

**Table 1: Reference Table**  
**Rel A IMS Requirement Clean\_Up using baseline 07-31-96**  
**This table identifies the relationship between Level\_4 and RBR**  
**This table is for review purposes only**

RBR_id	req_key	req_category	segment	req_type	rbr text	interpretation text	L4 id	req_key	rel	req_type	req_status	ver_method	L4 text
IMS-0040#A	5465	mission critical	SDP S	interface	The IMS shall verify user authorization by validation of inputs with information as supplied by the SMC.		S-CLS-16000	New	A	functional	incremental	demo	The GTWAY shall have the capability to receive User Authentication Information from the ECS Client using V0 system protocols for each service request.
							S-CLS-16010	New	A	functional	incremental	demo	The GTWAY CI shall request user profile information from the MSS based on the authenticator information.
							S-CLS-16030	New	A	functional	incremental	demo	The GTWAY shall log the user into the Distributive Computing Environment (DCE) using user profile information received from MSS.
							S-CLS-13410	2500	A	functional	incremental	demo	The WKBCH CI shall display the results of user validation to the user if user validation is denied. 4.1.2.3 User Sessions
IMS-0060#A	5467	mission critical	SDP S	security	The IMS shall, when creating ECS user accounts, request registration approval, user account priorities, and authorized user services from the SMC.		S-CLS-18070	New	A	functional	incremental	demo	The WKBCH CI shall acquire request registration approval, user account priorities, and authorized user services from the MSS when new ECS users accounts are requested.
IMS-0070#A	5468	mission essential	SDP S	interface	The IMS shall provide the user with initial system access procedures, priority information, and authorized		S-CLS-13440	2494	A	functional	incremental	demo	The WKBCH CI shall provide registered users access to ECS services based on their account priorities and

					services as maintained in the SMC.								authorized user services-
							<u>S-CLS-16040</u>	New	A	<u>functional</u>	<u>incremental</u>	<u>demo</u>	The WKBCH CI shall provide users with initial authorized services.
IMS-0080#A	5469	mission essential	SDPS	security	The IMS shall maintain a list of authorized ECS services for each user and shall update the list with information supplied by the SMC.		C-CSS-21120	587	A	functional	approved	test	The CSS Security service shall provide an API to check the authorization privileges of principals to access/control services/resources.
							C-CSS-21130	588	A	functional	approved	test	The CSS Security Service shall provide an API to define the permission schema associated with a server/resource.
							C-CSS-21140	589	A	functional	approved	test	The CSS Security Service shall provide an API to create and maintain the ACLs associated with the server/resource in a database.
							C-CSS-21150	590	A	functional	approved	_test	The CSS Security Service shall provide an API to save/retrieve the ACL database onto persistent store.
IMS-0085#A	5470	mission essential	SDPS	security	The IMS shall provide unregistered users access to ECS services as authorized by the SMC.		<u>S-CLS-16050</u>	New	A	<u>functional</u>	<u>incremental</u>	<u>demo</u>	The WKBCH CI shall identify unregistered users to ECS as such when performing the DCE login using a DCE login identifier reserved for that purpose by the SMC.
IMS-0090#A	6501	mission essential	SDPS	interface	The IMS shall be accessible to users via, at a minimum: a. Direct connection c. Network link		S-IOS-00730	9846	A	functional	<u>incremental</u>	<u>demo</u>	The ADSRV CI shall allow advertisements of services that can be accessed via the WWW.
							C-ISS-01350	9847	A	interface	<u>incremental</u>	<u>demo</u>	The ISS shall provide a dial-up service via an ISP (Internet Service Provider) so that ECS WWW based services can be accessed by authorized users.

IMS-0100#A	6473	mission essential	SDP S	interface	The IMS shall support, at a minimum: a. Interactive sessions b. Non-interactive remote sessions c. Client-server interface		S-CLS-01510	2748	A	standards	incremental	demo	The WKBCH CI interface to access communications networks shall conform to the ECS style guidelines.
							S-CLS-01625	10053	A	functional	incremental	test	The DESKT CI shall provide the capability to drag and drop desktop objects to perform functions like move, copy and to invoke related applications.
							S-CLS-01627	10055	A	functional	incremental	test	The DESKT CI shall provide a mechanism to save the screen location of all programs it is managing.
							S-CLS-10645	10059	A	functional	incremental	test	The DESKT CI shall support logins by science users who do not have DCE on their workstations, as well as the operators who do have DCE.
							<u>S-CLS-16080</u>	New	A	<u>interface</u>	<u>incremental</u>	<u>demo</u>	<u>The DESKT CI shall provide, but not limited to, prompts, dialog boxes, select lists, and information boxes to support interactive sessions.</u>
							<u>S-CLS-16085</u>	New	A	<u>interface</u>	<u>incremental</u>	<u>demo</u>	<u>The DESKT shall support a client-server interface.</u>
IMS-0120#A	6474	mission essential	SDP S	functional	The IMS shall provide, dependent upon the user's display device capabilities, a user-friendly interface with the following features at a minimum: a. Multiple window display b. Buttons and pull down menus c. Valid lists for all variables d. An information base of associations between variables (e.g., between	<u>Only a,b,f,g,h, j,k are supported in Release A</u>  A: VALID LISTS FOR	S-CLS-01625	10053	A	functional	incremental	test	The DESKT CI shall provide the capability to drag and drop desktop objects to perform functions like move, copy and to invoke related applications.

