



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.

Backwards 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.

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