Software COTS and their coverage of L4s based on RTM RELB_CDR_030196

Changes since original submittal:

1) added links for F-FUI-02705, F-FUI-02710, and F-FUI-02725 to Netscape

2) deleted set of redundant entries from (Sybase - S-DMS-00180) to (Sybase - F-DMS-01320)

3) deleted "Native" from compiler COTS IDs, removed generic "Native Compilers" COTS ID and relinked its L4s to specific compiler COTS IDs

4) added S-DPS-40295, S-DPS-40340, and S-DPS-40210 links to FORCHECK

5) resorted tables on COTS IDs with Compilers as keyword

Table 1 Items to populate RTM COTS class (COTS packages)

COTS ID	COTS Description	Vendor Name
Adobe Acrobat	Text & graphics display	Adobe
AMASS	File Storage Management System	EMASS, Inc.
AutoSys	Production Processing Queue Management Tool	Platinum
CASEVision	Development support tools	SGI system add-on
ClearCase	Software Change Manager	Atria Software, Inc.
Compilers (Ada)	Compiler	System vendors
Compilers (C)	Compiler	System vendors
Compilers (FORTRAN 77)	Compiler	System vendors
Compilers (FORTRAN 90)	Compiler	System vendors
DDTS	Change Request Manager	Pure Software, Inc.
emacs	Unix editor	freeware
FORCHECK	Development support tools	Leiden Univ.
Ghostview	Text & graphics display	freeware
HP OpenView	Network Management Tool	HP
IDL	Visualization	Research Systems Inc
Illustra	Object Relational Database Management System	Illustra Inc.

MS Office	Office Automation tools	Microsoft
Netscape	HTML Browser	Netscape
Netscape Commerce	HTTP server	Netscape
OODCE / DCE	OODCE provides object libraries on top of DCE (Distributed Computing Environment) and an OO Interface Definition Language (IDL++) compiler.	OODCE - HP; DCE - each respective hardware platform vendor
PNM	Physical Network Management and Asset Management Tool	Accugraph Corporation
Remedy ARS	Trouble Ticketing Tool	Remedy
RTworks	Rule Based Expert System Tool	Talarian
SPARCWorks	Development support tools	Sun system add-on
SQS	Spatial Query Server	Autometrics (Vision International)
Sybase	Relational Database Management System	Sybase
Tivoli	Systems Management Tool	Tivoli
TOPIC	Text Search Engine	Verity
WABI	Windows Support for Unix workstations	Sun
xedit	X Window System editor	freeware
XRP-II	Baseline Manager	HTG Corp.

Table 2 COTS to L4 mapping reference table

COTS ID	L4 ID	Rel	RTM Key	Text
Adobe Acrobat	S-DPS-40100	IR1	4550	The AITTL CI shall provide the operations staff with the capability to display Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
Adobe Acrobat	S-DPS-40110	IR1	4551	The AITTL CI shall provide the operations staff with the capability to print Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
Adobe Acrobat	S-DPS-41500	IR1	4614	The AITTL CI shall provide the capability for operations staff to write reports. This capability will include: (a) word processing, (b) spreadsheet, (c) plotting, (d) drawing.
Adobe Acrobat	S-DPS-41510	IR1	4615	The AITTL CI shall provide templates for reports to be written by the operations staff. (NOTE: It is assumed that these templates will be developed by the Science Office.)
AMASS	S-DSS-04510	A	9152	The STMGT CI shall support the capability to logically group a set of granule ids such that the set can be referenced by a single identifier.
AMASS	S-DSS-20020	A	3615	The STMGT CI shall accept Insert Requests for insertion of data into the archive.
AMASS	S-DSS-20030	A	3617	The STMGT CI shall check each Insert Request it receives for the correct type of data in all fields. Fields that shall be checked include Request Identifier, date of request, Priority Information, data type and original identifier.
AMASS	S-DSS-20040	A	3618	The STMGT CI shall accept Retrieve Requests for data. Each Retrieve Request shall include the granule id(s) for the data. Granule id was assigned when granule was originally archived. The granule id serves as a unique data identifier.
AMASS	S-DSS-20050	A	3620	The STMGT CI shall check each Retrieve Request it receives for correct type of data in all fields. Fields that shall be checked include Request Identifier, date of request, date and time for requested data, Priority Information, and data type.
AMASS	S-DSS-20095	A	3644	The STGMT CI shall have the capability to mount archival media via automated means.
AMASS	S-DSS-20100	A	3645	The STMGT CI shall provide operations staff personnel the capability to manually access archive media resident in storage devices.

AMASS	S-DSS-20110	A	3646	The STMGT CI shall provide operations staff the capability to insert archive media into storage devices which support removable media.
AMASS	S-DSS-20120	A	3647	The STMGT CI shall provide operations staff the capability to remove archive media from storage devices which support removable media.
AMASS	S-DSS-20140	A	3650	The STMGT CI shall provide operations staff the capability to manually mount archive media.
AMASS	S-DSS-20150	A	3651	The STMGT CI shall provide operations staff the capability to manually dismount backup archive media.
AMASS	S-DSS-20160	A	3653	The STMGT CI shall provide operations staff the capability to manually mount backup archive media.
AMASS	S-DSS-20170	A	3655	The STMGT CI shall automatically request operations staff to load a new archive media to store data if no media exists with sufficient space for the new data.
AMASS	S-DSS-20171	B	9825	The STGMT CI shall provide operations personnel with the capability to screen the archive holdings for lost volumes.
AMASS	S-DSS-20180	A	3656	The STMGT CI shall have the capability to automatically dismount archive media from storage devices which support removable media when different archive media must be mounted to store data.
AMASS	S-DSS-20190	A	3657	The STMGT CI shall have the capability to automatically dismount archive media from storage devices which support removable media when different archive media must be mounted to retrieve data.
AMASS	S-DSS-20200	A	3658	The STMGT CI shall provide a mechanism to remove archive media from storage devices to allow insertion of new or different archive media in the storage device.
AMASS	S-DSS-20210	B	8876	For any EOS Level 0 or L1A (if L0 is not available) data item that can not be located or is inaccessible and can not be re-created, the STMGT CI shall notify the operator which data item is missing and the operator shall request the data item be re-ingested from EDOS.
AMASS	S-DSS-20220	A	3660	If an uncorrectable error occurs during archive, the STMGT CI shall notify the operations staff, select a different piece of Media and complete the archive operation. Note: Contents of original media shall be recreated on new media and the original removed from system.
AMASS	S-DSS-20230	A	3661	The STMGT CI shall notify operations staff to discard source archive media after its contents have been re-created on the new media.
AMASS	S-DSS-20240	A	3662	If the end of the archive media is encountered before completing a write operation, the STMGT CI shall select new media and complete the write operation with the new archive media.

AMASS	S-DSS-20250	A	3663	If an uncorrectable error occurs during retrieval operations, STMGT CI shall terminate the operation and notify operations staff and the user/data requester of the failure.
AMASS	S-DSS-20255	A	3664	If an uncorrectable error occurs during retrieval operations, STMGT CI shall automatically recreate the contents on new media.
AMASS	S-DSS-20260	B	8877	For each piece of archive media, the STMGT CI shall provide the capability to display the length of time to store data on the media before deletion.
AMASS	S-DSS-20270	B	8878	The STMGT CI shall provide the capability to change the length of time to store data on archive media before deletion of the data.
AMASS	S-DSS-20300	A	3669	The STMGT CI shall provide operations staff the capability to display information about the archive media resident in storage devices. Such information shall include: archive volume name, creation time/date, archive volume status.
AMASS	S-DSS-20350	A	3674	The STMGT CI shall use a fully described file structure to store data.
AMASS	S-DSS-20360	A	3675	The STMGT CI shall use a fully described physical file organization to store data.
AMASS	S-DSS-20370	A	3676	The STMGT CI shall use openly published and non-proprietary data formats to store data.
AMASS	S-DSS-20380	A	3677	The STMGT CI shall provide the capability to continue operations in a degraded mode despite hardware failures of individual archive storage devices, archive media and/or operator consoles.
AMASS	S-DSS-20390	A	3678	The STMGT CI shall provide operations staff a mechanism for recovery of data as a result of failed archive media. Note: Failed archive media are media which can not be read.
AMASS	S-DSS-20400	A	3679	The STMGT CI shall provide operations staff a mechanism for recovery of data as a result of failed archive storage devices.
AMASS	S-DSS-20420	A	3680	The STMGT CI shall be capable of producing backup archive media which uses openly published and non-proprietary formats for recording data.
AMASS	S-DSS-20430	A	3681	The STMGT CI shall be capable of producing backup archive media which has a fully described file structure.
AMASS	S-DSS-20440	A	3682	The STMGT CI shall be capable of producing backup archive media which has a fully described physical file organization.
AMASS	S-DSS-20442	A	3683	The STMGT CI shall provide the capability to archive Data Availability Schedules.
AMASS	S-DSS-20444	A	3684	The STMGT CI shall provide the capability to retrieve Data Availability Schedules.

AMASS	S-DSS-20475	A	3690	The STMGT CI shall provide the capability to retrieve non-EOS data to be used for standard product production.
AMASS	S-DSS-20480	A	3691	The STMGT CI shall provide operations staff the capability to perform physical inventories of archive media resident in archive storage devices.
AMASS	S-DSS-20490	A	3692	The STMGT CI shall control access to archived data to prevent unauthorized access.
AMASS	S-DSS-20550	B	8886	The STMGT CI shall provide operations staff a mechanism to display/view storage system operating parameters which affect storage system performance.
AMASS	S-DSS-20560	B	8887	The STMGT CI shall provide operations staff a mechanism to display/view storage system operating parameters which affect storage system scheduling.
AMASS	S-DSS-20570	B	8888	The STMGT CI shall provide operations staff the capability to change storage system operating parameters which affect storage system performance.
AMASS	S-DSS-20580	B	8889	The STMGT CI shall provide operations staff the capability to change storage system operating parameters which affect storage system scheduling.
AMASS	S-DSS-20590	A	3702	The STMGT CI shall provide archival storage which is field-expandable. Field-expandable is defined as increasing the capacity or size of archive storage without removing archive storage device from site.
AMASS	S-DSS-20620	A	3705	The STMGT CI shall provide the capability to retrieve each individual data granule that is stored.
AMASS	S-DSS-20624	B	8891	The STMGT CI shall provide a mechanism to statistically monitor the checksum error rate of archive media.
AMASS	S-DSS-20625	B	8892	The STMGT CI shall allow the operator to manually specify archive media to be recopied/refreshed.
AMASS	S-DSS-20710	A	3714	The STMGT CI shall assign a unique identifier to new archive media.
AMASS	S-DSS-20740	A	3717	The STMGT CI shall provide operations staff the capability to retrieve data that has been safe-stored at an external facility.
AMASS	S-DSS-20750	B	8895	For data retrieval requests for L0 data from EDOS, STMGT CI shall satisfy such requests with appropriate L0 or L1A data. Note: These instruments provide L0 data, CERES, LIS, ASTER, MISR, MODIS, MOPPIT; these provide L1A data, LIS, PR, TMI, VIRS.
AMASS	S-DSS-20820	B	8898	The STMGT CI shall provide operations staff the capability to alter the criteria that determines removal of archive media from storage devices to allow insertion of new or different archive media in the storage device.

AMASS	S-DSS-20830	B	8899	In determining the archive media to be removed, the STMGT CI shall ensure that the criteria consider the media's capacity for storing additional data, the last time data was accessed on the media and whether the media is currently in use to store or retrieve data.
AMASS	S-DSS-20840	B	8900	The STMGT CI shall report information on the storage system. Information reported shall include file access time, file accesses per hour, size of files stored onto archive media, size of files retrieved from archive media, amount of storage allocated.
AMASS	S-DSS-20850	B	8901	The STMGT CI shall collect information on the storage system, i.e. avg access time, avg number of accesses per hour, mean request inter-arrival time, avg file size stored, avg file size retrieved and avg file residency time on disk.
AMASS	S-DSS-20860	B	8902	The STMGT CI shall provide a mechanism to monitor the performance of the ECS archival storage system.
AMASS	S-DSS-20870	B	8903	The STMGT CI shall provide operations staff the capability to view/display performance information on the storage system.
AMASS	S-DSS-20890	A	3732	The STMGT CI shall provide operations staff the capability to load media into storage devices which support removable media.
AMASS	S-DSS-20900	A	3733	The STMGT CI shall provide operations staff the capability to initialize media in storage devices which support removable media.
AMASS	S-DSS-20910	A	3734	The STMGT CI shall provide operations staff the capability to unload media from storage devices which support removable media.
AMASS	S-DSS-20980	A	3742	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the DRPHW CI.
AMASS	S-DSS-21366	A	9142	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005.
AMASS	S-DSS-21370	A	3790	The STMGT CI shall use, where appropriate, a hierarchy of disk and/or tape storage devices and associated storage media to retrieve data.
AMASS	S-DSS-21380	A	3791	In the event of storage device or archive media failure, the STMGT CI shall notify operations staff and provide appropriate information to include failed device name or media, failure code or reason and time/date of failure.
AutoSys	S-DPS-20100	A	4362	The PRONG CI shall request information about the health and availability of a Hardware Resource by using a Systems Management Subsystem (MSS) provided Resource Management API (Application Program Interface).

AutoSys	S-DPS-20120	A	4363	The PRONG CI shall inform the MSS using a MSS provided Fault Management API when a fault attributed to a MSS managed resource has occurred.
AutoSys	S-DPS-20130	A	4364	The PRONG CI shall provide Fault Management data to the MSS using a MSS provided Fault Management API.
AutoSys	S-DPS-20140	A	4365	The PRONG CI shall provide Performance Management data to the MSS using a MSS provided Performance Management API.
AutoSys	S-DPS-20160	A	4367	The PRONG CI shall provide Accountability Management data to the MSS using a MSS provided Accountability Management API.
AutoSys	S-DPS-20170	A	4368	The operations staff shall have the capability to modify the configuration of Data Processing subsystem Hardware resources.
AutoSys	S-DPS-20180	A	4369	The PRONG CI shall provide an interface to support the modification of the configuration of the Data Processing subsystem Hardware resources.
AutoSys	S-DPS-20190	A	4370	The PRONG CI shall have the capability to modify the configuration of the Data Processing subsystem Hardware resources.
AutoSys	S-DPS-20210	A	4372	The PRONG CI shall have the capability to determine the Operational state of a Hardware or Software component.
AutoSys	S-DPS-20220	A	4373	The operations staff shall have the capability to request a Data Processing Subsystem Resource Utilization Report from the MSS based on time span, resource classification, or operational role.
AutoSys	S-DPS-20230	A	4374	The PRONG CI shall provide Security Management data to the MSS using a MSS provided Security Management API.
AutoSys	S-DPS-20240	A	4375	The PRONG CI shall provide Scheduling Management data to the MSS using a MSS provided Scheduling Management API.
AutoSys	S-DPS-20330	A	4376	The PRONG CI shall accept a Cancel Data Processing Request message to delete a Data Processing Request from the Processing Queue.
AutoSys	S-DPS-20340	A	4377	The PRONG CI shall reject a Cancel Data Processing Request if the Cancel Data Processing Request is received from an unauthorized source.
AutoSys	S-DPS-20400	A	4378	The PRONG CI shall accept a Data Processing Request (DPR) that requests the execution of a PGE.
AutoSys	S-DPS-20470	A	4384	The PRONG CI shall take a pre-determined error recovery action if the resource identified as the recipient of the Output Data is not available for data destaging.
AutoSys	S-DPS-20480	A	4385	The PRONG CI shall take a pre-determined error recovery action if the computer resource required to execute the PGE is not available.

AutoSys	S-DPS-20490	A	4386	The PRONG CI shall queue only validated Data Processing Requests
AutoSys	S-DPS-20500	A	4387	The Processing shall queue the Data Processing Request using the Priority Information associated with the Data Processing Request.
AutoSys	S-DPS-20510	A	4388	The PRONG CI shall respond to the source of the Data Processing Request with a Data Processing Request Response upon the completion of validation and queue processing.
AutoSys	S-DPS-20520	A	4389	The Data Processing Request Response shall include a reason for rejection if the Data Processing Request was rejected.
AutoSys	S-DPS-20680	A	4398	The PRONG CI shall support the movement of data from one Data Processing subsystem controlled storage resource to another Data Processing subsystem controlled storage resource.
AutoSys	S-DPS-20691	B	8657	The PRONG CI shall begin staging data at a time far enough in advance to complete staging of input data prior the predicted start of PGE execution.
AutoSys	S-DPS-20692	B	8658	The PRONG CI shall not begin staging data too far in advance of PGE execution in such a way that unnecessarily utilizes disk space.
AutoSys	S-DPS-20693	B	8659	The PRONG CI input data staging shall avoid the creation of deadlock situations.
AutoSys	S-DPS-20694	B	8660	The PRONG CI shall cancel input data staging if the DPR that initiated the input data staging is canceled.
AutoSys	S-DPS-20695	B	8661	The PRONG CI shall delete the staged data if the DPR that initiated the input data staging is cancelled and no other DPR needs it.
AutoSys	S-DPS-20696	B	8662	The PRONG CI shall complete the input data staging and suspend the PGE job if the suspension command is received at the time of data staging.
AutoSys	S-DPS-20730	A	4403	The PRONG CI shall provide the capability to terminate the data staging process.
AutoSys	S-DPS-20830	A	4941	The PRONG CI shall send a Data Insert Request message to the SDSRV CI to initiate the destaging of data.
AutoSys	S-DPS-20850	A	4415	The PRONG CI shall destage Intermediate Data Products to the SDSRV CI.
AutoSys	S-DPS-20860	A	4416	The PRONG CI shall destage ECS Data Products to the SDSRV CI.

AutoSys	S-DPS-21000	A	4419	The PRONG CI shall initiate execution of a PGE when the following is true: a. When all input data required to execute the PGE is available on local Data Processing subsystem storage resources. b. When the computer hardware resources are available to support execution of a PGE based on the computer hardware resource information associated with the Data Processing Request. c. When the Priority Information associated with the Data Processing Request has been fulfilled. d. When the maximum disk space requirements defined for the PGE are available to support the successful execution of the PGE e. When the maximum memory resources defined for the PGE are available to support the successful execution of the PGE f. When the CPU resources defined for the PGE are available to support the successful execution of the PGE
AutoSys	S-DPS-21070	A	4420	The PRONG CI shall allocate disk space to support the execution of a PGE.
AutoSys	S-DPS-21080	A	4421	The PRONG CI shall allocate memory to support the execution of a PGE.
AutoSys	S-DPS-21090	A	4422	The PRONG CI shall allocate CPU to support the execution of a PGE.
AutoSys	S-DPS-21120	A	4423	The PRONG CI shall create a Process Control File to provide information to the SDP Toolkit CI about the input data required to execute a PGE.
AutoSys	S-DPS-21130	A	4424	The PRONG CI shall create a Process Control File to provide information to the SDP Toolkit CI about the output data generated from the executing PGE.
AutoSys	S-DPS-21140	A	4425	The PRONG CI shall create a mapping of logical file handles to physical file handles in the Process Control File for the input data required to execute a PGE.
AutoSys	S-DPS-21150	A	4426	The PRONG CI shall create a mapping of logical file handles to physical file handles in the Process Control File for the output data generated from the executing PGE.
AutoSys	S-DPS-21160	A	4427	The PRONG CI shall create a Status Message File to be used by the SDP Toolkit CI to collect Toolkit status and error information about the execution of a PGE.
AutoSys	S-DPS-21170	A	4428	The PRONG CI shall create User Status Message Files to be used by the SDP Toolkit CI during PGE execution if requested through the data defining the characteristics of the PGE.
AutoSys	S-DPS-21210	A	4430	The PRONG CI shall monitor the use of disk space by a PGE during execution.

