

Reference Table: Providing information for reviewers

RbR_id	text	paragraph_id	req_type	rel	interpretation-text	text
IMS-0650#B	<p>The IMS shall query non-geographic metadata by any of the following criteria at a minimum:</p> <ul style="list-style-type: none"> a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range g.f. Min/max range search g. <u>And combinations of the above with Logical and Boolean operators.</u> h. Any combination of the above 	S-CLS-10780	functional	A	<p>There was a mistake made in the F&PRS. GSFC has been notified. It appears as though item f. replaced the original item f. This is not the case item f. WRS is and additional item and becomes item g.</p>	<p>The WKBCH CI shall list Dependent Valid Values to assist users in formulating Search Requests.</p>
		S-CLS-10130	functional	B		<p>The WKBCH CI shall provide users the capability to use boolean operators to relate query parameters for geographic and non-geographic Metadata.</p>
		S-CLS-10170	functional	B		<p>The WKBCH CI shall support min/max range Search Criteria for query of numerical non-geographic Metadata.</p>
		S-CLS-10180	functional	B		<p>The WKBCH CI shall support any combination of exact word match, exact phrase match, character set, wildcard, character range, logical and boolean operator, and min/max range Search Criteria for query of non-geographic Metadata.</p>
		S-CLS-10110	functional	A		<p>The WKBCH CI shall support an exact word matching criteria for query of alpha-numeric non-geographic Metadata.</p>
		S-DMS-10765	functional	B		<p>The DIMGR CI shall accept searches in the Earth Science Query Language.</p>
		S-CLS-10140	functional	B		<p>The WKBCH CI shall support wildcard construct (prefix, embedded, suffix) matching criteria for query of alpha-numeric non-geographic Metadata.</p>
		S-CLS-10150	functional	B		<p>The WKBCH CI shall support character range matching criteria for query of alpha-numeric non-geographic Metadata.</p>
		S-DMS-10771	functional	B		<p>The Earth Science Query Language shall support the specification of search expressions using the attribute names and exact word matches for string attributes associated with non-geographic metadata.</p>
		S-CLS-10160	functional	B		<p>The WKBCH CI shall support logical and boolean operators matching criteria for query of alpha-numeric non-geographic</p>

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						Metadata.
		S-DMS-10772	functional	B		The Earth Science Query Language shall support the specification of search expressions using the attribute names and phrase matches for string attributes associated with non-geographic
		S-DMS-10773	functional	B		metadata. The Earth Science Query Language shall support the specification of search expressions using the attribute names and character sets for string attributes associated with non-geographic metadata.
		S-DMS-10774	functional	B		The Earth Science Query Language shall support the specification of search expressions using the attribute names and wildcard constructs for string attributes associated with non-geographic
		S-DMS-10775	functional	B		metadata. The Earth Science Query Language shall support the specification of search expressions using the attribute names and character ranges for string attributes associated with non-geographic
		S-DMS-10776	functional	B		metadata. The Earth Science Query Language shall support the specification of search expressions using the attribute names and minimum and maximum range for numeric and date/time attributes associated with non-geographic metadata.
		S-DMS-00020	functional	B		The LIMGR CI shall accept Search Requests in a format compatible with the Earth Science Query Language.
		S-CLS-10120	functional	A		The WKBCH CI shall support character set (string) matching criteria for query of alpha-numeric non-geographic Metadata.
		S-DMS-20130	functional	B		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, Core Metadata attribute, and Product Specific Metadata in a format compatible with the Earth Science Query Language.
		S-CLS-10175		B		The WKBCH CI shall support SQL syntax for queries on Advertising.
		S-CLS-10190	functional	B		The WKBCH CI shall provide the capability for users to compose searches across multiple data sets for coincident occurrences of data in space, time, or any other searchable core Metadata
		S-CLS-10100	functional	A		attributes). The WKBCH CI shall support phrase matching criteria for query of alpha-numeric non-geographic guide Metadata.
		S-IOS-00690	functional	B		The ADSRV CI shall accept Search Requests in a format compatible with the Earth Science Query Language.
IMS-0640#B	The IMS shall provide the capability to query geographic metadata by any of the following criteria at a minimum:	S-CLS-10050	functional	A		The WKBCH CI shall support query of geographic Metadata by data element content criteria specified in Metadata.

