



ATIS-0500022

ATIS Standard on -

TEST PLAN INPUT FOR A LOCATION TECHNOLOGY TEST BED

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ATIS-0500022, *Test Plan Input for Localization Technology Test Bed*

Is an ATIS Standard developed by the Emergency Services and Methodologies (ESM) Subcommittee under the ATIS Emergency Services Interconnection Forum (ESIF).

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

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Printed in the United States of America.

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Test Plan Input for a Location Technology Test Bed

Alliance for Telecommunications Industry Solutions

Approved October 2012

Abstract

The Emergency Services Interconnection Forum (ESIF), in support of The Communications Security, Reliability and Interoperability Council (CSRIC) has identified the need for industry accepted methodologies for testing the accuracy performance of Wireless E9-1-1 Phase 2 location systems in "Indoor" environments. Basic requirements for accuracy testing methodologies were addressed in ATIS Standard ATIS-0500001, High Level Requirements for Accuracy Testing Methodologies, released in May of 2004 (updated November 2011), and end-to-end functional testing requirements were addressed in ATIS Standard ATIS-0500000, High Level Requirements for End-to-End Functional Testing, June 2006. Furthermore, ATIS-0500013, Approaches to Wireless E9-1-1 Indoor Location Performance Testing, described in detail approaches and methodologies to wireless E-911 indoor location performance testing. This standard is intended to leverage these earlier standards and accepted methodologies, in particular ATIS-0500013, to provide a broad, baseline test plan document for use in comparative indoor location accuracy testing, such as that being considered within CSRIC III, Working Group 3. The content of this standard was transmitted to Working Group 3 and adopted for inclusion in its final report

Foreword

The Alliance for Telecommunication Industry Solutions (ATIS) serves the public through improved understanding between providers, customers, and manufacturers. The Emergency Services Interconnection Forum (ESIF) provides a forum to facilitate the identification and resolution of technical and/or operational issues related to the interconnection of wireline, wireless, cable, satellites, Internet and emergency services networks.

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, ESIF, 1200 G Street NW, Suite 500, Washington, DC 20005.

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

- K. Springer, ESIF Chair (AT&T)
- K. McMahon, ESIF 1st Vice-Chair (APCO)
- T. Reese, ESIF 2nd Vice-Chair (Ericsson)

The Emergency Services and Methodologies [ESM] Subcommittee was responsible for the development of this document.

- K. Springer, ESIF ESM Co-Chair (AT&T)
- S. Sherwood, ESIF ESM Co-Chair (Verizon Wireless)

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