

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-12170	216	<del>A</del> B0	functional	test	unverified		The MSS MUI Service shall provide the capability to register and unregister management applications.
C-MSS-16010	181	<del>A</del> B0	RMA	test	unverified		MSS Monitor/Control Service shall communicate via ECS management protocol with the Management Agent Service in test or operational mode.
C-MSS-18060	10705	<del>A</del> B0	functional	test	unverified		The Management Data Access Service shall provide the capability for an operator to access management data via a log browser.
C-MSS-18070	10709	<del>A</del> B0	functional	test	unverified		The MSS Management Data Access Service shall provide the capability to selectively access management data.
C-MSS-18200	10712	<del>A</del> B0	functional	test	unverified		The MSS <del>Management Data Access Service</del> shall provide the capability for an application via APIs to <del>append log event information to the management database.</del> <b>append log event information</b>
C-MSS-18260	227	<del>A</del> B0	functional	test	unverified		The MSS Management Data Access Service shall have the capability to schedule the transfer and loading log files into the management database at the site.
C-MSS-18270	228	<del>A</del> B0	functional	test	unverified		The MSS Management Data Access Service shall have the capability to schedule the archiving of log files at the site.
C-MSS-18280	10715	<del>A</del> B0	functional	test	unverified		MSS shall have the capability to schedule the transfer of management data at the sites to the SMC.
C-MSS-18330	10719	<del>A</del> B0	functional	test	unverified		MSS shall provide the capability for an applications to append records to a log file.
C-MSS-18340	10720	<del>A</del> B0	functional	test	unverified		The MSS Management Data Access Service shall provide the capability for an operator to selectively read a record from a log file
C-MSS-18350	234	<del>A</del> B0	functional	test	unverified		The MSS Management Data Access Service shall provide the capability <del>for an application</del> to load log files into the management database at the site.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-36042	5303	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The MSS management agent service shall send ECS management traps/events <a href="#">associated with ECS applications</a> to the management server using a reliable notification mechanism.
C-MSS-36045	5304	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The MSS management agent service shall send ECS management traps/events <a href="#">associated with ECS applications</a> to the management server using a secure notification mechanism.
C-MSS-36052	5305	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The MSS management agent service shall receive ECS management set messages <a href="#">associated with ECS applications</a> from the management server using a reliable mechanism.
C-MSS-36055	5306	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The MSS management agent service shall receive ECS management set messages <a href="#">associated with ECS applications</a> from the management server using a secure mechanism.
C-MSS-36080	437	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The MSS Management Agent Service shall provide an extensible ECS management agent for ECS Host systems
C-MSS-36090	438	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The MSS Management Agent Service shall provide an extensible ECS management agent for ECS applications
C-MSS-36100	439	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The MSS Management Agent Service shall provide proxy agents for ECS network devices and applications that cannot be managed via SNMP.
C-MSS-36110	10722	<del>A</del> <u>B0</u>	functional	test	unverified		The MSS Management Agent Service shall provide an ECS master agent to coordinate and communicate with multiple ECS management subagents.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-40000	10672	<del>A</del> <u>B0</u>	functional	demo	unverified		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 associated with configuration items e. technical documentation and test materials f. scientific algorithms, including software, data and test materials (DAACs only)
C-MSS-40010	4897	<del>A</del> <u>B0</u>	functional	<u>demo</u>	<u>unverified</u>		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.
C-MSS-40030	369	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		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.
C-MSS-40040	370	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		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.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-40060	372	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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: <ol style="list-style-type: none"> <li>a. current version;</li> <li>b. current version's specifications and technical, operations, and maintenance documentation;</li> <li>c. specification and technical documentation history;</li> <li>d. "level of assembly" representation of the components comprising the items current and release configurations</li> <li>e. version history</li> </ol>
C-MSS-40070	373	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS configuration management application service at the SMC and the sites shall maintain records that establish traceability among operational baselines and releases.
C-MSS-40080	374	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS configuration management application service at the SMC and the sites shall maintain records describing dependencies among baseline objects.
