETERMINATION OF ON-ORBIT DETECTABILITY IS AT QUESTION. THE IOA ANALYSIS CONSIDERED THE FAILURE DETECTABLE AND ISOLATABLE UPON SENSOR ACTIVATION; WHERE-AS NASA CONSIDERED IT NON-DETECTABLE BECAUSE IT COULD BE IN EXISTANCE A LONG TIME BEFORE THE SENSOR IS ACTIVATED. THIS IS ANOTHER CASE OF THE APPLICATION OF DETECTABILITY AS DEFINED IN NSTS-22206. IOA ACCEPTS THE NASA ANALYSIS BASED UPON THE HIGHER CRITICALTY WHICH PROVIDES EVEN GREATER VISABILITY INTO THE FAILURE AND ITS EFFECTS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/15/88
 ASSESSMENT ID: LS-3258X
 NASA FMEA #: 06-2-311000-03

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 3258
 ITEM: SMOKE DETECTOR (9)

LEAD ANALYST: J.D. ARBET

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[F]	[F]	[P]	[X]
COMPARE	[N /]	[N]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DURING GROUND TURNAROUND TEST THE ONLY TRUE TEST OF THE CONCENTRATION PARAMETER WOULD BE TO VERIFY A KNOWN CONCENTRATION LEVEL WHICH THE PROCEDURES DO NOT ATTEMPT. SIMILAR LOGIC APPLIES TO THE INFLIGHT CASE.

WITHDRAW THE IOA ISSUE.

THE ISSUE AS DEFINED IS BASED ON A MIS-MATCH OF FAILURES. THE NASA FAILURE IS AN ABSOLUTE FAILURE OF THE CONCENTRATION OUTPUT (i.e. THE SIGNAL THAT IS THE CONCENTRATION LEVEL SENSED INTERNAL TO THE SENSOR). THE IOA FAILURE CONSIDERED THE SENSOR COULD NOT DETECT CHANGES IN CONCENTRATION LEVEL AND ONLY OUTPUT A CONSTANT VALUE WHICH INDICATION WOULD BE GIVEN. BASED UPON THE CONFUSION AND HIGHER CRITICALITY THE NASA CRITICALITY IS ACCEPTED.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5005
 NASA FMEA #: 06-1-1206-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5005
 ITEM: EMU WATER SUPPLY VALVE (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE IOA ANALYSIS #5005. LOSS OF THE FUNCTION TO SEAL THE WATER ON THE LINE DOES NOT LEAD TO LOSS OF FES. A REVALVING OF THE SUPPLY WATER SYSTEM WILL CORRECT THE FAILURE; HOWEVER EVA MISSIONS ARE STILL LOST.
 ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST THE NASA CRITICALITY. BOTH NASA/RI AND IOA ANALYSIS AGREE THAT THE HARDWARE FAILURE MODE SHOULD BE INCLUDED AS A CIL ITEM. THE IOA CONCURS WITH THE IR FUNCTIONAL CRITICALITY ASSIGNED BY NASA/RI IF THE FAILURE EFFECT IS CONSIDERED TO BE LOSS OF CONTINGENCY EVA CAPABILITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5006
 NASA FMEA #: 05-6UA-2008-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5006
 ITEM: EMU WATER SUPPLY SWITCH (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE IOA ANALYSIS #5006. FUNCTIONAL LOSS IS LOSS OF MISSION. THE AIRLOCK IS NOT AN EMERGENCY PIECE OF EQUIPMENT. ASSUMING AN EMERGENCY EVA LOSS OF DUE TO THIS FAILURE IS NOT CORRECT BECAUSE THE LATTER IS A SECOND FAILURE WHICH VIOLATES SPECIFICATION NSTS 22206. FOR WORST CASE ANALYSIS SEE IOA ANALYSIS #5003. ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW AND TO BE CONSISTENT WITH IOA ASSESSMENT #5003, THE IOA CONCURS WITH THE NASA/RI 3/1R EVALUATION, PASSAGE OF SCREENS A AND C, AND EXCLUSION OF THIS FAILURE MODE AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5006A
 NASA FMEA #: 05-6UA-2008-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5006
 ITEM: EMU WATER SUPPLY SWITCH (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[N]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE IOA ANALYSIS #5006. FUNCTIONAL LOSS IS LOSS OF MISSION. THE AIRLOCK IS NOT AN EMERGENCY PIECE OF EQUIPMENT. ASSUMING AN EMERGENCY EVA LOSS DUE TO THIS FAILURE IS NOT CORRECT BECAUSE THE LATTER IS A SECOND FAILURE WHICH VIOLATES SPECIFICATION NSTS 22206. FOR WORST CASE ANALYSIS SEE IOA ANALYSIS #5003. ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW AND TO BE CONSISTENT WITH IOA ASSESSMENT #5003, THE IOA CONCURS WITH THE NASA/RI 3/1R EVALUATION, PASSAGE OF SCREENS A AND C, AND EXCLUSION OF THIS FAILURE MODE AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5009
 NASA FMEA #: 05-6UA-2000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5009
 ITEM: EMU WATER SUPPLY CIRCUIT BREAKER (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SAME SCENARIO (WORST CASE) AS FOR VALVE FAILED CLOSED (#5003).
 NASA DATA IS NOT AVAILABLE, BUT IOA & NASA'A CRITICALITIES ARE
 CONSISTENT WITH #5003 & 06-1A-1206-1 THUS, THE ISSUE FOLLOWS THE
 LOGIC OF ASSESSMENT #5003.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY.
 FROM FURTHER REVIEW AND TO BE CONSISTENT WITH IOA ASSESSMENT
 #5003, THE IOA CONCURS WITH THE NASA/RI 3/1R EVALUATION, PASSAGE
 OF SCREENS A AND C, AND EXCLUSION OF THIS FAILURE MODE AS A CIL
 ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5011
 NASA FMEA #: 06-1-1212-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5011
 ITEM: EMU WASTE WATER VALVE (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE IOA ANALYSIS #5011. PRE 51-L ANALYSIS SAYS LOSS OF REDUNDANCY. HOWEVER, WITH TWO SUITED CREWMAN, THERE IS NO REDUNDANCY, THUS LOSS OF MISSION.
 ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW, THE IOA CONCLUDES THAT THE TWO WMU WASTE WATER VALVES DO PROVIDE REDUNDANCY. THIS SHOULD BE REFLECTED BY ASSIGNING EITHER A 3/1R OR 3/2R CRITICALITY DEPENDING ON WHETHER THE FAILURE EFFECT IS CONSIDERED LOSS OF CONTINGENCY OR LOSS OF PLANNED EVA CAPABILITY. SINCE ALL SCREENS PASS, THE FAILURE MODE WILL BE EXCLUDED AS A CIL ITEM. THEREFORE, THE IOA ACKNOWLEDGES THAT THE NASA/RI EVALUATION IS ACCEPTABLE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5014A
 NASA FMEA #: 05-6UA-2009-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5014
 ITEM: EMU WASTE WATER SWITCH (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SAME SCENARIO (WORST CASE) AS FOR VALVE FAILED CLOSED (#5011),
 (NASA 06-1-1212-1). WITH TWO SUITED CREWMAN THERE IS NO
 REDUNDANCY, THUS MISSION LOSS.
 ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY.
 FROM FUTHER REVIEW, AND TO BE CONSISTENT WITH ASSESSMENT #50011,
 THE IOA ACKNOWLEDGES THAT THE NASA/RI EVALUATION IS ACCEPTABLE
 AND THAT THE FAILURE SHOULD BE EXCLUDED AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5017
 NASA FMEA #: 05-6UA-2001-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5017
 ITEM: EMU WASTE WATER CIRCUIT BREAKER (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE IOA ANALYSIS #5017. ASSUMING TWO CREWMEN THERE IS NO REDUNDANCY FOR EACH CREWMEN. THUS LOSS OF CB FORCES THE VALVE TO REMAIN CLOSED AND LOSS OF MISSION.
 ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FUTHER REVIEW, AND TO BE CONSISTENT WITH ASSESSMENT #50011, THE IOA ACKNOWLEDGES THAT THE NASA/RI EVALUATION IS ACCEPTABLE AND THAT THE FAILURE SHOULD BE EXCLUDED AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5020
 NASA FMEA #: 06-1-1208-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5020
 ITEM: EMU WATER SUPPLY LINES AND FITTING

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE IOA ANALYSIS #5020. FUNCTIONAL LOSS LEADS TO INABILITY TO SERVICE THE EMU'S. HOWEVER, AIRLOCK IS NOT AN EMERGENCY ITEM. FOR FURTHER EXPLANATION SEE ASSESSMENT #5003.
 ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW AND TO BE CONSISTENT WITH ASSESSMENT #5003, THE IOA CONCURS WITH THE NASA/RI 3/1R EVALUATION, PASSAGE OF ALL SCREENS, AND EXCLUSION OF THIS FAILURE MODE AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
ASSESSMENT ID: LS-5022
NASA FMEA #:

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: LIFE SUPPORT
MDAC ID: 5022
ITEM: O2 SUPPLY LINES AND FITTINGS

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

NO EXISTING EQUIVALENT NASA FMEA WAS FOUND FOR THIS FAILURE (SEE IOA ANALYSIS #5022).

ISSUE RESOLUTION: WITHDRAW ISSUE.

THIS SHOULD HAVE REFERENCED NASA FMEA # 06-1C-1510-1 WHICH SHOWS A CRITICALITY OF 1/1. SINCE IT COMBINES ALL LINES & FITTINGS THAT IS THE WORST CASE CRITICALITY. WHEN THE AIRLOCK IS CONSIDERED BY ITSELF THE CRITICALITY IS 2/1R DUE TO ISOLATION CAPABILITIES. THUS THE IOA ANALYSIS WAS TO A FINER LEVEL AND BOTH THE NASA AND IOA CRITICALITIES ARE CORRECT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5025
 NASA FMEA #: 06-1-1201-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5025
 ITEM: EMU O2 SUPPLY VALVE (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE IOA ANALYSIS #5025. ASSUMING A BASELINE OF TWO SUITED CREWMEMBERS AND NO CREW ACTION (RULE 2.3.3.f OF NSTS 22206). TWO CREWMEMBERS SHARING ONE SCU IS NOT A "NOMINAL CREW ACTION", THUS LOSS OF MISSION.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW, THE IOA CONCLUDES THIS FAILURE IS ANALOGOUS TO THE EMU WATER SUPPLY VALVE FAILURE ADDRESSED IN ASSESSMENT # 5003. IT SHOULD BE ASSIGNED A 3/2R CRITICALITY AND EXCLUDED AS A CIL ITEM SINCE ALL REDUNDANCY SCREENS ARE PASSED. THIS FAILURE IS SIMILAR TO THAT LISTED IN LS-5017.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5029
 NASA FMEA #: 06-1-1128-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5029
 ITEM: DEPRESS CAP VENT (1)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

FUNCTIONAL LOSS IS LOSS OF MISSION. THE AIRLOCK IS NOT AN EMERGENCY PIECE OF EQUIPMENT. ASSUMING AN EMERGENCY EVA LOSS DUE TO THIS FAILURE IS NOT CORRECT BECAUSE THE LATTER IS A SECOND FAILURE WHICH VIOLATES SPECIFICATION NSTS 22206. FOR WORST CASE ANALYSIS SEE IOA ANALYSIS #5003.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW, THE IOA CONCLUDES THAT THE TWO EQUALIZATION VALVES ON THE AIRLOCK HATCH LEADING TO THE PAYLOAD BAY PROVIDE REDUNDANCY TO THE AIRLOCK DEPRESS VALVE. THE WORST CASE SCENARIO IS LOSS OF CAPABILITY TO PERFORM CONTINGENCY EVA; THEREFORE, THE IOA ACKNOWLEDGES THE NASA/RI 3/1R EVALUATION, PASSAGE OF ALL SCREENS AND EXCLUSION OF THIS FAILURE MODE AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
ASSESSMENT ID: LS-5031
NASA FMEA #: 06-1-1127-1

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: LIFE SUPPORT
MDAC ID: 5031
ITEM: CAP VENT DEBRIS SCREEN (1)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

FUNCTIONAL LOSS IS LOSS OF MISSION. THE AIRLOCK IS NOT AN EMERGENCY PIECE OF EQUIPMENT. ASSUMING AN EMERGENCY EVA LOSS DUE TO THIS FAILURE IS NOT CORRECT BECAUSE THE LATTER IS A SECOND FAILURE WHICH VIOLATES SPECIFICATION NSTS 22206. FOR WORST CASE ANALYSIS SEE IOA ANALYSIS #5003.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW, THE IOA CONCLUDES THAT THE TWO EQUALIZATION VALVES ON THE AIRLOCK HATCH LEADING TO THE PAYLOAD BAY PROVIDE REDUNDANCY TO THE AIRLOCK DEPRESS VALVE. THE WORST CASE SCENARIO IS LOSS OF CAPABILITY TO PERFORM CONTINGENCY EVA; THEREFORE, THE IOA ACKNOWLEDGES THE NASA/RI 3/1R EVALUATION, PASSAGE OF ALL SCREENS AND EXCLUSION OF THIS FAILURE MODE AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5033
 NASA FMEA #: 06-1-1126-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5033
 ITEM: DEPRESS VALVE (1)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

FUNCTIONAL LOSS IS LOSS OF MISSION. THE AIRLOCK IS NOT AN EMERGENCY PIECE OF EQUIPMENT. ASSUMING AN EMERGENCY EVA LOSS DUE TO THIS FAILURE IS NOT CORRECT BECAUSE THE LATTER IS A SECOND FAILURE WHICH VIOLATES SPECIFICATION NSTS 22206. FOR WORST CASE ANALYSIS SEE IOA ANALYSIS #5003.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW, THE IOA CONCLUDES THAT THE TWO EQUALIZATION VALVES ON THE AIRLOCK HATCH LEADING TO THE PAYLOAD BAY PROVIDE REDUNDANCY TO THE AIRLOCK DEPRESS VALVE. THE WORST CASE SCENARIO IS LOSS OF CAPABILITY TO PERFORM CONTINGENCY EVA; THEREFORE, THE IOA ACKNOWLEDGES THE NASA/RI 3/1R EVALUATION, PASSAGE OF ALL SCREENS AND EXCLUSION OF THIS FAILURE MODE AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5035
 NASA FMEA #: 06-1-1603-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5035
 ITEM: AIRLOCK TO CABIN VENT CAP (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

SEE IOA ANALYSIS #5035. NASA FMEA NOT AVAILABLE. HOWEVER, THERE ARE ONLY TWO EQUALIZATION VALVES, THUS ONLY TWO PIECES OF HARDWARE THAT CAN ALLOW REPRESSURIZATION OF THE AIRLOCK AFTER AN EVA.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW, THE IOA CONCURS WITH THE NASA/RI EVALUATION. THE EQUALIZATION CAPS ARE REMOVED PRIOR TO THE START OF AN EVA, THEREFORE THE WORST CASE EFFECT OF AN INABILITY TO REMOVE THE CAPS ON THE AIRLOCK TO CABIN HATCH WOULD BE LOSS OF CAPABILITY TO PERFORM A CONTINGENCY EVA. THREE PATHS EXIST, THE DEPRESS VALVE AND TWO EQUALIZATION VALVE/CAPS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
ASSESSMENT ID: LS-5040
NASA FMEA #: 06-1-1601-2

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: LIFE SUPPORT
MDAC ID: 5040
ITEM: AIRLOCK TO CABIN EQUALIZATION VALVE (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

WORST CASE SCENARIO HARDWARE LOSS IS VALVE OPEN, CAP DOES NOT MATE. EVA MISSION IS CALLED SHORT/OFF AND FURTHER MISSIONS ARE CANCELLED. THUS FUNCTION LOSS IS LOSS OF EVA MISSION.
ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW, THE IOA AGREES THE WORST SCENARIO WOULD BE LOSS OF CONTINGENCY EVA CAPABILITY (IR FUNCTIONAL CRITICALITY). TO BE CONSISTANT WITH OTHER ANALOGOUS AIRLOCK COMPONENT FAILURES, THE IOA WOULD ASSIGN A LEVEL 3 CRITICALITY TO THE HARDWARE FAILURE. HOWEVER, SINCE THE NASA/RI EVALUATION REPRESENTS A MORE CONSERVATIVE INTERPRETATION AND APPLICATION OF GROUND RULES CONTAINED IN NSTS 22206, THE IOA ACKNOWLEDGES THE 2/1R CRITICALITY AND INCLUSION OF THE HARDWARE FAILURE MODE AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5041
 NASA FMEA #: 06-1-1601-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5041
 ITEM: AIRLOCK TO CABIN EQUALIZATION VALVE (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[2 / 2]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AIRLOCK IS NOT AN EMERGENCY PIECE OF EQUIPMENT. ASSUMING AN EMERGENCY EVA LOSS DUE TO THIS FAILURE IS NOT CORRECT BECAUSE THE LATTER IS A SECOND FAILURE WHICH VIOLATES NSTS 22206. FOR IOA ANALYSIS SEE THE LIFE SUPPORT ID# 5041.
 ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW, THE IOA CONCLUDES THE WORST CASE SCENARIO WOULD BE LOSS OF CONTINGENCY EVA CAPABILITY (1R FUNCTIONAL CRITICALITY). TO BE CONSISTANT WITH OTHER ANALOGOUS AIRLOCK COMPONENT FAILURES, THE IOA WOULD ASSIGN A LEVEL 3 CRITICALITY TO THE HARDWARE FAILURE. HOWEVER, SINCE THE NASA/RI EVALUATION REPRESENTS A MORE CONSERVATIVE INTERPRETATION AND APPLICATION OF GROUND RULES CONTAINED IN NSTS 22206, THE IOA ACKNOWLEDGES THE 1/1 CRITICALITY AND INCLUSION OF THE HARDWARE FAILURE AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5047
 NASA FMEA #: 06-1-1124-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5047
 ITEM: AIRLOCK TO AMBIENT VENT CAP (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DUE TO LIMITED NASA FMEA DATA (ONLY A CRITICALITY SUMMARY WAS AVAILABLE FOR THE POST 51-L NASA ANALYSIS), NO DETAIL ASSESSMENT OF THIS ITEM WAS ATTEMPTED.

ISSUE RESOLUTION: WITHDRAW ISSUE AND INCORPORATE NASA CRITICALITY. FROM FURTHER REVIEW, THE IOA CONCLUDES THE POSSIBILITY OF THE FAILURE OCCURRING IS INDEPENDENT OF WHETHER THE TUNNEL ADAPTER IS ATTACHED AND THAT THE EFFECT OF THIS FAILURE MODE AND ASSOCIATED REDUNDANCY (i.e. LOSS OF AIRLOCK REPRESS CAPABILITY) IS POTENTIALLY CATASTROPHIC. THEREFORE, THE IOA CONCURS WITH THE NASA/RI EVALUATION.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
ASSESSMENT ID: LS-5051
NASA FMEA #: 06-1-1122-2

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: LIFE SUPPORT
MDAC ID: 5051
ITEM: AIRLOCK TO AMBIENT EQUALIZATION VALVE (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

IOA ANALYSIS #5041 ASSUMED THE TUNNEL ADAPTER WAS ATTACHED. WITHOUT THIS THE AIRLOCK WOULD LEAK TO SPACE FORCING EVALUATION BY THE AIRLOCK CREW. THE LEAK CANNOT BE GREATER THAN TWO EQUALIZATION VALVES WIDE OPEN ON THE CABIN SIDE. EACH VALVE ALSO HAS A THREATENED CAP WHICH IS CAPABLE OF A PRESSURE SEAL. WORST CASE SCENARIO IS LOSS OF FURTHER MISSIONS.
ISSUE RESOLUTION: WITHDRAW ISSUE AND INCORPORATE NASA CRITICALITY. FROM FURTHER REVIEW, THE IOA CONCLUDES THE POSSIBILITY OF THE FAILURE OCCURRING IS INDEPENDENT OF WHETHER THE TUNNEL ADAPTER IS ATTACHED AND THAT THE EFFECT OF THIS FAILURE MODE AND ASSOCIATED REDUNDANCY (i.e. LOSS OF AIRLOCK REPRESS CAPABILITY) IS POTENTIALLY CATASTROPHIC. THEREFORE, THE IOA CONCURS WITH THE NASA/RI EVALUATION.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5054
 NASA FMEA #: 06-1-1120-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5054
 ITEM: AIRLOCK TO AMBIENT PRESSURE DIFFERENTIAL (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /2]	[]	[]	[]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DUE TO LIMITED NASA FMEA DATA (ONLY A CRITICALITY SUMMARY WAS AVAILABLE FOR THE POST 51-L NASA ANALYSIS), NO DETAIL ASSESSMENT OF THIS ITEM WAS ATTEMPTED.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST CORRECT NASA CRITICALITY.

