36-01510.109

# ACIS Verification Summary Report

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| **Specification:** | ACIS Contract End Item Specification |
| **Requirement Number/Title:** | 3.2.6 Transportability and Transportation (VRSD 3.2.6-4) |

**Requirement Statement:** Transportation and handling of the SI shall comply with the requirements of MMI 6400.2, MSFC-STD-126 and NHB 6000.1.

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| **Verification Method:** | Validation of Records |

**Procedure Number:**

**Configuration:**

**Cycle Time:**

**Verification Discussion/Results:**

Three (3) special design shipping containers were developed by MIT for ACIS Program Critical Hardware (PCH). All MIT flight hardware is considered PCH, and consists of :

- Support Structure Assembly (including the DEA and DPA)
- Detector Assembly/Vent Valve Assembly (DA/VVA)
- Power Supply/Mechanism Controller (PSMC)

All PCH has been packed, packaged, stored and transported in these special designed shipping containers. In addition, due to the contamination constraints, PCH has been cleaned and certified to MSFC-STD-1238. After 1238 certification, PCH has been maintained a clean condition through double bagging in anti-static material and sealed with kapton tape. The shipping containers include shock mounting and are environmentally sealed. All PCH shipping containers are marked with the "NASA Critical Item" label. Monitoring devices for 20G shock, 25G shock, 50G shock, 0°C Coldmark Temperature, 40°C Warmark Temperature, worst case Humidity, and instantaneous humidity are included in each shipping container. Transportation from MIT to MSFC was by charter jet, escorted. Transportation from MSFC to BASD (Boulder, CO) will be by Roberts White Glove Service, escorted, or charter jet, escorted. Hoists, lifting fixtures, slings, and handling equipment has been inspected, proof tested, brake tested, and critical lift certified in strict accordance with MSFC-STD-126.

W. F. Mayer — 6/19/97

ACIS Cognizant Engineer — Date

for Brian Klatt