					<p>-instruments and geophysical parameters)                  f. Context-sensitive help                  g. Minimal and consistent use of non-standard keys                  h. Random movement through fields                  j. Standardized use of commands and terminology across screens                  k. Self-explanatory, meaningful error messages                  l. Automatic acronym expansion, which can be enabled and disabled interactively                  m. Availability of a menu tree diagram                  n. Command language</p>	VARIABLES FOR ASTER PRODUCTS NOT AVAILABLE							
							S-CLS-01627	10055	A	functional	incremental	test	The DESKTOP CI shall provide a mechanism to save the screen location of all programs it is managing.
IMS-0130#A	5475	mission critical	SDPS	security	The IMS shall verify that a user is authorized to access a particular IMS service before providing the service to the user.		S-CLS-13440	2494	A	functional	incremental	demo	The WKBCCH CI shall provide <del>verify</del> registered users access to ECS services based on their account priorities and authorized user services.
							S-DSS-00850	3326	A	functional	approved	demo	The SDSRV CI shall provide the capability to control access to Data Server services.
							S-DSS-00880	3329	A	functional	approved	demo	The SDSRV CI shall use the User Identifier of the user on whose behalf a Service Request is issued as the basis for access control decisions.
IMS-0290#A	5487	mission fulfillment	SDPS	functional	IMS internal data base management queries shall be expressed in a standard query language.		S-DMS-31200	New	A	functional	incremental	demo	The GTWAY CI shall use a standard query language (SQL) for data base management queries.

<p>IMS-0320#A</p>	<p>5489</p>	<p>mission essential</p>	<p>SDP S</p>	<p>functional</p>	<p>Standard Product related metadata shall contain, at a minimum:                      a. Keywords and glossary from investigators                      b. Keywords, synonyms, and glossary for cross-product and cross-directory referencing                      c. Identifiers for locating products in the DADS archive by granule                      d. Documentation on algorithms, including version history, authors, written description of product, equations, and references                      e. Documentation on instrument(s) and spacecraft(s) including history of housekeeping and ancillary parameters, discipline characterization, calibration parameters, key individuals, and references                      f. Identifiers, algorithms, written descriptions, equations, authors, and references associated with static browse products and subsetted, subsampled, and summary data products                      g. Published papers, research results, significant results, and references by author and date                      h. Key organizations and personnel for all product-related DAACs, ADCs, and ODCs                      i. Granule-specific information as listed in Tables C-10 and C-11 in</p>	<p></p>	<p><u>S-IOS-00885</u></p>	<p><u>New</u></p>	<p><u>A</u></p>	<p><u>functional</u></p>	<p><u>approved</u></p>	<p><u>demo</u></p>	<p><u>The ADSRV CI shall support the Release A Core Metadata Model for directory level data.</u></p>
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					Appendix C								
							S-DSS-10075	New	A	functional	approved	demo	The DDSRV CI shall support the Release A Core Meta Data Model for document data.
							S-DSS-04645	New	A	functional	approved	demo	The SDSRV CI shall support the Release A Core Meta Data Model for science data.
IMS-0340#A	5491	mission essential	SDP S	functional	The metadata maintained by the IMS shall contain content-based summary information, including statistical summaries and granule features, for all ECS standard and special products.		S-DSS-04370	9755	A	functional	approved	demo	The SDSRV CI shall have the ability to store product specific Metadata.
							S-DSS-04680	3550	A	functional	approved	demo	The SDSRV CI shall support Inventory searches based on the Product Specific Metadata.
							S-DSS-04690	3551	A	functional	approved	demo	The SDSRV CI shall support Inventory searches based on a combination of the Core Inventory Metadata and Product Specific Metadata.
IMS-0360#A	5495	mission essential	SDP S	interface	The IMS shall maintain or provide access to an on-line Earth Science master directory of information, which may be geographically distributed, that describes whole data sets in the Earth science disciplines.		S-IOS-00030	2797	A	functional	incremental	demo	The <del>ADSRV CI Advertising</del> shall contain and maintain information that describes EOSDIS science data sets and services in addition to external provider data and services.
IMS-0420#A	5500	mission essential	SDP S	functional	The IMS on-line guide (documentation /reference material) shall provide or, where appropriate, contain references to such information as: a. Documentation of	A: as applicable to the data set	S-DSS-03770	3293	A	functional	approved	demo	The SDSRV CI Schema Information shall include for each Data Type the services available for that Data Type.

