IEEE 802.23 Emergency Services Working Group
Manchester Hyatt
San Diego, CA
July 13-15, 2010

The meeting was called to order by (interim appointed) Chair Geoff Thompson at 09:03 AM on 13 July in Room Ford C of the Manchester Hyatt.

All of our documents can be found in our area on the document server at:
  https :// mentor.ieee.org/802-sg-emergency-services/Documents

 - Agenda review & modification

The draft agenda had been sent to the reflector and was posted as:
  sg-emergency-services-10-0040-00-ESSG-es-draft-agenda-for-san-diego.txt

  Motion to approve: Farrokh Khatibi

  Second: George Bumiller

  Approved without objection.

- Introductions

- Attendance

- Call for patents

    (Please be familiar with IEEE patent policy)

    http://standards.ieee.org/board/pat/pat-slideset.pdf

- Agenda review & modification

- Review of project history

- Requirements definition/refinement

- Rough schedule planning, route to a standard

- Develop task list

- Technical presentations

- Start outlining draft

- Working Group initialization

    - Elections

    - Establish initial WG membership

    - Initial WG Operating Rules

- Signup for task items

- Plans for conference calls, checkpoints before September

- Plans for September interim

- Motions, report items for Friday EC

- Any other business

- Adjourn

- Introductions & Attendance
Attendees introduced themselves and their affiliations and an attendance sign-up sheet was passed around. The attendance report has been posted on the server as document #44

The patent policy slides were reviewed and there was a call for patents. There were no respondents.

The chair announced that the May meeting minutes were available on the document server as #39. He reviewed the events of the May meeting.

- WG procedures

The WG Chair announced that now that the group had obtained a PAR (as of March 25) we would be ruled by 802's default rules for the operation of WGs.
See: http://www.ieee802.org/PNP/2009-11/LMSC_WG_PandP_approved_091120_rev_100213.pdf
As such, attendance credits would now be tracked and participants would be diffentiated between "voters" and "observers". All attendees at the 1st WG meeting at a Plenary (i.e. July 2010) who have full attendance credit for that meeting will become voting members. After that, voting membership in a WG is established by achieving participation credit at the sessions of the WG for two out of the last four plenary sessions; one duly constituted interim WG or Task Group session may be substituted for one of the two plenary sessions required to establish membership.

Also, the group is now governed by the IEEE Patent Policy which was retrieved from:
   http://standards.ieee.org/board/pat/pat-slideset.ppt
and read to the group. See previous item.

<u>Detailed Description of the Project</u>

The main objective of 802.23 is in the case of the scenario where the client does not have location information required to accompany a citizen-to-authority emergency call. In that case, the client requires assistance from its L2 interface to the network to get that information.

The job of 802.23 is to have that information readily available and provide it to the upper layer interface of the 802.23 shim.

Reporting can be directly from the client to the authority (e.g., PSAP) in which case there is no need for 802.23 involvement, or from an L2 Relay device back to the client to assist with the location information.
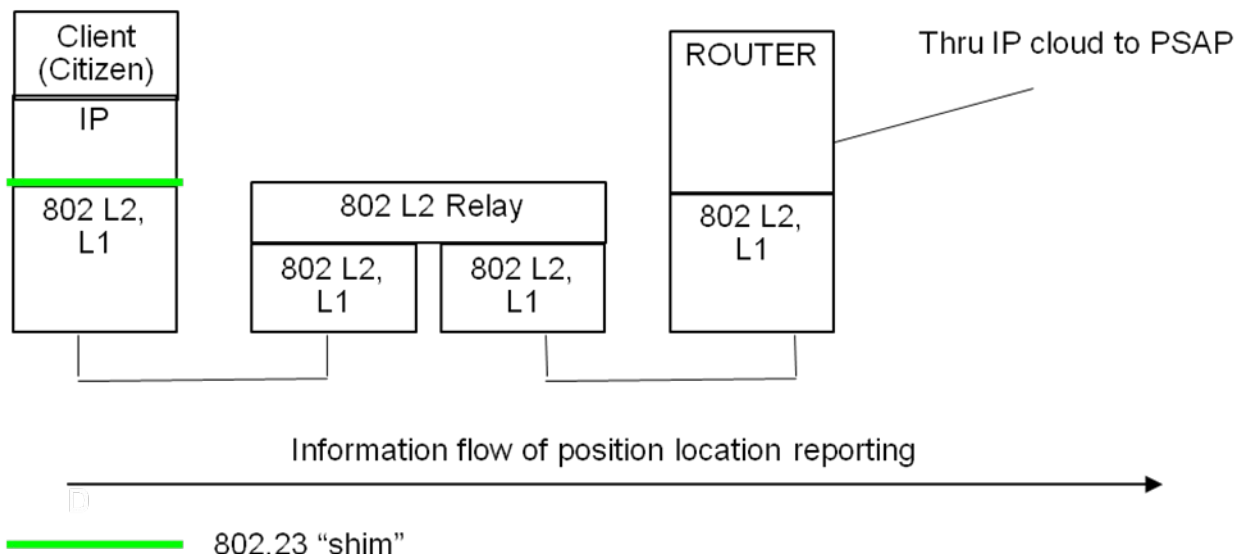
The 802.23 sub-layer in the client communicates with 802 relay entities elsewhere in the network via a Layer 2 protocol in order to gather the needed location information.

