

From: Jody Robertson
To: "Anne Kinvig s.22"; "Annie Gorra (Mochrie) (annie.gorra@vancouver.ca)"; "Barry Forbes s.22"; "Denlinger, Becky TRAN:EX"; "Bill McNulty (s.22)"; "Bill McNulty (bmcnulty@richmond.ca)"; "Bruce Bell (bbell@pittmeadows.bc.ca)"; "Cheryl Mah (McNulty) (cmah2@richmond.ca)"; "Cindy Savoy (Froese) (csavoy@tol.ca)"; "Woodcock, Danielle TRAN:EX"; "Denise Nawata (dnawata@farris.com)"; "Doug Campbell (Board Chair) (doug.d.campbell@ca.ey.com)"; "Haley Mah (Louie) (Haley.Mah@vancouver.ca)"; "Jack Froese (jfroese@tol.ca)"; "Jack McGee (jmcgee@wvpd.ca)"; "Moffat, Janet EHS:EX; Jody Robertson"; "Karl Preuss (kpreuss@delta.ca)"; "Krystal Boros"; "Leah Moys (Nawata) (lmoys@farris.com)"; "Lois Karr (lois.karr@rcmp-grc.gc.ca)"; "Mandy West (Preuss) (mwest@delta.ca)"; "Marion Chow (Waterhouse) (mchow@surrey.ca)"; "Sieben, Mark PSSG:EX"; "Mary Trentadue (mtrentadue@newwestcity.ca)"; "Nadine Scott (Karr) (nadine.scott@rcmp-grc.gc.ca)"; "Lilley, Neil EHS:EX; Duncan, Nikki PSSG:EX"; "Paul Mochrie (paul.mochrie@vancouver.ca)"; "Raymond Louie (rlrlouie@vancouver.ca)"; "Richard Walton (waltonr@dnv.org)"; "Susie To (Campbell) (susie.to@ca.ey.com)"; "Terry Waterhouse (terry.waterhouse@surrey.ca)"; "Tracie Finnigan (Walton & Stuart) (finnigan@dnv.org)"; "Warren Lemcke s.22
Cc: Oliver Gruter-Andrew; Mike Webb
Subject: NGRP bulletin
Date: Thursday, October 26, 2017 7:12:49 PM
Attachments: image001.png
image002.png
image003.png
image004.png
image005.png
NGRP_Fall2017_final.pdf

Good evening,

On behalf of Mike Webb and team, please find attached the latest issue of the Next Generation Radio Program (NGRP) newsletter, as part of our quarterly update to stakeholders on the radio replacement project.

In this issue we have provided updates on:

- Agency transitions to the new radio system
- Site development
- Encryption

Regarding encryption – this topic was in the news yesterday and this morning, following some fire department transitions earlier this week. As the Board is aware, encryption forms part of the P25 technology, meaning when used, scanners may be able to detect transmissions, but they will not be able to decrypt emergency services communications.

Although this week's transitions were not the first fire departments to move, it was likely more noticeable to media due to the size of the departments involved. When a fire department transitions, communication will be encrypted immediately (will be the same for EHS when it moves), but for police departments, their channels will not be encrypted until the last police agency transitions to the new radio system. This allows for continued communication across jurisdictions (the old and new networks are being patched). Combined channels shared by police/fire/ambulance will also become encrypted once all transitions are complete in 2018.

We continue to support our partners with key messages etc., as they field media enquiries on the LMD PFA decision to utilize encryption and to also answer questions via social media.

Cheers,

Jody

Jody Robertson, Executive Director, Corporate Communications & Governance/Corporate Secretary

