

Canadian Radio – television and
Telecommunications Commission

Interconnection Steering Committee

Report to the CRTC

by the

Emergency Services Working Group (ESWG)

**Rollout Schedule for Wireless Phase II
Stage 1 E9-1-1 Implementation**

Report Number: ESRE0048a

Version 2.0

June 11th, 2009

Revision History:

Version	Date	Author	Summary of Changes
1.0	May 1, 2009	Chris Kellett	<p>Approved version for submission to the CRTC CISC per the May 2nd, 2009 deadline (see Section 1 – Background for details)</p> <p>NOTE: A version 2.0 of this report will be issued once a CRTC decision is received in relation to TELUS Mobility’s proposed rollout schedule (Appendix C).</p>
2.0	June 11, 2009	Chris Kellett	<p>On June 2, 2009 TELUS filed a letter and revised Rollout Schedule that meets the February 1, 2010 deadline. This revised scheduled was approved by the CRTC in Telecom Decision 2009-328 and confirmed on the June 11, 2009 ESWG conference call. Appendix C was updated accordingly with this information. As well, the Conclusion section was changed to remove the reference to the pending decision, and the update to ESRE0047 version 1.5 was noted.</p>

Table of Contents

1. Background	4
2. Introduction	4
3. ESWG Approach	4
4. Geographical Rollout Schedule by Major Area	6
5. New WSP Entrants	7
6. Conclusions	7
Appendix A – Bell Mobility Rollout Schedule	8
Appendix B – Rogers Wireless Rollout Schedule	9
Appendix C – TELUS Mobility Rollout Schedule	10
Appendix D – MTS Wireless Rollout Schedule	11
Appendix E – SaskTel Mobility Rollout Schedule	12

1. Background

On February 2, 2009 the CRTC issued Telecom Decision 2009-40 with respect to the Implementation of Wireless Phase II E9-1-1 Service in Canada. Within the decision, the Emergency Services (9-1-1) Working Group [ESWG] received the following direction:

18. The Commission requests the ESWG to develop a rollout schedule for the wireless carriers' deployment of wireless Phase II Stage 1 E9-1-1 service wherever wireline E9-1-1 service is available across Canada, and to file this schedule for Commission approval within three months of the date of this decision. The Commission considers that in developing the rollout schedule, the ESWG should establish criteria to prioritize deployment in the various PSAP serving areas. The rollout schedule should indicate the sequence of deployment and the dates by which the service will be available in each area. The Commission requests the PSAPs to participate in the development of the rollout schedule in order to help ensure that it reasonably accommodates their preferred deployment dates as well as those of the wireless carriers and ILECs.

2. Introduction

The purpose of this document is to provide a high level Province by Province rollout schedule (see Section 4 for details), as well as detailed rollout schedules on a PSAP by PSAP basis for wireless service providers currently delivering Phase I E9-1-1 in Canada (see attached Appendices).

This document is provided in conjunction with ESRE0047b - Wireless E9-1-1 Phase II Stage 1 Technical Specification Recommendation Version 1.3.

These two reports were developed through the combined efforts of WSP, ILEC 9-1-1 Providers, and PSAP representatives (see Section 3 for details). Together they provide a detailed criteria, priority, and schedule for Wireless E9-1-1 Phase II Stage 1 rollout across Canada. They are submitted to the Commission on May 2nd, 2009.

3. ESWG Approach

After filing the October 31, 2008 Report (ESRE0046) – Technical and Operational Requirements of Wireless Phase II E9-1-1 Implementation, the Emergency Service Working Group (ESWG) continued regular monthly conference calls. This continued work resulted in the creation of three new Task Identification Forms (TIFs), one to address Stage 1 preparations (TIF57), and two more to focus on Stage 2 items (TIF58 and 59). The TIFs are as follows:

TIF 57: Wireless Phase II Rollout – Criteria, Priority, Schedule

To advance a Phase II Wireless schedule and to develop what criteria to be used in determining priority of the rollout.

