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Nationwide Public Safety Broadband Network

LEGISLATIVE SUCCESS

Middle Class Tax Relief & Job Creation Act of 2012

Title VI - Public Safety Communications & Electromagnetic Spectrum Auctions

Approved by Congress – February 17, 2012

Signed by President Obama - February 22, 2012



Global Justice Information Sharing Initiative
Advisory Committee (GAC)
Washington, DC
April 11, 2012

Nationwide Public Safety Broadband Network



Vice President Joseph Biden & Public Safety Leaders—White House, February 21, 2012
Commemorating Legislation Creating Nationwide Public Safety Broadband Network

Left to Right: Chief Charles Werner, Richard Mirgon, Deputy Chief Charles Dowd,
Chief Jeff Johnson, Chief Chris Moore, Commissioner Ray Kelly, Chief Al Gillespie,
Vice President Biden, Chief Walt McNeil, Chief Harlin McEwen, Mick McHale, Tommy Nee

Nationwide Public Safety Broadband Network

LEGISLATIVE SUCCESS

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MOSTLY POSITIVE

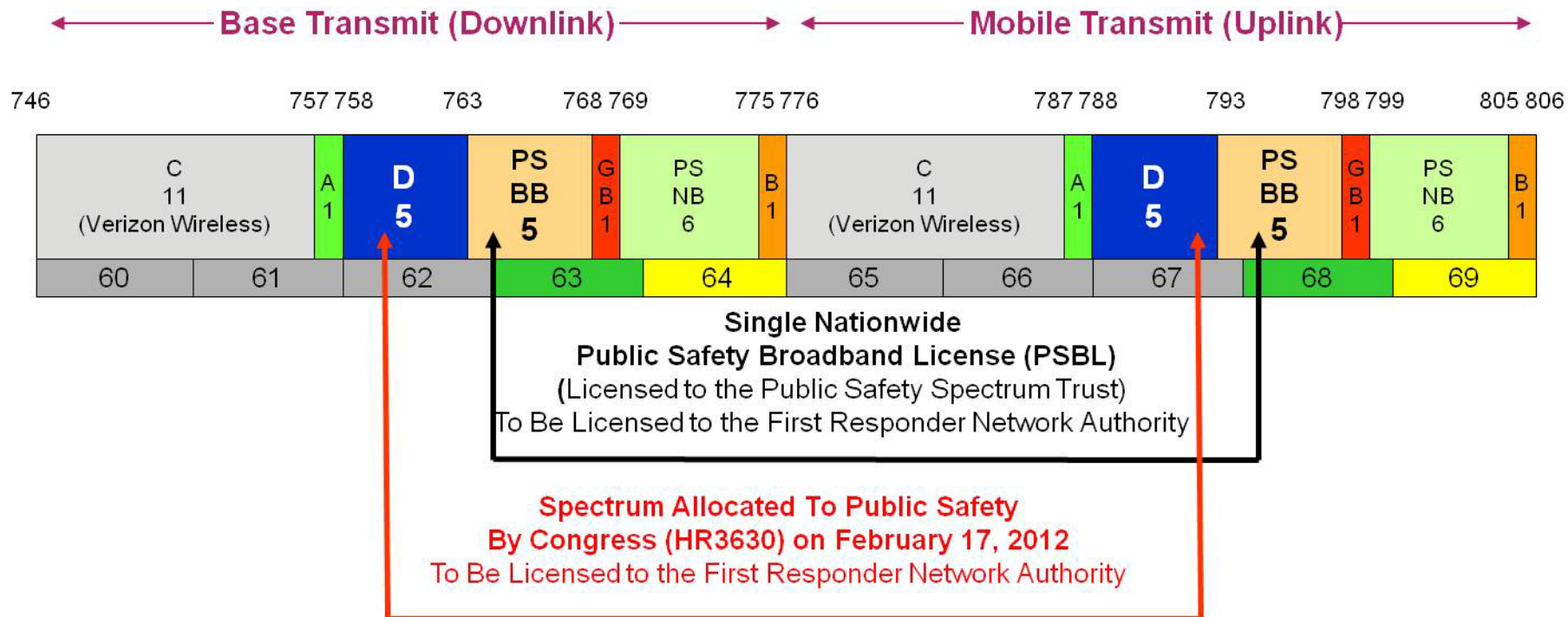
1. Allocates D Block to Public Safety
2. Provides \$7 billion federal funding for the network
3. Establishes new nationwide governance (FirstNet)

ONE NEGATIVE

1. Takes back T-Band spectrum allocation from public safety in 9 years
Negatively affects a number of major cities and urban areas

Nationwide Public Safety Broadband Network

Upper 700 MHz Band Plan



Nationwide Public Safety Broadband Network

Benefits

Building a new Nationwide Public Safety Interoperable Wireless Broadband Network presents an opportunity to bring commercial technologies to the public safety community that will allow them access to more reliable and secure wireless data services than currently available from commercial carriers.

