\<unassigned\>

Submitter Email: thompson@ieee.org
Type of Project: New IEEE Standard
PAR Request Date: 16-Nov-2009
PAR Approval Date:
PAR Expiration Date:
Status: Unapproved PAR, PAR for a New IEEE Standard

1.1 Project Number: \<unassigned\>
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Local and Metropolitan Area Networks- Emergency Services for Internet Protocol (IP) Based Citizen to Authority Communications

3.1 Working Group: Emergency Services Executive Cmte Study Group (C/LM/ES EC SG)
Contact Information for Working Group Chair
  Name: Geoffrey Thompson
  Email Address: thompson@ieee.org
  Phone: 650 938 2582
Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Computer Society/Local and Metropolitan Area Networks (C/LM)
Contact Information for Sponsor Chair
  Name: Paul Nikolich
  Email Address: p.nikolich@ieee.org
  Phone: 857.205.0050
Contact Information for Standards Representative
None

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 12/2011
4.3 Projected Completion Date for Submittal to RevCom: 12/2012

5.1 Approximate number of people expected to be actively involved in the development of this project: 12
5.2 Scope: This standard defines a mechanism that provides consistent data as required for citizen-to-authority emergency services packet data encoded session initiation requests.
The standard supports compliance across IEEE 802 to applicable civil authority requirements.
(A new MAC or PHY is outside the scope of this effort. Delete this statement before final submission to NESCOM)
A new MAC or PHY is outside the scope of this effort.
5.3 Is the completion of this standard dependent upon the completion of another standard: Yes
If yes please explain: This standard will need to work with the set of standards currently under development by IETF-ECRIT working Group.

5.4 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 over Internet Protocol (VoIP) requests across IEEE 802 using a new Layer 2 entity and associated behaviors and to provide a uniform Structure of Management Information (SMI) for transferring required data for emergency services requests.
5.5 Need for the Project: VoIP emergency calls are currently less effective than those provided by traditional wireline and cellular networks. Emergency calls across IEEE 802 technologies need to support regulatory requirements to assure successful completion (and all associated requirements) 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.
5.6 Stakeholders for the Standard: Emergency Service authorities and government agencies (e.g. National Emergency Number Authority (NENA), and the equivalent bodies in the rest of the world); IETF; other telecom, cellular and emergency services standards development organizations (e.g. IETF, Third generation Partnership Project (3GPP), ETSI-Emergency Telecommunications (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.

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.b. Is the Sponsor aware of possible registration activity related to this project?: Yes
If yes please explain: We expect that this standard will require a new EtherType.

7.1 Are there other standards or projects with a similar scope?: No
7.2 International Activities
  a. Adoption
  Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: Do Not Know
    Organization:
    Technical Committee Name:
    Technical Committee Number:
    Contact Name:
    Phone:
    Email:
  b. Joint Development
  Is it the intent to develop this document jointly with another organization?: Yes
    Organization: Internet Engineering Task Force (IETF)
    Technical Committee Name: Emergency Context Resolution with Internet Technologies (ECRIT)
    Technical Committee Number: Does Not Apply
    Contact Name: Hannes Tschofenig
    Phone:
    Email:
  c. Harmonization
  Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: Do Not Know
    Organization:
    Technical Committee Name:
    Technical Committee Number:
    Contact Name:
    Phone:
    Email:

8.1 Additional Explanatory Notes (Item Number and Explanation): There are increasingly uniform regulatory requirements that are being imposed on telephone systems across the world on the handling of calls to Emergency Services (911 calls in the US, for example). These requirements have been extended to cellular telephony and are being further extended to cover all cases of packet based telephony services. Voice over Internet Protocol (VoIP) is the most common of these. VoIP calls can easily originate on an 802 network. There is a need for such calls to be handled uniformly at the interface between the 802 Layer 2 network and the Internet. IETF-ECRIT is the group tasked with developing the Internet standards to meet these requirements for the upper layers of the protocol stack. This 802 effort will work with ECRIT to develop a complete solution.