NPSTC

FCC Decision on Railroad Police Interoperability

Stu Overby

NPSTC Support

IACP Communications & Technology Committee

San Diego, CA

October 16, 2016

The member organizations of the National Public Safety Telecommunications Council are grateful to the Department of Homeland Security's Science and Technology Directorate, Office for Interoperability and Compatibility (OIC) and the National Protection and Programs Directorate, Office of Emergency Communications (OEC) Points of view or opinions expressed are those of the originators and do not necessarily represent the official position or policies of the U.S. Department of Homeland Security.

Railroad Police Interoperability

- IACP initiated action and partnered with NPSTC
- NPSTC petitioned FCC in May 2014 to provide railroad police eligibility for public safety interoperability channels
- Historically, such use has required MOUs with every jurisdiction of travel

Railroad Police Interoperability

- FCC issued decision August 23, 2016.
- Rules become effective October 28, 2016.

Deputy Chief Eddie Reyes thanks Admiral David Simpson, FCC

Railroad Police Interoperability

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…And we thank Chief Harlin McEwen who started it all!

FCC Decision

- RR Police empowered to carry out law enforcement functions can use the interoperability/mutual aid channels in the VHF, 220 MHz, UHF, 700 MHz and 800 MHz bands
- FCC uses modified FRA definition of RR Police Officer
- Includes class I, II & III freight RRs, Amtrak, Alaska RR, commuter RRs & passenger rail transit systems
- Covers full-time or part-time RR Police
- Requires MOU/approval from state(s) of operation before RR police officers can use the channels

FCC Decision

Mobiles/Portables

- Option 1: Operate under blanket license
  - RR must have other Part 90 PLMR license(s)
  - RR needs MOU with state interoperability coordinator before operation begins
- Option 2: Apply for mobile-only license
  - Need MOU with state(s) or RPC(s) & frequency coordination

Base & Control Stations

- Obtain frequency coordination from one of four PS coordinators
- Obtain letter of concurrence from relevant state or RPC administrator
- Apply for FCC license

Interoperability/Mutual Aid Channels

VHF Band PS Interoperability Channel (MHz)

151.1375 MHz (base/mobile) Tactical
154.4525 MHz (base/mobile) Tactical
155.7525 MHz (base/mobile) Calling
158.7375 MHz (base/mobile) Tactical
159.4725 MHz (base/mobile) Tactical

220 MHz Band PS Mutual Aid Channel (MHz)

220.8025 MHz (base/mobile) Tactical
220.8075 MHz (base/mobile) Tactical
220.8125 MHz (base/mobile) Tactical
220.8175 MHz (base/mobile) Tactical
220.8225 MHz (base/mobile) Tactical
220.8275 MHz (base/mobile) Tactical
220.8325 MHz (base/mobile) Tactical
220.8375 MHz (base/mobile) Tactical
220.8425 MHz (base/mobile) Tactical
220.8475 MHz (base/mobile) Tactical

Interoperability/Mutual Aid Channels

UHF Band PS Interoperability Channel (MHz)

453.2125 MHz (base/mobile) 458.2125 MHz (mobile)	Calling
453.4625 MHz (base/mobile) 458.4625 MHz (mobile)	Tactical
453.7125 MHz (base/mobile) 458.7125 MHz (mobile)	Tactical
453.8625 MHz (base/mobile) 458.8625 MHz (mobile)	Tactical

Interoperability/Mutual Aid Channels

700 MHz Band PS Interoperability Channel (MHz)

769.39375 MHz (base/mobile) Tactical
769.39375 MHz (mobile)

769.49375 MHz (base/mobile) Tactical
799.49375 MHz (mobile)

769.64375 MHz (base/mobile) Tactical
799.64375 MHz (mobile)

769.74375 MHz (base/mobile) Tactical
799.74375 MHz (mobile)

769.99375 MHz (base/mobile) Tactical
799.99375 MHz (mobile)

Interoperability/Mutual Aid Channels

700 MHz Band PS Interoperability Channel (MHz) continued

770.14375 MHz (base/mobile) Tactical
800.14375 MHz (mobile)

770.24375 MHz (base/mobile) Tactical
800.24375 MHz (mobile)

770.39375 MHz (base/mobile) Tactical
800.39375 MHz (mobile)

770.49375 MHz (base/mobile) Tactical
800.49375 MHz (mobile)

770.64375 MHz (base/mobile) Tactical
800.64375 MHz (mobile)

Interoperability/Mutual Aid Channels

700 MHz Band PS Interoperability Channel (MHz) continued

770.89375 MHz (base/mobile) Tactical
800.89375 MHz (mobile)

770.99375 MHz (base/mobile) Tactical
800.99375 MHz (mobile)

773.00625 MHz (base/mobile) Tactical
803.00625 MHz (mobile)

773.10625 MHz (base/mobile) Tactical
803.10625 MHz (mobile)

773.25625 MHz (base/mobile) Calling
803.25625 MHz (mobile)

Interoperability/Mutual Aid Channels

700 MHz Band PS Interoperability Channel (MHz) continued

773.35625 MHz (base/mobile) Tactical
803.35625 MHz (mobile)

773.50625 MHz (base/mobile) Tactical
803.50625 MHz (mobile)

773.60625 MHz (base/mobile) Tactical
803.60625 MHz (mobile)

773.75625 MHz (base/mobile) Tactical
803.75625 MHz (mobile)

773.85625 MHz (base/mobile) Tactical
803.85625 MHz (mobile)

Interoperability/Mutual Aid Channels

700 MHz Band PS Interoperability Channel (MHz) continued

774.00625 MHz (base/mobile) Tactical
804.00625 MHz (mobile)

774.10625 MHz (base/mobile) Tactical
804.10625 MHz (mobile)

774.25625 MHz (base/mobile) Tactical
804.25625 MHz (mobile)

774.35625 MHz (base/mobile) Tactical
804.35625 MHz (mobile)

774.50625 MHz (base/mobile) Tactical
804.50625 MHz (mobile)

Interoperability/Mutual Aid Channels

700 MHz Band PS Interoperability Channel (MHz) continued

774.60625 MHz (base/mobile) Tactical
804.60625 MHz (mobile)

774.85625 MHz (base/mobile) Tactical
804.85625 MHz (mobile)

Interoperability/Mutual Aid Channels

800 MHz Band PS Mutual Aid Channel (MHz)

851.0125 MHz (base/mobile) 806.0125 MHz (mobile)	Calling
851.5125 MHz (base/mobile) 806.5125 MHz (mobile)	Tactical
852.0125 MHz (base/mobile) 807.0125 MHz (mobile)	Tactical
852.5125 MHz (base/mobile) 807.0125 MHz (mobile)	Tactical
853.0125 MHz (base/mobile) 808.0125 MHz (mobile)	Tactical

FCC Decision

For further details consult your FCC counsel and/or FCC Report and Order, PS Docket No. 15-199, released August 23, 2016