FROM FURTHER REVIEW THE IOA CONCLUDES THAT THE INABILITY TO PRESSURIZE THE AIRLOCK BECAUSE OF EXTERNAL LEAKAGE THROUGH THE EQUALIZATION VALVE IS POTENTIALLY CATASTROPHIC (IF FAILURE OCCURS WHILE EVA IS UNDERWAY). THEREFORE, THE IOA CONCURS WITH THE NASA/RI EVALUATION.

NOTE: THE NASA CRITICALITY ASSIGNED TO THIS FAILURE MODE IS 2/1R VS. 2/2 ERRONEOUSLY SHOWN ON THE ORIGINAL ASSESSMENT WORKSHEET. (REDUNDANCY SCREENS ARE PPP).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5054A
 NASA FMEA #: 06-1-1121-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5054
 ITEM: AIRLOCK TO AMBIENT PRESSURE DIFFERENTIAL (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[]	[]	[]	[X] *
IOA	[3 / 2R]	[P]	[P]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 / 1R] [P] [P] [P] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DUE TO LIMITED NASA FMEA DATA (ONLY A CRITICALITY SUMMARY WAS AVAILABLE FOR THE POST 51-L NASA ANALYSIS), NO DETAIL ASSESSMENT OF THIS ITEM WAS ATTEMPTED.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST CORRECT NASA CRITICALITY.

FROM FURTHER REVIEW THE IOA CONCLUDES THAT THE INABILITY TO PRESSURIZE THE AIRLOCK BECAUSE OF EXTERNAL LEAKAGE THROUGH THE EQUALIZATION VALVE IS POTENTIALLY CATASTROPHIC (IF FAILURE OCCURS WHILE EVA IS UNDERWAY). THEREFORE, THE IOA CONCURS WITH THE NASA/RI EVALUATION.

NOTE: THE NASA CRITICALITY ASSIGNED TO THIS FAILURE MODE IS 2/1R VS. 2/2 ERRONEOUSLY SHOWN ON THE ORIGINAL ASSESSMENT WORKSHEET. (REDUNDANCY SCREENS ARE PPP).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5055
 NASA FMEA #: 05-6UA-2008-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5055
 ITEM: EMU POWER/BATTERY CHARGER BUS SELECT SWITCH (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DUE TO LIMITED NASA FMEA DATA (ONLY A CRITICALITY SUMMARY WAS AVAILABLE FOR THE POST 51-L NASA ANALYSIS), NO DETAIL ASSESSMENT OF THIS ITEM WAS ATTEMPTED. THERE IS NO REDUNDANCY TO EACH OF THE SWITCH/SYSTEMS.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST PROPER NASA CRITICALITY. THIS ITEM WAS INITIALLY ASSESSED AGAINST THE WRONG CIL. THE PROPER NASA CIL LISTS A CRITICALITY OF 2R/3. FROM FURTHER REVIEW, THE IOA CONCLUDES THAT THE CRITICALITY IF THE HARDWARE FAILURE DEPENDS ON THE STATUS OF THE ASSOCIATED EMU BATTERY AND THAT THE WORST CASE SCENARIO IF ALL REDUNDANCY WERE TO FAIL IS LOSS OF CAPABILITY TO PERFORM EVA AFTER THE BATTERIES ARE DEPLETED. THEREFORE, THE IOA RECOMMENDS THE FLIGHT CRITICALITY BE 3/2R, WITH PASSAGE OF A AND C SCREEN AND EXCLUSION OF THIS FAILURE MODE AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
ASSESSMENT ID: LS-5056
NASA FMEA #:

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: LIFE SUPPORT
MDAC ID: 5056
ITEM: EMU POWER/BATTERY CHARGER RPC (4)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 2]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 2R] [P] [NA] [P] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

THERE WAS NO NASA ALSS FMEA WHICH MATCHED THE IOA DESCRIPTION.
THE NASA ANALYSIS MAY BE COMBINED WITH SOME OTHER HARDWARE OR
REALLOCATED TO ANOTHER SUBSYSTEM.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST PROPER NASA
CRITICALITY.

FROM FURTHER REVIEW THE IOA EVALUATION OF THIS FAILURE MODE IS
DOWNGRADED FROM 2/2 TO 3/2R. THE A AND C SCREENS PASS AND B
SCREEN IS N/A. THEREFORE, THE FAILURE MODE SHOULD BE EXCLUDED AS
A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
ASSESSMENT ID: LS-5059
NASA FMEA #:

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: LIFE SUPPORT
MDAC ID: 5059
ITEM: EMU POWER/BATTERY CHARGER POWER SUPPLY (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 2]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 2R] [P] [NA] [P] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

THERE WAS NO NASA ALSS FMEA WHICH MATCHED THE IOA DESCRIPTION. THE NASA ANALYSIS MAY BE COMBINED WITH SOME OTHER HARDWARE OR REALLOCATED TO ANOTHER SUBSYSTEM.
ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST PROPER NASA CRITICALITY.
FROM FURTHER REVIEW THE IOA EVALUATION OF THIS FAILURE MODE IS DOWNGRADED FROM 2/2 TO 3/2R. THE A AND C SCREENS PASS AND B SCREEN IS N/A. THEREFORE, THE FAILURE MODE SHOULD BE EXCLUDED AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
ASSESSMENT ID: LS-5060
NASA FMEA #:

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: LIFE SUPPORT
MDAC ID: 5060
ITEM: EMU POWER/BATTERY CHARGER POWER SUPPLY (2)

LEAD ANALYST: R.E. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 2]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 2R] [P] [NA] [P] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

THERE WAS NO NASA ALSS FMEA WHICH MATCHED THE IOA DESCRIPTION.
THE NASA ANALYSIS MAY BE COMBINED WITH SOME OTHER HARDWARE OR
REALLOCATED TO ANOTHER SUBSYSTEM.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST PROPER NASA
CRITICALITY.

FROM FURTHER REVIEW THE IOA EVALUATION OF THIS FAILURE MODE IS
DOWNGRADED FROM 2/2 TO 3/2R. THE A AND C SCREENS PASS AND B
SCREEN IS N/A. THEREFORE, THE FAILURE MODE SHOULD BE EXCLUDED AS
A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5089X
 NASA FMEA #: 06-1-1402-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5089
 ITEM: LCG SUPPLY & RETURN, LINES & FITTINGS

LEAD ANALYST: R. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

(RESTRICTED FLOW) LOSS OF MISSION DUE TO INABILITY TO PERFORM FUNCTION. ASSUMING A TWO MAN CREW (BASELINE MISSION), RECOVERY CANNOT BE PERFORMED SINCE EACH SCU CONNECTION HAS NO REDUNDANCY AND SHARING ONE SCU WOULD BE CREW ACTION WHICH IS AGAINST SPEC NSTS 22206. THE AIRLOCK IS NOT AN EMERGENCY ITEM. FOR FURTHER CLARIFICATION SEE ASSESSMENT #5003.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY. FROM FURTHER REVIEW, THE IOA CONCLUDES THE WORST CASE SCENARIO FOR RESTRICTED FLOW THROUGH THE LCVG LINES & FITTINGS WOULD BE INADEQUATE COOLING TO A STANDBY CREWMAN CONNECTED TO AN SCU DURING A SCHEDULED OR UNSCHEDULED EVA. THEREFORE, THE IOA CONCURS WITH THE NASA/RI EVALUATION, PASSAGE OF ALL SCREENS, AND EXCLUSION OF THIS FAILURE MODE AS A CIL ITEM. EVEN THOUGH MISSION CAPABILITY IS LOST, IT WOULD STILL BE POSSIBLE FOR ONE CREWMAN TO PERFORM A CONTINGENCY EVA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5090X
 NASA FMEA #: 06-1-1209-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5090
 ITEM: EMU WASTE WATER LINE & FITTINGS

LEAD ANALYST: R. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

(RESTRICTED FLOW)
 ASSUMING A TWO MAN CREW, THE FAILURE CAUSES LOSS OF MISSION SINCE
 THERE IS NO REDUNDANCY FOR EACH CREWMAN.
 ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICALITY.
 FROM FURTHER REVIEW THE IOA CONCLUDES THAT LOSS OF MISSION WOULD
 BE WORST CASE SCENARIO BUT THAT THE SECOND SCU IN THE AIRLOCK
 DOES PROVIDE REDUNDANCY FOR THE STANDBY CREWMAN DURING AN EVA.
 THEREFORE, THE IOA CONCURS WITH THE NASA/RI EVALUATION AND THE
 EXCLUSION OF THIS FAILURE MODE AS A CIL ITEM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 3/08/88
 ASSESSMENT ID: LS-5094X
 NASA FMEA #: 06-1-1124-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: LIFE SUPPORT
 MDAC ID: 5094
 ITEM: AIRLOCK TO AMBIENT CAP

LEAD ANALYST: R. DUFFY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[/NA]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

(EXTERNAL LEAK)

THIS FAILURE IS NOT REALISTIC SINCE THIS VALVE WOULD NOT BE USED DURING A NORMAL MISSION.

ISSUE RESOLUTION: WITHDRAW ISSUE AND LIST NASA CRITICLAITY. FROM FURTHER REVIEW THE IOA CONCLUDES THAT IF THE OUTER HATCH EQUALIZATION VALVES AND CAPS LEAK, IT MAY NOT BE POSSIBLE TO REPRESSURIZE THE AIRLOCK AFTER AN EVA. THIS COULD CAUSE LOSS OF CREW. THE FAILURE COULD ALSO CAUSE THE LOSS OF CAPABILITY TO PERFORM A CONTINGENCY EVA. THEREFORE, THE IOA AGREES WITH THE NASA/RI EVALUATION OF THIS FAILURE MODE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: ATCS-1004
 NASA FMEA #: 06-3-0102-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 1004
 ITEM: INLET FILTER (ACCUMULATOR)

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[N]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE WAS DISCUSSED WITH THE SUBSYSTEM MANAGER, HANK ROTTER, ON 5/5/88. HANK'S DATA INDICATES THAT A RUPTURE OF THIS FILTER WILL RESULT IN THE FILTER ELEMENTS ACCUMULATING ON THE FILTER OF THE WORKING PUMP ONLY - LEAVING THE SECOND PUMP CLEAR AND OPERATIONAL. THIS WILL MAKE THE CRITICALITY 3/1R. IOA AGREES WITH THIS ANALYSIS AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: ATCS-1006
 NASA FMEA #: 06-3-0112-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 1006
 ITEM: SELF-SEALING DISCONNECT

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[F]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA COMBINES ALL DISCONNECTS ASSOCIATED WITH THE PUMP PACKAGE INTO ONE FMEA EVALUATED AT THE WORST CASE CRITICALITY. FOR BETTER CLARITY, EACH DISCONNECT SHOULD BE EVALUATED SEPARATELY. HOWEVER, SINCE THE NASA FMEA DOES CARRY THE WORST CASE CRITICALITY, IOA WILL AGREE WITH THE FMEA AND WITHDRAW THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: ATCS-1025
 NASA FMEA #: 06-3-0301-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 1025
 ITEM: HYDRAULIC HEAT EXCHANGER

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA'S RE-EVALUATION OF THE FMEA CRITICALITY HAS RESULTED IN AGREEMENT WITH IOA. ISSUE IS CLOSED.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: ATCS-1027
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: ATCS
 MDAC ID: 1027
 ITEM: HYDRAULIC HEAT EXCHANGERS

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

UPON RE-EVALUATION, IOA FEELS THAT THIS FAILURE IS A PART OF NASA FMEA 06-3-0301-3. IOA WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: ATCS-1035
 NASA FMEA #: 06-3-0304-5

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 1035
 ITEM: GSE HEAT EXCHANGER

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS OF THIS ITEM. IOA CONCURS WITH THIS CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: ATCS-1037
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: ATCS
 MDAC ID: 1037
 ITEM: O2 RESTRICTOR

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA DEEMED THIS TO BE A NON-CREDIBLE FAILURE MODE REQUIRING TWO SEPARATE FAILURES (06-3-0250-1). UPON RE-EXAMINATION OF AVAILABLE DATA, IOA AGREES WITH NASA AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: ATCS-1038
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: ATCS
 MDAC ID: 1038
 ITEM: O2 RESTRICTOR

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA DEEMED THIS TO BE A NON-CREDIBLE FAILURE MODE REQUIRING TWO SEPARATE FAILURES (06-3-0250-1). UPON RE-EXAMINATION OF AVAILABLE DATA, IOA AGREES WITH NASA AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
ASSESSMENT ID: ATCS-1043
NASA FMEA #:

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: ATCS
MDAC ID: 1043
ITEM: ARS INTERCHANGER HEAT EXCHANGER

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

THIS FMEA WAS COVERED BY NASA IN THEIR ASSESSMENT OF THE ARS,
NASA FMEA 06-1-0505-1 WITH CRIT 2/1R IS THE EQUIVALENT ITEM.
MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: ATCS-1045
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: ATCS
 MDAC ID: 1045
 ITEM: ARS INTERCHANGER HEAT EXCHANGER

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[F]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FAILURE WAS COVERED BY NASA DURING THEIR ASSESSMENT OF THE ARS, NASA FMEA 06-1-0505-2 IS THE EQUIVALENT FAILURE. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: ATCS-1053
 NASA FMEA #: 06-3-0223-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 1053
 ITEM: PAYLOAD HEAT EXCHANGER

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[]	[]	[]	[X] *
IOA	[2 / 1R]	[P]	[P]	[P]	[X]
COMPARE	[/ N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FAILURE WAS DISCUSSED WITH THE SUBSYSTEM MANAGER, HANK ROTTER, ON 5/5/88. ANALYSIS HAS SHOWN THAT SUFFICIENT FLOW CAPACITY EXISTS IN THE OTHER PORTION OF THE LOOP TO COMPENSATE FOR A COMPLETELY BLOCKED PAYLOAD LOOP. THIS WILL LOWER THE CRITICALITY TO 2/2. IOA AGREES WITH THIS ANALYSIS AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/12/88
 ASSESSMENT ID: ATCS-2003
 NASA FMEA #: 06-3-0502-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 2003
 ITEM: FLOW CONTROL VALVE

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[/]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DURING THE INITIAL ASSESSMENT, IOA ERRONEOUSLY CHANGED THE CRITICALITY OF THIS ITEM TO A HIGHER THAN REQUIRED VALUE. ADDITIONAL DATA AND CLOSER EXAMINATION HAVE CONVINCED IOA THAT THE LOWER CRITICALITY IS MORE APPROPRIATE. IOA WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/13/88
 ASSESSMENT ID: ATCS-2007A
 NASA FMEA #: 06-3-0504-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 2007
 ITEM: BYPASS VALVE

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 2R]	[P]	[NA]	[P]	[] *
IOA	[3 / 2R]	[P]	[P]	[P]	[]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 / 2] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 DURING THE INITIAL ASSESSMENT, IOA ERRONEOUSLY CHANGED THE
 CRITICALITY OF THIS ITEM TO A HIGHER THAN REQUIRED VALUE.
 ADDITIONAL DATA AND CLOSER EXAMINATION HAVE CONVINCED IOA THAT
 THE LOWER CRITICALITY IS MORE APPROPRIATE. MDAC WITHDRAWS THE
 ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/13/88
 ASSESSMENT ID: ATCS-2008A
 NASA FMEA #: 06-3-0504-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 2008
 ITEM: BYPASS VALVE

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[/N]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DURING THE INITIAL ASSESSMENT, IOA ERRONEOUSLY CHANGED THE CRITICALITY OF THIS ITEM TO A HIGHER THAN REQUIRED VALUE. ADDITIONAL DATA AND CLOSER EXAMINATION HAVE CONVINCED IOA THAT THE LOWER CRITICALITY IS MORE APPROPRIATE. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/13/88
 ASSESSMENT ID: ATCS-2010
 NASA FMEA #: 06-3-0504-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 2010
 ITEM: MOTOR (BYPASS VALVE)

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DISCUSSION WITH THE SUBSYSTEM MANAGER, HANK ROTTER ON 5/8/88, HAS REVEALED SUFFICIENT LEVELS OF REDUNDANCY TO LOWER THE CRITICALITY TO 3/1R. IOA AGREES WITH THE SUBSYSTEM MANAGER'S ANALYSIS AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/12/88
 ASSESSMENT ID: ATCS-2017
 NASA FMEA #: 05-6W-2034-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 2017
 ITEM: SWITCH 26 (RADIATOR CONTROL LOOP)

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THIS CONSERVATIVE APPROACH AND AGREES WITH THE ASSIGNED CRITICALITIES. MDAC WITHDRAWS THE ISSUE. (NEW FMEA NO. 05-6WC-1002-1 WITH CRIT. 2/2).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/12/88
 ASSESSMENT ID: ATCS-2028
 NASA FMEA #: 05-6W-2036-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 2028
 ITEM: SWITCH 29 (RADIATOR MANUAL SELECT)

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA'S RE-EVALUATION OF THE CRITICALITY ASSIGNED TO THIS ITEM HAS
 REMOVED IT FROM THE CIL BY GIVING IT A NON-CIL RANKING.
 THEREFORE, THE ISSUE NO LONGER EXISTS. (NEW FMEA NO. 05-6WC-
 1005-1 WITH CRIT 3/1R).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/16/87
 ASSESSMENT ID: ATCS-3019
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: ATCS
 MDAC ID: 3019
 ITEM: HI LOAD EXIT DUCT

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 1R]	[P]	[NA]	[P]	[X]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FAILURE WAS DISCUSSED WITH THE SUBSYSTEM MANAGER, HANK ROTTER, ON 5/5/88. HANK INDICATES THAT EXTERNAL LEAKAGE OF STEAM/WATER FROM THE EXIT DUCT OCCURS DURING NORMAL OPERATIONS AND HAS NO EFFECT. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/16/87
 ASSESSMENT ID: ATCS-3030
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: ATCS
 MDAC ID: 3030
 ITEM: HI LOAD NOZZLE

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FAILURE WAS DISCUSSED WITH THE SUBSYSTEM MANAGER, HANK ROTTER, ON 5/5/88. HANK INDICATES THAT EXTERNAL LEAKAGE OF STEAM/WATER FROM THE NOZZLE OCCURS DURING NORMAL OPERATIONS AND HAS NO EFFECT. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
 ASSESSMENT ID: ATCS-3040
 NASA FMEA #: 06-3-0327-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3040
 ITEM: TOPPING EVAPORATOR INTEGRAL PULSER/SHUTOFF
 VALVE/NOZZLE

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE CONSERVATIVE APPROACH AND CONCURS WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/16/87
 ASSESSMENT ID: ATCS-3046
 NASA FMEA #: 06-3-0311-5

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3046
 ITEM: TOPPING EVAPORATOR WATER VALVE/NOZZLE MOUNTING
 PLATE

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA GROUPS ALL FAILURES WHICH RESULT IN A LEAKAGE OF FREON INTO THE FES CORE INTO ONE FMEA. ALTHOUGH IOA WOULD ORDINARILY RECOMMEND A SEPARATION OF THE FAILURES, THE NASA FMEA DOES CORRECTLY CARRY THE WORST CASE CRITICALITY. IOA ACCEPTS THIS APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/16/87
 ASSESSMENT ID: ATCS-3048
 NASA FMEA #: 06-3-0311-5

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3048
 ITEM: TOPPING EVAPORATOR CORE

