FOS CDR RID Report

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Section **Page** **Figure Table**

Category Name DMS Design **Actionee** ECS
Sub Category
Subject Archival of space simulator data

Description of Problem or Suggestion:

The current design for maintaining a "seamless" archive for telemetry data does not fully address an operational scenario where multiple simulator runs may have the same spacecraft time. Also, the system cannot archive both S-band dump and routine K-band dump of housekeeping data (both streams carry same time tag)

Originator's Recommendation

Provide a mechanism for storing multiple data sets of simulation/test data/operation data with identical or overlapping times.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Jon Kuntz **HAIS Schedule**
HAIS R. E. Scott Carter **HAIS Response Date** 11/10/95

The current baseline for the FOS does not include the capability to store multiple copies of data for the same time period. The latest copy received will always overwrite existing data for the same time. To run multiple simulation runs the data could simply be copied to a separate storage location when a new run is anticipated and copied back to the archive when it is needed. Also, when data is requested for historical analysis, the interim dataset which is generated by the Analysis subsystem, can be saved. It can then be retrieved when desired and actually plotted against other datasets from other simulation runs.

The current baseline for the FOS also does not include separate archives for S-band and K-band data. If this capability is truly required, it would require a CCR to the FOS.

Status **Closed** **Date Closed** **12/14/95** **Sponsor** **Johns**

****** **Attachment if any** ******