P: 604-215-4956 / C: s.17



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From: Jody Robertson
To: [Allan Suckling](#); [Begg, Corinne EHS:EX](#); [Dan Pistilli](#); [Tyler Moore](#); [Wayne Plamondon \(wplamondon@abbypd.ca\)](#); [Fraser, Agnes EMBC:EX](#); [Anne Kinvig s.22](#); [Annie Gorra \(Mochrie\) \(annie.gorra@vancouver.ca\)](#); [Barry Forbes s.22](#); [Denlinger, Becky EMBC:EX](#); [Bill McNulty s.22](#); [Bill McNulty \(bmcnulty@richmond.ca\)](#); [Bruce Bell \(bbell@pittmeadows.bc.ca\)](#); [Cheryl Mah \(McNulty\) \(cmah2@richmond.ca\)](#); [Cindy Savoy \(Froese\) \(csavoy@tol.ca\)](#); [Woodcock, Danielle EMBC:EX](#); [Denise Nawata \(dnawata@farris.com\)](#); [Doug Campbell \(Board Chair\) \(doug.d.campbell@ca.ey.com\)](#); [Haley Mah \(Louie\) \(Haley.Mah@vancouver.ca\)](#); [Jack Froese \(jfroese@tol.ca\)](#); [Jack McGee \(jmcgee@wvpd.ca\)](#); [Moffat, Janet EHS:EX](#); [Jody Robertson](#); [Karl Preuss \(kpreuss@delta.ca\)](#); [Krystal Boros](#); [Leah Moyls \(Nawata\) \(lmoyls@farris.com\)](#); [Lois Karr \(lois.karr@rcmp-grc.gc.ca\)](#); [Mandy West \(Preuss\) \(mwest@delta.ca\)](#); [Marion Chow \(Waterhouse\) \(mchow@surrey.ca\)](#); [Sieben, Mark PSSG:EX](#); [Mary Trentadue \(mtrentadue@newwestcity.ca\)](#); [Lilley, Neil EHS:EX](#); [Duncan, Nikki PSSG:EX](#); [Paul Mochrie \(paul.mochrie@vancouver.ca\)](#); [Raymond Louie \(clrlouie@vancouver.ca\)](#); [Richard Walton \(waltonr@dnv.org\)](#); [Susie To \(Campbell\) \(susie.to@ca.ey.com\)](#); [Terry Waterhouse \(terry.waterhouse@surrey.ca\)](#); [Tracie Finnigan \(Walton & Stuart\) \(finnigant@dnv.org\)](#); [Warren Lemcke s.22](#)
Cc: [Oliver Gruter-Andrew](#); [Mike Webb](#)
Subject: NGRP update
Date: Wednesday, December 6, 2017 5:05:49 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

Good afternoon,

It is my great privilege to let you know on behalf of Oliver and Mike, that the NGRP and Wireless teams successfully transitioned the Abbotsford Police Department today, meaning all police transitions to the next gen radio system, with the exception of some specialty squads that fall under the jurisdiction of the RCMP, are done. This is a big milestone and one that these teams have worked very hard to achieve.

We are maintaining a patch between the old EDACS and the new P25 system on the main dispatch channels. This allows any member who has an old radio to communicate with members on the new system. Once the RCMP transitions their four specialty squads over to NGRP in the new year, we will be able to drop the patch and police communication will be encrypted. Shared PFA channels will become encrypted when the last fire department transitions over.

Jody

Jody Robertson, Executive Director, Corporate Communications & Governance/Corporate Secretary

P: 604-215-4956 / C: s.17



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FACT SHEET

Encryption of Police Radio Communications

- Traditionally, police and other first responders communicated and shared operational information among one another through analogue radio systems.
- Emergency Communications for British Columbia Incorporated (E-Comm) owns and operates the wide-area radio network used by first responders across greater Vancouver and the Fraser Valley. It is one of the largest multi-agency public safety radio networks in Canada, a key component for responding to public safety emergencies, and serves as critical infrastructure in the event of a major disaster.
- In recent years first responders across North America have moved away from traditional analogue radios and towards the application of encrypted systems that effectively scramble broadcasts and render them inaudible to the public.
- Starting in 2017 most Lower Mainland emergency services will start transitioning to a new radio system based on Project 25 ('P25') digital technology in the 700 MHz band.
- Encryption is part of the P25 technology, meaning scanners may be able to detect transmissions but will not be able to decrypt emergency services communications.
- P25 encrypted technology offers the following benefits:
 - Emergency communications will be secured from criminals who monitor frequencies for nefarious purposes and may threaten public and first responder safety;
 - Protects personal privacy (when citizens receive assistance from first responders highly sensitive personal information is often transmitted over the network);
 - Aligns to a standard being adopted by emergency services across North America;
 - Improved audio and communication in emergencies (benefits public safety);
 - Wider network coverage;
 - Protects the integrity of criminal investigations;
 - Ensures the priorities of the radio system are fulfilled.
- The RCMP is also progressively modernizing its radio systems to digital with encryption where viable. This modernization has already taken place in the Lower Mainland (95%), Vancouver Island (100%), Southeast District (100%) and North District (60%).
- Media outlets, which have relied upon on radio frequency scanners to track public safety issues, have been critical of encrypted communications. Their concerns relate to:
 - how media can be made aware of specific events in their community;
 - how the public receives unfiltered information about emergency events.
- While acknowledging media has a high level of interest in emergency events and is a valued partner for publicly disseminating emergency information, E-Comm is obligated to ensure all communications are fully secured.

