

AASHTO is an FCC Certified Frequency Coordinator for:

- Public Safety frequencies **below** 512 MHz
- Frequencies in the 700 MHz and 800 MHz bands

AASHTO is the **ONLY** FCC Certified Frequency Coordinator for frequencies **below 512 MHz** that are designated as “PH—Highway Maintenance.”¹

What Does AASHTO Offer?

The FCC defines frequency coordination as: “The process of obtaining a frequency that will most effectively meet an applicant’s needs while minimizing interference to licensees already operating in that band.” The FCC requires that all applications for public safety channels be examined by a certified frequency coordinator prior to their submission.

AASHTO helps provide a variety of services in Public Safety Frequency Coordination. This includes:

- Frequency coordination through RadioSoft
- Management of the entire FCC application and filing process, including preparation and certification of compliance
- FCC license application services offered for public safety channels in the spectrum in the following chart:²



¹ <https://www.fcc.gov/general/public-safety-frequency-coordinators#700800>

² <https://www.fcc.gov/public-safety/public-safety-and-homeland-security/policy-and-licensing-division/public-safety-spectrum>

Public Safety Spectrum

Frequency	MHz Available for Public Safety
25-50 MHz (VHF low band)	63 MHz [non-contiguous]
150-174 MHz (VHF high band)	3.6 MHz [non-contiguous]
220-222 (220 MHz band)	0.1 MHz
450-470 (UHF band)	3.7 MHz [non-contiguous]
470-512 MHz (T-Band)	6 to 12 MHz blocks [contiguous in specified markets]
758-769/788-799 MHz (700 Broadband)	22 MHz (11 MHz x 11 MHz) [contiguous]
768-775/798-805 (700 Narrowband)	14 MHz (7 MHz x 7 MHz) [contiguous]
806-809/851-854 MHz (NPSPEC band)	6 MHz (3 MHz x 3 MHz) [contiguous]
809-815/854-860 MHz (800 MHz band)	3.5 MHz (1.75 MHz x 1.75 MHz) [non-contiguous]
4940-4990 MHz (4.9 GHz band)	50 MHz [contiguous]
5850-5925 MHz band (5.9 GHz “DSRC” band)	75 MHz [contiguous]*

Source: FCC.

* Band dedicated for Dedicated Short Range Communications (DSRC)—primarily used in Vehicle-to-Vehicle (V2V) and Vehicle-to-Infrastructure (V2I) applications.

FCC Coordination Services Cover:

- Land Mobile Radio (LMR)
- Microwave Radio
- Dedicated Short Range Communications (DSRC)
- Systems Engineering Design Services
- Frequency Datamining



Support is provided by the **AASHTO Committee on Transportation Systems Operations Communications Technology Working Group**, as well as through RadioSoft, Inc., which provides a dedicated team of coordinators who work directly with and provide one-on-one support to each partner.



One of the goals of the AASHTO Committee on Transportation System Operations’ (CTSO) Communications Working Group (formerly known as the Special Committee on Wireless Technology—SCOWCT), is to support the Radio Frequency Coordination Program on behalf of our members. This includes representing AASHTO members and their interests before the FCC and other federal and state regulatory agencies. The following national organizations have AASHTO representation:

