XMPP for Emergency Services

Hannes Tschofenig
Background

• PhoneBCP, NENA i3, and EENA NG112 all talk about SIP-based IM for emergency services support.
  – Today’s deployments do not use SIP for IM.
  – XMPP is in widespread usage.
• Emergency services would like to offer emergency services support for those who use XMPP as their communication mechanism.
• All the attention on emergency services had been focused on SIP so far and therefore the work is far more advanced.
  – Even the most basic emergency services concepts are missing in XMPP.
Standardizing XMPP Emergency Services Functionality


- As always, there is the question where the functionality has to be provided
  - Section 3 talks about a gateway architecture and an e2e architecture.
Requirements

• Are the requirements for XMPP the same as for SIP?
  – For some reason people believe that this is not the case. (Some requirements are just not “convenient”.)

• Is it possible to fold some of the experience with SIP ES back into XMPP?
  – Where do we believe wrong design choices have been made?
  – Can we simplify?
Functionality

• Emergency Call Marking
• Location
• Routing
• Voice and Video
• “Real-Time Text“
• PSAP Callback
• Additional Data
Suggestions?