Comment [FRLP1]: Content from E-Div Comms via DS

Comment [FRLP2]: Content based on approved info provided by E-Comm. Content has been reviewed by Donna Sitter.

From: SZYMCZAK, Aimee
To: PALMER, Adam; Andrew BRINTON; Barry KROSS; Bob DOWNIE; Bob RICH; Chris RATTENBURY; Pecknold, Clayton JAG:EX; Darren Lench (Derren.Lench@csaanich.ca); Dave Jansen; XT:Jones, Dave LCLB:IN; Dave SCHMIRLER; Deborah DOSS-CODY; XT:Manak, Del LCLB:IN; LEPARD, Doug; Ed EVISTON; Frank ELSNER; Grywinski, John (John.Grywinski@cfseu.bc.ca); Kent THOM; Kevin HACKETT; Laurin STENERSON; Len GOERKE (lengoerke@wvpd.ca); Les SYLVEN; LEOCI, Lil (VPD); Anderson, Lisa R JAG:EX; Lyle BEAUDOIN; Neil Dubord - Chief Constable (ndubord@deltapolice.ca); Norm LIPINSKI; Paul BURKART; RAI, Steve; Rich DRINOVZ; Scott GREEN; Steve ING; Steve SCHNITZER; SZYMCZAK, Aimee; LEMCKE, Warren; XT:Holland, Wayne LCLB:IN
Cc: Aimee Quijano; SZYMCZAK, Aimee; Alisha Hagan; Barbara Sherman; BEST, Sheilah; Brita Wood; Collette Mahon; Donna Macey; XT:Trudeau, Liz JAG:IN; Ginny Lowood; Heather Putney; Jackie Mooney; Jeannine Lawson; XT:Chu, Jim VPD LCLB:IN; XT:AG Lang, Laura AG:IN; LEOCI, Lil (VPD); Linda MATONOVICH; Mary Beauregard; Melissa McHugh; Butterfield, Nicole JAG:EX; Rhonda DOIG; Sandra Boleak; Shirley Anderson; Simone Gardner; Stephanie Rust; XT:Harper, Sue FIN:IN; TEMPESTA, Laura; Wendy KIOVSKY; Wendy Parker
Subject: BCAMCP - September 15 Meeting Package
Date: Thursday, September 10, 2015 2:48:11 PM
Attachments: [Agenda - Sept. 15 2015.pdf](#)
[Attachment Old Business Item 3.pdf](#)
[Fwd Special Committee to Review the Freedom of Information and Protection of Privacy Act.msg](#)
[Agenda attachment Item NB 8.pdf](#)
[Fw POLJS Committee - Stats Report.msg](#)
[June 16 Minutes -Final.pdf](#)

Hello,

Attached please find the September 15th BCAMCP meeting package.

Tuesday, September 15th, 2015

North Delta Public Safety Building, 11375 - 84th Avenue

9:00 am: Coffee/Muffins/Fruit

9:30 am: Meeting Starts

Thank you

Aimee

Aimee Szymczak, Executive Assistant
Office of Deputy Chief Constable Warren Lemcke
Vancouver Police Department, Operations Division
604-717-3164

