

PDR RID Report

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

Category Name Requirements **Actionee** HAIS
Sub Category
Subject IST Input Data Streams

Description of Problem or Suggestion:

The IST currently has the capability to monitor and display real-time telemetry from the EOC or to monitor and display dedicated replays of historical data archived at the EOC or DAACs [IST Capabilities Document for the ECS Project -- working paper, pp. 15-20]. However, there does not seem to be a capability for the IST to accept data streams stored locally for monitor, decom and display. These data streams might be spooler files of telemetry stored from a previous session with the EOC or DAAC, or it could be spooler files of CCSDS packets acquired during instrument testing. (Obviously, this could be useful during anomaly investigations.)

The current design would seem to limit the source of telemetry streams to external interfaces. This prevents the use of the IST for monitoring CCSDS packetized instrument test data, and it will impose greater utilization demands on the EOC and DAACs which might be unnecessary if previously acquired historical data could be "reused" at the IST site as an input data stream for monitor, decom and display.

Originator's Recommendation

I would recommend that the above capability (to accept locally stored spooler files as an input IST data stream) be added to the requirements for the IST.

GSFC Response by:	GSFC Response Date
HAIS Response by: D. Herring	HAIS Schedule 1/13/95
HAIS R. E. J. Kuntz	HAIS Response Date 1/18/95

The FOS is currently evaluating the capability to perform local replays. Local replays would allow the user to replay data that is stored locally instead of having to retrieve data from the EOC archive. The results of this evaluation will be reflected in the design which will be available at CDR. It should be noted that the capability does exist within the current design to allow users to access data stored locally for further analysis. This would include the capability to produce graphs and reports as well as overlay previously stored data with current data for comparative analysis. Once data has been processed by the FOS software and saved as an FOS defined dataset, it can be re-analyzed as often as required. This current capability would allow instrument test data to be used repeatedly for analysis at the IST without having to retrieve data from the EOC, provided the test data was saved in an FOS defined dataset format.

Status Closed	Date Closed 2/1/95	Sponsor Johns
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***** Attachment if any *****
