

RTM Baseline 6/23/97

CCR: 97-1134A

Query Date: 7/14/97

Page 2 of 37

Attachment 1: Delete RBR to L4 Links

RBR id	L4 id
AM1-0050#B	F-TLM-10550
AM1-0050#B	F-TLM-10555
AM1-0050#B	F-TLM-10560
AM1-0050#B	F-TLM-10570
AM1-0050#B	F-TLM-10575
AM1-0050#B	F-TLM-10580
AM1-0070#B	F-TLM-01520
AM1-0125#B	F-TLM-10550
AM1-0125#B	F-TLM-10560
AM1-0125#B	F-TLM-10570
AM1-0125#B	F-TLM-10575
AM1-0125#B	F-TLM-10580
AM1-0140#B	F-FOS-00035
AM1-0140#B	F-FOS-00155
AM1-0140#B	F-FOS-00085
AM1-0140#B	F-TLM-10550
AM1-0140#B	F-TLM-10555
AM1-0140#B	F-TLM-10570
AM1-0140#B	F-TLM-10580

RTM Baseline 6/23/97

CCR: 97-1134A

Query Date: 7/14/97

Page 3 of 37

RBR id	L4 id
AM1-0220#B	C-CSS-62070
AM1-0220#B	C-MSS-40460
AM1-0230#B	F-CMS-01305
AM1-0230#B	F-FUI-02200
AM1-0230#B	F-DMS-00180
AM1-0230#B	F-DMS-00160
AM1-0240#B	F-CMS-01720
ASTER-0250#B	F-PAS-10009
ASTER-0250#B	F-PAS-10455
ASTER-0260#B	F-PAS-10455
EDOS-4.1.1.2#B	F-CMD-01185
EDOS-4.2.1.4#B	F-TLM-01515
EDOS-4.2.1.5#B	F-CMD-01120
EDOS-4.2.1.5#B	F-CMD-01125
EOSD0010#B	F-PAS-00700
EOSD0015#B	F-PAS-00700
EOSD0502#B	F-RMS-00130
EOSD0730#B	F-HRD-07020
EOSD0730#B	F-HRD-07025
EOSD0730#B	F-RMS-00050

RTM Baseline 6/23/97

CCR: 97-1134A

Query Date: 7/14/97

Page 4 of 37

RBR id	L4 id
EOSD1502#B	F-DMS-01450
EOSD1502#B	F-DMS-01451
EOSD1502#B	F-DMS-01452
EOSD1502#B	F-PAS-10441
EOSD3200#B	F-HRD-03030
EOSD3630#B	F-RMS-03080
FOS-1060#B	F-DMS-01021
FOS-1070#B	F-TLM-02290
FOS-1070#B	F-TLM-02291
FOS-1070#B	F-TLM-02296
NI-0010#B	F-TLM-00120
NI-0160#B	F-RMS-04010
NI-0210#B	F-TLM-00120
NI-0310#B	F-DMS-01455

**Attachment 2: Add RBR to L4 Links**

RBR id	L4 id
<u>AM1-0070#B</u>	<u>F-TLM-11520</u>
<u>AM1-0120#B</u>	<u>F-CMD-02120</u>