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA GROUPS ALL FAILURES WHICH RESULT IN A LEAKAGE OF FREON INTO THE FES CORE INTO ONE FMEA. ALTHOUGH IOA WOULD ORDINARILY RECOMMEND A SEPARATION OF THE FAILURES, THE ONE NASA FMEA DOES CORRECTLY CARRY THE WORST CASE CRITICALITY. IOA ACCEPTS THIS APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: ATCS-3049
 NASA FMEA #: 06-3-0323-5

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3049
 ITEM: TOPPING EVAPORATOR CORE

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE HIGHER CRITICALITY AND WITHDRAWS THE ISSUE BASED ON THIS CONSERVATISM.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/16/87
 ASSESSMENT ID: ATCS-3050
 NASA FMEA #: 06-3-0311-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3050
 ITEM: TOPPING EVAPORATOR ANTI CARRYOVER DEVICE

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA GROUPS ALL FMEAs INVOLVING A RESTRICTED FLOW OF FREON INTO ONE FAILURE. WHEN THE RESTRICTION IS IN THE ACOD, THERE IS NO AFFECT ON THE EVAPORATOR OR FREON LOOP OPERATION. ALTHOUGH IOA WOULD ORDINARILY RECOMMEND A SEPARATION OF THE FAILURES, THE NASA FMEA DOES CORRECTLY CARRY THE WORST CASE CRITICALITY. IOA ACCEPTS THIS APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
 ASSESSMENT ID: ATCS-3055
 NASA FMEA #: 06-3-0327-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3055
 ITEM: TOPPING EVAPORATOR - EXIT DUCT - ZONE D, E, F,
 AND H HEATERS

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND AGREES WITH THE HIGHER CRITICALITY. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
 ASSESSMENT ID: ATCS-3057
 NASA FMEA #: 06-3-0327-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3057
 ITEM: TOPPING EVAPORATOR - EXIT DUCT - ZONE D, E, F,
 AND H THERMOSTATS

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA CONCURS WITH THE MORE CONSERVATIVE APPROACH AND AGREES WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/16/87
 ASSESSMENT ID: ATCS-3060
 NASA FMEA #: 06-3-0313-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3060
 ITEM: TOPPING EVAPORATOR - RH AND LH SONIC NOZZLES

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[NA]	[NA]	[]
COMPARE	[N /N]	[]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF REDUNDANCY DURING THEIR ANALYSIS. IOA CONCURS WITH THE CONSERVATIVE APPROACH AND ACCEPTS THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/18/87
 ASSESSMENT ID: ATCS-3067
 NASA FMEA #: 06-3-0330-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3067
 ITEM: FES FEEDLINE A/B FROM WATER SUPPLY TO
 WATER/VALVE NOZZLE ASSEMBLIES

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FAILURE WAS DISCUSSED WITH THE SUBSYSTEM MANAGER, HANK ROTTER, ON 5/5/88. THE ISSUES RAISED BY MDAC WILL BE USED BY THE SSM TO PUSH FOR A DESIGN CHANGE IN THE SYSTEM. HOWEVER, LEVEL II DIRECTION HAS DICTATED THAT THE CRITICALITY REMAIN A 3/1R. BASED ON THIS DATA, MDAC WILL WITHDRAW THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/30/87
 ASSESSMENT ID: ATCS-3076A
 NASA FMEA #: 06-3-0330-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3076
 ITEM: FES FEEDLINE ACCUMULATOR STATUS MONITOR

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS IOA CONCURS WITH THE CONSERVATIVE APPROACH AND ACCEPTS THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: ATCS-3079
 NASA FMEA #: 05-6W-2028-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3079
 ITEM: FES CONTROLLER - SWITCH

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FAILURE WAS DISCUSSED WITH THE SSM, HANK ROTTER, ON 5/5/88 WHO AGREED, IN THEORY WITH THE MDAC CRITICALITIES OF 2/1R. HOWEVER, LEVEL II DIRECTION HAS DICTATED THAT THE FAILURE REMAIN AT THE CURRENT CRITICALITY. THEREFORE, MDAC WILL WITHDRAW THE ISSUE. (NEW FMEA NO. 05-6WE-1002-3).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/22/87
 ASSESSMENT ID: ATCS-3079A
 NASA FMEA #: 05-6W-2030-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 3079
 ITEM: FES CONTROLLER - SWITCH

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [NA] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FAILURE WAS DISCUSSED WITH THE SSM, HANK ROTTER, ON 5/5/88 WHO AGREED, IN THEORY WITH THE MDAC CRITICALITIES OF 2/1R. HOWEVER, LEVEL II DIRECTION HAS DICTATED THAT THE FAILURE REMAIN AT THE CURRENT CRITICALITY. THEREFORE, MDAC WILL WITHDRAWN THE ISSUE. (NEW FMEA NO. 05-6WE-1002-3, CRIT 3/1R).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/04/88
 ASSESSMENT ID: ATCS-4006
 NASA FMEA #: 06-3-0411-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 4006
 ITEM: AMMONIA CONTROLLER A

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[3 /3]	[P]	[NA]	[P]	[X]
COMPARE	[/N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[1 /1] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IN ORDER FOR THE PREMATURE OPERATION OF THE CONTROLLER TO OCCUR,
 A SECOND FAILURE MUST HAPPEN. IOA WITHDRAWS THE ISSUE. (NOTES
 BASED ON DISCUSSION WITH SUBSYSTEM MANAGER).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/04/88
 ASSESSMENT ID: ATCS-4007
 NASA FMEA #: 06-3-0410-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 4007
 ITEM: FLOW CONTROL VALVE (N.O.)

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[3 /3]	[P]	[NA]	[P]	[X]
COMPARE	[/N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/04/88
 ASSESSMENT ID: ATCS-4027
 NASA FMEA #: 05-6W-2201-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 4027
 ITEM: HYBRID DRIVER (POWER-PRI/GPC)

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

RE-EVALUATION BY IOA WILL PERMIT AGREEMENT WITH NASA
 CRITICALITIES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: ATCS-11115X
 NASA FMEA #: 06-3-0304-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 11115
 ITEM: GSE HEAT EXCHANGER

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS OF THIS ITEM. IOA AGREES WITH THE CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: ATCS-11116X
 NASA FMEA #: 06-3-0305-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 11116
 ITEM: GSE HEAT EXCHANGER, FLUID CONNECTOR

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS OF THIS ITEM. IOA AGREES WITH THE CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: ATCS-11118X
 NASA FMEA #: 06-3-0305-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 11118
 ITEM: GSE HEAT EXCHANGER, FLUID CONNECTOR

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION FOR FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS OF THIS ITEM. IOA AGREES WITH THIS CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/07/88
 ASSESSMENT ID: ATCS-11121X
 NASA FMEA #: 05-6W-2041-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 11121
 ITEM: SW10, 11 (FREON SIGNAL CONDITIONER)

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 2]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA AGREES WITH THIS CONSERVATIVE APPROACH AND ACCEPTS THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/04/88
 ASSESSMENT ID: ATCS-14032X
 NASA FMEA #: 06-3-0408-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ATCS
 MDAC ID: 14032
 ITEM: TANK ISOLATION VALVE (NC)

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

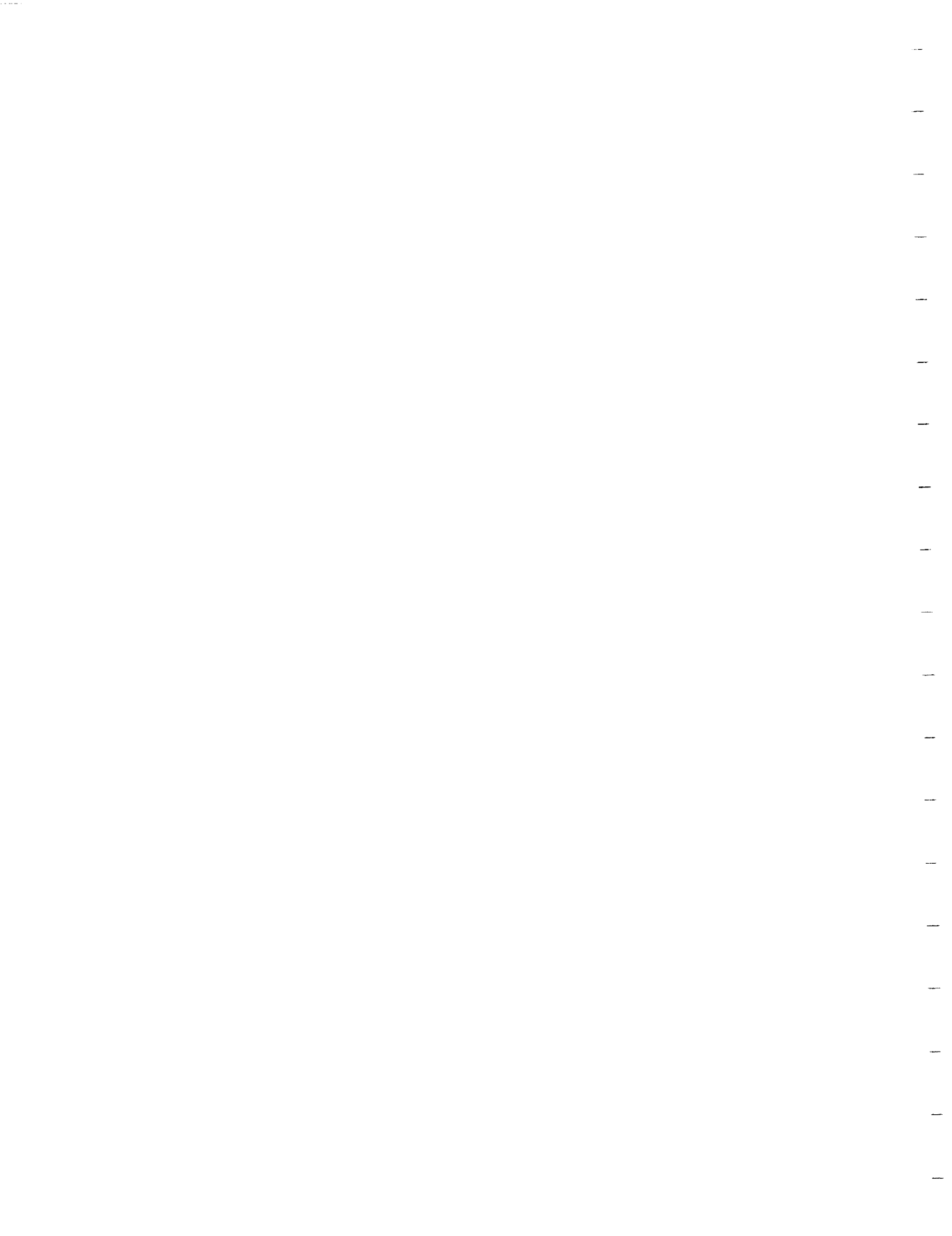
[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA ORIGINALLY ASSIGNED HIGHER THAN REQUIRED CRITICALITIES OF THIS FMEA. RE-EVALUATION WILL PUT IOA IN AGREEMENT WITH NASA CRITICALITIES.



SECTION C.5
CREW EQUIPMENT SUBSYSTEM

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 11/18/87
 ASSESSMENT ID: CRWEQP-2201
 NASA FMEA #: JSC17067B-1A

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: CREW EQUIPMENT
 MDAC ID: 2201
 ITEM: EXTENDED RANGE CREWMEMBER SAFETY TETHER-SMALL
 HOOK

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA FMEA HAS LUMPED THE FAILURE TO CLOSE INTO THE "HOOK BREAKS OR JAMS OPEN" FAILURE. NASA, THEREFORE, UTILIZES A MORE CONSERVATIVE DEFINITION OF FAILURE AND FUNCTION DURING THEIR ANALYSIS. IOA ACCEPTS THIS CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 11/18/87
 ASSESSMENT ID: CRWEQP-2301
 NASA FMEA #: JSC17067B-2A

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: CREW EQUIPMENT
 MDAC ID: 2301
 ITEM: WAIST TETHER-HOOKS

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FAILURE IS UNDER NASA FMEA FAILURE "EITHER HOOK LATCH JAMS OPEN". NASA, THEREFORE, UTILIZES A MORE CONSERVATIVE DEFINITION OF FAILURE AND FUNCTION DURING THEIR ANALYSIS. IOA ACCEPTS THIS CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/02/87
 ASSESSMENT ID: CRWEQP-3301
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: CREW EQUIPMENT
 MDAC ID: 3301
 ITEM: 3-POINT LATCH TOOL HOOK

LEAD ANALYST: L. GRAHAM, S. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

UPON RE-EXAMINATION OF AVAILABLE DATA, IOA AGREES THAT THIS FAILURE IS COVERED IMPLICITLY IN THE NASA FMEA PACKAGE. IOA WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 11/22/87
 ASSESSMENT ID: CRWEQP-3413
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: CREW EQUIPMENT
 MDAC ID: 3413
 ITEM: EVA WINCH AND MOUNT ASSEMBLY MOUNTING PLATE
 ASSEMBLY

LEAD ANALYST: L. GRAHAM, S. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

UPON RE-EXAMINATION OF AVAILABLE DATA, IOA AGREES THAT THIS FAILURE IS COVERED IMPLICITLY IN THE NASA FMEA PACKAGE. IOA WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 12/10/87
 ASSESSMENT ID: CRWEQP-16409X
 NASA FMEA #: TREADMILL 1B

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: CREW EQUIPMENT
 MDAC ID: 16409
 ITEM: TREADMILL QUICK DISCONNECT

LEAD ANALYST: S.K. SINCLAIR

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA CONCURS AND WITHDRAWS THE ISSUE.

SECTION C.6
INSTRUMENTATION SUBSYSTEM

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
 ASSESSMENT ID: INSTR-305X
 NASA FMEA #: 05-5-B03-7-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: INSTRUMENTATION
 MDAC ID: 305
 ITEM: MDM OF4, OA1, OA2, OA3

LEAD ANALYST: A.W. ADDIS

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /2]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA 111 WAS INADVERTENTLY OVERWRITTEN BY IOA EPD&C 111 AND IS BEING RESTORED AS IOA INSTR-305X. THESE MDM'S PROCESS/ROUTE CRITICAL APU STATUS DATA. ERRONEOUS OUTPUT FALSELY INDICATING A HEATER STUCK ON COULD PROMPT MANUAL SHUTDOWN OF AN APU, REQUIRING ABORT. FAILS SCREEN B BECAUSE FAILED MDM CHANNEL COULD NOT BE DETECTED. NOTE: NASA FMEA WRITEUP IS INCONSISTENT WITH 2/2 CRIT AND ASSIGNS SCREENS FOR THAT 2/2 CRIT.

CIL ISSUE RESOLUTION:

A. ACCEPT NASA'S CRITICALITY PER IOA GROUND RULES. ISSUE WITHDRAWN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
 ASSESSMENT ID: INSTR-306X
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: INSTRUMENTATION
 MDAC ID: 306
 ITEM: MDM OF3

LEAD ANALYST: A.W. ADDIS

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 2]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA 116 WAS INADVERTENTLY OVERWRITTEN BY IOA EPD&C 116 AND IS BEING RESTORED AS IOA INSTR-306X. FOR PRESENT FUEL CELLS, MDM OF3 HANDLES CRITICAL FUEL CELL MEASUREMENTS FOR WHICH THERE IS NO REDUNDANT PATH (SE IOA 306X). LOSS OF THESE MEASUREMENTS WOULD REQUIRE MISSION TERMINATION.

CIL ISSUE RESOLUTION:

A. MDM'S ASSESSED BY DPS. NO CIL ISSUES ON OF1, OF2 OR OF3 MDM'S. NOT CARRIED BECAUSE FUEL CELL SUBSYSTEM ANALYSIS SHOWED THAT REDUNDANCY FOR ALL MEASUREMENTS EXIST. MCR PRESENTED TO RE-CHANNEL EACH FUEL CELL TO DIFFERENT MDM. MCR NOT APPROVED. DPS HAS NOT WRITTEN FMEA YET. IOA CONCURS WITH NASA. ISSUE WITHDRAWN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
 ASSESSMENT ID: INSTR-307X
 NASA FMEA #: NONE

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: INSTRUMENTATION
 MDAC ID: 307
 ITEM: MDM OF3

LEAD ANALYST: A.W. ADDIS

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 2]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 / 2] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA 117 WAS INADVERTENTLY OVERWRITTEN BY IOA EPD&C 117 AND IS BEING RESTORED AS IOA INSTR-307X. FOR PRESENT FUEL CELLS, MDM OF3 HANDLES CRITICAL FUEL CELL MEASUREMENTS FOR WHICH THERE IS NO REDUNDANT PATH (SE IOA 307X). ERRONEOUS MEASUREMENTS COULD CAUSE IMPROPER MANUAL SHUTDOWN OF A FUEL CELL, REQUIRING UNNECESSARY MISSION TERMINATION.

CIL ISSUE RESOLUTION:

A. MDM'S ASSESSED BY DPS. NO CIL ISSUES ON OF1, OF2, OR OF3 MDMS. NOT CARRIED BECAUSE FUEL CELL SUBSYSTEM ANALYSIS REVEALED THAT REDUNDANCY FOR ALL MEASUREMENTS EXIST. MCR PRESENTED TO RECHANNEL EACH FUEL CELL TO DIFFERENT MDMS. MCR NOT APPROVED. DPS HAS NOT WRITTEN THE FMEA YET. IOA CONCURS WITH NASA. ISSUE WITHDRAWN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: INSTR-309X
NASA FMEA #: NONE

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: INSTRUMENTATION
MDAC ID: 309
ITEM: MDM OF1, OF2

LEAD ANALYST: A.W. ADDIS

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 2]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [A]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

IOA 119 WAS INADVERTENTLY OVERWRITTEN BY IOA EPD&C 119 AND IS BEING RESTORED AS INSTR-309X. FOR PRESENT FUEL CELLS SYSTEM MDMS OF1 AND OF2 HANDLE CRITICAL FUEL CELL DELTA VOLTAGE MEASUREMENTS (SEE IOA 309). ERRONEOUS MDM OUTPUT COULD CAUSE A FALSE INDICATION OF FUEL CELL MALFUNCTION AND COULD PROMPT A MANUAL FUEL CELL SHUT DOWN THAT COULD CAUSE MISSION LOSS.

CIL ISSUE RESOLUTION:

A. MDM'S ASSESSED BY DPS. NO CIL ISSUES ON OF1, OF2, OR OF3 MDMS. NOT CARRIED BECAUSE FUEL CELL SUBSYSTEM FEELS THAT REDUNDANCY FOR ALL MEASUREMENTS EXIST. MCR PRESENTED TO RE-CHANNEL EACH FUEL CELL TO DIFFERENT MDMS. MCR NOT APPROVED. DPS HAS NOT WRITTEN THE FMEA YET. IOA CONCURS WITH NASA. ISSUE WITHDRAWN.

SECTION C.7
DATA PROCESSING SUBSYSTEM

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 10/06/86
ASSESSMENT ID: DPS-108
NASA FMEA #: 05-5-B03-2-1

NASA DATA:
BASELINE [X]
NEW []

SUBSYSTEM: DPS
MDAC ID: 108
ITEM: MDM FF1, FF2, FF3, FF4

LEAD ANALYST: W. A. Haufler

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

THIS FAILURE MODE "FALSELY STUCK ON BUSY MODE" IS CONSIDERED TO BE COVERED BY THIS ROCKWELL FMEA WITH FAILURE MODE "NO OUTPUT: FAILED MDM PORT - SCU, MIA, A/D, POWER SUPPLIES, OR I/O CARD/CHANNEL FAILURE".

SIMULTANEOUS DISSIMILAR FAILURES WERE EXCLUDED FROM THE IOA. MULTIPLE FAILURES ARE INCONSISTENT WITH THE NSTS 22206.

