PRESENTATION AT THE FIFTH NATIONAL PUBLIC SAFETY INTEROPERABILITY WORKSHOP
DECEMBER 6, 2011

700 MHZ BROADBAND FOR MISSION CRITICAL PUBLIC SAFETY DATA: WHY SHOULD I CARE?

Presented by...

Members of the Tri-Services Special Purpose Committee on 700 MHz Broadband for Mission Critical Public Safety Data (struck Dec. 2010)

Superintendent Bill Moore
Halifax Regional Police Service

Division Chief Mike Sullivan
Ottawa Fire Service

Superintendent Pascal Rodier
British Columbia Ambulance Service

Working together to improve public safety interoperability...
Work done to date...

- Delivered the written response for the IC consultation -- broad-based public safety response
- Monitored and advised on the issue, inform stakeholders and identify responder spectrum needs and potential opportunities
- Engaged 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
- Worked with CSS and PS to produce report entitled 700MHz Spectrum Requirements for Canadian Public Safety Interoperable Mobile Broadband Data Communications
- Conducted in partnership with CATA a report entitled Answering the Call: Survey report of Canadian Stakeholders
- Many presentations and awareness raising

As of December 2011...

- Public Safety Canada is well on track to deliver proposed business model
- That proposed business model will be in line with what was described in the PS submission (i.e., shared governance with emphasis on ensuring responders have access to needed amount of spectrum)
- First responder representatives will have the opportunity to review and contribute to the proposed model in the near future
- Actively monitoring U.S. situation
- Additional communication will soon follow
700 MHz Timeline and Next Steps

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<th>Summer 2011-Fall 2011</th>
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<td><strong>Definition Phase</strong></td>
<td><strong>Implementation Phase</strong></td>
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<td>(Consultation)</td>
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- 700 MHz spectrum allocation by IC
- Second phase of consultation by IC
- Develop operational requirements & interoperability guidelines
- Consensus for a national business model
- 700 MHz network pilot projects
- Confirmation of Terms of Reference for a Canada-U.S. Communications Interoperability Working Group

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Governance Business Model

Two Business Models are explored...

**National Model**

**National Authority**
- Key policy decisions
- Business decisions
- Licensee of the Spectrum
- Operating procedures
- Interconnection with federal and US agencies
- Interconnection with commercial operators, Internet, other services

**Regional Authority**
- User management
- Joint network operations with the National Authority

**Regional Model**

**National Authority**
- Sets policies on governance
- Technology standards
- Define interoperability conditions
- Interconnection with federal and US agencies

**Regional Authority**
- User management
- Business decisions
- Interconnection with commercial operators, Internet, other services
- Operating license granted upon satisfying interoperability conditions

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### Categories of Operational Requirements

1. **Interoperability**
   - Interconnectivity,
   - Priority and QoS *,
   - Congestion management
   - Applications
   - Standards

2. **Network Infrastructure**
   - Network resiliency and reliability
   - Service coverage and availability
   - Performance analysis and applications support
   - Service restoration

3. **Security**
   - Admission control
   - Information and mission assurance
   - Physical security
   - Information privacy

4. **Network Management**
   - Network operations
   - Performance management
   - Service management
   - Maintenance and sustainability
   - Processes and procedures

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### Resources

- Review this publication from DHS
- Some copies available here, but also available for download from [www.citig.ca](http://www.citig.ca)
Long-term transition toward a desired converged future

Bear pit...

- Why should I care?
- What does this mean for the future of my Land Mobile Radio system?
- What’s in this for small to medium size communities?
- What do I need to do in order to prepare for this new capability?
- How am I going to pay for this “new” technology when I can’t afford to upgrade my old equipment?
www.action700.ca

• 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

Register at www.cacp.ca

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Discussion

Questions?

www.action700.ca