



## Canadian Interoperability Technology Interest Group

# The Sixth Canadian Public Safety Interoperability Workshop:

*"From Success to Acceptance!"*

December 2 - 5, 2012

Toronto Marriott Downtown Eaton Centre Hotel  
Toronto, ON

 @CITIG\_Canada & #CITIG6

### Conference Objective:

The Sixth Canadian Public Safety Interoperability Workshop aims to again bring together a broad base of public safety and emergency management practitioners to develop a mutual understanding of the key voice and data interoperability issues facing today's public safety sector. With a focus on information exchange, topic-specific discussion and interactive break-outs, the sixth national workshop aims to support and promote the transfer of best practices and experience, and the development of a more unified approach to public safety interoperability across the country, between nations and internationally.

Once again delegates can expect to be "put to work" in extensive break-out sessions. While some of these sessions are designed to continue the implementation of the Communications Interoperability Strategy for Canada, others will focus on providing support and assistance to regional delegates as they begin, or further, the development of local, regional, provincial and inter-provincial Communications Interoperability Plans. Additional break-outs will explore other aspects of the Canadian Communications Interoperability Continuum such as creating governance models, SOPs, training and exercises and usage.

Delegates will come away with real-world insights, practical knowledge, and a common sense approach to moving forward. 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 issues, including:

- National and cross-border 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 running interoperability training & exercises
- 700 MHz Broadband for Mission Critical Public Safety Data & related spectrum management issues
- Situational awareness, common/user defined operating pictures, GIS systems and blue force tracking
- 3D In-door Tracking and Location for Fire Fighters & public safety responders
- Social Media for Emergency Management (#SMEM)
- Converging Mission Critical voice and data networks

#### Target Audience:

Interoperability leaders & practitioners from:

- First-responder agencies (law enforcement, fire, paramedics, emergency managers)
- Other public safety providers (federal, provincial, territorial, municipal)
- Military & Coast Guard
- Government agencies & utilities
- Non-governmental organizations in the emergency response and humanitarian aid sphere
- Academic and research institutions
- Industry

#### Conference Co-Chairs:

- Deputy Chief Bill Moore, Halifax Regional Police & CITIG Chair
- Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services & CITIG Vice-Chair
- Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary

#### Conference Working Group:

- Deputy Chief Bill Moore, Halifax Regional Police & CITIG Chair
- Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services & CITIG Vice-Chair
- Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary
- Mr. Eric Torunski, Director of Communications, CITIG
- Inspector Lance Valcour (Ret.) O.O.M., Executive Director, CITIG
- Ms. Veronica Lahti, Project Coordinator, Canadian Association of Chiefs of Police
- Ms. Sara Sowieta, Project Assistant, Canadian Association of Chiefs of Police

### Sunday, December 2, 2012

- 08:30-13:00      3D In-door Tracking and Location for Fire Fighters & Public Safety Responders Workshop - Toronto City Hall  
For further information please contact the Canadian Interoperability Technology Interest Group (CITIG) at [info@citig.ca](mailto:info@citig.ca) or via [www.citig.ca](http://www.citig.ca)
- 17:00-19:00      Registration (*Ballroom Foyer*)
- 18:00-20:00      Meet and Greet (*Presidential Suite #1606*)

## Monday, December 3, 2012

07:00 Registration (*Ballroom Foyer*)

07:00-19:00 Exhibit Show (*Ballroom Foyer & Trinity Ballroom*)

07:00-08:45 **Breakfast - Exhibit Area**

08:45-09:00

### **Opening Remarks (*Grand Ballroom*)**

- Chief Michael Nolan, Paramedic Service & Director, Emergency Services, County of Renfrew, President, Paramedic Chiefs of Canada
- Chief Steve Gamble, Township of Langley Fire Department, President, Canadian Association of Fire Chiefs
- Chief Constable Jim Chu, Vancouver Police Department, President, Canadian Association of Chiefs of Police

### **Moderator**

Deputy Chief Bill Moore, Halifax Regional Police & CITIG Chair

## SESSION 1

09:00-09:30

### Session (*Grand Ballroom*)

Canadian Interoperability Technology Interest Group: Proud History, Exciting Future

#### Objective

In 2007, the Canadian Interoperability Technology Interest Group (CITIG) was created to improve Canadian public safety communications interoperability. At the time, CITIG was a responder-driven, federally-funded activity, led by Canadian Police Research Centre (CPRC - now the Emergency Responder Test and Evaluation Centre, or ERTEE, part of the Centre for Security Science) that brought together responders, academia, industry and government stakeholders who shared a common interest in enhancing Canada's communications interoperability and are dedicated to improving the safety and security of first responders, and the people and critical infrastructure of Canada.