IOA RECOMMENDS REPLACING THIS PHRASE IN THE NASA/RI FMEA'S EFFECTS FIELD, "COUPLED WITH AN UNDETECTED FCS FAILURE (IN THE NULL POSITION)", WITH "COUPLED WITH A LIKE FAILURE IN ANOTHER MDM". IOA DID NOT CONSIDER DEGRADED STATE VECTORS.

IOA DOES NOT BELIEVE THE LOSS OF TWO STATE VECTORS WILL CAUSE LOSS OF CREW OR VEHICLE. IN THE WORST CASE ON ENTRY, THE LOSS OF THE SECOND STATE VECTOR WILL PERMIT THE ORBITER TO FLY WITH ONE REMAINING STATE VECTOR.

IOA RECOMMENDS DOWNGRADING HARDWARE CRITICALITY TO 3, THEREBY REMOVING THE FMEA FROM THE CIL. NASA/RI DOWNGRADED FMEA 05-5-B03-2-1 FROM 2/1R TO 3/1R. THIS REVISED CRITICALITY AGREES WITH IOA CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 10/06/86
 ASSESSMENT ID: DPS-120
 NASA FMEA #: 05-5-B03-1-1

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: DPS
 MDAC ID: 120
 ITEM: MDM FA1, FA2, FA3, FA4

LEAD ANALYST: W. A. Haufler

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

SIMULTANEOUS DISSIMILAR FAILURES WERE EXCLUDED FROM THE IOA.
 MULTIPLE FAILURES ARE INCONSISTENT WITH THE NSTS 22206.
 IOA RECOMMENDS REPLACING THIS PHRASE IN THIS NASA/RI FMEA'S
 EFFECTS FIELD, "COUPLED WITH AN UNDETECTED FCS FAILURE (IN THE
 NULL POSITION)", WITH "COUPLED WITH A LIKE FAILURE IN ANOTHER
 MDM".
 IOA DOES NOT CONCUR WITH NASA'S REEVALUATION AND RATIONALE.
 IOA RECOMMENDS DOWNGRADING THE HARDWARE CRITICALITY TO 3, THEREBY
 REMOVING THE FMEA FROM THE CIL.
 THE IOA WITHDRAWS CRITICALITY DIFFERENCE AND DIFFERENT
 APPLICATIONS OF NSTS 22206 AS ASSESSMENT ISSUES SINCE THEY RESULT
 IN A MORE CONSERVATIVE NASA/RI EVALUATION OF THE FAILURE MODE
 THAN THE IOA ANALYSIS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 10/06/86
ASSESSMENT ID: DPS-121
NASA FMEA #: 05-5-B03-1-1

NASA DATA:
BASELINE [X]
NEW []

SUBSYSTEM: DPS
MDAC ID: 121
ITEM: MDM FA1, FA2, FA3, FA4

LEAD ANALYST: W. A. Haufler

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE []

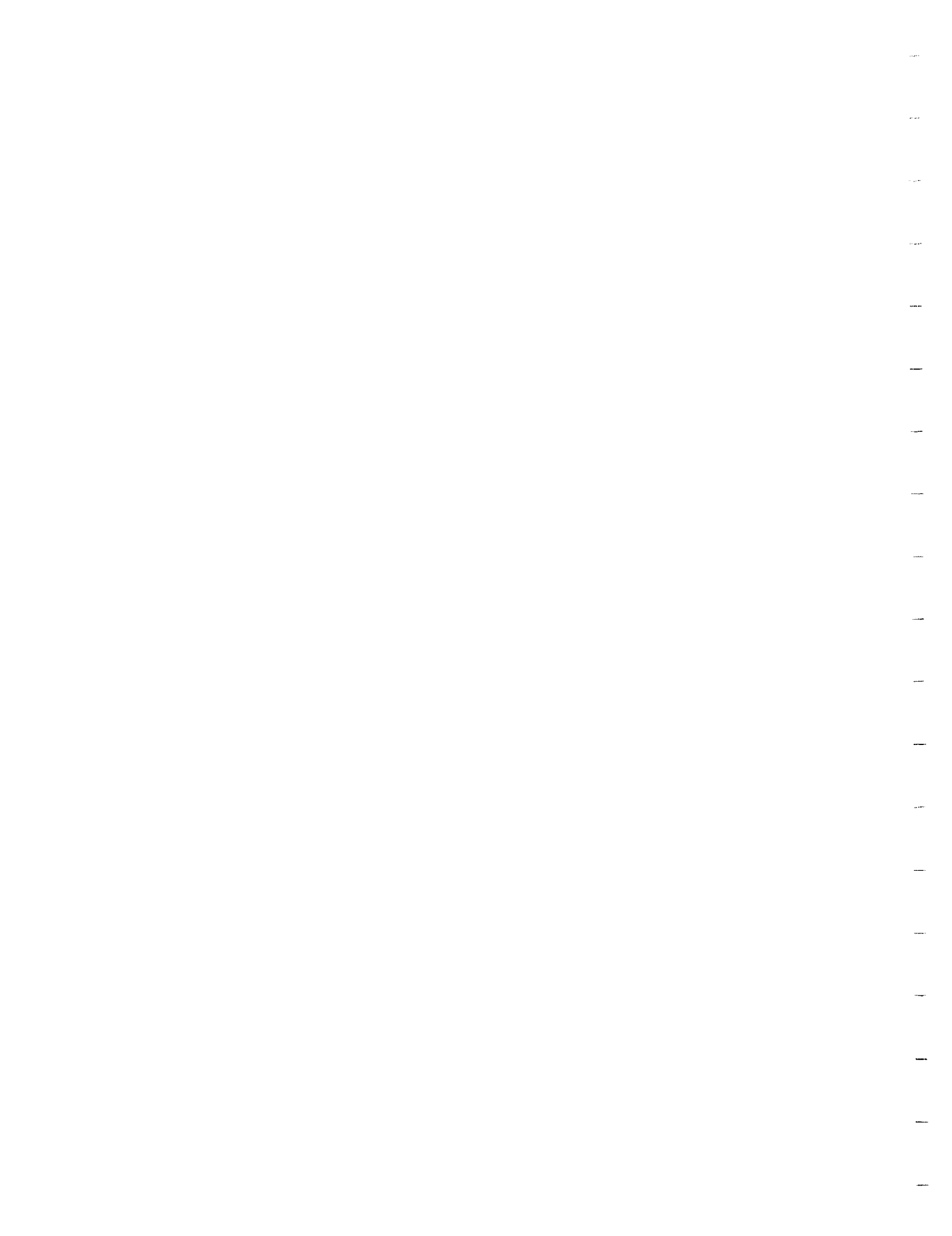
REMARKS:

THIS FAILURE MODE "NO OUTPUT TO LRU" IS CONSIDERED TO BE COVERED BY THE ROCKWELL FMEA WITH FAILURE MODE "NO OUTPUT: FAILED MDM PORT - SCU, MIA, A/D, POWER SUPPLIES, OR I/O CARD/CHANNEL FAILURE".

SIMULTANEOUS DISSIMILAR FAILURES WERE EXCLUDED FROM THE IOA. MULTIPLE FAILURES ARE INCONSISTENT WITH THE NSTS 22206. IOA RECOMMENDS REPLACING THIS PHRASE IN THIS NASA/RI FMEA'S EFFECTS FIELD, "COUPLED WITH AN UNDETECTED FCS FAILURE (IN THE NULL POSITION)", WITH "COUPLED WITH A LIKE FAILURE IN ANOTHER MDM".

IOA DOES NOT CONCUR WITH NASA'S REEVALUATION AND RATIONALE. IOA DOES NOT CONCUR WITH NASA'S REEVALUATION AND RATIONALE. IOA RECOMMENDS DOWNGRADING THE HARDWARE CRITICALITY TO 3, THEREBY REMOVING THE FMEA FROM THE CIL.

THE IOA WITHDRAWS CRITICALITY DIFFERENCE AND DIFFERENT APPLICATIONS OF NSTS 22206 AS ASSESSMENT ISSUES SINCE THEY RESULT IN A MORE CONSERVATIVE NASA/RI EVALUATION OF THE FAILURE MODE THAN THE IOA ANALYSIS.



SECTION C.8
ATMOSPHERE REVITALIZATION PRESSURE
CONTROL SUBSYSTEM

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-128
 NASA FMEA #: 06-1-0109-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 128
 ITEM: PRESSURE REGULATOR/300 PSIG (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE FAILURE MODE MAY BE CLARIFIED TO REFER TO EITHER 1ST OR 2ND STAGES OF THE REGULATOR. AFTER FURTHER REVIEW AND REMOVAL OF THE AUXILIARY O2 TANK, IOA WOULD HAVE RECOMMENDED 3/1R CRITICALITY. COMPARED TO THIS RECOMMENDATION NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THIS MORE CONSERVATIVE APPROACH AND AGREES WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-129
 NASA FMEA #: 06-1-0110-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 129
 ITEM: RELIEF VALVE, 1250 PSIG.

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER FURTHER REVIEW AND REMOVAL OF THE AUXILIARY O2 TANK, THE IOA CRITICALITY WAS CHANGED TO 3/1R. NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THIS MORE CONSERVATIVE APPROACH AND AGREES WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-131
 NASA FMEA #: 06-1-0110-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 131
 ITEM: RELIEF VALVE, 1250 PSIG.

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

AFTER REMOVAL OF THE AUXILIARY O2 TANK, THE IOA CRITICALITY WAS CHANGED TO 3/1R. NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA AGREES WITH THIS MORE CONSERVATIVE APPROACH AND AGREES WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-132A
 NASA FMEA #: 06-1-0114-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 132
 ITEM: ISOLATION VALVE (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND AGREES WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-140
 NASA FMEA #: 05-6VA-2011-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 140
 ITEM: SWITCH-S15 AND S18 (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

RE-EVALUATION OF THE FAILURE BY NASA HAS RESULTED IN A DIFFERENT FMEA NUMBER (05-6UC-201-02) AND A REVISED CRITICALITY (3/3) WHICH NOW AGREES WITH MDAC. ISSUE IS CLOSED.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-141
 NASA FMEA #: 05-6VA-2011-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 141
 ITEM: SWITCH-S15 AND S18 (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FMEA WAS RE-EVALUATED BY NASA AND ASSIGNED A CRITICALITY (2/1R) WHICH AGREES WITH IOAs ASSESSMENT. ISSUE IS CLOSED. (NEW NASA FMEA NO. 05-6UC-201-1).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-148
 NASA FMEA #: 06-1-0116-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 148
 ITEM: ORIFICE-(ONE 20 LBM/HR IN LOOP1, TWO 10 LBM/HR
 IN LOOP2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND CONCURS WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-151
 NASA FMEA #: 06-1-0120-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 151
 ITEM: LEH O2 SUPPLY VALVE (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND CONCURS WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: ARPCS-159
NASA FMEA #:

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: ARPCS
MDAC ID: 159
ITEM: FILTER-10 MICRONS (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

DISCUSSIONS WITH THE NASA SSM, JOHN WHELAN, ON 23 MAY 1988,
REVEAL THAT THIS FILTER WAS COVERED AS A PART OF THE CHECK VALVE.
(FMEA NO. 06-1C-0123-1, CRITICALITY 2/1R PFP). IOA WITHDRAWS THE
ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-161
 NASA FMEA #: 06-1-0123-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 161
 ITEM: CHECK VALVE (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION FOR FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND CONCURS WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-164
 NASA FMEA #: 06-1-1501-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 164
 ITEM: LEH O2 SHUTOFF VALVE/CREW + PASSENGER (8)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DISCUSSION WITH THE NASA SSM, JOHN WHELAN, ON 23 MAY 1988, REVEALED THE EXISTENCE OF AN ADDITIONAL PIECE OF EQUIPMENT, A "Y" CONNECTION FOR THE LEH QUICK DISCONNECTS. THIS MEANS THAT THERE WILL ALWAYS BE AT LEAST ONE MORE OUTLET THAN CREW MEMBERS AND THE CRITICALITY CAN BE REDUCED TO A 1R/2. IOA WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-166
 NASA FMEA #: 06-1-1502-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 166
 ITEM: QUICK DISCONNECTS (8)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DISCUSSION WITH THE NASA SSM, JOHN WHELAN, ON 23 MAY 1988, REVEALED THE EXISTENCE OF AN ADDITIONAL PIECE OF EQUIPMENT, A "Y" CONNECTION FOR THE LEH QUICK DISCONNECTS. THIS MEANS THAT THERE WILL ALWAYS BE AT LEAST ONE MORE OUTLET THAN CREW MEMBERS AND THE CRITICALITY CAN BE REDUCED TO A 1R/2. IOA WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-167
 NASA FMEA #: 06-1-1502-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 167
 ITEM: QUICK DISCONNECTS (8)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION FOR FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND CONCURS WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-168
 NASA FMEA #: 06-1-1502-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 168
 ITEM: QUICK DISCONNECTS (8)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DISCUSSIONS WITH THE NASA SSM, JOHN WHELAN, ON 23 MAY 1988, REVEALED THE EXISTENCE OF AN ADDITIONAL PIECE OF EQUIPMENT, A "Y" CONNECTION FOR THE LEH QUICK DISCONNECTS. THIS MEANS THAT THERE WILL ALWAYS BE AT LEAST ONE MORE OUTLET THAN CREW MEMBERS AND THE CRITICALITY CAN BE REDUCED TO A 1R/2. IOA WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-169
 NASA FMEA #: 06-1-1502-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 169
 ITEM: QUICK DISCONNECTS (8)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION FOR FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND CONCURS WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: ARPCS-174A
 NASA FMEA #: 06-1-1512-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 174
 ITEM: SHUTOFF VALVE/DIRECT OXYGEN (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS ISSUE WAS DISCUSSED WITH THE NASA SSM, JOHN WHALAN, ON 23 MAY 1988. THIS FAILURE CAUSES THE LEAK TO GO THROUGH THE VALVE AND THRU THE DIRECT OXYGEN OUTLET INTO THE CABIN. THERE IS A FLOW RESTRICTER WHICH LIMITS THE LEAK TO 10LBS/HR. AT THIS LEVEL, THE LEHS WILL STILL PROVIDE OXYGEN TO THE CREW AND NO IMMEDIATE LOSS OF LIFE OCCURS. GIVEN THIS KNOWLEDGE, IOA WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-212
 NASA FMEA #: 06-1-0161-1
 SUBSYSTEM: ARPCS
 MDAC ID: 212
 ITEM: N2 TANKS (4)
 LEAD ANALYST: M.J. SAIIDI

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[F]	[X]
COMPARE	[N /]	[]	[]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DURING THEIR ANALYSIS OF THE N2 SYSTEM, NASA UTILIZED A GROUND RULE WHICH LET THE SECOND N2 SYSTEM AND THE CABIN INTEGRITY ACT AS BACKUP TO THE FAILED SYSTEM. THE FLIGHT RULES WILL ALWAYS MAINTAIN A MINIMUM AMOUNT OF 110 LBS OF USABLE NITROGEN, BUT ABOVE THIS LEVEL, A FAILED N2 SYSTEM DOES NOT AUTOMATICALLY MEAN A MISSION TERMINATION. THIS PHILOSOPHY AGREES WITH A 3/1R CRITICALITY. AFTER THIS DISCUSSION WITH JOHN WHELAN 23 MAY 1988, IOA AGREES WITH THE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-214
 NASA FMEA #: 06-1-0191-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 214
 ITEM: LINES & FITTINGS - TP27 & TP28

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 RE-EVALUATION OF SYSTEM AND CONTROLS WILL PERMIT IOA TO AGREE
 WITH NASA CRITICALITIES. ISSUE IS WITHDRAWN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-223A
 NASA FMEA #: 06-1-0230-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 223
 ITEM: ISOLATION VALVE (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[/N]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION FOR FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND CONCURS WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-224
 NASA FMEA #: 06-1-0230-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 224
 ITEM: ISOLATION VALVE (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DURING THEIR ANALYSIS OF THE N2 SYSTEM, NASA UTILIZED A GROUNDRULE WHICH LET THE SECOND N2 SYSTEM AND THE CABIN INTEGRITY ACT AS BACKUP TO THE FAILED SYSTEM. THE FLIGHT RULES WILL ALWAYS MAINTAIN A MINIMUM AMOUNT OF 110 LBS OF USABLE NITROGEN, BUT ABOVE THIS LEVEL, A FAILED N2 SYSTEM DOES NOT AUTOMATICALLY MEAN A MISSION TERMINATION. THIS PHILOSOPHY AGREES WITH A 3/1R CRITICALITY. AFTER THIS DISCUSSION WITH JOHN WHELAN ON 23 MAY 1988, IOA AGREES WITH THE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-232
 NASA FMEA #: 06-1-0231-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 232
 ITEM: LINES & FITTINGS

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[NA]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

MMU CAN NOT BE CONSIDERED TO BE MISSION CRITICAL. THEREFORE, IOA WILL AGREE WITH NASAs LOWER CRITICALITIES AND WITHDRAW THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-234
 NASA FMEA #: 06-1-0165-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 234
 ITEM: N2 SYSTEM SUPPLY ISOL. VLV-LV3&LV4 (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DURING THEIR ANALYSIS OF THE N2 SYSTEM, NASA UTILIZED A GROUND RULE WHICH LET THE SECOND N2 SYSTEM AND THE CABIN INTEGRITY ACT AS BACKUP TO THE FAILED SYSTEM. THE FLIGHT RULES WILL ALWAYS MAINTAIN A MINIMUM AMOUNT OF 110 LBS OF USABLE NITROGEN, BUT ABOVE THIS LEVEL, A FAILED N2 SYSTEM DOES NOT AUTOMATICALLY MEAN A MISSION TERMINATION. THIS PHILOSOPHY AGREES WITH A 3/1R CRITICALITY. AFTER THIS DISCUSSION WITH JOHN WHELAN ON 23 MAY 1988, IOA AGREES WITH THE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-235
 NASA FMEA #: 06-1-0165-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 235
 ITEM: N2 SYSTEM SUPPLY ISOL. VLV-LV3&LV4 (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DURING THEIR ANALYSIS OF THE N2 SYSTEM, NASA UTILIZED A GROUND RULE WHICH LET THE SECOND N2 SYSTEM AND THE CABIN INTEGRITY ACT AS BACKUP TO THE FAILED SYSTEM. THE FLIGHT RULES WILL ALWAYS MAINTAIN A MINIMUM AMOUNT OF 110 LBS OF USABLE NITROGEN, BUT ABOVE THIS LEVEL, A FAILED N2 SYSTEM DOES NOT AUTOMATICALLY MEAN A MISSION TERMINATION. THIS PHILOSOPHY AGREES WITH A 3/1R CRITICALITY. AFTER THIS DISCUSSION WITH JOHN WHELAN ON 23 MAY 1988, IOA AGREES WITH THE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-237
 NASA FMEA #: 06-1-0165-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 237
 ITEM: SINGLE PHASE MOTOR/N2-SYSTEM ISOL. VLV (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA STUDIED THE ELECTRICAL MOTOR SEPARATELY FROM THE VALVE, AND THIS COMPARISON WAS MADE BASED ON THE FMEA ANALYSIS FOR THE VALVE.