C-MSS-40100	4901	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS configuration management application service at the SMC and the DAACs shall maintain SCF-provided configuration data for individual algorithms, including: <ol style="list-style-type: none"> <li>a. algorithm development version numbers, identification codes, and reference numbers;</li> <li>b. SCF point of contact's name and organization;</li> <li>c. associated files' names, formats, sizes, and descriptions;</li> <li>d. number of files by category and type.</li> </ol>
C-MSS-40110	377	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS configuration management application service shall display and report indented, "level of assembly" lists that describe the component structure of configuration items.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-40120	378	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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.
C-MSS-40140	380	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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.
C-MSS-40150	381	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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.
C-MSS-40160	382	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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.
C-MSS-40170	383	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-40180	384	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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.
C-MSS-40190	385	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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.
C-MSS-40200	386	<del>A</del> B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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: <ol style="list-style-type: none"> <li>a. current version;</li> <li>b. current version's specifications and technical, operations, and maintenance documentation;</li> <li>c. specifications and technical documentation history</li> <li>d. "level of assembly" representation of components comprising the item's current and release configurations:</li> <li>e. version history</li> </ol>

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-40210	387	A B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS configuration management application service at the SMC shall maintain historical status records about ECS system releases, to include each release's: <ol style="list-style-type: none"> <li>a. latest baseline plus approved changes.</li> <li>b. baseline history.</li> <li>c. latest release documentation.</li> <li>d. "level of assembly" representation of the subsystem and configuration item versions that comprise the release configuration</li> <li>e. history of changes, including changes to subordinate units/components.</li> <li>f. effectivity and installation status at operational sites.</li> <li>g. release configuration</li> </ol>
C-MSS-40220	388	A B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS configuration management application service at the SMC shall maintain historical status records about ECS baseline changes to include: <ol style="list-style-type: none"> <li>a. sites affected;</li> <li>b. installation dates</li> <li>c. installation status.</li> </ol>
C-MSS-40240	390	A B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS configuration management application service at the SMC shall maintain software-critical and security-sensitive items lists.
C-MSS-40250	391	A B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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.
C-MSS-40260	392	A B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-40270	393	<del>A</del> <u>B0</u>	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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.
C-MSS-40280	461	<del>A</del> <u>B0</u>	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS configuration management application service shall characterize ECS-controlled resources as system-wide or site-specific.
C-MSS-40290	512	<del>A</del> <u>B0</u>	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS configuration management application service shall accept and store baseline management data records provided via interactive user interface and formatted data files.
C-MSS-40300	535	<del>A</del> <u>B0</u>	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS configuration management application service shall produce formatted data files containing baseline management data records.
C-MSS-40520	9528	<del>A</del> <u>B0</u>	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS configuration management application service shall request, verify, and log a change request number for a software library file before allowing the file to be checked out for modification.
C-MSS-40530	407	<del>A</del> <u>B0</u>	functional	<a href="#">demo</a>	<a href="#">unverified</a>		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.
C-MSS-40600	414	<del>A</del> <u>B0</u>	functional	<a href="#">test</a>	<a href="#">unverified</a>		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.
C-MSS-40610	415	<del>A</del> <u>B0</u>	functional	<a href="#">test</a>	<a href="#">unverified</a>		The MSS configuration management application service shall store copies of non-conformance reports and requests to modify ECS components and configurations.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-40620	416	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		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.
C-MSS-40650	417	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS configuration management application service at the SMC shall receive configuration change requests and non-conformance reports in electronic form from the sites.
C-MSS-40660	418	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		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.
C-MSS-40670	419	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS configuration management application service at the SMC shall receive and store impact assessments in response to change evaluation requests.
C-MSS-40680	420	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS configuration management service at the SMC shall electronically link impact assessments to their associated change requests.
C-MSS-40690	421	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS configuration management application service at the SMC shall maintain the status of responses to change evaluation requests.
C-MSS-40700	422	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS configuration management application service at the SMC shall record summaries of impact assessments received.
C-MSS-40720	424	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		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.
C-MSS-40730	425	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		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.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-40750	427	<del>A</del> B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		The MSS configuration management application service at the SMC shall track approval and closure status of configuration change requests and non-conformance reports.
C-MSS-40760	428	<del>A</del> B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		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.
C-MSS-40770	455	<del>A</del> B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		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.
