

## NAVAIR AIRCRAFT WIRING STANDARDIZATION AND QUALIFICATION PROGRAM

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**WIRING RESPONSIBILITIES**

**PURPOSE OF PROGRAM**

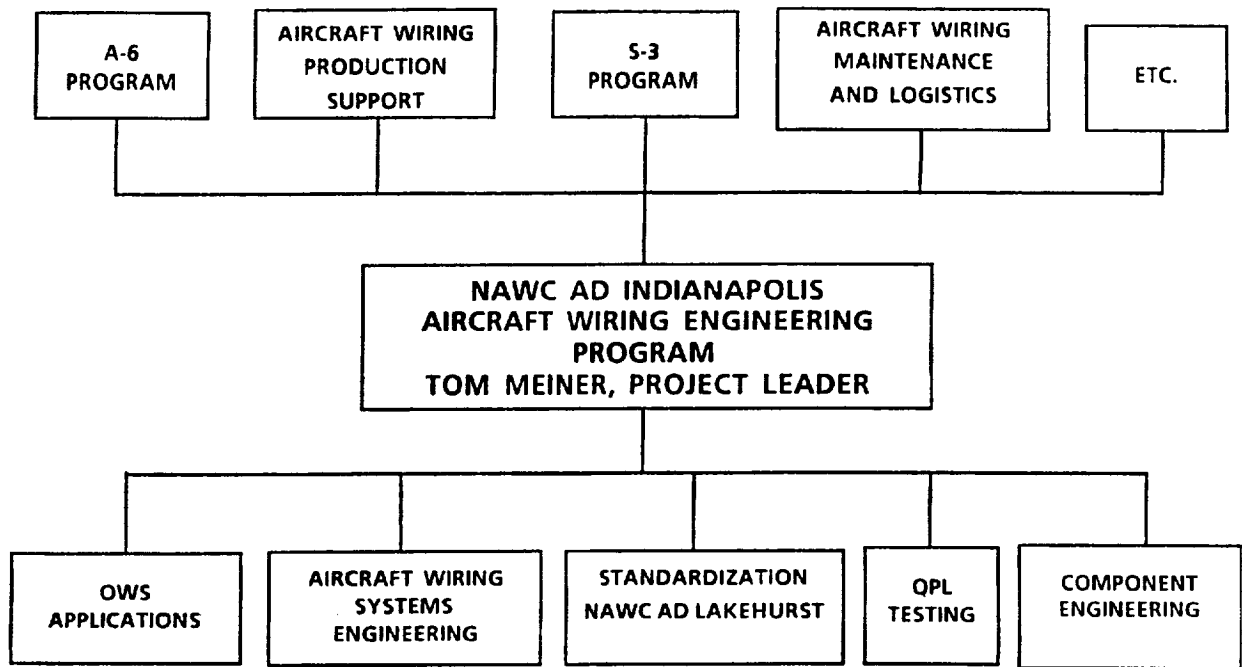
**MEASUREMENT OF PROGRAM EFFECTIVENESS**

**RESULTS**

**SUMMARY**

### **RESPONSIBILITIES**

- DESIGN AND DEVELOP WIRING SYSTEMS
- CONDUCT ENGINEERING INVESTIGATIONS
- WIRING TESTING AND EVALUATION ACTIVITY  
(INCLUDING RECEIVING/INSPECTION)
- QUALIFICATION AGENT/TEST FACILITY
- WIRING MAINTENANCE AND LOGISTICS ENGINEERING
- HARNESS MANUFACTURING



## PURPOSE OF PROGRAM

- TO PROVIDE THE MOST COST EFFECTIVE, RELIABLE WIRING COMPONENTS AND SYSTEMS TO OUR CUSTOMERS

## **WORKLOAD OF PROGRAM**

**(NUMBERS ARE APPROXIMATE)**

- TECHNICAL AGENT FOR 90 SPECIFICATIONS
- QUALIFICATION AGENT FOR 80 OF THESE SPECIFICATIONS
- 300 QUALIFICATION PROJECTS PER YEAR
- 10 - 15 MAJOR COMPONENT EVALUATIONS PER YEAR

## **EFFECTIVENESS OF PROGRAM**

- 50% FAILURE RATE ON INITIAL QUALIFICATION SUBMITTALS
- 30% FAILURE RATE IN RETENTION OF QUALIFICATION PROGRAM
- CORRECTIVE ACTION RESULTS IN OVER 90% APPROVAL RATE
- 80 - 90% OF FAILURES ARE PERFORMANCE RELATED VS. DOCUMENTATION
- 20% REJECTION RATE ON RECEIVING/INSPECTION, 25% OF THESE REJECTIONS ARE QPL PRODUCTS

## **RESULTS**

**QUALIFICATION CAN IMPROVE QUALITY BY 75%**

**QUALIFICATION PROGRAM REDUCES TESTING/COST**

**HIGHER QUALITY PRODUCTS REDUCE SYSTEM DOWNTIME**

**MUST BE SUPPLEMENTED BY CUSTOMER'S QUALITY ASSURANCE PROGRAM**