AutoSys	S-DPS-21220	A	4431	The PRONG CI shall take a predetermined error recovery action if the maximum disk space requirements defined for that PGE has been exceeded by an adaptable percentage value.
AutoSys	S-DPS-21230	A	4432	The PRONG CI shall take a predetermined error recovery action if the maximum CPU time requirements defined for that PGE has been exceeded by an adaptable percentage value.
AutoSys	S-DPS-21240	A	4433	The PRONG CI shall take a predetermined error recovery action if the maximum memory usage requirements defined for that PGE has been exceeded by an adaptable percentage value.
AutoSys	S-DPS-21500	A	4438	The PRONG CI shall use algorithms provided by the scientists to perform automated QA on generated Data Products.
AutoSys	S-DPS-21520	A	4440	The PRONG CI shall coordinate the deletion of the outputs of a PGE which were temporarily stored in the SDSRV CI.
AutoSys	S-DPS-21540	A	4442	The PRONG CI shall destage all output data generated by a PGE to the SDSRV CI. (SEE Data Staging and Destaging Reqs for more details).
AutoSys	S-DPS-21560	A	4444	If the resource fails during the execution of a PGE, the PRONG CI shall be capable of initiating the execution of the PGE without having to regenerate that PGE's input data.
AutoSys	S-DPS-21570	A	4445	If a PGE fails abnormally during execution, the PRONG CI shall be capable of initiating the execution of the PGE without having to regenerate that PGE's input data.
AutoSys	S-DPS-21580	A	4446	The PRONG CI shall send a Complete Notification Status message to the source of the Data Processing Request at the completion of PGE execution if the execution was terminated by the PRONG CI or the outputs of the PGE did not require destaging.
AutoSys	S-DPS-21590	A	4447	Upon the completion of destaging, the PRONG CI shall send a Complete Notification Status message to the source of the Data Processing Request.
AutoSys	S-DPS-21710	A	4449	The operations staff shall have the capability of terminating the data destaging process for a Data Processing Request.
AutoSys	S-DPS-21720	A	4450	The operations staff shall have the capability of canceling the processing of a Data Processing Request.
AutoSys	S-DPS-21730	B	8665	The operations staff shall have the capability to suspend the processing of a Data Processing Request.
AutoSys	S-DPS-21740	B	8666	The operations staff shall have the capability to resume suspended processing of a Data Processing Request.
AutoSys	S-DPS-21750	A	4453	The operations staff shall have the capability of modifying the information associated with the Data Processing Request.

AutoSys	S-DPS-21760	A	4454	The operations staff shall have the capability of viewing the Processing Queues.
AutoSys	S-DPS-21770	A	4455	The operations staff shall have the capability of requesting the status of a Data Processing Request.
AutoSys	S-DPS-21780	A	4456	The operations staff shall have the capability of reporting resource management information.
AutoSys	S-DPS-21840	A	4462	The operations staff shall have the capability of viewing the Status Information files associated with the generated Data Product.
AutoSys	S-DPS-21856	B	8668	To the extent possible, the PRONG CI COTS GUI shall be configured to conform to the guidelines in version 5.1 of the ECS User Interface Style Guide.
AutoSys	S-DPS-21860	B	8669	The PRONG CI HMI Functions shall be accessible via an API (Application Program Interface).
AutoSys	S-DPS-21880	A	4465	The PRONG CI shall provide a User Interface to authorized users.
AutoSys	S-DPS-21890	A	4466	The PRONG CI shall provide a Processing Queue Display as a visual display of the Processing Queues.
AutoSys	S-DPS-21900	A	4467	The PRONG CI shall update the Processing Queue Display information when the Processing State of a queued Data Processing Request is modified.
AutoSys	S-DPS-21910	A	4468	The PRONG CI shall update the Processing Queue Display information with an alert message when a fault has occurred during the queue processing of a Data Processing Request.
AutoSys	S-DPS-21950	A	4472	The PRONG CI shall log all alert messages which are used to update the Processing Queue display information.
AutoSys	S-DPS-22100	A	4488	The PRONG CI shall provide an interface to support the visual display of the Status Information files associated with the generated Data Product.
AutoSys	S-DPS-22200	A	4492	The PRONG CI shall accept a Processing Information Request to request the status of a Data Processing Request.
AutoSys	S-DPS-22210	A	4493	The PRONG CI shall have the capability to provide status for a Data Processing Request.
AutoSys	S-DPS-22220	A	4494	The PRONG CI shall provide current DPR Processing State data as part of the status information of a Data Processing Request.
AutoSys	S-DPS-22230	A	4495	The PRONG CI shall provide current queue position as part of the status information of a Data Processing Request.
AutoSys	S-DPS-22240	A	4496	The PRONG CI shall provide status information for the PGE associated with the Data Processing Request if the PGE is currently executing.
AutoSys	S-DPS-22250	A	4497	The PRONG CI shall have the capability of receiving the Status Information File of an executing PGE from the Data Processing Subsystem resource executing the PGE.

AutoSys	S-DPS-22400	A	4499	The PRONG CI shall accept Operations Commands to suspend, resume, or cancel the processing of a Data Processing Request.
AutoSys	S-DPS-22410	A	4500	The PRONG CI shall accept an Operations Command to modify a Data Processing Request.
AutoSys	S-DPS-22470	A	4501	The PRONG CI shall update the DPR Processing State to cancel when the Operation Command specifies cancellation.
AutoSys	S-DPS-22480	A	4502	The PRONG CI shall terminate data staging if in progress when the Data Processing Request is canceled.
AutoSys	S-DPS-22490	A	4503	The PRONG CI shall deallocate the memory which was allocated to the executing PGE associated with the canceled Data Processing Request.
AutoSys	S-DPS-22500	A	4504	The PRONG CI shall deallocate the disk storage which was allocated to the executing PGE associated with the canceled Data Processing Request.
AutoSys	S-DPS-22510	A	4505	The PRONG CI shall deallocate the CPU which was allocated to the executing PGE associated with the canceled Data Processing Request.
AutoSys	S-DPS-22520	A	4506	The PRONG CI shall terminate the execution of the PGE if in progress when the Data Processing Request is canceled.
AutoSys	S-DPS-22530	A	4507	The PRONG CI shall terminate data destaging if in progress when the Data Processing is canceled.
AutoSys	S-DPS-22540	A	4508	The PRONG CI shall send a Complete Notification Status message to the source of the Data Processing Request when the Data Processing Request is canceled.
AutoSys	S-DPS-22620	A	4513	The PRONG CI shall update the Priority Information associated with the Data Processing Request with the Priority Information contained in the Operation Command which specifies modify.
AutoSys	S-DPS-22630	A	4514	The PRONG CI shall perform queue processing for a Data Processing Request which has updated Priority Information.
CASEVision	S-DPS-40400	IR1	4561	The AITTL CI shall have the capability to determine if the Science Software contains memory leaks.
CASEVision	S-DPS-40430	IR1	4563	The AITTL CI shall have the capability to generate report files describing the results of code analysis.
CASEVision	S-DPS-41000	IR1	4584	The AITTL CI shall have the capability to measure the CPU time of a process.
CASEVision	S-DPS-41005	IR1	4585	The AITTL CI shall have the capability to measure the wall clock time of a process.
CASEVision	S-DPS-41010	IR1	4586	The AITTL CI shall have the capability to measure the CPU time of each procedure within a process.

CASEVision	S-DPS-41015	IR1	4587	The AITTL CI shall have the capability to measure the wall clock time of each procedure within a process.
CASEVision	S-DPS-41020	IR1	4588	The AITTL CI shall have the capability to measure the memory usage of a process.
CASEVision	S-DPS-41030	IR1	4589	The AITTL CI shall have the capability to measure the disk space usage of a process.
CASEVision	S-DPS-41035	IR1	4590	The AITTL CI shall have the capability to count the number of page faults for a process.
CASEVision	S-DPS-41040	IR1	4591	The AITTL CI shall have the capability to count the number of I/O accesses made by a process to each of its input and output data files.
CASEVision	S-DPS-41050	IR1	4592	The AITTL CI shall have the capability to generate report files discussing the results of profiling activities.
ClearCase	C-MSS-92640	B	8055	The MSS Report Generation Service shall be capable of generating an Indentured Level of Assembly List Report for all managed configuration items (CIs).
ClearCase	C-MSS-40400	IR1	9398	The MSS configuration management application service at the sites and the SMC shall maintain software libraries to store files containing versions and platform variants of: a. source code; b. binaries and executables; c. patches; d. calibration coefficients and control data; e. scripts; f. designs and design specifications; g. databases; h. technical documentation (both text and graphics); i. test data; j. test reports; k. interface specifications; l. configuration data. (IR-1)
ClearCase	C-MSS-40410	IR1	9399	The MSS configuration management application service at each DAAC shall maintain user-definable software configuration status information for each algorithm. (IR-1)
ClearCase	C-MSS-40420	IR1	9400	The MSS configuration management application service at each site shall maintain M&O staff-definable software configuration status information for each version of every software library file.
ClearCase	C-MSS-40460	A	400	The MSS configuration management application service at the SMC shall assemble unlicensed toolkit software files for posting to the ECS bulletin board. Files consist of: a. source code; b. linkable object code for selected workstation configurations; c. makefiles that automate installation; d. installation instructions.

ClearCase	C-MSS-40470	IR1	9401	The MSS configuration management application service shall regulate operations on software library files through use of individual and group permissions.
ClearCase	C-MSS-40480	IR1	9402	The MSS configuration management application service shall use a checkout/edit/checkin paradigm to govern changing of software library files.
ClearCase	C-MSS-40490	IR1	9403	The MSS configuration management application service shall track each software library file that has been changed as a new version of the original file.
ClearCase	C-MSS-40500	IR1	9404	The MSS configuration management application service shall merge versions of software library files and identify version conflicts, if any.
ClearCase	C-MSS-40510	IR1	9405	The MSS configuration management application service shall maintain records of actual changes made to ECS software library files in implementing system enhancement requests.
ClearCase	C-MSS-40520	A	9321	The MSS configuration management application service shall verify that changes to software library files are supported by approved change requests.
ClearCase	C-MSS-40530	A	407	The MSS configuration management application service shall identify implementation status for each version of every software library file, reflecting the lifecycle stage to which it has been promoted.
ClearCase	C-MSS-40540	IR1	9406	The MSS configuration management application service shall perform builds of baseline systems for ECS platforms and audit the builds such that they can be repeated.
ClearCase	C-MSS-40550	IR1	9407	The MSS configuration management application service shall reconstruct previous versions of software library files.
ClearCase	C-MSS-40560	IR1	9408	The MSS configuration management application service shall allow concurrent user access to software library files.
ClearCase	C-MSS-40570	IR1	9409	The MSS configuration management application service shall maintain an audit trail of all changes made to software library files.
ClearCase	C-MSS-40990	IR1	9410	The MSS configuration management application service shall log the following information for configuration management events: a. operation type; b. userid of initiator; c. date-time stamp; d. host name. (IR-1, at the sites only)

ClearCase	C-MSS-40995	IR1	9411	The MSS configuration management application service shall generate chronological reports of logged CM events associated with M&O staff-selectable: a. time frames; b. operation types; c. userids; d. hosts.
ClearCase	S-DPS-41400	IR1	9138	The AITTL CI shall include access to a configuration management tool supplied by MSS.
ClearCase	S-DPS-41895	IR1	4618	The AITTL CI shall provide to the operations staff the capability to retrieve a specified data file from local DAAC storage.
Compilers (Ada)	S-DPS-40250	IR1	4555	The AITTL CI shall have the capability to verify that Science Software source code written in Ada complies with the military specification MIL-STD-1815-A.
Compilers (C)	S-DPS-40200	IR1	4552	The AITTL CI shall have the capability to verify that Science Software source code written in C complies with the ANSI standard specification for C.
Compilers (C)	S-DPS-40260	IR1	4556	The AITTL CI shall have the capability to verify that Science Software source code is POSIX-compliant.
Compilers (C)	S-DPS-40295	IR1	4893	The AITTL CI shall provide standards checking capabilities, including, but not limited to: a. Flagging whenever a bit operation is used on signed numbers. (C only) b. Flagging argument list mismatches (type and number of arguments).
Compilers (C)	S-DPS-40340	IR1	4560	The AITTL CI shall have the capability to generate report files describing the results of standards checking.
Compilers (FORTRAN 77)	S-DPS-40210	IR1	4553	The AITTL CI shall have the capability to verify that Science Software source code written in FORTRAN77 complies with the ANSI standard specification for FORTRAN77.
Compilers (FORTRAN 90)	S-DPS-40230	IR1	4554	The AITTL CI shall have the capability to verify that Science Software source code written in FORTRAN 90 complies with the ANSI standard specification for FORTRAN 90.
DDTS	C-MSS-40600	A	414	The MSS configuration management application service shall provide a capability with which to specify a need for ECS system changes, both for enhancing system capabilities and for correcting non-conformance with system requirements.
DDTS	C-MSS-40610	A	415	The MSS configuration management application service shall store copies of non-conformance reports and requests to modify ECS components and configurations.

DDTS	C-MSS-40620	A	416	The MSS configuration management application service at the sites shall provide a capability with which to forward non-conformance reports and requests for ECS configuration changes to the SMC.
DDTS	C-MSS-40650	A	417	The MSS configuration management application service at the SMC shall receive configuration change requests and non-conformance reports in electronic form from the sites.
DDTS	C-MSS-40660	A	418	The MSS configuration management application service at the SMC shall distribute change evaluation requests to designated organizations system-wide and record evaluation assignments and distribution status.
DDTS	C-MSS-40670	A	419	The MSS configuration management application service at the SMC shall receive and store impact assessments in response to change evaluation requests.
DDTS	C-MSS-40680	A	420	The MSS configuration management service at the SMC shall electronically link impact assessments to their associated change requests.
DDTS	C-MSS-40690	A	421	The MSS configuration management application service at the SMC shall maintain the status of responses to change evaluation requests.
DDTS	C-MSS-40700	A	422	The MSS configuration management application service at the SMC shall record summaries of impact assessments received.
DDTS	C-MSS-40720	A	424	The MSS configuration management application service at the SMC shall make non-conformance reports, configuration change requests, assessments, and status available for system-wide viewing.
DDTS	C-MSS-40730	A	425	The MSS configuration management application service at the SMC shall maintain historical records of ECS configuration change requests, non-conformance reports, and system impact assessments.
DDTS	C-MSS-40750	A	427	The MSS configuration management application service at the SMC shall track approval and closure status of configuration change requests and non-conformance reports.
DDTS	C-MSS-40760	A	428	The MSS configuration management application service at the SMC shall report, and make available system-wide lists of the identity and disposition of configuration change requests and non-conformance reports against ECS baselines.
DDTS	C-MSS-40770	A	455	The MSS configuration management application service at the SMC shall collect, and make available system-wide, the allocations, schedules and status of tasks for implementing CCB-approved changes to ECS hardware and software and for correcting non-conformance with system requirements.

DDTS	C-MSS-40520	A	9321	The MSS configuration management application service shall verify that changes to software library files are supported by approved change requests.
DDTS	C-MSS-40990	A	9410	The MSS configuration management application service shall log the following information for configuration management events: a. operation type; b. userid of initiator; c. date-time stamp; d. host name. (IR-1, at the sites only)
DDTS	C-MSS-40995	A	9411	The MSS configuration management application service shall generate chronological reports of logged CM events associated with M&O staff-selectable: a. time frames; b. operation types; c. userids; d. hosts.
DDTS	C-MSS-92070	B	7998	The MSS Report Generation Service shall be capable of generating an Enhancement Proposal Status Report containing the status of proposed enhancements including: a. name b. description c. rationale d. impacts e. cost to implement f. implementation milestone schedule
DDTS	S-DPS-41410	IR1	9140	The AITTL CI shall include access to a problem tracking tool supplied by MSS.
emacs	S-DPS-40100	IR1	4550	The AITTL CI shall provide the operations staff with the capability to display Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
emacs	S-DPS-40110	IR1	4551	The AITTL CI shall provide the operations staff with the capability to print Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
emacs	S-DPS-41500	IR1	4614	The AITTL CI shall provide the capability for operations staff to write reports. This capability will include: (a) word processing, (b) spreadsheet, (c) plotting, (d) drawing.
emacs	S-DPS-41510	IR1	4615	The AITTL CI shall provide templates for reports to be written by the operations staff. (NOTE: It is assumed that these templates will be developed by the Science Office.)

FORCHECK	S-DPS-40210	IR1	4553	The AITTL CI shall have the capability to verify that Science Software source code written in FORTRAN77 complies with the ANSI standard specification for FORTRAN77.
FORCHECK	S-DPS-40230	IR1	4554	The AITTL CI shall have the capability to verify that Science Software source code written in FORTRAN 90 complies with the ANSI standard specification for FORTRAN 90.
FORCHECK	S-DPS-40295	IR1	4893	The AITTL CI shall provide standards checking capabilities, including, but not limited to: a. Flagging whenever a bit operation is used on signed numbers. (C only) b. Flagging argument list mismatches (type and number of arguments).
FORCHECK	S-DPS-40340	IR1	4560	The AITTL CI shall have the capability to generate report files describing the results of standards checking.
FORCHECK	S-DPS-40210	IR1	4553	The AITTL CI shall have the capability to verify that Science Software source code written in FORTRAN77 complies with the ANSI standard specification for FORTRAN77.
Ghostview	S-DPS-40100	IR1	4550	The AITTL CI shall provide the operations staff with the capability to display Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
Ghostview	S-DPS-40110	IR1	4551	The AITTL CI shall provide the operations staff with the capability to print Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
Ghostview	S-DPS-41500	IR1	4614	The AITTL CI shall provide the capability for operations staff to write reports. This capability will include: (a) word processing, (b) spreadsheet, (c) plotting, (d) drawing.
Ghostview	S-DPS-41510	IR1	4615	The AITTL CI shall provide templates for reports to be written by the operations staff. (NOTE: It is assumed that these templates will be developed by the Science Office.)
HP OpenView	C-MSS-12005	IR1	2364	The MSS Management User Interface (MUI) Service shall be compatible with the ECS management framework.
HP OpenView	C-MSS-12010	IR1	9392	The MSS Management User Interface (MUI) Service shall provide a graphical user interface that is OSF/MOTIF compliant
HP OpenView	C-MSS-12020	IR1	9393	The MSS MUI Service shall have the capability to respond to keyboard and mouse input devices

HP OpenView	C-MSS-12030	IR1	2328	The MSS MUI Service shall provide a capability for the M&O Staff to add/delete a symbol and to modify a symbol's shape, color and position
HP OpenView	C-MSS-12040	IR1	2329	The MSS MUI Service shall provide a capability for an application to add/delete a symbol and to modify a symbol's shape, color and position
HP OpenView	C-MSS-12050	IR1	2330	The MSS MUI Service shall provide a capability for the M&O Staff to add, delete, and modify text strings
HP OpenView	C-MSS-12060	IR1	2331	The MSS MUI Service shall provide a capability for an application to add, delete, and modify text strings
HP OpenView	C-MSS-12070	IR1	207	The MSS MUI Service shall have the capability to provide options and methods to the M&O Staff for screen configuration changes (color, symbol placement, etc) and for retaining the changes from session to session
HP OpenView	C-MSS-12080	IR1	9394	The MSS MUI Service shall provide a capability for applications to alert the M&O Staff
HP OpenView	C-MSS-12090	IR1	9395	The MSS MUI Service shall provide a capability for applications to establish a dialog session with the M&O Staff
HP OpenView	C-MSS-12100	IR1	2332	The MSS MUI Service shall provide a capability for the M&O Staff to load and unload vendor or ECS defined MIB.
HP OpenView	C-MSS-12110	IR1	9114	The MSS MUI Service shall provide a capability for applications to load and unload vendor or ECS defined MIB.
HP OpenView	C-MSS-12120	IR1	2334	The MSS MUI Service shall provide a capability for the operator to browse MIB values.
HP OpenView	C-MSS-12130	IR1	2335	The MSS MUI Service shall provide the capability for the M&O Staff to register and unregister managed objects.
HP OpenView	C-MSS-12140	IR1	2336	The MSS MUI Service shall provide the capability for an application to register and unregister managed objects.
HP OpenView	C-MSS-12170	A	216	The MSS MUI Service shall provide the capability to register and unregister management applications.
HP OpenView	C-MSS-12180	IR1	2337	The MSS MUI Service shall provide the capability for an application to display on-line help windows
HP OpenView	C-MSS-14010	IR1	2367	The MSS Maps/Collection Service shall retain the status of managed objects and their relationship to symbols that comprise a graphical representation of the physical network topology.
HP OpenView	C-MSS-14020	IR1	9396	The MSS Map/Collection Service shall provide a capability to define maps and objects.
HP OpenView	C-MSS-14030	IR1	2404	The MSS Map/Collection Service shall provide a capability to define a hierarchical relationship between maps and sub-maps (i.e., a graphical hierarchical tree)
HP OpenView	C-MSS-14040	IR1	2405	The MSS Map/Collection Service shall propagate events associated with objects up the hierarchical tree

