



NPSTC CITIG Cross Border Update

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**Canada – United States (CANUS)
Communications Interoperability Working Group Meeting
Buffalo, New York
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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.

Outline for Today



- NPSTC CITIG Cross Border Working Group Update
 - Overview of current activity
- NPSTC Activity with Border Impact
 - Broadband Deployable Systems Report
 - LMR LTE Interoperability
 - Emerging Technology and NG911
- Questions and Answers



Cross Border Working Group

- Joint NPSTC and CITIG led effort
- 96 members
- U.S. and Canadian First Responders
- Local, State/Provincial, Territorial, Federal Representatives
- Law Enforcement, Fire, EMS, PSAP, and Technician Representatives
- Meet monthly on the first Tuesday at 12:00 p.m. Eastern Time



NPSTC CITIG Cross Border Working Group Update

NPSTC CITIG Cross Border Working Group Update



- Cross Border 911 Data Sharing Report.
 - Final draft prepared, ready for distribution to commercial cellular carriers on both sides of the border for review and comment.
 - Provides guidance to PSAPs along the U.S. - Canadian border on how to access customer account and location data that resides with a commercial carrier in the other country.
 - Also provides guidance for the management of calls which did not trigger a 911 call.

NPSTC CITIG Cross Border Working Group Update



- FCC Public Notice on 700 MHz Air to Ground channels.
 - Presentation received from Brian Marengo from the FCC.
 - Discussed operational aspects of air to ground radio use by public safety agencies, including concurrent use, altitude requirements, and cross border interoperability needs.

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- North Dakota Waiver for VLAW31 Border Operations.
 - Discussed FCC request for comment on waiver sought by the State of North Dakota to expand VLAW31 to provide border interoperability for EMS and Fire.
 - Recommended that the NPSTC Governing Board file comments with the FCC supporting this waiver.
 - NPSTC did file comments supporting this request.

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- Cross Border Base Station Licensing
 - Two FCC webinars for the Cross Border Working Group members to discuss use of base stations and portable radios at, and across, the border.
 - Additional educational outreach planned to help further distribute information on this option for public safety agencies seeking better operability and interoperability.

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- Cross Border I/O Channel Inventory Report
 - Create a report that identifies all of the channels available for interoperability across the Canada/U.S. border with a brief explanation on how they are used.
 - ISED produced a report (Technical Bulletin 8) which identified frequencies in Canada; that became the genesis for this effort.

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- Emergency Vehicle Border Crossing Best Practices Report.
 - Create a report that highlights recommended actions to insure efficient cross border flow of emergency vehicles during international response.
 - Preapproval that first responders are eligible to cross the border.
 - Standardized communications and notifications to border crossings.
 - Identification of required documents to have on the vehicle.
 - Leverage information collected in the NPSTC-CITIG Cross Border Communications White Paper report.
 - Refresh the content with additional interviews.

NPSTC CITIG Cross Border Working Group Update



- Working Group meetings include briefings which help educate first responders on new issues.
- FCC Updates
 - Brian Marengo provides information on FCC issues that may impact border communications.
- OEC Updates
 - Ted Lawson provides information on OEC activities and other informational updates on issues affecting border communications.



NPSTC Border Impact Issues

NPSTC Issues – Border Impact



- Broadband Deployable Systems Report
 - Approved and published in April 2017.
 - Joint effort of Canada (DRDC) and the U.S. (NPSTC).
 - Provided key focus on need for data interoperability and user interoperability along the border.
 - Identified a number of technical, operational, standards and policy gaps that exist.



NPSTC Issues – Border Impact

- LMR LTE Interoperability
 - Monitoring increased use of non P25 radio systems, including DMR and TETRA.
 - Examining functional interoperability between LMR and future Mission Critical Voice networks.
 - How will voice and control data be shared by cross border agencies?
 - Emergency Button activation, Talker ID.
 - Examining Mission Critical Voice 3GPP standards.
 - Automatic Default Simplex Operation.
 - Nearby User List.



NPSTC Issues – Border Impact

- Emerging Technology
 - Monitoring NG911 efforts in the U.S.
 - Monitoring recent action by the Canadian Radio-Television Telecommunications Commission (CRTC) regarding NG911 service provision.
 - Cross Border interoperability with 911 calls needs to be resolved with Next Generation implementation.



Questions?