STATUS: The vast majority of work since the February 2, 2009 Telecom Decision 2009-40 has been undertaken in relation to this TIF (see the TIF57 diary for full details). The sub-committee members detailed in the ESRE0047b Technical Specifications report, have met on a weekly conference call, conducted numerous additional off-line technical conference calls, and held a face to face meeting in Toronto in order to deliver both these reports within the 3 month timeline.

TIF 58: Wireless Phase II E9-1-1 Support of Roamers (North American), Roamers (International), Uninitialized, Unsubscribed, Unregistered, and Lapsed Subscriptions.

The October 31, 2008 ESWG report, “Technical and Operational Requirements of Wireless Phase II E9-1-1 Implementation” recommended, “that wireless roamer 9-1-1 calls should continue to be processed as they are today. The ESWG further recommends that wireless phase II E9-1-1 support of roamers should be investigated by the ESWG and as technology permits, for inclusion in a subsequent stage [of wireless phase II deployment] such as stage 2.” Telecom Regulatory Policy CRTC 2009-40, released on February 2, 2009, requests the CISC to file a report on its findings to the Commission by August 2, 2009.

STATUS: The monthly conference calls of the full ESWG group have continued since January with a strong focus on TIF57; however work has been undertaken to move this TIF forward as well. On April 9, 2009 the ESWG decided to update the definition of this TIF as follows: How to provide location information from Roamers (North American), Roamers (International), Uninitialized, Unsubscribed, Unregistered, and Lapsed Subscription. This change combined Stage 2 Features – table item 12 (Support of Roamers), and table item 13 (Support of unsubscribed handsets) from ESRE0046 Report filed on October 31, 2008.

TIF 59: Wireless Phase II E9-1-1 In-Call Location Update (ICLU)

The October 31, 2008 ESWG report, “Technical and Operational Requirements of Wireless Phase II E9-1-1 Implementation” recommended, “that the ESWG investigate the ability to provide mid-call location updates (Rebids) for inclusion in a future deployment such as stage 2.” Telecom Regulatory Policy CRTC 2009-40, released on February 2, 2009, requests the CISC to file a report on its findings to the Commission by August 2, 2009.

STATUS: The monthly conference calls of the full ESWG group have continued since January with a strong focus on TIF57; however work has been undertaken to move this TIF forward as well.

4. Geographical Rollout Schedule by Major Area

The ESWG recommends a geographic rollout schedule on a Province by Province basis, with the focus to start with major centre's in order to best utilize the resources of WSPs, ILECs, and PSAPs in the most efficient and timely manner possible.

Province by Province – Major Area's as follows:

- Ontario – Toronto PSAP
- Ontario – Peel Regional PSAP
- British Columbia – E-Comm PSAP (Greater Vancouver Regional District)
- Alberta – Calgary and Edmonton PSAPs
- Quebec – Montreal – MUC PSAP
- Nova Scotia – Provincial PSAPs
- New Brunswick – Provincial PSAPs
- Prince Edward Island – Provincial PSAPs
- Manitoba – Winnipeg and Brandon PSAPs
- Saskatchewan – Provincial PSAPs
- Ontario – other PSAPs
- British Columbia – other PSAPs
- Alberta – other PSAPs
- Quebec – other PSAPs

It should be noted that the implementation in the different areas can be carried out simultaneously and do not necessarily have to be done concurrently i.e. in a linear fashion. As detailed in Appendices A to E, many of the WSPs have provided (or will in the near future) a PSAP by PSAP rollout schedule on a varied basis in order to minimize overlap and to facilitate the efficient use of resources for the key stakeholders (i.e. WSPs, ILECs, and PSAPs).

Two proof of concept lab trials are planned for Toronto/Peel Regional PSAPs, and the British Columbia E-Comm PSAP in the late June, early July timeframe; Details continue to be finalized through the work of the TIF57 sub-committee.

