

PDR RID Report

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Review SDPS
Originator Ref
Priority 1

Section	Page	Figure Table
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Category Name Design-Planning **Actionee** HAIS

Sub Category Planning/Scheduling

Subject How will Planning Software recover from failure?

Description of Problem or Suggestion:

The scenarios did not adequately explain how the planning system will recover from a failure in its own software.

Originator's Recommendation

Demonstrate that the system will not lose PGEs or any other information as a result of a failure.

GSFC Response by:	GSFC Response Date
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HAIS Response by:	HAIS Schedule 3/24/95
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HAIS R. E.	HAIS Response Date
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A planning failure recovery scenario has been added to the SDPS Design Specification (DID305) in sect. 10.2.4.13 to describe recovery of the Planning subsystem based on redundant DBMS servers and backup planning workstations within the Planning HWCI. The scenario shows that failure in the planning software (or hardware) will not result in a loss of planning data. For example, DBMS recovery and backup/restore/journaling features ensure that all planning data is safe. At the PDR stage of design the scenario can only provide a high level picture of the recovery of the system based on these components and interaction with the CSMS fault management services. As the detailed design of the subsystem continues, and as the COTS selection process is finalized more detail will be added to the design/scenario in order to ensure that the system state is recoverable from all planning software failures. This will be fully documented by CDR. Test cases will be added to test the failure scenarios.

Status Closed	Date Closed 4/21/95	Sponsor Kempler
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***** **Attachment if any** *****
