



ATIS-0700034

ATIS Standard on -

**ATIS Supplement B to J-STD-102, Joint ATIS/TIA CMAS
Federal Alert Gateway to CMSP Gateway Interface Test
Specification**



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Published by

**Alliance for Telecommunications Industry Solutions
1200 G Street, NW, Suite 500
Washington, DC 20005**

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**ATIS Supplement B to J-STD-102, *Joint ATIS/TIA CMAS
Federal Alert Gateway to CMSP Gateway Interface Test
Specification***

Alliance for Telecommunications Industry Solutions

Approved August 31, 2017

Abstract

This Supplement provides the modifications to support the removal of the restrictions on embedded URLs and embedded telephone numbers and for errata to J-STD-102, *Joint ATIS/TIA CMAS Federal Alert Gateway to CMSP Gateway Interface Test Specification*.

Foreword

The Alliance for Telecommunication Industry Solutions (ATIS) serves the public through improved understanding between carriers, customers, and manufacturers. The Wireless Technologies and Systems Committee (WTSC) develops and recommends standards and technical reports related to wireless and/or mobile services and systems, including service descriptions and wireless technologies. WTSC develops and recommends positions on related subjects under consideration in other North American, regional, and international standards bodies.

The mandatory requirements are designated by the word *shall* and recommendations by the word *should*. Where both a mandatory requirement and a recommendation are specified for the same criterion, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages. The word *may* denotes an optional capability that could augment the standard. The standard is fully functional without the incorporation of this optional capability.

Suggestions for improvement of this document are welcome. They should be sent to the Alliance for Telecommunications Industry Solutions, WTSC 1200 G Street NW, Suite 500, Washington, DC 20005.

At the time of consensus on this document, WTSC, which was responsible for its development, had the following leadership:

- D. Zelmer, WTSC Chair (AT&T)
- M. Younge, WTSC Vice Chair (T-Mobile)
- P. Musgrove, WTSC SN Chair (AT&T)
- G. Schumacher, WTSC SN Vice Chair (Sprint)
- D. Sennett, Technical Editor (AT&T)

The ATIS WTSC SN subcommittee was responsible for the development of this document.

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ATIS Supplement B to J-STD-102, Joint ATIS/TIA CMAS Federal Alert Gateway to CMSP Gateway Interface Test Specification

1 Scope & Purpose

The scope of this Supplement is J-STD-102, *Joint ATIS/TIA CMAS Federal Alert Gateway to CMSP Gateway Interface Test Specification*.

The purpose of this Supplement is to provide modifications to J-STD-102, *Joint ATIS/TIA CMAS Federal Alert Gateway to CMSP Gateway Interface Test Specification*, to remove the restrictions on embedded URLs and embedded telephone numbers in WEA messages and to incorporate errata.

Upon publication, this Supplement shall be used in conjunction with J-STD-101 and its associated published Supplements A, B, and C.

2 Modifications

2.1 Modifications to Table 5: Steps for Test Case CMAS-TC-001 – Alert Message Test in Clause 5.3.1.8

The table entry #4 of Table 5: *Steps for Test Case CMAS-TC-001 – Alert Message Test* in Clause 5.3.1.8, *Test Steps*, is modified as show below:

4	CMSP Test Support: View CMSP Gateway message log.	The CMSP Gateway message log contains three CMAC messages (Annex C, <i>Expected CMAC Messages</i>) resulting from CAP Message #1, CAP Message #2, and CAP Message #3.	<ul style="list-style-type: none"> • RQMT-0130 • RQMT-0400 • RQMT-0410 • RQMT-0480 • RQMT-0493 • RQMT-0496 • RQMT-1000 • RQMT-1010 	
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2.2 Modifications to Table 18: Reference Point “C” Requirement Summary in Annex A, Summary of Reference Point “C” Interface Requirements

1. The table entry for requirement JCMAS-C-RQMT-0200 is modified as shown below:

JCMAS-C-RQMT-0200	5.2.1.1	[JCMAS-C-RQMT-0200] The CMSP Profile in the Federal Alert Gateway shall contain the parameters defined in the following table: NOTE: Table was modified in J-STD-101 Supplement C to add new table entry for C-Interface Message Version.
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2. The table entry for requirement JCMAS-C-RQMT-2500 is modified as shown below:

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JCMAS-C-RQMT-2500	7.1.1	[JCMAS-C-RQMT-2500] The CMAC_protocol_version element shall be set to "1.0" <u>or "1.1"</u> for this version of the Standard.
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3. The table entry for requirement JCMAS-C-RQMT-2510 is modified as shown below:

JCMAS-C-RQMT-2510	7.1.1	[JCMAS-C-RQMT-2510] Each Alert message shall contain the mandatory message elements and associated values provided in the following tables: <ul style="list-style-type: none">• Table 15: Elements of Alert Attributes Segment for Alert Message• Table 16: <i>Elements of Alert Attributes Segment for Alert Message</i>• Table 17: <i>Elements of Alert Info Segment for Alert Message</i>• Table 18: <i>Elements of Alert Area Segment for Alert Message</i>
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4. The table entry for requirement JCMAS-C-RQMT-2520 is modified as shown below:

JCMAS-C-RQMT-2520	7.1.1	[JCMAS-C-RQMT-2520] Each Update message shall contain the mandatory message elements and associated values provided in the following tables: <ul style="list-style-type: none">• Table 15: Elements of Alert Attributes Segment for Alert Message• Table 19: <i>Elements of Alert Attributes Segment for Update Message</i>• Table 20: <i>Elements of Alert Info Segment for Update Message</i>• Table 21: <i>Elements of Alert Area Segment for Update Message</i>
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5. The table entry for requirement JCMAS-C-RQMT-2530 is modified as shown below:

JCMAS-C-RQMT-2530	7.1.1	[JCMAS-C-RQMT-2530] The conditional CMAC_special_handling element shall be included in Alert, Update, and Cancel messages only if the Federal Alert Gateway determines the CMAC_event_code that the message is Presidential, a Child Abduction, or a Required Monthly Test.
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6. The table entry for requirement JCMAS-C-RQMT-2560 is modified as shown below:

JCMAS-C-RQMT-2560	7.1.1	[JCMAS-C-RQMT-2560] Each Cancel message shall contain the mandatory message elements and associated values provided in the following table-tables : <ul style="list-style-type: none">• Table 15: Elements of Alert Attributes Segment for Alert Message• Table 22: <i>Elements of Alert Attributes Segment for Cancel Message</i>
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7. The table entry for requirement JCMAS-C-RQMT-2570 is modified as shown below:

JCMAS-C-RQMT-2570	7.1.1	[JCMAS-C-RQMT-2570] Each RMT message shall contain the mandatory message elements and associated values provided in the following tables: <ul style="list-style-type: none">• Table 15: Elements of Alert Attributes Segment for Alert Message• Table 26: <i>Elements of Alert Attributes Segment for RMT Message</i>• Table 27: <i>Elements of Alert Info Segment for RMT Message</i>
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3 Additions

3.1 Addition of New Preface Clause

The following new Preface is added after the Table of Contents and before Clause 1, *Introduction*:

Preface

The authority-to-individuals emergency alerting capability to mobile devices was originally called Commercial Mobile Alert System (CMAS) in the first three Reports and Orders from the FCC. This standard

was originally developed based upon the CMAS terminology and CMAS was operation in April 2012. However, in February 2013, the FCC renamed Commercial Mobile Alert System (CMAS) to Wireless Emergency Alerts (WEA) with associated updates to the appropriate sections of Part 11 of the 47 CFR. Subsequently, the FCC has issued additional enhancements and rules for this government-to-citizen emergency alerting capability to mobile devices capability and these are identified as modifications to WEA.

Consequently, this specification may use both the term CMAS and the term WEA. These terms should be considered as equivalent terms with WEA being the preferred term.

3.2 Addition to Clause 3.2, Acronym & Abbreviations

The following additional acronyms are added to Clause 3.2, *Acronyms & Abbreviations*, as shown below:

WEA	Wireless Emergency Alert
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3.3 Addition to Table 3: Steps for Test Case CMAS-TC-101 – Federal Alert Gateway Profile Data Test in Clause 5.1.1.8, Test Steps

The following table entry is added to Table 3: *Steps for Test Case CMAS-TC-101 – Federal Alert Gateway Profile Data Test* in Clause 5.1.1.8, *Test Steps*:

7	Federal Test Support: Verify XML version in the CMSP Profile.	“1.0” if CMSP Gateway has not been upgraded for additional event codes. “1.1” if CMSP Gateway supports C-Interface XML with additional SSW, EWW, and SVS event codes.	• RQMT-0200	
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3.4 Additions to Clause 5.3.1.5, Requirements Addressed

The following bullet items are added to the list of bullet items in Clause 5.3.1.5, *Requirements Addressed*:

- JCMAS-C-RQMT-0493
- JCMAS-C-RQMT-0496

3.5 Additions to Table 17: Cross Reference Matrix of Requirements to Test Cases in Clause 6, Cross Reference of Requirements to Test Cases

The following two rows are added to Table 17: *Cross Reference Matrix of Requirements to Test Cases* in Clause 6, *Cross Reference of Requirements to Test Cases*:

JCMAS-C-RQMT-0493	X				X		CMAS-TC-001
JCMAS-C-RQMT-0496	X				X		CMAS-TC-001

3.6 Additions to Table 18: Reference Point “C” Requirement Summary in Annex A, Summary of Reference Point “C” Interface Requirements

The following two rows are added to Table 18: *Reference Point “C” Requirement Summary* in Annex A, *Summary of Reference Point “C” Interface Requirements*:

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JCMAS-C-RQMT-0493	5.2.3	[JCMAS-C-RQMT-0493] The Federal Alert Gateway shall support both versions 1.0 and 1.1 CMAC messages.
JCMAS-C-RQMT-0496	5.2.3	[JCMAS-C-RQMT-0496] The Federal Alert Gateway shall use the version of CMAC messages provisioned in the CMSP's profile when transmitting messages to the associated CMSP. See JCMAS-C-RQMT-0200.