

Table I. DMS DDICT CI Level 4 requirement modifications.

L4 id	req_key	rel	req_type	req_status	ver_method	ver_status	text
S-DMS-20005	12321 12431	B1	functional	incremental	test	unverified	The DDICT CI shall provide access to <u>Data Definitions of Data Dictionary entries</u> with the following information at a minimum : a._Earth Science Data Types and services <u>Data Collection</u> descriptions b._core metadata attribute definitions c._valid values d._synonyms for valid values e._product specific metadata
S-DMS-20006	9561 12432	B1	functional	<u>incremental</u>	test	unverified	The DDICT CI shall store a mapping of geophysical parameters to the appropriate instruments and collections.
S-DMS-20010	9569 12433	<u>B0</u> <u>B1</u>	functional	<u>incremental</u>	test	unverified	The DDICT CI shall store a conceptual schema of the data held in the SDSRV, LIMGR, and DIMGR, and GTWAY to hide the underlying database structure from the end user.
S-DMS-20030	8508 12434	B1	functional	incremental	test	unverified	The DDICT CI shall provide the capability to view data dictionary entries based on the <u>Earth Science Data Types Data Collections</u> accessible by an instance of the Data Server.
S-DMS-20040	8509 12435	<u>B0</u> <u>B1</u>	functional	incremental	test	unverified	The DDICT CI shall provide the capability to view data dictionary entries based on the <u>Earth Science Data Types Data Collections</u> accessible by an instance of the LIM
S-DMS-	8510	B0	functional	incremental	test	unverified	The DDICT CI shall provide the

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20050	12436	B1					capability to view data dictionary entries based on the Earth Science Data Types Data Collections accessible by an instance of the DIM.
S-DMS-20060	8511 12437	B0 B1	functional	incremental	test	unverified	The DDICT CI shall provide the capability to define a global view of data dictionary entries based on the Earth Science Data Types Data Collections accessible by the ECS
S-DMS-20080	8513 12438	B0 B1	functional	incremental	test	unverified	The DDICT CI shall provide allow consistent view of data dictionary entries based on the value given for an attribute. only one definition of an ECS core metadata attribute that will be used by all data dictionary entries.
S-DMS-20090	12322 12439	B1	functional	incremental	test	unverified	The DDICT CI shall provide the capability to define data dictionary contexts- retrieve data dictionary entries based on science disciplines, site, and instrument.
S-DMS-20110	12323 12440	B1	functional	incremental	test	unverified	The DDICT CI shall provide the capability to define a global data dictionary context including all data dictionary entries.
S-DMS-20130	9597 12441	B1	functional	incremental	test	unverified	The DDICT CI shall have the capability to accept from the Workbench CI data dictionary search requests consisting of any combination of the following: Earth Science Data Types Data Collections, Core

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							<p>Metadata attribute, and Product Specific Metadata in a format compatible with the Earth Science Query Language. <u>attribute domains and definitions.</u></p>
S-DMS-20140	42325 12442	B1	interface	incremental	test	unverified	<p>The DDICT CI shall have the capability to send to the Workbench CI:</p> <ul style="list-style-type: none">a._Earth Science data type descriptionsb._core metadata attribute definitions, domains and synonymsc._product specific metadata attribute definitions, domains and synonyms. <p>The DDICT CI shall send the results of a search to the originator.</p>
S-DMS-20160	8519 12443	B1	interface	incremental	test	unverified	<p>The DDICT CI shall have the capability to accept from the SDSRV CI Data Server, Export Files, for the purposes of defining new or updated data dictionary entries</p>
S-DMS-20170	8520 12444	B1	interface	incremental	test	unverified	<p>The DDICT CI shall have the capability to accept from the LIM CI, Export Files, for the purposes of defining new or updated data dictionary entries</p> <p><u>The DDICT CI shall accept, from the LIMGR CI, requests to update mapping of Data Collections to information</u></p>

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S-DMS-20180	8521 12445	B1	interface	incremental	test	unverified	managers. The DDICT CI shall have the capability to accept from the DIM CI, Export Files, for the purposes of defining new or updated data dictionary entries. The DDICT CI shall accept, from the DIMGR CI, requests to update mapping of Data Collections to information managers.
S-DMS-20240	8527 12446	B0 B1	functional	incremental	test	unverified	The DDICT CI shall provide a capability to decompose the Search Requests it receives into executable data base Queries.
S-DMS-20270	8530 12447	B0	functional	incremental	test	unverified	The DDICT CI shall support provide an a database administration utility for performance monitoring of Service Requests processing.
S-DMS-20280	8531 12448	B0	functional	incremental	test	unverified	The DDICT CI shall support provide an a database administration utility for performance tuning.
S-DMS-20290	8532 12449	B0	functional	incremental	test	unverified	The DDICT CI shall support provide an a database administration utility for administration of access control, on-line, full backup of Data Dictionary service data.
S-DMS-20300	8533	B0	functional	incremental	test	unverified	The DDICT CI shall support provide an a database administration utility for on-line, full backup of the Data Dictionary service database.