RTM Baseline 6/23/97

CCR: 97-1134A

Query Date: 7/14/97

Page 5 of 37

RBR id	L4 id
<u>AM1-0130#B</u>	<u>F-TLM-11520</u>
<u>AM1-0215#B</u>	<u>F-DMS-00130</u>
<u>AM1-1080#B</u>	<u>F-TLM-01520</u>
<u>AM1-1090#B</u>	<u>F-CMD-02120</u>
<u>ASTER-0050#B</u>	<u>F-DMS-00130</u>
<u>EDOS-4.1.1.15#B</u>	<u>F-DMS-01410</u>
<u>EDOS-4.1.1.15#B</u>	<u>F-DMS-01430</u>
<u>EDOS-4.1.1.16#B</u>	<u>F-DMS-01430</u>
<u>EDOS-4.1.1.16#B</u>	<u>F-DMS-01410</u>
<u>EDOS-4.1.1.16#B</u>	<u>F-PAS-10440</u>
<u>EDOS-4.1.1.18#B</u>	<u>F-DMS-10710</u>
<u>EDOS-4.2.1.4#B</u>	<u>F-TLM-10125</u>
<u>EDOS-4.2.1.5#B</u>	<u>F-CMD-11211</u>
<u>EDOS-4.2.1.5#B</u>	<u>F-CMD-11212</u>
<u>EDOS-4.2.1.5#B</u>	<u>F-CMD-11215</u>
<u>EDOS-4.3.1.4#B</u>	<u>F-DMS-01410</u>
<u>EDOS-4.6.1.1#B</u>	<u>F-TLM-11520</u>
<u>EDOS-4.6.1.2#B</u>	<u>F-TLM-00210</u>
<u>EDOS-4.6.1.3#B</u>	<u>F-CMD-01160</u>
<u>EDOS-4.6.1.4#B</u>	<u>F-CMD-01185</u>

RTM Baseline 6/23/97

CCR: 97-1134A

Query Date: 7/14/97

Page 6 of 37

RBR id	L4 id
<u>EDOS-4.6.1.5#B</u>	<u>F-TLM-00215</u>
<u>EDOS-4.6.1.6#B</u>	<u>F-TLM-00210</u>
<u>EDOS-4.6.1.7#B</u>	<u>F-DMS-01410</u>
<u>EDOS-4.6.1.8#B</u>	<u>F-TLM-11520</u>
<u>EOSD0502#B</u>	<u>F-FOS-10210</u>
<u>EOSD1010#B</u>	<u>F-FOS-00220</u>
<u>EOSD1502#B</u>	<u>F-FOS-00025</u>
<u>EOSD1770#B</u>	<u>F-CMS-10510</u>
<u>EOSD1770#B</u>	<u>F-CMS-10750</u>
<u>EOSD1770#B</u>	<u>F-CMS-11510</u>
<u>EOSD1770#B</u>	<u>F-CMD-05310</u>
<u>EOSD1770#B</u>	<u>F-CMD-05410</u>
<u>EOSD2100#B</u>	<u>F-FOS-00430</u>
<u>EOSD2100#B</u>	<u>F-FOS-00470</u>
<u>EOSD2100#B</u>	<u>F-FOS-00475</u>
<u>EOSD2100#B</u>	<u>F-FOS-00480</u>
<u>FOS-1080#B</u>	<u>F-TLM-02299</u>
<u>FOS-1080#B</u>	<u>F-TLM-02296</u>
<u>FOS-1080#B</u>	<u>F-TLM-02291</u>
<u>FOS-1080#B</u>	<u>F-TLM-02286</u>

RBR id	L4 id
<u>NI-0010#B</u>	<u>F-FOS-00010</u>
<u>NI-0010#B</u>	<u>F-FOS-00025</u>
<u>NI-0020#B</u>	<u>F-CMD-01120</u>
<u>NI-0020#B</u>	<u>F-CMD-01160</u>
<u>NI-0030#B</u>	<u>F-TLM-00210</u>
<u>NI-0110#B</u>	<u>F-FOS-00320</u>
<u>NI-0150#B</u>	<u>F-RMS-04010</u>
<u>NI-0160#B</u>	<u>F-FOS-00335</u>
<u>NI-0230#B</u>	<u>F-TLM-00110</u>
<u>NI-0330#B</u>	<u>F-TLM-01825</u>
<u>NI-0330#B</u>	<u>F-ANA-04120</u>
<u>NI-0330#B</u>	<u>F-FUI-02200</u>
<u>NI-0330#B</u>	<u>F-FUI-02205</u>