Nationwide Public Safety Broadband Network

The Vision of Public Safety

Government Funding to build out, maintain and refresh the network

Private Funding from Public/Private Partnership(s) will also be necessary to sustain the network and augment government funding

Network reliability, security, and coverage greater than currently provided by commercial carriers but giving public safety access to the latest commercial technologies

Priority access and adequate spectrum for public safety

An eventual satellite component that will provide coverage when terrestrial service is disrupted or in areas where terrestrial service will not ever be available.

Nationwide Public Safety Broadband Network

Title VI - Public Safety Communications & Electromagnetic Spectrum Auctions

Establishes Technical Advisory Board within the FCC

On Thursday, March 22, the FCC announced appointment of 14 members. Board held first meeting on Monday, March 26. The Board, in consultation with the NTIA, NIST, and OEC, shall develop minimum technical requirements to ensure nationwide network interoperability. They must submit their recommendations to the FCC no later than May 22, 2012. Not later than 30 days after received, the Commission shall approve the recommendations, with any revisions it deems necessary, and transmit such recommendations to the FirstNet. The Technical Advisory Board shall terminate 15 days after the date on which the FCC transmits the recommendations to FirstNet.

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Title VI - Public Safety Communications & Electromagnetic Spectrum Auctions

Establishes First Responder Network Authority (FirstNet)

FirstNet Board, an independent authority under NTIA, shall consist of 15 members:

The Secretary of Homeland Security, Attorney General of the United States, Director of the Office of Management and Budget, and 12 members appointed by the Secretary of Commerce not later than 180 days after enactment (August 20, 2012).

- a. Not fewer than 3 individuals to represent the collective interest of the States, localities, tribes, and territories.
- b. Not fewer than 3 individuals who have served as public safety professionals.
- c. Seek to ensure geographical, regional, rural and urban representation
- d. Each member appointed should meet not less than 1 of the following criteria: Public Safety Experience; Technical Expertise; Network Expertise, Financial Expertise

Nationwide Public Safety Broadband Network

Title VI - Public Safety Communications & Electromagnetic Spectrum Auctions

\$7 billion for Network Construction Fund (from commercial spectrum auction proceeds). Can be used for construction, operations, maintenance, and upgrades.

- a. \$2 billion initial funding – NTIA may borrow, from the U.S. Treasury, up to \$2 billion to initially implement
- b. Permanent Self Funding; Duty to Assess and Collect Fees for Network Use: Includes Network User Fee (user or subscription fee from each entity, including any public safety entity or secondary entity) and Lease Fees (any entity that seeks access to network capacity on a secondary basis for non-public safety services).
- c. \$135 million to a State & Local Implementation Fund for NTIA grants to state, regional, tribal, and local jurisdictions to identify, plan, and implement (20% match required unless waived by NTIA)
- d. \$155 million for 911 and NG 911 grants
- e. \$300 million to NIST for public safety communications research and development.

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State and Local Implementation

Upon completion of an RFP process conducted by FirstNet (no timeline), FirstNet shall provide to the Governor of each state details of the proposed plan for buildout of the nationwide network in such state.

No later than 90 days after the date on which the Governor receives notice from FirstNet, the Governor shall choose whether to participate in deployment of the nationwide network as proposed by FirstNet or conduct its own deployment of a radio access network in such State.

If a Governor decides to opt-out, there are detailed requirements, including timelines, for submitting an alternative plan to the FCC which may approve or disapprove the plan.

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Title VI - Public Safety Communications & Electromagnetic Spectrum Auctions

T-Band Spectrum Reallocation

Not later than 9 years after date of enactment (February 22, 2012) the FCC shall reallocate the spectrum and begin a system of competitive bidding to grant new licenses for the spectrum.

The spectrum auction proceeds shall be available to the Assistant Secretary of Commerce to make grants to cover relocation costs for the relocation of public safety entities from the T-Band.

Relocation of public safety shall be completed not later than 2 years after the date on which the system of competitive bidding is completed.

Study on Emergency Communications By Amateur Radio and Impediments to Amateur Radio Communications

FCC must complete (in consultation with OEC) not later than 180 days after the enactment (August 20, 2012)

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What Are The Future Benefits?

Other than reliability, security, coverage, and public safety priority access, the future is exciting and almost unlimited.

Specialized Public Safety Applications (Apps) similar to those currently available on smart phones & devices such as iPhones, iPads, and Android Devices.

Public Safety 9-1-1 information such as photo & video info sent in by citizens reporting incidents using smart phone devices.

Law Enforcement Apps that will access FBI CJIS Services like NCIC, Criminal History Information, and Nlets Services like access to DMV records, Driver's License & Corrections Photos and easy access to records management systems (RMS).

Fire Service Apps that will access records of building plans, hydrant locations, hazardous material records, etc.

Emergency Medical Apps such as transmission of vital signs to hospitals, access to medical histories, etc.