

IEEE 802 Emergency Services EC Study Group

End of Week REPORT

Session Number 01

22-24 September 2009

**Co-located with
IEEE 802 Wireless Interim
Hilton Waikoloa Village
425 Waikoloa Beach Drive
Waikoloa, HI. 96738**

Geoff Thompson Chair, IEEE 802 Emer Serv ECSG
<thompson@ieee.org>

Agenda, minutes, documents:
<https://mentor.ieee.org/802-sg-emergency-services/documents>

IEEE 802 Emergency Services Study Group

OFFICERS

Geoff Thompson, Chair

Harry Worstell, Sec'y

(All other positions will remain vacant for the time being)

Sessions & Participants

Met Tuesday AM & PM

Wed PM & Thursday AM

In Waikoloa 3

12 people participated during the course of this week's session.

(Avg attendance at any one time was lower)
(About 3-5)

Motion to form Emergency Services ECSG

As finally voted by EC on Friday

- **Request the IEEE 802 Executive Committee to create an IEEE 802 ECSG to address Emergency Services issues in IEEE 802 networks with the following objectives:**
 - Develop an architecture (scope(s) and purpose(s)) as to how to fit Emergency Services into the IEEE 802 architecture (i.e., state the problem in terms that we can deal with).
 - Define, in conjunction with upper layer SDOs, L2 requirements (including regulatory requirements) to support ES for IEEE 802 technologies
 - Develop a set of PAR/5C to satisfy the above requirements
 - Moved: Vivek Gupta
 - Seconded: Pat Thaler
 - Result: 14/0/0 PASS

Restricting Scope

We intend to confine the first project to:

Citizen – to – Authority (E911) communications

Focus on IP based “calls”

Drafted proposed new Scope

Scope of Proposed Standard:

- This standard will define a mechanism that supports the need for consistent data that is specifically required for citizen-to-authority emergency services packet data encoded session initiation request and support compliance within IEEE 802 to applicable civil authority requirements.
- A new MAC or PHY is outside the scope of this effort.

Drafted proposed new Purpose

- The purpose of this standard is to support compliance to civil authority requirements complementary to IETF ECRIT specifications for citizen to authority emergency services functionality. This standard intends to encompass voice, data and multi-media requests across IEEE 802 using a new Layer 2 entity and associated behaviors and provide a uniform Structure of Management Information (SMI) for transferring required data for emergency services requests.

Drafted/Revised other PAR text (1)

5.5 Need for the Project:

VoIP emergency calls are less effective than those provided by traditional wireline and contemporary cellular networks.

Data encoded emergency calls across IEEE 802 technologies need to support regulatory requirements to assure successful completion of these calls to the correct Public Service Access Point (PSAP), and to do so utilizing the existing set of IEEE 802 PHYs and MACs.

Drafted/Revised other PAR text (2)

5.6 Stakeholders for the Standard:

Emergency Service authorities and government agencies (e.g. NENA, and the equivalent bodies in ROW); IETF; other telecom, cellular and emergency services standards development organizations (e.g. IETF, 3GPP, ETSI EMTEL). Within IEEE 802, the expected stake holders will be 802.1, 802.3, 802.11, 802.16, 802.20 and 802.22 as potential layer 2 alternatives and 802.21 for related handover development.

Reworked 5 Criteria

- During the meeting we thought we were done.
- Reviewing afterward, I think we need to refine them some more.
- Therefore, I won't go through them here.
- The current state is posted on the Mentor web site as “Agenda ~~~0924~~.pdf”
- See last slide for URL

Plans

Next meetings

- Atlanta Plenary

We will meet mid-week.

(Major activity will be refining PAR & 5C and pitching project to the other WGs)

- January Interim

Will be co-located with 802.16 et al at La Jolla (San Diego), CA, Jan 11 – 14, 2010
(Interim sponsor is IEEE 802)

- Get PAR approved no later than March.

IEEE 802 Emergency Services EC Study Group

End of Week REPORT

Geoff Thompson Chair, IEEE 802 Emer Serv ECSG
<thompson@ieee.org>

Agenda, minutes, documents:
<https://mentor.ieee.org/802-sg-emergency-services/documents>

Your participation is encouraged

THANK YOU