Production delivery of Wireless E9-1-1 Phase II Stage 1 calls will be available by the August 2, 2009 mandated implementation deadline. The rollouts are scheduled to be completed by the February 1, 2010 deadline [NOTE: see Section 6 – “Conclusions” for specific undertakings that are related to the end date].

5. New WSP Entrants

It should be noted that new WSP entrants have been involved in the ESWG process, however are not currently in a position to provide detailed rollout schedules because they have not launched services yet. As detailed in paragraph 20 (4) of Telecom Decision 2009-40, the Commission mandated that when a new WSP enters the market, at the time of service launch it must support wireless Phase II Stage 1 E9-1-1 service where it has been implemented. New Entrants are encouraged to share rollout schedules as soon as practical so that ILECs and PSAPs can properly prepare and support service launches.

6. Conclusions

This rollout schedule report, along with the ESRE0047 – Wireless E9-1-1 Phase II Stage 1 Technical Specification Recommendation Version 1.5 report are the output from several months of extensive work by WSPs, ILEC 9-1-1 Providers, and PSAPs. They were submitted as consensus reports with the following undertaking:

- a. It is recognized that within these extensive schedules that adjustments to dates may be required, and when this occurs, it must be with the expressed agreement of the applicable WSP, ILEC, and PSAP representatives with at least 1 months notice; With the caveat that any schedule changes must ensure the February 1, 2010 deadline is still met.

This Report was formally adopted the CRTC in Telecom Decision 2009-328 on June 4, 2009. The CISC ESWG respectfully submits this updated report to the CRTC for information.

Appendix A – Bell Mobility Rollout Schedule

CRTC INTERCONNECTION STEERING COMMITTEE

CONTRIBUTION: ESCO0301b

DATE OF SUBMISSION: May 1, 2009

WORKING GROUP: CISC - Emergency Services Working Group (9-1-1)

RELATED TIF#: TIF 57

TITLE: Bell Mobility Proposal for Rollout 2.0

ISSUES ADDRESSED: This report as per request from the CISC ESWG on the E911 PH II rollout for submission to the CRTC

SOURCE: Francis Fernandes
Bell Mobility

FILE NAME: Enhanced Wireless 9-1-1 PH II stage I

DISTRIBUTION: CISC Emergency Services Working Group

This contribution is collectively submitted by: Bell Mobility's Technology Development, Engineering, Services Development and Strategy sub-groups that can be withdrawn or revised at any time.

Introduction

As per **Telecom Regulatory Policy CRTC 2009 40**, ESWG has to submit a rollout schedule for the wireless carriers' deployment of wireless Phase II Stage 1 E9-1-1 service wherever wireline E9-1-1 service is available across Canada, **and to file this schedule for Commission approval within three months of the date of this decision.**

Scope

Bell Mobility's proposal on the rollout schedule based on ESWG (ILEC –PSAP) considerations

Testing Models

Model 1: Sector by Sector testing

Conduct testing with one call from every Cell/Sector nationwide. This is the most exhaustive test that validates common call paths with every possible originating location

Pros: This is a 100% validation that Phase I routing is correct.

Cons: It's very labor intensive for all parties and will potentially extend the rollout schedule.

Model 2: Sample testing with Unique Routing

Conduct unique routing testing end to end by performing sample originations from a common area to a fixed termination. WSP conducts ESRD to cell site validation independently prior to rollout. ILEC ensure that Selective routing is unaltered (Statement from ILEC required)

As opposed to Model 1 this model analyses the call flow, breaks down the common components and applies testing to those areas that have been changed therefore accomplishing the same result in lesser testing time in as far as end to end. There will also be end to end testing but from samples of the common originations to fixed terminations to ensure routing integrity.