**Attachment 3: Modify Text**

RBR_id	req_key	Rel	Req_Cat	segment	req_type	s_verif_metho	s_verif_s	a_verif_metho	a_verif_s	CCR	text	interpretation	clarification
AM1-0220#B	9430	B	mission essenti	FOS   CSMS	interface procedure 1	test	un-verified	test	un-verified	97-0685A	The ECS shall have		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation_text	clarification
			al								the capability to provide and the MISR, MOPITT, MODIS, and CERES PIs/TLS shall have the capability to receive IST toolkit software, IST toolkit software upgrades, and IST toolkit documentation.		
AM1-0310#B	9435	B	mission essential	N/A_proceduralFOS	operational procedure	inspection	un-verified	inspection	un-verified	97-0685A	The ECS contractor shall provide and the AM-1	M&O will support	

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verify_method	s_verif_s tat	a_verif_metho d	a_verif_s tat	CCR	text	interpretation text	clarification
											spacecraft vendor shall receive training on operations of the FOS.		
AM1-0315#B	9436	B	mission essential	<a href="#">N/A_proceduralF</a> <a href="#">OS</a>	operationa l   procedura l	inspe ction	un-verified	inspect ion	un-verified	97-0685A	The ECS contractor shall provide and the AM-1 instrument teams shall receive training on operations of the IST toolkit.	M&O will support	
AM1-0320#B	9437	B	mission essential	<a href="#">N/A_proceduralF</a> <a href="#">OS</a>	operationa l   procedura l	inspe ction	un-verified	inspect ion	un-verified	97-0685A	The AM-1 spacecraft vendor shall provide and the ECS	M&O will support.	

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation_text	clarification
											contractor shall receive AM-1 spacecraft operations training.		
AM1-0330#B	9438	B	mission essential	<a href="#"><u>N/A_proceduralFOs</u></a>	operational   procedural	inspection	un-verified	inspection	un-verified	97-0685A	The AM-1 instrument teams shall provide and the ECS contractor shall receive AM-1 instrument operations training.	M&O will support.	
EDOS - 4.1.1.15#B	8107	<a href="#"><u>FP_B</u></a>	mission essential	FOS	interface	demo	un-verified	demo	un-verified	96-1132B	EDOS shall provide the capability to receive SN Schedules from the EOC.		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
EDOS - 4.1.1. 16#B	8991	<a href="#">FP B</a>	mission essential	FOS	interface	demo	un-verified	demo	un-verified	97-0093	EDOS shall provide the capability to receive EOSDIS Ground Station scheduling data from the EOC.		Functionality to be delivered post-Release B (i.e., post-Release B RRR).
EDOS - 4.3.1. 4#B	9184	B0 <a href="#">FP B</a>	mission essential	FOS   CSMS	performance   interface	analysis	un-verified	analysis	un-verified	97-0726A	The EOC shall provide the capability to transfer Operations Management data to EDOS at a rate up to 49 kbps.		<a href="#">Files are transferred at the line rate. FOS does not meters to 49 Kbps.</a>
EDOS - 4.6.1. 2#B	8160		mission critical	FOS	<a href="#">procedure + interface</a>	demo	un-verified	demo	un-verified	96-1132B	EDOS shall transfer real-time return link data using UDP/IP.		
EDOS	8162		mission	FOS	<a href="#">procedure</a>	demo	un-	demo	un-	96-	EDOS		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
- 4.6.1. 3#B			n critical		<a href="#">Interface</a>		verified		verified	1132B	shall receive real-time forward link data using UDP/IP.		
EDOS - 4.6.1. 4#B	8163		mission essential	FOS	<a href="#">procedural interface</a>	demo	un-verified	demo	un-verified	96-1132B	EDOS shall transfer command echo blocks using UDP/IP.		
EDOS - 4.6.1. 5#B	8164		mission critical	FOS	<a href="#">procedural interface</a>	demo	un-verified	demo	un-verified	96-1132B	EDOS shall transfer CODA reports using UDP/IP.		
EDOS - 4.6.1. 6#B	8166		mission essential	FOS	<a href="#">procedural interface</a>	demo	un-verified	demo	un-verified	96-1132B	EDOS shall transfer non-CODA Operations Management data		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
											using FTP.		
EDOS - 4.6.1. 7#B	8167	<a href="#">FP B</a>	mission essential	FOS	procedure <a href="#">interface</a>	demo	un-verified	demo	un-verified	96-1132B	EDOS shall receive Operations Management data using FTP.		
EDOS - 4.6.1. 8#B	8169		mission critical	FOS	procedure <a href="#">interface</a>	demo	un-verified	demo	un-verified	96-1132B	EDOS shall transfer rate-buffered return link data using FTP.		
EOSD 1010#B	9075	B0B	mission critical	FOS   SDPS   CSMS	performance	test	un-verified	test	un-verified	97-0742A	ECS shall support daily data volume, processing load, storage volume, instrument support, and data traffic as derivable	FOS applicability: instrument support only. <a href="#">B: AM1 only.</a>	Refer to the Clarification text of the following requirements for Release B capacity requirements: Processing -PGS 1300#B; Archiving Capacity - DADS1640#B, DADS1805#B, DADS2778#B, and DADS2900#B; and Archive Throughput