C-MSS-57500	5124	<del>A</del> B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		The Trouble Ticketing Service shall have a graphical user interface to support the entry and editing of trouble tickets.
C-MSS-57510	5125	<del>A</del> B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		The Trouble Ticketing Service shall provide the ability to automatically notify the originator of the trouble ticket of changes in status.
C-MSS-57520	5126	<del>A</del> B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		The Trouble Ticketing Service shall provide an Application Program Interface which supports integration of entry of trouble tickets by other packages.
C-MSS-57530	5127	<del>A</del> B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		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.
C-MSS-57540	5128	<del>A</del> B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		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).
C-MSS-57550	10729	<del>A</del> B0	functional	test	unverified		The Trouble Ticketing Service shall be capable of indicating whether a trouble ticket is open, in progress, closed, or archived.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-57560	5130	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The Trouble Ticketing Service shall provide the ability to search for trouble tickets relating to the same resource (equipment).
C-MSS-57580	5131	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		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.
C-MSS-57590	5132	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The Trouble Ticketing Service shall integrate with the MSS framework to allow management and monitoring of its services.
C-MSS-57600	5133	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The Trouble Ticketing Service shall allow entry of a trouble ticket by any registered user of the system.
C-MSS-57610	5134	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The Trouble Ticketing Service shall provide the capability to generate reports from the its data.
C-MSS-57620	5135	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The Trouble Ticketing Service shall allow output of reports to either the screen or printer.
C-MSS-57630	5136	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The Trouble Ticketing Service shall provide customization features to allow sites to specify notification and escalation rules.
C-MSS-58000	10790	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall have a graphical interface to support the entry and editing of contacts.
C-MSS-58010	10792	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall provide an Application Program Interface which supports integration of entry of contacts by other packages.
C-MSS-58020	10793	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall provide the ability to search historical and current contacts by category, log id, associated trouble ticket, contact organization, contact home DAAC, contact phone number, and contact id.
C-MSS-58030	10794	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall provide the ability to maintain different contact statuses including logged, open, and closed.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-58040	10796	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall provide the ability to store the following minimum set of information: unique contact id, status, description, contact name, receiving operator, received time, modified date, last modified by, and category.
C-MSS-58050	10797	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall integrate with the framework to allow management and monitoring of its services.
C-MSS-58060	10799	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall allow entry of a contact log by any operator of the system.
C-MSS-58070	10801	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall provide the capability to generate reports from its data.
C-MSS-58080	10802	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall allow output of reports to either the screen, file, or printer.
C-MSS-58090	10803	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall provide customization features to allow sites to specify receiving operator and category.
C-MSS-58100	10805	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall allow creation of trouble ticket from contact log.
C-MSS-58110	10807	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall allow access of trouble ticket from contact log.
C-MSS-58120	10808	<del>A</del> <u>B0</u>	functional	test	unverified		The Contact Log Service shall allow automatic population of create time.
C-MSS-60030	237	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Fault Management Application Service shall provide the capability to assign faults to categories.
C-MSS-60040	238	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Fault Management Application Service shall provide the capability to assign severity levels to faults.
C-MSS-60050	239	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Fault Management Application Service shall be capable of <del>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</del> <u>specifying whether to enable or disable the logging of fault notifications for each fault category.</u>

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-60060	240	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		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.
C-MSS-60070	241	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		<del>The MSS Fault Management Application Service shall provide the capability to specify additional log fault specific information to be added to a disk log file, based on the fault category, when the notification of a fault is received</del> <u>based on fault category, when the fault is detected.</u>
C-MSS-60220	253	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Fault Management Application Service shall have the capability to send the notification of a fault to registered recipients.
C-MSS-60230	267	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Fault Management Application Service shall have the capability of generating a notification within a maximum of five minutes of fault detection.
C-MSS-60235	10172	<del>A</del> <u>B0</u>	interface	demo	<u>unverified</u>		The MSS Fault Management application service shall provide configuration management information to the PLANG CI for resource planning.
C-MSS-60300	10734	<del>A</del> <u>B0</u>	functional	test	unverified		The MSS Fault Management Application Service shall provide the capability to verify connectivity between selected pairs of hosts on the ESN.
C-MSS-60320	256	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		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.