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From: David Guscott
To: [Anne Kinvig](#); [Barry Forbes](#); [Bill McNulty](#); [Bill McNulty](#); [Bob Rolls](#); [Cheryl Mah \(McNulty\)](#); [Pecknold, Clayton JAG:EX](#); [Doug Campbell](#); [Gary Bass](#); [Gayle Martin](#); [Jack Froese](#); [Jack McGee](#); [Biggs, Jackie TRAN:EX](#); [Moffat, Janet EHS:EX](#); [Jocelyn Kelley \(Board Chair\)](#); [Julie Grover \(Garis\)](#); [Engelbrecht, Karen JAG:EX](#); [Karl Preuss](#); [Steeerstra, Kathy EHS:EX](#); [Kevin Tantanarasarn \(Kelley\)](#); [XT:Garis, Len HLTH:IN](#); [Linda da Silva \(Preuss\)](#); [Lorraine Sebastian](#); [Lorraine Wilson \(Garis\)](#); [Louise Horton \(Walton\)](#); [Mandy West \(Preuss\) \(mwest@delta.ca\)](#); [Mary Trentadue](#); [Butterfield, Nicole JAG:EX](#); [Quealey, Pat TRAN:EX](#); [Raymond Louie](#); [Raymond Louis](#); [Richard Walton](#); [Sadhu Johnston \(sadhu.johnston@vancouver.ca\)](#); [Sally Chiang \(Kinvig\)](#); [Sarah Basi \(Louie\)](#)
Subject: Capital Region Emergency Services Telecommunications
Date: Tuesday, January 5, 2016 4:21:01 PM
Attachments: image001.jpg

Good evening,

I wanted to share a copy of a news release issued by CREST (Capital Region Emergency Services Telecommunications) today about its selection of Motorola as its supplier for radio infrastructure equipment for its radio replacement program. For those of you who may not be familiar with CREST, it is the organization that operates the radio system used by police, fire and ambulance services in the Capital Region of Vancouver Island. Like E-Comm, CREST is moving to a new P25 digital radio system over the next few years.

Because CREST is moving to P25 and has selected the same infrastructure provider we did following our 2014 procurement process, we have signed an agreement with CREST to link our two radio systems together when they are live. This will result in significant public safety benefits as both organizations will be on a common technology platform; strengthening resiliency and interoperability in both our service areas. Simply put, it means emergency responders for both regions will be using the same radio system and would be able to support each other during a major event if required (e.g. Victoria police officers could come to Vancouver with their radios and vice versa and be in instant communication). In addition, because both systems will be interconnected, they will be able to act as each other's back-up.

You can read more in CREST's news release <http://crest.ca/crest-moving-forward-with-new-radio-system-partnerships/>

Dave


David Guscott, President & CEO

Tel: 604-215-5002 | Fax: 604-215-4933



ecom911.ca Twitter: [@EComm911_info](https://twitter.com/EComm911_info)

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 **Please Be Green** – save some trees and print only if necessary

From: Manak, Del
To: [Pecknold, Clayton PSSG:EX](#)
Subject: CONFIDENTIAL***Internal Briefing Note re: CREST
Date: Monday, September 18, 2017 1:32:02 PM
Attachments: BN - CREST Update 20170901.pdf

Hi Clayton, ***CONFIDENTIAL***

As discussed, this briefing note summarizes the current situation and our highlights our concerns. Please do not share outside of your office. Thanks.

Chief Del Manak

Victoria Police Department

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From: [Butterfield, Nicole PSSG:EX](#)
To: [Pecknold, Clayton PSSG:EX](#)
Cc: [Steenvoorden, Tom PSSG:EX](#); [Baylis, Amy PSSG:EX](#)
Subject: FW: Encrypted Radio Comms - Fact Sheet
Date: Monday, October 30, 2017 9:01:18 AM
Attachments: [171024 FACT SHEET - Encryption of Police Radio Comms.docx](#)
[Re Encrypted Radio Comms - Fact Sheet.msg](#)

Sorry Clayton, I'm just looking at this now. It came to me on Wed, but I didn't realize you tasked this to Rob with a due date of Fri, Oct 27th. It's been printed and placed in your yellow folder.
Thank you,
Nicole

From: Steenvoorden, Tom PSSG:EX
Sent: Wednesday, October 25, 2017 8:49 AM
To: Butterfield, Nicole PSSG:EX; Baylis, Amy PSSG:EX
Subject: FW: Encrypted Radio Comms - Fact Sheet
Good Morning Nicole & Amy,

