

LTE Standards Strategy for Public Safety

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Purpose

- To review PSCR's standards strategy
 - Are any assumptions incorrect?
 - Is there a better way to achieve our goals?

Agenda

- PSCR Broadband Standards Efforts
 - Three Paths for Standards Information
 - ATIS Participation
 - 3GPP Participation
 - Timeline
- *Please stop me at any time to point out an incorrect assumption

PSCR Broadband Standards Efforts

- PSCR uniquely positioned to communicate public safety requirements to 3GPP
- LTE specifications managed by 3GPP
- ATIS is the North American Organizational Partner
- Department of Commerce is member of ATIS
- NIST/OLES is a member of 3GPP (guest status currently)



PSCR will be directly involved in commercial standards, representing public safety requirements.

Three Paths for Standards Info

- Demonstration Network
 - Problems discovered through testing
 - Features developed through user needs
- Existing Requirements
 - Gap analysis of public safety req's with standards
 - SAFECOM Public Safety Statement of Requirements
 - Is technology and spectrum agnostic
 - NPSTC Public Safety 700MHz SoR
 - Is technology agnostic but spectrum specific
 - NPSTC Broadband Task Force Report
 - Is technology and spectrum specific
- New requirements



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ATIS Participation

- Components of ATIS participation
 - Pre-consensus work with North American members prior to 3GPP work item creation
 - Regulatory discussion from FCC PSHSB regarding Public Safety 700MHz broadband

3GPP Participation

TSG Structure

TSG GERAN
GSM EDGE Radio
Access Network

GERAN WG1
Radio Aspects

GERAN WG2
Protocol Aspects

GERAN WG3
Terminal Testing

TSG RAN
Radio Access
Network

RAN WG1
RL 1 Spec

RAN WG2
RL 2 Spec
RL 3 RR Spec

RAN WG3
Lub, lur, lu specs
UTRAN O&M Reqs

RAN WG4
Radio Perf
Protocol Aspects

RAN WG5
Mobile Terminal
Conformance Testing

TSG SA
Service &
Systems Aspects

SA WG1
Services

SA WG2
Architecture

SA WG3
Security

SA WG4
Codec

SA WG5
Telecom Mgt

TSG CT
Core Network &
Terminals

CT WG1
MM/CC/SM (lu)

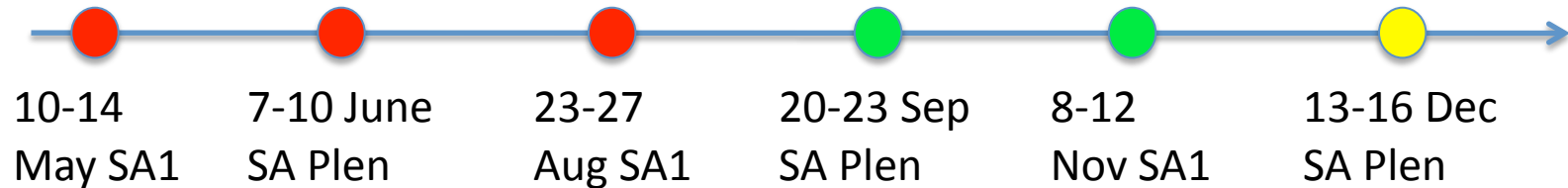
CT WG3
Interworking w/ Ext networks

CT WG4
MAP/GTP/BCH/SS

CT WG6
Smart Card App Aspects



Timeline



Targeted meeting attendance:

- SA Plenary Meeting September 20-23, 2010
 - Attend Plenary to get up to speed on current events
- SA1 WG Meeting November 8-12, 2010
 - Attend SA1 WG in anticipation of PS req's analysis
- SA1 WG Meeting TBD (February, 2011?)
 - Attend SA1 WG in anticipation of PS Demo Network output

Review of Purpose

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