Pros: This addresses the PSAP resourcing issue and attempts to meet the CRTC timeline

Con: Adds risks for unforeseen circumstances

Assumes ILEC and WSP do not alter call route for PH 1

Conclusion

The PSAP community expressed its view that it would not be able to accommodate the end to end testing requirements as per Model 1. With regards to public safety and the directive to maintain PH I routing at all cost it is pertinent that validation be accomplished via some means with sound testing principles. Model 2 accomplishes this, however with some risks where there are the unforeseen issues which may not be obvious initially.

This plan is based on the requirement for up to 100 test calls per PSAP (Monday – Friday normal business hours) as detailed in Appendix B.

Bell Mobility reserves the right to alter the schedule to address unforeseen technical, resources or operational issues as methodology is still under review.

Appendix A:

Province by Province – Major Areas as follows:

1. Ontario – Toronto PSAP
2. Ontario – Peel Regional PSAP
3. British Columbia – eComm PSAP (Greater Vancouver Regional District)
4. Alberta – Calgary and Edmonton PSAPs
5. Quebec – Montreal – MUC PSAP
6. Nova Scotia – Provincial PSAPs
7. New Brunswick – Provincial PSAPs
8. Prince Edward Island – Provincial PSAPs
9. Manitoba – Winnipeg and Brandon PSAPs
10. Saskatchewan – Provincial PSAPs
11. Ontario – other PSAPs
12. British Columbia – other PSAPs
13. Alberta – other PSAPs
14. Quebec – other PSAPs

Appendix B:

Bell Mobility proposed compressed rollout schedule to meet the CRTC FEB 2010 mandate

Location	Duration	Start Date	End Date
Trials	20 days	9/14/09 8:00	10/09/09 17:00
Ontario Peel PSAP F660	10 days	9/14/09 8:00	9/25/09 17:00
BC Vancouver PSAP F 2	10 days	9/14/09 8:00	9/25/09 17:00
Ontario - GTA PSAP F1385	15 days	9/21/09 8:00	10/09/09 17:00
Roll Out Schedule	80 days?	9/28/09 8:00	1/15/10 17:00
Alberta - Calgary/Edmonton PSAP 4	10 days?	10/12/09 8:00	10/23/09 17:00
CALGARY PSCC (911, Fire, EMS & Police)	5 days	10/12/09 8:00	10/16/09 17:00