CP tasked Rob with drafting a one pager on encryption of police radio comms. CP asked that this task be completed by Friday. Attached is information CP was seeking, it has been approved by Tonia.
Thanks,
Tom

From: Steenvoorden, Tom PSSG:EX
Sent: Tuesday, October 24, 2017 4:25 PM
To: Enger, Tonia PSSG:EX
Cc: Bishop, Virginia PSSG:EX; Chiang, Milena PSSG:EX; Van Swieten, Catherine PSSG:EX; Ferrier, Rob L PSSG:EX
Subject: Fw: Encrypted Radio Comms - Fact Sheet
Tonia, this morning CP requested that Rob create a one-pager on the transition of police radio communications to encrypted mode. This request is in response to media concerns regarding access. Sorry I am not clear on the urgency of the request. Attached is the response Rob drafted.
Thanks Rob.
Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Ferrier, Rob L PSSG:EX <Rob.Ferrier@gov.bc.ca>
Sent: Tuesday, October 24, 2017 3:34 PM
To: Steenvoorden, Tom PSSG:EX
Subject: RE: Encrypted Radio Comms - Fact Sheet
For review please Tom, this version includes info re RCMP as provided by DS.
Thanks.

Rob

From: Steenvoorden, Tom PSSG:EX
Sent: Tuesday, October 24, 2017 2:18 PM
To: Ferrier, Rob L PSSG:EX
Subject: Re: Encrypted Radio Comms - Fact Sheet
This is good for E-Comms, can we get a bullet regarding the RCMP adopting the same system BC wide. I would suggest going through Donna S. as I believe RCMP comms have put out media release on the same issue.
Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Ferrier, Rob L PSSG:EX

Sent: Tuesday, October 24, 2017 2:04 PM
To: Steenvoorden, Tom PSSG:EX
Subject: Encrypted Radio Comms - Fact Sheet
Hi Tom.

As mentioned, CP came to me directly asking for a 1 page 'Fact Sheet' on Emergency Communications Radio systems in BC moving towards encrypted transmissions. I understand the media has raised concerns from the perspectives that (1) they need to be kept informed of emergency events within local communities, and (2) their role in ensuring the public has unfiltered info about emergency situations.

I consulted with E-Comm and they provided me approved media materials on this very issue, from which I have developed the attached document. Can you please review Tom?

Thanks.

rob

Rob Ferrier

Sr. Program Manager
Policing Operations Support
Ministry of Public Safety & Solicitor General
250.356.6522
rob.ferrier@gov.bc.ca

From: [Sieben, Mark PSSG:EX](#)
To: [Pecknold, Clayton PSSG:EX](#)
Subject: Fw: NGRP bulletin
Date: Thursday, October 26, 2017 7:16:33 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[NGRP_Fall2017_final.pdf](#)

Just fyi- what ECOMM is saying.

Sent from my BlackBerry 10 smartphone on the TELUS network.

From: Jody Robertson
Sent: Thursday, October 26, 2017 7:12 PM
To: 'Anne Kinvig (s.22)'; 'Annie Gorra (Mochrie) (annie.gorra@vancouver.ca)'; 'Barry Forbes (s.22)'; 'Denlinger, Becky TRAN:EX'; 'Bill McNulty (s.22)'; 'Bill McNulty (bmcnulty@richmond.ca)'; 'Bruce Bell (bbell@pittmeadows.bc.ca)'; 'Cheryl Mah (McNulty) (cmah2@richmond.ca)'; 'Cindy Savoy (Froese) (csavoy@tol.ca)'; 'Woodcock, Danielle TRAN:EX'; 'Denise Nawata (dnawata@farris.com)'; 'Doug Campbell (Board Chair) (doug.d.campbell@ca.ey.com)'; 'Haley Mah (Louie) (Haley.Mah@vancouver.ca)'; 'Jack Froese (jfroese@tol.ca)'; 'Jack McGee (jmcgee@wvdp.ca)'; 'Moffat, Janet EHS:EX'; 'Jody Robertson'; 'Karl Preuss (kpreuss@delta.ca)'; 'Krystal Boros'; 'Leah Moyls (Nawata) (lmoyls@farris.com)'; 'Lois Karr (lois.karr@rcmp-grc.gc.ca)'; 'Mandy West (Preuss) (mwest@delta.ca)'; 'Marion Chow (Waterhouse) (mchow@surrey.ca)'; 'Sieben, Mark PSSG:EX'; 'Mary Trentadue (mtrentadue@newwestcity.ca)'; 'Nadine Scott (Karr) (nadine.scott@rcmp-grc.gc.ca)'; 'Lilley, Neil EHS:EX'; 'Duncan, Nikki PSSG:EX'; 'Paul Mochrie (paul.mochrie@vancouver.ca)'; 'Raymond Louie (crlouie@vancouver.ca)'; 'Richard Walton (waltonr@dnv.org)'; 'Susie To (Campbell) (susie.to@ca.ey.com)'; 'Terry Waterhouse (terry.waterhouse@surrey.ca)'; 'Tracie Finnigan (Walton & Stuart) (finnigan@dnv.org)'; 'Warren Lemcke (s.22)
Cc: Oliver Gruter-Andrew; Mike Webb
Subject: NGRP bulletin