C-MSS-60330	257	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		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.
C-MSS-60360	259	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Fault Management Application Service shall provide the capability to execute vendor diagnostics in order to diagnose faults traced to hardware equipment.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-60390	262	A B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		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: <ul style="list-style-type: none"> <li>a. subsystem</li> <li>b. equipment</li> <li>c. software</li> </ul>
C-MSS-60395	263	A B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		The MSS Fault Management Application Service shall be capable of retrieving records of detected fault.
C-MSS-60520	270	A B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		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.
C-MSS-60530	271	A B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		The MSS Fault Management Application Service shall provide the capability to pass parameters to action routines.
C-MSS-60610	274	A B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		The MSS Fault Management Application Service shall have the capability to build histories for different types of errors and events detected, for the purpose of analysis.
C-MSS-66070	231	A B0	functional	<a href="#">demo</a>	<a href="#">unverified</a>		The MSS Performance Management Application Service shall be capable of receiving unrequested performance data from ECS managed objects.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-66090	249	A B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		<p>The MSS Performance Management Application Service shall have the capability to collect the following performance information about communication protocol stacks on managed devices:</p> <ul style="list-style-type: none"> <li>a. number of transport layer messages received with errors</li> <li>b. number of transport layer messages requiring retransmission</li> <li>c. number of transport layer messages received that could not be delivered</li> <li>d. number of <del>jetwork</del> <a href="#">network</a> layer messages received with errors</li> <li>e. number of network layer messages received that could not be delivered</li> <li>f. number of network layer messages that were discarded</li> </ul>
C-MSS-66135	5241	A B1	RMA	<a href="#">test</a>	<a href="#">unverified</a>		<p>The MSS Performance Management Application Service shall have the capability to calculate the following statistics for the purpose of supporting RMA analysis for managed objects:</p> <ul style="list-style-type: none"> <li>a. Mean Down time (MDT)</li> <li>b. Mean Time Between Maintenance (MTBM) <ul style="list-style-type: none"> <li>1. Mean Time Between Preventive Maintenance (MTBPM)</li> <li>2. Mean Time Between Corrective Maintenance (MTBCM)</li> </ul> </li> <li>c. Mean Time to Repair (MTTR)</li> </ul>
C-MSS-66137	371	A B1	functional	<a href="#">test</a>	<a href="#">unverified</a>		<p>The MSS Performance Management Application Service shall retain the calculated RMA statistics in a repository accessible for further analysis by the M&amp;O Staff.</p>
C-MSS-66280	301	A B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		<p>The MSS site performance management application service shall be capable of extracting summarized site status information from logged performance data.</p>

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-66290	302	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS site performance management application service shall be capable of sending summarized status information for that site to the MSS <del>EMC</del> <u>SMC</u> performance management application service.
C-MSS-66300	304	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS <del>EMC</del> <u>SMC</u> performance management application service shall log received summarized site status.
C-MSS-66305	5299	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Performance Management Application Service shall be capable of collecting the following performance data for all ECS-managed processes: a. start time b. stop time c. CPU utilization d. memory utilization e. disk <del>reads</del> <u>i/o</u> f. <del>disk writes</del>
C-MSS-66320	10753	<del>A</del> <u>B0</u>	functional	test	unverified		MSS shall be capable of receiving the following performance data from the Data Server: a. total order volume b. elapsed time of Data Server events
C-MSS-66330	10754	<del>A</del> <u>B0</u>	functional	test	unverified		MSS shall be capable of receiving the following performance data from Planning: a. Notification received b. Notification received but not processed c. DPRs released
C-MSS-66340	10756	<del>A</del> <u>B0</u>	functional	test	unverified		MSS shall be capable of receiving the following performance data from Ingest: a. ingest volumes b. processing times c. no. of completed requests d. no. of unsuccessful requests

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-67000	306	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS performance management application service shall be capable of extracting values of performance metrics gathered for a specified managed objects over a configurable period of time from the Management Database.
C-MSS-67010	307	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS performance management application service shall be capable of generating a graph of the extracted performance metric values.
C-MSS-68090	355	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Performance Management Application Service shall have the capability to generate reports from collected management data.