HP OpenView	C-MSS-16005	IR1	2406	The ECS management protocol shall be the SNMP standard as specified in RFC 1157.
HP OpenView	C-MSS-16010	A	181	MSS Monitor/Control Service shall communicate via ECS management protocol with the Management Agent Service in test or operational mode.
HP OpenView	C-MSS-16020	IR1	2338	The MSS Monitor/Control Service shall communicate via ECS management protocol with the MSS Management Agent Service to request management data on a managed object.
HP OpenView	C-MSS-16030	IR1	2339	The MSS Monitor/Control Service shall be able to communicate via ECS management protocol with the MSS Management Agent Service to send ECS management set messages to configure and control the processing performed by the ECS management agent.
HP OpenView	C-MSS-16040	IR1	2369	The MSS Monitor/Control Service shall communicate via ECS management protocol with the MSS Management Agent Service to receive ECS management traps/events.
HP OpenView	C-MSS-16050	IR1	2371	The MSS Monitor/Control Service shall allow customized M&O staff-event notifications and automatic actions.
HP OpenView	C-MSS-16060	IR1	2340	The MSS Monitor/Control Service shall allow the capability to set thresholds on managed resources that are monitored
HP OpenView	C-MSS-16070	IR1	2372	The MSS Monitor/Control Service shall automatically report when a threshold has been exceeded by generating a ECS management event
HP OpenView	C-MSS-16100	IR1	4783	The MSS Monitor/Control Service shall perform the following protocol test on managed network nodes: a. IP test b. TCP test c. SNMP test d. UDP test e. ICMP test
HP OpenView	C-MSS-16110	A	5307	The MSS monitor/control service shall provide APIs to provide the capability for management data exchange with management applications.
HP OpenView	C-MSS-20010	IR1	2368	The MSS Discovery Service shall discover (via network protocol) new instances of managed objects.
HP OpenView	C-MSS-20020	IR1	2408	The MSS Discovery Service shall detect missing occurrences of managed objects.
HP OpenView	C-MSS-20030	IR1	2370	The MSS Discovery Service shall report missing occurrences of managed objects.
HP OpenView	C-MSS-20040	IR1	2414	The MSS Discovery Service shall update the object database after the Discovery Service receives a request to register/unregister a managed object.

HP OpenView	C-MSS-60010	IR1	9412	The MSS Fault Management Application Service shall provide the capability to create and display graphical representations of a given network topology consisting of the following: a. routers b. communication lines c. hosts d. peripherals e. applications
HP OpenView	C-MSS-60020	IR1	9413	The MSS Fault Management Application Service shall provide the capability to define categories of faults.
HP OpenView	C-MSS-60030	A	237	The MSS Fault Management Application Service shall provide the capability to assign faults to categories.
HP OpenView	C-MSS-60040	A	238	The MSS Fault Management Application Service shall provide the capability to assign severity levels to faults.
HP OpenView	C-MSS-60050	A	239	The MSS Fault Management Application Service shall be capable of providing the Management Data Access Service with a configurable list of fault categories that specify whether to enable or disable the logging of fault notifications for that fault category.
HP OpenView	C-MSS-60060	A	240	The MSS Fault Management Application Service shall provide the capability to enable or disable the display of fault notifications received from a specific managed object based on fault category assigned to that fault.
HP OpenView	C-MSS-60070	A	241	The MSS Fault Management Application Service shall provide the capability to specify additional information to be added to a disk log file, based on the fault category, when the notification of a fault is received.
HP OpenView	C-MSS-60080	IR1	9414	The MSS Fault Management Application Service shall have the capability to establish, view, modify and delete thresholds on performance metrics it measures.
HP OpenView	C-MSS-60100	IR1	9415	The MSS Fault Management Application Service shall have the capability to poll for the detection of fault/performance information.
HP OpenView	C-MSS-60110	IR1	9416	The MSS Fault Management Application Service shall be capable of receiving fault notifications.
HP OpenView	C-MSS-60120	IR1	9417	The MSS Fault Management Application Service shall have the capability to define the frequency with which polling is done for the detection of fault/performance information.
HP OpenView	C-MSS-60140	IR1	9418	The MSS Site Fault Management Application Service shall have the capability to generate a fault notification when a predefined threshold on a performance metric is exceeded.
HP OpenView	C-MSS-60150	IR1	9419	The MSS Fault Management Application Service shall have the capability to receive fault notifications from the Management Agent Service.

HP OpenView	C-MSS-60160	A	215	The MSS EMC Fault Management Application Service shall have the capability to receive notifications of detected faults and degradation of performance from: a. Site fault management applications b. Other external systems as defined in Section 5.1.
HP OpenView	C-MSS-60170	IR1	9420	The MSS EMC Fault Management Application Service shall be capable of requesting fault notification and performance degradation data from : a. Site Fault Management Applications b. Other external systems as defined in Section 5.1.
HP OpenView	C-MSS-60200	IR1	9422	The MSS Fault Management Application Service shall have the capability to generate the following types of notifications for detected faults : a. a change in the color of an icon on a display b. a message in a pop-up notification window c. logging the following fault information to a disk log file: 1. fault type 2. date and time of occurrence of the fault 3. identification of the source of the notification (e.g. IP address, process name, etc.) 4. fault data received with the notification 5. operator-defined descriptive text d. audible alert
HP OpenView	C-MSS-60210	A	226	The MSS Fault Management Application Service shall maintain a list of external service providers, M&O operators, and applications to be notified in the event that a specified fault is detected.
HP OpenView	C-MSS-60220	A	253	The MSS Fault Management Application Service shall have the capability to send the notification of a fault to registered recipients.
HP OpenView	C-MSS-60230	A	267	The MSS Fault Management Application Service shall have the capability of generating a notification within a maximum of five minutes of fault detection.
HP OpenView	C-MSS-60300	A	254	The MSS Fault Management Application Service shall provide the capability to identify routes between selected pairs of hosts on the ESN.
HP OpenView	C-MSS-60320	A	256	The MSS Fault Management Application Service shall provide, for selective use as a debugging aid, the capability to perform packet tracing of protocols used in ECS.
HP OpenView	C-MSS-60330	A	257	The MSS Fault Management Application Service at each site shall have the capability to perform periodic testing of all ECS communication links at that site to verify that they are operational.
HP OpenView	C-MSS-60340	IR1	9423	The MSS Fault Management Application Service shall be capable of verifying the operational status of a host.

HP OpenView	C-MSS-60360	A	259	The MSS Fault Management Application Service shall provide the capability to execute vendor diagnostics in order to diagnose faults traced to hardware equipment.
HP OpenView	C-MSS-60390	A	262	The MSS Fault Management Application Service at the sites shall, for faults detected within its site, isolate, locate, and identify faults to the level of: a. subsystem b. equipment c. software
HP OpenView	C-MSS-60395	A	263	The MSS Fault Management Application Service shall be capable of retrieving records of detected fault.
HP OpenView	C-MSS-60520	A	270	The MSS Fault Management Application Service shall provide the capability to allow the specification and execution of action routines in response to the notification of a fault.
HP OpenView	C-MSS-60530	A	271	The MSS Fault Management Application Service shall provide the capability to pass parameters to action routines.
HP OpenView	C-MSS-60540	A	272	The MSS Fault Management Application Service shall utilize office automation support tools for the generation of directives and instructions for recovery from faults within its site.
HP OpenView	C-MSS-60600	IR1	4831	The MSS Fault Management Application Service shall have the capability to generate, on an interactive and on a scheduled basis, reports on performance/error data that it has been configured to collect.
HP OpenView	C-MSS-60620	IR1	9426	The MSS Fault Management Application Service shall have the capability to redirect reports to: a. console b. disk file c. printer
HP OpenView	C-MSS-66000	IR1	4788	The MSS performance management application service shall be capable of monitoring the performance of the following ECS components a. network components 1. routers 2. links 3. bridges 4. gateways
HP OpenView	C-MSS-66010	IR1	9427	The MSS performance management application service shall be capable of monitoring ECS component protocol stack performance parameters defined in IETF RFC 1213.
HP OpenView	C-MSS-66020	IR1	2366	The MSS Performance Management Application Service shall be capable of monitoring ethernet-like device performance parameters as specified in IETF RFC 1623.

HP OpenView	C-MSS-66030	IR1	9428	The MSS performance management application service shall be capable of receiving managed object definitions for each managed object.
HP OpenView	C-MSS-66040	IR1	4832	The MSS performance management application service shall be capable of specifying which available performance metrics are to be gathered from each individual managed object.
HP OpenView	C-MSS-66050	IR1	2377	The MSS performance management application service shall be capable of requesting performance data from each individual managed object: a. at configurable intervals b. on demand.
HP OpenView	C-MSS-66060	IR1	2378	The MSS performance management application service shall be capable of receiving requested performance data from ECS components.
HP OpenView	C-MSS-66070	A	231	The MSS Performance Management Application Service shall be capable of receiving unrequested performance data from ECS managed objects.
HP OpenView	C-MSS-66080	IR1	4835	The MSS performance management application service shall be capable of retrieving the following data for all network component interfaces: a. operational status b. type c. speed d. octets in/out e. packets in/out f. discards in/out g. errors in/out
HP OpenView	C-MSS-66090	A	249	The MSS Performance Management Application Service shall have the capability to collect the following performance information about communication protocol stacks on managed devices: a. number of transport layer messages received with errors b. number of transport layer messages requiring retransmission c. number of transport layer messages received that could not be delivered d. number of jetwork layer messages received with errors e. number of network layer messages received that could not be delivered f. number of network layer messages that were discarded

HP OpenView	C-MSS-66120	IR1	4784	The MSS performance management application service shall be capable of determining the operational state of all network components, hosts, and peripherals to be: a. on-line b. off-line c. in test mode
HP OpenView	C-MSS-66130	IR1	4785	The MSS performance management application service shall be capable of receiving operational state change notifications from network components, hosts, applications, and peripherals.
HP OpenView	C-MSS-66140	A	9106	The MSS EMC Performance Management Application Service shall have the capability to request performance data from: a. Site performance management applications b. Other external systems as defined in Section 5.1 of the current version od 304-CD-003.
HP OpenView	C-MSS-66150	A	9125	The MSS EMC Performance Management Application Service shall be capable of receiving performance data from: a. Site performance management applications b. Other external systems as defined in Section 5.1 of the current version of 304-CD-003.
HP OpenView	C-MSS-66170	IR1	9429	The MSS performance management application service shall log ECS performance data pertaining to ECS network components and operating system resources.
HP OpenView	C-MSS-66190	IR1	9431	The MSS performance management application service shall provide a configurable number of thresholds for each performance metric.
HP OpenView	C-MSS-66230	IR1	2374	The MSS performance management application service shall allow each performance metric threshold to be configurable.
HP OpenView	C-MSS-66240	IR1	2375	The MSS performance management application service shall be capable of evaluating each performance metric against defined thresholds.
HP OpenView	C-MSS-68000	IR1	9435	The MSS performance management application service shall be capable of graphically displaying the operational state of managed objects through the MUI service.
HP OpenView	C-MSS-68020	IR1	9437	The MSS performance management application service shall be capable of printing M&O staff-selected performance statistics.
HP OpenView	C-MSS-68030	A	311	The MSS performance management application service shall be capable of receiving system resource utilization information requests from the SDPS Data Processing subsystem via the Management Agent Service.

HP OpenView	C-MSS-68040	A	312	The MSS performance management application service shall be capable of providing the following current system resource utilization information to the SDPS Data Processing subsystem via Management Agent Service: a. CPU utilization b. memory utilization c. disk i/o's (per second)
HP OpenView	C-MSS-68050	A	313	The MSS performance management application service shall be capable of receiving resource utilization information requests from the SDPS Data Server subsystems via Management Agent Service.
HP OpenView	C-MSS-68060	A	314	The MSS performance management application service shall be capable of providing the following current resource utilization information to the SDPS Data Server subsystem via the Management Agent Service: a. CPU utilization b. memory utilization c. disk I/O's (per second)
HP OpenView	C-MSS-68070	A	315	The MSS performance management application service shall be capable of receiving resource utilization information requests from the SDPS Client subsystem via the Management Agent Service.
HP OpenView	C-MSS-68080	A	316	The MSS performance management application service shall be capable of providing the following current resource utilization information to the SDPS Client subsystem via the Management Agent Service. a. CPU utilization b. memory utilization c. disk I/O's (per second)
HP OpenView	C-MSS-68100	IR1	9438	The MSS Performance Management Application Service shall have the capability to redirect reports to: a. console b. disk file c. printer
HP OpenView	C-MSS-70400	A	336	The MSS EMC Security Management Application Service shall have the capability to receive notifications of security events from the site Security Management Application Services.
HP OpenView	C-MSS-92170	B	8008	The MSS Report Generation Service shall be capable of generating a CPU Load Report graphically depicting the average number of jobs in the run queue over the last 1, 5, and 15 minute period for each selected node.
HP OpenView	C-MSS-92180	B	8009	The MSS Report Generation Service shall be capable of generating an Interface Traffic Report graphically plotting network packet statistics in real-time for the operator selected SNMP node(s).

HP OpenView	C-MSS-92190	B	8010	The MSS Report Generation Service shall be capable of generating an Ethernet Traffic Report graphically plotting network packet statistics in real-time for the operator selected SNMP node(s).
HP OpenView	C-MSS-92200	B	8011	The MSS Report Generation Service shall be capable of generating an SNMP Traffic Report graphically plotting network packet statistics in real-time for the operator selected SNMP node(s).
HP OpenView	C-MSS-92210	B	8012	The MSS Report Generation Service shall be capable of generating an SNMP Operations Report graphically plotting the number of selected SNMP operations/sec requested to be performed by the SNMP agent on the selected node(s).
HP OpenView	C-MSS-92220	B	8013	The MSS Report Generation Service shall be capable of generating a Site Host Resource Utilization Report indicating minimum/average/maximum measured percent usage of host CPU and memory resources and disk reads and writes over the report interval.
HP OpenView	C-MSS-92230	B	8014	The MSS Report Generation Service shall be capable of generating a SMC Host Resource Utilization Report indicating minimum/average/maximum measured percent usage of SMC host CPU and memory resources and disk reads and writes over the report interval.
HP OpenView	C-MSS-92240	B	8015	The MSS Report Generation Service shall be capable of generating a Disk Space Report which lists the file system space available on a selected managed host node.
HP OpenView	C-MSS-92330	B	8024	The MSS Report Generation Service shall be capable of generating an Ethernet Errors Report graphically depicting Ethernet error statistics for a selected node in real-time.
HP OpenView	C-MSS-92340	B	8025	The MSS Report Generation Service shall be capable of generating an SNMP Errors report graphically depicting SNMP error statistics in real-time for the selected network nodes.
HP OpenView	C-MSS-92350	B	8026	The MSS Report Generation Service shall be capable of generating an SNMP Authentication Failures Report listing the management systems that caused an authentication failure on the operator selected node(s).
HP OpenView	C-MSS-92360	B	8027	The MSS Report Generation Service shall be capable of generating an SNMP Event Log Report containing a chronological list of SNMP events which occurred over the report interval for the selected node(s).
HP OpenView	C-MSS-92370	B	8028	The MSS Report Generation Service shall be capable of generating a Site Host Errors Report containing a statistical summary of the types of errors logged at each host at a site over the reporting period.

HP OpenView	C-MSS-92630	B	8054	The MSS Report Generation Service shall be capable of generating an SNMP Event Notification report identifying the IP address(es) of the management system(s) to which the selected node is configured to send SNMP events.
IDL	S-DPS-40700	A	4564	The data visualization capability of the AITTL CI shall include the capability to display data in hexadecimal, octal, decimal, or ASCII form.
IDL	S-DPS-40710	A	4565	The data visualization capability of the AITTL CI shall include the capability to display data as a two- or three-dimensional image.
IDL	S-DPS-40720	A	4566	The data visualization capability of the AITTL CI shall include the capability to display data as a two- or three-dimensional plot.
IDL	S-DPS-40730	A	4567	The data visualization capability of the AITTL CI shall include the capability to difference data and to display the differences as a two- or three-dimensional image or plot.
IDL	S-DPS-40740	A	4568	The data visualization capability of the AITTL CI shall include the capability to produce and play a "movie loop" of data in two- or three-dimensional image or plot form.
IDL	S-DPS-40750	A	4569	The data visualization capability of the AITTL CI shall include the capability to display an arbitrary two-dimensional slice of a three-dimensional image or plot.
IDL	S-DPS-40760	A	4570	The data visualization capability of the AITTL CI shall include the capability to rotate a three-dimensional image or plot about an arbitrary axis.
IDL	S-DPS-40770	A	4571	The data visualization capability of the AITTL CI shall include providing the user with the option to specify the color table for new or existing image displays.
IDL	S-DPS-40780	A	4572	The data visualization capability of the AITTL CI shall include providing the user with the option to specify the axis limits for new or existing plot displays.
IDL	S-DPS-40790	A	4573	The data visualization capability of the AITTL CI shall include providing the operations staff with the option to specify the parameter assigned to each axis in new or existing plot or image displays.
IDL	S-DPS-40800	A	4574	The data visualization capability of the AITTL CI shall include the capability to display simultaneously multiple views of the same or different data in different windows.
IDL	S-DPS-40810	A	4575	The data visualization capability of the AITTL CI shall include the capability to save any plot, image, or hex/decimal/octal/ASCII dump to a file.
IDL	S-DPS-40820	A	4576	The data visualization capability of the AITTL CI shall include feature enhancement capabilities, including but not limited to (1) histogram equalization and (2) edge enhancement.

IDL	S-DPS-40830	A	4577	The data visualization capability of the AITTL CI shall include the capability to read ASCII, binary, or HDF files.
IDL	S-DPS-40840	A	4578	The data visualization capability of the AITTL CI shall include the capability to allow the operations staff to specify a custom input data format.
Illustra	S-DSS-10030	A	3577	The DDSRV CI shall support storage, retrieval and searching of documents in HTML format.
Illustra	S-DSS-10050	A	3579	The DDSRV CI shall provide documents to requesting agencies.
Illustra	S-DSS-10060	A	3582	The DDSRV CI shall provide access to the ECS guide (documentation/reference material) and guide services.
Illustra	S-DSS-10070	A	3583	The DDSRV CI shall store, maintain and provide data management services for ECS guide (documentation/reference material).
Illustra	S-DSS-10090	A	3585	The DDSRV CI shall be capable of receiving documentation of processing algorithms used for EOS and other Earth Science Data Products generated by the ECS
Illustra	S-DSS-10095	A	4948	The DDSRV CI shall be capable of receiving data from the PLANG CI.
Illustra	S-DSS-10100	A	3586	The DDSRV CI shall be capable of receiving references to results of science data quality assessments of EOS data
Illustra	S-DSS-10110	A	3587	The DDSRV CI shall be capable of receiving bibliography information of published and unpublished literature (as available) derived from the project
Illustra	S-DSS-10120	A	3588	The DDSRV CI shall be capable of providing cross references between differing studies of the same data
Illustra	S-DSS-10130	A	3589	The DDSRV CI shall be capable of receiving other documents relevant to quality assessment of EOS data
Illustra	S-DSS-10140	A	3590	The DDSRV CI shall provide the capability to receive data describing format and media options available for a given data set.
Illustra	S-DSS-10150	A	3591	The DDSRV CI shall be capable of receiving instrument specifications
Illustra	S-DSS-10160	A	3592	The DDSRV CI shall provide the capability to receive summaries of data sets derived from observation logs
Illustra	S-DSS-10170	A	3593	The DDSRV CI shall receive user supplied documents in HTML & ASCII
Illustra	S-DSS-10180	A	3594	The DDSRV CI shall provide the capability to receive data describing subsetting, subsampling, and transformation options available for a given data set.
Illustra	S-DSS-10190	A	3597	The DDSRV CI shall receive Guide Data from Version 0 in HTML & ASCII
Illustra	S-DSS-10200	A	3598	The DDSRV CI shall provide the capability to ingest documentation in ASCII text format.