Earlier this year, CITIG successfully transitioned into a stand-alone Not-for Profit Corporation under the governance of the Canadian Association of Chiefs of Police, Canadian Association of Fire Chiefs and Paramedic Chiefs of Canada. Its mission is: *To improve Canadian public safety interoperability at home and abroad through collaborative efforts, innovation and leadership.* CITIG is made up of more than 1,200 volunteer associates from across Canada, the United States and internationally.

This session will provide a brief overview of CITIG's five year history, an understanding of the factors that led to it becoming a Not-for-Profit and outline its plan for a very exciting future.

#### Presenters

- Deputy Chief Bill Moore, Halifax Regional Police & CITIG Chair
- Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services & CITIG Vice-Chair
- Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary

## SESSION 2

09:30-10:00

### Session (*Grand Ballroom*)

The Road to Communications Interoperability - Current Successes and the Challenges of the Future

#### Objective

The Communications Interoperability Strategy for Canada and its supporting Action Plan is intended to guide the development of interoperability-related policies, programs and investments at all levels of government across the country. In the last year, Public Safety Canada has provided leadership for the advancement of communications interoperability in Canada. This has been accomplished through close cooperation with organizations such as the Tri-Services Chiefs Associations, the Canadian Interoperability Technology Interest Group and provincial and territorial emergency management partners.

This session is intended to update participants on the most recent developments pertaining to communications interoperability programs led by Public Safety Canada and its partners. In addition to informing attendees on the status of major undertakings such as the 700MHz file or the Multi Agency Situational Awareness System new projects such as the use of social media in support of emergency management, public alerting and communications interoperability issues under the Canada-US Beyond the Border initiative will be introduced.

#### Presenter

- Ms. Gina Wilson, Assistant Deputy Minister, Emergency Management and Regional Operations, Public Safety Canada

#### Moderator

Deputy Chief Bill Moore, Halifax Regional Police & CITIG Chair

## SESSION 3

10:00-10:15

### Sponsor Session #1 (*Grand Ballroom*)

Broadband for Public Safety - Progress, Speed-bumps and Opportunities

#### Presenter

- Mr. Derek Prada, GM, Federal & Atlantic Canada Markets, Government & Commercial Markets Division, Motorola Canada Limited

#### Moderator

Inspector Lance Valcour (Ret.) O.O.M., Executive Director, CITIG

10:15-10:45    **Network Break - Exhibit Area**

## SESSION 4

10:45-11:45

### Session (*Grand Ballroom*)

Location Based Services & Blue Force Tracking - The Changing Face of Situational Awareness

#### Objective

For years first responders have been tracking their vehicles using Automated Vehicle Location and/or Global Positioning Satellites. However, as soon as the responder moved away from their vehicle their location was no longer know - thus creating a health and safety issue as well as a lack of situational awareness both for the member and their supervisors. Now agencies around the world are looking to their military cousins who have pioneered the concept of "Blue Force (good guys) Tracking. These systems allow for far more effective and efficient tracking of personnel both during daily events, searches and in times of emergency or disaster.

Our speaker, the #1 rated speaker from CITIG 5 last year, is back to provide her unique perspective both on how this issue is changing public safety operations and what the future may hold as we leverage more "location based services" in the coming years.

#### Presenter

- Ms. Gayle Guilford, Director of Management Information Systems, Baltimore Police Department

#### Moderator

Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary

11:45-12:45    Lunch - Exhibit Area

## SESSION 5

12:45-13:15

### Session (*Grand Ballroom*)

CITIG National Awards Presentation

#### Presenters

- Deputy Chief Bill Moore, Halifax Regional Police & CITIG Chair
- Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services & CITIG Vice-Chair
- Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary

## SESSION 6

13:15-14:15

### Session (*Grand Ballroom*)

700 MHz Broadband for Mission Critical Public Safety Data -The Future Looks Bright!

#### Objective

At CITIG 4 in Victoria the Tri-Service Chiefs announced the creation of "Action 700" designed to focus on securing 20 MHz of spectrum in the 700 MHz band for "public safety use." Action 700, a subset of CITIG, worked tirelessly with a myriad of partners from every level of government, emergency management and industry, including the Utilities Telecom Council of Canada, on this issue.

On March 14<sup>th</sup>, 2012, Industry Canada announced that 10 MHz had been set aside for public safety use. While great news, we still require the additional 10 MHz of spectrum necessary to make a national system of systems successful.

Meanwhile, there is a massive amount of work ongoing, and even more left to be completed regarding issues such as:

- Creating a national governing entity;
- Provincial & territorial governance plans and operating models; and,
- Regional/municipal pilot programs, etc.