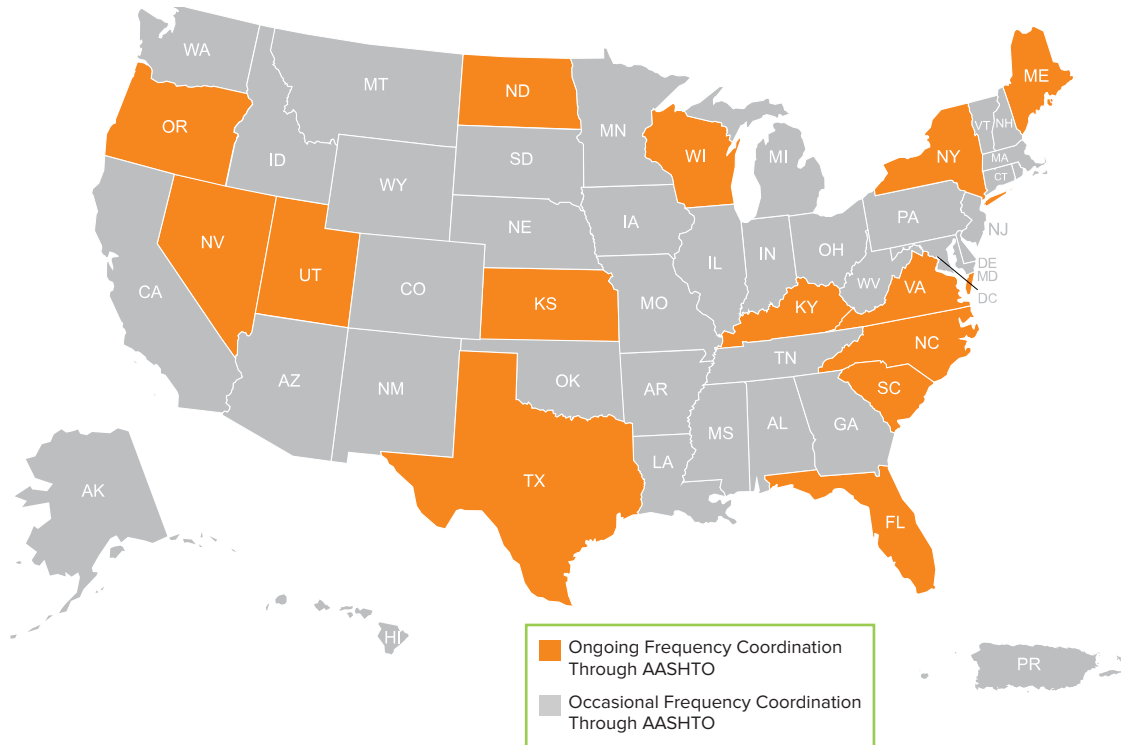
- **Public Safety Communications Council**
- **Land Mobile Communications Council**
- **National Public Safety Telecommunications Council (NPSTC)**
- **FirstNet Public Safety Advisory Committee**
- **SAFECOM (a Department of Homeland Security program initiative)**

AASHTO engages with stakeholders and coordinates responses to critical notifications from the FCC that impact the public safety and vehicle infrastructure communication space.



Partnering with AASHTO by purchasing frequency coordination and licensing services allows AASHTO to put money into even more services that help you—our valued members.

Several states have engaged AASHTO for Frequency Coordination services on an *ongoing* basis; however, AASHTO can coordinate ALL Public Safety frequencies across the **ENTIRE US** and all territories.



AASHTO Frequency Coordination Services

More than 50 years ago, the American Association of State Highway and Transportation Officials (AASHTO)'s Special Committee on Communications was tasked with monitoring technical and regulatory matters related to telecommunications systems utilized by AASHTO members.



In 1986, at the request of the AASHTO Policy Committee, the Federal Communications Commission (FCC) designated AASHTO as the National Frequency Coordinator for the segments of the radio spectrum assigned to the public safety radio service of Highway Maintenance. In 2005, AASHTO's frequency coordination work was contracted to RadioSoft, Inc., a division of LS telcom.

AASHTO brings 40 years of experience in frequency coordination and is the only provider with the transportation-focused background knowledge crucial for the deployment of wireless communication links in **Vehicle to Infrastructure (V2I) Connected-Automated Vehicle (CAV)** applications.

AASHTO members receive a variety of benefits, including competitive pricing and discounts on radio engineering software.

Need more information?

Telephone / Fax: (888) 601-FORM (3676)

<http://frequencycoordination.transportation.org/>

AASHTO:

Venkat Nallamothu, P.E.
Program Manager,
Operations
vnallamothu@aaashto.org
(202) 624-5497

CTSO Communications Working Group:

Ferdinand Milanes
Co-Chair, Caltrans

Paul Gilbert
Co-Chair, TxDOT

RadioSoft, Inc.:

Michael Henderson
mhenderson@radiosoft.com
(888) 723-4695

Kathi Buczkowske
kathi@radiosoft.com
(888) 723-4695



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