CITY OF CALGARY	5 days?	10/19/09 8:00	10/23/09 17:00
CITY OF EDMONTON	5 days?	10/12/09 8:00	10/16/09 17:00
CITY OF EDMONTON 911 and POLICE	5 days?	10/19/09 8:00	10/23/09 17:00
Quebec Montreal-MUC PSAP	10 days	10/12/09 8:00	10/23/09 17:00
Nova Scotia - Provincial PSAP 4	5 days	10/12/09 8:00	10/16/09 17:00
CBRMPSAP 55	1 day	10/12/09 8:00	10/12/09 17:00
HRMPSAP1 388	5 days	10/12/09 8:00	10/16/09 17:00
HRMPSAP2 4	1 day	10/12/09 8:00	10/12/09 17:00
HRMPSAP3 4	1 day	10/12/09 8:00	10/12/09 17:00
HRMPSAP4 4	1 day	10/12/09 8:00	10/12/09 17:00
KINGSPSAP 3	1 day	10/12/09 8:00	10/12/09 17:00
TRUROPSAP 314	5 days	10/12/09 8:00	10/16/09 17:00
New Brunswick - Provincial PSAP 6	5 days	10/19/09 8:00	10/23/09 17:00
BTST_PSAP 64	1 day	10/19/09 8:00	10/19/09 17:00
EDMN_PSAP 42	1 day	10/19/09 8:00	10/19/09 17:00
FCTN_PSAP 120	2 days	10/19/09 8:00	10/20/09 17:00
MCTN_PSAP 167	2 days	10/20/09 8:00	10/21/09 17:00
MMI_PSAP 40	1 day	10/21/09 8:00	10/21/09 17:00
STJH_PSAP 145	2 days	10/22/09 8:00	10/23/09 17:00
PEI Provincial PSAP 3	4 days	10/26/09 8:00	10/29/09 17:00
CHARLOTTETOWNPS 20	1 day	10/26/09 8:00	10/26/09 17:00
RCMPE912 1	1 day	10/26/09 8:00	10/26/09 17:00
RCMPE913 1	1 day	10/26/09 8:00	10/26/09 17:00
RCMPPSAP 76	2 days	10/28/09 8:00	10/29/09 17:00
SUMMERSIDEPSAP 1	1 day	10/26/09 8:00	10/26/09 17:00
Ontario Other PSAP 38	55 days?	11/02/09 8:00	1/15/10 17:00
CHATHAM POLICE 40	2 days	11/02/09 8:00	11/03/09 17:00
HALTON REGIONAL POLICE 310	5 days	11/03/09 8:00	11/09/09 17:00
HAMILTON REGIONAL POLICE 256	4 days	11/03/09 8:00	11/06/09 17:00
NIAGARA REGIONAL POLICE 238	4 days	11/10/09 8:00	11/13/09 17:00
ORANGEVILLE POLICE 20	2 days	11/09/09 8:00	11/10/09 17:00
OWEN SOUND POLICE 73	2 days	11/10/09 8:00	11/11/09 17:00
PORT HOPE COMMUNICATION CENTRE 8	2 days	11/10/09 8:00	11/11/09 17:00
SAULT ALGOMA AMB	2 days	11/10/09 8:00	11/11/09 17:00
SAULT STE MARIE POLICE 33	2 days	11/11/09 8:00	11/12/09 17:00
SEAWAY COMMUNICATIONS 76	2 days	11/11/09 8:00	11/12/09 17:00
STRATHROY POLICE 9	2 days	11/12/09 8:00	11/13/09 17:00