This session is designed to provide a detailed update from the Tri-Service Chiefs and CITIG on what is being called "The largest public safety ICT project in Canadian history." We have also invited our good friends from the Utilities Telecom Council of Canada to join the panel to provide their unique perspective on this issue.

#### Presenters

- Deputy Chief Bill Moore, Halifax Regional Police & CITIG Chair
- Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services & CITIG Vice-Chair
- Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary
- Ms. Alourdes Sully, Chair of the Board, Utilities Telecom Council Canada

#### Moderator

Inspector Lance Valcour (Ret.) O.O.M., Executive Director, CITIG

14:15-14:45 [Network Break - Exhibit Area](#)



## **SESSION 7**

14:45-15:30

### **Session (*Grand Ballroom*)**

Land Mobile Radio Project Updates

#### **Objective**

This session will provide brief updates on a number of Land Mobile Radio Projects that are ongoing across Canada. Speakers will also update delegates on how they are managing the issue of interoperability strategic planning in their jurisdiction. They will also outline their approach to ensuring that all five lanes of the interoperability continuum are moving to the right (as appropriate). In the case of the RCMP, they will provide details on their project designed to provide a vision for land mobile radio renewal across Canada.

#### **Presenters**

- Mr. Mike Webb, VP Technology, E-Comm 911
- Mr. Tony Yaacoub, Chief Technology Officer, Royal Canadian Mounted Police
- Superintendent Joseph Maiorano, Durham Regional Police
- Mr. Daniel Têtu, Directeur du projet SÉRAM, Ville de Montréal

#### **Moderator**

Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services & CITIG Vice-Chair

## **SESSION 8**

15:30-15:45

### **Sponsor Session #2 (*Grand Ballroom*)**

The Success of Interoperable Solutions

#### **Objective**

Join Jonathan Wesley as he discusses technology solutions and techniques associated with interoperability. The approaches and benefits relating to technological solutions today and the possibilities of tomorrow.

#### **Presenter**

- Mr. Jonathan Wesley, Chief Technical Officer, FATPOT Technologies

#### **Moderator**

Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services & CITIG Vice-Chair



## SESSION 9

15:45-15:50

### Breakout Instructions

- Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services & CITIG Vice-Chair

15:50-17:00

### Breakout Sessions (A - E)

Provincial Interoperability Updates and Workshops

#### Objective

These sessions, to be led by key interoperability leaders from five regions of Canada (Atlantic, Quebec, Ontario, Prairies/North and British Columbia), will provide regional updates. Delegates, who will self-select either by where they work or area of interest, will also be provided an opportunity to give feedback into the Provincial/Territorial Interoperability Planning Process.

#### Breakout Session A (*Simcoe*)

Atlantic Region

##### Facilitators

- Deputy Chief Bill Moore, Halifax Regional Police & CITIG Chair
- Mr. Terry Canning, Provincial Interoperability Coordinator, Nova Scotia

#### Breakout Session B (*Bay*)

Quebec Region

##### Facilitators

- Chief Frank Albert (Ret.), Cowansville Fire Department
- Inspecteur Benoit Charron, Service de police de la Ville du Gatineau

#### Breakout Session C (*Grand Ballroom*)

Ontario Region

##### Facilitators

- Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services
- Superintendent Greg Furlong, Ottawa Paramedic Service

#### Breakout Session D (*York A & B*)

Prairies & Territories

##### Facilitators

- Mr. Vern Marshall, Telecommunications Officer, Yukon Government - Wild Land Fire Management
- Mr. Andrew Renfree, Senior Emergency Management Officer, Provincial Operations Alberta Emergency Management Agency, Ministry of Municipal Affairs

## Breakout Session E (*Adelaide*)

BC Region

### Facilitators

- Mr. Mike Webb, VP Technology, E-Comm 911
- Mr. Gordon Kirk, Director, BC Ambulance Service

17:00-19:00 Exhibitors Reception

## Tuesday, December 4, 2012

07:00-15:15 Exhibit Show (*Ballroom Foyer & Trinity Ballroom*)

07:00-08:00 Breakfast - Exhibit Area

08:00-08:15

Opening Remarks & Recap of Breakout Sessions (*Grand Ballroom*)

- Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services & CITIG Vice-Chair

### SESSION 10

08:15-09:00

Session (*Grand Ballroom*)

Implementing a 700 MHz LTE Public Safety Network in Harris County Texas - A Strategic Analysis

#### Objective

All across the United States there is a great deal of effort taking place on the development of a nationwide public safety broadband data network now called "FirstNet." While this national level work is critical, so too is the work being done in a number of US jurisdictions to actually implement regional 700 MHz LTE public safety data networks.