Illustra	S-DSS-10204	A	3600	The DDSRV CI shall provide the capability to ingest documentation in HTML format.
Illustra	S-DSS-10209	A	4925	The DDSRV CI shall provide the capability to ingest documentation in Postscript format.
Illustra	S-DSS-10210	A	3603	The DDSRV CI shall receive information that describes spacecraft-housekeeping and Ancillary Data parameters stored in the Science Data Server.
Illustra	S-DSS-10220	A	3604	The DDSRV CI shall receive Guide Data from Version 0.
Illustra	S-DSS-10238	A	4949	The DDSRV CI shall provide storage for production plan data.
Illustra	S-DSS-10241	A	4924	Upon receipt of all supported document formats and descriptive data, the DDSRV CI shall provide storage for the document and descriptive data.
Illustra	S-DSS-10250	A	3610	Upon receipt and successful storage of all supported document formats and descriptive data, the DDSRV CI shall provide access to the document and/or data.
Illustra	S-DSS-10055	B	8863	The DDSRV CI shall provide, to qualified users, access to all documents and data types held in the server's collection.
Illustra	S-DSS-10202	B	8864	The DDSRV CI shall provide the capability to ingest documentation in Microsoft WORD format.
Illustra	S-DSS-10206	B	8865	The DDSRV CI shall provide the capability to ingest documentation in Interleaf format.
Illustra	S-DSS-10208	B	8866	The DDSRV CI shall provide the capability to ingest documentation in WordPerfect format.
Illustra	S-DSS-04476	A	4923	The DDSRV CI shall provide the ability to store documents and/or data.
Illustra	S-DSS-10010	A	3575	The guide shall be maintained on-line by the DDSRV CI.
Illustra	S-DSS-10186	A	3596	The DDSRV CI shall report to operations staff all errors involving file accesses.
Illustra	S-DSS-00115	B	8711	The SDSRV CI shall accept Search Status Requests for a specified active Search Request and, if requested, provide all Search Results accumulated for that Search Request.
Illustra	S-DSS-00116	B	8712	The SDSRV CI shall accept Search Status Requests for a specified active Search Request and, if requested, provide all Search Results accumulated since the last Search Status Request for that Search Request.
Illustra	S-DSS-00180	B	8713	The SDSRV CI shall accept and process Data Requests for Data Products that are produced on demand using the resources available to the Data Server.
Illustra	S-DSS-00270	B	8722	The SDSRV CI shall accept and process Data Requests for Repaired Orbit Data.
Illustra	S-DSS-00280	B	8723	The SDSRV CI shall accept and process Data Requests for Attitude Data.

Illustra	S-DSS-00730	B	8745	The SDSRV CI shall provide the capability to store Metadata problem reports.
Illustra	S-DSS-00732	B	8746	The SDSRV CI shall provide the capability for one Data Server to accept Data Availability Schedules from another Data Server.
Illustra	S-DSS-00740	B	8747	The SDSRV CI shall notify operations staff of the receipt of Metadata problem reports.
Illustra	S-DSS-00750	B	8748	The SDSRV CI shall provide Metadata problem reports to operations staff upon request.
Illustra	S-DSS-00770	B	8750	The SDSRV CI shall utilize vendor supplied tools to analyze system CPU performance.
Illustra	S-DSS-00780	B	8751	The SDSRV CI shall utilize vendor supplied tools to monitor the performance of query processing.
Illustra	S-DSS-00790	B	8752	The SDSRV CI shall utilize vendor supplied tools to analyze system storage performance.
Illustra	S-DSS-00800	B	8753	The SDSRV CI shall utilize vendor supplied tools to tune system throughput performance.
Illustra	S-DSS-00810	B	8754	The SDSRV CI shall utilize vendor supplied tools to analyze system throughput performance.
Illustra	S-DSS-01360	B	8777	The SDSRV CI shall, in the event of a restart after a processing failure, recover the state of all Service Requests, including the rollback of all incomplete Data Base Transactions, and the recovery of all complete Data Base Transactions.
Illustra	S-DSS-01520	B	8783	The SDSRV CI shall provide the capability to notify a user that a new version of the data has been archived.
Illustra	S-DSS-03006	B	8797	The SDSRV CI shall be capable of receiving Metadata associated with Ancillary Data.
Illustra	S-DSS-03100	B	8800	The SDSRV CI shall be capable of receiving FDF Metadata for Orbit and Attitude data for AM-1 instruments.
Illustra	S-DSS-03200	B	8804	The SDSRV CI shall be capable of receiving Metadata associated with Orbit/Attitude data.
Illustra	S-DSS-03340	B	9732	The SDSRV CI shall be capable of receiving Metadata associated with Special Data Products.
Illustra	S-DSS-03410	B	8813	The SDSRV CI shall verify compliance of scientist provided Metadata with EOSDIS defined standards for Metadata content and structure (not scientific content).
Illustra	S-DSS-03710	B	9748	The SDSRV CI shall provide storage for Metadata associated with special Data Products.
Illustra	S-DSS-04410	B	8850	The SDSRV CI's MD Component shall have the ability to store references to Orbit/Attitude Data as Metadata for science data.

Illustra	S-DSS-04500	B	8851	The SDSRV CI's MD Component shall have the ability to indicate the need for on-demand product generation as Metadata for science data.
Illustra	S-DSS-04620	B	8852	The SDSRV CI shall update the Metadata for a data item that has been purged from the system.
Illustra	S-DSS-04630	B	8853	The SDSRV CI shall update the Metadata whenever a data item is relocated to another site.
Illustra	S-DSS-10020	B	8862	The DDSRV CI shall accept Subscriptions for metadata from the client.
Illustra	S-DSS-10231	B	8868	The DDSRV CI shall utilize vendor supplied tools to analyze system CPU performance.
Illustra	S-DSS-10232	B	8869	The DDSRV CI shall utilize vendor supplied tools to analyze system throughput performance.
MS Office	S-DPS-40100	IR1	4550	The AITTL CI shall provide the operations staff with the capability to display Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
MS Office	S-DPS-40110	IR1	4551	The AITTL CI shall provide the operations staff with the capability to print Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
MS Office	S-DPS-41500	IR1	4614	The AITTL CI shall provide the capability for operations staff to write reports. This capability will include: (a) word processing, (b) spreadsheet, (c) plotting, (d) drawing.
MS Office	S-DPS-41510	IR1	4615	The AITTL CI shall provide templates for reports to be written by the operations staff. (NOTE: It is assumed that these templates will be developed by the Science Office.)
Netscape	S-DPS-40100	IR1	4550	The AITTL CI shall provide the operations staff with the capability to display Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
Netscape	S-DPS-40110	IR1	4551	The AITTL CI shall provide the operations staff with the capability to print Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
Netscape	S-DPS-41500	IR1	4614	The AITTL CI shall provide the capability for operations staff to write reports. This capability will include: (a) word processing, (b) spreadsheet, (c) plotting, (d) drawing.

Netscape	S-DPS-41510	IR1	4615	The AITTL CI shall provide templates for reports to be written by the operations staff. (NOTE: It is assumed that these templates will be developed by the Science Office.)
Netscape	F-FUI-02705	A	1792	The FOS shall provide the user with the capability to cancel any help data retrieval.
Netscape	F-FUI-02710	A	1793	The FOS shall provide the user with the capability to open one or more help windows.
Netscape	F-FUI-02725	B	1796	The FOS shall provide a help screen with the following navigational schemes: a. hypertext forward b. hypertext trace back c. page forward d. page backward e. jump to home page (table of contents) f. search/find on a keyword
Netscape Commerce	S-DSS-10030	A	3577	The DDSRV CI shall support storage, retrieval and searching of documents in HTML format.
Netscape Commerce	S-DSS-10050	A	3579	The DDSRV CI shall provide documents to requesting agencies.
Netscape Commerce	S-DSS-10060	A	3582	The DDSRV CI shall provide access to the ECS guide (documentation/reference material) and guide services.
Netscape Commerce	S-DSS-10070	A	3583	The DDSRV CI shall store, maintain and provide data management services for ECS guide (documentation/reference material).
Netscape Commerce	S-DSS-10090	A	3585	The DDSRV CI shall be capable of receiving documentation of processing algorithms used for EOS and other Earth Science Data Products generated by the ECS
Netscape Commerce	S-DSS-10095	A	4948	The DDSRV CI shall be capable of receiving data from the PLANG CI.
Netscape Commerce	S-DSS-10100	A	3586	The DDSRV CI shall be capable of receiving references to results of science data quality assessments of EOS data
Netscape Commerce	S-DSS-10110	A	3587	The DDSRV CI shall be capable of receiving bibliography information of published and unpublished literature (as available) derived from the project
Netscape Commerce	S-DSS-10120	A	3588	The DDSRV CI shall be capable of providing cross references between differing studies of the same data
Netscape Commerce	S-DSS-10130	A	3589	The DDSRV CI shall be capable of receiving other documents relevant to quality assessment of EOS data
Netscape Commerce	S-DSS-10140	A	3590	The DDSRV CI shall provide the capability to receive data describing format and media options available for a given data set.
Netscape Commerce	S-DSS-10150	A	3591	The DDSRV CI shall be capable of receiving instrument specifications

Netscape Commerce	S-DSS-10160	A	3592	The DDSRV CI shall provide the capability to receive summaries of data sets derived from observation logs
Netscape Commerce	S-DSS-10170	A	3593	The DDSRV CI shall receive user supplied documents in HTML & ASCII
Netscape Commerce	S-DSS-10180	A	3594	The DDSRV CI shall provide the capability to receive data describing subsetting, subsampling, and transformation options available for a given data set.
Netscape Commerce	S-DSS-10190	A	3597	The DDSRV CI shall receive Guide Data from Version 0 in HTML & ASCII
Netscape Commerce	S-DSS-10200	A	3598	The DDSRV CI shall provide the capability to ingest documentation in ASCII text format.
Netscape Commerce	S-DSS-10204	A	3600	The DDSRV CI shall provide the capability to ingest documentation in HTML format.
Netscape Commerce	S-DSS-10209	A	4925	The DDSRV CI shall provide the capability to ingest documentation in Postscript format.
Netscape Commerce	S-DSS-10210	A	3603	The DDSRV CI shall receive information that describes spacecraft-housekeeping and Ancillary Data parameters stored in the Science Data Server.
Netscape Commerce	S-DSS-10220	A	3604	The DDSRV CI shall receive Guide Data from Version 0.
Netscape Commerce	S-DSS-10238	A	4949	The DDSRV CI shall provide storage for production plan data.
Netscape Commerce	S-DSS-10241	A	4924	Upon receipt of all supported document formats and descriptive data, the DDSRV CI shall provide storage for the document and descriptive data.
Netscape Commerce	S-DSS-10250	A	3610	Upon receipt and successful storage of all supported document formats and descriptive data, the DDSRV CI shall provide access to the document and/or data.
Netscape Commerce	S-DSS-10055	B	8863	The DDSRV CI shall provide, to qualified users, access to all documents and data types held in the server's collection.
Netscape Commerce	S-DSS-10202	B	8864	The DDSRV CI shall provide the capability to ingest documentation in Microsoft WORD format.
Netscape Commerce	S-DSS-10206	B	8865	The DDSRV CI shall provide the capability to ingest documentation in Interleaf format.
Netscape Commerce	S-DSS-10208	B	8866	The DDSRV CI shall provide the capability to ingest documentation in WordPerfect format.
OODCE / DCE	C-CSS-00020	A	5222	The CSS services shall have no single point of failure for functions associated with network databases and configuration data.
OODCE / DCE	C-CSS-01000	A	638	The CSS DOF Service shall provide a standards-based Interface Definition Language (IDL) and language mappings to at least C and C++ (limited) languages.
OODCE / DCE	C-CSS-01010	A	639	The CSS DOF provided IDL shall support versioning of the interface supporting minor and major versions.

OODCE / DCE	C-CSS-01020	A	640	The IDL supported minor versioning shall be upward compatible that requires no changes in the client software to communicate with the new implementation.
OODCE / DCE	C-CSS-01030	A	641	The CSS DOF Service shall support the passing of the general error status as a parameter in calls between the clients and servers automatically.
OODCE / DCE	C-CSS-01040	A	642	The CSS DOF Service shall provide the capability to marshal and unmarshal the arguments and the returned value transparently while making a remote procedure call.
OODCE / DCE	C-CSS-01050	A	643	The CSS DOF Service shall provide the capability to marshal and unmarshal standard types to/from a common standard format.
OODCE / DCE	C-CSS-01060	A	644	The CSS DOF Service shall provide the capability to define marshaling and unmarshaling routines for user defined types.
OODCE / DCE	C-CSS-01140	A	652	The CSS DOF Service shall provide client APIs to bind to services (registered in the local namespace as well as remote namespaces) by using any of the following information to achieve location transparency of services. a. a service name b. an interface name c. an object name d. a host name and communication protocol e. an object reference
OODCE / DCE	C-CSS-01160	A	654	The CSS DOF Service shall provide client APIs to specify a confidence level of the binding information as follows: a. a low confidence level indicating the use of a local cache to obtain binding information b. a medium confidence level indicating the DOF to get the binding information from any of the directory replicas. c. a high confidence level indicating the DOF to get the binding information from the master copy of the directory services.
OODCE / DCE	C-CSS-01170	A	655	The CSS DOF Service shall provide APIs to set/get the authentication service type to be used between the server and the client.
OODCE / DCE	C-CSS-01180	A	656	The CSS DOF Service shall provide APIs to set/get authorization service type to be used between the client and the server.
OODCE / DCE	C-CSS-01190	A	657	The CSS DOF Service shall provide APIs to maintain the integrity of the data to be passed between the client and the server.
OODCE / DCE	C-CSS-01200	A	658	The CSS DOF Service shall provide APIs to maintain the privacy of the data passed between the client and the server by encrypting and decrypting the data.

OODCE / DCE	C-CSS-01210	A	659	The CSS DOF Service shall provide APIs to set the identity of a given principal to a given process.
OODCE / DCE	C-CSS-20080	A	570	The CSS Directory Service shall interact with the Security Service to provide host based security to the entries in the namespace.
OODCE / DCE	C-CSS-20085	A	412	The CSS Directory Service shall interact with the Security Service to provide principal based security to the entries in the CDS namespace and an enhanced host based security for the entries in the GDS namespace.
OODCE / DCE	C-CSS-21000	IR1	9332	The CSS Security service shall provide an API to verify the identity of users.
OODCE / DCE	C-CSS-21005	A	514	The CSS Security service shall provide a unique session key for each client session.
OODCE / DCE	C-CSS-21020	IR1	2401	The CSS Security service shall provide the capability to create/modify/delete user accounts and privileges in the security registry.
OODCE / DCE	C-CSS-21030	IR1	2402	The CSS Security service shall provide the capability to define/modify/delete group information in the security registry.
OODCE / DCE	C-CSS-21040	A	579	The CSS Security service shall provide an API to limit the time after which a login context will expire.
OODCE / DCE	C-CSS-21050	A	580	The CSS Security Service shall provide an API to refresh login contexts before they expire.
OODCE / DCE	C-CSS-21100	IR1	2412	The CSS Security service shall provide an API to challenge the client/server to authenticate itself at the following three levels. a. connect level b. request level c. packet level
OODCE / DCE	C-CSS-21170	A	592	The CSS Security service shall provide an API to maintain the integrity of the data passing between processes by using checksums at the following three levels: a. connect level b. request level c. packet level
OODCE / DCE	C-CSS-21180	A	593	The CSS Security service shall provide an API to encrypt and send the data passing between processes at the following three levels: a. connect level b. request level c. packet level
OODCE / DCE	C-CSS-21190	A	594	The CSS Security service shall provide an API to receive and decrypt the data passing between processes at the following three levels: a. connect level b. request level c. packet level

OODCE / DCE	C-CSS-21200	A	599	The CSS Security service shall support the Data Encryption Standard (DES) to encrypt and decrypt data.
OODCE / DCE	C-CSS-25010	A	613	The CSS Time Service shall adjust the time kept by the operating system at every node.
OODCE / DCE	C-CSS-25120	A	483	The CSS Time Service shall provide the utilities required to synchronize system time across all components.
OODCE / DCE	C-CSS-25130	A	534	The CSS Time Service shall have the capability to synchronize it's time to one or more external time sources.
OODCE / DCE	C-CSS-25140	A	542	The CSS Time Service shall maintain an accuracy of 500 milliseconds within all ECS distributed components.
OODCE / DCE	C-CSS-26010	A	630	The CSS Thread Service shall allow the option that each invocation of a server operation to run as a distinct thread.
OODCE / DCE	C-CSS-26020	A	631	The CSS Thread Service shall protect against conflicts between different threads accessing the same data.
OODCE / DCE	C-CSS-26030	A	632	The CSS Thread Service shall take into account the possibility that other threads may change shared data at any point. Code that will function correctly when executed by multiple concurrent threads is called thread-safe.
OODCE / DCE	C-CSS-26040	A	633	The CSS Thread Service shall provide an API that synchronizes the access of shared data between concurrent threads.
OODCE / DCE	C-CSS-26050	A	634	The CSS Thread Service shall provide a synchronizing object that is in one of two states: locked or unlocked.
OODCE / DCE	C-CSS-26060	A	635	The CSS Thread Service shall provide an API that allows each thread to lock the synchronizing object before it accesses the shared data.
OODCE / DCE	C-CSS-26065	A	703	The CSS Thread Service shall provide an API to release locks associated with resources.
OODCE / DCE	C-CSS-26070	A	636	The CSS Thread Service shall provide an API that allows each thread to unlock the synchronizing object when it is finished accessing that data.
OODCE / DCE	C-CSS-26080	A	637	The CSS Thread Service shall if the synchronizing object is locked by another thread, block the thread requesting the lock.
OODCE / DCE	C-CSS-63000	IR1	9361	The CSS Virtual Terminal shall provide a virtual device which hides the physical terminal characteristics and handling conventions from both the operator and the server host.
OODCE / DCE	C-CSS-63010	IR1	9362	The CSS Virtual Terminal shall provide means to enhance characteristics of the basic virtual device by mutual agreement between the two communicating parties (option negotiations).
OODCE / DCE	C-CSS-63020	IR1	4780	The CSS Virtual Terminal shall be based on industry standard and accepted protocols (telnet and ktelnet).
OODCE / DCE	C-CSS-63040	IR1	9364	The CSS Virtual Terminal shall provide guest access to non-registered users to log into the ECS guest server.

