



Statement Of Support

MetroNet6, u-2010 and IPv6 Forum Advocate Worldwide Interoperability Cooperation on Public Safety, Emergency & Disaster Management

The following call by the FCC is highly supported by the US-based [MetroNet6](#) project, the [North American IPv6 Task Force](#), the European [u-2010](#) project and the International [IPv6 Forum](#):

Reference: The FCC SEEKS COMMENT ON IMPLEMENTATION OF A NATIONWIDE, BROADBAND, INTEROPERABLE PUBLIC SAFETY NETWORK IN THE 700 MHZ BAND Washington, D.C. - The Commission today adopted a Ninth Notice of Proposed Rulemaking that proposes a national, centralized approach to maximize public safety access to interoperable, broadband spectrum in the 700 MHz band. In addition, the initiative seeks to promote the deployment of advanced broadband applications, related radio technologies, and modern, IP-based system architecture.

The benefits of IP-based services (and specifically IPv6-based) are numerous:

- Commercial Off The Shelf products (COTS)
- Cost savings in deployment of public safety networks
- Proliferation of innovative safety products (networked RFID, Sensors)
- Interoperable IP capable networks nation-wide and worldwide
- Enablement of Trusted End-to-End IP based Network Security
- Enablement of IP based Network Management
- Enablement of IP based Seamless Network and Node Mobility
- Enablement of Next Generation Network Application Services to Users

- Common open standards communication protocol to support multiple wireless networks configuration and integration (e.g. Sensor, Link, Internet)

Recent large catastrophes and crisis situations like the Tsunami at the end of 2004 and the Katrina hurricane of September 2005 dramatically showed the importance of communication to prevent the deaths of thousands of people.

MetroNet6 is a prototype and design center in process to be an Internet Protocol (IP) based interoperability wireless and wireline cloud and ad hoc mobility layer using more efficient, more secure, and roomier “upgraded” Internet standards available from the Internet Protocol Version 6 (IPv6), that when layered over emergency-response management networks will enable seamless mobile communications between first responders.

The effort of the u-2010 project will address the public safety issues by researching new emergency and crisis management solutions investigating on innovative and state-of-the-art communication technologies based on the current and new Internet technologies (Internet Protocol version 6 – IPv6) that could be put to use and resolves this monumental task.

The IPv6 Forum welcomes the opportunity as follow-up from this memorandum to have further discussions to support the requirement of an IP based architecture approach within the FCC.

About MetroNet6

MetroNet6 is a project sponsored by the North American IPv6 Task Force www.nav6tf.org and being led by the NAV6TF sub-chapter California IPv6 Task Force www.cav6tf.org to develop a Wireless MESH prototype network to support network communications within an Emergency Response Network Management framework and topology, supporting First Responders, and will collaborate with the NAV6TF Moonv6 www.moonv6.org project to support a wide-area-network to emulate Command Control Communications. Further information on MetroNet6 and contact information can be found at <http://www.cav6tf.org/html/metronet6.html>.

About The u-2010 Project

Ubiquitous IP-centric Government & Enterprise NGN Vision 2010 (u-2010):

The u-2010 research project is designed to support RTD on public safety communication including work on the integration of alert systems, communication to and from the citizens and rapidly deployable emergency telecommunications systems. The safety needs of local personnel in the front line as well as the specific need to enhance international response to major disasters will be considered. www.u2010.eu

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