With the leadership, guidance and support of the Texas Department of Public Safety (who also manage the famous Texas Rangers), one of the first systems to be implemented is in Harris County Texas.

Delegates will learn about the strategic challenges they faced during this project and hear about exactly how this new public safety capability is truly making a difference to responders and emergency management officials in Harris County and across the great State of Texas.

#### Presenter

- Mr. Todd M. Early, Deputy Assistant Director, Public Safety Communications Bureau, Texas Department of Public Safety

#### Moderator

Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services & CITIG Vice-Chair

## SESSION 11

09:00-10:00

### Session (*Grand Ballroom*)

Leveraging Social Media and Sensors to Enhance Public Safety

#### Objective

While Social Media has become a world-wide phenomenon, first responders and emergency managers are still struggling with how best to leverage this new tool. At the same time, interoperability and information management best practices show us that issues around governance, standard operating procedures, training & exercises and daily usage are often even more challenging than technology related issues.

However, with the advent of system to system computing, the possibility of tying Social Media to Sensor Networks is now opening even greater possibilities for more timely, efficient and effective situational awareness. With this in mind, the Netherlands Police and their public safety, emergency management and community partners are exploring how best to take advantage of these opportunities.

Delegates will hear about an exciting new project currently ongoing in the Netherlands and have the opportunity to hear, and discuss, critical success factors with one of its architects. Best practices, lessons learned, privacy, ethics are just a few of the topics that our speaker will explore.

#### Presenter

- Chief Inspector Elle de Jonge, MSSM, Program Manager for Research and Innovation, Netherlands Police

#### Moderator

Inspector Lance Valcour (Ret.) O.O.M., Executive Director, CITIG

**SESSION 12**  
10:00-10:15

**Sponsor Session #3 (Grand Ballroom)**

A Strong Canada Depends on Strong Wireless Networks

**Objective**

Today, more than 26 million Canadians have a mobile phone or wireless device, a number that continues to experience significant growth annually. And Canadians continue to adopt smartphones and tablets at record rates, relying on these devices more and more to keep them connected to family, friends, the workplace and to emergency and safety services.

Carriers continue to build and expand their networks in response to this tremendous demand for wireless phone and Internet services. Canada's wireless industry is committed to working with emergency and safety service stakeholders to ensure that Canadians continue to have access to some of the most reliable and trusted networks in the world.

The increased demand for services will only continue as we see increased growth on the wireless front. This creates some important questions; what kind of infrastructure will we need to provide these services? And what is the role of government, wireless carriers, businesses and the safety services community in this regulatory and infrastructure development?

**Presenter**

- Mr. Bernard Lord, President and CEO, Canadian Wireless Telecommunications Association

**Moderator**

Inspector Lance Valcour (Ret.) O.O.M., Executive Director, CITIG

**10:15-10:45 Network Break - Exhibit Area**

## SESSION 13

10:45-12:00 Breakout Sessions (1 - 4)

### Breakout Session 1 (*Bay*)

Cross Border (North/South - East/West) Interoperability Strategic Planning - Practical Advise & Best Practices

#### Objective

This break-out session is designed to support provincial, territorial and local interoperability planners by providing insight into a number of ongoing cross border planning efforts. These projects, "North - South (Canada/US), "East - West" (Province to Province), provide unique challenges and opportunities for first responders and emergency managers to improve interoperability, often in areas that are remote and lacking in infrastructure.

After a brief overview of the current state of cross border interoperability, delegates who attend this session will be put to work to identify best practices and potential interoperability projects for future exploitation.

This Session was made possible in part thanks to a Grant from the Motorola Solutions Foundation. As you may know, in October, CITIG announced it had received a grant as part of the Foundation's Public Safety and Security Institute for "The CITIG Cross Border Workshop Program". The first phase of the Program is allowing CITIG to bring in 10 participants from the U.S. and Canada who otherwise could not have come to the Workshop. The work done at this session will help set the stage for Phase 2 of the CITIG Cross Border Workshop Program - the delivery of five Regional Cross Border Workshops held throughout 2013 to communicate the work done at the Canada-U.S. level and help each region develop its own regional Cross Border Strategy and Action Plan.

#### Presenters

- Mr. Terry LaValley, Chair, National Public Safety Telecommunications Communications Council, Northern Border Working Group
- Mr. Tim Trytten, Manager, Telecommunications and Specialty Systems, EMBC
- Mr. Vern Marshall, Telecommunications Officer, Yukon Government - Wild Land Fire Management
- Chief Frank Albert (Ret.), Cowansville Fire Department

#### Moderator

Mr. Eric Torunski, Director of Communications, CITIG

## **Breakout Session 2 (Grand Ballroom)**

### **700 MHz Broadband for Mission Critical Public Safety Data - A Technical Discussion**

#### **Objective**

Now that both Canada and the United States have been successful in gaining access to some of the 700 MHz "Beachfront" property of the spectrum world, the real work begins. Responders, government officials, engineers and scientists on both sides of the border are participating in an unprecedented level of coordination and cooperation to ensure that this spectrum is put to use effectively and efficiently.

