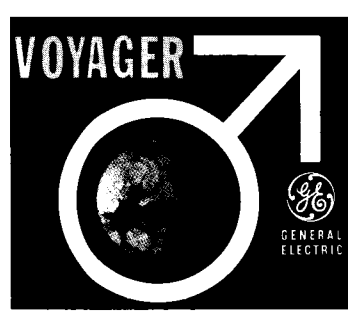


MISSILE AND SPACE DIVISION



PHASE IA, TASK C FINAL REPORT

FACILITY FORM 602

N67-40422
(ACCESSION NUMBER)

78
(PAGES)

OR-89715
(NASA CR OR TMX OR AD NUMBER)

(THRU)

1
(CODE)

11
(CATEGORY)

GPO PRICE \$ _____

CFSTI PRICE(S) \$ _____

Hard copy (HC) 3.00

Microfiche (MF) 165

853 July 65

GENERAL  ELECTRIC

DOCUMENT NUMBER VOY-CO-FR
28 JULY 1967

VOLUME 5
DATA MANAGEMENT STUDY

APPENDIX K
CONTRACTOR DATA PACKAGE
DATA MANAGEMENT (DM)

PREPARED BY

H.C. THOMAS
A.W. MORRIS
J.E. NITSCHÉ
R.I. TOFF

APPROVED BY

A. Frank

A. FRANK, COGNIZANT ENGINEER
DATA MANAGEMENT AND CONTROL TASK
VOYAGER SPACECRAFT SYSTEM PROJECT

DATA MANAGEMENT
VOYAGER SPACECRAFT SYSTEM PROJECT

PREPARED FOR

JET PROPULSION LABORATORY
CALIFORNIA INSTITUTE OF TECHNOLOGY
4800 OAK GROVE DRIVE
PASADENA, CALIFORNIA

UNDER JPL CONTRACT No. 951112

GENERAL  ELECTRIC

MISSILE AND SPACE DIVISION
Valley Forge Space Technology Center
P. O. Box 8555 • Philadelphia, Penna. 19101

TABLE OF CONTENTS

Section	Page
1 INTRODUCTION.	1-1
2 DATA ITEM LIST/USER MATRIX.	2-1
3 USER FLOW DIAGRAMS	3-1
4 DATA REQUIREMENT DESCRIPTIONS (DRD'S)	4-1
5 DOCUMENTATION RELATIONSHIP TREES	5-1
6 DATA ITEM PHASING/FREQUENCY	6-1

INTRODUCTION

This appendix presents the Contractor Data Package (Data Item Matrix, Data Requirement Description, User Flow Diagram, Document Relationship Tree, and Frequency and Phasing Charts) for Data Management (DM).

These data relate to the overall management system for identifying, defining, reviewing, and controlling any data generated and/or used by Project elements.

The complete list of Contractor Data Package appendixes is as follows:

- Appendix A - Technical Description and System Engineering (SE)
- Appendix B - Planetary Quarantine (PQ)
- Appendix C - Manufacturing (MG)
- Appendix D - Configuration Management (CM)
- Appendix E - Quality Assurance (QA)
- Appendix F - Test (TE) and Mission Operations (MP)
- Appendix G - Reliability Assurance (RA)
- Appendix H - Logistics and Support (LS)
- Appendix I - Overall Management (MA), Scheduling (SC), and Manning and Financial (MF)
- Appendix J - Procurement and Contracting (PC)
- Appendix K - Data Management (DM)
- Appendix L* - Facilities (FA)
- Appendix M* - Safety (SA)
- Appendix N* - Site Activation for Launch (AL)
- Appendix O* - Science (SI)
- Appendix P* - Related Project Interfaces (RP)
- Appendix Q* - Advanced Missions (AM)

* Appendixes L through Q prepared under Contract NAS 7-584

DATA ITEM NUMBER	1 of 3 DATA ITEM <u>DATA MANAGEMENT</u>	DESCRIPTION
	<u>LISTS</u>	
DM-001	*Index, Schedule and Status Document Management	Consolidates information from DRD's in ADP responsibility for key actions and the schedule
DM-020	Index, Document Management Schedule and Status of Key Documents	Provides status against production milestones designated as Key by the Voyager System Of
DM-002	Index, Formal Data Items	Provides automatic data processing (ADP) tabulation of project and contractor information search a
DM-003	Index, Informal Data Items	An ADP tabulation of contractor-generated data
DM-004	Index, Special Purpose	ADP print-outs from data bank to meet special requirements
DM-005	List, Contact Report	An automatic data processing print-out of a contact report. Provides summary information and enables
DM-006	List, Document Distribution	An ADP print-out showing approved distribution for each data item.
	<u>MINUTES</u>	
DM-007	*Minutes, Data Review Board Meetings	A record of Contractor Data Review Board

* KEY INFORMAL DATA

DATA ITEM LIST/USER MATRIX

	APPLICABILITY TO FUNCTIONAL USERS AT CONTRACTOR LEVEL															
	SE	PQ	MG	CM	QA	TE	RA	LS	MA	SC	PC	MF	MP	DM	FA	
Print-out form showing schedule for completing them.	-	-	-	-	-	-	-	-	-	U	-	-	-	A	-	
Drawings/schedules for documents in office.	-	-	-	-	-	-	-	-	-	U	-	-	-	A	-	
Compilation of formal data items for storage and retrieval.	U	U	U	U	U	U	U	U	U	U	U	U	U	A	-	
Documents not covered by DRD.	U	U	U	U	U	U	U	U	U	U	U	U	U	A	-	
Special user needs.	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-	
Full contractor contact reports. Retrieval of complete report.	-	-	-	-	-	-	-	-	U	-	U	-	-	A	-	
Location and related information	-	-	-	-	-	-	-	-	-	-	U	-	-	A	-	
Meetings.	-	-	-	-	-	-	-	-	-	-	-	-	-	R	-	

U - USE R - REVIEW AUTHORITY A - APPROVAL AUTHORITY PM - PROJECT MANAGER APPROVAL

					APPLICABILITY AT SUBCONTRACTOR/VENDOR/SUPPLIER LEVELS						APPLICABILITY TO PROJECT BOARDS											
SA	AL	SI	RP	AM	PRINCIPAL SUB-CONTRACTORS	MAJOR SUB-CONTRACTORS	KEY SUBCON AND VENDORS	OTHER VENDORS	KEY SUPPLIERS	KEY SUBSUPPLIERS	CONFIGURATION CONTROL	CONFIGURATION MANAGEMENT	DATA REVIEW	DESIGN REVIEW	FAILURE REVIEW	INTEGRATED SAFETY	INTEGRATED TEST	MAKE OR BUY	MATERIAL REVIEW	SOURCE EVALUATION	SOURCE SELECTION	
-	-	-	-	-	NA	NA	NA	NA	NA	NA	-	-	U	-	-	-	-	-	-	-	-	-
-	U	-	-	-	S	S	(S)	NA	NA	NA	U	-	-	-	-	-	-	-	-	-	-	-
-	-	U	U	U	C/S	C/S	S	NA	(C/S)	(S)	-	-	U	-	-	-	-	-	-	-	-	-
-	-	U	-	U	S	S	S	NA	(C/S)	NA	-	-	U	-	-	-	-	-	-	-	-	-
-	U	-	U	-	NA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	U	-	NA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
-	U	-	-	-	S	S	(S)	NA	NA	NA	-	-	U	-	-	-	-	-	-	-	-	-
-	-	-	-	-	NA	NA	NA	NA	NA	NA	-	-	A	-	-	-	-	-	-	-	-	-

C - PREPARED BY CONTRACTOR

S - PREPARED BY SUBCONTRACTOR/VENDOR/SUPPLIER

() - OPTIONAL APPLICATION

NA - NOT APPLICABLE

DATA ITEM NUMBER	DATA ITEM	DESCRIPTION
	2 of 3	
	<u>DATA MANAGEMENT</u>	
	<u>PLANS</u>	
DM-008	Plan, Contractor Data Acquisition Flow	Shows relationship of data items to hardware and events on specialized user system flow d
DM-009	Plan, Data Management (Contractor)	Provides a summary of contractor's data ma criteria and constraints governing identificat technical and management data.
	<u>PROCEDURES</u>	
DM-010	Procedure, Data Program Support	Defines criteria governing use of support sen data management program. Describes data available and how to use them.
DM-011	Procedure, Data Systems, Controls and Records	Defines criteria governing mechanization of processing systems. Provides a compendium for such systems.
DM-012	Procedure, Data Preparation, Submittal and Review	Defines criteria governing generation and acc compendium of standards and procedures for
DM 114	Procedure, Establishment of Data Requirement	Describes means by which requirements for defined. Provides catalog of representative to base such determination and definition.
DM-024	Procedure, Data Program Training	Describes means for instructing contractor p program as a management tool. Provides a training aids available for such instruction.
	<u>RECORDS</u>	
DM-023	*Project Information Request/Release	Used for project correspondence within the contractor's data bank. Functional top appro