OODCE / DCE	C-CSS-63050	A	462	The CSS Virtual Terminal shall support kerberized version of the telnet protocol for secure authentication of users.
OODCE / DCE	C-CSS-63060	A	398	The CSS Virtual Terminal shall support X applications.
OODCE / DCE	C-MSS-10410	IR1	2416	The MSS shall interface with the CSS subsystems to exchange the data items in Table 5.1-5 as specified in the ECS internal ICDs, 313-DV3-003.
OODCE / DCE	C-MSS-70020	IR1	324	The MSS Security Management Application Service shall enable the assignment of user accounts to groups based on the group identification code.
OODCE / DCE	C-MSS-70100	IR1	325	The MSS site Security Management Application Service shall provide the capability to set, maintain, and update access control information for ECS resources.
OODCE / DCE	C-MSS-70110	A	326	The MSS site Security Management Application Service shall provide the capability to specify privileges for authorized users and user groups for access to ECS resources.
OODCE / DCE	C-MSS-70130	IR1	328	The MSS site Security Management Application Service shall provide a command line interface and a GUI for the management of the following security databases: a. Authentication Database b. Authorization Database c. Network Database
PNM	C-MSS-87500	A	5137	The Physical Configuration Management Service shall be capable of importing floor plans from existing files .
PNM	C-MSS-87510	A	5138	The Physical Configuration Management Service shall provide a graphical interface for adding to and editing the existing floor plan.
PNM	C-MSS-87520	A	5139	The Physical Configuration Management Service shall be capable, through interfacing with the ECS Management framework, of determining and storing information regarding physical components.
PNM	C-MSS-87530	A	5140	The Physical Configuration Management Service shall be capable of determining and storing the following information regarding physical components: a. physical device identification b. physical device information c. physical device location d. physical device status
PNM	C-MSS-87540	A	5141	The Physical Configuration Management Service shall have the capability to augment the information obtained from ECS Management framework on each component with additional information.

PNM	C-MSS-87550	A	5142	The Physical Configuration Management Service shall have the capability to allow the entry and storage of information regarding additional physical components that cannot be discerned through the ECS Management framework.
PNM	C-MSS-87560	A	5143	The Physical Configuration Management Service shall provide a graphical interface for viewing the physical location of system components on the floor plans.
PNM	C-MSS-87570	A	5144	The Physical Configuration Management Service shall provide a graphical interface for changing the location of the system components.
PNM	C-MSS-87580	A	5145	The Physical Configuration Management Service shall be capable of maintaining the following information for all of the physical system components: a. Inventory data (name, purchase date, purchase price, installation date, manufacturer, serial number, physical location) b. Network data (network location, protocols) c. Maintenance data (maintenance date)
PNM	C-MSS-87590	A	5146	The Physical Configuration Management Service shall be capable of interfacing with the Management Database in order to store and retrieve data.
PNM	C-MSS-87600	A	5147	The Physical Configuration Management Service shall provide a standard set of reports against this data.
PNM	C-MSS-87610	A	5148	The Physical Configuration Management Service shall provide the ability to produce custom reports against this data.
PNM	C-MSS-87620	A	5149	The Physical Configuration Management Service shall provide tight integration with the Trouble Ticketing (TT) System including allowing direct access of the TT through the Physical Configuration Management Interface.
PNM	C-MSS-87630	A	5150	The Physical Configuration Management Service shall provide the ability to interface with the ECS Management framework to capture status information on each component.
PNM	C-MSS-87640	A	5151	The Physical Configuration Management Service shall provide the ability to display the status obtained above within the graphical interface.
Remedy ARS	C-MSS-57500	A	5124	The Trouble Ticketing Service shall have a graphical user interface to support the entry and editing of trouble tickets.
Remedy ARS	C-MSS-57510	A	5125	The Trouble Ticketing Service shall provide the ability to automatically notify the originator of the trouble ticket of changes in status.
Remedy ARS	C-MSS-57520	A	5126	The Trouble Ticketing Service shall provide an Application Program Interface which supports integration of entry of trouble tickets by other packages.

Remedy ARS	C-MSS-57530	A	5127	The Trouble Ticketing Service shall provide the ability to search historical and current trouble tickets by various criteria including keyword, user id, and trouble ticket ID.
Remedy ARS	C-MSS-57540	A	5128	The Trouble Ticketing Service shall provide the ability to forward trouble tickets from one organization to another to facilitate the escalation of trouble tickets (e.g. from DAAC to SMC).
Remedy ARS	C-MSS-57550	A	5129	The Trouble Ticketing Service shall provide the ability to maintain different trouble ticket statuses including: Open, Work-In-Progress, Closed, Archived.
Remedy ARS	C-MSS-57560	A	5130	The Trouble Ticketing Service shall provide the ability to search for trouble tickets relating to the same resource (equipment).
Remedy ARS	C-MSS-57580	A	5131	The Trouble Ticketing Service shall provide the ability to store the following minimum set of information : unique trouble ticket ID, status, description, associated resources, problem solution, originator, keywords.
Remedy ARS	C-MSS-57590	A	5132	The Trouble Ticketing Service shall integrate with the MSS framework to allow management and monitoring of its services.
Remedy ARS	C-MSS-57600	A	5133	The Trouble Ticketing Service shall allow entry of a trouble ticket by any registered user of the system.
Remedy ARS	C-MSS-57610	A	5134	The Trouble Ticketing Service shall provide the capability to generate reports from the its data.
Remedy ARS	C-MSS-57620	A	5135	The Trouble Ticketing Service shall allow output of reports to either the screen or printer.
Remedy ARS	C-MSS-57630	A	5136	The Trouble Ticketing Service shall provide customization features to allow sites to specify notification and escalation rules.
Remedy ARS	C-MSS-92320	B	8023	The MSS Report Generation Service shall be capable of generating a Trouble Status Report containing statistics on the number of trouble tickets opened, closed, and in work at a site and the average time to close a trouble ticket over the reporting period.

RTworks	F-ANA-09010	B	5339	The EOC shall define an EASE to contain up to 15 comparisons of the following type, all resulting in a value of TRUE or FALSE: a. Spacecraft or ground telemetry value (Greater Than, Less Than, Greater Than or Equal To, Less Than or Equal To, Equal To, Not Equal To) Constant. Example. BattVolt1 > 20.0 b. Spacecraft or ground telemetry value (Greater Than, Less Than, Greater Than or Equal To, Less Than or Equal To, Equal To, Not Equal To) spacecraft or ground telemetry value. Example. BattVolt1 > BattVolt2 c. The return value of a function taking a ground or spacecraft telemetry value as an argument (Greater Than, Less Than, Equal Greater Than or Equal To, Less Than or Equal To, To, Not Equal To) Constant. Example. AverageDelta Value (BattVolt1) == 0.0 d. The value of another EASE (Equal To) TRUE/FALSE. Example. BatteryEASE == TRUE
RTworks	F-ANA-09020	B	5352	The EOC shall compute the value of the EASE by operating on the TRUE/FALSE results of each comparison contained within the EASE, using AND or OR boolean operators. Examples: (Batt1Volts > 20.0) AND (Battery1EASE == FALSE) (Batt1Volts > Batt2Volts) OR (Batt2Volts > Batt3Volts)
RTworks	F-ANA-09030	B	5108	The EOC shall evaluate the boolean AND/OR operators in order, unless parentheses are included to indicate order of operation.
RTworks	F-ANA-09040	B	5109	The EOC shall provide the capability to define an EASE.
RTworks	F-ANA-09050	B	5110	The EOC shall provide the capability to delete an EASE.
RTworks	F-ANA-09060	B	5340	The EOC shall provide the capability to edit an EASE.
RTworks	F-ANA-09070	B	5112	The EOC shall provide the capability to define, for each EASE, a text description of the EASE.
RTworks	F-ANA-09080	B	5113	The FOS shall, when an EASE evaluation result is TRUE, display the text description (if defined) of the EASE.
RTworks	F-ANA-09090	B	5114	The EOC shall provide the capability to define, for each EASE, a text description of recommended procedures to follow when the EASE evaluation result is TRUE.
RTworks	F-ANA-09100	B	5115	The EOC shall when an EASE evaluation result is TRUE, display the text description of the recommended procedures (if defined) associated with the EASE.
RTworks	F-ANA-09110	B	5116	The EOC shall provide the capability to associate a command request with an EASE.

RTworks	F-ANA-09120	B	5117	The EOC shall generate the associated command request (if defined) when an EASE evaluation result is TRUE.
RTworks	F-ANA-09130	B	5118	The EOC shall provide the capability to associate a real time procedure with an EASE.
RTworks	F-ANA-09140	B	5119	The EOC shall initiate the associated real time procedure (if defined) when an EASE evaluation result is TRUE.
RTworks	F-ANA-09150	B	5120	The EOC shall provide the capability to evaluate up to 50 EASEs during real time.
RTworks	F-ANA-09160	B	5121	The EOC shall provide the capability to evaluate up to 50 EASEs during a replay.
RTworks	F-ANA-07400	B	5103	The EOC shall monitor housekeeping telemetry and provide notification if parts of the spacecraft activity log are not visible to the FOT via the housekeeping telemetry stream.
RTworks	F-ANA-07410	B	5104	The EOC shall, in the event parts of the spacecraft activity log are not visible in telemetry, generate a command request for downlink of the spacecraft activity log.
RTworks	F-ANA-17010	B	2266	The FOS shall provide the capability to monitor the AM-1 Solid State Recorder buffers in real-time.
RTworks	F-ANA-17020	B	2267	The FOS shall provide the capability to detect RF failures which impact SSR playbacks.
RTworks	F-ANA-17030	B	2268	The FOS shall provide the capability to report the state of the SSR playback at the time of an RF failure.
RTworks	F-ANA-17040	B	2269	The FOS shall provide the capability to report the status of the SSR buffers at the end of a contact.
RTworks	F-ANA-17050	B	2270	The FOS shall provide the capability to recommend recovery procedures to correct for playback data loss.
RTworks	F-ANA-17060	B	2271	The FOS shall provide the capability to recommend recovery procedures to correct RF link faults.
SPARCWorks	S-DPS-40400	IR1	4561	The AITTL CI shall have the capability to determine if the Science Software contains memory leaks.
SPARCWorks	S-DPS-40430	IR1	4563	The AITTL CI shall have the capability to generate report files describing the results of code analysis.
SQS	S-DSS-00150	A	3235	The SDSRV CI shall accept and process Insert Metadata Requests to insert Metadata into the Inventory.
SQS	S-DSS-00160	A	3236	The SDSRV CI shall accept and process Update Metadata Requests to update Metadata that has been previously stored in the Inventory.
SQS	S-DSS-00165	A	3237	The SDSRV CI shall update the Inventory with the updated Metadata that was received.
SQS	S-DSS-00170	A	3238	The SDSRV CI shall accept and process Search Requests to search the Inventory.

SQS	S-DSS-00520	A	3284	The SDSRV CI shall return a successful completion status to the provider of data only after all data and associated Metadata has been successfully stored.
SQS	S-DSS-00550	A	3287	The SDSRV CI shall provide the capability for operations staff to view Schema Information.
SQS	S-DSS-00560	A	3288	The SDSRV CI shall provide the capability for operations staff to create Schema Information.
SQS	S-DSS-00570	A	3289	The SDSRV CI shall provide the capability for operations staff to update Schema Information.
SQS	S-DSS-00610	A	3290	The SDSRV CI shall provide the capability for operations staff to delete Schema Information.
SQS	S-DSS-00900	A	3332	The SDSRV CI shall support the interruption of a data base administrative or maintenance activity and its restart without loss of information.
SQS	S-DSS-00901	A	3333	The SDSRV CI shall provide tools for database backup and restore.
SQS	S-DSS-00902	A	3334	The SDSRV CI shall provide a database management capability that maintains database integrity during concurrent user interactions.
SQS	S-DSS-00970	A	3341	The SDSRV CI shall provide the capabilities to add, delete, or modify ECS Metadata to authorized users only.
SQS	S-DSS-01472	A	3388	The SDSRV CI shall validate Subscription Requests for change in core metadata events.
SQS	S-DSS-02900	A	9727	The SDSRV CI shall provide Data Type services on ECS Data as listed in Appendix F of the current version of 304-CD-005.
SQS	S-DSS-03170	A	9728	The SDSRV CI shall be capable of receiving validated Inventory Data.
SQS	S-DSS-03360	A	3459	The SDSRV CI shall be capable of receiving Metadata associated with V0 Migration Data in native format
SQS	S-DSS-03365	A	4947	The SDSRV CI shall supply metadata on collections to the global master change directory in directory interchange format.
SQS	S-DSS-03370	A	3460	Upon receipt of data types the SDSRV CI shall perform data type specific checking.
SQS	S-DSS-03390	A	3462	The SDSRV CI shall update the Inventory after the Data it received for insertion into its data holdings have passed the validity checks applicable to the respective data types.
SQS	S-DSS-03730	A	9749	The SDSRV CI shall provide storage for Metadata associated with V0 migration data.
SQS	S-DSS-03740	A	9750	The SDSRV CI shall provide storage for validated Inventory data.
SQS	S-DSS-03750	A	3291	The SDSRV CI shall support Schema Information for each Data Type.

SQS	S-DSS-03770	A	3293	The SDSRV CI Schema Information shall include for each Data Type the services available for that Data Type.
SQS	S-DSS-03780	A	3294	The SDSRV CI Schema Information shall include for each Data Type the Data Type Attributes for that Data Type and the Valid Values associated with each Data Type Attribute.
SQS	S-DSS-04360	A	3537	The SDSRV CI shall include granule-specific information as defined in the SDPS Core Metadata Baseline (194-00269TPW).
SQS	S-DSS-04370	A	9755	The SDSRV CI shall have the ability to store product specific Metadata.
SQS	S-DSS-04530	A	9156	The SDSRV CI shall provide the capability to validate updated metadata before insertion into the Inventory.
SQS	S-DSS-04540	A	9158	The SDSRV CI shall reject metadata which fails one or more validations constraints.
SQS	S-DSS-04570	A	3539	The SDSRV CI shall provide services to add to the existing Inventory
SQS	S-DSS-04580	A	3540	The SDSRV CI shall provide services to delete from the existing Inventory
SQS	S-DSS-04590	A	3541	The SDSRV CI shall provide services to modify the existing Inventory
SQS	S-DSS-04640	A	3546	The SDSRV CI shall provide services to retrieve Metadata from the Inventory.
SQS	S-DSS-04650	A	3547	The SDSRV CI shall accept Search Requests
SQS	S-DSS-04660	A	3548	The SDSRV CI shall provide Result Sets to the client, in response to Search Requests
SQS	S-DSS-04670	A	3549	The SDSRV CI shall support Inventory searches based on the Core Inventory Metadata.
SQS	S-DSS-04680	A	3550	The SDSRV CI shall support Inventory searches based on the Product Specific Metadata.
SQS	S-DSS-04690	A	3551	The SDSRV CI shall support Inventory searches based on a combination of the Core Inventory Metadata and Product Specific Metadata.
SQS	S-DSS-04700	A	3552	The SDSRV CI shall provide Search Results to requesting agencies.
SQS	S-DSS-04710	A	3553	The SDSRV CI shall respond to a query with a null Result Set, if no products in the Inventory meet the specified criteria.
Sybase	S-DSS-00150	A	3235	The SDSRV CI shall accept and process Insert Metadata Requests to insert Metadata into the Inventory.
Sybase	S-DSS-00160	A	3236	The SDSRV CI shall accept and process Update Metadata Requests to update Metadata that has been previously stored in the Inventory.
Sybase	S-DSS-00165	A	3237	The SDSRV CI shall update the Inventory with the updated Metadata that was received.

Sybase	S-DSS-00170	A	3238	The SDSRV CI shall accept and process Search Requests to search the Inventory.
Sybase	S-DSS-00520	A	3284	The SDSRV CI shall return a successful completion status to the provider of data only after all data and associated Metadata has been successfully stored.
Sybase	S-DSS-00550	A	3287	The SDSRV CI shall provide the capability for operations staff to view Schema Information.
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Sybase	S-DSS-03370	A	3460	Upon receipt of data types the SDSRV CI shall perform data type specific checking.
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Sybase	S-DSS-03730	A	9749	The SDSRV CI shall provide storage for Metadata associated with V0 migration data.
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Sybase	S-DSS-03750	A	3291	The SDSRV CI shall support Schema Information for each Data Type.
Sybase	S-DSS-03770	A	3293	The SDSRV CI Schema Information shall include for each Data Type the services available for that Data Type.
Sybase	S-DSS-03780	A	3294	The SDSRV CI Schema Information shall include for each Data Type the Data Type Attributes for that Data Type and the Valid Values associated with each Data Type Attribute.
Sybase	S-DSS-04360	A	3537	The SDSRV CI shall include granule-specific information as defined in the SDPS Core Metadata Baseline (194-00269TPW).
Sybase	S-DSS-04370	A	9755	The SDSRV CI shall have the ability to store product specific Metadata.
Sybase	S-DSS-04530	A	9156	The SDSRV CI shall provide the capability to validate updated metadata before insertion into the Inventory.
Sybase	S-DSS-04540	A	9158	The SDSRV CI shall reject metadata which fails one or more validations constraints.
Sybase	S-DSS-04570	A	3539	The SDSRV CI shall provide services to add to the existing Inventory
Sybase	S-DSS-04580	A	3540	The SDSRV CI shall provide services to delete from the existing Inventory
Sybase	S-DSS-04590	A	3541	The SDSRV CI shall provide services to modify the existing Inventory
Sybase	S-DSS-04640	A	3546	The SDSRV CI shall provide services to retrieve Metadata from the Inventory.
Sybase	S-DSS-04650	A	3547	The SDSRV CI shall accept Search Requests
Sybase	S-DSS-04660	A	3548	The SDSRV CI shall provide Result Sets to the client, in response to Search Requests
Sybase	S-DSS-04670	A	3549	The SDSRV CI shall support Inventory searches based on the Core Inventory Metadata.
Sybase	S-DSS-04680	A	3550	The SDSRV CI shall support Inventory searches based on the Product Specific Metadata.
Sybase	S-DSS-04690	A	3551	The SDSRV CI shall support Inventory searches based on a combination of the Core Inventory Metadata and Product Specific Metadata.
Sybase	S-DSS-04700	A	3552	The SDSRV CI shall provide Search Results to requesting agencies.
Sybase	S-DSS-04710	A	3553	The SDSRV CI shall respond to a query with a null Result Set, if no products in the Inventory meet the specified criteria.
Sybase	S-DMS-00180	B	8350	The LIMGR CI shall support interactive information management capabilities for administrators to retrieve information.
Sybase	S-DMS-00250	B	8357	The LIMGR CI shall maintain query log files.

Sybase	S-DMS-00470	B	8363	The LIMGR CI shall support the interruption of any database administrative or maintenance activity and its restart without loss of information.
Sybase	S-DMS-01050	B	8410	The LIMGR CI shall ensure that databases which are distributed and replicated provide synchronized data.
Sybase	S-DMS-10130	B	8426	The DIMGR CI shall maintain query log files.
Sybase	S-DMS-10460	B	8458	The DIMGR CI shall support the interruption of a database administrative or maintenance activity and its restart without loss of information.
Sybase	S-DMS-11050	B	8504	The DIMGR CI shall ensure that databases which are distributed and replicated provide synchronized data.
Sybase	S-DMS-20230	B	8526	The DDICT CI shall ensure that databases which are distributed and replicated provide synchronized data.
Sybase	S-DMS-20300	B	8533	The DDICT CI shall support an administration utility for on-line full backup of Data Dictionary service data.
Sybase	S-DMS-20310	B	8534	The DDICT CI shall support an administration utility for on-line incremental backup of Data Dictionary service data.
Sybase	S-DMS-20320	B	8535	The DDICT CI shall support an administration utility for manual recovery of Data Dictionary data from system and media failures.
Sybase	S-DMS-20330	B	8536	The DDICT CI shall support an administration utility for automatic recovery of DDICT CI data from system failures.
Sybase	S-DMS-20340	B	8537	The DDICT CI shall support a data administration utility for data import.
Sybase	S-DMS-20640	B	8551	The DDICT CI shall support the restart of database administration and maintenance activities which are unintentionally interrupted through system software or hardware failure, without loss of information.
Sybase	S-DMS-31050	B	8642	The GTWAY CI shall ensure that databases which are distributed and replicated provide synchronized data.
Sybase	S-IOS-00020	A	2796	The ADSRV CI shall support interactive information management capabilities for authorized personnel to administer advertising data.
Sybase	S-IOS-00100	A	2822	The ADSRV CI shall support an administration utility for performance monitoring of database query processing.
Sybase	S-IOS-00130	A	2825	The ADSRV CI shall support an administration utility for on-line full backup and restoration of advertising service data.
Sybase	S-IOS-00140	A	2826	The ADSRV CI shall support an administration utility for on-line incremental backup and restoration of advertising service data.
Sybase	S-IOS-00150	A	2827	Advertising shall support an administration utility for manual recovery of advertising service data from media and system failures.

