

Attachment 5 to CCR 4 : Changes to release A requirements as a result of the Hughes response to the NASA PDR 304 comments as described in the SDPS White Paper.

Table 1A contains the changes to the L4 requirement attributes. Table 2A contains the accompanying link changes.

Table 1A : Change to attributes withn RTM L4 requirements (i.e. Modification, Addition, or Deletion of existing L4s)

L4 ID	RTM key	Re l	Req Type	L4 Rqmt Text	Clarification
S-IOS-00380	2832	A		The ADSRV CI shall collect the management data <u>about its own operations</u> used to <u>for support of</u> security management.	change text of L4
S-IOS-00490	2836	A		The ADSRV CI shall collect <u>software</u> Fault Management Data <u>about its own operations</u> and provide it to the MSS.	change text of L4
S-IOS-00510	2837	A		The ADSRV CI shall collect Accountability Management Data <u>about its own operations</u> and provide it to the MSS.	change text of L4
<u>S-CLS-12903</u>	<u>New</u>	<u>A</u>		<u>The WKBCH CI shall provide users a capability to save documents at his local workstation.</u>	create new L4
<u>S-CLS-12906</u>	<u>New</u>	<u>A</u>		<u>The WKBCH CI shall provide users a capability to print documents at his local workstation.</u>	create new L4
S-CLS-13300	2776	A		The WKBCH CI shall provide users the capability to access guide <u>text</u> information as plain text documents for dumb terminals.	change text of L4
S-CLS-13265	2774	A		The WKBCH CI Subsystem shall provide <u>CHUI ChUI</u> terminal support conforming to VT-100 standards.	change text of L4
S-IOS-00090	<del>2821</del>	A		<del>The ADSRV CI shall support an administration utility for performance monitoring of ADSHW system CPU, memory, disk and I/O.</del>	delete L4
S-CLS-01520	2638	A		The WKBCH CI interface to access to data bases that may be geographically dispersed shall conform to the ECS style guidelines.	change text of L4
<u>S-DSS-03746</u>	<u>New</u>	A	<u>interface</u>	<u>The SDSRV CI's MD Component shall provide storage for checksum metadata value associated with each file of each data granule stored in the STMGT CI.</u>	create new L4
<u>S-DSS-20621</u>	<u>New</u>	A	<u>functional</u>	<u>The STMGT CI shall calculate a checksum for each file associated with each data granule stored in the archive.</u>	create new L4
<u>S-DSS-20622</u>	<u>New</u>	A	<u>interface</u>	<u>The STMGT CI shall provide to the SDSRV CI's MD Component a copy of the checksum value calculated upon initial receipt of each file in each data granule stored in the archive.</u>	create new L4
<u>S-DSS-20623</u>	<u>New</u>	A	<u>functional</u>	<u>The STMGT CI shall recalculate the checksum value of each file associated with each retrieved data granule and compare it with the checksum metadata value for that file stored in the SDSRV CI's MD Component for accuracy.</u>	create new L4

**Table 2A: Change to Links between RbRs and L4s**

<b>L3 ID (RbR)</b>	<b>RBR key</b>	<b>L3 RBR Text</b>	<b>L4 ID</b>	<b>RTM key</b>	<b>L4 Rqmt Text</b>	<b>Note</b>
IMS-0480#A	1786	The IMS shall allow the user to store documents in the ECS.	S-CLS-12903	New	The WKBCH CI shall provide users a capability to save documents at his local workstation.	Create Link New L4; see Table 1A
IMS-0480#B	1787	The IMS shall allow the user to store documents in the ECS.	S-CLS-12903	New		Create Link New L4; see Table 1A
IMS-0480#A	1786	The IMS shall allow the user to store documents in the ECS.	S-CLS-12906	New	The WKBCH CI shall provide users a capability to print documents at his local workstation.	Create Link New L4; see Table 1A
IMS-0480#B	1787	The IMS shall allow the user to store documents in the ECS.	S-CLS-12906	New		Create Link New L4; see Table 1A
IMS-0240#A	1740	The IMS shall provide, at a minimum, data base administration utilities for: a. Modifying the data base schema b. Performance monitoring c. Performance tuning d. Administration of user access control e. On-line incremental backup f. On-line recovery g. Export/import of data	S-IOS-00090	2821	The ADSRV CI shall support an administration utility for performance monitoring of ADSHW system CPU, memory, disk and I/O.	Delete/Break Link L4 deleted; see Table 1A
IMS-0240#B	1741	The IMS shall provide, at a minimum, data base administration utilities for: a. Modifying the data base schema b. Performance monitoring c. Performance tuning d. Administration of user access control e. On-line incremental backup f. On-line recovery g. Export/import of data	S-IOS-00090	2821	The ADSRV CI shall support an administration utility for performance monitoring of ADSHW system CPU, memory, disk and I/O.	Delete/Break Link L4 deleted; see Table 1A

**Table 2A(Continued)**

<b>L3 ID(RbR)</b>	<b>RBR key</b>	<b>L3 RBR Text</b>	<b>L4 ID</b>	<b>RTM key</b>	<b>L4 Rqmt Text</b>	<b>Note</b>
DADS1370#A	355	Each DADS shall provide a mechanism for statistically monitoring both the raw and corrected bit error rate (BER) of storage media in the archive.	S-DSS-03746	new	The SDSRV CI's MD Component shall provide storage for checksum metadata value associated with each file of each data granule stored in the STMGT CI.	Create Link New L4; see Table 1A
DADS1370#B	356	Each DADS shall provide a mechanism for statistically monitoring both the raw and corrected bit error rate (BER) of storage media in the archive.	S-DSS-03746	new		Create Link New L4; see Table 1A
DADS1370#A	355		S-DSS-20621	new	The STMGT CI shall calculate a checksum for each file associated with each data granule stored in the archive.	Create Link New L4; see Table 1A
DADS1370#B	356		S-DSS-20621	new		Create Link New L4; see Table 1A
DADS1370#A	355		S-DSS-20622	new	The STMGT CI shall provide to the SDSRV CI's MD Component a copy of the checksum value calculated upon initial receipt of each file in each data granule stored in the archive.	Create Link New L4; see Table 1A
DADS1370#B	356		S-DSS-20622	new		Create Link New L4; see Table 1A
DADS1370#A	355		S-DSS-20623	new	The STMGT CI shall recalculate the checksum value of each file associated with each retrieved data granule and compare it with the checksum metadata value for that file stored in the SDSRV CI's MD Component for accuracy.	Create Link New L4; see Table 1A
DADS1370#B	356		S-DSS-20623	new		Create Link New L4; see Table 1A