Good evening,

On behalf of Mike Webb and team, please find attached the latest issue of the Next Generation Radio Program (NGRP) newsletter, as part of our quarterly update to stakeholders on the radio replacement project.

In this issue we have provided updates on:

- Agency transitions to the new radio system
- Site development
- Encryption

Regarding encryption – this topic was in the news yesterday and this morning, following some fire department transitions earlier this week. As the Board is aware, encryption forms part of the P25 technology, meaning when used, scanners may be able to detect transmissions, but they will not be able to decrypt emergency services communications.

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We continue to support our partners with key messages etc., as they field media enquiries on the LMD PFA decision to utilize encryption and to also answer questions via social media.

Cheers,

Jody

Jody Robertson, *Executive Director, Corporate Communications & Governance/Corporate Secretary*

P: 604-215-4956 / C: S.17



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From: Butterfield, Nicole PSSG:EX
Sent: Monday, October 30, 2017 1:36 PM
To: Duncan, Nikki PSSG:EX
Cc: Pecknold, Clayton PSSG:EX; Enger, Tonia PSSG:EX; Steenvoorden, Tom PSSG:EX; Ferrier, Rob L PSSG:EX
Subject: RE: Fact Sheet: Encryption of Police Radio Communications
Attachments: FACT SHEET - Encryption of Police Radio Comms.docx

Thank you Nikki.

N

From: Duncan, Nikki PSSG:EX
Sent: Monday, October 30, 2017 1:35 PM
To: Harrison, Veronica PSSG:EX
Cc: Butterfield, Nicole PSSG:EX; Wakeman, Michelle PSSG:EX
Subject: Fact Sheet: Encryption of Police Radio Communications

Good afternoon,
Please see attached fact sheet prepared by PSB regarding Encryption of Police Radio Communications. It has been reviewed by the DSG as well.
Thank you,
Nikki

Nikki Duncan | Manager, Executive Operations
Office of the Deputy Solicitor General

Ministry of Public Safety and Solicitor General
11th Floor, 1001 Douglas Street | Victoria, BC V8W 2C5
Phone: 250-387-5131

From: Sitter, Donna GCPE:EX
Sent: Tuesday, February 20, 2018 4:02 PM
To: Pecknold, Clayton PSSG:EX
Subject: RE: For Review - CTV Media Request - Encryption of First Responder Communications

HAH! Thanks

From: Pecknold, Clayton PSSG:EX
Sent: Tuesday, February 20, 2018 4:01 PM
To: Sitter, Donna GCPE:EX
Subject: Re: For Review - CTV Media Request - Encryption of First Responder Communications

I don't care.

Sent from my BlackBerry — the most secure mobile device

From: Donna.Sitter@gov.bc.ca
Sent: February 20, 2018 3:57 PM
To: Clayton.Pecknold@gov.bc.ca
Subject: FW: For Review - CTV Media Request - Encryption of First Responder Communications

Hi do you care - can I just say it's okay?