C-MSS-70310	331	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS site Security Management Application Service shall have the capability to perform security testing on a periodic and on an interactive basis.
C-MSS-70410	337	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS <del>EMC</del> <u>SMC</u> Security Management Application Service shall have the capability to receive security audit trails from the site Security Management Application Services.
C-MSS-70420	10773	<del>A</del> <u>B0</u>	functional	test	unverified		The MSS <del>EMC</del> <u>SMC</u> Security Management Application Service shall have the capability to analyze security events for the purpose of detecting intrusions.
C-MSS-70440	10775	<del>A</del> <u>B0</u>	functional	test	unverified		The MSS site Security Management Application Service shall provide the capability to notify designated M&O staff(s) upon the detection of an intrusion.
C-MSS-70450	10776	<del>A</del> <u>B0</u>	functional	test	unverified		The MSS site Security Management Application Service shall have the capability to detect the following types of intrusions: a. Login failures b. Unauthorized access to ECS resources e. <del>Break-in</del>
C-MSS-70460	342	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS site Security Management Application Service shall have the capability of generating a notification within a maximum of five minutes of the detection of an intrusion.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-70800	10696	<a href="#">A</a> <a href="#">B0</a>	functional	test	unverified		MSS Operator Role Management Service shall maintain a file containing a list of allowed roles for a given User Name.
C-MSS-70810	10697	<a href="#">A</a> <a href="#">B0</a>	functional	test	unverified		MSS Operator Role Management Service shall maintain a database containing a list of allowed applications for a given Role.
C-MSS-70820	10698	<a href="#">A</a> <a href="#">B0</a>	functional	test	unverified		MSS Operator Role Management Service shall provide to the ECS desktop a list of ECS applications allowed for the role under which an operator is logged in.
C-MSS-70830	10699	<a href="#">A</a> <a href="#">B0</a>	functional	test	unverified		MSS Operator Role Management Service shall provide to the ECS Login Screen a list of Roles for each corresponding Login Name.
C-MSS-70840	10700	<a href="#">A</a> <a href="#">B0</a>	functional	test	unverified		MSS Operator Role Management Service shall provide an interface for setting the associated roles with each operator's login.
C-MSS-75010	353	<a href="#">A</a> <a href="#">B0</a>	functional	<a href="#">test</a>	<a href="#">unverified</a>		The MSS accountability management service shall be capable of receiving user profile records entered by M&O personnel.
C-MSS-75020	289	<a href="#">A</a> <a href="#">B0</a>	functional	<a href="#">test</a>	<a href="#">unverified</a>		The MSS Accountability Management Service shall create a new user account whenever a new record is added to the user profile database.
C-MSS-75025	5308	<a href="#">A</a> <a href="#">B0</a>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The MSS Accountability Management Service shall be capable of receiving requests for user profile data from ECS applications.
C-MSS-75030	5309	<a href="#">A</a> <a href="#">B0</a>	functional	<a href="#">test</a>	<a href="#">unverified</a>		The MSS Accountability Management Service shall be capable of receiving requests for user profile data from M&O operators.
C-MSS-75035	5310	<a href="#">A</a> <a href="#">B0</a>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The MSS Accountability Management Service shall be capable of sending requested user profile data to ECS applications
C-MSS-75040	5324	<a href="#">A</a> <a href="#">B0</a>	functional	<a href="#">test</a>	<a href="#">unverified</a>		The MSS Accountability Management Service shall be capable of sending requested user profile data to M&O operators.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-75045	5312	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Accountability Management Service shall be capable of receiving requests for the status of a specified data order from M&O operators.
C-MSS-75050	5313	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Accountability Management Service shall be capable of receiving requests for user account history data from M&O operators.
C-MSS-75052	10810	<del>A</del> <u>B0</u>	functional	test	unverified		The MSS shall provide the user with registration approval results when new ECS user accounts are requested.
C-MSS-75055	5314	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>	<u>Release A version of Accountability Management Service</u>	The MSS Accountability Management Service shall be capable of sending requested status of a specified data order to M&O operators.
C-MSS-75057	5315	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>	<u>Release A version of Accountability Management Service</u>	The MSS Accountability Management Service shall be capable of sending requested user account history data to M&O operators.
