

**ACIS Verification Summary Report****36-01510.174****Specification** ACIS Contract End Item Specification**Requirement Number/Title:** 3.3.5.4 -2 Corrosion of Metal Parts**Requirement Statement:** Metallic materials used in the construction of the instrument shall meet the stress corrosion requirements of MSFC-STD-522.**Verification Method:** Validation of records**Procedure Number:****Configuration:****Cycle Time:****Verification Discussion/Results:**

Material selected for the ACIS instrument are from Table 1 of MSFC-SPEC-522

DEA/DPA/Support Structure Panels

Aluminum 6061-T6

DPA Frames

Aluminum 6061-T6

DEA Frames

Beryllium S-200

Flexures

Titanium 6Al-4V

The drawings have been reviewed and no machining process or cleaning processes were called out that would induce stress corrosion cracking or any other deleterious effects.



5/9/97

ACIS Cognizant Engineer

Date

Element:  
ACIS

Requirement Number:  
3.3.5.4-2

Verification Item:  
3.3.5.4-2

Requirement Title:  
Corrosion of Metal Parts

Compliance Data/Location:  
MA-50/36-01510.174/Bldg 4200 Rm 522 (MIT Closure Report)  
MA-308/ACIS-800-I-09/Rm 522 Bldg 4200

Verification Method:  
Validation of Records

### AXAF-I Verification Requirement Compliance Data Submittal

Evaluators:  
M&P

Type of Review:  
 Verification Item Closure  
 Requirement Closure

Comments:  
Disapproved until several metallic issues are closed out in the MIUL. -T.M.R.  
  
*Rev B of MI + UL attached*  
*9/30/97*  
*William Mayer*

Status

Open 5/15/97 due 6/13/97

Recommendation:  Approve  
 Disapprove  
 Other (Explain)

Action Required for Closure:

MSFC Evaluator: Terrie Rice      Date: 7/7/97      Organization: EH43      Phone Number: 4-4549

Disposition:  Approve  
 Disapprove  
 Other (Explain)

Action Required for Closure: The list of comments are attached to this form under the heading, "Specific Comments". In addition, Terrie called Jennie Eha at LMA to discuss these problems and she was to provide the updates.

Chief Engineer: Anthony R. Lavole      Date: 7/14/97