DURING THEIR ANALYSIS OF THE N2 SYSTEM, NASA UTILIZED A GROUND RULE WHICH LET THE SECOND N2 SYSTEM AND THE CABIN INTEGRITY ACT AS BACKUP TO THE FAILED SYSTEM. THE FLIGHT RULES WILL ALWAYS MAINTAIN A MINIMUM AMOUNT OF 110 LBS OF USABLE NITROGEN, BUT ABOVE THIS LEVEL, A FAILED N2 SYSTEM DOES NOT AUTOMATICALLY MEAN A MISSION TERMINATION. THIS PHILOSOPHY AGREES WITH A 3/1R CRITICALITY. AFTER THIS DISCUSSION WITH JOHN WHELAN ON 23 MAY 1988, IOA AGREES WITH THE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-241
 NASA FMEA #: 05-6VA-2013-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 241
 ITEM: SWITCH, S13&S21/N2-SYSTEM ISOL VLV (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DURING THEIR ANALYSIS OF THE N2 SYSTEM, NASA UTILIZED A GROUND RULE WHICH LET THE SECOND N2 SYSTEM AND THE CABIN INTEGRITY ACT AS BACKUP TO THE FAILED SYSTEM. THE FLIGHT RULES WILL ALWAYS MAINTAIN A MINIMUM AMOUNT OF 110 LBS OF USABLE NITROGEN, BUT ABOVE THIS LEVEL, A FAILED N2 SYSTEM DOES NOT AUTOMATICALLY MEAN A MISSION TERMINATION. THIS PHILOSOPHY AGREES WITH A 3/1R CRITICALITY. AFTER THIS DISCUSSION WITH JOHN WHELAN ON 23 MAY 1988, IOA AGREES WITH THE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-271
 NASA FMEA #: 06-1-0152-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 271
 ITEM: SHUTOFF VALVE (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DURING THEIR ANALYSIS OF THE N2 SYSTEM, NASA UTILIZED A GROUND RULE WHICH LET THE SECOND N2 SYSTEM AND THE CABIN INTEGRITY ACT AS BACKUP TO THE FAILED SYSTEM. THE FLIGHT RULES WILL ALWAYS MAINTAIN A MINIMUM AMOUNT OF 110 LBS OF USABLE NITROGEN, BUT ABOVE THIS LEVEL, A FAILED N2 SYSTEM DOES NOT AUTOMATICALLY MEAN A MISSION TERMINATION. THIS PHILOSOPHY AGREES WITH A 3/1R CRITICALITY. AFTER THIS DISCUSSION WITH JOHN WHELAN ON 23 MAY 1988, IOA AGREES WITH THE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-276
 NASA FMEA #: 06-1-0178-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 276
 ITEM: CROSSOVER VALVE (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /2] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

DURING THEIR ANALYSIS OF THE N2 SYSTEM, NASA UTILIZED A GROUND RULE WHICH LET THE SECOND N2 SYSTEM AND THE CABIN INTEGRITY ACT AS BACKUP TO THE FAILED SYSTEM. THE FLIGHT RULES WILL ALWAYS MAINTAIN A MINIMUM AMOUNT OF 110 LBS OF USABLE NITROGEN, BUT ABOVE THIS LEVEL, A FAILED N2 SYSTEM DOES NOT AUTOMATICALLY MEAN A MISSION TERMINATION. THIS PHILOSOPHY AGREES WITH A 3/1R CRITICALITY. AFTER THIS DISCUSSION WITH JOHN WHELAN ON 23 MAY 1988, IOA AGREES WITH THE APPROACH AND WITHDRAWS THE ISSUE. ADDITIONAL DISCUSSION REVEALED THAT THE DESIGN OF THIS VALVE IS SUCH THAT IT IS FLOWN NORMALLY CLOSED. SHOULD A LEAK OCCUR, THE OPERATING LEG CAN BE CHANGED AND THE LEAK ISOLATED. IT SHOULD ALSO BE NOTED THAT EVEN WITH A LEAK, N2 IS STILL AVAILABLE TO THE CABIN ATMOSPHERE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-312
 NASA FMEA #: 06-1-0146-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 312
 ITEM: PPO2 SENSOR-C (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

RE-EVALUATION ALLOWS IOA TO AGREE WITH NASA CRITICALITIES. ISSUE
 IS WITHDRAWN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-322
 NASA FMEA #: 06-1-0214-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 322
 ITEM: CABIN PRESSURE SENSOR (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION FOR FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND CONCURS WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-324
 NASA FMEA #: 06-1-0211-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 324
 ITEM: CABIN DP/DT SENSOR (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION FOR FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND CONCURS WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-327
 NASA FMEA #: 05-6VA-2022-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 327
 ITEM: CIRCUIT BREAKER, CB16/DP/DT (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /2]	[]	[]	[]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND CONCURS WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: ARPCS-344
NASA FMEA #:

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: ARPCS
MDAC ID: 344
ITEM: FILTER (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

DISCUSSION WITH JOHN WHELAN, NASA, SSM, ON 23 MAY 1988, PLUS EXAMINATION OF PART DRAWINGS REVEALED THAT THIS FILTERS DESIGN PRECLUDES THE CREDIBILITY OF RESTRICTED FLOW. IOA WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-350
 NASA FMEA #: 06-1-0203-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 350
 ITEM: SINGLE PHASE MOTOR (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION FOR FUNCTION AND REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND CONCURS WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-359
 NASA FMEA #: 05-6VA-200100-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 359
 ITEM: CIRCUIT BREAKER, CB22 & CB34 (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

RE-EVALUATION BY NASA HAS RESULTED IN A DIFFERENT FMEA NUMBER (05-6UC-100X) AND A MODIFIED CRITICALITY (3/3) WHICH MATCHES IOA'S RECOMMENDATION. ISSUE CLOSED.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-362
 NASA FMEA #: 06-1-0207-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 362
 ITEM: CAP (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER RE-EVALUATION, IOA HAS DETERMINED THAT THE FAILURE OF
 SCREEN B IS NO LONGER AN ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
ASSESSMENT ID: ARPCS-364
NASA FMEA #:

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: ARPCS
MDAC ID: 364
ITEM: DEBRIS SCREEN (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

THIS DEBRIS SCREEN IS COVERED AS A PART OF THE NASA FMEA 06-1C-0206-1 WHICH IS WRITTEN AGAINST THE VALVE. SINCE THE CRITICALITY MATCHES IOAs, THE ISSUE IS WITHDRAWN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-367X
 NASA FMEA #: 06-1-0229-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 367
 ITEM: QUICK DISCONNECT

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /2R]	[F]	[F]	[P]	[X]
COMPARE	[/N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION FOR REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND AGREES WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-368X
 NASA FMEA #: 06-1-0229-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 368
 ITEM: QUICK DISCONNECT

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /2R]	[F]	[F]	[P]	[X]
COMPARE	[/N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION FOR REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND AGREES WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-1131X
 NASA FMEA #: 05-6VA-2017-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 1131
 ITEM: SWITCH-S12

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION FOR REDUNDANCY DURING THEIR ANALYSIS. IOA ACCEPTS THE MORE CONSERVATIVE APPROACH AND AGREES WITH THE HIGHER CRITICALITIES. MDAC WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-1461X
 NASA FMEA #: 06-1-0115-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 1461
 ITEM: FILTER, 10 MICRON (2)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[/NA]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA CONSIDERED EXTERNAL LEAKAGE OF THE FILTER UNDER THE LINES AND FITTINGS ANALYSIS. THE EXTERNAL LEAKAGE FOR THE FILTER ALONE WAS NOT CONSIDERED CREDIBLE. HOWEVER, BY DEFINING THIS AS A POSSIBLE FAILURE MODE, NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF FAILURE MODES. IOA ACCEPTS THIS MORE CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-1501X
 NASA FMEA #: 06-1-1510-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 1501
 ITEM: LINES AND FITTINGS

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[/NA]	[]	[]	[]	[]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF CREDIBLE FAILURE MODES DURING THEIR ANALYSIS. IOA ACCEPTS THIS MORE CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-1761X
 NASA FMEA #: 06-1-1511-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 1761
 ITEM: ORIFICE, DIRECT BLEED (1)

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[/NA]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF CREDIBLE FAILURE MODES DURING THEIR ANALYSIS. IOA ACCEPTS THIS MORE CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-2632X
 NASA FMEA #: 06-1-0193-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 2632
 ITEM: LINES AND FITTINGS

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[/NA]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF CREDIBLE FAILURE MODES DURING THEIR ANALYSIS. IOA ACCEPTS THIS MORE CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: ARPCS-3291X
 NASA FMEA #: 06-1-0191-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 3291
 ITEM: LINES & FITTINGS

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[/NA]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF CREDIBLE FAILURE MODES DURING THEIR ANALYSIS. IOA ACCEPTS THIS MORE CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-3431X
 NASA FMEA #: 06-1-0201-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 3431
 ITEM: RELIEF VALVE, 16 PSIA

LEAD ANALYST: M.J. SAIIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[/NA]	[]	[]	[]	[]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/NA] [] [] [] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF CREDIBLE FAILURE MODES DURING THEIR ANALYSIS. IOA ACCEPTS THIS MORE CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: ARPCS-3611X
 NASA FMEA #: 06-1-0206-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: ARPCS
 MDAC ID: 3611
 ITEM: RELIEF VALVE (2)

LEAD ANALYST: M.J. SAIDI

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[/NA]	[]	[]	[]	[]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/NA] [] [] [] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

NASA UTILIZED A MORE CONSERVATIVE DEFINITION OF CREDIBLE FAILURE MODES DURING THEIR ANALYSIS. IOA ACCEPTS THIS MORE CONSERVATIVE APPROACH AND WITHDRAWS THE ISSUE.

SECTION C.9
HYDRAULICS AND WATER SPRAY
BOILER SUBSYSTEM

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
ASSESSMENT ID: HYDWSB-110
NASA FMEA #:

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: HYD/WSB
MDAC ID: 110
ITEM: SPRAY VALVE (WATER SUPPLY)

LEAD ANALYST: J. DUVAL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE []

REMARKS:

THIS FAILURE IS INCORPORATED AS A "CAUSE" IN FMEA 06-3A-0605-2.
ELECTRICAL OPEN OR SHORT CIRCUIT MUST INVOLVE BOTH REDUNDANT
SOLENOID COILS. INDIVIDUAL ELECTRICAL FAILURES ARE COVERED IN
WSB EPDC FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-117
 NASA FMEA #: 06-3A-0604-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 117
 ITEM: STEAM DUMP NOZZLE

LEAD ANALYST: J. DUVAL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:
 NASA FMEA CONSIDERS BLOCKAGE OF NOZZLE FOR ANY REASON. FREEZING
 IMPLIES BOTH HEATERS LOST. SINGLE HEATER FAILURE IS COVERED BY
 FMEA 06-3A-0622-1. IOA ACCEPTS NASA APPROACH TO CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-118
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 118
 ITEM: HYDRAULIC/LUBE OIL WATER FILTERS

LEAD ANALYST: J. DUVAL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[]
IOA	[2 /1R]	[P]	[P]	[P]	[X] *
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA RECOMMENDED ADDING "OR RESTRICTED FLOW" TO FAILURE MODE DESCRIPTION OF FMEA 06-3A-0605-2 TO COVER BLOCKAGE OF WATER VALVE FILTER. SUBSYSTEM MANAGER WALLACE TUTHILL ACCEPTED THIS RECOMMENDATION DURING IOA/NASA CIL ISSUES REVIEW MEETING ON 4/26/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-131
 NASA FMEA #: 06-3-0629-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 131
 ITEM: LUBE OIL TEMP SENSOR

LEAD ANALYST: J. DUVAL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[NA]	[P]	[]
COMPARE	[/]	[N]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA FMEA SHOWS SCREEN A=P IN NSTS LEVEL I/II REVIEW BOARD PRESENTATION, 3/30/88. IOA ACCEPTS SCREEN PASSED, RATHER THAN NA, AS THIS DOES NOT AFFECT CIL STATUS OR WAIVER STATUS. THIS FMEA IS NO LONGER ON THE CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-143
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 143
 ITEM: GN2 TANK

LEAD ANALYST: J. DUVAL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

FMEA 06-3-0609-2 DELETED BY NASA. COMBINED WITH 06-3-0609-1.
 NASA APPROACH TAKES RUPTURE OF GN2 TANK AS WORST CASE FAILURE
 MODE. IOA ACCEPTS THIS APPROACH. NO SEPARATE FMEA FOR LEAKAGE
 IS NECESSARY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-149
 NASA FMEA #: 06-3A-0606-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 149
 ITEM: GN2 SHUTOFF VALVE

LEAD ANALYST: J. DUVAL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[NA]	[NA]	[NA]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

GN2 REGULATOR VALVE IN SERIES WOULD REGULATE PRESSURE TO H2O TANK
 - REQUIRES SECOND FAILURE TO CAUSE POSSIBLE LOSS OF ONE HYDRAULIC
 SYSTEM. IOA ACCEPTS NASA APPROACH TO CRITICALITY: THIRD FAILURE
 IN REDUNDANCY CHAIN IS LOSS OF A SECOND HYDRAULIC
 SYSTEM, FOR ANY REASON.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-164
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 164
 ITEM: GN2 FILTER

LEAD ANALYST: J. DUVAL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

NASA FMEA 06-3A-0606-1 COVERS FILTER BLOCKAGE AS PART OF GN2 SHUTOFF VALVE FAILURE MODE-FILTER IN QUESTION IS PART OF GN2 SHUTOFF VALVE. IOA ACCEPTS THIS APPROACH.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-197
 NASA FMEA #:

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: HYD/WSB
 MDAC ID: 197
 ITEM: HYBRID DRIVER CIRCUIT (CONTROLLER)

LEAD ANALYST: J. DUVAL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 THIS FAILURE MODE (FMEA 05-6W-2208-1B) IS 3/1R, PPP BY NASA
 BASELINE PRESENTED TO NSTS LEVEL I/II REVIEW BOARD ON 3/30/88.
 IOA CONCURS WITH THIS CRITICALITY-SWITCHING CONTROLLERS WILL
 REGAIN GN2 SHUTOFF VALVE CONTROL. SCREEN B IS ACCEPTABLE AS P,
 RATHER THAN NA. THIS CHANGE DOES NOT AFFECT CIL OR WAIVER
 STATUS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-431
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 431
 ITEM: PRESS ACTIVATED RELIEF VALVE

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[F]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS VALVE FUNCTION IS NOT REQUIRED UNLESS HYD LINE IS BLOCKED. IN THAT CASE, LINE BLOCKAGE IS THE CAUSE OF HYDRAULIC LOSS, AND THE CIRC PUMP IS IRRELEVANT. IOA CONCURS WITH NASA DECISION TO OMIT THIS FAILURE MODE. CRITICALITY WOULD BE 3/3, IF IT WERE INCLUDED.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-439
 NASA FMEA #: 02-6-E27

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 439
 ITEM: FILTER

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 NASA DOES NOT CONSIDER THIS A CREDIBLE FAILURE MODE, ACCORDING TO
 HYDRAULIC SUBSYSTEM MANAGER WALLACE TUTHILL (IOA/NASA CIL ISSUES
 REVIEW MEETING, 4/26/88). IOA CONCURS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-451
 NASA FMEA #: 02-6-A02-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 451
 ITEM: QUICK DISCONNECT-HYD/SSME (SUPPLY)

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA CONCURS WITH NASA CRITICALITY. LOSS OF TWO Q. D.'S ON TWO HYDRAULIC SYSTEMS STILL ALLOWS RTLS ABORT, IN WORST CASE. FMEA 02-6-A02-1 IS 1/1 BECAUSE ENGINE VALVES DO NOT LOCK UP IN THIS CASE-UNCONTROLLED FUEL/OXIDIZER MIXTURE CAN LEAD TO SSME CATASTROPHIC FAILURE. THIS ISSUE WAS WITHDRAWN AS A RESULT OF MEETING WITH NASA SUBSYSTEM MANAGER WALLACE TUTHILL ON 4/26/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-455
 NASA FMEA #: 02-6-A07-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 455
 ITEM: CHECK VALVE-RETURN LINE FROM ENG'S/ACT'S

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[NA]	[P]	[X] *
IOA	[3 /3]	[NA]	[NA]	[NA]	[]
COMPARE	[/N]	[N]	[]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:
 IOA ACCEPTS NASA APPROACH TO CRITICALITY. SECOND FAILURE IS HYD
 LINE LEAK UPSTREAM OF VALVE. THIRD FAILURE IS LOSS OF A SECOND
 HYDRAULIC SYSTEM, FOR ANY REASON.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-465
 NASA FMEA #: 02-6-SYSTEM-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 465
 ITEM: HYDRAULIC LINE (SUPPLY) SYSTEM 1

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

LINE RUPTURE IS DETECTIBLE WHEN L. G. ISOL VALVE 1 IS OPENED.
 FLIGHT CREW CAN TAKE ACTION TO MANAGE LEAK. THIS IS
 JUSTIFICATION FOR PASSING SCREEN B, ACCORDING TO SUBSYSTEM
 MANAGER WALLACE TUTHILL (IOA/NASA CIL ISSUES REVIEW MEETING,
 4/26/88).
 IOA CONCURS WITH THIS REASONING.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-466
 NASA FMEA #: 02-6-SYSTEM-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 466
 ITEM: HYDRAULIC LINE (RETURN) SYSTEM 1

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

NASA CRITICALITY IS BASED ON WORST CASE CONSEQUENCES OF A
 HYDRAULIC LINE RUPTURE. IOA ACCEPTS THIS APPROACH. THERE IS NO
 NEED TO CONSIDER SEPARATE FMEA'S FOR LINE SEGMENTS WITH LESS
 SERIOUS CONSEQUENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-469
 NASA FMEA #: 02-6-G04-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 469
 ITEM: REDUNDANT SHUTOFF VALVE (N.O.)

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE IOA ORIGINAL CRITICALITY WAS BASED ON THE UNDERSTANDING THAT THE PYRO UNLOCK MECHANISM CANNOT OVERRIDE HYDRAULIC PRESSURE LOCKUP. IN ACTUALITY, THERE IS NO HYDRAULIC PRESSURE LOCKUP. IOA CONCURS WITH NASA CRITICALITY. SCREEN B IS PASSED, ACCORDING TO NASA BASELINE DOCUMENTED IN NSTS LEVEL I/II REVIEW BOARD PRESENTATION, 3/30/88. IOA CONCURS-REDUNDANCY (PYRO SYSTEM) IS ACTIVATED BY AUTOMATIC DETECTION AND SWITCHOVER, PER NSTS-22206, SECTION 2.3.5.a.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
ASSESSMENT ID: HYDWSB-487
NASA FMEA #:

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: HYD/WSB
MDAC ID: 487
ITEM: LANDING GEAR CONTROL UP/CIRC. SOLENOID VALVE

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:
NASA DELETED FMEA 02-6-G13-3. IOA CONCURS WITH THIS DECISION.
THIS VALVE REMAINS CLOSED THROUGHOUT THE ENTIRE FLIGHT, SO IT
CANNOT FAIL TO CLOSE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-489
 NASA FMEA #: 02-6-SYSTEM-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 489
 ITEM: LANDING GEAR CONTROL UP/CIRC SOLENOID VALVE

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

VALVE LEAK IS DETECTIBLE WHEN L. G. ISOL VALVE 1 IS OPENED. FLIGHT CREW CAN TAKE ACTION TO MANAGE LEAK. THIS IS JUSTIFICATION FOR PASSING SCREEN B, (ACCORDING TO SUBSYSTEM MANAGER WALLACE TUTHILL (IOA/NASA CIL ISSUES REVIEW MEETING, 4/26/88). IOA CONCURS WITH THIS REASONING.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-494
 NASA FMEA #: 02-6-SYSTEM-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 494
 ITEM: LANDING GEAR CONTROL VALVE - 2 POS, 3 WAY,
 SOLENOID

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

VALVE LEAK IS DETECTIBLE WHEN L. G. ISOL VALVE 1 IS OPENED.
 FLIGHT CREW CAN TAKE ACTION TO MANAGE LEAK. THIS IS
 JUSTIFICATION FOR PASSING SCREEN B, (ACCORDING TO SUBSYSTEM
 MANAGER WALLACE TUTHILL (IOA/NASA CIL ISSUES REVIEW MEETING,
 4/26/88). IOA CONCURS WITH THIS REASONING.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-671
 NASA FMEA #: 02-6-C10-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 671
 ITEM: CHECK VALVE

LEAD ANALYST: W. E. PARKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

NASA CRITICALITY IS BASED ON POSSIBILITY THAT LOSS OF 2 ACTUATORS
 COULD CAUSE E. T. UMBILICAL PLATE TO BECOME MISALIGNED AND FAIL
 TO RETRACT PROPERLY, RESULTING IN LOSS OF VEHICLE. IOA CONCURS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-672
 NASA FMEA #: 02-6-C10-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 672
 ITEM: CHECK VALVE