Sybase	S-IOS-00160	A	2828	The ADSRV CI shall support an administration utility for automatic recovery of advertising service data from system failures.
Sybase	S-IOS-00170	A	2829	The ADSRV CI shall support a data administration utility for data import.
Sybase	S-IOS-00180	A	2830	The ADSRV CI shall support a data administration utility for data export.
Sybase	S-IOS-00330	A	2802	The ADSRV CI shall support the interruption of any administrative or maintenance activity and its restart without loss of information.
Sybase	F-DMS-00110	A	2069	The EOC shall accept housekeeping and engineering telemetry definitions.
Sybase	F-DMS-00120	A	2070	The telemetry definitions shall contain the following information: a. telemetry packet processing definitions b. discrete telemetry definitions c. discrete state definitions - up to 16 ranges for each discrete parameter d. analog telemetry definitions e. red/yellow, delta limit definitions - up to four limit sets for each parameter may be defined f. linear engineering unit conversion definitions - up to four linear sets specified with up to 15 point pairs for each analog parameter g. polynomial engineering unit conversion definitions - up to four polynomial sets with up to the 7th order equations for each analog parameter h. derived parameter definitions - up to five input parameters in an equation i. context dependent definitions - up to 16 ranges may be specified for each parameter j. subsystem/instrument definitions
Sybase	F-DMS-00130	A	2071	The EOC shall accept spacecraft and instrument command definitions.
Sybase	F-DMS-00140	A	4961	The command definitions shall contain the following information: a. spacecraft command definitions b. instrument command definitions c. command criticality d. telemetry verification e. prerequisite state checking f. command conversion instructions g. memory mapping definitions h. table definitions i. stored command indicator.
Sybase	F-DMS-00150	A	2073	The EOC shall accept spacecraft and instrument activity definitions.

Sybase	F-DMS-00160	A	4962	The activity definitions shall contain the following information: a. command listing b. parameter mapping definition c. parameter limit definitions
Sybase	F-DMS-00170	A	2075	The EOC shall accept spacecraft and instrument constraint definitions.
Sybase	F-DMS-00180	A	4963	The constraint definitions shall contain the following information: a. spacecraft constraint definitions b. instrument constraint definitions c. operational mode transition definitions d. command timing and sequencing constraints
Sybase	F-DMS-00265	A	2089	The EOC shall provide a PDB edit log presenting edits made to the PDB.
Sybase	F-DMS-00270	A	2090	The EOC PDB log shall include the following information: a. Time stamp b. PDB version number c. File name d. User ID e. Changes made to the PDB since the last update
Sybase	F-DMS-00310	A	2092	The EOC shall provide the capability to perform validation on the telemetry definitions maintained in the PDB.
Sybase	F-DMS-00320	A	2093	The EOC shall provide the capability to perform validation on the command definitions maintained in the PDB.
Sybase	F-DMS-00330	A	2094	The EOC shall provide the capability to perform validation on the activity definitions maintained in the PDB.
Sybase	F-DMS-00340	A	2095	The EOC shall provide the capability to perform validation on the constraint definitions maintained in the PDB.
Sybase	F-DMS-00350	A	4964	The EOC shall provide the capability to generate a validation report which contains summary and error information.
Sybase	F-DMS-00360	A	4974	The EOC shall provide the capability to perform validation on modifications to the PDB definitions.
Sybase	F-DMS-00410	A	2097	The FOS shall provide for authorized users the capability to report information maintained in the PDB.
Sybase	F-DMS-00420	A	2098	The FOS shall provide the capability to access PDB information for reporting purposes by the following: a. PDB type (telemetry, command, activity, constraint) b. mnemonic
Sybase	F-DMS-00510	A	2099	The EOC shall maintain all versions of the operational PDB.

Sybase	F-DMS-00520	A	2100	The EOC shall maintain the following information for each version of the PDB: a. PDB version number b. effective date
Sybase	F-DMS-00530	A	2101	The EOC shall provide the capability to backup the operational PDB.
Sybase	F-DMS-00540	A	2102	The EOC shall provide the capability to restore the operational PDB.
Sybase	F-DMS-00550	A	2103	The EOC shall provide the capability to compare two versions of the validated PDB.
Sybase	F-DMS-01310	A	4976	The EOC shall provide the capability to input ground telemetry definitions.
Sybase	F-DMS-01320	A	4977	The EOC shall provide the capability to validate ground telemetry definitions.
Sybase	S-PLS-00005	A	4220	The PLANG CI shall accept priority Production Requests for the generation of specific Data Products.
Sybase	S-PLS-00020	A	4222	The PLANG CI shall generate Data Processing Requests from Production Requests.
Sybase	S-PLS-00400	A	4240	The PLANG CI shall maintain Product Generation Executives (PGEs) information that identifies the Science Software, the order of execution, the conditions for execution, the processing environment, and the input / output data types and locations.
Sybase	S-PLS-00430	A	4243	The PLANG CI shall support the capability to (a) allow (authorized) operations staff updates (enter / modify / delete) of PGE information in the Planning PGE information database, (b) maintain a record of updates made.
Sybase	S-PLS-00470	A	4247	The PLANG CI shall maintain information on the following: a. current processing status of all Production Requests received, b. current processing status of all Data Processing Requests generated, c. detected processing fault data.
Sybase	S-PLS-00475	A	4248	The PLANG CI shall maintain information on all Candidate and Active Plans generated.

Sybase	S-PLS-01200	A	4288	The PLANG CI shall provide the operations staff with the capability to perform the following on-line functions, via GUI: a. Entry of product requests for standard products, b. Query / update / cancellation of production requests for standard products, c. Query status of production requests, d. Query / update of production rules and PGE information, e. Entry of plan creation requests, f. Entry of plan activation requests, g. Entry of plan cancellation requests, h. Query candidate / active plans and corresponding status, i. Entry of requests for processing log reports / production and data processing request status reports / resource utilization reports / planning workload status reports / management reports, j. Entry of ground events, k. Query / update of ground events.
Sybase	S-PLS-01245	A	4293	The PLANG CI shall provide capability to make available (for review by all affected instrument teams) information related to product generation delays and production faults.
Sybase	S-PLS-01260	A	4295	The PLANG CI shall support the capability to generate Planning processing log reports (periodically and on request) for a specified time period.
Sybase	S-PLS-01270	A	4296	The PLANG CI shall support the generation of Data Processing Request Status reports (upon request) that will provide Data Processing Request information based on the report generation parameters and the time period specified.
Sybase	S-PLS-01280	A	4297	The PLANG CI shall support the generation of Production Request Status reports (upon request) that will provide Production Request information based on the report generation parameters and the time period specified.
Sybase	S-PLS-01290	A	4298	The PLANG CI shall support the generation of resource utilization reports (periodically and on request).
Sybase	S-PLS-01300	A	4299	The PLANG CI shall support the capability to generate PLANG CI processing workload and processing turnaround time reports (periodically and on request).
Sybase	S-DSS-04380	A	9150	The STMGT CI shall store the following Metadata: the granule id, date and time of storage, data check status and data format type.
Sybase	S-DSS-20080	A	3624	The STMGT CI shall maintain an Archive Activity Log of all Service Requests received. The log of Service Requests shall be in chronological order and shall include a Request Identifier, the operation requested, completion status of request and a date/time stamp.

Sybase	S-DSS-20090	A	3643	The STMGT CI shall maintain an Inventory Update Log. The following information shall be recorded: time and date of update, unique data identifier, archive media name, source of data, storage device name and requester.
Sybase	S-DSS-20480	A	3691	The STMGT CI shall provide operations staff the capability to perform physical inventories of archive media resident in archive storage devices.
Sybase	S-DSS-20600	A	3703	The STMGT CI shall provide the capability to uniquely identify each data granule that is archived.
Sybase	S-DSS-20690	A	3712	The STMGT CI shall provide the capability to display/view/print the Inventory Update Log.
Sybase	S-DSS-20700	A	3713	The STMGT CI shall provide the capability to select/extract Inventory Update Log records for time periods selected by operations staff.
Sybase	S-DSS-20710	A	3714	The STMGT CI shall assign a unique identifier to new archive media.
Sybase	S-DSS-20720	B	8893	The STMGT CI shall provide a mechanism to mark data for deletion. The mechanism shall be based on selection of max time to store data before it's deleted from storage. ~~It shall also mark earlier versions when multiple versions have been archived.~~
Sybase	S-DSS-20800	B	8896	The STMGT CI shall use operator selectable criteria to determine the physical storage device that data types will be stored in. This criteria shall consider: current store and retrieval activity, number of storage devices, type of data to be stored.
Sybase	S-DSS-20810	B	8897	The STMGT CI shall provide operations staff the capability to manually alter the criteria that determines the physical storage device that data sets will be stored in.
Sybase	S-DSS-20840	B	8900	The STMGT CI shall report information on the storage system. Information reported shall include file access time, file accesses per hour, size of files stored onto archive media, size of files retrieved from archive media, amount of storage allocated.
Sybase	S-DSS-21100	A	3760	The STMGT CI shall provide the SDSRV CI the capability to obtain information concerning files on staging devices in the WKSHW CI. Note: File info. includes file name, size, type, organization, creation date, protections, owner, last access time and id of last entity to access file.
Sybase	S-DSS-21180	A	3768	The STMGT CI shall provide operations staff the capability to backup storage system unique files, which shall include all logs, files used by the storage system and files indicating the allocation of storage devices to Data Servers.
Sybase	S-DSS-21190	A	3769	The STMGT CI shall provide operations staff the capability to restore storage system unique files.
Sybase	S-DSS-21390	A	9159	The STMGT CI shall maintain a File Directory of all data files which have been archived.

Sybase	S-DSS-21400	A	3793	The STMGT CI shall provide operations staff a mechanism to create the File Directory.
Sybase	S-DSS-21410	A	3794	The STMGT CI shall provide operations staff a mechanism to append records to the File Directory.
Sybase	S-DSS-21420	A	3795	The STMGT CI shall provide operations staff a mechanism to display selected records in the File Directory.
Sybase	S-DSS-21430	B	8917	The STMGT CI shall provide operations staff a mechanism to delete records from the File Directory.
Sybase	S-DSS-21440	A	3797	The STMGT CI shall provide operations staff a mechanism to update records in the File Directory.
Sybase	S-DSS-21450	A	3798	The STMGT CI shall provide operations staff the capability to backup the contents of the File Directory.
Sybase	S-DSS-21460	A	3799	The STMGT CI shall provide operations staff the capability to recover the contents of the File Directory in the case of file corruption.
Sybase	S-DSS-21470	A	3800	The STMGT CI shall provide operations staff the capability to view/display/print contents of the File Directory.
Sybase	S-DSS-21480	A	3801	The STMGT CI shall maintain a unique data set id for each data item in its File Directory.
Sybase	S-DSS-21490	A	3802	The STMGT CI shall be capable of tracking the physical location of each data granule via use of the File Directory.
Sybase	S-DSS-30290	A	3840	The DDIST CI shall provide operations staff with the capability to display the Distribution Activity Log.
Sybase	S-DSS-30300	A	3843	The DDIST CI shall provide the capability to view entries according to type of distribution, by time period or by Request Identifier (i.e., source of request).
Sybase	S-DSS-30305	A	3844	The DDIST CI shall provide the capability to view entries according to type of distribution, by time period or by data type (i.e., source of request).
Sybase	S-DSS-30310	A	3845	The DDIST CI shall provide the capability to sort the Distribution Activity Log by distribution type (i.e., electronic (push/pull) and physical media type (tape, CD-ROM, etc.)).
Sybase	S-DSS-00080	A	3225	The SDSRV CI shall process Data Insert Requests that request the storage of Data Products and associated Metadata.
Sybase	S-DSS-00100	A	3228	The SDSRV CI shall allow operations staff to set a threshold for the number of Service Requests to be queued for processing.
Sybase	S-DSS-00720	A	3310	The SDSRV CI shall accept Metadata Problem Reports.
Sybase	S-DSS-01550	A	3402	The SDSRV CI shall provide the capability for a user to request notification of data arrival.

Sybase	S-DSS-01630	A	3410	The SDSRV CI shall provide the capability to notify a subscriber of QA changes.
Sybase	S-DSS-01640	A	3411	The SDSRV CI shall provide the capability to notify a subscriber on individual data granule basis.
Sybase	S-DSS-03020	A	3431	The SDSRV CI shall be capable of receiving Metadata associated with Calibration Data.
Sybase	S-DSS-03040	A	3433	The SDSRV CI shall be capable of receiving Metadata associated with Science Software Archive Packages.
Sybase	S-DSS-03120	A	3438	The SDSRV CI shall be capable of receiving Metadata associated with Instrument Calibration Data.
Sybase	S-DSS-03160	A	3443	The SDSRV CI shall be capable of receiving Metadata associated with Instrument Historical Data.
Sybase	S-DSS-03260	A	3450	The SDSRV CI shall be capable of receiving Metadata associated with QA Statistics.
Sybase	S-DSS-03280	A	3452	The SDSRV CI shall be capable of receiving Metadata associated with scientific calibration data.
Sybase	S-DSS-03320	A	9730	The SDSRV CI shall be capable of receiving Metadata associated with correlative data.
Sybase	S-DSS-03416	A	9735	The SDSRV CI shall provide storage for Metadata associated with Ancillary Data.
Sybase	S-DSS-03430	A	9736	The SDSRV CI shall provide storage for Metadata associated with calibration data.
Sybase	S-DSS-03450	A	9737	The SDSRV CI shall provide storage for Metadata associated with Science Software Archive Packages.
Sybase	S-DSS-03490	A	9738	The SDSRV CI shall provide storage for Metadata associated with instrument calibration data.
Sybase	S-DSS-03522	A	9740	The SDSRV CI shall provide storage for Metadata associated with Instrument Historical Data.
Sybase	S-DSS-03540	A	9741	The SDSRV CI shall provide storage for inventory characteristic data.
Sybase	S-DSS-03570	A	9742	The SDSRV CI shall provide storage for Metadata associated with Orbit/Attitude data.
Sybase	S-DSS-03630	A	9744	The SDSRV CI shall provide storage for Metadata associated with QA Statistics.
Sybase	S-DSS-03650	A	9745	The SDSRV CI shall provide storage for Metadata associated with scientific calibration data.
Sybase	S-DSS-03690	A	9746	The SDSRV CI shall provide storage for Metadata associated with correlative data.
Sybase	S-DSS-03760	A	3292	The SDSRV CI Schema Information shall include for each Data Type the structure of that Data Type.
Sybase	S-DSS-04390	A	3538	Standard Product related Metadata at the Data Server shall include Metadata associated with static subsetted, subsampled, and summary products.

Sybase	S-DSS-04400	A	9756	The SDSRV CI shall have the ability to store references to calibration data as Metadata for science data.
Sybase	S-DSS-04420	A	9757	The SDSRV CI shall have the ability to store references to instrument engineering data as Metadata for science data.
Sybase	S-DSS-04430	A	9758	The SDSRV CI shall have the ability to store references to Science Software Archive Packages as Metadata for science data.
Sybase	S-DSS-04440	A	9761	The SDSRV CI shall have the ability to store references to data generation software as Metadata for science data.
Sybase	S-DSS-04450	A	9760	The SDSRV CI shall have the ability to store references to Production History data as Metadata for science data.
Sybase	S-DSS-04460	A	9762	The SDSRV CI shall have the ability to store references to data recipients as Metadata for science data.
Sybase	S-DSS-04470	A	9763	The SDSRV CI shall have the ability to store references to the data production facility as Metadata for science data.
Sybase	S-DSS-04480	A	9764	The SDSRV CI shall have the ability to store references to QA Statistics as Metadata for science data.
Sybase	S-DSS-04490	A	9765	The SDSRV CI shall have the ability to store references to reference documentation as Metadata for science data.
Sybase	S-DSS-04520	A	9154	The SDSRV CI shall provide the capability to validate metadata before insertion into the Inventory.
Sybase	S-DSS-04596	A	9835	The SDSRV shall provide the capability to allow DAAC operations personnel to approve the QA metadata update.
Sybase	S-DSS-04600	A	3542	The SDSRV CI shall update the Metadata for a data item whenever an unexpected loss occurs.
Sybase	S-DSS-04610	A	3543	The SDSRV CI shall update the Metadata whenever a data item is updated.
Sybase	S-DSS-10051	A	3580	The DDSRV CI shall provide the capability to add, delete, or modify individual ECS Metadata entries.
Sybase	S-DSS-10052	A	4905	The DDSRV CI shall generate an update to metadata reflecting changes in data holdings resulting from a purge operation.
Sybase	S-DSS-10053	A	4906	The DDSRV CI shall generate an update to metadata reflecting changes in data holdings resulting from an unexpected loss.
Sybase	S-DSS-10054	A	4907	The DDSRV CI shall generate an update to metadata reflecting changes in data holdings resulting from an intra-site data transfer or some other update.
Sybase	S-DSS-10080	A	3584	The DDSRV CI shall provide the capability to add, delete, or modify groups of ECS Metadata entries.
Tivoli	C-MSS-60020	A	3322	The MSS Fault Management Application Service shall provide the capability to define categories of faults.
Tivoli	C-MSS-60030	A	237	The MSS Fault Management Application Service shall provide the capability to assign faults to categories._

Tivoli	C-MSS-60040	A	238	The MSS Fault Management Application Service shall provide the capability to assign severity levels to faults._
Tivoli	C-MSS-60050	A	239	The MSS Fault Management Application Service shall be capable of providing the Management Data Access Service with a configurable list of fault categories that specify whether to enable or disable the logging of fault notifications for that fault category._
Tivoli	C-MSS-60060	A	240	The MSS Fault Management Application Service shall provide the capability to enable or disable the display of fault notifications received from a specific managed object based on fault category assigned to that fault._
Tivoli	C-MSS-60070	A	241	The MSS Fault Management Application Service shall provide the capability to specify additional information to be added to a disk log file, based on the fault category, when the notification of a fault is received._
Tivoli	C-MSS-60080	A	2381	The MSS Fault Management Application Service shall have the capability to establish, view, modify and delete thresholds on performance metrics it measures._
Tivoli	C-MSS-60100	A	2382	The MSS Fault Management Application Service shall have the capability to poll for the detection of fault/performance information._
Tivoli	C-MSS-60110	A	2383	The MSS Fault Management Application Service shall be capable of receiving fault notifications.
Tivoli	C-MSS-60120	A	2384	The MSS Fault Management Application Service shall have the capability to define the frequency with which polling is done for the detection of fault/performance information._
Tivoli	C-MSS-60140	A	4786	The MSS Site Fault Management Application Service shall have the capability to generate a fault notification when a predefined threshold on a performance metric is exceeded.
Tivoli	C-MSS-60150	A	2388	The MSS Fault Management Application Service shall have the capability to receive fault notifications from the Management Agent Service.
Tivoli	C-MSS-60160	A	215	The MSS EMC Fault Management Application Service shall have the capability to receive notifications of detected faults and degradation of performance from: a._Site fault management applications b._Other external systems as defined in Section 5.1.
Tivoli	C-MSS-60170	A	2385	The MSS EMC Fault Management Application Service shall be capable of requesting fault notification and performance degradation data from : _a._Site Fault Management Applications _b._Other external systems as defined in Section 5.1.

