

Table 1

Query of MAIN on 9/26/95

paragraph_ id	requiremen t_key	text
IMS-0575#C	-1806	The IMS shall provide the capability to search across multiple data sets for coincident occurrences of data in space and/or time and any other attribute(s) of metadata.

Table 2

Table 2 is a Link Table. Remove entire requirement indicated (repeat of Table 1 above - for information only) and remove all links shown to that requirement (i.e., strike-through L4 paragraph_ids are those that require links to be removed).

Query of MAIN on 9/26/95

paragra ph_id	require ment_k ey	text	paragra ph_id	relea se	requiremen t_key	text
IMS- 0575#C	1806	The IMS shall provide the capability to search across multiple data sets for coincident occurrences of data in space and/or time and any other attribute(s) of metadata.	S-CLS- 10190	B	2555	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 Metadata attribute(s).
			S-DMS- 00550	B	2882	The LIMGR CI shall provide a capability to decompose the Search Requests it receives into executable data base Queries.
			S-DMS- 10030	B	2954	The DIMGR CI shall compare received Search Requests to its federated Schema to determine to which LIMs or Data Servers the Search Request must be forwarded and generate a Distributed Query Plan.

			S-DMS-10040	B	2955	Upon determining which LIMs are required to complete a Search Request, the DIM shall send to the requisite LIMs the portions of the original Search Request which apply to them.
			S-DMS-10060	B	2957	The DIMGR CI shall compile and manage the results of the Distributed Query Plan for the client which initiated it.
			S-DMS-10650	B	2970	The DIMGR CI shall initiate distributed data access and manipulation operations.
			S-DMS-10700	B	2971	The DIMGR CI shall provide the capability to save the result of a Service Request for later reuse.
			S-DMS-10710	B	2972	The DIMGR CI shall, upon request, provide the current Result Set (complete or incomplete) to the client or specified destination.
			S-DMS-10720	B	2974	The DIMGR CI shall provide the capability, to terminate processing of an active or suspended Service Request.
			S-DMS-10730	B	2975	The DIMGR CI shall provide the capability, to suspend processing of an active Service Request.
			S-DMS-10740	B	2976	The DIMGR CI shall provide the capability, to resume processing of a previously suspended Service Request.
			S-DMS-10750	B	2977	The DIMGR CI shall provide the capability, estimate resources required to execute a pending Service Request.

			S-DMS-10160	B	2979	The DIMGR CI shall be able to receive the local Schema of LIMs in its federation from the LIM service.
			S-DMS-10170	B	2980	The DIMGR CI shall create a union of the Schemata it receives from LIMs in its federation. This union is a federated Schema.
			S-DMS-10180	B	2981	The DIMGR CI shall not alter the Schemata it receives from any LIM in creating the federated Schema.
			S-DMS-10190	B	2982	The DIMGR CI shall subscribe to the LIMs for any changes in LIM Schemata.
			S-DMS-10200	B	2983	The DIMGR CI shall subscribe to the Advertising service for any additions or deletions of LIMs from its federation.
			S-DMS-10210	B	2984	The DIMGR CI shall be able to add a LIM to its federation based on the subscription notifications it receives from the Advertising service..
			S-DMS-10220	B	2985	The DIMGR CI shall provide an interface whereby a LIM may be deleted from the federation based on the subscription notifications it receives from the Advertising service..
			S-DMS-10250	B	2987	The distributed Schema administrator shall maintain the federated Schema in the DIM.
			S-DMS-10260	B	2988	The DIMGR CI shall provide an interface to the DIM administrator client whereby a LIM may be added to the federation.

			S-DMS-10270	B	2989	The DIMGR CI shall provide an interface to the DIM administrator client whereby a LIM may be deleted from the federation.
			S-DMS-10280	B	2990	The DIMGR CI shall provide an interface to the DIM administrator client whereby a LIM may be replaced in the federation.
			S-DMS-10290	B	2991	The DIMGR CI shall provide an interface to the DIM administrator client whereby LIM information may be retrieved from the federation.
			S-DMS-10300	B	2992	The DIMGR CI shall provide the capability to find and retrieve a Schema entry from an distributed Schema.
			S-DMS-10660	B	3039	The DIMGR CI shall provide the capability establish a session as the context for a series of Service Requests.
			S-DMS-10670	B	3040	The DIMGR CI shall provide the capability to suspend an ongoing session.
			S-DMS-10680	B	3041	The DIMGR CI shall provide the capability to resume a suspended session.
			S-DMS-10690	B	3042	The DIMGR CI shall provide the capability to terminate an established client session.
			S-DMS-20240	B	3100	The DDICT CI shall provide a capability to decompose the Search Requests it receives into executable data base Queries.

Table 3

This is a link Table. Add the links indicated by the underlined requirement IDs only.

**IMS-0780 link changes to correct CCR 0582
RTM MAIN as of 9/26/95**

L3 ID	RTM key	L3 RbR Text	RbR Type	Interpretation	L4 ID	Rel	RTM key	L4 Rqmt Text	linking instructions
IMS-0780# A	1846	The IMS shall accept and validate from the ECS users, IPs, ADCs, and ODCs requests for ECS archival data products.	interface		S-CLS-10990	A	2610	The WKBCH CI shall provide users the capability to specify the content of Data Requests.	
					S-DSS-00015	A	3213	The SDSRV CI shall insure that each Data Request includes a User Identifier, a Request Priority, and a Data Identifier.	
					S-CLS-15740	A	4918	The WKBCH CI shall restrict users' access to data and services for which the users lack sufficient privileges.	
					S-CLS-15750	A	4919	The WKBCH CI shall provide users confirmation or rejection of their data requests.	

					S-CLS-15840	A	4920	Confirmation or rejection of product requests shall contain requestor identification, request identification, request status, and the reason for rejection if rejected.	
<u>IMS-0780# B</u>	1847	The IMS shall accept and validate from the ECS users, IPs, ADCs, and ODCs requests for ECS archival data products.	interfa ce	B: ASTER (IP) REQUESTS FORECS PRODUCTS B: ASTER GDS interfaces to EDC DAA C only.	S-DMS-30730	B	3160	The GTWAY CI shall have the capability to receive Product Requests from the NOAA SAAs using Version 0 system protocols.	
					<u>S-DSS-00015</u>	A	3213	The SDSRV CI shall insure that each Data Request includes a User Identifier, a Request Priority, and a Data Identifier.	add link
					<u>S-CLS-15740</u>	A	4918	The WKBCH CI shall restrict users' access to data and services for which the users lack sufficient privileges.	add link
					<u>S-CLS-15750</u>	A	4919	The WKBCH CI shall provide users confirmation or rejection of their data requests.	add link

					<u>S-CLS-15840</u>	A	4920	Confirmation or rejection of product requests shall contain requestor identification, request identification, request status, and the reason for rejection if rejected.	add link
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