A great deal of effort has taken place, often by the public safety advocates, including the Canadian Associations of Chiefs of Police, Canadian Association of Fire Chiefs and Emergency Medical Services Chiefs of Canada and a wide range of governments in both countries, on explaining WHY his spectrum is so important. Now the focus has become HOW to best move forward.

What are the technical challenges of building a nation-wide system of systems in Canada and tying this network with its US counterpart being developed in the United States? Long Term Evolution (LTE) is the cellular standard that has been accepted for moving forward around the world. What does this mean to public safety interoperability? How will public safety and industry work together on technical standards?

To hear the answers to these and many other technical questions (other areas of the Interoperability Continuum will be covered in a number of Plenary Sessions), attend this break-out and hear experts from both Canada and the US.

Delegates attending this session will not only listen, but help drive the future vision with an interactive facilitated component of the session.

NOTE: This discussion is NOT about 700 MHz narrowband being used for Land Mobile Radio systems in Canada, but about 700 MHz broadband we will use for mission critical devices like BlackBerry's, tablets, in car computers, secure emergency data , etc..

#### **Presenters**

- Mr. Dereck Orr, Program Manager, Public Safety Communications Research
- Mr. Jeff Bratcher, Division Chief, Public Safety Communications Research
- Mr. Claudio Lucente, Senior Technical Advisor, Center for Security Science

#### **Moderator**

Assistant Deputy Chief Mike Sullivan, Ottawa Fire Service

### **Breakout Session 3 (York A & B)**

#### **Location Based Services - What it Means to Public Safety**

##### **Objective**

In the retail business world you can now set up your smart phone to automatically receive information about sales, special events and even your favourite restaurant meals if you are within a certain distance from a commercial entity set up with "Location Based Services (LBS).

What does this mean for public safety? With more and more agencies moving from vehicle based tracking to personal based tracking (Baltimore Police Department will be speaking on this issue in Session #6), how will our agencies leverage this new technology?

Will police officers walking the beat be immediately notified if they walk within 300 metres of a bar that was ticketed for overcrowding in the past week? Will firefighters finally get the 3D Indoor Tracking and Location systems they have been working on (see Break-out Session #7 for more on that critical issue)? Will paramedics be advised of a traffic accident victim's wireless heart monitor status before they even arrive on scene?

This session is designed to both provide attendees with a snapshot of the current state of this technology. It will also provide an opportunity for delegates to help identify the desired "future state" of capabilities they require. The gap between current state and future state is the sweet spot for S&T research that CITIG will share with researchers such as the Canadian Safety & Security Program and our industry partners in attendance.

##### **Presenters**

- Ms. Gayle Guilford, Director of Management Information Systems, Baltimore Police Department
- Chief Inspector Elle de Jonge, MSSM, Program Manager for Research and Innovation, Netherlands Police
- Division Commander Andy Kostiuk, Toronto Fire Service
- Dr. Eyal de Lara, Associate Professor, Department of Computer Science, University of Toronto

##### **Moderator**

Inspector Lance Valcour (Ret.) O.O.M., Executive Director, CITIG



#### **Breakout Session 4 (Adelaide)**

Community Paramedicine, Neighbourhood Development / Fire Prevention and Community Mobilization - How Interoperability and Information Management Can Help

#### **Objective**

The three National Tri-Service Chiefs Associations are all working on initiatives designed to both improve the quality of service they provide while, at the same time, manage the fiscal and economic realities their member agencies are facing.

This session is designed to provide insights into Community Paramedicine, Neighbourhood Development / Fire Prevention and the Economics of Policing efforts underway by the EMSCC, CAFC and CACP respectfully. It will then, via a facilitated and interactive workshop, seek delegate inputs and ideas into how these issues tie to the issues of interoperability and information management.

Ideally, a series of action plans and/or initiatives are created that CITIG can move forward on behalf of the Chiefs' Associations and stakeholders in general.

#### **Presenters**

- Superintendent John Klich, Toronto Emergency Medical Services
- Mr. Ron Anderson, Executive Director of Strategic Systems & Innovation, Ministry of Justice, Government of Saskatchewan
- Chief Frank Biancucci, Chief Fire Prevention Officer, Hamilton Fire Department

#### **Moderator**

Mr. Chris Davis, Partner, Lansdowne Technologies Inc.