LEAD ANALYST: W. E. PARKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[NA]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[N]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA ACCEPTS NASA APPROACH TO CRITICALITY. SECOND FAILURE IS HYDRAULIC LEAK UPSTREAM OF CHECK VALVE. THIRD FAILURE IS LOSS OF ANOTHER HYDRAULIC SYSTEM FOR ANY REASON. IOA CONCURS WITH SCREEN B INAPPLICABILITY, PER NSTS-22206, SECTION 2.3.4.b.2(b). SYSTEM IS NOT OPERATIVE DURING ANY NORMAL MISSION PHASE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-724
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 724
 ITEM: FREON/OIL HEAT EXCHANGER

LEAD ANALYST: W. E. PARKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THIS FAILURE IS COVERED IN ATCS SUBSYSTEM, FMEA 06-3-0301-3.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-817
 NASA FMEA #: 05-6G-2114-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 817
 ITEM: POWER CONTACTOR (K3, K4)

LEAD ANALYST: W. E. PARKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /3]	[NA]	[NA]	[NA]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE FUNCTION OF THIS ITEM IS TO CONTROL POWER TO ONE CIRC PUMP.
 LOSS OF ALL REDUNDANCY MEANS POSSIBLE LOSS OF ONE CIRC PUMP AT
 APU START OR DURING APU OPERATION. THIRD FAILURE IS LOSS OF
 ANOTHER CIRC PUMP FOR ANY REASON, WHICH CAN LEAD TO LOSS OF
 VEHICLE. IOA ACCEPTS NASA APPROACH TO CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-818
 NASA FMEA #: 05-6G-2110-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 818
 ITEM: HYBRID DRIVER (K3), AR TYPE III

LEAD ANALYST: W. E. PARKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[NA]	[NA]	[NA]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE FUNCTION OF THIS ITEM IS TO PROVIDE POWER TO ONE CIRC PUMP. LOSS OF REDUNDANT DRIVERS MEANS LOSS OF ONE CIRC PUMP AT APU START OR DURING APU OPERATION. NEXT FAILURE IS LOSS OF A SECOND CIRC PUMP FOR ANY REASON, WITH POSSIBLE LOSS OF VEHICLE AS A CONSEQUENCE. IOA ACCEPTS NASA APPROACH TO CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-821
 NASA FMEA #: 05-6G-2110-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 821
 ITEM: HYBRID DRIVER (K4), AR TYPE III

LEAD ANALYST: W. E. PARKMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[NA]	[NA]	[NA]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE FUNCTION OF THIS ITEM IS TO PROVIDE POWER TO ONE CIRC PUMP.
 LOSS OF REDUNDANT DRIVERS MEANS LOSS OF ONE CIRC PUMP AT APU
 START OR DURING APU OPERATION. NEXT FAILURE IS LOSS OF A SECOND
 CIRC PUMP FOR ANY REASON, WITH POSSIBLE LOSS OF VEHICLE AS A
 CONSEQUENCE. IOA ACCEPTS NASA APPROACH TO CRITICALITY.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/87
 ASSESSMENT ID: HYDWSB-850
 NASA FMEA #: 05-6G-200100-1E

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 850
 ITEM: RPC

LEAD ANALYST: J. DUVAL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[NA]	[NA]	[NA]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA CONCURS WITH NASA ASSESSMENT. THIS FAILURE MODE IS NOT A CIL ITEM IN THE NASA BASELINE AS DOCUMENTED IN THE NSTS LEVEL I/II REVIEW BOARD PRESENTATION OF 3/30/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: HYDWSB-1771X
 NASA FMEA #: 05-6W-2051-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 1771
 ITEM: BOILER CONTROL POWER/HEATER SWITCH

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 1R]	[P]	[NA]	[P]	[X] *
IOA	[3 / 1R]	[P]	[NA]	[P]	[]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

NASA CRITICALITY FOR THIS FAILURE MODE IS 3/3 AS DOCUMENTED IN THE NSTS LEVEL I/II REVIEW BOARD PRESENTATION OF 3/30/88, AND IT IS NOT LISTED AS A CIL ITEM. IOA CONCURS WITH NASA ASSESSMENT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/88
 ASSESSMENT ID: HYDWSB-5001X
 NASA FMEA #: 02-6-C06-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: HYD/WSB
 MDAC ID: 5001
 ITEM: VALVE, CHECK, L.G. HYD. CKT. FUSELAGE RETURN
 LINE

LEAD ANALYST: W. DAVIDSON

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[NA]	[P]	[X] *
IOA	[3 /2R]	[F]	[NA]	[P]	[X]
COMPARE	[/N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

IOA ACCEPTS NASA APPROACH TO REDUNDANCY: THIRD FAILURE IS LOSS OF ANOTHER HYDRAULIC SYSTEM, FOR ANY REASON.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/10/88
 ASSESSMENT ID: HYDWSB-8005X
 NASA FMEA #: 05-6G-00100-1B

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: HYD/WSB
 MDAC ID: 8005
 ITEM: DIODE, HYD MN PUMP DEPRESS VLV SOL CKT.

LEAD ANALYST: P. BYNUM

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[2 /1R]	[F]	[F]	[P]	[X]
COMPARE	[/]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

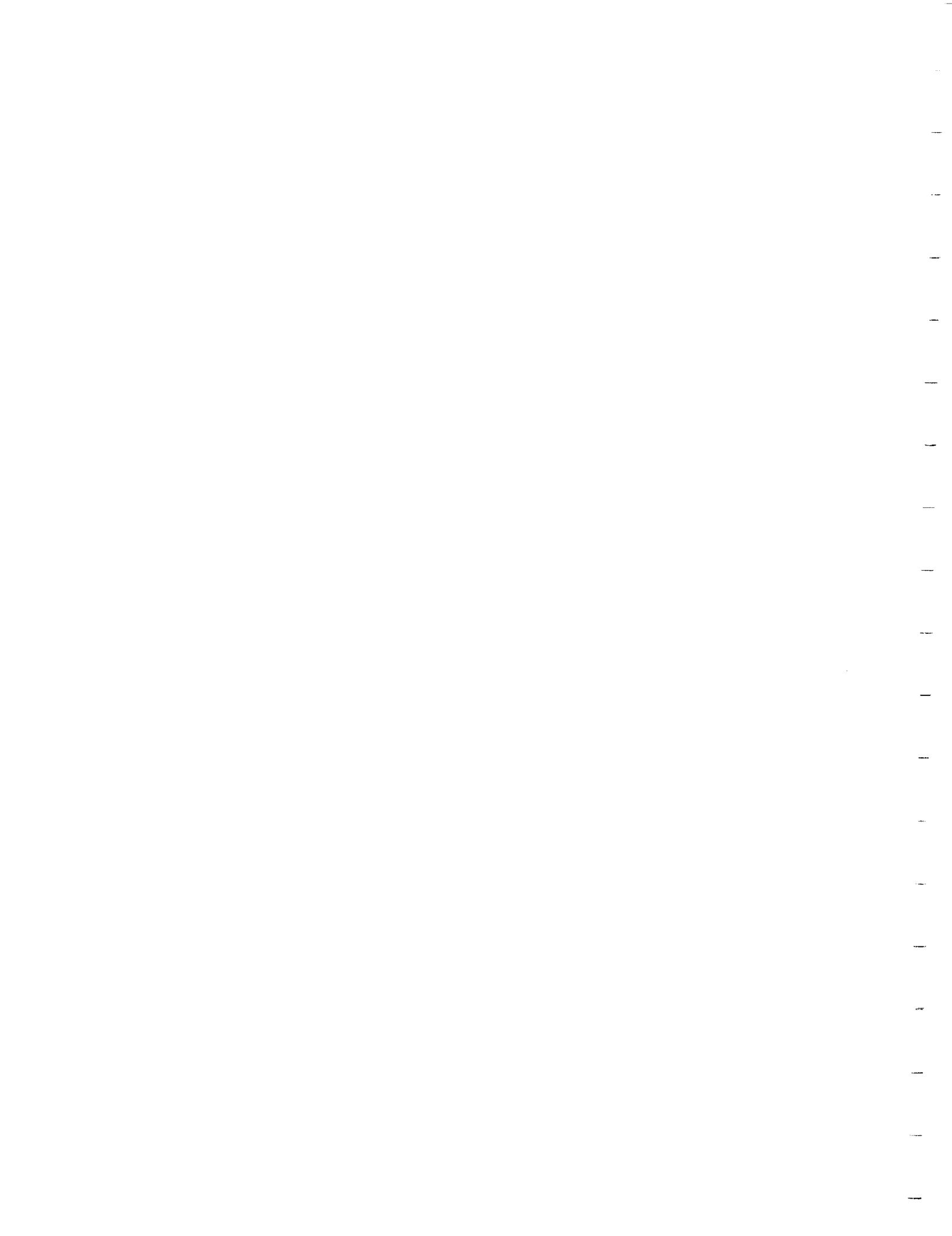
[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THIS FAILURE MODE IS INCLUDED IN THE NASA FMEA/CIL BASELINE AS DOCUMENTED IN THE NSTS LEVEL I/II REVIEW BOARD PRESENTATION OF 3/30/88, WITH CRITICALITY 3/1R P F P. IOA CONCURS WITH THE NASA ASSESSMENT.



SECTION C.10
MECHANICAL ACTUATION SUBSYSTEM

C.10-1

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: MECH/ADP-1102
 NASA FMEA #: 02-4-052000-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP
 MDAC ID: 1102
 ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [X]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: MECH/ADP-1102A
 NASA FMEA #: 02-4-052000-5

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP
 MDAC ID: 1102
 ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [X]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: MECH/ADP-1102B
 NASA FMEA #: 02-4-052000-6

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP
 MDAC ID: 1102
 ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [X]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: MECH/ADP-1103
 NASA FMEA #: 02-4-052000-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP
 MDAC ID: 1103
 ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [X]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: MECH/ADP-1103A
 NASA FMEA #: 02-4-052000-5

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP
 MDAC ID: 1103
 ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [X]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: MECH/ADP-1103B
 NASA FMEA #: 02-4-052000-6

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP
 MDAC ID: 1103
 ITEM: GEARBOX

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [X]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: MECH/ADP-1104
 NASA FMEA #: 02-4-054000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP
 MDAC ID: 1104
 ITEM: PRESSURE LINE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: MECH/ADP-1105
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP
 MDAC ID: 1105
 ITEM: PROBE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/05/88
 ASSESSMENT ID: MECH/ADP-1106
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP
 MDAC ID: 1106
 ITEM: PROBE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: MECH/ADP-1107
 NASA FMEA #:

NASA DATA:
 BASELINE [X]
 NEW []

SUBSYSTEM: MECH/ADP
 MDAC ID: 1107
 ITEM: SHAFT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
ASSESSMENT ID: MECH/ADP-1108
NASA FMEA #:

NASA DATA:
BASELINE [X]
NEW []

SUBSYSTEM: MECH/ADP
MDAC ID: 1108
ITEM: SHAFT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [A]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: MECH/ADP-1109
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ADP
 MDAC ID: 1109
 ITEM: DEPLOY MICROSWITCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: MECH/ADP-1110
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ADP
 MDAC ID: 1110
 ITEM: DEPLOY MICROSWITCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: MECH/ADP-1111
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ADP
 MDAC ID: 1111
 ITEM: STOW MICROSWITCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/06/88
 ASSESSMENT ID: MECH/ADP-1112
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ADP
 MDAC ID: 1112
 ITEM: STOW MICROSWITCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1500A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1500
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1500
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1500
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1501A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1501
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1501
 NASA FMEA #: 05-6EE-2002-2

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1501
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1502A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1502
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1502
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1502
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1503A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1503
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1503
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1503
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1504A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1504
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1504
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1504
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1505A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1505
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1505
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1505
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1506A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1506
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1506
 NASA FMEA #: 05-6EE-2002-2
 SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1506
 ITEM: +28V CONTACT #4
 LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1507A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1507
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1507
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1507
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1508A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1508
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1508
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1508
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1509A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1509
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1509
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1509
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1510A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1510
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1510
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1510
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1511A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1511
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1511
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1511
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1512A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1512
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88	NASA DATA:
ASSESSMENT ID: MECH/ADP-1512	BASELINE []
NASA FMEA #: 05-6EE-2002-2	NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1512
ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 / 1R]	[P]	[F]	[P]	[A] (ADD/DELETE)
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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE	[]
INADEQUATE	[]

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1513A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1513
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1513
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1513
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1514A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1514
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1514
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1514
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1515A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1515
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1515
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1515
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1516A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1516
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1516
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1516
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1517A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1517
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1517
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1517
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1518A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1518
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1518
 NASA FMEA #: 05-6EE-2002-2

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1518
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1519A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1519
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1520A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1520
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1520
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1520
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1521A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1521
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1521
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1521
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1522A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1522
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1522
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1522
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1523A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1523
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1523
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1523
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1532A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1532
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1532
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1532
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1533
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1533
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1533A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1534
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1534A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1534
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1534
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1534
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1535A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1535
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1535
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1535
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1536A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1536
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1536
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1536
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1537A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1537
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1537
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1537
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1538A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1538
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1538
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1538
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1539A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1539
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1539
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1539
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1540A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1540
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1540
 NASA FMEA #: 05-6EE-2002-2
 SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1540
 ITEM: +28V CONTACT #1
 LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1541A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1541
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1541
 NASA FMEA #: 05-6EE-2002-2
 SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1541
 ITEM: +28V CONTACT #1
 LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1542A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1542
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1542
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1542
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1543A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1543
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1543
 NASA FMEA #: 05-6EE-2002-2
 SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1543
 ITEM: +28V CONTACT #2
 LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	
IOA	[3 /1R]	[P]	[F]	[P]	[X] *
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1544A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1544
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 / 1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1544
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1544
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1545A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1545
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1545
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1545
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1546A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1546
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1546
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1546
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1547A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1547
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1547
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1547
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1548A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1548
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1548
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1548
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[F]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1549A
 NASA FMEA #: 05-6EE-2002-1
 SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1549
 ITEM: +28V CONTACT #1
 LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1549
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1549
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 / 1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1550A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1550
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88	NASA DATA:
ASSESSMENT ID: MECH/ADP-1550	BASELINE []
NASA FMEA #: 05-6EE-2002-2	NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1550
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY	SCREENS		CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]	[P]	[F]	[P]	[A] (ADD/DELETE)
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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE	[]
INADEQUATE	[]

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1551A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1551
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1551
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1551
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1552A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1552
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1552
 NASA FMEA #: 05-6EE-2002-2

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1552
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1553A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1553
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1553
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1553
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1554A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1554
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1554
 NASA FMEA #: 05-6EE-2002-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1554
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1555A
 NASA FMEA #: 05-6EE-2002-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1555
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 / 1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

REPORT DATE 22 JULY 1988

C.10-111

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1555
 NASA FMEA #: 05-6EE-2002-2
 SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1555
 ITEM: +28V CONTACT #4
 LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[2 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1557
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1557
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1559
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1559
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1560
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1560
 ITEM: CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1561
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1561
 ITEM: CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1562
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1562
 ITEM: CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/08/88
 ASSESSMENT ID: MECH/ADP-1563
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1563
 ITEM: CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/19/88
 ASSESSMENT ID: MECH/ADP-1589
 NASA FMEA #: 05-6EE-2017-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1589
 ITEM: AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/19/88
 ASSESSMENT ID: MECH/ADP-1591
 NASA FMEA #: 05-6EE-2017-1
 SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1591
 ITEM: TIME DELAY

NASA DATA:
 BASELINE []
 NEW [X]

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/19/88
 ASSESSMENT ID: MECH/ADP-1593
 NASA FMEA #: 05-6EE-2017-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1593
 ITEM: SOLID STATE DRIVER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/21/88
 ASSESSMENT ID: MECH/ADP-1595
 NASA FMEA #: 05-6EE-2016-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1595
 ITEM: REMOTE POWER CONTROLLER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/21/88
 ASSESSMENT ID: MECH/ADP-1597
 NASA FMEA #: 05-6EE-2016-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1597
 ITEM: REMOTE POWER CONTROLLER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[]	[N]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/22/88
 ASSESSMENT ID: MECH/ADP-1600
 NASA FMEA #: 05-6EE-2015-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1600
 ITEM: SWITCH RELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/22/88
 ASSESSMENT ID: MECH/ADP-1602
 NASA FMEA #: 05-6EE-2015-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1602
 ITEM: LATCH RELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1604
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1604
 ITEM: EMI FILTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1605
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1605
 ITEM: EMI FILTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1606
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1606
 ITEM: OP AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[]
IOA	[3 / 3]	[]	[]	[]	[X] *
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1607
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1607
 ITEM: OP AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1608
NASA FMEA #:

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1608
ITEM: REGULATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1609
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1609
 ITEM: REGULATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1610
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1610
 ITEM: GENERATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1611
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1611
 ITEM: GENERATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1612
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1612
 ITEM: CLOCK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[]
IOA	[3 /1R]	[P]	[F]	[P]	[X] *
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1613
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1613
 ITEM: CLOCK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1614
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1614
 ITEM: +Q TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1615
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1615
 ITEM: +Q TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1616
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1616
 ITEM: -Q TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1617
 NASA FMEA #: NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1617
 ITEM: -Q TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1618
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1618
 ITEM: TRANSFORMER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1619
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1619
 ITEM: TRANSFORMER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1620
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1620
 ITEM: +10V AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1621
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1621
 ITEM: +10V AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1622
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1622
 ITEM: -10V AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[]
IOA	[3 / 3]	[]	[]	[]	[X] *
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1623
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1623
 ITEM: -10V AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
ASSESSMENT ID: MECH/ADP-1624
NASA FMEA #:

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1624
ITEM: +10V TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1625
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1625
 ITEM: +10V TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1626
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1626
 ITEM: -10V TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/25/88
 ASSESSMENT ID: MECH/ADP-1627
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1627
 ITEM: -10V TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1628
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1628
 ITEM: POWER SUPPLY TEST AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1629
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1629
 ITEM: POWER SUPPLY TEST AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1630
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1630
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1631
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1631
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1632
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1632
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1633
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1633
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1634
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1634
 ITEM: THERMISTER THERMOMETER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1635
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1635
 ITEM: THERMISTER THERMOMETER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1636
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1636
 ITEM: FIELD EFFECT TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1637
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1637
 ITEM: FIELD EFFECT TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1638
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1638
 ITEM: CONTROL CIRCUIT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1639
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1639
 ITEM: CONTROL CIRCUIT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1640
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1640
 ITEM: READ ONLY MEMORY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1641
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1641
 ITEM: READ ONLY MEMORY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1642
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1642
 ITEM: TRANSDUCER TEMP AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1643
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1643
 ITEM: TRANSDUCER TEMP AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1644
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1644
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[]
IOA	[3 / 3]	[]	[]	[]	[X] *
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1646
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1646
 ITEM: TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[X]
COMPARE	[/]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1647
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1647
 ITEM: TRANSISTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1648
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1648
 ITEM: AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1649
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1649
 ITEM: AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1650
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1650
 ITEM: SERIAL SHIFT REGISTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1651
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1651
 ITEM: SERIAL SHIFT REGISTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1652
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1652
 ITEM: BINARY COUNTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	
IOA	[3 /1R]	[P]	[F]	[P]	[X] *
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1653
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1653
 ITEM: BINARY COUNTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1654
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1654
 ITEM: ADDRESSABLE SWITCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1655
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1655
 ITEM: ADDRESSABLE SWITCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1656
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1656
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1657
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1657
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[F]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1658
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1658
 ITEM: SWITCHING LADDER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	
IOA	[3 / 1R]	[P]	[F]	[P]	[] *
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1659
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1659
 ITEM: SWITCHING LADDER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1660
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1660
 ITEM: POLARITY DETECTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1661
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1661
 ITEM: POLARITY DETECTOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1662
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1662
 ITEM: CONTROL LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1663
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1663
 ITEM: CONTROL LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1664
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1664
 ITEM: REGISTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1665
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1665
 ITEM: REGISTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1666
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1666
 ITEM: DISCREET INPUT BUFFER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	
IOA	[3 /1R]	[P]	[F]	[P]	[X] *
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1668
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1668
 ITEM: SERIAL/PARALLEL CONVERTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1669
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1669
 ITEM: SERIAL/PARALLEL CONVERTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 1R]	[P]	[F]	[P]	[X]
COMPARE	[/ N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1670
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1670
 ITEM: OSCILLATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[]
IOA	[3 /1R]	[P]	[F]	[P]	[X] *
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1671
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1671
 ITEM: OSCILLATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1672
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1672
 ITEM: 2 MH2 CLOCK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1673
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1673
 ITEM: 2 MH2 CLOCK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1674
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1674
 ITEM: 1 MH2 CLOCK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 1R]	[P]	[F]	[P]	[X]
COMPARE	[/ N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1675
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1675
 ITEM: 1 MH2 CLOCK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1676
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1676
 ITEM: 500 MH2 CLOCK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1677
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1677
 ITEM: 500 MH2 CLOCK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 1R]	[P]	[F]	[P]	[X]
COMPARE	[/ N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1678
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1678
 ITEM: COUNTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1679
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1679
 ITEM: COUNTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1680
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1680
 ITEM: OR GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1681
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1681
 ITEM: OR GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1682
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1682
 ITEM: SENSOR WINDOW GENERATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1683
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1683
 ITEM: SENSOR WINDOW GENERATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1684
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1684
 ITEM: BUFFER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