Tivoli	C-MSS-60200	A	2325	The MSS Fault Management Application Service shall have the capability to generate the following types of notifications for detected faults : _a._a change in the color of an icon on a display _b._a message in a pop-up notification window _c._logging the following fault information to a disk log file: __1. fault type __2. date and time of occurrence of the fault __3. identification of the source of the notification (e.g. IP address, process name, etc.) __4. fault data received with the notification __5. operator-defined descriptive text _d._audible alert
Tivoli	C-MSS-60210	A	226	The MSS Fault Management Application Service shall maintain a list of external service providers, M&O operators, and applications to be notified in the event that a specified fault is detected.
Tivoli	C-MSS-60220	A	253	The MSS Fault Management Application Service shall have the capability to send the notification of a fault to registered recipients._
Tivoli	C-MSS-60230	A	267	The MSS Fault Management Application Service shall have the capability of generating a notification within a maximum of five minutes of fault detection.
Tivoli	C-MSS-60340	A	2390	The MSS Fault Management Application Service shall be capable of verifying the operational status of a host.
Tivoli	C-MSS-60390	A	262	The MSS Fault Management Application Service at the sites shall, for faults detected within its site, isolate, locate, and identify faults to the level of: _a._subsystem _b._equipment _c._software
Tivoli	C-MSS-60395	A	263	The MSS Fault Management Application Service shall be capable of retrieving records of detected fault.
Tivoli	C-MSS-60400	A	264	The MSS EMC Fault Management Application Service shall support, maintain, and update system fault management policies and procedures, to include: _a._Fault Identification _b._Fault priorities _c._Recovery or corrective actions
Tivoli	C-MSS-60410	A	265	The MSS Site Fault Management Application Service shall have the capability to receive Fault Management Policies and Procedures from the EMC._
Tivoli	C-MSS-60520	A	270	The MSS Fault Management Application Service shall provide the capability to allow the specification and execution of action routines in response to the notification of a fault.

Tivoli	C-MSS-60530	A	271	The MSS Fault Management Application Service shall provide the capability to pass parameters to action routines.
Tivoli	C-MSS-66000	A	4789 4869	The MSS performance management application service shall be capable of monitoring the performance of the following ECS components a._network components _1. routers _2. links _3. bridges _4. gateways b._hosts c._operating systems d._peripherals e._databases f._applications
Tivoli	C-MSS-66040	A	281 4876	The MSS performance management application service shall be capable of specifying which available performance metrics are to be gathered from each individual managed object.
Tivoli	C-MSS-66050	A	4833	The MSS performance management application service shall be capable of requesting performance data from each individual managed object: a._at configurable intervals b._on demand.
Tivoli	C-MSS-66060	A	4877	The MSS performance management application service shall be capable of receiving requested performance data from ECS components.
Tivoli	C-MSS-66070	A	231	The MSS Performance Management Application Service shall be capable of receiving unrequested performance data from ECS managed objects.
Tivoli	C-MSS-66080	A	284	The MSS performance management application service shall be capable of retrieving the following data for all network component interfaces: a._operational status b._type c._speed d._octets in/out e._packets in/out f._discards in/out g._errors in/out

Tivoli	C-MSS-66100	A	4883	The MSS performance management application service shall be capable of retrieving the following data for all hosts: a._total CPU utilization b._memory utilization c._physical disk i/o's d._disk storage size e._disk storage used f._number of active processes g._length of run queue h._network i/o's (packets) i._network errors
Tivoli	C-MSS-66120	A	4884	The MSS performance management application service shall be capable of determining the operational state of all network components, hosts, and peripherals to be: a._on-line b._off-line c._in test mode
Tivoli	C-MSS-66130	A	4885	The MSS performance management application service shall be capable of receiving operational state change notifications from network components, hosts, applications, and peripherals.
Tivoli	C-MSS-66140	A	232	The MSS EMC Performance Management Application Service shall have the capability to request performance data from: a._Site performance management applications b._Other external systems as defined in Section 5.1.
Tivoli	C-MSS-66150	A	275	The MSS EMC Performance Management Application Service shall be capable of receiving performance data from: a._Site performance management applications b._Other external systems as defined in Section 5.1.
Tivoli	C-MSS-66170	A	290	The MSS performance management application service shall log ECS performance data pertaining to ECS network components and operating system resources.
Tivoli	C-MSS-66190	A	292	The MSS performance management application service shall provide a configurable number of thresholds for each performance metric.
Tivoli	C-MSS-66230	A	4886	The MSS performance management application service shall allow each performance metric threshold to be configurable.
Tivoli	C-MSS-66240	A	4887	The MSS performance management application service shall be capable of evaluating each performance metric against defined thresholds.
Tivoli	C-MSS-66250	A	4888	The MSS performance management application service shall record an event in the local History Log whenever a threshold is crossed.

Tivoli	C-MSS-66310	A	4889	The MSS performance management application service shall be capable of retrieving the following science algorithm performance data via the Management Data Access Service: a._algorithm name b._algorithm version c._start time d._stop time e._CPU utilization f._memory utilization g._disk reads h._disk writes
Tivoli	C-MSS-68030	A	311	The MSS performance management application service shall be capable of receiving system resource utilization information requests from the SDPS Data Processing subsystem via the Management Agent Service.
Tivoli	C-MSS-68040	A	312	The MSS performance management application service shall be capable of providing the following current system resource utilization information to the SDPS Data Processing subsystem via Management Agent Service: a._CPU utilization b._memory utilization c._disk i/o's (per second)
Tivoli	C-MSS-68050	A	313	The MSS performance management application service shall be capable of receiving resource utilization information requests from the SDPS Data Server subsystems via Management Agent Service.
Tivoli	C-MSS-68060	A	314	The MSS performance management application service shall be capable of providing the following current resource utilization information to the SDPS Data Server subsystem via the Management Agent Service: a._CPU utilization b._memory utilization c._disk I/O's (per second)
Tivoli	C-MSS-68070	A	315	The MSS performance management application service shall be capable of receiving resource utilization information requests from the SDPS Client subsystem via the Management Agent Service.
Tivoli	C-MSS-68080	A	316	The MSS performance management application service shall be capable of providing the following current resource utilization information to the SDPS Client subsystem via the Management Agent Service. a._CPU utilization b._memory utilization c._disk I/O's (per second)
Tivoli	C-MSS-70100	A	325	The MSS site Security Management Application Service shall provide the capability to set, maintain, and update access control information for ECS resources._

Tivoli	C-MSS-70110	A	326	The MSS site Security Management Application Service shall provide the capability to specify privileges for authorized users and user groups for access to ECS resources._
Tivoli	C-MSS-70400	A	336	The MSS EMC Security Management Application Service shall have the capability to receive notifications of security events from the site Security Management Application Services.
Tivoli	C-MSS-92310	B	8022	The MSS Report Generation Service shall be capable of generating a Fault Management Report containing summary and detailed information on fault management of ground resources including: a. Fault type and description b. Time of fault occurrence c. Effect of fault on system d. Status of fault resolution e. Fault statistics
Tivoli	C-MSS-92380	B	8029	The MSS Report Generation Service shall be capable of generating an EMC Host Errors Report containing a statistical summary of the types of errors logged at each site over the reporting period.
Tivoli	C-MSS-92390	B	8030	The MSS Report Generation Service shall be capable of generating a Ground Resource Availability Audit Report itemizing the occurrence of each resource outage, the reason for the outage, the duration, and the availability over the report interval.
Tivoli	C-MSS-42000	B	7705	The MSS Software Distribution Service shall maintain version controlled repositories for toolkit software, software upgrades, and documentation.
Tivoli	C-MSS-42020	B	7707	The MSS Software Distribution Service shall provide the CSS Bulletin Board Service access to the toolkit repository/information.
Tivoli	C-MSS-42250	B	7718	The MSS License Management Service shall meter use of software licenses.
Tivoli	C-MSS-42270	B	7719	The MSS License Management Service shall have the capability to notify the M&O staff when license metering events occur.
Tivoli	C-MSS-42280	B	7720	The MSS License Management Service shall log license management events
Tivoli	C-MSS-42290	B	7721	The MSS License Management Service shall compile license utilization statistics.
Tivoli	C-MSS-42300	B	7722	The MSS License Management Service shall report license utilization statistics.
Topic	S-DSS-10030	A	3577	The DDSRV CI shall support storage, retrieval and searching of documents in HTML format.

WABI	S-DPS-40100	IR1	4550	The AITTL CI shall provide the operations staff with the capability to display Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
WABI	S-DPS-40110	IR1	4551	The AITTL CI shall provide the operations staff with the capability to print Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
WABI	S-DPS-41500	IR1	4614	The AITTL CI shall provide the capability for operations staff to write reports. This capability will include: (a) word processing, (b) spreadsheet, (c) plotting, (d) drawing.
WABI	S-DPS-41510	IR1	4615	The AITTL CI shall provide templates for reports to be written by the operations staff. (NOTE: It is assumed that these templates will be developed by the Science Office.)
xedit	S-DPS-40100	IR1	4550	The AITTL CI shall provide the operations staff with the capability to display Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
xedit	S-DPS-40110	IR1	4551	The AITTL CI shall provide the operations staff with the capability to print Science Software documentation stored in any of the following formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) Microsoft Word, e) WordPerfect, f) Adobe Acrobat Portable Document Format (PDF).
xedit	S-DPS-41500	IR1	4614	The AITTL CI shall provide the capability for operations staff to write reports. This capability will include: (a) word processing, (b) spreadsheet, (c) plotting, (d) drawing.
xedit	S-DPS-41510	IR1	4615	The AITTL CI shall provide templates for reports to be written by the operations staff. (NOTE: It is assumed that these templates will be developed by the Science Office.)

XRP-II	C-MSS-40000	A	4896	The MSS configuration management application service at each site shall track the following items at the site by name and identifier: a. ECS subsystems, networks, and configured system and network devices such as workstations, servers, and routers b. ECS releases and site baselines c. ECS hardware and software resources designated as configuration items d. specifications asscoiated with configuration items e. technical documentation and test materials f. scientific algorithms, including software, data and test materials (DAACs only)
XRP-II	C-MSS-40010	A	4897	The MSS configuration management application service at each site shall identify versions and variants of configuration controlled resources that comprise the site's operational baseline.
XRP-II	C-MSS-40030	A	369	The MSS configuration management application service at each site shall make available to the SMC records that identify the site's operational baseline and the versions and implementation status of configuration controlled resources that comprise it.
XRP-II	C-MSS-40040	A	370	The MSS configuration management application service at each site shall make available to the SMC, "level of assembly" records that describe the composition of configuration items at the site.
XRP-II	C-MSS-40060	A	372	The MSS configuration management application service at each site shall maintain historical status records about ECS configuration items at the site, identifying each item's: a. current version; b. current version's specifications and technical, operations, and maintenance documentation; c. specification and technical documentation history; d. "level of assembly" representation of the components comprising the items current and release configurations e. version history
XRP-II	C-MSS-40070	A	373	The MSS configuration management application service at the SMC and the sites shall maintain records that establish traceability among operational baselines and releases.
XRP-II	C-MSS-40080	A	374	The MSS configuration management application service at the SMC and the sites shall maintain records describing dependencies among baseline objects.

XRP-II	C-MSS-40100	A	4901	The MSS configuration management application service at the SMC and the DAACs shall maintain SCF-provided configuration data for individual algorithms, including: a. algorithm development version numbers, identification codes, and reference numbers; b. SCF point of contact's name and organization; c. associated files' names, formats, sizes, and descriptions; d. number of files by category and type.
XRP-II	C-MSS-40110	A	377	The MSS configuration management application service shall display and report indentured, "level of assembly" lists that describe the component structure of configuration items.
XRP-II	C-MSS-40120	A	378	The MSS configuration management application service at the SMC shall track the names and identifiers of the following items deployed at the sites: a. ECS subsystems, networks, and configured system and network devices such as workstations, servers, and routers b. ECS releases and baselines c. ECS hardware and software resources designated as configuration items d. technical documentation and test materials; e. scientific algorithms, including software, data and test materials (DAAC's only) f. algorithm processing logic control and calibration coefficients data; g. algorithm test documentation, including specifications, data files, and scripts.
XRP-II	C-MSS-40140	A	380	The MSS configuration management application service at the SMC shall maintain, and make available system-wide, information identifying the sites where individual versions of configuration items are located and the operational status of that version at the site.
XRP-II	C-MSS-40150	A	381	The MSS configuration management application service at the SMC shall maintain, and make available system-wide, records that identify the current and previous versions of ECS hardware and software resources deployed to the sites.
XRP-II	C-MSS-40160	A	382	The MSS configuration management application service at the SMC shall maintain records that identify the current and previous versions of ECS documents associated with deployed ECS resources.
XRP-II	C-MSS-40170	A	383	The MSS configuration management application service at the SMC shall maintain, and distribute to each site, records that identify the baseline changes included in each release of ECS hardware and software deployed to the site.

XRP-II	C-MSS-40180	A	384	The MSS configuration management application service at the SMC shall maintain, and distribute to each site, records that identify the specifications and technical, operations, and maintenance documents associated with versions of ECS hardware and software configuration items deployed to the site.
XRP-II	C-MSS-40190	A	385	MSS configuration management application service at the SMC shall maintain, and distribute to each site, records that describe the change requests (enhancements and corrections) satisfied by new versions of ECS hardware, software, and documentation deployed to the sites.
XRP-II	C-MSS-40200	A	386	The MSS configuration management application service at the SMC shall maintain historical status records about ECS configuration items system-wide, to include each item's: a. current version; b. current version's specifications and technical, operations, and maintenance documentation; c. specifications and technical documentation history d. "level of assembly" representation of components comprising the item's current and release configurations: e. version history
XRP-II	C-MSS-40210	A	387	The MSS configuration management application service at the SMC shall maintain historical status records about ECS system releases, to include each release's: a. latest baseline plus approved changes. b. baseline history. c. latest release documentation. d. "level of assembly" representation of the subsystem and configuration item versions that comprise the release configuration e. history of changes, including changes to subordinate units/components. f. effectivity and installation status at operational sites. g. release configuration
XRP-II	C-MSS-40220	A	388	The MSS configuration management application service at the SMC shall maintain historical status records about ECS baseline changes to include: a. sites affected; b. installation dates c. installation status.
XRP-II	C-MSS-40240	A	390	The MSS configuration management application service at the SMC shall maintain software-critical and security-sensitive items lists.
XRP-II	C-MSS-40250	A	391	The MSS configuration management application service at the SMC shall produce, and make available system-wide, reports containing the identity and change status of documents associated with deployed ECS resources.

XRP-II	C-MSS-40260	A	392	The MSS configuration management application service at the SMC shall produce, and make available system-wide, reports, containing the identity and change status of individual ECS resources deployed to the sites.
XRP-II	C-MSS-40270	A	393	The MSS configuration management application service at the SMC shall produce, and make available system-wide, reports containing the identity of resources comprising ECS baselines and releases.
XRP-II	C-MSS-40280	A	461	The MSS configuration management application service shall characterize ECS-controlled resources as system-wide or site-specific.
XRP-II	C-MSS-40290	A	512	The MSS configuration management application service shall accept and store baseline management data records provided via interactive user interface and formatted data files.
XRP-II	C-MSS-40300	A	535	The MSS configuration management application service shall produce formatted data files containing baseline management data records.
XRP-II	C-MSS-40990	A	9410	The MSS configuration management application service shall log the following information for configuration management events: a. operation type; b. userid of initiator; c. date-time stamp; d. host name. (IR-1, at the sites only)
XRP-II	C-MSS-40995	A	9411	The MSS configuration management application service shall generate chronological reports of logged CM events associated with M&O staff-selectable: a. time frames; b. operation types; c. userids; d. hosts.
XRP-II	C-MSS-92650	B	8056	The MSS Report Generation Service shall be capable of generating a Document Configuration Status Report containing the identity and status of documents associated with ECS resources.

Table 3 COTS to LEVEL_4 links to be added

COTS ID	L4 ID
Adobe Acrobat	S-DPS-40100
Adobe Acrobat	S-DPS-40110
Adobe Acrobat	S-DPS-41500
Adobe Acrobat	S-DPS-41510
AMASS	S-DSS-04510
AMASS	S-DSS-20020
AMASS	S-DSS-20030
AMASS	S-DSS-20040
AMASS	S-DSS-20050
AMASS	S-DSS-20095
AMASS	S-DSS-20100
AMASS	S-DSS-20110
AMASS	S-DSS-20120
AMASS	S-DSS-20140
AMASS	S-DSS-20150
AMASS	S-DSS-20160
AMASS	S-DSS-20170
AMASS	S-DSS-20171
AMASS	S-DSS-20180
AMASS	S-DSS-20190
AMASS	S-DSS-20200
AMASS	S-DSS-20210
AMASS	S-DSS-20220
AMASS	S-DSS-20230
AMASS	S-DSS-20240
AMASS	S-DSS-20250
AMASS	S-DSS-20255
AMASS	S-DSS-20260
AMASS	S-DSS-20270
AMASS	S-DSS-20300
AMASS	S-DSS-20350
AMASS	S-DSS-20360
AMASS	S-DSS-20370
AMASS	S-DSS-20380
AMASS	S-DSS-20390
AMASS	S-DSS-20400
AMASS	S-DSS-20420
AMASS	S-DSS-20430
AMASS	S-DSS-20440
AMASS	S-DSS-20442
AMASS	S-DSS-20444
AMASS	S-DSS-20475
AMASS	S-DSS-20480
AMASS	S-DSS-20490

AMASS	S-DSS-20550
AMASS	S-DSS-20560
AMASS	S-DSS-20570
AMASS	S-DSS-20580
AMASS	S-DSS-20590
AMASS	S-DSS-20620
AMASS	S-DSS-20624
AMASS	S-DSS-20625
AMASS	S-DSS-20710
AMASS	S-DSS-20740
AMASS	S-DSS-20750
AMASS	S-DSS-20820
AMASS	S-DSS-20830
AMASS	S-DSS-20840
AMASS	S-DSS-20850
AMASS	S-DSS-20860
AMASS	S-DSS-20870
AMASS	S-DSS-20890
AMASS	S-DSS-20900
AMASS	S-DSS-20910
AMASS	S-DSS-20980
AMASS	S-DSS-21366
AMASS	S-DSS-21370
AMASS	S-DSS-21380
AutoSys	S-DPS-20100
AutoSys	S-DPS-20120
AutoSys	S-DPS-20130
AutoSys	S-DPS-20140
AutoSys	S-DPS-20160
AutoSys	S-DPS-20170
AutoSys	S-DPS-20180
AutoSys	S-DPS-20190
AutoSys	S-DPS-20210
AutoSys	S-DPS-20220
AutoSys	S-DPS-20230
AutoSys	S-DPS-20240
AutoSys	S-DPS-20330
AutoSys	S-DPS-20340
AutoSys	S-DPS-20400
AutoSys	S-DPS-20470
AutoSys	S-DPS-20480
AutoSys	S-DPS-20490
AutoSys	S-DPS-20500

AutoSys	S-DPS-20510
AutoSys	S-DPS-20520
AutoSys	S-DPS-20680
AutoSys	S-DPS-20691
AutoSys	S-DPS-20692
AutoSys	S-DPS-20693
AutoSys	S-DPS-20694
AutoSys	S-DPS-20695
AutoSys	S-DPS-20696
AutoSys	S-DPS-20730
AutoSys	S-DPS-20830
AutoSys	S-DPS-20850
AutoSys	S-DPS-20860
AutoSys	S-DPS-21000
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AutoSys	S-DPS-21170
AutoSys	S-DPS-21210
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AutoSys	S-DPS-21230
AutoSys	S-DPS-21240
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AutoSys	S-DPS-21560
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AutoSys	S-DPS-21720
AutoSys	S-DPS-21730
AutoSys	S-DPS-21740
AutoSys	S-DPS-21750