WEST NIPISSING BUREAU	9	2 days	11/12/09 8:00	11/13/09 17:00
WINDSOR POLICE		2 days	11/12/09 8:00	11/13/09 17:00
COBOURG COMMUNICATION CENTRE	12	2 days	11/16/09 8:00	11/17/09 17:00
DURHAM REGIONAL POLICE	338	5 days	11/16/09 8:00	11/20/09 17:00
GANANOQUE POLICE SERVICE	6	2 days	11/16/09 8:00	11/17/09 17:00
KINGSTONPOL	87	3 days	11/18/09 8:00	11/20/09 17:00
OTTAWA-CARLETON REGIONAL POLICE	3	2 days	11/18/09 8:00	11/19/09 17:00
PETERBOROUGH POLICE	31	2 days	11/18/09 8:00	11/19/09 17:00
SMITHS FALLS BUREAU		2 days	11/19/09 8:00	11/20/09 17:00
ESPANOLA POLICE	11	2 days	11/23/09 8:00	11/24/09 17:00
HEARSTBUR (Bell Nordiq)		2 days	11/23/09 8:00	11/24/09 17:00
KENORA POLICE		2 days	11/23/09 8:00	11/24/09 17:00
NORTH BAY OPP	510	7 days	11/23/09 8:00	12/01/09 17:00
NORTH BAY OPP (Bell Nordiq)	382	5 days	11/25/09 8:00	12/01/09 17:00
NORTH BAY POLICE	42	2 days	11/30/09 8:00	12/01/09 17:00
NORTHERN COMMUNICATIONS	420	5 days	11/30/09 8:00	12/04/09 17:00
NORTHERN COMMUNICATIONS (Bell Nordiq)		2 days	12/02/09 8:00	12/03/09 17:00
SUDBURY REGIONAL POLICE	84	2 days	12/02/09 8:00	12/03/09 17:00
TMNSPOLBUR (Bell Nordiq)		2 days	12/02/09 8:00	12/03/09 17:00
KAWARTHA LAKES POLICE	43	2 days	1/04/10 8:00	1/05/10 17:00
ORILLIA FIRE	24	2 days	1/04/10 8:00	1/05/10 17:00
LONDON POLICE	189	4 days	1/04/10 8:00	1/07/10 17:00
GUELPH POLICE	56	10 days	1/04/10 8:00	1/15/10 17:00
SARNIA POLICE	62	1 day?	1/04/10 8:00	1/04/10 17:00
YORK REGIONAL POLICE	628	10 days	1/04/10 8:00	1/15/10 17:00
WATERLOO REGIONAL POLICE	214	4 days	1/04/10 8:00	1/07/10 17:00
OXFORD COMMUNITY		1 day?	1/04/10 8:00	1/04/10 17:00
BC Other PSAP 9		8 days	9/28/09 8:00	10/07/09 17:00
ABBOTSFORD POLICE		5 days	9/28/09 8:00	10/02/09 17:00
CHILLIWACK RCMP		5 days	9/28/09 8:00	10/02/09 17:00
COURTENAY RCMP		5 days	9/28/09 8:00	10/02/09 17:00
KELOWNA SE RCMP		5 days	9/30/09 8:00	10/06/09 17:00
NANAIMO RCMP		5 days	9/30/09 8:00	10/06/09 17:00
PRINCE GEORGE RCMP		5 days	9/30/09 8:00	10/06/09 17:00
SAANICH POLICE		5 days	10/01/09 8:00	10/07/09 17:00
VICTORIA POLICE		5 days	10/01/09 8:00	10/07/09 17:00
VICTORIA RCMP		5 days	10/01/09 8:00	10/07/09 17:00
Alberta Other PSAP 29		6 days	10/26/09 8:00	11/02/09 17:00
AEROMEDICAL EMERGENCY SERVICES		3 days	10/26/09 8:00	10/28/09 17:00
BONNYVILLE FIRE 911 CENTRE		3 days	10/26/09 8:00	10/28/09 17:00
CITY OF LEDUC PROTECTIVE SERVICES		3 days	10/26/09 8:00	10/28/09 17:00
CITY OF LETHBRIDGE FIRE DEPARTMENT		3 days	10/26/09 8:00	10/28/09 17:00
CITY OF LLOYDMINSTER 911		3 days	10/26/09 8:00	10/28/09 17:00
CITY OF MEDICINE HAT 911 CENTRE		3 days	10/26/09 8:00	10/28/09 17:00
CITY OF RED DEER EMERGENCY SERVICES		3 days	10/26/09 8:00	10/28/09 17:00
City of Camrose Police 911 Centre		3 days	10/28/09 8:00	10/30/09 17:00
DISPATCH ANSWERING SERVICE		3 days	10/28/09 8:00	10/30/09 17:00
EAST CENTRAL 911 CENTRE		3 days	10/28/09 8:00	10/30/09 17:00
FOOTHILLS REGIONAL EMS		3 days	10/28/09 8:00	10/30/09 17:00
FT. MCMURRAY FIRE DEPARTMENT		3 days	10/28/09 8:00	10/30/09 17:00