First focus of this WG will be Voice over Internet Protocols (VoIP) based on IETF ECRIT requirements and to satisfy those requirements across 802, that is consistently for all 802 MACs.

The group will not address nor specify location determination mechanisms – just location reporting techniques.

<u>Issues to be addressed</u>

Security issues:

There will be significant security issues associated with this project, such as:

Authenticated/unauthenticated users

Privacy issues

Integrity

Location

Additional details are captured in a separate document.

Requirements:

We will consider various existing location reporting technologies and decide what is left for 802 case. Technologies such as SUPL, NENA i3, etc. to be considered.

First focus of the group activity will be to document the requirements definitions:
- Specifically review ECRIT requirements and extract the relevant parts
  - Need a list of relevant ECRIT documents (AI: Richard Barnes)
- Review of existing ES 802 reporting technologies
  - Are they sufficient or we need to come up with a superset
    - 802.11 (AI: George Bumiller)
    - 802.16 (AI: Geoff to find a stuckee via Roger)
    - WiMax Forum (AI: Geoff to find a stuckee via Roger)
- Review of exsiting reporting technologies from other SDOs
  - NENA (AI: Vijay Patel)
  - OMA SUPL (AI: Farrokh Khatibi)
- System level requirements from various regulatory bodies
  - Korea (AI: Kanghee Kim)
    - Korean National Standards Requirements for Emergency Calling
  - US and Canada (AI: Scott Henderson)
  - UK/EU (AI: Geoff to talk to Stephen McCann)
- Security
  - Requirements (AI: Geoff to talk to Bob Moskowitz)

<Break>

Futhermore we need to clearly and precisely define the following terms for common understanding within the work of the group:
- Access Provider
- Service Provider
- Application Provider

This understand will be especially important with respect to discussion of the issues associated with

unauthenticated users, the the techical issues that must be surmounted and whether or not such a requirement exists and/or is appropriate. [AI: Carl Kain]

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After considerable discussion on alternative locations for the next meeting, the consensus was to meet in Hilton Waikoloa Village, September 14-16 starting on Tuesday 14th at noon. The group plans to meet Tuesday afternoon plus all day Wednesday and Thursday.

No conference calls are planned before the September interim meeting.

In order to achieve a baseline, common understanding so that we can start the development of the draft, each member of the group was encouraged to read the following IETF documents:
- RFC 5012
- Best Current Practice for Communications Services in support of Emergency Calling draft-ietf-ecrit-phonebcp-15

In addition, members of the group should become familiar with the existing location mechanisms in 802 MACs (e.g. 802.11, 802.16) and Layer 2 protocols for moving such information across an 802 network, especially:

LLDP (Specified in IEEE Std 802.1AB)

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The Working Group reconvened at 9:02 AM on Thursday morning to hold elections for the position of elected Chair. The only candidate was Geoff Thompson. 802 Chair Paul Nikolich was present to conduct the election. Standards Board Chair Robert Grow was present to monitor the election. Interim Chair Geoff Thompson presented and reviewed the attendance to establish who was eligible to vote in the election of the chair. There were 6 people present (not including the interim chair) who were eligible by virtue of their participation during the week. The 802 Chair declared that he, too was eligible to vote. The candidate left the room for the duration of the voting process. Geoff Thompson was elected Chair by a vote of 7/0/0.

The arrangements and schedule for the interim meeting were again reviewed and it was emphasized that there was significant cost savings associated with completing registration and hotel reservations before July 23. Please see: http://ieee802.facetoface-events.com/session/65

The session was adjourned at 9:30 AM.

Minutes by: Farrokh Khatibi
               Geoff Thompson