

ACIS Verification Summary Report

Specification:	ACIS Contract End Item Specification
Requirement Number/Title:	3.3.1 General (VRSD 3.3.1-2)
Requirement Statement: Approved process specifications shall be used to control critical manufacturing and assembly operations.	
Verification Method:	Validation of Records and Inspection
Procedure Number:	
Configuration:	
Cycle Time:	
Verification Discussion/Results:	
<p>Critical processes such as soldering, harnessing, cabling, wiring, crimping, conformal coating and staking (spot bonding) are controlled by NHB 5300.4 procedures. Critical procedures which are unique are documented in MIT procedures which are reviewed and controlled per the MIT Configuration Control Plan. These procedures are all submitted to MSFC for review and comment. The fabrication of flight hardware is controlled by the MIT Assembly Work Order (AWO). The AWO is a traveler which contains each detailed step in fabrication and identifies the procedure by document number to be followed. The Project Engineer and the Performance Manager review the AWO prior to the start of fabrication to insure completeness and compliance with requirements. During the fabrication process, a Quality Control Inspector monitors fabrication and assembly to insure that the AWO is being followed. A final review of the AWO reveals any missed steps and adherence to critical process controls.</p>	

Brian Klatt
 ACIS Cognizant Engineer

5/9/97
 Date

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Supplement to 36-01510.128, previously submitted.

Approved process specifications have been used to control critical manufacturing and assembly operations. Lockheed Martin Astronautics (LMA) uses established command media controlling the implementation of Policies, Procedures and Practices (P3). Implementation of contractual documentation for processes is controlled through the internal EPS/STP/MP (EPS: Engineering Process Specification; STP: Standard Testing Process; MP: Manufacturing Processes) process system including both electrical and mechanical processes. Critical implementing processes have been submitted to MSFC through Waivers for review, comment and approval. Actual fabrication of flight hardware is controlled through the use of Manufacturing Process Plans (MPPs) that implement the contractual requirements. Product Assurance is required monitor fabrication and assembly to ensure the MPP includes all required information with regard to flight build.


 ACIS Cognizant Engineer

6/5/97
Date