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S-DMS-20310	8534	B0	functional	incremental	test	unverified	The DDICT CI shall support <u>provide an a database</u> administration utility for on-line incremental backup of <u>the Data Dictionary service database</u> .
S-DMS-20320	8535	B0	functional	incremental	test	unverified	The DDICT CI shall support <u>provide an a database</u> administration utility for manual recovery of Data Dictionary data from system and media failures.
S-DMS-20330	8536	B0	functional	incremental	test	unverified	The DDICT CI shall support <u>provide an a database</u> administration utility for automatic recovery of DDICT CI data from system failures.
S-DMS-20340	8537	B0	functional	incremental	test	unverified	The DDICT CI shall support <u>provide a database</u> administration utility for data import.
S-DMS-20350	8538	B0	functional	incremental	test	unverified	The DDICT CI shall support <u>provide a database</u> administration utility for data export.
S-DMS-20610	8548	<u>B0</u> <u>B1</u>	functional	incremental	test	unverified	The DDICT CI shall maintain a log of all insertions, updates and deletions of data dictionary entries.
S-DMS-20630	12327	B1	functional	incremental	test	unverified	The DDICT CI shall provide Standard Product related Metadata at the DDICT CI shall <u>which will</u> include of keywords, synonyms, and glossary for cross-product and cross-directory referencing.

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S-DMS-20660	9634	B0 <u>B1</u>	interface	incremental	test	unverified	The DDICT CI shall collect Security Management Data (such as rejected access to a service) and provide it to the MSS.
S-DMS-20670	8553	B0	functional	incremental	test	unverified	The DDICT CI shall establish access controls of read, write, update and delete, singly or in combination, based on data types collections.
S-DMS-20830	9620	B0 <u>B1</u>	interface	incremental	test	unverified	The DDICT CI shall provide configuration management data such as software versions to the MSS using the managed process framework.
S-DMS-20840	9610	B0 <u>B1</u>	interface	incremental	test	unverified	The DDICT CI shall report Accountability Management Data (requests such as searches, browse requests, orders) to the MSS.
S-DMS-20860	12329	B1	interface	incremental	test	unverified	The DDICT CI shall provide to MSS configuration information such as number of expected daily sessions, which will be used by MSS to compare plans to actuals (i.e. schedule management).
S-DMS-20865	9685	B0 <u>B1</u>	interface	<u>incremental</u>	test	unverified	The DDICT CI shall log to for MSS the initiation of all Service requests received by the DDICT CI.
S-DMS-20866	9687	B0 <u>B1</u>	interface	<u>incremental</u>	test	unverified	The DDICT CI shall log the startup of the DDICT servers to for MSS.
S-DMS-	9689	B0	interface	<u>incremental</u>	test	unverified	The DDICT CI shall log the

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20867		B1					shutdown of the DDICT servers to <u>for</u> MSS.
S-DMS-20868	9691	B0 B1	interface	<u>incremental</u>	test	unverified	The DDICT CI shall log to <u>for</u> MSS when a service request is activated from the queue.
S-DMS-20869	9693	B0 B1	interface	<u>incremental</u>	test	unverified	The DDICT CI shall log to <u>for</u> MSS when a request has been successfully completed and the status is about to be returned to the client.
S-DMS-20870	9695	B0 B1	interface	<u>incremental</u>	test	unverified	The DDICT CI shall log to <u>for</u> MSS the initiation of a <u>DDICT CI</u> session.
S-DMS-20871	9698	B1	interface	<u>incremental</u>	test	unverified	The DDICT CI shall log to <u>for</u> MSS the suspension of a session.
S-DMS-20872	9699	B1	interface	<u>incremental</u>	test	unverified	The DDICT CI shall log to <u>for</u> MSS the resumption of a previously suspended session.
S-DMS-20873	9700	B0 B1	interface	<u>incremental</u>	test	unverified	The DDICT CI shall log to <u>for</u> MSS the termination of a session.
S-DMS-20890	8573	B0	functional	incremental	test	unverified	The DDICT CI shall provide <u>maintaine</u> <u>maintain</u> Valid Values for data elements, where the data element has an enumerated set of values as a constraint.
S-DMS-20910	8575	B0	functional	incremental	test	unverified	The DDICT CI shall provide access to <u>for authorized users</u> to the lists of the Valid Values for data elements, where the data element has an enumerated set of values as a constraint
S-DMS-20920	9560	B1	functional	incremental	demo	unverified	The DDICT CI shall provide the capability to relate

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							Phenomenological Search Criteria to Search Criteria containing values for searchable attributes supported in the Data Server Schema.
S-DMS-20930	8576	B0	interface	incremental	test	unverified	The DDICT CI shall have the capability to export Dependent Valid Values to the ESDIS IMS V0 and ASTER systems.