

**Table 1: Add New L3 F&PRS**

L3_FPRS	PARAGRAPH_ID	OBJECT_ID	REQ_TITLE	CCR	TEXT
ADD	<u>FOS-1150</u>		<u>ATC Buffer wrap</u>		<u>The FOS shall recognize when the AM-1 absolute time command buffer is filled, then wrap the remaining commands from the 4K partitioned load to the beginning of the buffer.</u>
ADD	<u>FOS-1160</u>		<u>CTIU FSW-headers dump</u>		<u>The FOS shall account for a header in the following AM-1 spacecraft and instrument memory dumps. a. Six word header in FWS dumps. b. Six word header in CTIU dumps. c. Four word header in MOPITT dumps.</u>
EOT					

**Table 2: Add New RBRs**

REQ_BY_REL	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_INTERPRETATION	REQ_CATEGORY	SEGMENT_ALLOCATION	REQ_TYPE	S_VERIFICATION_METHOD	S_VERIFICATION_STATUS	A_VERIFICATION_METHOD	A_VERIFICATION_STATUS	CCR
ADD	<u>FOS-1150#B</u>		<u>FPB</u>	<u>The FOS shall recognize when the AM-1 absolute time command buffer is filled, then wrap the remaining commands</u>			<u>mission essential</u>	<u>FOS</u>	<u>functional</u>	<u>demo</u>	<u>un-verified</u>	<u>demo</u>	<u>un-verified</u>	

REQ_BY_REL	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_INTERPRETATION	REQ_CATEGORY	SEGMENT_ALLOCATION	REQ_TYPE	S_VERIFICATION_METHOD	S_VERIFICATION_STATUS	A_VERIFICATION_METHOD	A_VERIFICATION_STATUS	CCR
				from the 4K partitioned load to the beginning of the buffer.										
ADD	FOS-1160#B		FPB	The FOS shall account for a header in the following AM-1 spacecraft and instrument memory dumps. a. Six word header in FWS dumps. b. Six word header in CTIU dumps. c. Four word header in MOPITT dumps.			mission essential	FOS	functional	demo	un-verified	demo	un-verified	
EOT														

**Table 3: Add L3 to RBR Link**

L3_TO_REL	PARAGRAPH_ID	PARAGRAPH_ID
LINK	FOS-1150	FOS-1150#B
LINK	FOS-1160	FOS-1160#B
EOT		

**Table 4: Add New Level 4s**

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
ADD	F-CMS-10430		FPB	The EOC shall segment AM1 ATC loads that exceed the last ATC buffer location (i.e.,		functional	approved	demo	unverified	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
				the load data wraps to the beginning of the ATC buffer) into two separate partitions; the second partition shall start loading at the beginning of the ATC buffer.						
ADD	<u>F-CMS-10435</u>		<u>FPB</u>	The EOC shall prepare load segments such that ATC safing commands are routinely uplinked to the beginning of the ATC buffer before uplinking the ATC load data partitions, when the AMI ATC load data exceeds the last ATC buffer location (i.e., the load data wraps to the beginning of the ATC buffer).		<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>	
ADD	<u>F-CMS-10440</u>		<u>FPB</u>	The EOC shall automatically generate a load partition		<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
				that fills an ATC load partition with no-op commands when it is determined that the last scheduled ATC command in the load falls between buffer location 3000 and buffer location (3000 - number of safing commands).						
ADD	<u>F-CMS-11730</u>		<u>FPB</u>	The EOC shall recognize AMI CTIU and SCC flight software dumps and remove the dump header from the dump data prior to processing the binary dump file.		<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>	
ADD	<u>F-CMS-11735</u>		<u>FPB</u>	The EOC shall recognize MOPITT microprocess or dumps and remove the dump header from the dump prior		<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>	

LEVEL_4	PARAGRAPH_ID	OBJECT_ID	RELEASE	TEXT	CLARIFICATION	REQ_TYPE	REQ_STATUS	VERIFICATION_METHOD	VERIFICATION_STATUS	CCR
				to processing the binary dump file.						
ADD	<u>F-CMS-11740</u>		<u>FPB</u>	The EOC shall provide the capability to prepend the AMI CTIU and SCC flight software dump header to the binary dump data prior to generating the output dump data file.		<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>	
ADD	<u>F-CMS-11745</u>		<u>FPB</u>	The EOC shall provide the capability to prepend the MOPITT microprocess or dump header to the binary dump data prior to generating the output dump data file.		<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>	
ADD	<u>F-CMS-11750</u>		<u>FPB</u>	The EOC shall include spacecraft or instrument-unique dump header binary information in the dump report.		<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>	
EOT										

**Table 5: Add RBR to Level 4 Link**

RELEASE_TO	PARAGRAPH	PARAGRAPH
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<u>_L4</u>	<u>_ID</u>	<u>_ID</u>
LINK	<u>FOS-1150#B</u>	<u>F-CMS-10430</u>
LINK	<u>FOS-1150#B</u>	<u>F-CMS-10435</u>
LINK	<u>FOS-1150#B</u>	<u>F-CMS-10440</u>
LINK	<u>FOS-1160#B</u>	<u>F-CMS-11730</u>
LINK	<u>FOS-1160#B</u>	<u>F-CMS-11735</u>
LINK	<u>FOS-1160#B</u>	<u>F-CMS-11740</u>
LINK	<u>FOS-1160#B</u>	<u>F-CMS-11745</u>
LINK	<u>FOS-1160#B</u>	<u>F-CMS-11750</u>
EOT		