					<p>processing algorithms used for EOS and other Earth science data products generated by the ECS</p> <p>b. Results of science data quality assessments of EOS data</p> <p>c. Bibliography of published and unpublished literature (as available) derived from the project</p> <p>d. Cross references between differing studies of the same data</p> <p>e. Other documents relevant to quality assessment of EOS data</p> <p>f. Product specifications</p> <p>g. Instrument specifications</p> <p>h. Summaries of data sets derived from observation logs</p> <p>i. Format options available for the given data set</p> <p>j. Subsetting, subsampling, and transformation options available for the given data set</p> <p>k. Inventory search options available for the given data set</p>							
						S-DSS-10090	3585	A	functional	approved	demo	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
						S-DSS-10100	3586	A	functional	approved	demo	The DDSRV CI shall be capable of receiving references to results of science data quality assessments of EOS data

						S-DSS-10110	3587	A	functional	approved	demo	The DDSRV CI shall be capable of receiving bibliography information of published and unpublished literature (as available) derived from the project
						S-DSS-10120	3588	A	functional	approved	demo	The DDSRV CI shall be capable of providing cross references between differing studies of the same data
						S-DSS-10130	3589	A	functional	approved	demo	The DDSRV CI shall be capable of receiving other documents relevant to quality assessment of EOS data
						S-DSS-10140	3590	A	functional	approved	demo	The DDSRV CI shall provide the capability to receive data describing format and media options available for a given data set.
						S-DSS-10150	3591	A	functional	approved	demo	The DDSRV CI shall be capable of receiving instrument <u>and product</u> specifications
						S-DSS-10160	3592	A	functional	approved	demo	The DDSRV CI shall provide the capability to receive summaries of data sets derived from observation logs
						S-DSS-10180	3594	A	functional	approved	demo	The DDSRV CI shall provide the capability to receive data describing subsetting, subsampling, <u>inventory search</u> , and transformation options available for a given data set.
						S-DSS-10250	3610	A	functional	approved	demo	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.
						S-DSS-10241	4924	A	functional	approved	demo	Upon receipt of all supported document formats and

													descriptive data, the DDSRV CI shall provide storage for the document and descriptive data.
IMS-0440#A	5502	mission essential	SDPS	functional	The IMS shall maintain information that describes spacecraft housekeeping and ancillary data parameters stored in the archives.		S-DSS-10210	3603	A	functional	approved	demo	The DDSRV CI shall receive and maintain information that describes spacecraft-housekeeping and Ancillary Data parameters stored in the Science Data Server.
IMS-0455#A	5504	mission essential	SDPS	functional	The IMS shall accept and validate new metadata from the DADS reflecting changes as a result of: b. Transfers c. Unexpected loss d. Restoration of data after recovery from loss		S-DSS-04600	3542	A	functional	approved	demo	The SDSRV CI shall update the Metadata for a data item whenever an unexpected loss occurs, or for restoration of data.
							S-DSS-04610	3543	A	functional	approved	demo	The SDSRV CI shall update the Metadata whenever a data item is updated.
IMS-0460#A	5505	mission fulfillment	SDPS	functional	The IMS shall provide the capability to accept metadata problem reports from users, and inform the PGS quality assurance staff of the problem.		S-CLS-10850	2563	A	functional	incremental	demo	The WKBCH CI shall provide users the capability to submit Metadata problem reports.
							S-DSS 00720	3310	A	functional	approved	demo	The SDSRV CI shall accept Metadata Problem Reports.
							C-MSS-57540	5128	A	functional	approved		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-57600	5133	A	functional	approved		The Trouble Ticketing Service shall allow entry of a trouble ticket by any registered user of the system.
							C-MSS-57630	5136	A	functional	approved		The Trouble Ticketing Service shall provide customization features to

													allow sites to specify notification and escalation rules.
IMS-0500#A	5508	mission essential	SDP S	functional	The IMS shall provide access to information to include at a minimum: a. Metadata b. Spacecraft housekeeping and ancillary data information f. Processing schedules g. Documentation i. Science Processing Library software j. Documentation on data format and metadata standards		S-CLS-10015	9242	A	functional	incremental	demo	The WKBCH CI shall provide the capability for users to compose Directory Searches based on core metadata attributes.
							S-CLS-10750	2561	A	functional	incremental	demo	The WKBCH CI shall provide users a search and results interface to search for and view Inventory information <u>based on core metadata attributes</u> .
							S-CLS-10620	9550	A	functional	incremental	demo	The WKBCH CI shall provide users the capability to view documentation ingested in any of the following document formats: a) PostScript, b) ASCII, c) Hypertext Markup Language (HTML), d) <del>Microsoft Word</del> , e) <del>WordPerfect</del> , f) Adobe Acrobat Portable Document Format (PDF), g) <del>Interleaf</del> .
							S-PLS-00760	10082	A	interface	approved	demo	The PLANG CI shall send electronic copies of the Candidate Plans and corresponding metadata to the designated local Data Server for storage and distribution.
IMS-0510#A	5509	mission critical	SDP S	interface	The IMS shall provide tools for research planning and		S-CLS-01280	9168	A	functional	incremental	demo	The WKBCH CI shall provide a GUI interface to

