

Release B CDR RID Report

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Document

RID ID	CDR	55
Review	Release B CDR	
Originator Ref		
Priority	2	

Section

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Figure Table

Category Name MSS Design

Actionee ECS

Sub Category

Subject

Description of Problem or Suggestion:

Need to describe failure recovery and results for critical management flows.

Originator's Recommendation

Provide a clear statement as to what is done with each tool.

GSFC Response by:

GSFC Response Date

HAIS Response by: A. Kim

HAIS Schedule

HAIS R. E. A. Gary

HAIS Response Date 6/20/96

The major MSS system management tools are HP OpenView and Tivoli Management Environment (TME). HP Openview and the TME will monitor each other for health status. Tivoli will monitor the health and status of HP OpenView by monitoring the netmon daemon and the OV object database. HPOV will monitor the health and status of Tivoli using a proxy agent. For backup and recovery we are looking at locating these two management tools on separate hosts. The CSS and MSS hosts are cross-strapped via a single RAID and each acts as a hot backup for the other.

HP Openview discovers the system network topology and provides hardware monitoring and controlling capabilities. When used in conjunction with ECS developed Agents and ECS developed scripts it enables the monitoring and controlling of software components as well. These monitoring capabilities include fault and performance monitoring, and HPOV can forward events of a predefined level to the TME for fault correlation. HPOV also provides life-cycle services for COTS via the proxy agents.

Tivoli enables operating system monitoring and provides COTS administration via Tivoli plus adapter modules. In addition Tivoli provides a uniform Management desktop for launching MSS applications, fault correlation, and enables the monitoring of remote COTS logs. Furthermore, it provides automated software distribution.

If HP Openview should go down, the Deputy Agent will queue incoming events until HPOV resumes normal operation. (Provided the queueing buffer limits are not reached.) If the entire host should go down, then the subagent would not be able to communicate the the Deputy Agent on the manager host. In this event, the subagent will queue the events until normal operations are resumed on the manager host (either the MSS server or the backup CSS server). In either case all events are logged locally as a backup.

Specific fault recovery scenarios will be developed by ECS and provided for ESDIS review and comments by 7/8/96. The final scenarios will be incorporated in the as build documentation.

Status **Closed**

Date Closed **7/1/96**

Sponsor **Moore**

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