



Motorola Supports Public Safety Coalition and Offers Six Point Plan to Make Public Safety Broadband a Reality

Background

The need for additional spectrum for public safety data and video communications has long been recognized. From the Public Safety Wireless Advisory Committee Report released on September 11, 1996, to the 9/11 Commission report in 2005, to a failed D block auction nearly two years ago, there has been broad public and private sector support for providing public safety with the resources necessary to meet its communications requirements. The right combination of rules, spectrum and funding to bring the public safety broadband network to reality is long overdue. Motorola supports the coalition of major public safety organizations encouraging such action.

Motorola's Position

Motorola recommends the following six point plan to enable the implementation of public safety broadband communications that meet both operability and interoperability requirements:

- 1. Legislation:** Pass legislation reallocating the 700 MHz D block for public safety use and add that spectrum to the nationwide Public Safety Broadband License (PSBL) held by the Public Safety Spectrum Trust (PSST).
- 2. Funding:** Identify sources of funding, including multi-year Federal appropriations as needed, to enable deployment and maintenance of the public safety broadband network, as well as implementation of the nationwide framework for interoperability.
- 3. Regulatory Structure:** Adopt a regulatory structure that enables deployment by public safety host agencies that need to control their own regional system. This structure should also include third parties serving agencies who are unable to deploy, operate or maintain their own system. These host agencies or designated third parties would serve all public safety agencies in their respective region who want access to the broadband network under spectrum use agreements with the PSST.
- 4. Interoperability Framework:** Establish a national framework for interoperability that the PSST would administer through spectrum use agreements with public safety host agencies that want to deploy regional networks. This framework would include designation of Long Term Evolution (LTE) as a common radio access network technology nationwide and a basic set of broadband software applications all agencies would have for interoperability.
- 5. User Choice:** Provide all agencies using the network the right to choose and deploy their own interoperable portable/mobile devices and software applications in addition to those designated for interoperability.
- 6. Inclusion and Prioritization:** Permit Federal, state/local public service functions, and critical infrastructure entities as users on the public safety broadband network to enhance



interoperability. Allow host agencies, in coordination with these users and the PSST, to set prioritization among the various users as required, a capability LTE technology can provide.

Benefits of the Plan

Reallocating the D block and adding it to the PSST's license provides 20 MHz of spectrum for public safety broadband communications to support the delivery of high speed data and video information. When added to the continued use and deployment of mission critical voice systems, public safety can have the full range of communications tools needed, all designed with the security and reliability essential to meet operational requirements. While this is a modest amount of spectrum in the context of broadband, the D block will provide public safety the capacity needed in urban areas and will enable broadband speeds in rural areas with fewer transmit sites, resulting in lower costs. Adding the D block also helps provide the capacity needed to enable improved interoperability across multiple levels of government – local, state and Federal – especially in times of crises events when all networks are typically stressed to their peak capacity.

Motorola joins public safety representatives in their call for Congress to identify sources of funding to deploy and maintain the public safety broadband network. Throughout history, making major infrastructure deployments a reality has necessitated Federal funding support in some form.

This six point plan sets forth the framework to adopt rules providing public safety with the control and flexibility required to deploy broadband systems that meet unique regional operability needs, while maintaining the degree of commonality for nationwide interoperability.

As this Administration and Congress take action to enable broadband to the general public, it should also act now to enable broadband systems for the unique needs of the public safety community.

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