					data search, to include at a minimum: a. Data acquisition schedules and plans b. The capability to map specified geophysical parameters to the appropriate instrument and/or Standard Product c. Descriptive information on instruments and geophysical parameters available in Standard Products d. Climatology information f. Geographic reference aids g. Spacecraft location projections.							data dictionary associations between attributes (e.g., between instruments and geophysical parameters).
						S-CLS-10015	9242	A	functional	incremental	demo	The WKBCH CI shall provide the capability for users to compose Directory Searches based on core metadata attributes.
						S-CLS-10350	2677	A	functional	incremental	demo	The WKBCH CI shall provide users the option to display a series of Latitude/Longitude pairs as lines, displayed in their proper geolocation on top of all visualizations produced by the WKBCH CI.
						S-CLS-13570	10230	A	functional	incremental	demo	The WKBCH CI shall provide the user the capability to indicate a spatial search criterion by drawing a polygon on a displayed map overlay.
						S-CLS-13710	2581	A	functional	incremental	demo	The WKBCH CI shall provide users the capability to display on a coverage map the geographic coverage of Data Granules.
						S-CLS-13720	2582	A	functional	incremental	demo	Users shall be able to select Data Granules displayed on a

													coverage map for delivery.
IMS-0550#A	5512	mission fulfillment	SDP S	functional	The IMS shall allow a user to locate and identify desired data without detailed knowledge of the ECSs: a. Architecture b. Data Base management system c. Data Base structure d. Query languages e. Data formats		S-CLS-15670	4909	A	functional	incremental	demo	The WKBCH CI shall provide an interface for users to <u>issue data searches and requests using the VO IMS protocol</u> . <del>obtain data products from the VO system.</del>
							S-CLS-10030	2539	A	functional	incremental	demo	The WKBCH CI shall provide graphical aids to assist users in formulating Search Requests.
							S-CLS-10710	2558	A	functional	incremental	demo	The WKBCH CI shall provide the registered user the capability to obtain ECS data and services.
							S-CLS-10720	2559	A	functional	incremental	demo	Registered users shall be able to obtain ECS data and services via their corresponding interfaces in the WKBCH CI, provided that the users are authorized for the specific services and/or data.
							S-CLS-10650	2665	A	functional	incremental	demo	The WKBCH CI shall provide the user the capability to identify Data and services provided by ECS.
							S-CLS-10700	2670	A	functional	incremental	demo	The WKBCH CI shall provide the user the capability to locate non-ECS data and services interoperable with ECS.
							S-CLS-10780	2785	A	functional	incremental	demo	The WKBCH CI shall list Dependent Valid Values to assist users in formulating Search Requests.
							S-DSS-		A	functional	approve	demo	The SDSRV CI shall perform

						00023	3215		onal	d		services specified by Service Requests.
						S-DSS-03030	3432	A	functional	approved	demo	The SDSRV CI shall be capable of receiving Science Software Archive Packages.
						S-DSS-03040	3433	A	functional	approved	demo	The SDSRV CI shall be capable of receiving Metadata associated with Science Software Archive Packages.
						S-DSS-03250	3449	A	functional	approved	demo	The SDSRV CI shall be capable of receiving QA Statistics.
						S-DSS-03260	3450	A	functional	approved	demo	The SDSRV CI shall be capable of receiving Metadata associated with QA Statistics.
						S-DSS-03440	3470	A	interface	approved	demo	The SDSRV CI shall interface with the STMGT CI to provide storage for Science Software Archive Packages.
						S-DSS-03620	3483	A	interface	approved	demo	The SDSRV CI shall interface with the STMGT CI to provide storage for QA Statistics.
						S-DSS-04060	3506	A	interface	approved	demo	The SDSRV CI shall supply Science Software Archive Packages to the DDIST CI.
						S-DSS-04070	3507	A	interface	approved	demo	The SDSRV CI shall supply Metadata associated with Science Software Archive Packages to the DDIST CI.
						S-DSS-04160	3516	A	interface	approved	demo	The SDSRV CI shall supply inventory characteristic data to the DDIST CI.
						S-DSS-04200	3520	A	interface	approved	demo	The SDSRV CI shall supply Production History data to the DDIST CI.
						S-DSS-04210	3521	A	interface	approved	demo	The SDSRV CI shall supply Metadata associated with Production History data to the DDIST CI.
						S-DSS-04240	3524	A	interface	approved	demo	The SDSRV CI shall supply QA Statistics to the DDIST

													CI.
						S-DSS-04250	3525	A	interf ace	approve d	demo	The SDSRV CI shall supply Metadata associated with QA Statistics to the DDIST CI.	
						S-DSS-10060	3582	A	functi onal	approve d	demo	The DDSRV CI shall provide access to the ECS guide (documentation/reference material) and guide services.	
						S-DSS-00020	9449	I R 1	functi onal	approve d	demo	The SDSRV CI shall accept Service Requests from clients.	
						S-DSS-03170	9728	A	functi onal	approve d	demo	The SDSRV CI shall be capable of receiving validated Inventory Data.	
						S-DSS-03366	9733	A	interf ace	approve d	test	The SDSRV CI shall be capable of receiving inventory characteristic data.	
						S-DSS-03450	9737	A	functi onal	approve d	demo	The SDSRV CI shall provide storage for Metadata associated with Science Software Archive Packages.	
						S-DSS-03540	9741	A	functi onal	approve d	demo	The SDSRV CI shall provide storage for inventory characteristic data.	
						S-DSS-03580	9743	A	interf ace	approve d	demo	The SDSRV CI shall interface with the STMGT CI to provide storage for Production History.	
						S-DSS-03630	9744	A	functi onal	approve d	demo	The SDSRV CI shall provide storage for Metadata associated with QA Statistics.	
						S-DSS-03210	9833	A	interf ace	approve d	demo	The SDSRV CI shall be capable of receiving Production History and its associated metadata.	
						S-CLS-10642	10057	A	functi onal	increme ntal	test	The DESKT CI shall provide an easy way for an unregistered user to find out how to register through Help.	
						C-CSS-46000	10159	A	functi onal	approve d	test	The UR mechanism shall allow clients to access ECS object instances, without	