**12:00-13:00**    **Lunch - Exhibit Area**

**SESSION 14**  
**13:00-13:45**

**Session (*Grand Ballroom*)**

**SNAPSHOT!** Communications Interoperability Updates from across Canada (this means YOU!)

**Objective**

In this fast paced, informative and hopefully **FUN** session we will be giving YOU, our CITIG delegates an opportunity to tell all of us about your great communications interoperability project, program, idea, concept, vision, etc. The update could be about a radio or data project, strategic planning process, exercise, anything you like but **MUST** be relevant to communications interoperability and map to the Canadian Communications Interoperability Plan. If not, be prepared to hear about it from the other delegates from the floor!

The rules are simple.

1. First, sorry but no vendors. Our Platinum Sponsors support us and this is one of the key benefits they obtain for that level of sponsorship.
2. No slides - verbal presentations only. However, feel free to bring a "one pager" or Quad Chart that describes your project (these Quad Charts will be available on the CITIG 6 Event page at [www.citig.ca](http://www.citig.ca)).
3. You have EXACTLY 3 minutes. A timer will go off and you will be pushed off the stage by the next speaker (be gentle please).
4. Speakers will line up at the side of the stage in order of presentation. You can't step on the stage until the buzzer rings!
5. You must submit your name/project information before lunch on Tuesday on a form available at the registration desk.
6. CITIG Staff will do a random draw and post the order of speakers on a slide.
7. There are only 13 speaking spots available. Once we have 13 submissions we will close the sessions (but be ready to run up to the front of the room if someone fails to show up!).

**Presenters**

- 13 Different speakers from across Canada with a project they want to talk about. Some courage required. Sense of humour a major requirement.

**Moderator**

Inspector Lance Valcour (Ret.) O.O.M., Executive Director, CITIG

## SESSION 15

13:45-14:30

### Session (*Grand Ballroom*)

Assessing the Data: Public Safety Interoperability Studies - What They Say, What They Mean & What to do About it

#### Objective

This session will provide researchers with an opportunity to present the results of three different, but important, national studies that relate to public safety interoperability.

The first study, funded by the Canadian Police Research Centre (now part of the Canadian Safety & Security Program or CSSP), was titled the "National Benchmarking Study of Canadian Public Safety Voice Radio Systems." This study looked at current and future procurements of Land Mobile Radio for public safety in Canada. The second study to be reviewed was completed by the Canadian Red Cross and looked at the use of Social Media during emergencies. The final study to be reviewed, also funded by the CSSP, was titled "Canada's First National Interoperability Baseline Assessment."

Collectively these, and a myriad of related research over the past five years of CITIG's existence, studies give Canadian public safety leaders a far clearer picture of the current state of public safety interoperability. Armed with this information we are now in a much better position to identify our desired future state and to develop action plans to get there!

#### Presenters

- Senior Director (Ret.) Eldon Amoroso, London Police Service, CACP ICT Committee
- Ms. Alison Brooks, Alison Brooks, PhD, PMP, Research Director, Public Sector, IDC Canada
- Ms. Karen Snider, Senior Media Manager, Canadian Red Cross

#### Moderator

Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary

## SESSION 16

14:30-14:45

### Sponsor Session #4 (*Grand Ballroom*)

The Evolution of LTE and What It Means for LMR Operators

#### Objective

The session will cover:

- Current status of LTE in the U.S.
- Market drivers
- Co-Existence of LMR and LTE
- Applications that enable convergence

#### Presenter

- Mr. Tim Romanelli, Manager, Business Development, Harris

#### Moderator

Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary

**SESSION 17**

15:15-16:00

**Session (Grand Ballroom)**

Next Generation 9-1-1 - It's Coming to Canada - Are you Ready?

**Objective**

Next Generation 9-1-1 has been in discussion for many years; however the time for talk is over, real system changes are going to be delivered in 2013 and beyond and Emergency Service Dispatch Centres in Canada need to get ready now.

The following changes are planned for 2013:

- T9-1-1 - Text to 9-1-1 for the deaf, hard of hearing, and speech impaired (DHHSI) community across Canada;
- Improved Wireless Call Location Data - deployment of the In-Call Location Update [ICLU] tool (in order to get updated location coordinates for in progress 9-1-1 calls);
- Change of 9-1-1 Data Connections from PRI to IP (in order to put the T9-1-1 and ICLU in place, as well as get us ready for the future NG9-1-1 network).

These changes, and many more to follow, will impact day to day operational equipment, procedures, and personnel. They will require education, planning, budgeting, and training. The time to start understanding these is here.

