



ATIS-0700041

ATIS Standard on -

**Wireless Emergency Alerts (WEA) 3.0:
Device-Based Geo-Fencing**



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Wireless Emergency Alerts (WEA) 3.0: Device-Based Geo-Fencing

Alliance for Telecommunications Industry Solutions

Approved May 2, 2019

Abstract

This standard specifies methods for delivering the alert originator provided circle or polygon targeted area to the mobile device along with the WEA 3.0 message text, including compression of the WEA 3.0 Warning Area Coordinate (WAC) Information Element (IE) polygons or circles.

Backward compatibility to the existing deployed base of pre-WEA 3.0 capable devices is addressed, as existing devices must continue to display the WEA 3.0 message.

Foreword

The Alliance for Telecommunications 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:

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The Systems & Networks (SN) subcommittee was responsible for the development of this document.

Table of Contents

1	Scope & Purpose.....	1
1.1	Scope	1
1.2	Purpose	1
2	References	1
2.1	Normative References	1
2.2	Informative References	1
3	Definitions, Acronyms, & Abbreviations.....	2
3.1	Definitions.....	2
3.2	Acronyms & Abbreviations	2
4	WEA Geo-fencing Requirements.....	3
5	Message and information element coding	3
5.1	WEA Handset Action Message (WHAM).....	3
5.1.1	WHAM Tag-Length-Value (TLV).....	3
5.1.2	WHAM TLV characteristics.....	4
5.1.3	WHAM tag coding.....	4
5.1.4	WHAM Active Alert Identity Tuple List.....	4
5.1.5	WHAM Active Alert Identity Tuple List – Common Warning Area Coordinates.....	5
5.1.6	Active Alert Identity Tuple.....	5
5.1.7	WHAM CMSP Defined Use	6
5.2	Warning Area Coordinates Information Element.....	6
5.2.1	WAC Tag-Length-Value (TLV).....	6
5.2.2	WAC TLV characteristics.....	7
5.2.3	WAC tag coding	7
5.2.4	Coordinate coding.....	7
5.2.5	Radius coding	8
5.2.6	WAC Polygon.....	8
5.2.7	WAC Circle	9
5.2.8	WAC Geo-Fencing Maximum Wait Time.....	10
5.2.9	WAC CMSP Defined Use	11

Table of Tables

Table 1	- WHAM TLV.....	4
Table 2	- WHAM TLV tags.....	4
Table 3	- WHAM Active Alert Identity Tuple List TLV	5
Table 4	- WHAM Active Alert Identity Tuple List – Common Warning Area Coordinates TLV ...	5
Table 5	- WHAM Active Alert Identity Tuple List TLV	6
Table 6	- WHAM CMSP Defined Use TLV.....	6
Table 7	- WAC TLV	6
Table 8	- WAC TLV tags.....	7
Table 9	- Polygon TLV.....	9
Table 10	- Circle TLV.....	10
Table 11	- Geo-Fencing Maximum Wait Time TLV.....	10
Table 12	- Geo-Fencing Maximum Wait Time values.....	10
Table 13	- WAC CMSP Defined Use TLV.....	11