												actually having the instance by providing each object instance with it's own UR.
						C-CSS-46010	10160	A	functional	approved	test	The UR mechanism shall support location independence of the object instance
						C-CSS-46020	10161	A	functional	approved	test	The UR mechanism shall support protocol/technology independence.
						C-CSS-46030	10162	A	functional	approved	test	The UR mechanism shall support multiple redundant instances for a UR.
						C-CSS-46040	10163	A	functional	approved	test	The UR mechanism shall provide a way for an external entity, like a person, or an office automation package, to transport the mechanism.
						C-CSS-46050	10164	A	functional	approved	test	The UR mechanism shall provide some human readable information about the object in the external representation.
						C-CSS-46060	10165	A	functional	approved	test	The UR mechanism shall make sure that the external representation is validated so that erroneous ECS object instance are not created.
						C-CSS-46070	10166	A	functional	approved	test	The UR mechanism shall support clients knowing UR type and clients learning UR type.
						C-CSS-46080	10167	A	functional	approved	test	The UR mechanism shall allow a client to have a UR for an encapsulated abstract base class.
						C-CSS-46090	10168	A	functional	approved	test	The UR mechanism shall allow additional concrete specializations of abstract base class to be added without client modification.
IMS-0620#A	5519	mission essential	SDPS	interface	The IMS shall provide access to inventories of selected ODCs and ADCs	S-CLS-15650	4908	A	functional	incremental	demo	The WKBCH CI shall provide an interface for users to obtain data products from

					via level II and level III catalog interoperability as specified in ICDs.								the NOAA SAA.
						S-CLS-15610	2597	A	functional	incremental	demo		The WKBCH CI shall have the capability to send Requests for Guide data to the NOAA SAAs.
						S-CLS-15620	2598	A	functional	incremental	test		The WKBCH CI shall have the capability to receive Guide Request Results from the NOAA SAAs.
						S-CLS-10015	2819	A	functional	incremental	demo		The WKBCH CI shall provide the capability for users to compose Directory Searches based on core metadata attributes.
						<u>S-CLS-16990</u>	New	A	<u>functional</u>	<u>incremental</u>	demo		<u>The WKBCH CI shall provide a capability for users to send inventory search request to the NOAA SAA.</u>
						<u>S-CLS-17000</u>	New	A	<u>functional</u>	<u>incremental</u>	demo		<u>The WKBCH CI shall provide a capability for users to receive inventory search results from the NOAA SAA.</u>
						<u>S-CLS-17010</u>	New	A	<u>functional</u>	<u>incremental</u>	demo		<u>The WKBCH CI shall provide a capability for users to send directory search request to the NOAA SAA.</u>
						<u>S-CLS-17020</u>	New	A	<u>functional</u>	<u>incremental</u>	demo		<u>The WKBCH CI shall provide a capability for users to receive directory search results from the NOAA SAA.</u>
						<u>S-CLS-17030</u>	New	A	<u>functional</u>	<u>incremental</u>	demo		<u>The WKBCH CI shall provide a capability for users to send request for browse products to the NOAA SAA.</u>
						<u>S-CLS-17040</u>	New	A	<u>functional</u>	<u>incremental</u>	demo		<u>The WKBCH CI shall provide a capability for users to receive browse results from the NOAA SAA.</u>

							S-CLS-17050	New	A	functional	incremental	demo	The WKBCH CI shall have the capability to send Product Requests to the NOAA SAA.
							S-CLS-15730	4917	A	functional	incremental	demo	Data requests to NOAA SAA the shall specify data distribution directly to the NOAA SAA user or to a specified destination.
							S-IOS-00080	2801		functional	incremental	demo	The ADSRV CI shall provide a capability to access Advertisements for ECS and non-ECS data and services.
IMS-0625#A	5520	mission fulfillment	SDP S	interface	The IMS shall provide bi-directional interoperability between ECS and V0 for access to the inventory metadata, guide information, and browse products via level III catalog interoperability as specified in ICDs.	A: V0 2-way interoperability	S-DMS-30360	3142	A	functional	incremental	demo	The GTWAY CI shall have the capability to receive Inventory Search Requests from the Version 0 IMS using Version 0 system protocols.
							S-DMS-30368	Previous ccr	A	functional	incremental	demo	The GTWAY CI shall have the capability to process V0 Inventory Search Requests.
							S-DMS-30370	3143	A	functional	incremental	demo	The GTWAY CI shall have the capability to send Inventory Search Results to the ECS Client using Version 0 system protocols.
							S-DMS-30361	Previous ccr	A	functional	incremental	demo	The GTWAY CI shall have the capability to send Directory Search Requests <u>results</u> to the ECS Client using Version 0 system protocols
							S-DMS-30365	Previous ccr	A	functional	incremental	demo	The GTWAY CI shall have the capability to receive Directory Search Requests from the ECS Client using Version 0 system protocols.
							S-DMS-	Previous	A	functional	incremental	demo	The GTWAY CI shall have the capability to process V0