You may ask - what does this have to do with CITIG and 700 MHz broadband? The short answer - both require large/expensive mission critical grade backhaul networks that could be built on the same future provincial / national system(s).

Our presenters will provide delegates with a high level overview of the current situation in Canada and the United States and then focus on the steps you need to take to be prepared for NG9-1-1.

**Presenters**

- Superintendent Chris Kellett (Ret.), Chair of the CRTC Emergency Services (E9-1-1) Working Group
- Ms. Nancy Banks, Canadian Region Director, National Emergency Number Association (NENA)

**Moderator**

Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary

## **SESSION 18**

16:00-17:15 Breakout Sessions (5 - 8)

### **Breakout Session 5 (*Grand Ballroom*)**

P 25 Updates

#### **Objective**

While there is a great deal of news and information about 700 MHz public safety broadband data, the reality is that the “bread and butter” of public safety communications is, and will continue to be for years to come, narrowband voice radio. The North American defacto standard for Land Mobile Radio is APCO P25.

We are once again pleased to have with us our good friends from the Public Safety Communications Research (PSCR) Program in the United States. They will provide delegates with a high level overview of the P25 Standards, Compliance Assessment Program and related topics. Part of the discussion will be the issue of convergence between P25 narrowband and LTE broadband - what is it and when will we start to see it happen?

Delegates that are interested in the more technical aspects of this issue will have an opportunity to hear a great deal more details about all the nuts and bolts of P25. If you are implementing or thinking of implementing a P25 based Land Mobile Radio system, you need to be sure your technical staff attend this session!

#### **Presenters**

- Mr. Dereck Orr, Program Manager, Public Safety Communications Research
- Mr. Jeff Bratcher, Division Chief, Public Safety Communications Research

#### **Moderator**

Deputy Chief Brent Winchcombe, Ottawa Paramedic Service & P25 User Group Member for Canada

## **Breakout Session 6 (Bay)**

Practical Applications for Geographic Information Systems (GIS) - Case Studies in Success

### **Objective**

In this session delegates will learn about the practical application of Geographic Information Management Systems, or GIS, from a number of perspectives. This session will also link with national initiatives such as the Multi-Agency Situational Awareness System, or MASAS.

### **Presenters**

- Mr. John Cross, Manager, Office of Emergency Management & CEMC City of Kingston, Kingston Fire and Rescue
- Mr. Doug Allport, Acting General Manager, MASAS - National Information Exchanges, Centre for Security Science
- Mr. Jason Cameron, Business Continuity & Recovery Planner, Calgary Emergency Management Agency
- Mr. Phil Healey, GIS Supervisor, Information Systems and Technology, City of Kingston

### **Moderator**

Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary

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## **Breakout Session 7 (York A & B)**

### **In-Building 3D Location and Tracking for Fire Fighters & Responders**

#### **Objective**

First responders, such as firefighters, often operate in extreme environments and may sometimes become disoriented (e.g., inside buildings) and disabled even in relatively small incidents. Many incidents (such as the events of 9/11 and the Worcester Cold Storage Warehouse fire that killed six firefighters) have highlighted the need for an accountability system to accurately locate, track, monitor, and visualize the locations of responders on a geospatial map. This will allow incident commanders and tactical-decision makers to virtually observe personnel movements in real time to avoid loss of life.

CITIG has been raising awareness about this issue for the past several years, and has been involved in facilitating research and Canadian participation, with support from the Canadian Safety & Security Program (CSSP), in the annual Precision Indoor Personnel Location and Tracking for Emergency Responders Technology Workshop at Worcester Polytechnic Institute.

The Canadian Association of Fire Chiefs has also recognized the importance and potential of this emerging technology. Finally, Toronto Fire Service, and in particular the work of resident expert Division Commander Andrew Kostiuk, has in many ways been leading the charge in Canada.

This 75 Minute Break-out Session will hear the results of a 3D In-Building Location and Tracking event, the first of its kind in Canada, taking place on December 2nd at Toronto City Hall. This event will provide an opportunity for participants to witness firsthand the challenges and opportunities of this emerging technology through presentations, demos and a live exercise. It will also explore how other Tri-Service and Emergency Management responders might leverage this research and turn it into operational capabilities in the years to come.

#### **Presenters**

- Mr. Jalal Mapar, Director, Resilient Systems Division (RSD), DHS Science & Technology
- Division Commander Andy Kostiuk, Toronto Fire Service

#### **Moderator**

Assistant Deputy Chief Mike Sullivan, Ottawa Fire Service



## Breakout Session 8 (Adelaide)

Social Media for Emergency Management - A Hands On Session!

### Objective

This "Hands On" session is designed to both inform and involve participants in the use of Social Media for Emergency Management (#SMEM).

