



ATIS-0700032

ATIS Standard on -

**ATIS Supplement B to J-STD-100, Joint ATIS/TIA CMAS
Mobile Device Behavior Specification**



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ATIS Supplement B to J-STD-100, *Joint ATIS/TIA CMAS Mobile Device Behavior Specification*

Alliance for Telecommunications Industry Solutions

Approved August 31, 2017

Abstract

This Supplement provides the modifications to J-STD-100, *Joint ATIS/TIA CMAS Mobile Device Behavior Specification*, to remove the restrictions on embedded URLs and embedded telephone numbers in WEA messages.

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 WTSC SN Subcommittee was responsible for the development of this document.

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ATIS Standard on –

ATIS Supplement B to J-STD-100, *Joint ATIS/TIA CMAS Mobile Device Behavior Specification*

1 Scope & Purpose

The scope of this Supplement is J-STD-100.

The purpose of this Supplement is to provide modifications to J-STD-100, *Joint ATIS/TIA CMAS Mobile Device Behavior Specification*, to remove the restrictions on embedded URLs and embedded telephone numbers in WEA messages.

Upon publication, this Supplement shall be used in conjunction with J-STD-100 and its associated published Supplement A.

2 Modifications

2.1 *Modification to Clause 9.2 CMAS Message Initiation of Other Functions on Mobile Device*

Modify Clause 9.2, *CMAS Message Initiation of Other Functions on Mobile Device*, as shown below:

9.2 CMAS Message Initiation of Other Functions on Mobile Device

The *FCC First Report and Order* [Ref 1] states the following:

“A CMAS Alert Message processed by a Participating CMS Provider must not include an embedded Uniform Resource Locator (URL), which is a reference (an address) to a resource on the internet, or an embedded telephone number. This prohibition does not apply to Presidential Alerts.”

However, on September 29 2016, the FCC issued a new Report & Order on WEA Enhancements [Ref 9] which supersedes the above restrictions on embedded URLs and embedded telephone numbers. In 47 C.F.R. Section 10.441 of Appendix A, Final Rules, of the FCC Report and Order on WEA Enhancements [Ref 9], all restrictions have been removed for all WEA messages regarding embedded Uniform Resource Locator (URL) or embedded telephone number. Embedded URLs and telephone numbers are allowed in all WEA messages. The previous 47 C.F.R. Section 10.440 defining the URL and telephone number restrictions has been removed in Appendix A, Final Rules, of the FCC Report and Order on WEA Enhancements [Ref 9].

1. The mobile device shall present the displayable text of the alert message as received.
2. ~~The However, the~~ mobile device ~~shall is not required to~~ support additional functions such as providing hyperlinks which allows subscriber initiation of phone calls or data sessions using an embedded telephone number or URL.

NOTE: The URL syntax is defined in IETF RFC 3986 [Ref 10].

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 of New [Ref 9] in Clause 2, Normative References

The following additional references [Ref 9] and [Ref 10] are added to *Clause 2, Normative References*, as shown below:

[Ref 9] FCC 16-127, *Federal Communications Commission Report and Order and Further Notice of Proposed Rulemaking In the Matter of Wireless Emergency Alerts Amendments to Part 11 of the Commission's Rules Regarding the Emergency Alert System*; September 29, 2016.¹

[Ref 10] IETF RFC 3986, *Uniform Resource Identifier (URI): Generic Syntax*; January 2005.ⁿ

Where ⁿ in [Ref 10] is the following new footnote for [Ref 10]:

ⁿ This document is available from the Internet Engineering Task Force (IETF) at: < <http://www.ietf.org> >.

3.3 Addition to Clause 3.2, Acronyms & Abbreviations

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

| | |
|--------|-----------------------------|
| C.F.R. | Code of Federal Regulations |
| WEA | Wireless Emergency Alert |