



Working Group #1: NG9-1-1

Status Update

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WG#1 Objectives

Task 1 – Text-to-9-1-1

In March 2013, ATIS/TIA adopted the Joint ATIS/TIA Native SMS to 9-1-1 Requirements and Architecture Specification defining the requirements, architecture, and procedures for text messaging to 9-1-1 emergency services using native wireless operator texting capabilities for the existing generation and Next Generation 9-1-1 PSAPs. The standard, however, does not address the following areas:

- 1. Location Determination**
- 2. PSAP Requests for Service**

The sub group working on Task1 will address these issues.

Location Determination - report deadline March 2014

PSAP Requests for Service – report deadline December 2013



WG#1 Objectives

Task 2 – Location Accuracy and Testing for Voice-over-LTE Networks

- WG1 will examine whether recommendations in the March 2012 Report of CSRIC III WG 3 still apply for network-based carriers reconfiguring to Voice over LTE (VoLTE) platforms.
- WG1 will examine any necessary changes in the testing recommendations and recommend cost efficient measures to meet the current location accuracy parameters.

Report Deadline: December 2014

WG#1 Objectives

Task 3 – Specification for Indoor Location Accuracy Test Bed

The Working Group will examine the requirements to establish a permanent entity to design, develop, and manage an ongoing public test bed for indoor location technologies that can provide the FCC with regular comprehensive, unbiased and actionable data on the efficacy of location technologies. The Working Group will consider chartering requirements, including prerequisites for impartial test bed administration and maintenance of data confidentiality; types of entities that could assume the role as test bed administrators; technical requirements; scope and scale of necessary facilities and locations; permanent or contracted human resources to manage the test bed; start-up and ongoing cost requirements to maintain the test bed on an ongoing basis; and other considerations necessary to establishing an independent testing administrator.

Report Deadline: June 2014

WG#1 Members

- 55 Members to date
 - Industry
 - Public Safety
- 3 Sub Working Groups



Background

- **Task 1: Text to 9-1-1**

- December 2012 – “Big 4” announce interim text to 9-1-1 by May 2014
- May 2013 – FCC adopted rule to require bounce-back message by September 2013
- Issue: how to deliver caller location information with text message
- ATIS currently working on standard that specifies the provision of cell site and sector location information (Phase I)
- WG1 task - provide recommendations re provision of Phase II location information w/ text messages
- Issue: process for provisioning PSAP requests for interim text
- WG1 task - provide recommendations re best practices for PSAPs and service providers in provisioning PSAP requests for interim text to 9-1-1



Background

- **Task 2: Location Accuracy and Testing for Voice-over-LTE Networks**
 - Current FCC location accuracy requirements under 20.18(h) permit network-based carriers to begin “blending” their GPS handset-based location data with their network-based data at the different benchmarks between January 2012 and January 2019.
 - CSRIC III recommendations in the WG3 March 2012 Report for certain key performance indicators (KPIs) and the different types of empirical testing as part of the recommended maintenance testing
 - WG1 task - examine whether those recommendations still apply, recommend changes and cost efficient measures to meet the current location accuracy parameters



Background

- **Task 3: Specifications for Indoor Location Accuracy Test Bed**
 - CSRIC III WG3 recommended that the Commission charter future stages of the test bed under the auspices of future CSRIC working groups in order to continue the assessment of current and evolving location technologies.
 - WG 1 task - examine requirements to establish a permanent entity to design, develop, and manage an ongoing public test bed for indoor location technologies, make recommendations on requirements to maintain the test bed on an ongoing basis; and other considerations necessary to establishing an independent testing administrator.



WG#1 Status

- WG#1 has assembled a team of 55 members, representing diverse interests including:
 - telecommunications engineering,
 - telecommunications business,
 - public safety management;

who have subject matter expertise to accomplish the CSRIC IV charge.

- WG Co-Chairs conducted conference calls with FCC staff to clarify deadlines, requirements and task details



WG#1 Approach

- WG1 will divide into 3 subgroups.
 - Each sub working group will undertake one WG task.
 - Each sub working group will be led by a Chair.
 - Each sub working group will organize itself and conduct its own conference calls, meetings, etc., as it sees fit, and as resources of members allow.
 - Co-Chairs will conduct conference calls with sub working group chairs, to coordinate efforts of sub working groups.



WG#1 Schedule

Final WG#1 Reports:

- Task one:
 - 1 - March 2014
 - 2 - December 2013
- Task two: December 2014
- Task three: June 2014



Next Steps

- Continue to monitor WG#1 membership
- Develop a work plan to accomplish the CSRIC IV charge taking advantage of WG# members' subject matter expertise
- Organize Working Group into 3 sub working groups
- Recruit volunteers to lead 3 sub working groups
- Begin scheduling sub working group calls
- Begin scheduling monthly subgroup chair calls
- Provide ongoing status updates to Steering Committee and Council