The session will commence with a high level overview from a number of North America's leading SM practitioners. They will then work with attendees in table by table or one on one (as required) to answer questions, help folks register for Twitter/Facebook) and start posting!

The session will then close with a short (15 minute) #SMEMChat with folks from around the world!

### Agenda:

16:00 - 16:30 - Short (5 minute maximum) presentations by each of the presenters

16:30 - 17:00 - Hands on Tutorial

17:00 - 17:15 - #SMEMChat

*NOTE: Please BYOD (Bring Your Own Devices) - wireless internet will be provided.*

### Presenters

- @T\_Burrows - Sergeant Tim Burrows, Toronto Police Service
- @DanCottom - Mr. Dan Cottom, Toronto Emergency Medical Services
- @Toronto\_Fire - District Chief Stephan Powell, Toronto Fire Services Public Information Office
- @patricecloutier - Mr. Patrice Cloutier, Team Lead, Strategic Communications Unit, Communications Branch, Ministry of Community Safety and Correctional Services
- @karensnider - Ms. Karen Snider, Senior Media Manager, Canadian Red Cross
- @ElledeJonge - Chief Inspector Elle de Jonge, MSSM, Program Manager for Research and Innovation, Netherlands Police

### Moderator

Inspector Lance Valcour (Ret.) O.O.M., Executive Director, CITIG

## Wednesday, December 5, 2012

07:30-08:30 Breakfast (*Ballroom Foyer*)

08:30-08:45

Opening Remarks & Recap of Breakout Sessions (*Grand Ballroom*)

- Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary

## SESSION 19

08:45-10:05

### Session (*Grand Ballroom*)

Cross Border Interoperability - Challenges and Opportunities

#### Objective

Managing public safety interoperability is a complex endeavour at the best of times. Managing it between different jurisdictions is an even greater challenge. However, when the different jurisdictions are in another sovereign country - now that's when things get really interesting!

This session, led by Provincial and State representatives who are leading the way in cross border interoperability, is designed to outline both the challenges and opportunities inherent when dealing with this issue. Delegates will hear about exciting projects that relate not only to Canada - US interoperability but will be relevant to any jurisdiction wanting to improve communications (voice and/or data) with a neighbouring entity.

#### Presenters

- Mr. John Conrad, Executive Director, Provincial Operations Alberta Emergency Management Agency, Ministry of Municipal Affairs
- Mr. Don Mackinnon, Director of Planning, Manitoba Emergency Measures Organization
- Mr. Terry LaValley, Chair, National Public Safety Telecommunications Communications Council, Northern Border Working Group
- Mr. John Leitch, Strategic Manager, Saskatchewan Provincial Public Safety Telecommunications Network

#### Moderator

Inspector Lance Valcour (Ret.) O.O.M., Executive Director, CITIG

## SESSION 20

10:05-10:15

### Minister's Address (*Grand Ballroom*)

Interoperability As a Vital Component of Community Safety in Ontario

- The Honourable Madeleine Meilleur, Minister of Community Safety and Correctional Services, Ontario

Inspector Lance Valcour (Ret.) O.O.M., Executive Director, CITIG

10:15-10:45    **Network Break (*Ballroom Foyer*)**

## SESSION 21

10:45-12:00

### **Bear Pit Session (*Grand Ballroom*)**

Public Safety Interoperability - What's Working, What's Not?

#### **Objective**

In this fast paced session, speakers will be given a maximum of two minutes to sum up their thoughts on the question: Public Safety Interoperability - What's Working, What's not?

The floor will then be opened for an open, frank and hard hitting facilitated discussion between the delegates and the expert panel. Nothing is off the table and delegates are encouraged to not only ask questions but to offer opinions, recommendations and best practices.

Note: While Industry delegates are encouraged to actively participate in this Bear Pit Session, the moderator will not allow any "commercials" about their products or services.

#### **Panel**

- Deputy Chief Bill Moore, Halifax Regional Police & CITIG Chair
- Assistant Deputy Chief Michael Sullivan, Ottawa Fire Services & CITIG Vice-Chair
- Superintendent Greg Furlong, Ottawa Paramedic Service & CITIG Secretary
- Mr. Randy Reid, Province of Ontario & Co-Chair, SOREM Interoperability Working Group
- Mr. Pierre Trudel, Public Safety Canada & Co-Chair, SOREM Interoperability Working Group

#### **Facilitator**

Mr. Chris Davis, Partner, Lansdowne Technologies Inc.

12:00-12:10

### **Closing Remarks (*Grand Ballroom*)**

- Deputy Chief Bill Moore, Halifax Regional Police & CITIG Chair