



J-STD-100

**JOINT ATIS/TIA  
CMAS MOBILE DEVICE BEHAVIOR SPECIFICATION**

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#### J-STD-100, *Joint ATIS/TIA CMAS Mobile Device Behavior Specification*

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# JOINT ATIS/TIA CMAS MOBILE DEVICE BEHAVIOR SPECIFICATION

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## **Abstract**

This specification defines a common set of requirements for GSM, UMTS, and CDMA based mobile devices. Implementation of the requirements contained within this specification is mobile device manufacturer dependent.

## 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 Telecommunications Industry Association (TIA) is the leading trade association representing the global information and communications technology (ICT) industries through standards development, government affairs, business opportunities, market intelligence, certification and world-wide environmental regulatory compliance. Engineering Committee TR-45 develops performance, compatibility, interoperability and service standards for mobile and personal communications systems. These standards pertain to, but are not restricted to, service information, wireless terminal equipment, wireless base station equipment, wireless switching office equipment, ancillary apparatus, auxiliary applications, inter-network and intersystem operations, interfaces, and wireless packet data technologies.

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 it approved this document, WTSC, which was responsible for the development of this Standard, had the following member companies:

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The ATIS WTSC-G3GSN Subcommittee and the TIA TR-45.8 Subcommittee were responsible for the development of this document.

**TABLE OF CONTENTS**

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<b>1 SCOPE, PURPOSE, &amp; APPLICATION .....</b>	<b>1</b>
1.1 SCOPE.....	1
1.2 PURPOSE.....	1
1.3 APPLICATION.....	1
<b>2 NORMATIVE REFERENCES .....</b>	<b>1</b>
<b>3 DEFINITIONS, ACRONYMS, &amp; ABBREVIATIONS .....</b>	<b>2</b>
3.1 DEFINITIONS .....	2
3.2 ACRONYMS & ABBREVIATIONS.....	3
<b>4 WARN ACT .....</b>	<b>4</b>
4.1 KEY WARN ACT REQUIREMENTS .....	4
<b>5 FCC REPORT &amp; ORDER.....</b>	<b>5</b>
5.1 REFERENCE DIAGRAM.....	6
<b>6 ASSUMPTIONS .....</b>	<b>6</b>
<b>7 MANDATED MOBILE DEVICE REQUIREMENTS.....</b>	<b>7</b>
7.1 COMMON AUDIO ATTENTION SIGNAL .....	7
7.2 COMMON VIBRATION CADENCE.....	8
<b>8 GENERAL MOBILE DEVICE REQUIREMENTS .....</b>	<b>9</b>
8.1 PREEMPTION OF VOICE AND DATA CALLS .....	10
8.2 CMAS PRIORITY OVER OTHER MOBILE DEVICE FUNCTIONS.....	11
8.3 MOBILE DEVICE SUPPORT OF REQUIRED MONTHLY TEST (RMT).....	12
<b>9 FEATURE INTERACTION.....</b>	<b>12</b>
9.1 RECEPTION WHILE MOBILE DEVICE BUSY .....	13
9.2 CMAS MESSAGE INITIATION OF OTHER FUNCTIONS ON MOBILE DEVICE .....	13
9.3 BEHAVIOR WHEN CMAS ALERT RECEIVED AFTER SMS/MMS.....	13
9.4 BEHAVIOR WHEN CMAS ALERT RECEIVED AFTER NON-CMAS BROADCAST MESSAGE.....	14
9.5 BEHAVIOR WHEN SMS/MMS RECEIVED AFTER CMAS ALERT.....	14
9.6 BEHAVIOR WHEN NON-CMAS BROADCAST MESSAGE RECEIVED AFTER CMAS ALERT .....	14
9.7 BEHAVIOR WHEN INCOMING PHONE CALL RECEIVED AFTER CMAS ALERT .....	14
9.8 BEHAVIOR WHEN VOICE MAIL NOTIFICATION RECEIVED AFTER CMAS ALERT .....	14
9.9 BEHAVIOR FOR MULTIPLE CMAS ALERTS .....	15
<b>10 CMAS CONFIGURATION OPTIONS .....</b>	<b>15</b>
10.1 CMAS ALERT OPT-OUT OPTIONS.....	15
10.2 CMAS AUDIO ATTENTION SIGNAL OPTIONS.....	17
10.3 CMAS VIBRATION CADENCE OPTIONS .....	17
<b>11 CONSIDERATIONS FOR INDIVIDUALS WITH SPECIAL NEEDS.....</b>	<b>18</b>
<b>A USE CASES.....</b>	<b>19</b>
A.1 USE CASE #1 – CMAS CONFIGURATION .....	19
A.2 USE CASE #2 – CANCELLED ALERT.....	19
A.3 USE CASE #3 – UPDATED ALERT.....	20

**TABLE OF FIGURES**

---

FIGURE 1: CMAS REFERENCE ARCHITECTURE..... 6  
FIGURE 2: TEMPORAL PATTERN OF COMMON AUDIO ATTENTION SIGNAL..... 8  
FIGURE 3: TEMPORAL PATTERN OF COMMON VIBRATION CADENCE ..... 9  
FIGURE 4: ILLUSTRATIVE CMAS OPTIONS MENU..... 17

**TABLE OF TABLES**

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TABLE 1: CMAS - IMMINENT THREAT MESSAGE CATEGORIZATION..... 16

ATIS & TIA Joint Standard on –

# Joint ATIS/TIA CMAS Mobile Device Behavior Specification

## 1 SCOPE, PURPOSE, & APPLICATION

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This specification is a joint specification between the Alliance for Telecommunications Industry Solutions (ATIS) and the Telecommunications Industry Association (TIA).

### 1.1 Scope

One of the objectives of the Commercial Mobile Alert System (CMAS) is to define a set of requirements for the behavior of the mobile devices whenever a CMAS emergency alert is received. This specification defines a common set of requirements for GSM, UMTS, and CDMA based mobile devices. Implementation of the requirements contained within this specification is mobile device manufacturer dependent.

Even though the scope of CMAS includes paging systems, the behavior of paging devices for CMAS alert messages is not contained within this specification.

### 1.2 Purpose

The purpose of this specification is to define the common set of requirements for GSM, UMTS, and CDMA based mobile devices behavior whenever a CMAS alert message is received and processed. A common set of requirements will allow for a consistent user experience regardless of the associated wireless technology of the mobile device. Additionally, this common set of requirements will allow the various local, state, and Federal level government agencies to develop subscriber CMAS educational information that is independent of the wireless technology.

### 1.3 Application

This specification focuses on the mobile device behavior associated with the receipt and processing of the CMAS alert messages on CMAS compliant mobile devices.

## 2 NORMATIVE REFERENCES

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The following standards contain provisions which, through reference in this text, constitute provisions of this ATIS and TIA Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this ATIS and TIA Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.