AutoSys	S-DPS-21760
AutoSys	S-DPS-21770
AutoSys	S-DPS-21780
AutoSys	S-DPS-21840
AutoSys	S-DPS-21856
AutoSys	S-DPS-21860
AutoSys	S-DPS-21880
AutoSys	S-DPS-21890
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AutoSys	S-DPS-21910
AutoSys	S-DPS-21950
AutoSys	S-DPS-22100
AutoSys	S-DPS-22200
AutoSys	S-DPS-22210
AutoSys	S-DPS-22220
AutoSys	S-DPS-22230
AutoSys	S-DPS-22240
AutoSys	S-DPS-22250
AutoSys	S-DPS-22400
AutoSys	S-DPS-22410
AutoSys	S-DPS-22470
AutoSys	S-DPS-22480
AutoSys	S-DPS-22490
AutoSys	S-DPS-22500
AutoSys	S-DPS-22510
AutoSys	S-DPS-22520
AutoSys	S-DPS-22530
AutoSys	S-DPS-22540
AutoSys	S-DPS-22620
AutoSys	S-DPS-22630
CASEVision	S-DPS-40400
CASEVision	S-DPS-40430
CASEVision	S-DPS-41000
CASEVision	S-DPS-41005
CASEVision	S-DPS-41010
CASEVision	S-DPS-41015
CASEVision	S-DPS-41020
CASEVision	S-DPS-41030

CASEVision	S-DPS-41035
CASEVision	S-DPS-41040
CASEVision	S-DPS-41050
ClearCase	C-MSS-92640
ClearCase	C-MSS-40400
ClearCase	C-MSS-40410
ClearCase	C-MSS-40420
ClearCase	C-MSS-40460
ClearCase	C-MSS-40470
ClearCase	C-MSS-40480
ClearCase	C-MSS-40490
ClearCase	C-MSS-40500
ClearCase	C-MSS-40510
ClearCase	C-MSS-40520
ClearCase	C-MSS-40530
ClearCase	C-MSS-40540
ClearCase	C-MSS-40550
ClearCase	C-MSS-40560
ClearCase	C-MSS-40570
ClearCase	C-MSS-40990
ClearCase	C-MSS-40995
ClearCase	S-DPS-41400
ClearCase	S-DPS-41895
Compilers (Ada)	S-DPS-40250
Compilers (C)	S-DPS-40200
Compilers (C)	S-DPS-40260
Compilers (C)	S-DPS-40295
Compilers (C)	S-DPS-40340
Compilers (FORTRAN 77)	S-DPS-40210
Compilers (FORTRAN 90)	S-DPS-40230
DDTS	C-MSS-40600
DDTS	C-MSS-40610
DDTS	C-MSS-40620
DDTS	C-MSS-40650
DDTS	C-MSS-40660
DDTS	C-MSS-40670
DDTS	C-MSS-40680
DDTS	C-MSS-40690

DDTS	C-MSS-40700
DDTS	C-MSS-40720
DDTS	C-MSS-40730
DDTS	C-MSS-40750
DDTS	C-MSS-40760
DDTS	C-MSS-40770
DDTS	C-MSS-40520
DDTS	C-MSS-40990
DDTS	C-MSS-40995
DDTS	C-MSS-92070
DDTS	S-DPS-41410
emacs	S-DPS-40100
emacs	S-DPS-40110
emacs	S-DPS-41500
emacs	S-DPS-41510
FORCHECK	S-DPS-40210
FORCHECK	S-DPS-40230
FORCHECK	S-DPS-40295
FORCHECK	S-DPS-40340
FORCHECK	S-DPS-40210
Ghostview	S-DPS-40100
Ghostview	S-DPS-40110
Ghostview	S-DPS-41500
Ghostview	S-DPS-41510
HP OpenView	C-MSS-12005
HP OpenView	C-MSS-12010
HP OpenView	C-MSS-12020
HP OpenView	C-MSS-12030
HP OpenView	C-MSS-12040
HP OpenView	C-MSS-12050
HP OpenView	C-MSS-12060
HP OpenView	C-MSS-12070
HP OpenView	C-MSS-12080
HP OpenView	C-MSS-12090
HP OpenView	C-MSS-12100
HP OpenView	C-MSS-12110
HP OpenView	C-MSS-12120
HP OpenView	C-MSS-12130

HP OpenView	C-MSS-12140
HP OpenView	C-MSS-12170
HP OpenView	C-MSS-12180
HP OpenView	C-MSS-14010
HP OpenView	C-MSS-14020
HP OpenView	C-MSS-14030
HP OpenView	C-MSS-14040
HP OpenView	C-MSS-16005
HP OpenView	C-MSS-16010
HP OpenView	C-MSS-16020
HP OpenView	C-MSS-16030
HP OpenView	C-MSS-16040
HP OpenView	C-MSS-16050
HP OpenView	C-MSS-16060
HP OpenView	C-MSS-16070
HP OpenView	C-MSS-16100
HP OpenView	C-MSS-16110
HP OpenView	C-MSS-20010
HP OpenView	C-MSS-20020
HP OpenView	C-MSS-20030
HP OpenView	C-MSS-20040
HP OpenView	C-MSS-60010
HP OpenView	C-MSS-60020
HP OpenView	C-MSS-60030
HP OpenView	C-MSS-60040
HP OpenView	C-MSS-60050
HP OpenView	C-MSS-60060
HP OpenView	C-MSS-60070
HP OpenView	C-MSS-60080
HP OpenView	C-MSS-60100
HP OpenView	C-MSS-60110
HP OpenView	C-MSS-60120
HP OpenView	C-MSS-60140
HP OpenView	C-MSS-60150
HP OpenView	C-MSS-60160
HP OpenView	C-MSS-60170
HP OpenView	C-MSS-60200
HP OpenView	C-MSS-60210
HP OpenView	C-MSS-60220

HP OpenView	C-MSS-60230
HP OpenView	C-MSS-60300
HP OpenView	C-MSS-60320
HP OpenView	C-MSS-60330
HP OpenView	C-MSS-60340
HP OpenView	C-MSS-60360
HP OpenView	C-MSS-60390
HP OpenView	C-MSS-60395
HP OpenView	C-MSS-60520
HP OpenView	C-MSS-60530
HP OpenView	C-MSS-60540
HP OpenView	C-MSS-60600
HP OpenView	C-MSS-60620
HP OpenView	C-MSS-66000
HP OpenView	C-MSS-66010
HP OpenView	C-MSS-66020
HP OpenView	C-MSS-66030
HP OpenView	C-MSS-66040
HP OpenView	C-MSS-66050
HP OpenView	C-MSS-66060
HP OpenView	C-MSS-66070
HP OpenView	C-MSS-66080
HP OpenView	C-MSS-66090
HP OpenView	C-MSS-66120
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HP OpenView	C-MSS-66140
HP OpenView	C-MSS-66150
HP OpenView	C-MSS-66170
HP OpenView	C-MSS-66190
HP OpenView	C-MSS-66230
HP OpenView	C-MSS-66240
HP OpenView	C-MSS-68000
HP OpenView	C-MSS-68020
HP OpenView	C-MSS-68030
HP OpenView	C-MSS-68040
HP OpenView	C-MSS-68050
HP OpenView	C-MSS-68060
HP OpenView	C-MSS-68070
HP OpenView	C-MSS-68080

HP OpenView	C-MSS-68100
HP OpenView	C-MSS-70400
HP OpenView	C-MSS-92170
HP OpenView	C-MSS-92180
HP OpenView	C-MSS-92190
HP OpenView	C-MSS-92200
HP OpenView	C-MSS-92210
HP OpenView	C-MSS-92220
HP OpenView	C-MSS-92230
HP OpenView	C-MSS-92240
HP OpenView	C-MSS-92330
HP OpenView	C-MSS-92340
HP OpenView	C-MSS-92350
HP OpenView	C-MSS-92360
HP OpenView	C-MSS-92370
HP OpenView	C-MSS-92630
IDL	S-DPS-40700
IDL	S-DPS-40710
IDL	S-DPS-40720
IDL	S-DPS-40730
IDL	S-DPS-40740
IDL	S-DPS-40750
IDL	S-DPS-40760
IDL	S-DPS-40770
IDL	S-DPS-40780
IDL	S-DPS-40790
IDL	S-DPS-40800
IDL	S-DPS-40810
IDL	S-DPS-40820
IDL	S-DPS-40830
IDL	S-DPS-40840
Illustra	S-DSS-10030
Illustra	S-DSS-10050
Illustra	S-DSS-10060
Illustra	S-DSS-10070

Illustra	S-DSS-10090
Illustra	S-DSS-10095
Illustra	S-DSS-10100
Illustra	S-DSS-10110
Illustra	S-DSS-10120
Illustra	S-DSS-10130
Illustra	S-DSS-10140
Illustra	S-DSS-10150
Illustra	S-DSS-10160
Illustra	S-DSS-10170
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Illustra	S-DSS-10190
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Illustra	S-DSS-10220
Illustra	S-DSS-10238
Illustra	S-DSS-10241
Illustra	S-DSS-10250
Illustra	S-DSS-10055
Illustra	S-DSS-10202

Illustra	S-DSS-10206
Illustra	S-DSS-10208
Illustra	S-DSS-04476
Illustra	S-DSS-10010
Illustra	S-DSS-10186
Illustra	S-DSS-00115
Illustra	S-DSS-00116
Illustra	S-DSS-00180
Illustra	S-DSS-00270
Illustra	S-DSS-00280
Illustra	S-DSS-00730
Illustra	S-DSS-00732
Illustra	S-DSS-00740
Illustra	S-DSS-00750
Illustra	S-DSS-00770
Illustra	S-DSS-00780
Illustra	S-DSS-00790
Illustra	S-DSS-00800
Illustra	S-DSS-00810
Illustra	S-DSS-01360
Illustra	S-DSS-01520
Illustra	S-DSS-03006
Illustra	S-DSS-03100
Illustra	S-DSS-03200
Illustra	S-DSS-03340
Illustra	S-DSS-03410
Illustra	S-DSS-03710
Illustra	S-DSS-04410
Illustra	S-DSS-04500
Illustra	S-DSS-04620
Illustra	S-DSS-04630
Illustra	S-DSS-10020
Illustra	S-DSS-10231
Illustra	S-DSS-10232
MS Office	S-DPS-40100
MS Office	S-DPS-40110
MS Office	S-DPS-41500
MS Office	S-DPS-41510
Netscape	S-DPS-40100
Netscape	S-DPS-40110
Netscape	S-DPS-41500
Netscape	S-DPS-41510

Netscape	F-FUI-02705
Netscape	F-FUI-02710
Netscape	F-FUI-02725
Netscape Commerce	S-DSS-10030
Netscape Commerce	S-DSS-10050
Netscape Commerce	S-DSS-10060
Netscape Commerce	S-DSS-10070
Netscape Commerce	S-DSS-10090
Netscape Commerce	S-DSS-10095
Netscape Commerce	S-DSS-10100
Netscape Commerce	S-DSS-10110
Netscape Commerce	S-DSS-10120
Netscape Commerce	S-DSS-10130
Netscape Commerce	S-DSS-10140
Netscape Commerce	S-DSS-10150
Netscape Commerce	S-DSS-10160
Netscape Commerce	S-DSS-10170
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Netscape Commerce	S-DSS-10200
Netscape Commerce	S-DSS-10204
Netscape Commerce	S-DSS-10209
Netscape Commerce	S-DSS-10210
Netscape Commerce	S-DSS-10220
Netscape Commerce	S-DSS-10238
Netscape Commerce	S-DSS-10241
Netscape Commerce	S-DSS-10250
Netscape Commerce	S-DSS-10055
Netscape Commerce	S-DSS-10202
Netscape Commerce	S-DSS-10206
Netscape Commerce	S-DSS-10208
OODCE / DCE	C-CSS-00020
OODCE / DCE	C-CSS-01000
OODCE / DCE	C-CSS-01010
OODCE / DCE	C-CSS-01020
OODCE / DCE	C-CSS-01030
OODCE / DCE	C-CSS-01040
OODCE / DCE	C-CSS-01050

OODCE / DCE	C-CSS-01060
OODCE / DCE	C-CSS-01140
OODCE / DCE	C-CSS-01160
OODCE / DCE	C-CSS-01170
OODCE / DCE	C-CSS-01180
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OODCE / DCE	C-CSS-01210
OODCE / DCE	C-CSS-20080
OODCE / DCE	C-CSS-20085
OODCE / DCE	C-CSS-21000
OODCE / DCE	C-CSS-21005
OODCE / DCE	C-CSS-21020
OODCE / DCE	C-CSS-21030
OODCE / DCE	C-CSS-21040
OODCE / DCE	C-CSS-21050
OODCE / DCE	C-CSS-21100
OODCE / DCE	C-CSS-21170
OODCE / DCE	C-CSS-21180
OODCE / DCE	C-CSS-21190
OODCE / DCE	C-CSS-21200
OODCE / DCE	C-CSS-25010
OODCE / DCE	C-CSS-25120
OODCE / DCE	C-CSS-25130
OODCE / DCE	C-CSS-25140
OODCE / DCE	C-CSS-26010
OODCE / DCE	C-CSS-26020
OODCE / DCE	C-CSS-26030
OODCE / DCE	C-CSS-26040
OODCE / DCE	C-CSS-26050
OODCE / DCE	C-CSS-26060
OODCE / DCE	C-CSS-26065
OODCE / DCE	C-CSS-26070
OODCE / DCE	C-CSS-26080
OODCE / DCE	C-CSS-63000
OODCE / DCE	C-CSS-63010
OODCE / DCE	C-CSS-63020
OODCE / DCE	C-CSS-63040
OODCE / DCE	C-CSS-63050

OODCE / DCE	C-CSS-63060
OODCE / DCE	C-MSS-10410
OODCE / DCE	C-MSS-70020
OODCE / DCE	C-MSS-70100
OODCE / DCE	C-MSS-70110
OODCE / DCE	C-MSS-70130
PNM	C-MSS-87500
PNM	C-MSS-87510
PNM	C-MSS-87520
PNM	C-MSS-87530
PNM	C-MSS-87540
PNM	C-MSS-87550
PNM	C-MSS-87560
PNM	C-MSS-87570
PNM	C-MSS-87580
PNM	C-MSS-87590
PNM	C-MSS-87600
PNM	C-MSS-87610
PNM	C-MSS-87620
PNM	C-MSS-87630
PNM	C-MSS-87640
Remedy ARS	C-MSS-57500
Remedy ARS	C-MSS-57510
Remedy ARS	C-MSS-57520
Remedy ARS	C-MSS-57530
Remedy ARS	C-MSS-57540
Remedy ARS	C-MSS-57550
Remedy ARS	C-MSS-57560
Remedy ARS	C-MSS-57580
Remedy ARS	C-MSS-57590
Remedy ARS	C-MSS-57600
Remedy ARS	C-MSS-57610
Remedy ARS	C-MSS-57620
Remedy ARS	C-MSS-57630
Remedy ARS	C-MSS-92320
RTworks	F-ANA-09010
RTworks	F-ANA-09020
RTworks	F-ANA-09030
RTworks	F-ANA-09040

RTworks	F-ANA-09050
RTworks	F-ANA-09060
RTworks	F-ANA-09070
RTworks	F-ANA-09080
RTworks	F-ANA-09090
RTworks	F-ANA-09100
RTworks	F-ANA-09110
RTworks	F-ANA-09120
RTworks	F-ANA-09130
RTworks	F-ANA-09140
RTworks	F-ANA-09150
RTworks	F-ANA-09160
RTworks	F-ANA-07400
RTworks	F-ANA-07410
RTworks	F-ANA-17010
RTworks	F-ANA-17020
RTworks	F-ANA-17030
RTworks	F-ANA-17040
RTworks	F-ANA-17050
RTworks	F-ANA-17060
SPARCWorks	S-DPS-40400
SPARCWorks	S-DPS-40430
SQS	S-DSS-00150
SQS	S-DSS-00160
SQS	S-DSS-00165
SQS	S-DSS-00170
SQS	S-DSS-00520
SQS	S-DSS-00550
SQS	S-DSS-00560
SQS	S-DSS-00570
SQS	S-DSS-00610
SQS	S-DSS-00900
SQS	S-DSS-00901
SQS	S-DSS-00902
SQS	S-DSS-00970
SQS	S-DSS-01472
SQS	S-DSS-02900
SQS	S-DSS-03170

SQS	S-DSS-03360
SQS	S-DSS-03365
SQS	S-DSS-03370
SQS	S-DSS-03390
SQS	S-DSS-03730
SQS	S-DSS-03740
SQS	S-DSS-03750
SQS	S-DSS-03770
SQS	S-DSS-03780
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SQS	S-DSS-04700
SQS	S-DSS-04710
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Sybase	S-DSS-00160
Sybase	S-DSS-00165
Sybase	S-DSS-00170
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Sybase	S-DSS-00550
Sybase	S-DSS-00560
Sybase	S-DSS-00570

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Sybase	S-DSS-00901
Sybase	S-DSS-00902
Sybase	S-DSS-00970
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Sybase	S-DSS-02900
Sybase	S-DSS-03170
Sybase	S-DSS-03360
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Sybase	S-DSS-03750
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Sybase	S-DSS-04680
Sybase	S-DSS-04690
Sybase	S-DSS-04700
Sybase	S-DSS-04710
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Sybase	S-DMS-00250
Sybase	S-DMS-00470
Sybase	S-DMS-01050
Sybase	S-DMS-10130
Sybase	S-DMS-10460
Sybase	S-DMS-11050
Sybase	S-DMS-20230
Sybase	S-DMS-20300
Sybase	S-DMS-20310
Sybase	S-DMS-20320
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Sybase	S-DMS-20340
Sybase	S-DMS-20640
Sybase	S-DMS-31050
Sybase	S-IOS-00020
Sybase	S-IOS-00100
Sybase	S-IOS-00130
Sybase	S-IOS-00140
Sybase	S-IOS-00150

Sybase	S-IOS-00160
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Sybase	S-IOS-00180
Sybase	S-IOS-00330
Sybase	F-DMS-00110
Sybase	F-DMS-00120
Sybase	F-DMS-00130
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Sybase	F-DMS-01320
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Sybase	S-PLS-01260
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Sybase	S-PLS-01280
Sybase	S-PLS-01290
Sybase	S-PLS-01300
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Sybase	S-DSS-20690
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Sybase	S-DSS-20720
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Sybase	S-DSS-21190

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Sybase	S-DSS-10080
Tivoli	C-MSS-60020
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Tivoli	C-MSS-60050
Tivoli	C-MSS-60060
Tivoli	C-MSS-60070
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Tivoli	C-MSS-60170
Tivoli	C-MSS-60200
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Tivoli	C-MSS-60220
Tivoli	C-MSS-60230
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Tivoli	C-MSS-60390
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Tivoli	C-MSS-60410
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Tivoli	C-MSS-66000
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Tivoli	C-MSS-66060
Tivoli	C-MSS-66070

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Tivoli	C-MSS-66120
Tivoli	C-MSS-66130
Tivoli	C-MSS-66140
Tivoli	C-MSS-66150
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Tivoli	C-MSS-68080
Tivoli	C-MSS-70100
Tivoli	C-MSS-70110
Tivoli	C-MSS-70400
Tivoli	C-MSS-92310
Tivoli	C-MSS-92380
Tivoli	C-MSS-92390
Tivoli	C-MSS-42000
Tivoli	C-MSS-42020
Tivoli	C-MSS-42250
Tivoli	C-MSS-42270
Tivoli	C-MSS-42280
Tivoli	C-MSS-42290
Tivoli	C-MSS-42300
Topic	S-DSS-10030
WABI	S-DPS-40100
WABI	S-DPS-40110
WABI	S-DPS-41500
WABI	S-DPS-41510
xedit	S-DPS-40100
xedit	S-DPS-40110
xedit	S-DPS-41500

xedit	S-DPS-41510
XRP-II	C-MSS-40000
XRP-II	C-MSS-40010
XRP-II	C-MSS-40030
XRP-II	C-MSS-40040
XRP-II	C-MSS-40060
XRP-II	C-MSS-40070
XRP-II	C-MSS-40080
XRP-II	C-MSS-40100
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XRP-II	C-MSS-40995
XRP-II	C-MSS-92650