* KEY INFORMAL DATA

DATA ITEM LIST/USER MATRIX

	APPLICABILITY TO FUNCTIONAL USERS AT CONTRACTOR LEVEL															
	SE	PQ	MG	CM	QA	TE	RA	LS	MA	SC	PC	MF	MP	DM	FA	S
and software activities ograms.	-	-	-	-	-	-	-	-	A	-	-	-	-	R	-	
agement policies, provides ion, definition, and control of	-	-	-	-	-	-	-	-	PM	-	-	U	-	R	-	
ervices in implementation of management services	U	U	U	U	U	U	U	U	U	U	U	U	U	A	-	
ata handling and data of specifications and procedures	U	U	U	U	U	U	U	U	U	U	U	U	U	A	-	
quisition of data items. Provides a data item inspection and acceptance.	U	U	U	U	U	U	U	U	U	U	U	U	U	A	-	
ata are determined and ata requirements on which	U	U	U	U	U	U	U	U	U	U	U	U	U	A	-	
ersonnel in use of data ollection of printed	U	U	U	U	U	U	U	U	R	U	U	U	U	A	-	
ontractor's house, included in al (A) as appropriate.	U	U	U	U	U	U	U	U	U	U	U	U	U	R	-	

U - USE R - REVIEW AUTHORITY A - APPROVAL AUTHORITY PM - PROJECT MANAGER APPROVAL

					APPLICABILITY AT SUBCONTRACTOR/VENDOR/SUPPLIER LEVELS						APPLICABILITY TO PROJECT BOARDS											
SA	AL	SI	RP	AM	PRINCIPAL SUB-CONTRACTORS	MAJOR SUB-CONTRACTORS	KEY SUBCON AND VENDORS	OTHER VENDORS	KEY SUPPLIERS	KEY SUBSUPPLIERS	CONFIGURATION CONTROL	CONFIGURATION MANAGEMENT	DATA REVIEW	DESIGN REVIEW	FAILURE REVIEW	INTEGRATED SAFETY	INTEGRATED TEST	MAKE OR BUY	MATERIAL REVIEW	SOURCE EVALUATION	SOURCE SELECTION	
-	-	-	-	-	S	S	(S)	NA	NA	NA	-	-	U	-	-	-	-	-	-	-	-	-
-	-	-	U	-	S	S	(S)	NA	NA	NA	-	-	U	-	-	-	-	-	-	-	-	-
-	-	U	-	-	S	S	(S)	NA	(S)	NA	-	-	U	-	-	-	-	-	-	-	-	-
-	-	U	U	-	S	S	(S)	NA	(S)	NA	-	-	U	-	-	-	-	-	-	-	-	-
-	-	U	-	-	S	S	(S)	NA	(S)	NA	-	-	U	-	-	-	-	-	-	-	-	-
-	-	U	-	-	S	S	(S)	NA	(S)	NA	-	-	U	-	-	-	-	-	-	-	-	-
-	U	U	U	U	NA	NA	NA	NA	NA	NA	U	U	U	U	U	-	U	U	U	U	U	U

DATA ITEM NUMBER	3 of 3 DATA ITEM <u>DATA MANAGEMENT</u>	DESCRIPTION
	<u>REPORTS</u>	
DM-015	Report, Cost Accumulation Formal Data	Report of formal data costs. A periodic report against each DRD.
DM-016	Report, Document Distribution Control	Automatic data processing printouts showing a data to authorized recipients, custodians, etc.
DM-017	Report, Facility Capability and Loading Data Reproduction Processing and Dissemination	Describes contractor capabilities for production (ADP) and dissemination of data. Also includes facilities.
DM-018	Report, Informal Data Audit	Reports audit activities of the data manager to production and cost of informal data.
DM-019	Report, Specialized User System Description	Describes specialized user systems, including of data handled, equipment, etc.
	<u>REQUESTS</u>	
DM-021	Distribution Change Request	Used to request changes to approved data distribution
DM-022	DRD Change Request	Used to expedite formal requests for changes

* KEY INFORMAL DATA

					APPLICABILITY AT SUBCONTRACTOR/VENDOR/SUPPLIER LEVELS						APPLICABILITY TO PROJECT BOARDS											
SA	AL	SI	RP	AM	PRINCIPAL SUB-CONTRACTORS	MAJOR SUB-CONTRACTORS	KEY SUBCON AND VENDORS	OTHER VENDORS	KEY SUPPLIERS	KEY SUBSUPPLIERS	CONFIGURATION CONTROL	CONFIGURATION MANAGEMENT	DATA REVIEW	DESIGN REVIEW	FAILURE REVIEW	INTEGRATED SAFETY	INTEGRATED TEST	MAKE OR BUY	MATERIAL REVIEW	SOURCE EVALUATION	SOURCE SELECTION	
-	U	-	-	-	S	S	(S)	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	S	S	(S)	NA	NA	NA	-	-	U	-	-	-	-	-	-	-	-	-
-	-	-	-	-	NA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	S	S	(S)	NA	NA	NA	-	-	U	-	-	-	-	-	-	-	-	-
-	-	-	U	-	S	S	(S)	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-
-	-	U	-	U	S	S	(S)	NA	NA	NA	-	-	-	U	-	-	-	-	-	-	-	-
-	U	U	-	U	S	S	(S)	NA	NA	NA	-	-	-	U	-	-	-	-	-	-	-	-

C - PREPARED BY CONTRACTOR S - PREPARED BY SUBCONTRACTOR/VENDOR/SUPPLIER () - OPTIONAL APPLICATION NA - NOT APPLICABLE

USER FLOW DIAGRAMS

Data Management (DM) User Flow Diagrams have been incorporated in the Voyager Data Management System Summary Flow Diagram shown in Section 4 of the basic report (Volume 5).

Data Management Requirement Descriptions

<u>DRD Number</u>	<u>Title</u>
DM-001	*Index, Document Management Schedule and Status for Key Documents
DM-002	Index, Formal Data Items
DM-003	Index, Informal Data Items
DM-004	Index, Special Purpose
DM-005	List, Contact Report
DM-006	List, Document Distribution
DM-007	*Minutes, Data Review Board Meetings
DM-008	Plan, Contractor Data Acquisition Flow
DM-009	Plan, Data Management (Contractor)
DM-010	Procedure, Data Program Support
DM-011	Procedure, Data Systems, Controls and Records
DM-012	Procedure, Data Preparation, Submittal and Review
DM-015	Report, Cost Accumulation Formal Data
DM-016	Report, Document Distribution Control
DM-017	Report, Facility Capability and Loading Data Reproduction, Processing and Dissemination
DM-018	Report, Informal Data Audit
DM-019	Report, Specialized User System Description
DM-020	Index, Document Management Schedule and Status of Key Documents
DM-021	Distribution Change Request
DM-022	DRD Change Request
DM-023	*Project Information Request/Release
DM-024	Procedure, Data Program Training
DM-114	Procedure, Establishment of Data Requirements

* Key Informal Data

GE EXHIBIT DRD DM-001

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-001

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. The Document Management Schedule and Status Index is the master index for the document management schedule and measurements subsystem. It is maintained in tape and disc form (disc for activities scheduled to start within 1 year, tape for all other). Both are updated by punched cards as events are completed.
2. The Index contains the following information on each data item;
 - a. Data item (DRD response) number (preassigned)
 - b. Office (function) responsible for each major activity associated with satisfying requirements of the DRD, i.e., preparation, production, reproduction, automatic data processing, distribution, etc.
 - c. Planned date of completion for each major activity
 - d. Actual date of completion for each major activity.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD DM-001

3. Each issue of the Index is in three sequences:
 - a. By Data Requirements List and DRL line number to enable determination of schedule and status for a specific document
 - b. By responsible organization to show the total load, specific data items, and milestones scheduled, completed, and overdue for each participating organization
 - c. By data item due date to show schedule and status of each data item against its planned issue date.

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-002

A complete index shall be required each month. Supplements, showing additions and deletions, shall be issued weekly.

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. The Formal Data Items Index shall be divided into two parts, with each part applicably titled to correspond with the following:

Part I. Shall contain information applicable to those data items retained in the repository for which the organization is the project custodian.

Part II. Shall contain information applicable to those data items retained in the repository for which the organization is not the project custodian but is a user and/or DRD generator.