GRAND PRAIRIE FIRE DEPARTMENT		3 days	10/28/09 8:00	10/30/09 17:00
JASPER PARK 911 CENTRE		3 days	10/28/09 8:00	10/30/09 17:00
KYETECH CANADA INC.		3 days	10/28/09 8:00	10/30/09 17:00
LACOMBE POLICE SERVICES		3 days	10/28/09 8:00	10/30/09 17:00
LLOYDMINSTER 911		3 days	10/28/09 8:00	10/30/09 17:00
MEDICINE HAT 911 CENTRE		3 days	10/29/09 8:00	11/02/09 17:00
PARKLAND COUNTY ECC		3 days	10/29/09 8:00	11/02/09 17:00
PEACE COMM 911 CALL ANSWER CENTRE		3 days	10/29/09 8:00	11/02/09 17:00
RCMP - St. Albert Detachment		3 days	10/29/09 8:00	11/02/09 17:00
SLAVE LAKE AMBULANCE 911 CENTRE		3 days	10/29/09 8:00	11/02/09 17:00
STRATHCONA EMERGENCY SERVICES		3 days	10/29/09 8:00	11/02/09 17:00
TABER 9-1-1 CENTRE		3 days	10/29/09 8:00	11/02/09 17:00
TELUS Communications		3 days	10/29/09 8:00	11/02/09 17:00
VALLEY COMMUNICATIONS 911 CENTRE		3 days	10/29/09 8:00	11/02/09 17:00
WHEATLAND 911 CENTRE		3 days	10/29/09 8:00	11/02/09 17:00
WOOD BUFFALO CAC		3 days	10/29/09 8:00	11/02/09 17:00
YELLOWHEAD COUNTY ECC		3 days	10/29/09 8:00	11/02/09 17:00
Quebec PSAP 46		30 days	10/26/09 8:00	12/04/09 17:00
ASSOMPTIOSCAU		5 days	10/26/09 8:00	10/30/09 17:00
BLAINVILLSCAU		5 days	10/26/09 8:00	10/30/09 17:00
CAUATSCAU		5 days	10/26/09 8:00	10/30/09 17:00
CAUCABE09SCAU	21	5 days	10/26/09 8:00	10/30/09 17:00
CAUCABE20SCAU	166	5 days	10/26/09 8:00	10/30/09 17:00
CAUCABE42SCAU	84	5 days	10/26/09 8:00	10/30/09 17:00
CAUREQ09SCAU	35	5 days	10/26/09 8:00	10/30/09 17:00
CHATEAUGUAYSCAU		5 days	11/02/09 8:00	11/06/09 17:00
CLR1SCAU	3	5 days	11/02/09 8:00	11/06/09 17:00
CLRSCAU	45	5 days	11/02/09 8:00	11/06/09 17:00
CUMSCAU	11	5 days	11/02/09 8:00	11/06/09 17:00
DESCOLLINSCAU	18	5 days	11/02/09 8:00	11/06/09 17:00
DEUXMONTASCAU		5 days	11/02/09 8:00	11/06/09 17:00
GATINEAUSCAU		5 days	11/02/09 8:00	11/06/09 17:00
GRANBYSCAU		5 days	11/02/09 8:00	11/06/09 17:00
LACSTJEANSCAU	15	5 days	11/09/09 8:00	11/13/09 17:00
LAPLANTESCAU	36	5 days	11/09/09 8:00	11/13/09 17:00
LAVALSCAU	57	5 days	11/09/09 8:00	11/13/09 17:00
LEVISSCAU		5 days	11/09/09 8:00	11/13/09 17:00
LEVISSCAU1	4	5 days	11/09/09 8:00	11/13/09 17:00
LONGUEUILSCAU	23	5 days	11/09/09 8:00	11/13/09 17:00
MANIWAKISCAU	18	5 days	11/09/09 8:00	11/13/09 17:00
MASCOUCHESCAU		5 days	11/09/09 8:00	11/13/09 17:00
MIRABELSCAU	3	5 days	11/16/09 8:00	11/20/09 17:00
MONTTREMBSCAU	41	5 days	11/16/09 8:00	11/20/09 17:00
PAPINEAUSCAU	24	5 days	11/16/09 8:00	11/20/09 17:00
QUEBECSCAU		5 days	11/16/09 8:00	11/20/09 17:00
RAWDONSCAU	12	5 days	11/16/09 8:00	11/20/09 17:00
REPENTIGNSCAU		5 days	11/16/09 8:00	11/20/09 17:00
RIPRSLSCAU	3	5 days	11/16/09 8:00	11/20/09 17:00
RIVIERENSCAU	9	5 days	11/16/09 8:00	11/20/09 17:00
ROUSSILLOSCAU		5 days	11/23/09 8:00	11/27/09 17:00

