XMPP for Emergency Services

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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

- http://tools.ietf.org/html/draft-tschofenig-ecrit-xmpp-es-00 aims to take a first look at the areas of mismatch.

- 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?