2. In addition to title and date of index issuance, each index shall contain the following information applicable to each data item in the repository.
 - a. DRD (response) number.
 - b. Data item title
 - c. Number of copies on hand
 - d. Data received by control library (repository)
 - e. Indication if reproducible master is on file
 - f. Date of primary reproduction - if custodian
 - g. Date of secondary reproduction(s) - if custodian
 - h. Number of copies reproduced (both primary and secondary) during current period and inception-to-date.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD DM-002

- i. From whom received and number of copies or masters
 - j. Number of copies on loan
 - k. Minimum essential quantities required on hand (before reorder is required)
 - l. Name (or ID number) of custodian - if Part 2 type data item
 - m. Number of copies distributed during current period and inception-to-date
 - n. Cross-indexing number if different from DRD (response) number.
3. Each part shall be divided into two subparts, with each subpart being identical in form, format and content. Each subpart shall, however, be in different sequences as following:

Subpart 1 - Shall be sequenced in accordance with DRD number.

Subpart 2 - Shall be alphabetically sequenced by data item title in accordance with the key word in context (KWIC) method.

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-003

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. The Informal Data Items Index shall contain the following information pertinent to each informal data item:
 - a. Data item identification number, if applicable.
 - b. Title
 - c. Identification of issuer.
 - d. Identification of recipient(s).
 - e. Date of issuance.
 - f. Data received by control library.
 - g. Number of copies on hand (in control library).

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-004

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. The Special Purpose Index shall present the following information for each data item in the special request group:
 - a. Title.
 - b. Date of issue.
 - c. Date of latest revision.
 - d. Retrieval number.
 - e. Other information requested by user (if available and retrievable from Voyager Data Bank).

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD DM-005

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:		
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-005		
TITLE OF DOCUMENT: LIST, CONTACT REPORT				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:		
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:		
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:		
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 10			
USE OF DOCUMENT: To provide a composite of all contact reports and, as an index, enable the retrieval of the actual, more detailed contact report (s).				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:			
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:			
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-011, Procedure, Data Systems, Controls and Records MA-024, Report, Contact				FREQUENCY OF ISSUE:		PUBLICATION DATE:			
				<input type="checkbox"/> ANNUALLY <input checked="" type="checkbox"/> SEMI-ANNUALLY complete <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input checked="" type="checkbox"/> WEEKLY supplement <input type="checkbox"/> DAILY <input type="checkbox"/> OTHERWISE, AS SPECIFIED		SDR			
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN		UPDATE (FREQUENCY OR MILESTONE): Not applicable	
								ESTIMATED EXPIRATION DATE:	
FORM OF DATA: KIND OF DATA: <input type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input checked="" type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE <input type="checkbox"/> PLAN <input checked="" type="checkbox"/> COMPUTER CARD ORDER <input type="checkbox"/> PROCEDURE <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> REQUEST FOR ENGINEER- <input type="checkbox"/> REGULATION <input type="checkbox"/> MICROFILM (W/OR W/O CARD) ING CHANGE PROPOSAL <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> ENGINEERING CHANGE <input type="checkbox"/> SCHEDULE <u>ADP Printout</u> PROPOSAL <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> HANDBOOK <input type="checkbox"/> STANDARD <input type="checkbox"/> INDEX <input type="checkbox"/> VOUCHER				REFERENCE DOCUMENTS:					
								APPLICABLE STANDARDS:	
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)									
		DRAFT			DATE				
SUBMIT FOR REVIEW TO:		_____			_____				
			BY	_____		BY	_____		
		_____			_____				
			BY	_____		BY	_____		
SUBMIT FOR APPROVAL TO:		<u>Manager, Data</u>			_____				
		<u>Management</u>			_____				

DRD NO.:
DM-005

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. The Contact Report List shall provide the following information applicable to each contact and report:
 - a. Contact report number
 - b. Contactee.
 - c. Contactor.
 - d. Date of contact
 - e. Method of contact.
 - f. Location.
 - g. Attendees (name and/or organization represented).
 - h. Subject.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD DM-006

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:	
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: DM	OFFICE RESPONSIBLE FOR DRD: CODE:		DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-006
TITLE OF DOCUMENT: LIST, DOCUMENT DISTRIBUTION				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:	
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:	
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:	
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 3		
USE OF DOCUMENT: To establish approved distribution instructions for each formal data item				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:		
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-009, Plan, Data Management DM-012, Procedure, Data Preparation, Submittal and Review DM-022, Request, DRL/DRD Change				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:		
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED <input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN <input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input checked="" type="checkbox"/> BI-MONTHLY complete <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input type="checkbox"/> OTHERWISE, AS SPECIFIED		PUBLICATION DATE: SDR		
						UPDATE (FREQUENCY OR MILESTONE): Not applicable		
						ESTIMATED EXPIRATION DATE:		
FORM OF DATA: <input type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input checked="" type="checkbox"/> OTHER Automatic Data Processing Printout		KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input checked="" type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER		REFERENCE DOCUMENTS:				
				APPLICABLE STANDARDS:				
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)								
				DRAFT	DATE	PREPUBLICATION PROOF	DATE	
SUBMIT FOR REVIEW TO: _____				BY _____	_____	BY _____	_____	
SUBMIT FOR APPROVAL TO: _____				BY _____	_____	BY _____	_____	
_____				BY _____	_____	BY _____	_____	
_____				BY _____	_____	BY _____	_____	
_____				BY _____	_____	BY _____	_____	
_____				BY _____	_____	BY _____	_____	
_____				BY _____	_____	BY _____	_____	
_____				BY _____	_____	BY _____	_____	

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-006

Complete distribution list shall be provided bi-monthly. Weekly supplements shall be issued to reflect changes, additions and/or deletions only.

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Each Document Distribution List (total and supplemental) shall contain the following information:
 - a. Title line containing the document title (i. e., distribution list - total or supplemental), custodian identification, and issue date.
 - b. Each line item shall apply to a data item (DRD response) and shall contain the following information:
 - (1) DRD (response) number
 - (2) Data item title
 - (3) Identification of project elements (including custodian stock-pile) to receive copies and quantity.
 - (4) Form in which project element is to receive copies (i. e., reproducible, copies, microform, etc.)
 - (5) Date or frequency of distribution.
 - (6) Responsible for reproduction, project element.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD DM-007

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-007
TITLE OF DOCUMENT: * MINUTES, DATA REVIEW BOARD MEETINGS				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management	TASK OR SUBTASK:	DRL ITEM NO.:	
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:	DRL NO.:	LEVEL NO.:	
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:	DDL NO.:	FILE NO.:	
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 20	
USE OF DOCUMENT: Project record of DRB action and resulting action items on other project personnel				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-009, Plan, Data Management				FREQUENCY OF ISSUE:		PUBLICATION DATE:	
				<input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input checked="" type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE AS SPECIFIED As required		SDR	
						UPDATE (FREQUENCY OR MILESTONE): As required	
CLASSIFICATION:				ESTIMATED EXPIRATION DATE:			
<input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN	
FORM OF DATA:				REFERENCE DOCUMENTS:			
KIND OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input checked="" type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> PLAN <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> PROCEDURE <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> REGULATION <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> HANDBOOK <input type="checkbox"/> REPORT <input type="checkbox"/> OTHER <input type="checkbox"/> INDEX <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> STANDARD <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> VOUCHER				APPLICABLE STANDARDS:			
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)							
		DRAFT	DATE	PREPUBLICATION PROOF		DATE	
SUBMIT FOR REVIEW TO:		_____	_____	_____		_____	
		BY	_____			BY	_____
		_____	_____	_____		_____	
		BY	_____			BY	_____
SUBMIT FOR APPROVAL TO:		_____	_____	_____		_____	
		BY	_____			BY	_____
		Chairman, Data	_____			BY	_____
		Review Board	_____			BY	_____

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:
DM-007

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Data Review Board minutes must contain information applicable to the following subjects:
 - a. Date and place of meeting
 - b. Attendees and organizations represented
 - c. Actions taken - description
 - d. Open action items - description
 - (1) Person and organization responsible
 - (2) Date action item opened
 - (3) Data required