From: Sitter, Donna GCPE:EX
Sent: Tuesday, February 20, 2018 1:21 PM
To: Pecknold, Clayton PSSG:EX
Cc: Roberts, Michelle J GCPE:EX
Subject: For Review - CTV Media Request - Encryption of First Responder Communications

Sandra has reviewed - EMBC is handling this one as it involves fire dept scanners but they have received some info/messing from E-COMM that they are using. Okay?

From: Turner, Jordan GCPE:EX
Sent: Tuesday, February 20, 2018 12:28 PM
To: Sitter, Donna GCPE:EX
Cc: Roberts, Michelle J GCPE:EX
Subject: FW: CTV Media Request - Encryption of First Responder Communications

Hi Donna and Michelle –

I've basically taken the E-Comm responses and moved them around for Farnworth's use, and then added a section on public alerting.

Would you like to send up for sign-off on your side?

Jordan Turner
Communications Manager | EMBC
Government Communications and Public Engagement
Phone: [\(250\) 952-5062](tel:(250)952-5062) **Cell:** s.17

From: Turner, Jordan GCPE:EX
Sent: Tuesday, February 20, 2018 12:26 PM
To: Denlinger, Becky EMBC:EX
Cc: Woodcock, Danielle EMBC:EX; Fraser, Agnes EMBC:EX; Leidl, Patricia GCPE:EX
Subject: CTV Media Request - Encryption of First Responder Communications

Hi Becky,

CTV looking to interview Farnworth about this. Gord has reviewed. Please review ASAP

I'm also sending to Police Services for their review.

Thanks,

Jordan Turner

Communications Manager | EMBC

Government Communications and Public Engagement

Phone: (250) 952-5062 **Cell:** s.17

Reporter

Jon Woodward, Reporter

CTV News (BC)

Jon.Woodward@bellmedia.ca

604-351-1831

Deadline: Wednesday, February 21, 2018 4:30 PM

Request

Reporter is looking to get on-camera comment from Minister regarding the encryption of fire department communications.

The focus of the story is essentially:

"Fire department scanners were a key tool to inform media and the public about emergencies and what is going on in the community. Now that they are being encrypted, what is replacing them?"

Reporter thinks the scanner system is a centralized approach replaced by a city-by-city approach that looks to individual social media feeds or apps. The social media feeds are slower (sometimes by several hours or even days) and there's a weakness to the app approach: i.e. if you're a Richmond resident and you have the Richmond app but you go to Surrey, will you get notified? (The answer right now appears to be no.)

He compares that to the tsunami notification – that was immediate over all channels.

One example the reporter is looking at is comparing the scanner chatter on the railyard fire in Port Coquitlam to the social media information. He wants to ask the minister about how he felt about the information sharing with the public in that day – as the Minister was there on both the fire day and the tsunami day -- and whether he's

concerned that the multiple notification feeds from the cities aren't co-ordinated.

Recommendation:

- Starting in 2017, most Lower Mainland emergency services began to transition to a new best-in-class radio system. All transitions will be complete in March 2018.
- The new radio system will provide clearer audio, better coverage and greater security features for emergency services. It will enhance the safety and security of first responders through increased use of shared channels, allowing for better communication in emergencies, which will in turn, benefit public safety.

What can you tell us about the technology?

- Based on "Project 25" digital technology in the 700 MHz band, "P25," is state-of-the-art technology and is an open standard that all emergency services across North America are widely adopting.
- The technology was selected by the Lower Mainland emergency services community – police, fire and ambulance – following rigorous analysis and testing. As their service provider, E-Comm supported the selection and in 2014, began planning for the massive technical and operational undertaking of developing and implementing a new radio network design that will replace the existing radio system that has served the region well since 1999.
- Encryption forms part of the P25 technology, meaning when used, scanners may be able to detect transmissions, but they will not be able to decrypt emergency services communications. First responder communication will be kept secure and out of the hands of criminals who routinely monitor communication for nefarious purposes that pose a threat to first responder and public safety.
- Secure communications will further protect the privacy of the public who are being assisted by emergency services during the necessary transmittal of personal and private information over the voice network. The matters dealt with over the system can be highly sensitive for the parties involved, attracting heightened obligations to protect personal privacy.

Why include Fire Departments?