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_metho_d	a_verif_s tat	CCR	text	interpretation_text	clarification
											from and specified in Appendix C and D.		-DADS2778#B and DADS3100#B.
EOSD 1990#B	9148	B0B	mission essential	FOS   SDPS   CSMS	security	inspection	un-verified	inspection	un-verified	97-0742A	The ECS system and elements shall employ security measures and techniques for all applicable security disciplines which are identified in the preceding documents. These documents shall provide the basis for	For release B as determined in the technical security planning policy activity identified in EOSD2100.	<a href="#">FOS: Security measures and technical security planning policy activity are documented in EOSDIS Security Policy And Guide Lines Document number 505-10-23. FOS complies with this document</a>

RBR_id	req_key	Rel	Req_Catgeory	segment	req_type	s_verif_method	s_verif_stat	a_verif_metho_d	a_verif_s tat	CCR	text	interpretation text	clarification
											the ECS security policy.		
EOSD 2100# B	9007	B0 B	mission critical	FOS   SDPS   CSMS	procedural   security	inspection	un-verified	inspection	un-verified	97-0742A	The ECS technical security policy planning shall be comprehensive and shall cover at least the following areas: a. Applicability of the C2 Level of Trustedness as defined by the NSA b. Applicability of the C2 Object Reuse capability" is not applicable to the ECS project. NASA Automated Information Security Handbook, NHB 2410.9 is applied. Also reference subparagraph k, NHB 2410.9, "Risk Analysis" is documented in 215/SE3 and 514/PA2. Additional programmatic security risk items	Compliance demonstrated in DID 214/SE1, 215/SE3 and 514/PA2.	Reference subparagraph a. "Applicability of the C2 Level of Trustedness as defined by the NSA" and subparagraph b. "Applicability of the C2 Object Reuse capability" is not applicable to the ECS project. NASA Automated Information Security Handbook, NHB 2410.9 is applied. Also reference subparagraph k, NHB 2410.9, "Risk Analysis" is documented in 215/SE3 and 514/PA2. Additional programmatic security risk items

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
											Reuse capability c. Discretionary control and monitoring of user access d. ECS communications, network access, control, and monitoring e. Computer system "virus" monitoring, detection, and remedy f. Data protection controls g. Account/pr		are documented in CDRL 210/SE3. <a href="#">FOS: Security measures and technical security planning policy activity are documented in EOSDIS Security Policy And Guide Lines Document number 505-10-23.</a> <a href="#">FOS complies with this document.</a> <a href="#">Subparagraphs e.j. viral sweep and security analysis/ reporting functions are performed as per Maintenance and Operations procedures.</a> <a href="#">i. Security audit trail procedures are not implemented in FOS systems. Protection from external breach is provided the router filtering implemented in the</a>