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD DM-008

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-008
TITLE OF DOCUMENT: PLAN, CONTRACTOR DATA ACQUISITION FLOW				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management	TASK OR SUBTASK:	DRL ITEM NO.:	
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:	DRL NO.:	LEVEL NO.:	
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:	DDL NO.:	FILE NO.:	
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 10	
USE OF DOCUMENT: Shows relationship of data items to Project activity and events (hardware and software). Serves as checklist to assure that all user data requirements are identified.				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-001, Plan, Data Management (Contractor) DM-019, Report, Specialized User System Description MA-001, *Project Change Notice MA-007, Plan, Project Implementation MA-009, Plan, Organization				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: SDR	
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> GROUP 1 <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> GROUP 2 <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> GROUP 3 <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input type="checkbox"/> GROUP 4 <input checked="" type="checkbox"/> UNCLASSIFIED <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> PUBLIC DOMAIN <input type="checkbox"/> NOFORN <input type="checkbox"/> SPECIAL HANDLING				UPDATE (FREQUENCY OR MILESTONE): As required		ESTIMATED EXPIRATION DATE:	
FORM OF DATA: KIND OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE ORDER <input checked="" type="checkbox"/> PLAN <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> PROCEDURE <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> REGULATION <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> REPORT <input type="checkbox"/> OTHER <input type="checkbox"/> SCHEDULE _____ <input type="checkbox"/> SPECIFICATION _____ <input type="checkbox"/> STANDARD _____ <input type="checkbox"/> VOUCHER				REFERENCE DOCUMENTS: Customer Data Management Manual			
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)				APPLICABLE STANDARDS:			
SUBMIT FOR REVIEW TO: _____		DRAFT		DATE		PREPUBLICATION PROOF	
_____				_____		DATE	
_____		BY		_____		BY	
_____				_____		_____	
_____				_____		_____	
SUBMIT FOR APPROVAL TO: _____		BY		_____		BY	
_____				_____		_____	
_____				_____		_____	
_____				_____		_____	
_____				_____		_____	
Project Manager				_____		_____	

DRD NO.:
DM-008

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. The Contractor Data Acquisition Flow Plan shall contain the following information:
 - a. Specialized user system flow diagrams which show the data outputs of and inputs to those hardware and software functions performed by each specialized user.
 - b. Narrative description of each specialized user system flow diagram.
 - c. Summary matrix which provides a tabular description of each flow diagram and shows all inputs and outputs of each specialized user data/information, use of such data, etc.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD DM-009

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. I. Toff	DATE: 7/28/67	CONTRACT NO.:
TITLE OF DOCUMENT: PLAN, DATA MANAGEMENT (CONTRACTOR)		ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:	DM-009	
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION		ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:		
USE OF DOCUMENT: Provides a summary of contractor's data management policies; provides criteria and constraints governing identification, definition, control of management, and technical data.		ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:		
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-008, Plan, Contractor Data Acquisition Flow DM-014, Procedure, Establishment of Data Requirements SC-002, Schedule, Project Level (PERT) SC-004, Schedule, Task and Subtask Level (PERT)		ESTIMATED COST (\$) FOR SINGLE PREPARATION:		NO. OF COPIES: 100		INFORMATION CUTOFF DATE OR MILESTONE:	
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED		<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN		ESTIMATED COST (\$) FOR SINGLE PREPARATION:	
FORM OF DATA:		KIND OF DATA:		FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		DATE DATA DUE TO USER:	
<input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input checked="" type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER		<input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX		<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input checked="" type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER		PUBLICATION DATE: SDR UPDATE (FREQUENCY OR MILESTONE): As required ESTIMATED EXPIRATION DATE:	
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)		REFERENCE DOCUMENTS:					
		APPLICABLE STANDARDS:					
SUBMIT FOR REVIEW TO: _____		DRAFT		DATE		PREPUBLICATION PROOF	
_____ BY _____						DATE	
_____ BY _____						_____	
SUBMIT FOR APPROVAL TO: Project Manager						_____	
_____ BY _____						_____	

DRD NO.:
DM-009

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

The Contractor Data Management Plan must prescribe, in detail, the organizations, systems, and procedures which best ensure compliance with the requirements of the Voyager Project Data Management Plan. Outline of plan content is as follows:

1. Introduction (Rationale behind and overview of program and concept).
2. Scope and applicability (What and whom the program covers and how).
3. General policies and procedures (Data management as a management discipline and as a project requirement, as well as interface considerations.)
4. Organization of program elements (General organization at all levels, details of interfaces among organizations, and general delineation of responsibilities and authorities.)
5. Program administration (Details of administrative criteria and constraints, detailed delineation of responsibilities and authorities, and specification of mandatory data management techniques to be used.)
6. Program implementation (Details of operational criteria and constraints, allocation of assignments, detailed delineation of responsibilities and authorities, specification of monitoring and reporting requirements, and data PERT and cost accounting.)

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

7. Appendixes
 - a. Organizations
 - b. Administrative procedures
 - c. Forms

GE EXHIBIT DRD DM-010

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-010
TITLE OF DOCUMENT: PROCEDURE, DATA PROGRAM SUPPORT				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STORAGE:		NO. OF COPIES: 100	
USE OF DOCUMENT: Defines criteria governing the use of support services for implementation of the Data Management Program. Describes services available from individual contractor elements.				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-009, Plan, Data Management (Contractor) MA-012, Plan, Facility				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: SDR	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN	
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER		KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX		<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input checked="" type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER		REFERENCE DOCUMENTS: Customer Data Management Manual	
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)				APPLICABLE STANDARDS:			
		DRAFT	DATE	PREPUBLICATION PROOF	DATE		
SUBMIT FOR REVIEW TO: _____			_____	_____	_____		
		BY	_____	_____	_____		
			_____	_____	_____		
			_____	_____	_____		
SUBMIT FOR APPROVAL TO: Manager, Data Management		BY	_____	_____	_____		

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-010

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

This Data Program Support Procedure shall contain the following:

1. Introduction (Rationale behind procedure and how to use it. Relationship with other procedures).
2. Scope and applicability (What the procedure covers and who is to use it when).
3. General policies and procedures (Maximum use of existing personnel, equipment, and facilities, cost and time tradeoffs).
4. Designation of support organizations (Authorities and responsibilities).
5. Use of support services (Overall procedures, accounting, and reporting).
6. Appendixes:
 - a. Capability register
 - b. Procedures
 - c. Forms

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:		
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-011		
TITLE OF DOCUMENT: PROCEDURE, DATA SYSTEMS, CONTROLS AND RECORDS				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:		
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:		
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:		
				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 100			
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:			
USE OF DOCUMENT: Defines criteria governing mechanization of data handling and data processing systems. Provides a compendium of specifications and procedures for the use of such systems.				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:			
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-009, Plan, Data Management (Contractor) MA-012, Plan, Facility				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: SDR			
						UPDATE (FREQUENCY OR MILESTONE): As required			
						ESTIMATED EXPIRATION DATE:			
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN			
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER				KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX				REFERENCE DOCUMENTS: Customer Data Management Manual	
				APPLICABLE STANDARDS:					
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)									
		DRAFT			DATE	PREPUBLICATION PROOF	DATE		
SUBMIT FOR REVIEW TO:		_____	_____		_____	_____	_____		
		_____	BY _____		_____	_____	_____		
		_____	_____		_____	_____	_____		
		_____	_____		_____	_____	_____		
SUBMIT FOR APPROVAL TO:		_____	_____		_____	_____	_____		
		Manager, Data	BY _____		_____	_____	_____		
		Management	_____		_____	_____	_____		

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-011

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

This Procedure contains the following:

1. Introduction (Rationale behind procedure and how to use it; relationship with other procedures).
2. Scope and applicability (What the procedure covers and who is to use it when).
3. General policies and procedures (Considerations affecting the selection and application of the various systems, controls, and records to be used for management of Voyager data; procedural criteria and constraints).
4. Information flow systems (Analytical considerations of system development; interface aspects; loading cycles; procedural controls).
5. Data transfer systems (Analytical considerations of system development; interface aspects; loading cycles; procedural controls).
6. Data accounting systems (Derivation of accounting and indexing schemes; input/output mechanisms; procedural controls; record-keeping requirements).
7. Appendixes:
 - a. Procedures
 - b. Flow diagrams
 - c. Indexes
 - d. Equipment specifications
 - e. Forms

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:		
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-012		
TITLE OF DOCUMENT: PROCEDURE, DATA PREPARATION, SUBMITTAL AND REVIEW				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:		
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:		
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:		
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 100			
USE OF DOCUMENT: Defines criteria governing generation and acquisition of data items. Provides a compendium of standards and procedures by which data items are inspected and accepted.				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:			
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:			
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-009, Plan, Data Management (Contractor)				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: SDR			
						UPDATE (FREQUENCY OR MILESTONE): As required thru launch			
CLASSIFICATION:						ESTIMATED EXPIRATION DATE:			
<input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED		<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN					
FORM OF DATA:		KIND OF DATA:		REFERENCE DOCUMENTS:					
<input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER		<input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX		<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input checked="" type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER		Customer Data Management Manual			
				APPLICABLE STANDARDS:					
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)									
		DRAFT	DATE	PREPUBLICATION PROOF		DATE			
SUBMIT FOR REVIEW TO:		_____	_____	_____		_____			
		_____	_____	_____		_____			
		_____	_____	_____		_____			
		_____	_____	_____		_____			
SUBMIT FOR APPROVAL TO:		<u>Manager, Data</u>	BY _____	_____		BY _____			
		<u>Management</u>	_____	_____		_____			

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-012

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

This Procedure contains the following information:

1. Introduction (Rationale behind procedure and how to use it; relationship with other procedures).
2. Scope and applicability (What the procedure covers and who is to use it when.)
3. General policies and procedures (Application of standards; criteria and constraints affecting preparation and production, selection and designation of submittal channels, reviewing authorities, etc.)
4. Preparation of data (Use of standards, procedures for allocation and review of work; quality and cost controls.)
5. Submittal of data (Delineation of submittal chains and procedures at various levels and in various organizations; means and mechanisms to be used for submittal.)
6. Review of data (Review criteria; technical review considerations; review cycles; procedures for inspection and acceptance; delineation of responsibilities and authorities.)
7. Appendixes:
 - a. Standards
 - b. Procedures
 - c. Forms

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY		DATE	DATA CATEGORY
ORGANIZATION ORIGINATING REQUIREMENT	CODE DM	OFFICE RESPONSIBLE FOR DRD	CODE	DRD PREPARED BY: R. Toff	DATE	CONTRACT NO.	DRD NO. DM-015
TITLE OF DOCUMENT: REPORT, COST ACCUMULATION, DATA MANAGEMENT FORMAL DATA				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK	DRL ITEM NO.
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.	LEVEL NO.
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.	FILE NO.
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE		NO OF COPIES 5	
USE OF DOCUMENT: Provides actual cost for satisfying each Data Requirements List line item Data Requirements Description for accumulating total project data costs.				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE.	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER.	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: MF-004, *Report, Vouchered Hours				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input checked="" type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input type="checkbox"/> OTHERWISE, AS SPECIFIED		PUBLICATION DATE: PDR	
						UPDATE (FREQUENCY OR MILESTONE). Not applicable	
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN	
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER		KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX		REFERENCE DOCUMENTS:		APPLICABLE STANDARDS:	
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)							
		DRAFT	DATE	PREPUBLICATION PROOF	DATE		
SUBMIT FOR REVIEW TO:		_____	_____	_____	_____		
		_____	_____	_____	_____		
		_____	_____	_____	_____		
		_____	_____	_____	_____		
SUBMIT FOR APPROVAL TO:		_____	_____	_____	_____		
Manager, Data Management		BY	_____	_____	BY _____		

SPECIAL INSTRUCTIONS:

DRD NO.
DM-015

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

The Formal Data Cost Accumulation Report shall provide the following information concerning each line item DRD:

1. Name and Federal Supply Code for Manufacturers (FSCM) of company making report
2. Date of report.
3. DRD number.
4. Title of document form DRD.
5. Cost for each of the following activities for the period being reported:
 - a. Generation
 - b. Production
 - c. Reproduction
 - d. ADP
 - e. Distribution
 - f. Storage
6. Total cost to date for each DRD.
7. Number of data items issued in response to each DRD.
8. Average cost for each DRD response (i. e., data item).

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD DM-016

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-016
TITLE OF DOCUMENT: REPORT, DOCUMENT DISTRIBUTION CONTROL				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STORAGE:		NO. OF COPIES: 5	
USE OF DOCUMENT: Identifies actual recipients of distributed documents. Used to maintain adequate distribution lists for ensuring distribution of minimum essential data.				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-006, List, Document Distribution DM-009, Plan, Data Management (Contractor)				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input checked="" type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input type="checkbox"/> OTHERWISE, AS SPECIFIED		PUBLICATION DATE: PDR	
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		UPDATE (FREQUENCY OR MILESTONE): Not applicable	
FORM OF DATA: <input type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER		KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX		REFERENCE DOCUMENTS: Customer Data Management Manual		APPLICABLE STANDARDS:	
<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input checked="" type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER		REVISIONS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)					
		SUBMIT FOR REVIEW TO: _____		DATE _____		PREPUBLICATION PROOF _____	
SUBMIT FOR APPROVAL TO: Manager, Data Management		BY _____		BY _____		BY _____	

DRD NO.:
DM-016

SPECIAL INSTRUCTIONS:

Data items to be included on this report to be selected by customer and contractor.

Report may take the form of automatic data processing printouts.

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

The Document Distribution Control Report includes the following information:

1. Name of company and Federal Supply Code for Manufacturers (FSCM) making report.
2. Date of report.
3. Identification number(s) and title of data items.
4. Name and FSCM of originator.
5. Date of transmittal.
6. Name, function, and address of recipient(s).
7. Date of receipt.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD DM-017

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-017
TITLE OF DOCUMENT: REPORT, FACILITY CAPABILITY AND LOADING-DATA REPRODUCTION, PROCESSING (AUTOMATIC DATA PROCESSING) AND DISSEMINATION.				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 3	
USE OF DOCUMENT: To inform the customer of utilization status of contractor facilities and for contractor control of loading.				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-009, Plan, Data Management (Contractor) MA-012, Plan, Facility				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input checked="" type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input type="checkbox"/> OTHERWISE, AS SPECIFIED		PUBLICATION DATE: PDR	
						UPDATE (FREQUENCY OR MILESTONE): Not applicable	
						ESTIMATED EXPIRATION DATE:	
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN	
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER		KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX		<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input checked="" type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER		REFERENCE DOCUMENTS:	
				APPLICABLE STANDARDS:			
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)							
		DRAFT			DATE		
SUBMIT FOR REVIEW TO:		_____		_____		_____	
		BY _____		_____		BY _____	
		_____		_____		_____	
		_____		_____		_____	
SUBMIT FOR APPROVAL TO:		_____		_____		_____	
		BY <u>Manager, Data Management</u>		_____		BY _____	
		_____		_____		_____	

SPECIAL INSTRUCTIONS:

DRD NO.:

DM-017

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Part 1 of the Report shall contain the estimated capability of the contractor data handling facilities available to the Voyager Project, for the production, reproduction, processing (automatic data processing), and dissemination of formal data.
2. Part 2 shall contain the actual loading for the past month and the predicted loading for the next 6 months of the facilities included in Part 1. This part shall also contain an estimate of the excess capacity available to the Project for the assignment of additional Voyager data reproduction work.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-018

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

The Informal Data Audit Report shall contain the following information:

1. Company name and Federal Supply Code for Manufacturers (FSCM) making report.
2. Date of report.
3. Number of informal data items produced per month.
4. Number of pages of informal data items submitted to reproduction per month.
5. Number of page copies reproduced per month.
6. Kind of reproduction and number of page copies of each.
7. Total cost of producing all informal data per month.
8. Total cost of reproducing all informal data per month.
9. Comparison of current month with the previous two monthly reports.
10. Reasons, if warranted, for load increase or decrease.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-019
TITLE OF DOCUMENT: REPORT, SPECIALIZED USER SYSTEM DESCRIPTION				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DOL NO.:	FILE NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT STORAGE:		NO. OF COPIES: 3	
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
USE OF DOCUMENT: To describe the design, functional performance and operating characteristics of a contractor system to facilitate inter-Project element integration and control.				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
				INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-009, Plan, Data Management (Contractor)			
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> GROUP 1 <input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> GROUP 2 <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> GROUP 3 <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROJECT DISCREET <input checked="" type="checkbox"/> UNCLASSIFIED <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> NOFORN <input type="checkbox"/> PUBLIC DOMAIN				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		UPDATE (FREQUENCY OR MILESTONE): As required thru HDR	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		ESTIMATED EXPIRATION DATE:	
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> PLAN <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> PROCEDURE <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input checked="" type="checkbox"/> REPORT <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> SCHEDULE <input type="checkbox"/> OTHER <input type="checkbox"/> PROPOSAL <input type="checkbox"/> SPECIFICATION _____ <input type="checkbox"/> HANDBOOK <input type="checkbox"/> STANDARD _____ <input type="checkbox"/> INDEX <input type="checkbox"/> VOUCHER				REFERENCE DOCUMENTS:			
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)				APPLICABLE STANDARDS:			
				DRAFT DATE PREPUBLICATION PROOF DATE			
SUBMIT FOR REVIEW TO: _____				_____			
_____				_____			
_____ BY _____				_____ BY _____			
_____				_____			
SUBMIT FOR APPROVAL TO: Manager, Data BY _____				_____ BY _____			
Management _____				_____			

SPECIAL INSTRUCTIONS:

DRD NO.:

DM-019

A separate report shall be prepared for each specialized user system employed by the contractor. Operating elements common to more than one system need be described in one report only and referenced in the others.