						30369	ccr					Directory Search Requests.
						S-DMS-30384	Previous ccr	A	functional	incremental	demo	The GTWAY CI shall have the capability to process V0 Browse Requests.
						S-DMS-30388	Previous ccr	A	functional	incremental	demo	The GTWAY CI shall have the capability to send Browse Search Requests Results to the ECS Client using Version 0 system protocols.
						S-DMS-30400	3145	A	functional	incremental	demo	The GTWAY CI shall have the capability to receive Product Requests from the ECS Client using Version 0 system protocols.
						S-CLS-18000	New	A	functional	incremental	demo	The WKBCH CI shall have the capability to send <u>Inventory Search Requests using Version 0 system protocols.</u>
						S-CLS-18010	New	A	functional	incremental	demo	The WKBCH CI shall have the capability to receive <u>Inventory Search Request Results using Version 0 system protocols.</u>
						S-CLS-18020	New	A	functional	incremental	demo	The WKBCH CI shall have the capability to send <u>Directory Search Requests using Version 0 system protocols.</u>
						S-CLS-18030	New	A	functional	incremental	demo	The WKBCH CI shall have the capability to receive <u>Directory Search Requests results using Version 0 system protocols</u>
						S-CLS-18040	New	A	functional	incremental	demo	The WKBCH CI shall have the capability to send <u>Browse Search Requests using Version 0 system protocols.</u>
						S-CLS-18045	New	A	functional	incremental	demo	The WKBCH CI shall have the capability to receive

													Browse Search Requests Results using Version 0 system protocols.
						S-CLS-18050	New	A	functional	incremental	demo		The WKBCH CI shall have the capability to send Product Requests using Version 0 system protocols.
						S-IOS-00080	2801		functional	incremental	demo		The ADSRV CI shall provide a capability to access Advertisements for ECS and non-ECS data and services
IMS-0630#A	5521	mission essential	SDP S	functional	The IMS shall provide the capability to select metadata for retrieval by: a. Boolean operators b. Relational operators c. Attribute values d. Search strings e. Combinations thereof	S-CLS-17060	New	A	functional	incremental	demo		The WKBCH CI shall support the selection of metadata using “and” and “or” boolean operators
						S-CLS-17070	New	A	functional	incremental	demo		The WKBCH CI shall support the selection of metadata using relational operators for spatial and temporal search parameters.
IMS-0665#A	6479	mission essential	SDP S	functional	The IMS shall provide informational messages to indicate that a query is being executed, and shall provide the capability for the user to abort any time-intensive operations.	S-CLS-17080	New	A	functional	incremental	demo		The WKBCH CI shall provide the capability to abort any time-intensive operations.
						S-CLS-17085	New	A	functional	incremental	demo		The GTWAY CI shall provide the capability to receive Abort requests from the ECS Client using Version 0 system protocols.
IMS-0740#A	6481	mission essential	SDP S	functional	The IMS shall provide the capability for users to generate and update requests for	A: Standard products, S/C	S-DSS-01630	3410	A	functional	approved	demo	The SDSRV CI shall provide the capability to notify a subscriber of QA changes.

					one-time orders or standing orders for the DADS to distribute DADS archive holdings to include, at a minimum, Standard Products, Standard Product software, spacecraft housekeeping and ancillary data.	housekeeping and Ancillary data							
							S-DSS-01640	3411	A	functional	approved	demo	The SDSRV CI shall provide the capability to notify a subscriber on individual data granule basis.
							S-CLS-10960	9582	A	functional	incremental	demo	The WKBCH CI shall provide the capability for users to generate orders for ECS data to be distributed on a one-time basis.
							C-CSS-40140	10148	A	functional	approved	test	The Subscription Service shall provide the capability for Subscriptions to notify users via email or directly to a program interface.
							S-DSS-00220	3246	A	functional	approved	demo	The SDSRV CI shall provide operations staff the capability to cancel any Service Request.
							S-DSS-01060	3353	A	functional	approved	demo	The SDSRV CI shall send a Notification to a client that issued a Data Request once the Data Product has been produced or when the STMGT CI has made the Data available.
IMS-0760#A	5530	mission essential	SDP	security	The IMS shall access distribution criteria for each data product and data product software and compare the distribution criteria to the requester's data access rights to verify that the data and software can be		S-IOS-00020	2796	A	functional	incremental	demo	The ADSRV CI shall support interactive information management capabilities for authorized personnel to administer advertising data.