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
											ivilege management and user session tailoring h. Restart/recovery i. Security audit trail generation j. Security analysis and reporting k. Risk analysis		<a href="#">system.</a>
EOSD 2200# B	8909	B0 B	mission essential	FOS   SDPS   CSMS	procedural   security	inspection	un-verified	inspection	un-verified	97-0742A	Selection criteria meeting overall ECS security policies and system requirements shall be applied	Compliance demonstrated in DID 214/SE1. Security selection parameters document ed in 514/PA2.	DID 514 documents the sensitivity/criticality of the ECS hardware. <a href="#">FOS: System Selection criteria was addressed as part of the design and design review process</a>

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
											when selecting hardware.		
EOSD 2400#B	9152	B0 B1 B	mission essential	FOS   SDPS   CSMS	security	test	un-verified	test	un-verified	97-0742A	ECS shall provide multiple categories of data protection based on the sensitivity levels of ECS data, as defined in NHB 2410.9.		Applicable to all ECS development. B1 capability for accessing security information from the SMC provides this functionality. <a href="#">FOS: Security policy is defined in the EOSDIS Security Policy And Guide Lines Document number 505-10-23. FOS complies with this document.</a>
EOSD 2430#B	7126	B0 B	mission critical	FOS   SDPS   CSMS	security	test	un-verified	test	un-verified	97-0746A	Data base access and manipulation shall accommodate control of user access and update of security		<a href="#">FOS: On FOS systems all data base access requires user logins and password to gain access</a>

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verify_method	s_verif_s tat	a_verif_metho d	a_verif_s tat	CCR	text	interpretation text	clarification
											controlled data.		
EOSD 2440# B	8911	B0 B	mission critical	FOS   SDPS   CSMS	security <a href="#">procedural</a>	test	un-verified	test	un-verified	97-0742A	Data base integrity including prevention of data loss and corruption shall be maintained .		<a href="#">FOS: Data base integrity is assured by RAID level-5: striping with interleaved parity, access limitations and, backup/restore procedures.</a>
EOSD 2480# B	8912	B0 B	mission essential	FOS   SDPS   CSMS	security	test	un-verified	test	un-verified	97-0742A	ECS elements shall require unique sessions when security controlled data are being manipulated.		<a href="#">FOS: The UNIX environment provides for unique UNIX login sessions.</a>
EOSD 2510# B	9058	B0 B	mission critical	FOS   SDPS   CSMS	security	demo	un-verified	demo	un-verified	97-0798A	ECS elements		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verify_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation_text	clarification
											shall maintain an audit trail of: a. All accesses to the element security controlled data b. Users/processes/elements requesting access to element security controlled data c. Data access/manipulation operations performed on security controlled data d. Date and		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verify_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation_text	clarification
											time of access to security controlled data e. Unsuccessful access attempt to the element security controlled data by unauthorized users/elements/processes f. Detected computer system viruses and worms g. Actions taken to contain or destroy a virus		
EOSD	8916	B0	missio	FOS	security	test	un-	test	un-	97-			

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
2650#B			n essential	SDPS   CSMS			verified		verified	0444A	ECS elements shall report detected security violations to the SMC.		
EOSD 2660#B	7952	B0	mission essential	FOS  SDPS   CSMS	operational   procedural   security	demo	un-verified	demo	un-verified	97-0742A	ECS elements shall at all times maintain and comply with the security directives issued by the SMC.		
EOSD 2710#B	7953	B0	mission essential	FOS  SDPS   CSMS	operational   security	demo	un-verified	demo	un-verified	97-0742A	ECS elements shall report all detected computer viruses and actions taken to		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation_text	clarification
											the SMC.		
EOSD 2990#B	8917	B0 B	mission critical	FOS   SDPS   CSMS	security <a href="#">procedures</a> 1	demo	un-verified	demo	un-verified	97-0742A	The ECS elements shall support the recovery from a system failure due to a loss in the integrity of the ECS data or a catastrophic violation of the security system.		<a href="#">FOS: The FOS requirement is met through the use of flight operations team procedures.</a>
EOSD 3000#B	9162	B0 B1 B	mission critical	FOS   SDPS   CSMS	security <a href="#">procedures</a> 1	demo	un-verified	demo	un-verified	97-0937A	The ECS shall provide for security safeguards to cover unscheduled system	For each site as applicable to site activation	Applicable to all ECS development. B1 includes capabilities for failovers and process control. <a href="#">FOS: protection from shutdowns and subsequent restarts</a>

