

STANDARD CHANGE CATALOG (SCC)

SCC NUMBER: SCC #115

STANDARD CHANGE CATALOG TITLE: XML-VMF Case Statement

ORIGINATOR and ADDRESS: Commanding Officer
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ORIGINATOR'S INTERNAL NUMBER: NP01-005, Revision 21

AFFECTED DOCUMENT: MIL-STD-2045-47001C

PRECEDENCE: Routine

RECOMMENDATIONS:

ALLIED COORDINATION: None

RECORD OF PROCESSING

DATE: ACTION:

29 Oct 01 Proposal

15 Jan 02 Work Item

15 Jan 02 Draft

15 Jan 02 Conditional Approval (47001C after completed SD-1 coordination)

1. STATEMENT OF THE PROBLEM: The MIL-STD-2045-47001C Application Header is missing a case statement supporting the eXtensible Markup Language (XML) - Variable Message Format (VMF) messages.
2. PROBLEM ANALYSIS: Recently SCC #110, was approved for inclusion into MIL-STD-2045-47001C, however it has been determined that a case statement supporting XML-VMF messages is still required. Paragraph 5.6.4.6 specifies group G4 (Message Identification Group) must be present when the UMF field specifies XML-VMF in order to identify the VMF message type in its XML form. Revision 1 to this SCC incorporates the proposed changes on to MIL-STD-2045-47001C (R8). During CNRWG 02-1 this SCC was approved as modified, revision 2 incorporates changes to paragraph 5.7.2.1.N Case N.
3. PROPOSED SOLUTION: See Attached pages.
4. ALTERNATIVE SOLUTIONS: None.
5. SYSTEM CHANGES REQUIRED: To be determined.
6. CONFIGURATION ITEM DOCUMENTATION CHANGES: MIL-STD-2045-47001C
7. IMPACT ON INTEROPERABILITY: To be determined.
8. IMPACT ON RELATED DOCUMENTS: To be determined.
9. IMPLEMENTATION DATES: To be determined.
10. OTHER CONSIDERATIONS: None.
11. REFERENCES: None.
12. TRs ADDRESSED IN THIS ICP: None.

AND Message body shall not be present
END CASE

5.7.2.1.3 Case 3: Message is a Computer File/Data Block Transfer.

THIS CASE REQUIRES

UMF shall be "1" (Binary File)
AND GPI for Group 4 [Message Identification Group] shall be "0" (Not Present)
END CASE

5.7.2.1.4 Case 4: Message is a Forwarded Message.

THIS CASE REQUIRES

UMF shall be "4" (Forwarded Message)
AND GPI for Group 4 [Message Identification Group] shall be "0" (Not Present)
AND User Data shall be present
END CASE

5.7.2.1.5 Case 5: Message was compressed.

THIS CASE REQUIRES

FPI for Data Compression shall be "1" (Present)
AND GPI for Group 8 [Response Data Group] shall be "0" (Not Present)
AND User Data shall be present
END CASE

5.7.2.1.6 Case 6: Message has security services applied.

THIS CASE REQUIRES

GPI for Group 10 [Message Security Group] shall be "1" (Present)
END CASE

5.7.2.1.7 Case 7: Message is a signed acknowledgment.

THIS CASE REQUIRES

GPI for Group 8 [Response Data Group] shall be "1" (Present)
AND GPI for Group 6 [Perishability DTG Group] shall be "0" (Not Present)
AND GPI for Group 7 [Acknowledgment Request Group] shall be "0" (Not Present)
AND GPI for Group 14 [Authentication Data (A)] shall be "1" (Present)
AND GPI for Group 15 [Authentication Data (B)] shall be "1" (Present)
AND Signed Acknowledge Request Indicator shall be "0" (Signed Response Not Required)
AND User Data shall not be present
END CASE

5.7.2.1.N Case N: Message is an XML-VMF message.

THIS CASE REQUIRES

UMF is specified shall be "8" (XML-VMF)
AND GPI for G4 [Message Identification Group] is specified shall be "1" (Present)
END CASE

TABLE II.Cases (Continued)

Item Number	Field Name	Reference	Status Tx Rx	Support Tx Rx	Notes
4.1.3	<p>CASE 3: Message is a Computer File/Data Block Transfer. THIS CASE REQUIRES UMF is specified "1" (BINARY FILE) AND GPI for G4 [Message Identification Group] is specified "0" (NOT PRESENT) END CASE</p>	5.7.2.1.3	M M	Yes ___ ___ No ___ ___	
4.1.4	<p>CASE 4: Message is a Forwarded Message. THIS CASE REQUIRES UMF is specified "4" (FORWARDED MESSAGE) AND GPI for G4 [Message Identification Group] is specified "0" (NOT PRESENT) AND User Data shall be present END CASE</p>	5.7.2.1.4	M M	Yes ___ ___ No ___ ___	
4.1.5	<p>CASE 5: Message was compressed. THIS CASE REQUIRES FPI for Data Compression is specified "1" (PRESENT) AND GPI for G8 [Response Data Group] is specified "0" (NOT PRESENT) AND User Data shall be present END CASE</p>	5.7.2.1.5	M M	Yes ___ ___ No ___ ___	
4.1.6	<p>CASE 6: Message has security services applied. THIS CASE REQUIRES GPI for G10 [Message Security Group] is specified "1" (PRESENT) END CASE</p>	5.7.2.1.6	O M	Yes ___ ___ No ___ ___	
4.1.7	<p>CASE 7: Message is a signed acknowledgment. THIS CASE REQUIRES GPI for G8 [Response Data Group] is specified "1" (PRESENT) AND GPI for G6 [Perishability DTG Group] is specified "0" (NOT PRESENT) AND GPI for G7 [Acknowledgment Request Group] is specified "0" (NOT PRESENT) AND GPI for G14 [Authentication Data (A)] is specified "1" (PRESENT) AND GPI for G15 [Authentication Data (B)] is specified "1" (PRESENT) AND Signed Acknowledge Request Indicator is specified "0" (SIGNED RESPONSE NOT REQUIRED) AND User Data shall be present END CASE</p>	5.7.2.1.7	O M	Yes ___ ___ No ___ ___	
4.1.N	<p><u>Case N: Message is an XML-VMF message.</u> THIS CASE REQUIRES UMF is specified "8" (XML-VMF) AND GPI for G4 [Message Identification Group] is specified "1" (Present) END CASE</p>	5.7.2.1.N	O M	Yes ___ ___ No ___ ___	