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

The Report shall contain the following information:

1. Summary statement of overall system requirements
2. Description of system design, including data flow diagrams, functions performed, and input/output capabilities (volume, speed, etc.)
3. Input processing, including edit checks, keypunch instructions, conversion (automatic data processing media) instructions, electronic accounting machine (EAM) functions
4. Computer operating instructions
5. Computer program listing(s), including adequate process description and flow diagrams
6. Peripheral equipment operating instructions
7. Remote interrogation instructions (for user)
8. Special instructions (handling, operating or use)

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-020
TITLE OF DOCUMENT: INDEX, DOCUMENT MANAGEMENT SCHEDULE AND STATUS FOR KEY DOCUMENTS				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STORAGE:		NO. OF COPIES: 5	
USE OF DOCUMENT: Provides status of production (milestone/schedule) of key documents.				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-001, Index, Document Management Schedule and Status DM-009, Plan, Data Management SC-004, Schedule, Task and Subtask Level (PERT)				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input checked="" type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input type="checkbox"/> OTHERWISE, AS SPECIFIED		PUBLICATION DATE: PDR	
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN	
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input checked="" type="checkbox"/> OTHER <u>ADP Printout</u>		KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX		<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input checked="" type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER		REFERENCE DOCUMENTS: Customer Data Management Manual	
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)				APPLICABLE STANDARDS:			
		DRAFT	DATE	PREPUBLICATION PROOF	DATE		
SUBMIT FOR REVIEW TO:		_____	_____	_____	_____		
		_____	_____	_____	_____		
		BY	_____	BY	_____		
		_____	_____	_____	_____		
		_____	_____	_____	_____		
SUBMIT FOR APPROVAL TO:		<u>Manager, Data</u>	_____	_____	_____		
		<u>Management</u>	_____	_____	_____		

SPECIAL INSTRUCTIONS:

DRD NO.:

DM-020

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

The Document Management Schedule and Status Index for key documents contains the following detailed information on each data item:

1. Data item (DRD response) number (preassigned)
2. Office (function) responsible for each task and subtask associated with satisfying requirements of the DRD, i. e., preparation, production, reproduction, distribution, automatic data processing, etc.
3. Planned date of completion for each task and subtask
4. Actual date of completion for each task and subtask

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-021

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

The Distribution Change Request shall contain the following information:

1. Company name and Federal Supply Code for Manufacturers (FSCM) of requestor.
2. Requestor's name and function.
3. Identification number of data item(s) for which a distribution change is requested.
4. Reason for request.
5. Current recipient's name and address.
6. New or changed recipient name and address.
7. Date of request.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

SPECIAL INSTRUCTIONS:

DRD NO.:

DM-022

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

The DRD Change Request shall contain the following information:

1. Company name and Federal Supply Code for Manufacturers (FSCM) making request.
2. Requestor's name and function.
3. Date of request.
4. Identification number of DRD and/or DRL as applicable.
5. Description and reason for requested change.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-023

SPECIAL DISTRIBUTION. (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

See page 3 for representative format and contents.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD DM-023

(COMPANY NAME)

(FSCM)

	*CLASS. LTR.	OPERATION	PROGRAM	SEQUENCE NO.	REV. LTR.
PIR NO. _____					
*USE "C" FOR CLASSIFIED AND "U" FOR UNCLASSIFIED					

PROJECT INFORMATION REQUEST/RELEASE

FROM		TO			
DATE SENT	DATE INFO. REQUIRED	PROJECT AND REQ. NO.		REFERENCE DIR. NO.	
SUBJECT					
INFORMATION REQUESTED/RELEASED					
				PAGE NO.	
				_____ OF _____	
				RETENTION REQUIREMENTS	
				COPIES FOR	
				<input type="checkbox"/> 1 MO.	<input type="checkbox"/> 3 MOS.
				<input type="checkbox"/> 3 MOS.	<input type="checkbox"/> 6 MOS.
				<input type="checkbox"/> 6 MOS.	<input type="checkbox"/> 12 MOS.
				<input type="checkbox"/> MOS.	<input type="checkbox"/> MOS.
				<input type="checkbox"/>	<input type="checkbox"/> DO NOT DESTROY

GE EXHIBIT DRD DM-024

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-024
TITLE OF DOCUMENT: PROCEDURE, DATA PROGRAM TRAINING				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 100	
USE OF DOCUMENT: Describes means for instructing contractor personnel in the use of the data program as a management tool. Provides a collection of training aids available for such instruction.				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-009, Plan, Data Management (Contractor)				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: SDR	
						UPDATE (FREQUENCY OR MILESTONE): As required thru CDR	
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN	
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER		KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX		<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input checked="" type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER		REFERENCE DOCUMENTS: Voyager Data Management Manual (JPL)	
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)				APPLICABLE STANDARDS:			
SUBMIT FOR REVIEW TO: _____		DATE: _____		PREPUBLICATION PROOF: _____		DATE: _____	
_____ BY _____		_____ BY _____		_____ BY _____		_____ BY _____	
SUBMIT FOR APPROVAL TO: Manager, Data Management		BY _____		PREPUBLICATION PROOF: _____		DATE: _____	

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-024

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

The Data Program Training procedure contains the following:

1. Introduction
(Rationale behind procedure and how to use is. Relationship with other procedures).
2. Scope and applicability
(What the procedure covers and who is to use it when).
3. General policies and procedures
(Criteria and constraints retraining: kinds of training, training cycles, etc.)
4. Training programs
(Separated out for data management personnel and users at various organizations and levels).
5. Appendixes:
 - (1) Visual aids
 - (2) Bibliography of training documents

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: DM	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: R. Toff	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: DM-114
TITLE OF DOCUMENT: PROCEDURE, ESTABLISHMENT OF DATA REQUIREMENTS				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Data Management		TASK OR SUBTASK:	DRL ITEM NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT STORAGE:		NO. OF COPIES: 100	
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
USE OF DOCUMENT: Describes means by which requirements for data are determined and defined. Provides a catalog of representative data requirements on which to base such determination and definition.				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: SDR	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: DM-008, Plan, Contractor Data Acquisition Flow DM-009, Plan, Data Management				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		UPDATE (FREQUENCY OR MILESTONE): As required thru launch	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		ESTIMATED EXPIRATION DATE:	
CLASSIFICATION:				GROUP 1		SPECIAL HANDLING	
<input type="checkbox"/> SECRET				<input type="checkbox"/> GROUP 2		<input type="checkbox"/> NASA DISCREET	
<input type="checkbox"/> CONFIDENTIAL				<input type="checkbox"/> GROUP 3		<input type="checkbox"/> JPL DISCREET	
<input type="checkbox"/> SECRET RESTRICTED DATA				<input type="checkbox"/> GROUP 4		<input type="checkbox"/> PROJECT DISCREET	
<input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA				<input type="checkbox"/> PROPRIETARY		<input type="checkbox"/> NOFORN	
<input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> PUBLIC DOMAIN			
FORM OF DATA:		KIND OF DATA:		REFERENCE DOCUMENTS:			
				Customer Data Management Manual			
<input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER		<input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX		<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input checked="" type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER		APPLICABLE STANDARDS:	
						APPLICABLE STANDARDS:	
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)							
		DRAFT	DATE	PREPUBLICATION PROOF	DATE		
SUBMIT FOR REVIEW TO: _____							
_____		BY	_____			BY	_____
_____			_____				_____
_____			_____				_____
SUBMIT FOR APPROVAL TO: Manager, Data Management		BY	_____			BY	_____
_____			_____				_____

SPECIAL INSTRUCTIONS:

DRD NO.:
DM-114

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

This Procedure shall contain the following:

1. Introduction (Rationale behind procedure and how to use it. Relationship with other procedures.)
2. Scope and applicability (What the volume covers and who is to use it when.)
3. General policies and procedures (Minimum essential data; categorization of data by functional management areas and by organizational levels and interfaces; requirements versus responses concept; vertical and horizontal relationships and traceability.)
4. Determination of requirements (Use of Voyager Data List; procedures for data calls; reviews of parent documents and contracts; analyses of communications interfaces.)
5. Definition of requirements (Use of Voyager Data Catalog; specification of sources and channels; determination of contents; preparation of DRD's.)
6. Validation of requirements (Screening of data packages; approval chains; organization and functions of data review boards.)
7. Imposition of requirements (Use of DRL's contract and noncontract; roles of DRD originators, data management organizations, contract administrators, responders, reviewers, accepters.)
8. Changes to requirements (Change procedures and cycles)