REPORT DATE 22 JULY 1988 C.10-208

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ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1685
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1685
 ITEM: BUFFER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1686
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1686
 ITEM: OUTPUT CONTROL

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1687
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1687
 ITEM: OUTPUT CONTROL

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88	NASA DATA:
ASSESSMENT ID: MECH/ADP-1688	BASELINE []
NASA FMEA #: 05-6EE-2014-1	NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
MDAC ID: 1688
ITEM: ENCODER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]	[P]	[P]	[P]	[] (ADD/DELETE)
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* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE	[]
INADEQUATE	[]

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1689
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1689
 ITEM: ENCODER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1690
 NASA FMEA #: 05-6EE-2014-1
 SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1690
 ITEM: AMP

NASA DATA:
 BASELINE []
 NEW [X]

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1691
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1691
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1692
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1692
 ITEM: CPU

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1693
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1693
 ITEM: CPU

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1694
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1694
 ITEM: SELECTOR LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1695
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1695
 ITEM: SELECTOR LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[F]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1696
 NASA FMEA #: 05-6EE-2014-1
 SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1696
 ITEM: READ ONLY MEMORY
 LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1697
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1697
 ITEM: ROM

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1698
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1698
 ITEM: READ/WRITE MEMORY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/26/88
 ASSESSMENT ID: MECH/ADP-1699
 NASA FMEA #: 05-6EE-2014-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/ADP/EPD&C
 MDAC ID: 1699
 ITEM: READ/WRITE MEMORY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ESP-2106
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ESP
 MDAC ID: 2106
 ITEM: ALL ITEMS NOT SHOWN ON MDAC ID 100-105 (WASHER,
 BUSHING, NUT, COTTER PIN, SAFETY WIRE, ETC)

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: MECH/OS-2500
NASA FMEA #: 01-4-CS12-1

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
MDAC ID: 2500
ITEM: ENVIRONMENTAL BARRIER

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE []

REMARKS:
THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2501 BASELINE []
 NASA FMEA #: 01-4-CS1-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2501
 ITEM: SEALS, WINDOW PANE ASSEMBLY

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: MECH/OS-2502
NASA FMEA #: 01-4-CS3-1

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
MDAC ID: 2502
ITEM: SEALS, WINDOW ASSEMBLY SPACER/RETAINER

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE []

REMARKS:
THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: _____
 ASSESSMENT ID: MECH/OS-2503
 NASA FMEA #: 01-4-CS4-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2503
 ITEM: SEALS, WINDOW ASSEMBLY INSTALLATION

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: MECH/OS-2504
NASA FMEA #: 01-4-CS13-1

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
MDAC ID: 2504
ITEM: SEALS, MANUFACTURING ACCESS PANEL

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2505 BASELINE []
 NASA FMEA #: 01-4-CS15-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2505
 ITEM: SEAL, FEED THROUGH PLATES, BULKHEADS

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:
 THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: MECH/OS-2506
NASA FMEA #: 01-4-CS17-1

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
MDAC ID: 2506
ITEM: SEAL ELECTRICAL FEEDTHROUGH CONNECTOR

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: _____
 ASSESSMENT ID: MECH/OS-2507
 NASA FMEA #: 01-4-CS18-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: 01-4-CS18-1
 MDAC ID: 2507
 ITEM: SEALS, HARD LINE FEED THROUGH FITTING

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: MECH/OS-2508
NASA FMEA #: 01-4-CS19-1

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: 01-4-CS19-1
MDAC ID: 2508
ITEM: SEALS, CREW MODULE, ETS FEEDTHROUGH BLANKING
PLUGS (OV-102 ONLY)

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2509 BASELINE []
 NASA FMEA #: 01-4-CS20-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2509
 ITEM: SEALS, AIRLOCK HATCH "A" AND "B" WINDOWS

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2510 BASELINE []
 NASA FMEA #: 01-4-CS22-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2510
 ITEM: SEALS, INNER PANES, SIDE HATCH WINDOW

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2511 BASELINE []
 NASA FMEA #: 01-4-CS24-1 NEW [X]

SUBSYSTEM: 01-4-CS24-1
 MDAC ID: 2511
 ITEM: SEAL, SIDE HATCH WINDOW ASSEMBLY

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2512 BASELINE []
 NASA FMEA #: 01-4-CS25-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2512
 ITEM: SEALS, AIRLOCK AND INGRESS/EGRESS HATCHES

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)
 [/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
 ADEQUATE [X]
 INADEQUATE []

REMARKS:
 THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE
 NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS
 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY
 IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: _____
 ASSESSMENT ID: MECH/OS-2513
 NASA FMEA #: 01-4-CS28-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2513
 ITEM: SEALS, TUNNEL/CREW MODULE STRUCTURAL INTERFACE

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2514 BASELINE []
 NASA FMEA #: 01-4-CS29-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2514
 ITEM: SEALS, SIDE HATCH TUNNEL SEPARATION PLANE

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2515 BASELINE []
 NASA FMEA #: 01-4-CS30-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2515
 ITEM: SEALS, AIRLOCK TO BULKHEAD STRUCTURAL INTERFACE

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2516 BASELINE []
 NASA FMEA #: 01-4-CS31-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2516
 ITEM: SEAL, BULKHEAD FEED THROUGH, WCCS LINES

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2517 BASELINE []
 NASA FMEA #: 01-4-CS32-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2517
 ITEM: SEAL, LATCH ACTUATOR TO HATCH STRUCTURE

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2518 BASELINE []
 NASA FMEA #: 01-4-CS34-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2518
 ITEM: SEAL, CREW MODULE, ETS PYRO LINE FITTINGS

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:
 THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: _____
 ASSESSMENT ID: MECH/OS-2519
 NASA FMEA #: 01-4-CS35-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2519
 ITEM: SEAL, CREW MODULE, FLIGHT DECK "BEANIE CAP"
 OVERHEAD PANEL (OV-102 ONLY)

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 / 1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2520 BASELINE []
 NASA FMEA #: 01-4-CS39-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2520
 ITEM: SEALS, STAR TRACKER BOOM COLLAR STRUCTURAL
 ATTACH AND COVER PLATE

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:		NASA DATA:
ASSESSMENT ID: MECH/OS-2521		BASELINE []
NASA FMEA #: 01-4-CS40-1		NEW [X]
SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)		
MDAC ID: 2521		
ITEM: SEAL, STAR TRACKER BOOM		
LEAD ANALYST: H. J. LOWERY		

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]	[]	[]	[]	[]
				(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE	[X]
INADEQUATE	[]

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: MECH/OS-2522
NASA FMEA #: 01-4-CS43-1

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
MDAC ID: 2522
ITEM: SEAL, STAR TRACKER WELL TO CREW MODULE STRUCTURE

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE []

REMARKS:
THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: MECH/OS-2523
NASA FMEA #: 01-4-CS44-1

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
MDAC ID: 2523
ITEM: SEAL, AFT BULKHEAD-POSITIVE PRESSURE RELIEF VALVES, BLEED VALVES & LEFT HAND SIDE-NEGATIVE PRESSURE RELIEF VALVES.

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: MECH/OS-2524
NASA FMEA #: 01-4-CS46-1

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
MDAC ID: 2524
ITEM: SEAL, VENT SEVERANCE PANEL

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2526 BASELINE []
 NASA FMEA #: 01-4-CS48-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2526
 ITEM: SEAL, AIR EQUALIZATION VALVES AND PRESSURE GAUGE
 TO HATCH STRUCTURE, AIRLOCK HATCHES

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:
 THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE
 NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS
 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY
 IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2527 BASELINE []
 NASA FMEA #: 01-4-CS49-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2527
 ITEM: SEAL, AFT BULKHEAD-VACUUM VENT ISOLATION VALVE

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: MECH/OS-2528
NASA FMEA #: 01-4-CS51-1

NASA DATA:
BASELINE []
NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
MDAC ID: 2528
ITEM: SEAL, TEST PORT CAP, CABIN FILL, SIDE HATCH

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
 ASSESSMENT ID: MECH/OS-2529 BASELINE []
 NASA FMEA #: 01-4-CS52-1 NEW [X]

SUBSYSTEM: MAS/CMS (CREW MODULE SEALS)
 MDAC ID: 2529
 ITEM: SEAL, FEED THROUGH PLATE, AIRLOCK

LEAD ANALYST: H. J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []

(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:
 THE ISSUE AROSE DUE TO DIFFERENCES IN GROUND RULES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THIS FAILURE WAS NOT INITIALLY ANALYZED OR ASSESSED BY IOA. HOWEVER, IOA HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/88
 ASSESSMENT ID: MECH/MS-2700
 NASA FMEA #: 02-3A-A2-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/SEPARATION, ORBITER/ET
 MDAC ID: 2700
 ITEM: DEBRIS CONTAINER, AFT ATTACH

LEAD ANALYST: R. O'DONNELL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THIS FAILURE WAS NOT INITIALLY ANALYZED BY IOA DUE TO DIFFERENCES BETWEEN THE NASA/RI AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. ON REVIEW OF THE FMEA/CIL, IOA/MDAC HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/88
 ASSESSMENT ID: MECH/MS-2701
 NASA FMEA #: 02-3A-U2-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/SEPARATION, ORBITER/ET
 MDAC ID: 2701
 ITEM: DEBRIS CONTAINER, UMBILICAL SEPARATION SYSTEM

LEAD ANALYST: R. O'DONNELL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THIS FAILURE WAS NOT INITIALLY ANALYZED BY IOA DUE TO DIFFERENCES BETWEEN THE NASA/RI AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. ON REVIEW OF THE FMEA/CIL, IOA/MDAC HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/88
 ASSESSMENT ID: MECH/MS-2702
 NASA FMEA #: 02-3A-F4-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/SEPARATION, ORBITER/ET
 MDAC ID: 2702
 ITEM: SPHERICAL BEARING, ORBITER/ET FORWARD ATTACH

LEAD ANALYST: R. O'DONNELL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THIS FAILURE WAS NOT INITIALLY ANALYZED BY IOA DUE TO DIFFERENCES BETWEEN THE NASA/RI AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. ON REVIEW OF THE FMEA/CIL, IOA/MDAC HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/88
 ASSESSMENT ID: MECH/MS-2703
 NASA FMEA #: 02-3A-A5-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/SEPARATION, ORBITER/ET
 MDAC ID: 2703
 ITEM: BOLT, AFT ATTACH

LEAD ANALYST: R. O'DONNELL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THIS FAILURE WAS NOT INITIALLY ANALYZED BY IOA DUE TO DIFFERENCES BETWEEN THE NASA/RI AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. ON REVIEW OF THE FMEA/CIL, IOA/MDAC HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/88
 ASSESSMENT ID: MECH/MS-2704
 NASA FMEA #: 02-3A-U3-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/SEPARATION, ORBITER/ET
 MDAC ID: 2704
 ITEM: STUD, UMBILICAL ATTACH

LEAD ANALYST: R. O'DONNELL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THIS FAILURE WAS NOT INITIALLY ANALYZED BY IOA DUE TO DIFFERENCES BETWEEN THE NASA/RI AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. ON REVIEW OF THE FMEA/CIL, IOA/MDAC HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/88
 ASSESSMENT ID: MECH/MS-2705
 NASA FMEA #: 02-3A-A7-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/SEPARATION, ORBITER/ET
 MDAC ID: 2705
 ITEM: HOLE PLUGGER/COVER ASSY, ORBITER/ET AFT ATTACH

LEAD ANALYST: R. O'DONNELL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THIS FAILURE WAS NOT INITIALLY ANALYZED BY IOA DUE TO DIFFERENCES BETWEEN THE NASA/RI AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. ON REVIEW OF THE FMEA/CIL, IOA/MDAC HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/88
 ASSESSMENT ID: MECH/MS-2706
 NASA FMEA #: 02-3A-U6-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/SEPARATION, ORBITER/ET
 MDAC ID: 2706
 ITEM: UMBILICAL CLOSEOUT CURTAIN

LEAD ANALYST: R. O'DONNELL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THIS FAILURE WAS NOT INITIALLY ANALYZED BY IOA DUE TO DIFFERENCES BETWEEN THE NASA/RI AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. ON REVIEW OF THE FMEA/CIL, IOA/MDAC HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/88
 ASSESSMENT ID: MECH/MS-2707
 NASA FMEA #: 02-3A-U8-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/SEPARATION, ORBITER/ET
 MDAC ID: 2707
 ITEM: ELECTRICAL DISCONNECT ASSEMBLY, UMBILICAL

LEAD ANALYST: R. O'DONNELL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THIS FAILURE WAS NOT INITIALLY ANALYZED BY IOA DUE TO DIFFERENCES BETWEEN THE NASA/RI AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. ON REVIEW OF THE FMEA/CIL, IOA/MDAC HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/88
 ASSESSMENT ID: MECH/MS-2708
 NASA FMEA #: 02-3A-U8-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/SEPARATION, ORBITER/ET
 MDAC ID: 2708
 ITEM: ELECTRICAL DISCONNECT ASSEMBLY, UMBILICAL

LEAD ANALYST: R. O'DONNELL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 / 1]	[]	[]	[]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THIS FAILURE WAS NOT INITIALLY ANALYZED BY IOA DUE TO DIFFERENCES BETWEEN THE NASA/RI AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. ON REVIEW OF THE FMEA/CIL, IOA/MDAC HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 6/06/88
 ASSESSMENT ID: MECH/MS-2709
 NASA FMEA #: 02-3A-U7-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/SEPARATION, ORBITER/ET
 MDAC ID: 2709
 ITEM: SIDE RESTRAINT STRUT, UMBILICAL

LEAD ANALYST: R. O'DONNELL

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[/]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [X]
 INADEQUATE []

REMARKS:

THIS FAILURE WAS NOT INITIALLY ANALYZED BY IOA DUE TO DIFFERENCES BETWEEN THE NASA/RI AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. ON REVIEW OF THE FMEA/CIL, IOA/MDAC HAS NO ISSUE WITH THE NASA FMEA/CIL.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3102
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD
 MDAC ID: 3102
 ITEM: CENTERLINE MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/ETU-3110
NASA FMEA #:

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: MECH/ETUD
MDAC ID: 3110
ITEM: CENTERLINE LATCH LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3112
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD
 MDAC ID: 3112
 ITEM: DOOR CLOSURE MOTOR CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3118
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD
 MDAC ID: 3118
 ITEM: DOOR LINKAGE ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY		REDUNDANCY SCREENS			CIL ITEM
	FLIGHT	HDW/FUNC	A	B	C	
NASA	[/]	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[/]	[]	[]	[]	[]
COMPARE	[N / N]	[/]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3125
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD
 MDAC ID: 3125
 ITEM: DOOR CLOSURE LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3144
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD
 MDAC ID: 3144
 ITEM: READY TO LATCH LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3504
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3504
 ITEM: RELAY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3511
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3511
 ITEM: ET UMBILICAL DOOR OPEN-CLOSE SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3512
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3512
 ITEM: ET UMBILICAL DOOR LATCH-RELEASE SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3513
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3513
 ITEM: ET UMBILICAL DOOR LATCH-RELEASE SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3514
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3514
 ITEM: ET UMBILICAL DOOR LATCH-RELEASE SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3515
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3515
 ITEM: CONTROL BUS FUSE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3516
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3516
 ITEM: MCA AC POWER CIRCUIT BREAKER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3517
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3517
 ITEM: MCA RELAY LOGIC POWER SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	* []
IOA	[2 /1R]	[P]	[P]	[P]	
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3518
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3518
 ITEM: MCA RELAY LOGIC POWER SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3519
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3519
 ITEM: REMOTE POWER CONTROLLER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3520
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3520
 ITEM: HYBRID CIRCUIT DRIVER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3521
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3521
 ITEM: HYBRID CIRCUIT DRIVER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3524
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3524
 ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 1R]	[P]	[F]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3525
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3525
 ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[F]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3526
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3526
 ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[F]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3527
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3527
 ITEM: FUSE, 1A, TO ACTUATOR STATUS SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3528
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3528
 ITEM: RESISTOR, 1.2K, TO MCA LOGIC SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 1R]	[P]	[F]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/ETU-3529
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/ETUD/EPD&C
 MDAC ID: 3529
 ITEM: RESISTOR, 1.2K, TO MCA LOGIC SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4101
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4101
 ITEM: GUILLOTINE/PRESSURE CARTRIDGE

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 /1]	[]	[]	[]	[]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4102
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4102
 ITEM: GUILLOTINE/PRESSURE CARTRIDGE

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 2]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4103
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4103
 ITEM: NUT/BREECH

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4104
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4104
 ITEM: NUT/BREECH

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4105
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4105
 ITEM: INPUT/OUTPUT SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4106
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4106
 ITEM: INPUT/OUTPUT SHAFT - HOUSING

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4107
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4107
 ITEM: STOW LIMIT SWITCHES (S1 & 2) ACTUATOR
 LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4108
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4108
 ITEM: STOW LIMIT SWITCHES (S1 & 2) ACTUATOR

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4109
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4109
 ITEM: DEPLOY LIMIT SWITCHES (S5 & 6)

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
		NASA [/]	[]	[]	
IOA [2 /1R]	[P]	[P]	[P]	[]	
COMPARE [N /N]	[N]	[N]	[N]	[]	

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4110
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4110
 ITEM: DEPLOY LIMIT SWITCHES (S5 & 6)

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 1R]	[P]	[P]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4111
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4111
 ITEM: GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4112
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4112
 ITEM: GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/KBD-4113
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD
 MDAC ID: 4113
 ITEM: ALL ITEMS NOT SHOWN ON MDAC ID 4101 - 4112

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4500
 NASA FMEA #: 05-6EH-56060-6

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4500
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4501
 NASA FMEA #: 05-6EH-56060-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4501
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

FAILURE OF A SINGLE SWITCH POLE/CONTACT SET OPEN WOULD NOT CAUSE
 LOSS OF VEHICLE/MISSION. FAILURE OF REDUNDANT HARDWARE COULD
 CAUSE LOSS OF VEHICLE/MISSION AND NOT CONSIDERED READILY APPARENT
 DURING FLIGHT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88	NASA DATA:
ASSESSMENT ID: MECH/KBD-4501A	BASELINE []
NASA FMEA #: 05-6EH-56060-3	NEW [X]
SUBSYSTEM: MECH/KBD/EPD&C	
MDAC ID: 4501	
ITEM: +28V CONTACT #1	
LEAD ANALYST: A.D. MONTGOMERY	

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS		CIL ITEM
		A B C		
NASA	[2 /1R]	[P] [NA] [P]		[X] *
IOA	[3 /3]	[] [] []		[X]
COMPARE	[N /N]	[N] [N] [N]		[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]	[P]	[F]	[P]	[A]
				(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE	[]
INADEQUATE	[]