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verify_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
											shutdown (aborts) and subsequent restarts, as well as for scheduled system shutdown and operational startup.		<a href="#">is provided in initialization and shutdown procedures.</a>
EOSD 3200#B	7138	B0B	mission critical	FOS   SDPS   CSMS	operational   security <a href="#">procedures</a>	inspection	un-verified	inspection	un-verified	97-0742A	A minimum of one backup which is maintained in a separate physical location (i.e., different building) shall be maintained for ECS software		<a href="#">FOS: A FOS offsite backup is maintained. FOS will not generate security audit trails or logs. Protection from external breach is provided by the physical security safeguards implemented in the system.</a>

RBR_id	req_key	Rel	Req_Catgeory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
											and key data items (including security audit trails and logs).		
EOSD 3220#B	8919	B0B	mission essential	FOS   SDPS   CSMS	operationa l   procedura l   security	inspe ction	un- verified	inspect ion	un- verified	97-0742A	All media shall be handled and stored in protected areas with environmental and accounting procedures applied.	<a href="#">FOS: Security measures and technical security planning policy activity are documented in EOSDIS Security Policy And Guide Lines Document number 505-10-23. FOS complies with this document.</a>	
EOSD 3490#B	9008	B1B	mission fulfillment	FOS   SDPS   CSMS	operationa l   RMA procedura l	demo	un- verified	demo	un- verified	97-0742A	Reliability statistics for ECS shall be collected and monitored using the Mean Time	<a href="#">FOS: Statistics will be gathered and reported by the Flight Operations Team.</a>	

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation_text	clarification
											Between Maintenance (MTBM) for each component and operational capability.		
EOSD 3610# B	8923	B1 B	mission fulfillment	FOS   SDPS   CSMS	procedure 1   RMA	inspection	un-verified	inspection	un-verified	97-0742A	The Maintainability Status Report shall be based on MIL-STD-470A, Maintainability Program for Systems and Equipment , Task 104 and shall include any changes in	Compliance described by analysis presented in CDRL 518	<a href="#">FOS: report will be prepared manually by the Flight Operations Team.</a>

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
											the MTBM predictions .		
EOSD 3615# B	8924	B1 B	mission fulfillment	FOS   SDPS   CSMS	procedure 1   RMA	inspection	un-verified	inspection	un-verified	97-0742A	The Maintainability Status Report shall also include data on items specified for maintainability reporting in GSFC 420-05-03.	Compliance described by analysis presented in CDRL 518	<a href="#">FOS: report will be prepared manually by the Flight Operations Team.</a>
EOSD 3630# B	8927	B0 B	mission essential	FOS   SDPS   CSMS	RMA <a href="#">procedure 1</a>	inspection	un-verified	inspection	un-verified	97-0742A	The maximum down time shall not exceed twice the required MDT in 99 percent		An inspection of the statistical RMA data will be used in the requirement verification.