C-MSS-76000	354	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS accountability management service shall be capable of retrieving user activity data (user id, type of user activity, data items used (browsed, searched, or ordered), and date/time of activity) from records generated by the SDPS Data Server, Data Processing, and Client subsystems.
C-MSS-76005	5316	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Accountability Management Service shall be capable of retrieving user history data for a specified managed resource.
C-MSS-76010	356	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS accountability management service shall be capable of querying <del>via the Management Data Access service</del> user activity data stored in the Management Database.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-76030	10782	A B0	functional	test	unverified		The MSS Accountability Management Service shall be capable of browsing, via the Management Data Access service, logged events, for each ECS host, indicating incoming access attempts via: a. telnet b. FTP c. rlogin d. finger.
C-MSS-76040	303	A B0	functional	<u>test</u>	<u>unverified</u>		The MSS Accountability Management Service shall be capable of reporting audit information to M&O staff via the MUI service.
C-MSS-77040	10783	A B0	functional	test	unverified		The MSS accountability management service shall be capable of accepting queries for the status of a particular ordered data item from M&O operators.
C-MSS-77050	10784	A B0	functional	test	unverified		The MSS accountability management service shall be capable of interfacing with the SDPS subsystems to determine the status of an ordered data item to be: a. Pending b. Operator intervention c. Staging d. Transferring e. Not Found f. Waiting for Shipment g. Shipped
C-MSS-77060	10787	A B0	functional	test	unverified		The MSS accountability management service shall be capable of reporting the requested status of an ordered data item to M&O operators.
C-MSS-77080	379	A B0	functional	<u>test</u>	<u>unverified</u>		The MSS Accountability Management Service shall have the capability to generate reports from collected management data.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-77090	359	<del>A</del> B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		The MSS Accountability Management Service shall have the capability to redirect reports to: a. console b. disk file c. printer
C-MSS-87500	5137	<del>A</del> B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The Physical Configuration Management Service shall be capable of importing floor plans from existing files.
C-MSS-87510	5138	<del>A</del> B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The Physical Configuration Management Service shall provide a graphical interface for adding to and editing the existing floor plan.
C-MSS-87520	5139	<del>A</del> B0	functional	<a href="#">test</a>	<a href="#">unverified</a>		The Physical Configuration Management Service shall be capable, through interfacing with the ECS Management framework, of determining and storing information regarding physical components.
C-MSS-87530	5140	<del>A</del> B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		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
C-MSS-87540	5141	<del>A</del> B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The Physical Configuration Management Service shall have the capability to augment the information obtained from ECS Management framework on each component with additional information.
C-MSS-87550	5142	<del>A</del> B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		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.
C-MSS-87560	5143	<del>A</del> B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The Physical Configuration Management Service shall provide a graphical interface for viewing the physical location of system components on the floor plans.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-87570	5144	A B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The Physical Configuration Management Service shall provide a graphical interface for changing the location of the system components.
C-MSS-87580	5145	A B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		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)
C-MSS-87590	5146	A B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The Physical Configuration Management Service shall be capable of interfacing with the Management Database in order to store and retrieve data.
C-MSS-87600	5147	A B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The Physical Configuration Management Service shall provide a standard set of reports against <del>this</del> <a href="#">the physical system components</a> data.
C-MSS-87610	5148	A B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The Physical Configuration Management Service shall provide the ability to produce custom reports against <del>this</del> <a href="#">the physical system components</a> data.
C-MSS-87630	5150	A B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The Physical Configuration Management Service shall provide the ability to interface with the ECS Management framework to capture status information on each component.
C-MSS-87640	5151	A B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The Physical Configuration Management Service shall provide the ability to display the captured component's status within the graphical interface.
C-MSS-90020	160	A B0	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall support a client-server design paradigm with distributed data allocation.

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-90030	865	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall provide security access control based upon userid, role and privileges for the following: a. database b. database object c. database operations
C-MSS-90060	162	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall provide an SQL interface with query, update, and administrative functions capabilities.
C-MSS-90070	163	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall be in compliance with the SQL-2 of Federal Information Processing System Publication (FIPS PUB) 127-1.