REMARKS:

IOA/AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4502
 NASA FMEA #: 05-6EH-56060-6

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4502
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4503
 NASA FMEA #: 05-6EH-56060-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4503
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4503A
 NASA FMEA #: 05-6EH-56060-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4503
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4504
 NASA FMEA #: 05-6EH-56060-6

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4504
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4505
 NASA FMEA #: 05-6EH-56060-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4505
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4505A
 NASA FMEA #: 05-6EH-56060-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4505
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4506
 NASA FMEA #: 05-6EH-56060-6

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4506
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4507
 NASA FMEA #: 05-6EH-56060-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4507
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4507A
 NASA FMEA #: 05-6EH-56060-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4507
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4508
 NASA FMEA #: 05-6EH-56060-6

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4508
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4509
 NASA FMEA #: 05-6EH-56060-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4509
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4509A
 NASA FMEA #: 05-6EH-56060-3
 SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4509
 ITEM: +28V CONTACT #1
 LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW [X]

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4510
 NASA FMEA #: 05-6EH-56060-6

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4510
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4511
 NASA FMEA #: 05-6EH-56060-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4511
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4511A
 NASA FMEA #: 05-6EH-56060-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4511
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4512
 NASA FMEA #: 05-6EH-56060-6

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4512
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4513
 NASA FMEA #: 05-6EH-56060-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4513
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
		NASA [2 /1R]	[P]	[NA]	
IOA [3 /1R]	[P]	[F]	[P]	[X]	
COMPARE [N /]	[]	[N]	[]	[]	

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4513A
 NASA FMEA #: 05-6EH-56060-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4513
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4514
 NASA FMEA #: 05-6EH-56060-6

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4514
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4515
 NASA FMEA #: 05-6EH-56060-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4515
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4515A
 NASA FMEA #: 05-6EH-56060-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4515
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4516
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4516
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4517
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4517
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4517A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4517
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4518
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4518
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4519
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4519
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4519A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4519
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4520
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4520
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4521
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4521
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4521A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4521
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4522
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4522
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4523
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4523
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4523A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4523
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4524
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4524
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4525
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4525
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4525A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4525
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4526
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4526
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4527
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4527
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4527A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4527
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4528
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4528
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4529
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4529
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4529A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4529
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4530
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4530
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4531
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4531
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4531A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4531
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4532
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4532
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4533
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4533
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4533A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4533
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4534
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4534
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4535
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4535
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4535A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4535
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4536
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4536
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4537
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4537
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4537A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4537
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/03/88
 ASSESSMENT ID: MECH/KBD-4538
 NASA FMEA #: 05-6EH-56000-4

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4538
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4539
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4539
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4539A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4539
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4540
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4540
 ITEM: TALKBACK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4540A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4540
 ITEM: TALKBACK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4541
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4541
 ITEM: TALKBACK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4541A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4541
 ITEM: TALKBACK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4542
 NASA FMEA #: 05-6EH-56000-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4542
 ITEM: TALKBACK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4542A
 NASA FMEA #: 05-6EH-56000-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4542
 ITEM: TALKBACK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [P] [P] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4543
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4543
 ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [X]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4544
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4544
 ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4545
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4545
 ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4546
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4546
 ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4548
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4548
 ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /2R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4551
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4551
 ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4552
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4552
 ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4553
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4553
 ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4554
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4554
 ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4556
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4556
 ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /2R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4559
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4559
 ITEM: K14

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4560
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4560
 ITEM: K14

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMIANING ISSUES BY BE ATTRIBUTED
 TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4561
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4561
 ITEM: K68

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4562
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4562
 ITEM: K68

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4564
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4564
 ITEM: K72

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /2R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4566
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4566
 ITEM: K70

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /2R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4567
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4567
 ITEM: STOW MICROSWITCH #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4568
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4568
 ITEM: STOW MICROSWITCH #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4570
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4570
 ITEM: DEPLOY MICROSWITCH #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4571
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4571
 ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4572
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4572
 ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NO ALREADY IDENTIFIED BY NASA, THE REMAINIG ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUES IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4573
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4573
 ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4573A
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4573
 ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4576
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4576
 ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /2R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4578
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4578
 ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /2R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4579
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4579
 ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4580
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4580
 ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4581
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4581
 ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4582
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4582
 ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4586
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4586
 ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 2R]	[P]	[F]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4587
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4587
 ITEM: K25

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4588
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4588
 ITEM: K25

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4589
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4589
 ITEM: K2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4591
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4591
 ITEM: K2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4593
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4593
 ITEM: K27

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /2R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4595
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4595
 ITEM: K37

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /2R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4596
 NASA FMEA #: 05-6EH-56021-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4596
 ITEM: STOW MICROSWITCH #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/04/88
 ASSESSMENT ID: MECH/KBD-4597
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4597
 ITEM: STOW MICROSWITCH #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DISCREPANCIES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4599
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4599
 ITEM: DEPLOY MICROSWITCH #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DISCREPANCIES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4600
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4600
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUE MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4601
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4601
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 1R]	[P]	[F]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUE MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4602
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4602
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUE MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4603
 NASA FMEA #:
 SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4603
 ITEM: +28V CONTACT #2
 LEAD ANALYST: A.D. MONTGOMERY

NASA DATA:
 BASELINE []
 NEW []

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUE MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4604
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4604
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUE MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4605
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4605
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUE MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4606
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4606
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUE MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4607
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4607
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUE MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4608
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4608
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4609
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4609
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4610
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4610
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4611
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4611
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4612
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4612
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4613
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4613
 ITEM: +28V CONTACT #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4614
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4614
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4615
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4615
 ITEM: +28V CONTACT #4

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4616
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4616
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4617
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4617
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4618
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4618
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4619
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4619
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4620
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4620
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4621
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4621
 ITEM: +28V CONTACT #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4622
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4622
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4623
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4623
 ITEM: +28V CONTACT #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4624
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4624
 ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4625
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4625
 ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4626
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4626
 ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4627
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4627
 ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4628
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4628
 ITEM: 40 MS TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4629
 NASA FMEA #: _____

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4629
 ITEM: 40 MS TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA [/]	[]	[]	[]	[]	[] *
IOA [3 /1R]	[P]	[F]	[P]	[]	[]
COMPARE [N /N]	[N]	[N]	[N]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4630
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4630
 ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4631
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4631
 ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4632
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4632
 ITEM: AND GATE #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	* []
IOA	[3 /1R]	[P]	[F]	[P]	
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4633
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4633
 ITEM: AND GATE #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4634
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4634
 ITEM: 4 SECOND TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4635
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4635
 ITEM: 4 SECOND TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4636
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4636
 ITEM: AMP #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4637
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4637
 ITEM: AMP #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4638
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4638
 ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4639
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4639
 ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4640
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4640
 ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4641
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4641
 ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4642
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4642
 ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4643
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4643
 ITEM: AND GATE #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4644
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4644
 ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4645
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4645
 ITEM: AND GATE #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4646
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4646
 ITEM: 40 MS TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4647
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4647
 ITEM: 40 MS TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4648
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4648
 ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4649
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4649
 ITEM: AMP #1

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4650
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4650
 ITEM: AND GATE #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4651
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4651
 ITEM: AND GATE #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4652
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4652
 ITEM: 4 SECOND TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4653
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4653
 ITEM: 4 SECOND TIME DELAY

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4654
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4654
 ITEM: AMP #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4655
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4655
 ITEM: AMP #3

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[F]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4656
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4656
 ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4657
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4657
 ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
ASSESSMENT ID: MECH/KBD-4658
NASA FMEA #:

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: MECH/KBD/EPD&C
MDAC ID: 4658
ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4659
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4659
 ITEM: EXPLOSIVE INITIATOR

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4660
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4660
 ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4661
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4661
 ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4662
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4662
 ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4663
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4663
 ITEM: AMP #2

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4664
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4664
 ITEM: CONVERTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4665
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4665
 ITEM: CONVERTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4666
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4666
 ITEM: INVERTED AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4667
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4667
 ITEM: INVERTED AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4668
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4668
 ITEM: CAPACITOR BANK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4669
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4669
 ITEM: CAPACITOR BANK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4670
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4670
 ITEM: AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4671
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4671
 ITEM: AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4672
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4672
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4673
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4673
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4674
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4674
 ITEM: TEST LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4675
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4675
 ITEM: TEST LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4676
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4676
 ITEM: CONVERTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4677
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4677
 ITEM: CONVERTER

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4678
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4678
 ITEM: INVERTED AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4679
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4679
 ITEM: INVERTED AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4680
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4680
 ITEM: CAPACITOR BANK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4681
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4681
 ITEM: CAPACITOR BANK

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4682
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4682
 ITEM: AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUAE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4683
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4683
 ITEM: AND GATE

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 1R]	[P]	[F]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4684
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4684
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4685
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4685
 ITEM: AMP

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4686
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4686
 ITEM: TEST LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/05/88
 ASSESSMENT ID: MECH/KBD-4687
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/KBD/EPD&C
 MDAC ID: 4687
 ITEM: TEST LOGIC

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5116
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5116
 ITEM: CENTERLINE/BULKHEAD OPEN LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5117
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5117
 ITEM: CENTERLINE/BULKHEAD OPEN LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /2R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5118
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5118
 ITEM: CENTERLINE/BULKHEAD CLOSED LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5141
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5141
 ITEM: BULKHEAD ROLLER ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5142
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5142
 ITEM: BULKHEAD DOOR CLOSED SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
ASSESSMENT ID: MECH/PBD-5143
NASA FMEA #:

NASA DATA:
BASELINE []
NEW []

SUBSYSTEM: MECH/PBD
MDAC ID: 5143
ITEM: BULKHEAD DOOR CLOSED SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5148
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5148
 ITEM: PAYLOAD BAY DOOR DRIVE CLUTCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5160
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5160
 ITEM: PAYLOAD BAY DOOR DRIVE SUPPORT BEARING ASSEMBLY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5170
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5170
 ITEM: PAYLOAD BAY DOOR OPEN LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

RATIONAL RETENTION

(If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5171
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5171
 ITEM: PAYLOAD BAY DOOR OPEN LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 2R]	[P]	[P]	[p]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5172
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5172
 ITEM: PAYLOAD BAY DOOR 88 DEGREES LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5173
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5173
 ITEM: PAYLOAD BAY DOOR 88 DEGREES LIMIT SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5174
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5174
 ITEM: PAYLOAD BAY DOOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5175
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5175
 ITEM: PAYLOAD BAY DOOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[1 / 1]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5177
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD
 MDAC ID: 5177
 ITEM: PAYLOAD BAY DOOR ALIGNMENT ROLLER GUIDE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5501
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5501
 ITEM: CONTROL BUS 1.2K RESISTOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5503
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5503
 ITEM: CONTROL BUS 1.2K RESISTOR

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5506
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5506
 ITEM: PAYLOAD BAY DOOR MECHANICAL POWER SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 / 1R]	[P]	[P]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5509
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5509
 ITEM: DIODE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5510
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5510
 ITEM: DIODE

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5511
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5511
 ITEM: SWITCH RESISTOR, 1.2K 2W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5512
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5512
 ITEM: SWITCH RESISTOR, 1.2K 2W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5513
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5513
 ITEM: SWITCH RESISTOR, 1.2K 2W

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5514
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5514
 ITEM: PAYLOAD BAY DOORS AC BUS RELAY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5515
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5515
 ITEM: PAYLOAD BAY DOORS AC BUS RELAY

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5516
 NASA FMEA #: NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5516
 ITEM: MCA AC POWER CIRCUIT BREAKER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-5518
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5518
 ITEM: MCA RELAY LOGIC POWER SWITCH

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-6101
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBD/EPD&C
 MDAC ID: 5519
 ITEM: REMOTE POWER CONTROLLER

LEAD ANALYST: J. BACHER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-6102
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBR
 MDAC ID: 6101
 ITEM: MOTOR

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/PBD-6103
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBR
 MDAC ID: 6102
 ITEM: MOTOR BRAKE

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/PBR-6105
 NASA FMEA #: 02-4G-183-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/PBR
 MDAC ID: 6105
 ITEM: TORQUE LIMITER

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[F]	[F]	[P]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3] [] [] [] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE [X]

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/PBR-6106
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBR
 MDAC ID: 6106
 ITEM: DIFFERENTIAL ASSEMBLY

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 1R]	[P]	[P]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/PBR-6109
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBR
 MDAC ID: 6109
 ITEM: LIMIT SWITCHES, RELEASE (S1), (S3), (S4)

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	* []
IOA	[3 / 3]	[]	[]	[]	
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/PBR-6112
 NASA FMEA #: 02-4G-181-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/PBR
 MDAC ID: 6112
 ITEM: LATCH ROTARY ACTUATOR

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[NA]	[P]	[] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /3] [] [] [] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/PBR-6202
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBR
 MDAC ID: 6202
 ITEM: MOTOR BRAKE

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
		NASA [/]	[]	[]	
IOA [3 / 3]	[]	[]	[]	[]	
COMPARE [N / N]	[]	[]	[]	[]	

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/PBR-6206
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBR
 MDAC ID: 6206
 ITEM: DIFFERENTIAL ASSEMBLY

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/PBR-6209
 NASA FMEA #: NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBR
 MDAC ID: 6209
 ITEM: LIMIT SWITCHES, DEPLOY (S1, S2, S4)

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/PBR-6210
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PBR
 MDAC ID: 6210
 ITEM: LIMIT SWITCHES, STOW (S1, S2, S3)

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/PBR-6213
 NASA FMEA #: 02-4G-152-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/PBR
 MDAC ID: 6213
 ITEM: DEPLOYMENT CRANK AND LINK

LEAD ANALYST: W.T. SLAUGHTER

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[1 /1]	[]	[]	[]	[X] *
IOA	[3 /3]	[]	[]	[]	[]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3] [] [] [] [D]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/16/88
 ASSESSMENT ID: MECH/PH-7100
 NASA FMEA #: 02-4A-593309-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/PH
 MDAC ID: 7100
 ITEM: PRESSURE PORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 / 3]	[]	[]	[]	[] *
IOA	[3 / 1R]	[P]	[F]	[P]	[X]
COMPARE	[/ N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 / 1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/16/88
 ASSESSMENT ID: MECH/PH-7101
 NASA FMEA #: 02-4A-593309-1

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/PH
 MDAC ID: 7101
 ITEM: PRESSURE PORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[]	[]	[]	[] *
IOA	[1 /1]	[]	[]	[]	[X]
COMPARE	[N /N]	[]	[]	[]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/88
 ASSESSMENT ID: MECH/PH-7102
 NASA FMEA #: 02-4A-593302-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/PH
 MDAC ID: 7102
 ITEM: O RING

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[F]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/88
 ASSESSMENT ID: MECH/PH-7103
 NASA FMEA #: 02-4A-593302-2

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/PH
 MDAC ID: 7103
 ITEM: O RING

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[F]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/88
 ASSESSMENT ID: MECH/PH-7104
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PH
 MDAC ID: 7104
 ITEM: VIEWPORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/11/88
 ASSESSMENT ID: MECH/PH-7105
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PH
 MDAC ID: 7105
 ITEM: VIEWPORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
 ASSESSMENT ID: MECH/PH-7112
 NASA FMEA #: 02-4A-593202-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/PH
 MDAC ID: 7112
 ITEM: O RING

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
 ASSESSMENT ID: MECH/PH-7113
 NASA FMEA #: 02-4A-593202-3

NASA DATA:
 BASELINE []
 NEW [X]

SUBSYSTEM: MECH/PH
 MDAC ID: 7113
 ITEM: O RING

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R] [P] [F] [P] [A]
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

IOA/MDAC AGREES WITH THE FMEA. THE ISSUE IS WITHDRAWN BY
 IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
 ASSESSMENT ID: MECH/PH-7114
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PH
 MDAC ID: 7114
 ITEM: VIEWPORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[F]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
 ASSESSMENT ID: MECH/PH-7115
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PH
 MDAC ID: 7115
 ITEM: VIEWPORT

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
 ASSESSMENT ID: MECH/PH-7116
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PH
 MDAC ID: 7116
 ITEM: VIEWPORT LATCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/12/88
 ASSESSMENT ID: MECH/PH-7117
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/PH
 MDAC ID: 7117
 ITEM: VIEWPORT LATCH

LEAD ANALYST: A.D. MONTGOMERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/VDM-8109
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/VDM
 MDAC ID: 8109
 ITEM: ALL ITEMS NOT SHOWN ON MDAC ID 8100 - 8108

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/VDM-8501
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/VDM/EPD&C
 MDAC ID: 8501
 ITEM: ACTUATOR MOTOR

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/VDM-8504
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/VDM/EPD&C
 MDAC ID: 8504
 ITEM: MCA PURGE SIGNAL DRIVER

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/VDM-8505
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/VDM/EPD&C
 MDAC ID: 8505
 ITEM: MCA DC POWER BUS

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/VDM-8506
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/VDM/EPD&C
 MDAC ID: 8506
 ITEM: MCA AC POWER BUS

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/VDM-8509
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/VDM/EPD&C
 MDAC ID: 8509
 ITEM: ELECTRICAL CONNECTORS/PINS

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/VDM-8510
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/VDM/EPD&C
 MDAC ID: 8510
 ITEM: CABLES/WIRING

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] [] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/VDM-8514
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/VDM/EPD&C
 MDAC ID: 8514
 ITEM: FUSE

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	* []
IOA	[2 /1R]	[P]	[NA]	[P]	
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/VDM-8515
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/VDM/EPD&C
 MDAC ID: 8515
 ITEM: RESISTOR

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/19/88
 ASSESSMENT ID: MECH/VDM-8516
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/VDM/EPD&C
 MDAC ID: 8516
 ITEM: RESISTOR

LEAD ANALYST: M. BRADWAY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[2 /1R]	[P]	[NA]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/SDM-9102
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/SDM
 MDAC ID: 9102
 ITEM: OPEN LIMIT SWITCHES (S1 & 3) ACTUATOR

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 1R]	[P]	[P]	[P]	[]
COMPARE	[N / N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASSA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/SDM-9103
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/SDM
 MDAC ID: 9103
 ITEM: STOW LIMIT SWITCHES (S1 & 3) ACTUATOR

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[]
IOA	[3 / 3]	[]	[]	[]	[] *
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/SDM-9104
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/SDM
 MDAC ID: 9104
 ITEM: DEPLOY LIMIT SWITCHES (S2 & 4)

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/SDM-9105
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/SDM
 MDAC ID: 9105
 ITEM: DEPLOY LIMIT SWITCHES (S2 & 4)

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/SDM-9106
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/SDM
 MDAC ID: 9106
 ITEM: GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:
 AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT
 ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE
 ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS
 WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/SDM-9107
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/SDM
 MDAC ID: 9107
 ITEM: GEAR TRAIN ASSEMBLY

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 /1R]	[P]	[P]	[P]	[]
COMPARE	[N /N]	[N]	[N]	[N]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

AFTER COMPARISON, THERE WERE NO DISCREPANCIES FOUND THAT WERE NOT ALREADY IDENTIFIED BY NASA, THE REMAINING ISSUES MAY BE ATTRIBUTED TO DIFFERENCES IN GROUND RULES. THE ISSUE IS WITHDRAWN BY IOA/MDAC.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 2/17/88
 ASSESSMENT ID: MECH/SDM-9108
 NASA FMEA #:

NASA DATA:
 BASELINE []
 NEW []

SUBSYSTEM: MECH/SDM
 MDAC ID: 9108
 ITEM: ALL ITEMS NOT SHOWN ON MDAC ID 9100-9107

LEAD ANALYST: H.J. LOWERY

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[]	[]	[]	[] *
IOA	[3 / 3]	[]	[]	[]	[]
COMPARE	[N / N]	[]	[]	[]	[]

RECOMMENDATIONS: (If different from NASA)

[/] [] [] [] []
 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE []
 INADEQUATE []

REMARKS:

THE ISSUE AROSE DUE TO DIFFERENCES BETWEEN THE NASA AND IOA
 FMEA/CIL INTERPRETATION AND IMPLEMENTATION OF NSTS 22206. THE
 ISSUE IS WITHDRAWN BY IOA/MDAC.