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD DM-114

9. Appendixes
 - a. Voyager Data List
 - b. Voyager Data Catalog
 - c. Forms

DOCUMENTATION RELATIONSHIP TREES

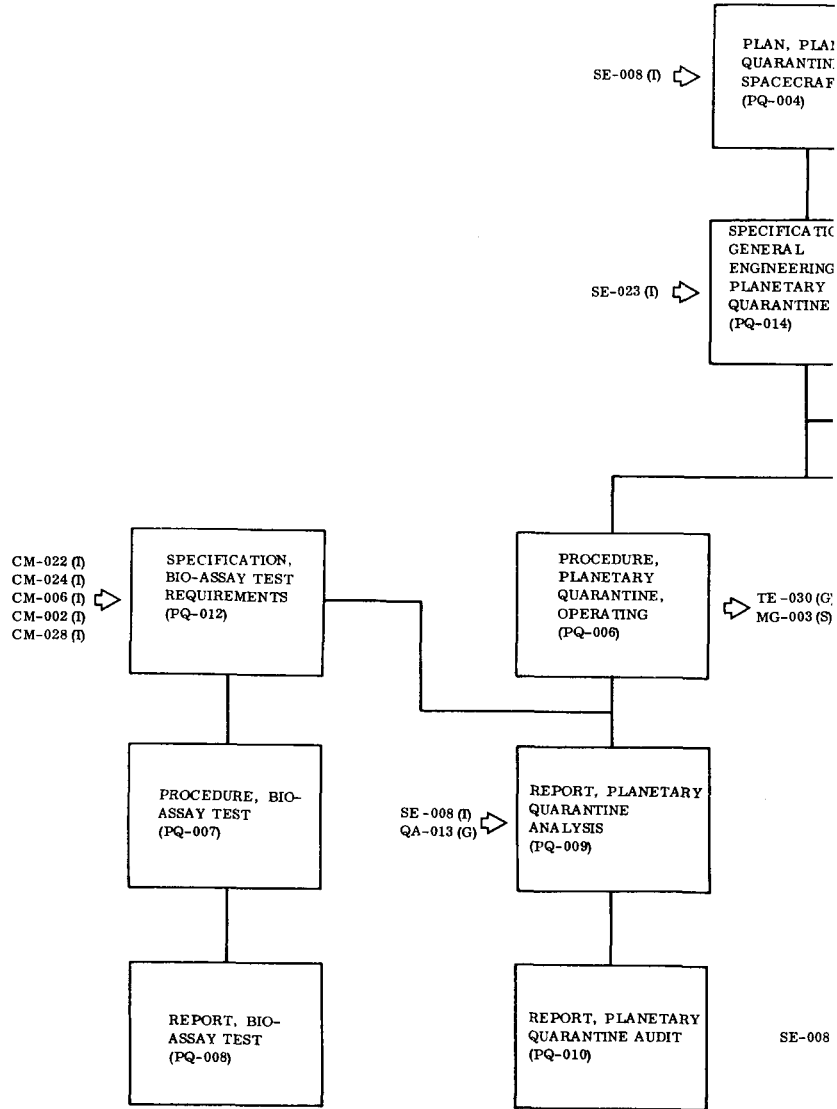
A documentation relationship tree has been prepared to show the relationship of data items within this functional category as well as their relationships across categories.

Relationships within each functional category are shown by constructing a tier pattern beginning with the top-level (or governing) data item and relating in descending order all data items within the category to this top-level data item. (The location of a data item at a given level on the diagram does not necessarily indicate the importance of that specific item but identifies and defines its relation to all other data items in that category.)

Relationships between data items in one category and data items in other functional categories are shown by (1) shaded arrows to indicate the direction of the relationship and (2) an alphabetic code to indicate the nature of the interrelationship as follows:

- a. Data items needed for preparation and/or support of the referenced item. (I)
- b. Data items that are supported or needed by this data item. (S)
- c. Data items that relate "to" and provide information of a general nature but are not required in an input or support role. (G)

Each data item appearing on the Data Item List (DIL) was examined and evaluated with respect to its contribution to, or dependence upon, data items appearing in other categories and is included in the diagrams. Additionally, certain data elements indicated in the user flow diagrams (but currently not identified as individual data items) have been shown within a dashed rectangle to clarify relationships.



ETARY
T

DM-008 (S)
SC -002 (S)
SC -004 (S)
SC -006 (S)

NS
DESIGN

LS -015 (S)
MP-002 (S)
SE -008 (S)

LEGEND:

- (I) INDICATES DATA ITEMS NEEDED FOR PREPARATION OR SUPPORT OF THE REFERENCED ITEM (INPUT).
- (S) INDICATES DATA ITEMS THAT ARE SUPPORTED OR NEEDED BY THIS ITEM.
- (G) DATA ITEMS THAT RELATE TO AND PROVIDE INFORMATION OF A GENERAL NATURE BUT ARE NOT REQUIRED IN AN INPUT OR SUPPORT ROLE
- △ INDICATES PRINCIPAL RELATIONSHIP (I, S, OR G) BETWEEN DATA ITEMS IN OTHER FUNCTIONAL CATEGORIES.

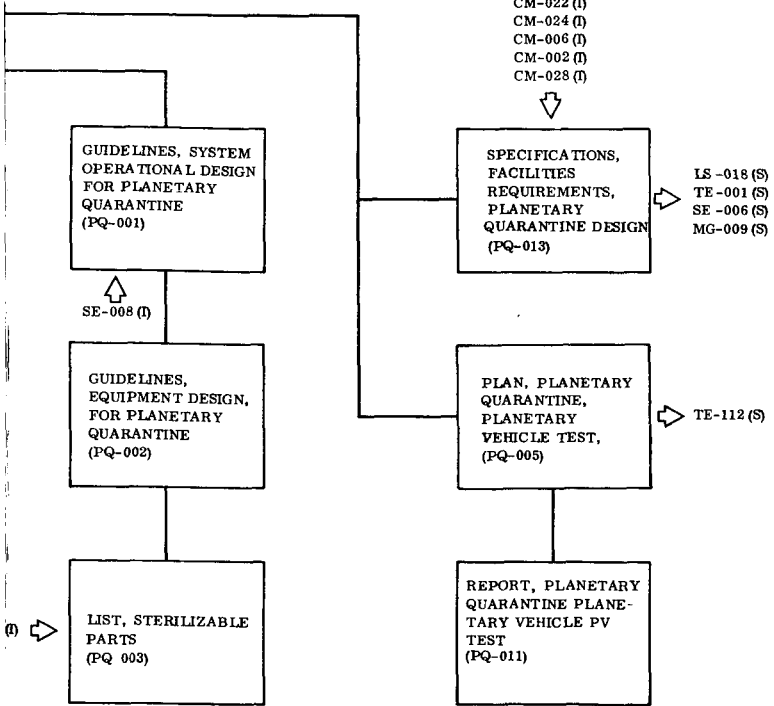


Figure B-1. Planetary Quarantine Documentation Relationship Tree (PQ)

DATA ITEM PHASING/FREQUENCY

Frequency and phasing of data item requirements for control and administration of the Data Management function are shown in Figure K-2, Data Management Data Item Phasing and Frequency Matrix.

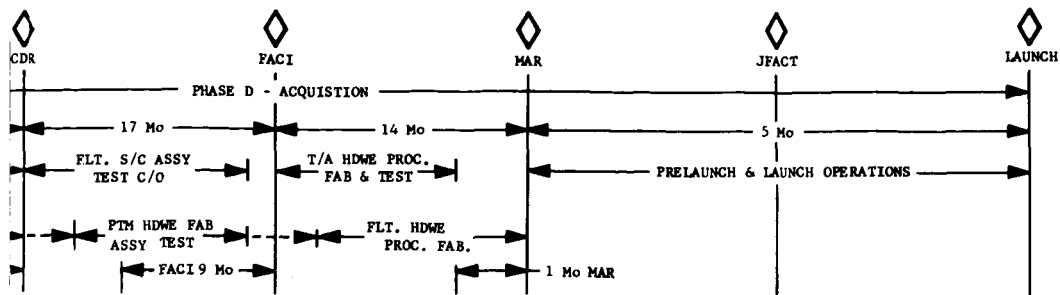
Estimates are based on the Data Item List, 15 December 1966, and a Task "C" start date of 1 April 1968.

Distribution and density of data item preparation requirements are shown in Figure K-3, Data Management Data Item Density Profile. The effect of DM-023, Project Information Request Release (key informal data item) is of particular interest.