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation_text	clarification
											of failure occurrence s.		
EOSD 3800#B	8953	<a href="#">FP BB</a>	mission critical	FOS   CSMS	RMA	analysis	un-verified	analysis	un-verified	97-0742A	The FOS shall have an operational availability of 0.9998 at a minimum (.99997 design goal) and an MDT of one (1) minute or less (0.5 minute design goal) for critical real-time functions that support: a. Launch b. Early orbit		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation_text	clarification
											checkout c. Disposal d. Orbit adjustment e. Anomaly investigation f. Recovery from safe mode g. Routine real-time commanding and associated monitoring for spacecraft and instrument health and safety		
EOSD 3810# B	9470	<a href="#">FP</a> <a href="#">BB</a>	mission essential	FOS   CSMS	RMA	analysis	un-verified	analysis	un-verified	97-0967	The FOS shall have an operational availability		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
											of 0.99925 at a minimum (.99997 design goal) and an MDT of five (5) minutes or less (0.5 minute design goal) for non-critical real-time functions.		
NI-0110#B	9192	B0 <u>FP</u> B	mission essential	FOS   CSMS	interface	test	un-verified	test	un-verified	97-0728A	ECS shall have the capability to communicate with the NCC via the EBnet interface.		
NI-0120#	9194	<u>FP</u> B	mission	FOS	interface	test	un-verified	test	un-verified	97-0416	ECS shall		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
B			essential								have the capability to send TDRSS schedule requests to the NCC. These messages will be defined in the ICD Between the GSFC MOCs and the NCCDS .		
NI-0130#B	9195	<a href="#">FP B</a>	mission essential	FOS	interface	demo	un-verified	demo	un-verified	97-0416	ECS shall have the capability to receive schedule result messages from the NCC. These messages will be		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
											defined in the ICD Between the GSFC MOCs and the NCCDS.		
NI-0140#B	9197	<a href="#">FP B</a>	mission essential	FOS	interface	demo	un-verified	demo	un-verified	97-0416	ECS shall have the capability to receive TDRSS schedule messages from the NCC. These messages will be defined in the ICD Between the GSFC MOCs and the NCCDS.		
NI-0150#B	9199	<a href="#">FP B</a>	mission essential	FOS	interface	test	un-verified	test	un-verified	97-0416	ECS shall have the		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation_text	clarification
			al								capability to send other non-telemetry data messages to the NCC, which includes at a minimum status and reconfiguration messages. These messages will be defined in the ICD Between the GSFC MOCs and the NCCDS.		
NI-0160#B	9200	<a href="#">FP B</a>	mission essential	FOS	interface	test	un-verified	test	un-verified	97-0416	ECS shall have the capability		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
											to receive other non-telemetry data messages from the NCC, which includes at a minimum status and reconfiguration messages. These messages will be defined in the ICD Between the GSFC MOCs and the NCCDS.		
NI-0170#B	9201	<a href="#">FP B</a>	mission essential	FOS	interface	demo	un-verified	demo	un-verified	97-0416	ECS shall have the capability to communic		

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation_text	clarification
											ate with the NCC to coordinate support from GN, DSN, and WOTS for EOS missions. This interface is defined in the Operations Interface Procedures Between the Network Control Center (NCC) and the Spaceflight Tracking and Data Network Users.		
NI-0240#	8266	<a href="#">FP_B</a>	mission	FOS	interface	demo	un-verified	demo	un-verified	96-1343A	ECS shall	Ecom is considere	

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
B			fulfillment								have the capability to receive non-telemetry data from the GN, DSN, and WOTS (via the EDOS/Ecom interface). Mission-specific requirements for supporting EOS spacecraft operations will be documented in the EOS mission-level Detailed Mission Requirements.	d to be EBnet.	

RBR_id	req_key	Rel	Req_Catagory	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CCR	text	interpretation text	clarification
											nts documents.		
NI-0250#B	8988	<a href="#"><u>FP B</u></a>	mission essential	FOS	evolvable	analysis	un-verified	analysis	un-verified	97-0074	ECS shall be expandable to support the capability to communicate with the DSN and WOTS to schedule support for EOS spacecraft beyond AM-1 (in accordance with NASA policy and procedures ).		