


**700 MHZ BROADBAND  
FOR MISSION CRITICAL PUBLIC SAFETY DATA**  
PROGRESS REPORT

PRESENTATION TO THE INCIDENT MANAGEMENT WORKING GROUP  
APRIL 17<sup>th</sup>, 2011



On December 8, 2010...

We announced the formation of the:

**The Tri-Services Special Purpose Committee  
on 700 MHz Broadband for Mission Critical  
Public Safety Data**




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INTRODUCTION

Committee Struck to...

- Formulate a broad-based public safety response to the Industry Canada public consultations on the use of the 700 MHz band (closed February 28, 2011)
- Monitor and advise on the issue, inform stakeholders and identify responder spectrum needs and potential opportunities
- Engage with industry, public safety providers and different levels of government to put forward a position that makes sense for Canadian public safety and Canadians in general
- Deliver the written response for the consultation




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INTRODUCTION

Enable Responders to...

- Ensure that the spectrum needs of responders and public safety in general are considered and accounted for
- Enough spectrum to fulfil vision of a robust system of interoperable networks that will benefit urban, suburban and rural responder agencies in Canada
- Alignment with U.S. with a view to a trans-continental vision
- Work with industry to help better define needs and future vision
- Advocate and work with others on a whole-of-government approach



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INTRODUCTION

**Why do we care?**

- The allocation of 700MHz broadband spectrum **represents a once in a lifetime opportunity**
- If done correctly will enable **mission critical data communications for public safety** for years to come
- Having this ability directly impacts **community and responder safety, innovation and the health of Canada's digital economy**
- We need the right tools to **protect and save lives of Canadians and first responders**
- 700 MHz is the **"sweet spot"**

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INTRODUCTION

**Present State of Broadband in Canada**

- Different technology in use
- Different systems in use
- Not seamless countrywide
- No Canada-U.S. harmonization
- Thirst for bandwidth increasing exponentially
- Industry Canada Consultation opened consultations on 700 MHz spectrum on November 30, 2010 (closes February 28, 2011) — provides opportunity to state public safety needs

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700 MHz BROADBAND

**Potential Growth Vision**

- Border and a few major cities
- Major centres
- Regional solutions
- Major arteries
- Continentally Aligned

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THE FUTURE...

**Consultation Responses**

- **88** total responses to Industry Canada
  - **55** from Companies and Organizations (the Tri-Services, Telcos, CATA, Industry, etc.)
  - **4** from Federal Government (ICSAR, Public Safety Canada, RCMP and Scott Simms, MP)
  - **23** from Provincial and Municipal Governments (notables include CCEMO, SOREM, many provinces)
  - **6** from Private Individuals
- Overall, the Tri-Services and public safety stakeholders were pleased to see that the majority of responses to the consultation acknowledged the need to designate a portion of 700 MHz spectrum to be dedicated for public safety use
- PS stakeholders **"sang from same song sheet"**


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RESPONSES

**Of the 88 Submissions...**

RESPONSES

- **44** advocated harmonize with the U.S.
- **26** called for 20 MHz of spectrum to be dedicated to public safety
- **7** called for only 10 MHz of spectrum to be dedicated to public safety
- **6** called for 10 MHz of spectrum to be dedicated to public safety now, plus a possible additional 10 MHz after D Block assigned in the U.S.
- **3** respondents called for 0 MHz dedicated to public safety
- The remaining responses made no mention of public safety  
*(Of note, one Telecommunications company acknowledged the need to designate a portion of 700 MHz spectrum to be dedicated for public safety use)*

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**Tri-Service Committee Current Work**

CURRENT WORK


- Continue reaching out to all levels of government, public safety agencies and industry
- Work with Public Safety Canada and SOREM (all Provinces and Territories) on next steps
- Inform key stakeholders

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**What can YOU do about it?**

NEXT STEPS

- Get informed and put this issue on your organization's radar
- Inform your key decision makers, boards, municipalities, provincial/territorial governments and other governing bodies that spectrum allocations will have a significant impact on public safety in Canada
- Work with tri-services colleagues and others to advocate a strong voice for public safety in advance of spectrum allocations
- Look for and act on mobilization information as it sent by CACP, CAFCC, EMSCC, CAPB, FCM and others

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**www.action700.ca**

CALL TO ACTION!

- Web site created by the Associations to provide a focal point for communications efforts:  
**www.action700.ca**  
(download basic information, including sample support letter, media release, presentations and sign up for e-mail updates)
- Inquiries — send e-mail to:  
**action700broadband@gmail.com**

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**Canadian Interoperability Technology Interest Group Update**

**CITIG NEXT STEPS**

- **London CITIG Regional Forum**, Thursday, May 12<sup>th</sup> from 9:00 a.m. to 4:00 p.m. in London, ON
- **Northern CITIG Forum**, August 30<sup>th</sup>, Iqaluit, Nunavut
- **CATA Vendor Outreach Forum**, October 18<sup>th</sup> and 19<sup>th</sup>, Pan Pacific Hotel – [www.cata.ca](http://www.cata.ca) for details soon.
- **Fifth National Public Safety Interoperability Workshop**, December 4<sup>th</sup> to 7<sup>th</sup>, Ottawa, Ontario [www.cacp.ca](http://www.cacp.ca) to register

**Visit [www.citig.ca](http://www.citig.ca) for more info and to join.**



**The 5<sup>th</sup> Canadian Public Safety Interoperability Workshop: A CITIG National Forum**  
**"From Results to Successes!"**



Date: December 4 - 7, 2011 (Sunday evening to Wednesday afternoon)  
 Location: The Fairmont Château Laurier, Ottawa, ON  
 Registration Cost: \$450 + HST (\$506.50), includes Sunday evening meet and greet, all plenary sessions, Monday evening exhibitors reception, 3 breakfasts, 2 lunches and 5 refreshment breaks  
 \*\*\*Please note conference sessions will only be offered in English\*\*\*

The 5<sup>th</sup> Canadian Public Safety Interoperability Workshop aims to build upon knowledge a broad base of public safety and emergency management practitioners to develop a mutual understanding of the key value and data interoperability issues facing public safety services, with a focus on information exchange, data-specific discussions and intersectoral best-practices. The 5<sup>th</sup> national workshop aims to support and promote the transfer of best practices and expertise, and the development of a more unified approach to public safety interoperability across its country, between entities and internationally.

These again delegates can expect to be "out in work" in extensive business sessions. While some of these sessions are designed to address the requirements of the Interoperability Working Group, the development of local, regional, provincial and inter-provincial Communications Interoperability Plans. Additional break-outs will explore other aspects of the SARCCO Interoperability Continuum such as creating governance models, SOPs, testing and exercises and more.

Delegates will come away with enhanced insight, practical knowledge, and a common sense approach to solving interoperability. They will also be provided with numerous tools they can take home and begin working with immediately. The Workshop will also have hands-on sessions designed to help gain an understanding of, or work toward making progress on, key topics including:

- National and cross-provincial interoperability planning
- Provincial, regional and local interoperability strategic planning
- Interoperability and the challenge of governance
- Trends in interoperability technology, including both voice and data related issues
- Practical advice on meeting interoperability funding & resource
- Spectrum management and issues related to the digital economy
- Essential emergency, community-based, emergency services, GIS systems and their future tracking
- 700 MHz Broadband for Mission Critical Public Safety Data
- Contingency Mission Critical voice and data solutions

**Register at [www.cacp.ca](http://www.cacp.ca)**



**Discussion**

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**Questions?**



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