					distributed as requested.								
						S-IOS-00040	2798	A	functional	incremental	demo	The ADSRV CI shall use the identification of the user on whose behalf a Service Request is issued as the basis for access control decisions.	
						S-IOS-00050	2799	A	functional	incremental	demo	Advertising accesses to data shall be subject to access controls of read, write, update and delete, singly or in combination, based on user privileges.	
						S-IOS-00120	2824	A	functional	incremental	demo	The ADSRV CI shall support an administration utility for administration of access control.	
						S-IOS-00390	2833	A	functional	incremental	demo	Advertising data accesses shall be subject to access controls of read, write, update and delete, singly or in combination, based on data types.	
						S-IOS-00400	2834	A	functional	incremental	demo	Advertising data accesses shall be subject to access controls of read, write, update and delete, singly or in combination, based on data ownership.	
						S-IOS-00410	2835	A	functional	incremental	demo	The capability to add, delete, or modify individual advertising data and service listings shall be limited to authorized users.	
						S-DSS-00850	3326	A	functional	approved	demo	The SDSRV CI shall provide the capability to control access to Data Server services.	
						S-DSS-00860	3327	A	functional	approved	demo	The SDSRV CI shall inform a client that a requested service is not accessible if the client attempts to access services outside their access level.	

						S-DSS-00870	3328	A	functional	approved	demo	The SDSRV CI shall allow Data Access Privileges to be configurable by User Identifier and Data Type for read, write, update, delete, and any combination thereof.
						S-DSS-00880	3329	A	functional	approved	demo	The SDSRV CI shall use the User Identifier of the user on whose behalf a Service Request is issued as the basis for access control decisions.
						S-DSS-00950	3339	A	functional	approved	demo	The SDSRV CI shall support the processing of Data Requests subject to access controls of read, write, update and delete, singly or in a any combination, based on data types.
						S-DSS-00960	3340	A	functional	approved	demo	The SDSRV CI shall support the processing of Data Requests subject to access controls of read, write, update and delete, singly or in a any combination, based on data ownership.
						S-DSS-30030	9144	A	functional	approved	demo	The DDIST CI shall validate each Electronic Distribution Request and verify that the format conforms to that specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
						S-DSS-30060	9145	A	functional	approved	demo	The DDIST CI shall validate each Media Distribution Request and verify that it conforms to the format specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of

													the current version of 304-CD-005 for Release B.
IMS-0780#A	5531	mission essential	SDP S	interface	The IMS shall accept and validate from the ECS users, IPs, ADCs, and ODCs requests for ECS archival data products.		S-CLS-10990	2610	A	functional	incremental	demo	The WKBCH CI shall provide users the capability to specify the content of Data Requests.
							S-CLS-15740	4918	A	functional	incremental	demo	The WKBCH CI shall restrict users' access to data and services for which the users lack sufficient privileges.
							S-DSS-00025	3216	A	functional	approved	demo	The SDSRV CI shall insure that each Service Request includes a User Identifier, a Request Priority, and all other parameters required for that request.
IMS-0810#A	5533	mission essential	SDP S	functional	The IMS shall prepare, for output to the DADS, product orders to retrieve specified data from the archive and distribute it, which contains the following information at a minimum: a. Requester identification b. Data type c. Data set identifier e. Data formats f. Distribution instructions, including media requirements g. Request priority h. Suggested earliest start time i. Suggested latest completion time		S-CLS-10990	2610	A	functional	incremental	demo	The WKBCH CI shall provide users the capability to specify the content of <del>Data</del> <u>Product Requests which shall contain the Requester Identification, Dataset identifier, Distribution instructions, and media requirements.</u>
							S-DMS-30400	3145	A	functional	incremental	demo	The GTWAY CI shall have the capability to receive Product Requests from the ECS Client using Version 0 system protocols.
							S-DMS-	<u>New</u>	<u>A</u>	<u>functional</u>	<u>incremental</u>	<u>demo</u>	The GTWAY CI shall have the capability to insert the

