

**Table I. IMS Attribute Change Table for TAM/DID 304 Issues for B0 Validation Effort.**

RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text	clarification
IMS-0010#B	8524	mission essential	SDPS	<u>functional procedural</u>	inspection	un-verified	inspection	un-verified	The IMS shall be capable of providing 24 hour per day, 7 day per week access to the ECS services.		ECS shall meet this requirement by inspection of applicable test results from RMA requirements EOSD3900 through EOSD4020.
IMS-0160#B	8828	mission fulfillment essential	SDPS	functional	demo	un-verified	demo	un-verified	The IMS shall provide levels of user interaction support to include at a minimum: a. Expert (e.g., quick command driven direct information input) b. Intermediate (e.g., some prompting and automatically supplied help) c. Novice (e.g., extensive prompting and help facilities)	Levels of user interaction are set with options in the user profile by the user.	
IMS-0510#B	8382	mission critical essential	SDPS	interface	demo	un-verified	demo	un-verified	The IMS shall provide tools for research planning and 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 e. Phenomenology information f. Geographic reference aids g. Spacecraft location projections.		
RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text
IMS-0580#B	5173	<u>mission fulfillment essential</u>	SDPS	functional	demo	un-verified	demo	<u>un-verified</u>	The IMS shall provide geographic and geophysical (e.g. ocean bathymetry surface features) overlays to aid in the selection of spatial data and to enhance the display of metadata.	
IMS-0670#B	8832	<u>mission fulfillment essential</u>	SDPS	functional	demo	un-verified	demo	<u>un-verified</u>	The IMS shall provide the capability to accept, validate, and fill orders from users for periodic delivery of information stored at the IMS.	This capability is provided by the Subscription service.
IMS-0820#B	5225	mission essential	SDPS	functional	test	un-verified	test	<u>un-verified</u>	The IMS shall provide to the user product order status information from the DADS to confirm or reject an order, which contains the following information at a minimum: a. Requester identification b. Request identification c. Request status d. If rejection, then the reason for the rejection e. If delayed longer than	<u>Types of product orders received by the DADS:</u> <u>Standing Orders are Subscription Requests;</u> <u>A Retrospective Order is a Data Request.</u>

								latest completion time specified by user, adjusted start and completion times		
RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text
IMS-0860#B	8402	mission essential	SDPS	interface	demo	un-verified	demo	un-verified	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.	B: NOAA, CIESIN <u>(Consortium for International Earth Science Information Network)</u>
IMS-0880#B	8611	mission essential	SDPS	interface	test	un-verified	test	un-verified	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.	DADS in support of PDPS only. <u>Delivery to a specified location is accommodated.</u>
IMS-1480#B	5359	mission essential	SDPS	interface	demo	un-verified	demo	<u>un-verified</u>	The Virtual IMS Information Management software shall allow a user to locate and identify desired data without having detailed knowledge of the system's: a. Architecture b. Data base management system c. Data base structure d. Query languages e. Data formats	
RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text
IMS-1650#B	8384	<u>mission critical</u> <u>essential</u>	SDPS	functional	test	un-verified	test	un-verified	IMS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data	

								distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests		
IMS-1700#B	8657	mission critical <u>essential</u>	SDPS	functional	test	un-verified	test	un-verified	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	Core metadata includes the quality assessment data.
IMS-1730#B	5387	mission essential	SDPS	functional	test	un-verified	test	<u>un-verified</u>	The IMS shall provide the capability to produce reports that trace the data product back to the source instrument.   871	
RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text
IMS-1790#B	5393	mission critical	SDPS	performance	test	un-verified	test	<u>un-verified</u>	The IMS shall provide, based upon the data model defined in Appendix C, sufficient storage for, at a minimum: a. Directory metadata b. Guide (documentation/reference material) metadata c. Inventory metadata d. System space, LSM data, and data base system overhead e. Metadata staging area f. Spacecraft	<u>Number of inventory entries for Release B0 archives is derived from the capability to accommodate the Release B0 supported missions until 1 year after AM-1 launch (middle of 99). The number of inventory</u>

								housekeeping and ancillary data metadata g. Science processing library software metadata h. Summary data statistics i. User workspace	<p><u>entries at GSFC is also sized to support the CERES (TRMM) data (along with required ancillary) and V0 migration data.</u></p> <p><u>EDC and NSIDC are also sized to support V0 migrated data.</u></p> <p><u>Total accumulated number of inventories for Release B0, derived from the Feb.,1996 Technical Baseline (Release B0 procurement baseline), is 5009K @ GSFC, 1187K @ LaRC, 2764K @ EDC, and 479K @NSIDC. The number of V0 migration files was derived by assuming an average size of 50 MB per file.</u></p> <p><u>Note: The specified TRMM/TSDIS</u></p>
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											<u>storage volumes are to accommodate possible future data migration</u>
RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text	clarification

**Table II. IMS RbR to Level 4 requirement linkage additions due to TAM and DID issues for B0 Validation.**

RbR_ID	L4_ID
IMS-0050#B	C-MSS-75115
IMS-0060#B	C-MSS-75001
IMS-0060#B	C-MSS-75010
IMS-0060#B	C-MSS-75015
IMS-0060#B	C-MSS-75020
IMS-0060#B	C-MSS-75030
IMS-0060#B	C-MSS-75035
IMS-0060#B	C-MSS-75040
IMS-0070#B	C-MSS-75001
IMS-0080#B	S-CLS-13110
IMS-0130#B	S-CLS-13390
IMS-0180#B	C-MSS-75025
IMS-0180#B	C-MSS-75030
IMS-0180#B	C-MSS-75035
IMS-0180#B	C-MSS-75040
IMS-0180#B	S-CLS-01615
IMS-0180#B	S-CLS-13460
IMS-0260#B	S-IOS-00260
IMS-0300#B	C-MSS-18200
IMS-0300#B	C-MSS-18060
IMS-0415#B	S-IOS-00770
IMS-0500#B	S-PLS-00760
IMS-0510#B	S-CLS-13560
IMS-0625#B	S-CLS-15630
IMS-0625#B	S-CLS-15640