DATA ITEM TITLE	SDR			PDR			HDR					
	QUANTITY	FREQUENCY	TOTAL	QUANTITY	FREQUENCY	TOTAL	QUANTITY	FREQUENCY	TOTAL	QUANTITY	FREQUENCY	TOTAL
<p>DATA MANAGEMENT (DM)</p> <p>PHASE C - SYSTEM DEFINITION</p> <p>7 Mo</p> <p>9 Mo</p> <p>12 Mo</p> <p>S/C and OSE DESIGN</p> <p>ENGR HDWE, FAB, ASSY, TEST</p> <p>PDR 2 Mo</p> <p>HDR 5 Mo</p> <p>CDR 4 Mo</p>												
LISTS												
DM-001 *Index, Doc. Mgmt. Sch. & Status	1	M	3	1	MO	4	1	MO	9	1	MO	12
DM-020 Index, Doc. Mgmt. Sch. & Status of Key Doc.							1	MO	9	1	MO	12
DM-002 Index, Formal Data Items	1	wk	15	1	wk	15	1	wk	40	1	wk	52
DM-003 Index, Informal Data Items	1	wk	15	1	wk	15	1	wk	40	1	wk	52
DM-004 Index, Special Purpose	1	A/R	15	1	A/R	15	1	wk	40	1	wk	52
DM-005 List, Contact Report	1	W	15	1	W	15	1	wk	40	1	wk	52
DM-006, List, Document Distribution	1	Mo	3	1	Mo	3	1	Mo	9	1	Mo	12
MINUTES												
DM-007 *Minutes, Data Review Board Meetings	1	Q	1	1	Q	1	1	Q	3	1	Q	4
PLANS												
DM-008 Plan, Contractor Data Acquisition Flow	1	I	1	1	U	1	1	F	1			
DM-009 Plan, Data Management (Contractor)	1	I	1	1	U	1	1	F	1			
PROCEDURES												
DM-010 Procedure, Data Program Support	1	I	1	1	U	1	1	U	1	1	U	1
DM-011 Procedure, Data Systems, Cont. & Records	1	I	1	1	U	1	1	U	1	1	U	1
DM-012 Procedure, Data Prep., Submittal & Rev.	1	I	1	1	U	1	1	F	1	1	U	1
DM-014 Procedure, Establishment of Data Rqmts.	1	I	1	1	U	1	1	F	1	1	U	1
DM-024 Procedure, Data Program Training	1	I	1	1	U	1	1	F	1	1	U	1
RECORDS												
DM-023 *Project Information Request/Release	700	A/R	700	700	A/R	700	5400	A/R	5400	9900	A/R	9900
REPORTS												
DM-015 Report, Cost Accumulation Formal Data							1	Q	3	1	Q	4
DM-016 Report, Document Distribution Control							1	Q	3	1	Q	4
DM-017 Report, Facility Capability and Loading-Data Reproduction, Proc. & Dissemination							1	Mo	9	1	Mo	12
DM-018 Report, Informal Data Audit							1	Mo	9	1	Mo	12
DM-019 Report, Specialized User System Descrip.	3	O/T	3	3	O/T	3	6	F	6			
REQUESTS												
DM-021 Distribution Change Request							100	A/R	100	100	A/R	100
DM-022 DRD Change Request							34	A/R	34	34	A/R	34
TOTALS			777			778			5,761			1031

*Key Informal Data

A	Annual	O/T	One Time	I	Initial	CDR	Critical Design
S/A	Semi-Annual	A/R	As Required	F	Final	FACI	First Article
WK	Weekly	U	Update	N/R	New and Revised	MAR	Mission Acceptance
MO	Monthly	I/U	One Update	SDR	System Design Review	J FACT	Joint Flight Acceptance
B/W	Bi-Weekly	DA	Daily	PDR	Preliminary Design Review		Composite
B/M	Bi-Monthly	Q	Quarterly	HDR	Hard Design Review		



QUANTITY	FREQUENCY	TOTAL	QUANTITY	FREQUENCY	TOTAL	QUANTITY	FREQUENCY	TOTAL	QUANTITY	FREQUENCY	TOTAL	TOTALS	NOTES AND ASSUMPTIONS
1	MO	17	1	MO	14	1	MO	3	1	MO	2	64	
1	MO	17	1	MO	14	1	MO	3	1	MO	2	57	
1	wk	74	1	wk	61	1	wk	10	1	wk	10	277	
1	wk	74	1	wk	61	1	wk	10	1	wk	10	277	
1	wk	74	1	wk	61	1	wk	10	1	wk	10	277	
1	wk	74	1	wk	61	1	wk	10	1	wk	10	277	
1	Mo	17	1	Mo	14	1	Mo	3	1	Mo	2	63	
1	Q	5	1	Q	5	1	Q	1				20	
												3	Initial with RFP Final w/start of Definition Phase
												3	Initial with RFP Final w/start of Definition Phase
1	U	1	1	U	1	1	U	1	1	U	1	8	
1	U	1	1	U	1	1	U	1	1	U	1	8	
												4	
												4	
												4	
8600	A/R	8600	4900	A/R	4900	1200	A/R	1200	600	A/R	600	32000	One per man per mo. to CDR 3/4 per man per mo to Mar 3 per man per mo. to JFACT & Launch
1	Q	5	1	Q	5	1	Q	1	1	Q	1	19	
1	Q	5	1	Q	5	1	Q	1	1	Q	1	19	
1	Mo	17	1	Mo	14	1	Mo	3	1	Mo	2	57	
1	Mo	17	1	Mo	14	1	Mo	3	1	Mo	2	57	
												12	
100	A/R	100	100	A/R	100	50	A/R	50	40	A/R	40	490	Average of 30 recipients per data item @ 1% -.5%
17	A/R	1	8	A/R	8							93	10% of 345 Data Items - decreasing to 5% -0%
		9115			5,339			1,310			694	34,093	

n Review
 Configuration Inspection
 Performance Review
 Acceptance
 Testing

Figure K-2. Data Management Data Item Phasing and Frequency Matrix

6-4

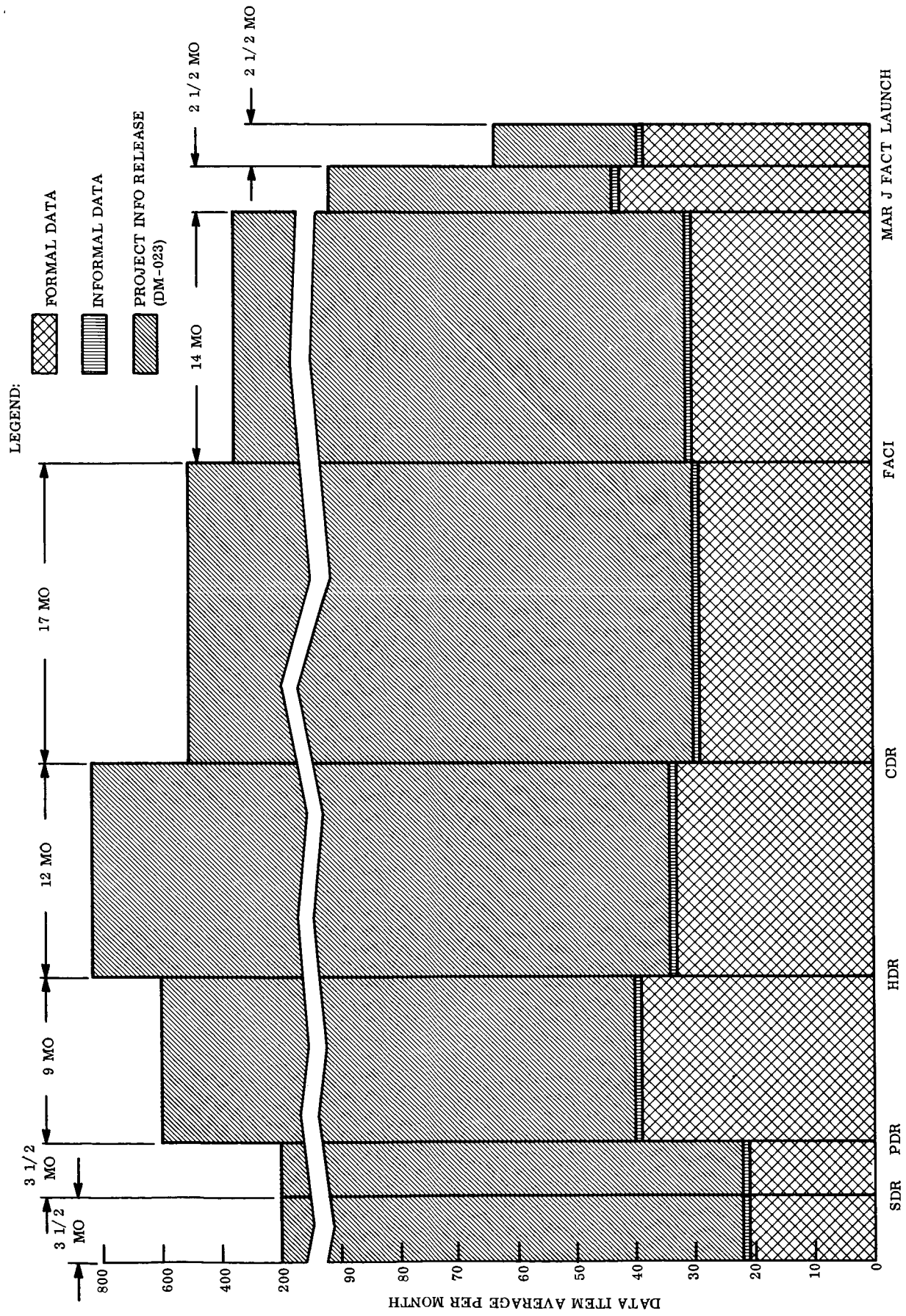


Figure K-3. Data Management Data Item Density Profile