C-MSS-90080	222	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall support mathematical operations to generate statistics from management data to include: a. average b. maximum c. minimum <del>d. standard deviation</del> <del>e. Sum</del> <del>f. count</del> <del>g. variance</del>
C-MSS-90120	873	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall be compatible with the ECS <del>management framework</del> <a href="#">Fault and Performance Management Application Services</a> to support the <del>import of the ECS management framework</del> <a href="#">transfer of management events and</a> data.
C-MSS-90160	166	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall support features in compliance with X/Open environment to include the following: a. Hardware independence b. Operating systems independence c. Network protocols independence

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-90170	167	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall provide the following bulk data load capabilities: a. direct writes from data files to database b. loading of files containing fixed and variable length records c. incremental bulk load d. Maintain indexes during data loads
C-MSS-90180	168	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall provide the following database backup capabilities: a. Entire database b. Incremental data c. User specified database items.
C-MSS-90190	169	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall provide capabilities for specifying frequency, time, and type of backups.
C-MSS-90200	170	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall perform on-line disk management functions to include: a. Relocation of database files to different disks b. Expansion of database size by adding new physical data files to it on-line c. Dynamic pre-allocation of contiguous space for tables d. Database objects and indexes can span physical files e. Database objects and indexes can exist on different disks
C-MSS-90210	171	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall support the following features: a. Data compression of nulls and variable length character strings, and indexes b. Space reclaimed from deleted records automatically c. Variable-length column storage
C-MSS-90230	173	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall provide a transaction roll backward capability to a specified time or state: a. Restore a database b. Restore all or operator selected database objects of any database

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-90240	174	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall provide for automatic database recovery including a means to: <ul style="list-style-type: none"> <li>a. automatically restore undamaged portions of a database and recover work in progress after a system or component failure</li> <li>b. achieve dynamic backout of database modifications, performed by a failing transaction, that does not affect separate, concurrent tasks</li> </ul>
C-MSS-90260	176	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall provide a capability to export, archival, and restore a database.
C-MSS-90280	178	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall provide the capability to issue and record a database checkpoint.
C-MSS-90290	179	<del>A</del> <u>B0</u>	functional	<a href="#">inspection</a>	<a href="#">unverified</a>		The DBMS shall provide an audit trail of chronological activities in the database.
C-MSS-90500	190	<del>A</del> <u>B0</u>	functional	<a href="#">test</a>	<a href="#">unverified</a>		The Report Generator shall be compatible with the DBMS.
C-MSS-90520	164	<del>A</del> <u>B0</u>	functional	<a href="#">test</a>	<a href="#">unverified</a>		The Report Generator shall have the capability to generate ad hoc reports from management data maintained in the DBMS.
C-MSS-90530	177	<del>A</del> <u>B0</u>	functional	<a href="#">test</a>	<a href="#">unverified</a>		The Report Generator shall provide the capability to format reports to include the report: <ul style="list-style-type: none"> <li>a. title</li> <li>b. header</li> <li>c. footer</li> <li>d. page number</li> <li>e. date/time of report</li> </ul>

Table 1. Change Table

L4 id	object key	rel	req_type	ver_method	ver_status	clarification	text
C-MSS-91010	321	<del>A</del> <u>B0</u>	functional	<u>test</u>	<u>unverified</u>		The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data
C-MSS-91012	5319	<del>A</del> <u>B0</u>	functional	<u>inspection</u>	<u>unverified</u>		The MSS Office Automation word processing capability shall be capable of importing from ASCII text and RTF formats.
C-MSS-91015	5320	<del>A</del> <u>B0</u>	functional	<u>inspection</u>	<u>unverified</u>		The MSS Office Automation word processing capability shall be capable of exporting to Postscript, ASCII text, and RTF formats.
C-MSS-91025	5321	<del>A</del> <u>B0</u>	functional	<u>inspection</u>	<u>unverified</u>		The MSS Office Automation spreadsheet capability shall be capable of importing from and exporting to ASCII text and Excel formats.
C-MSS-91030	348	<del>A</del> <u>B0</u>	functional	<u>inspection</u>	<u>unverified</u>		The MSS Office Automation shall provide a graphics capability that enables: a. the development, modification, recording, and printing of graphic images b. the transfer of graphics images to word processing documents, messages, and reports.