							<u>31220</u>						<u>request priority in the inventory search request.</u>
IMS-0860#A	5536	mission essential	SDP S	interface	The IMS shall provide an interface to ADC and ODC data systems and archives that produce, process, and/or maintain Earth science data sets and that have agreed to make the information and services available to ECS.	A: 1-way NOAA interoperability	S-CLS-15610	2597	A	interface	incremental	demo	The WKBCH CI shall have the capability to send Requests for Guide data to the NOAA SAAs.
							S-CLS-15620	2598	A	functional	incremental	test	The WKBCH CI shall have the capability to receive Guide Request Results from the NOAA SAAs.
							<u>S-CLS-16990</u>	<u>New</u>	<u>A</u>	<u>functional</u>	<u>incremental</u>	demo	<u>The WKBCH CI shall provide a capability for users to send inventory search request to the NOAA SAA.</u>
							<u>S-CLS-17000</u>	<u>New</u>	<u>A</u>	<u>functional</u>	<u>incremental</u>	demo	<u>The WKBCH CI shall provide a capability for users to receive inventory search results from the NOAA SAA.</u>
							<u>S-CLS-17010</u>	<u>New</u>	<u>A</u>	<u>functional</u>	<u>incremental</u>	demo	<u>The WKBCH CI shall provide a capability for users to send directory search request to the NOAA SAA.</u>
							<u>S-CLS-17020</u>	<u>New</u>	<u>A</u>	<u>functional</u>	<u>incremental</u>	demo	<u>The WKBCH CI shall provide a capability for users to receive directory search results from the NOAA SAA.</u>
							<u>S-CLS-17030</u>	<u>New</u>	<u>A</u>	<u>functional</u>	<u>incremental</u>	demo	<u>The WKBCH CI shall provide a capability for users to send request for browse products to the NOAA SAA.</u>
							<u>S-CLS-17040</u>	<u>New</u>	<u>A</u>	<u>functional</u>	<u>incremental</u>	demo	<u>The WKBCH CI shall provide a capability for users to receive browse results from the NOAA SAA.</u>
							<u>S-CLS-17050</u>	<u>New</u>	<u>A</u>	<u>functional</u>	<u>incremental</u>	demo	<u>The WKBCH CI shall have the capability to send Product</u>

													<u>Requests to the NOAA SAA.</u>
							S-CLS-15730	4917	A	<u>functional</u>	incremental	demo	Data requests to NOAA SAA the shall specify data distribution directly to the NOAA SAA user or to a specified destination.
							S-CLS-10015	2819	A	functional	incremental	demo	The WKBCH CI shall provide the capability for users to compose Directory Searches based on core metadata attributes.
							S-CLS-15630	2599	A	interface	incremental	demo	The WKBCH CI shall have the capability to send Requests for Guide data to the ESDIS V0 IMS.
							S-CLS-15640	2600	A	interface	incremental	demo	The WKBCH CI shall have the capability to send Requests for Guide data to the ESDIS V0 IMS.
							S-IOS-00080	2801		functional	incremental	demo	The ADSRV CI shall provide a capability to access Advertisements for ECS and non-ECS data and services.
IMS-0870#A	5537	mission essential	SDP S	security	The IMS shall provide access in accordance with MOUs to ADC and ODC data that b. Is stored by ADC and ODC archives and requested by EOSDIS users c. Is required as ancillary data for production processing		S-DMS-30540	3133	A	functional	incremental	demo	The GTWAY CI shall provide the capability to translate Version 0 system protocol into ECS system protocols.
							S-CLS-15610	2597	A	functional	incremental	demo	The WKBCH CI shall have the capability to send Requests for Guide data to the NOAA SAAs.
							S-CLS-15620	2598	A	functional	incremental	demo	The WKBCH CI shall have the capability to receive Guide Request Results from the NOAA SAAs.
							<u>S-CLS-16990</u>	<u>New</u>	<u>A</u>	<u>functional</u>	<u>incremental</u>	<u>demo</u>	<u>The WKBCH CI shall provide a capability for users</u>

													to send inventory search request to the NOAA SAA.
						S-CLS-17000	New	A	functional	incremental	demo		The WKBCH CI shall provide a capability for users to receive inventory search results from the NOAA SAA.
						S-CLS-17010	New	A	functional	incremental	demo		The WKBCH CI shall provide a capability for users to send directory search request to the NOAA SAA.
						S-CLS-17020	New	A	functional	incremental	demo		The WKBCH CI shall provide a capability for users to receive directory search results from the NOAA SAA.
						S-CLS-17030	New	A	functional	incremental	demo		The WKBCH CI shall provide a capability for users to send request for browse products to the NOAA SAA.
						S-CLS-17040	New	A	functional	incremental	demo		The WKBCH CI shall provide a capability for users to receive browse results from the NOAA SAA.
						S-CLS-17050	New	A	functional	incremental	demo		The WKBCH CI shall have the capability to send Product Requests to the NOAA SAA.
						S-CLS-15730	4917	A	interface	incremental	test		Data requests to NOAA SAA shall specify data distribution directly to the NOAA SAA user or to a specified destination.
IMS-0880#A	6949	mission essential	SDP S	interface	The IMS shall provide an interface to the ADC and ODC archives for ordering data to be delivered directly to the user or to a DADS.	S-DMS-30540	3133	A	functional	incremental	demo		The GTWAY CI shall provide the capability to translate Version 0 system protocol into ECS system protocols.
						S-CLS-15650	4908	A	functional	incremental	demo		The WKBCH CI shall provide an interface for users to obtain data products from the NOAA SAA.
						S-CLS-	4917	A	functional	incremental	demo		Data requests to NOAA SAA

						15730			<u>onal</u>	ntal		the shall specify data distribution directly to the NOAA SAA user or to a specified destination.
IMS-0915#A	5541	mission essential	SDP S	interf ace	The IMS shall provide an interface to the Version 0 system for ordering data products to be delivered directly to the user, or as specified in ICDs.	S-CLS-15670	4909	A	functi onal	increme ntal	demo	The WKBCH CI shall provide an interface for users to <u>issue data searches and requests using the VO IMS protocol.</u> <del>obtain data products from the VO system.</del>