

# PDR RID Report

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**Document** FOS Requirements Spec., Vol. 1 - General

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| <b>RID ID</b> PDR 43               |
| <b>Review</b> FOS                  |
| <b>Originator Ref</b> IVV-SRI-PDR1 |
| <b>Priority</b> 2                  |

**Section** Appendix B - IRD **Page** all B-# **Figure Table** NA  
**Traceability Matrix**

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**Category Name** Requirements **Actionee** HAIS  
**Sub Category**  
**Subject** Inconsistent IRD-to-Level 4 Requirements Traceability

### Description of Problem or Suggestion:

There is incomplete and inconsistent requirements traceability between the Level 3, Level 4, and IRD requirements. Appendix C cites the L3-to-L4 traceability and appears to be fairly accurate. The IRDs (AM-1, NASA Inst, and Aster) cite L3-to-IRD traceability. However, in Appendix B the IRD-to-L4 traceability links that should close this loop are inconsistent. In numerous instances the L4 requirement(s) identified for each IRD requirement are incomplete (only a subset of those that should be cited) or inconsistent (completely different from those indicated by the previously-mentioned traceability sources). For example, for IRD reqmt AM1-0160, the IRD links it to L3 reqmt EOSD1680. Appendix C links EOSD1680 to the L4 reqmts F-FOS-00310 and -00347 (though this latter one is an incorrect link). Then, Appendix B links AM1-0160 to the L4 reqmt F-CMD-02125, which is not consistent and only addresses a minor aspect of the full requirement. The link from the IRD reqmt AM1-0160 to L4 should have cited more appropriate and consistent requirements, such as F-FOS-00310 and F-TLM-00115. Other examples exist.

### Originator's Recommendation

The IRD Traceability Matrix (Appendix B) should be reworked so that it is accurate and consistent with other traceability matrices.

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| <b>GSFC Response by:</b>            | <b>GSFC Response Date</b>         |
| <b>HAIS Response by:</b> D. Herring | <b>HAIS Schedule</b> 1/20/95      |
| <b>HAIS R. E.</b> A. Miller         | <b>HAIS Response Date</b> 1/18/95 |

The IRD Traceability Matrix (appendix B) in the FOS Level 4 Requirements Specification will be updated to eliminate inconsistencies and inaccuracies with other traceability matrices. This update will be made as part of the post-PDR documentation delivery, which is scheduled for January 31, 1995.

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| <b>Status</b> <b>Closed</b> | <b>Date Closed</b> <b>2/1/95</b> | <b>Sponsor</b> <b>Johns</b> |
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\*\*\*\*\* Attachment if any \*\*\*\*\*

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