- While police and ambulance communication may appear to be the more obvious communication in need of protection (e.g. criminal activity and/or personal medical information), the fire service also deals with sensitive medical information, private premise data (e.g. building alarm codes) and routinely shares radio channels with their police and ambulance partners.

- Because police communication requires encryption, in order for police, ambulance and fire departments to communicate over shared channels, all agencies must be encrypted (i.e., it's either all or nothing).

What about the media's use of scanners?

- We appreciate there is a robust scanning community that has a strong and reputable interest in the operations of emergency services as a primary hobby. However, the primary focus must be on providing seamless communication between police officers, paramedics and firefighters and maintaining confidentiality of sensitive operational information and citizens' personal information. This includes locations, specific circumstances and personal information of perpetrators, victims and those in medical distress.
- The priority must be to assist agencies using the radio system to protect the integrity of criminal investigations and response, the safety of emergency responders and the public and the privacy of those who need their help. Encryption is a critical means to achieving that.

In response to concerns about "app-based" and other public alerting systems not being a sufficient substitute for scanners:

- EMBC continues to support the Federal Government's implementation of the National Public Alerting System. The Canadian Radio-television and Telecommunications Commission announced that wireless service providers must have the capability to issue notifications to LTE smartphones connected to LTE networks by April 2018.
- The National Public Alerting System is designed to give the public the notice necessary to save lives and protect property.
- This expanded mandate – which now includes broadband LTE networks – will complement other tools already employed in B.C such as the Provincial Emergency Notification System, social media, and in a number of communities, subscription text alerts, sirens and other alerting mechanisms. The aim is to reach as many people through as many communication platforms as possible.
- Given the number of British Columbians who subscribe to wireless as opposed to landline services, this evolution in alerting represents the next logical step that will save lives and promote greater resilience in the face of disaster.

From: [Enger, Tonia PSSG:EX](#)
To: [Steenvoorden, Tom PSSG:EX](#)
Cc: [Bishop, Virginia PSSG:EX](#); [Chiang, Milena PSSG:EX](#); [Van Swieten, Catherine PSSG:EX](#); [Ferrier, Rob L PSSG:EX](#)
Subject: Re: Encrypted Radio Comms - Fact Sheet
Date: Wednesday, October 25, 2017 8:31:28 AM

Fine, please process for Clayton.

On Oct 24, 2017, at 4:24 PM, Steenvoorden, Tom PSSG:EX
<Tom.Steenvoorden@gov.bc.ca> wrote:

Tonia, this morning CP requested that Rob create a one-pager on the transition of police radio communications to encrypted mode. This request is in response to media concerns regarding access. Sorry I am not clear on the urgency of the request. Attached is the response Rob drafted.

Thanks Rob.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Ferrier, Rob L PSSG:EX <Rob.Ferrier@gov.bc.ca>
Sent: Tuesday, October 24, 2017 3:34 PM
To: Steenvoorden, Tom PSSG:EX
Subject: RE: Encrypted Radio Comms - Fact Sheet

For review please Tom, this version includes info re RCMP as provided by DS.
Thanks.

Rob

From: Steenvoorden, Tom PSSG:EX
Sent: Tuesday, October 24, 2017 2:18 PM
To: Ferrier, Rob L PSSG:EX
Subject: Re: Encrypted Radio Comms - Fact Sheet

This is good for E-Comms, can we get a bullet regarding the RCMP adopting the same system BC wide. I would suggest going through Donna S. as I believe RCMP comms have put out media release on the same issue.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Ferrier, Rob L PSSG:EX
Sent: Tuesday, October 24, 2017 2:04 PM
To: Steenvoorden, Tom PSSG:EX
Subject: Encrypted Radio Comms - Fact Sheet

Hi Tom.

As mentioned, CP came to me directly asking for a 1 page 'Fact Sheet' on Emergency Communications Radio systems in BC moving towards encrypted transmissions. I understand the media has raised concerns from the perspectives that (1) they need to be kept informed of emergency events within local communities, and (2) their role in ensuring the public has unfiltered info about emergency situations.

I consulted with E-Comm and they provided me approved media materials on this very issue, from which I have developed the attached document. Can you please review Tom?

Thanks.

rob

Rob Ferrier

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<171024 FACT SHEET - Encryption of Police Radio Comms.docx>