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	<p>a. Geographic reference</p> <p>b. Data element content (as specified in metadata)</p> <p>c. Minimum bounding rectangle</p> <p>d. Point and radius</p> <p>e. Polygon</p> <p>f. Geographic name (based on a standard data base, such as USGS Geographic Names Information System)</p> <p>g. WRS</p> <p>h. <u>Any combination of the above</u> <u>Any combination that allows for specification of multiple, distinct geographic areas.</u></p>					
		S-CLS-10070	functional	B		The WKBCH CI shall support point-and-radius criteria for query of geographic Metadata by text and graphical input.
		S-CLS-10075	functional	B		The WKBCH CI shall support point criteria for query of geographic Metadata by text and graphical input.
		S-CLS-10080	functional	B		The WKBCH CI shall support polygonal coordinate criteria for query of geographic Metadata by graphical input.
		S-CLS-10090	functional	B		The WKBCH CI shall support query of geographic Metadata by geographic name by text input.
		S-CLS-15940	functional	B		The WKBCH CI shall provide users the capability to search for global granules.
		S-CLS-13990	functional	B		The WKBCH CI shall provide users the capability to view resulting selection area on a map when a lat/lon selection is typed in for a search.
		S-CLS-10060	functional	A		The WKBCH CI shall support a minimum bounding rectangle criteria for query of geographic Metadata by text and graphical
		S-CLS-14500	functional	B		Geographic selection criteria for a Search Request shall be synchronized so that selection of an area on a Search Request map display will be translated into lat/lon coordinates in a Search Request submissions window.
		S-CLS-14510	functional	B		Geographic selection criteria for a Search shall be synchronized so that typed lat/lon coordinates in a Search Request submission window will be graphically displayed as a blocked out area on a Search Request map display.

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		S-CLS-10190	functional	B		The WKBCH CI shall provide the capability for users to compose searches across multiple data sets for coincident occurrences of data in space, time, or any other searchable core Metadata attributes.
		S-CLS-13570	functional	A		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-10040	functional	A		The WKBCH CI shall support a Geographic Reference criteria for query of geographic Metadata.

Table 1- L3 Change Table: This table identifies modifications to existing IMS-0640 and IMS-0650 requirements in the L3 F&PRS class as identified in the 122096 baseline version of the RTM database.

L3_id	req_key	req_title	text
IMS-0650	914	Non-geographic metadata	<p>The IMS shall query non-geographic metadata by any of the following criteria at a minimum:</p> <ul style="list-style-type: none"> a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Min/max range search g. <u>And combinations of the above with</u> Logical and Boolean operators h. Any combination of the above
IMS-0640	1484	Geographic metadata	<p>The IMS shall provide the capability to query geographic metadata by any of the following criteria at a minimum:</p> <ul style="list-style-type: none"> a. Geographic reference b. Data element content (as specified in metadata) c. Minimum bounding rectangle d. Point and radius e. Polygon f. Geographic name (based on a standard data base, such as USGS Geographic Names Information System) g. WRS h. Any combination of the above <u>Any combination that allows for specification of multiple, distinct geographic areas</u>

Table. 2- RbR Change Table: This table identifies modifications to existing IMS-0640#B and IMS-0650#B requirements in the RbR class as identified in the 122096 baseline version of the RTM database.

RbR_id	RbR-Key	segment_allocation	req_type	s_ver_met	s_ver_status	a_ver_req	a_ver_status	req_category	interpretation-text	text
IMS-0650#B	5188	SDPS	functional	test	un-verified	test	<u>un-verified</u>	mission essential		The IMS shall query non-geographic metadata by any of the following criteria at a minimum: a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Min/max range search g. <u>And combinations of the above with</u> Logical and Boolean operators h. Any combination of the above
IMS-0640#B	5186	SDPS	functional	test	un-verified	test	<u>un-verified</u>	mission essential	There was a mistake made in the F&PRS. GSFC has been notified. It appears as though item f. replaced the original item f. This is not the case item f. WRS is and additional item and becomes item g.	The IMS shall provide the capability to query geographic metadata by any of the following criteria at a minimum: a. Geographic reference b. Data element content (as specified in metadata) c. Minimum bounding rectangle d. Point and radius e. Polygon f. Geographic name (based on a standard data base, such as USGS Geographic Names Information System) g. WRS h. Any combination of the above <u>Any combination that allows for specification of multiple, distinct geographic areas</u>

Table. 3- L4 Change Table: This table identifies modifications to existing L4 requirements allocated to CLS as identified in the 122096 baseline version of the RTM database.

paragraph_id	req-key	rel	req_type	req-status	ver-method	ver-status	CCR	text
S-CLS-10180	8119	B1	functional	incremental	test	un-verified	96-1354A	The WKBCH CI shall support any combination <u>with logical and boolean operators</u> of exact word match, exact phrase match, character set, wildcard, character range, logical and boolean operator , and min/max range <u>as</u> Search Criteria for query of non-geographic Metadata.

paragraph_id	req-key	rel	req_type	req-status	ver-method	ver-status	CCR	text
S-CLS-10080	8112	B0	functional	incremental	test	un-verified	96-1354A	The WKBCH CI shall support polygonal coordinate criteria for query of geographic Metadata by <u>text and</u> graphical input.