<u>IMS-0740#B</u>	<u>S-CLS-10970</u>
<u>IMS-0820#B</u>	<u>S-CLS-11150</u>
<b>RbR_Id</b>	<b>L4_Id</b>
<u>IMS-0820#B</u>	<u>S-DSS-00095</u>
<u>IMS-0820#B</u>	<u>S-DSS-03868</u>
<u>IMS-0820#B</u>	<u>S-DSS-03876</u>
<u>IMS-0860#B</u>	<u>S-DMS-30550</u>
<u>IMS-0860#B</u>	<u>S-DMS-30695</u>
<u>IMS-0880#B</u>	<u>S-DMS-30700</u>
<u>IMS-0880#B</u>	<u>S-DMS-30710</u>
<u>IMS-0880#B</u>	<u>S-DMS-30720</u>
<u>IMS-0880#B</u>	<u>S-DMS-30740</u>
<u>IMS-0880#B</u>	<u>S-DMS-30750</u>
<u>IMS-1050#B</u>	<u>S-CLS-10200</u>
<u>IMS-1072#B</u>	<u>S-CLS-14450</u>
<u>IMS-1105#B</u>	<u>S-CLS-10882</u>
<u>IMS-1270#B</u>	<u>S-PLS-00400</u>
<u>IMS-1290#B</u>	<u>S-CLS-17050</u>
<u>IMS-1640#B</u>	<u>C-MSS-45050</u>
<u>IMS-1640#B</u>	<u>C-MSS-45060</u>
<u>IMS-1640#B</u>	<u>C-MSS-45070</u>
<u>IMS-1640#B</u>	<u>C-MSS-45080</u>
<u>IMS-1640#B</u>	<u>C-MSS-45200</u>
<u>IMS-1640#B</u>	<u>C-MSS-45210</u>
<u>IMS-1640#B</u>	<u>C-MSS-45220</u>
<u>IMS-1640#B</u>	<u>C-MSS-45230</u>
<u>IMS-1640#B</u>	<u>C-MSS-45245</u>
<u>IMS-1640#B</u>	<u>C-MSS-45260</u>
<u>IMS-1640#B</u>	<u>C-MSS-45270</u>

<u>IMS-1640#B</u>	<u>C-MSS-45280</u>
<u>IMS-1640#B</u>	<u>C-MSS-45310</u>
<u>IMS-1640#B</u>	<u>C-MSS-50000</u>
<u>IMS-1640#B</u>	<u>C-MSS-50010</u>
<b>RbR_Id</b>	<b>L4_Id</b>
<u>IMS-1640#B</u>	<u>C-MSS-50020</u>
<u>IMS-1640#B</u>	<u>C-MSS-50030</u>
<u>IMS-1640#B</u>	<u>C-MSS-50040</u>
<u>IMS-1640#B</u>	<u>C-MSS-50050</u>
<u>IMS-1640#B</u>	<u>C-MSS-50060</u>
<u>IMS-1640#B</u>	<u>C-MSS-50070</u>
<u>IMS-1640#B</u>	<u>C-MSS-50090</u>
<u>IMS-1640#B</u>	<u>C-MSS-50100</u>
<u>IMS-1640#B</u>	<u>C-MSS-50120</u>
<u>IMS-1640#B</u>	<u>C-MSS-50140</u>
<u>IMS-1640#B</u>	<u>C-MSS-50160</u>
<u>IMS-1640#B</u>	<u>C-MSS-50210</u>
<u>IMS-1700#B</u>	<u>S-PLS-01335</u>
<u>IMS-1700#B</u>	<u>S-PLS-01336</u>
<u>V0-0070#B</u>	<u>S-DMS-30320</u>
<u>V0-0110#B</u>	<u>S-DMS-30345</u>

**TABLE III. IMS RbR to Level 4 requirement linkage deletions due to TAM and DID issues for B0 Validation.**

RbR_ID	L4_ID
IMS-0010#B	S-DMS-00565
IMS-0010#B	S-DMS-10345
IMS-0050#B	S-CLS-13460
IMS-0050#B	S-CLS-13470
IMS-0100#B	S-CLS-01620
IMS-0100#B	S-CLS-12110
IMS-0100#B	S-CLS-12500
IMS-0150#B	S-CLS-15690
IMS-0230#B	S-CLS-15920
IMS-0530#B	S-CLS-10770
IMS-0600#B	S-IOS-00760
IMS-0910#B	S-CLS-10220
IMS-0970#B	S-CLS-11150
IMS-0980#B	S-CLS-11000
IMS-1040#B	S-CLS-11030
IMS-1050#B	S-CLS-11030
V0-0020#B	S-DMS-31230
V0-0150#B	S-DMS-30360
V0-0160#B	S-DMS-30370
V0-0190#B	S-DMS-30361
V0-0190#B	S-DMS-30380
V0-0190#B	S-DMS-30388
V0-0200#B	S-DMS-30388
V0-0230#B	S-DMS-30369
V0-0230#B	S-DMS-30400
V0-0230#B	S-DMS-30408