SAGUENAYSCAU	89	5 days	11/23/09 8:00	11/27/09 17:00
SHERBROOKESCAU	66	5 days	11/23/09 8:00	11/27/09 17:00
STEADELESCAU	6	5 days	11/23/09 8:00	11/27/09 17:00
STETHERESSCAU		5 days	11/23/09 8:00	11/27/09 17:00
STEUSTACHSCAU		5 days	11/23/09 8:00	11/27/09 17:00
STJEANSURSCAU		5 days	11/23/09 8:00	11/27/09 17:00
STJEROMESCAU		5 days	11/30/09 8:00	12/04/09 17:00
STLAURENTSCAU	24	5 days	11/30/09 8:00	12/04/09 17:00
TELEPAGESCAU	3	5 days	11/30/09 8:00	12/04/09 17:00
TERREBONNSCAU		5 days	11/30/09 8:00	12/04/09 17:00
THETFORDSCAU	9	5 days	11/30/09 8:00	12/04/09 17:00
TROISRIVESCAU	39	5 days	11/30/09 8:00	12/04/09 17:00
TROISRIVSCAU1		5 days	11/30/09 8:00	12/04/09 17:00
VICTOSCAU	21	5 days	11/30/09 8:00	12/04/09 17:00

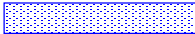

Appendix B – Rogers Wireless Rollout Schedule

ID	Task Name	Duration	Start	Finish	% Comp.	Aug 2, '09							Aug 9, '09							Aug 16, '09													
						M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F									
1																																	
2	Toronto PSAP testing	40 days	Mon 8/3/09	Fri 9/25/09	0%	[Gantt bar with blue hatched pattern]																											
3	Peel PSAP testing	15 days	Mon 9/28/09	Fri 10/16/09	0%	[Gantt bar with blue hatched pattern]																											
4	Rest of Ontario	65 days	Mon 10/19/09	Fri 1/29/10	0%	[Gantt bar with blue hatched pattern]																											
5																																	
6	Vancouver PSAP testing	30 days	Mon 8/3/09	Fri 9/11/09	0%	[Gantt bar with blue hatched pattern]																											
7	Calagary PSAP Testing	20 days	Mon 9/14/09	Fri 10/9/09	0%	[Gantt bar with blue hatched pattern]																											
8	Manitoba	10 days	Mon 10/12/09	Fri 10/23/09	0%	[Gantt bar with blue hatched pattern]																											
9	Saskatchewan	10 days	Mon 10/26/09	Fri 11/6/09	0%	[Gantt bar with blue hatched pattern]																											
10	Rest of BC	30 days	Mon 11/9/09	Fri 12/18/09	0%	[Gantt bar with blue hatched pattern]																											
11	Rest of Alberta	20 days	Mon 1/4/10	Fri 1/29/10	0%	[Gantt bar with blue hatched pattern]																											
12																																	
13	Montreal PSAP testing	30 days	Mon 8/3/09	Fri 9/11/09	0%	[Gantt bar with blue hatched pattern]																											
14	Nova Scotia	10 days	Mon 9/14/09	Fri 9/25/09	0%	[Gantt bar with blue hatched pattern]																											
15	PEI	10 days	Mon 9/28/09	Fri 10/9/09	0%	[Gantt bar with blue hatched pattern]																											
16	New Brunswick	10 days	Mon 10/12/09	Fri 10/23/09	0%	[Gantt bar with blue hatched pattern]																											
17	Rest of Quebec	60 days	Mon 10/26/09	Fri 1/29/10	0%	[Gantt bar with blue hatched pattern]																											

ASSUMPTIONS

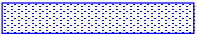









- PSAPs will process 100 test calls from RWI per day Monday to Friday during business hours
- ILECs will be ready to have production traffic on Ali database as of August 3rd, 2009.

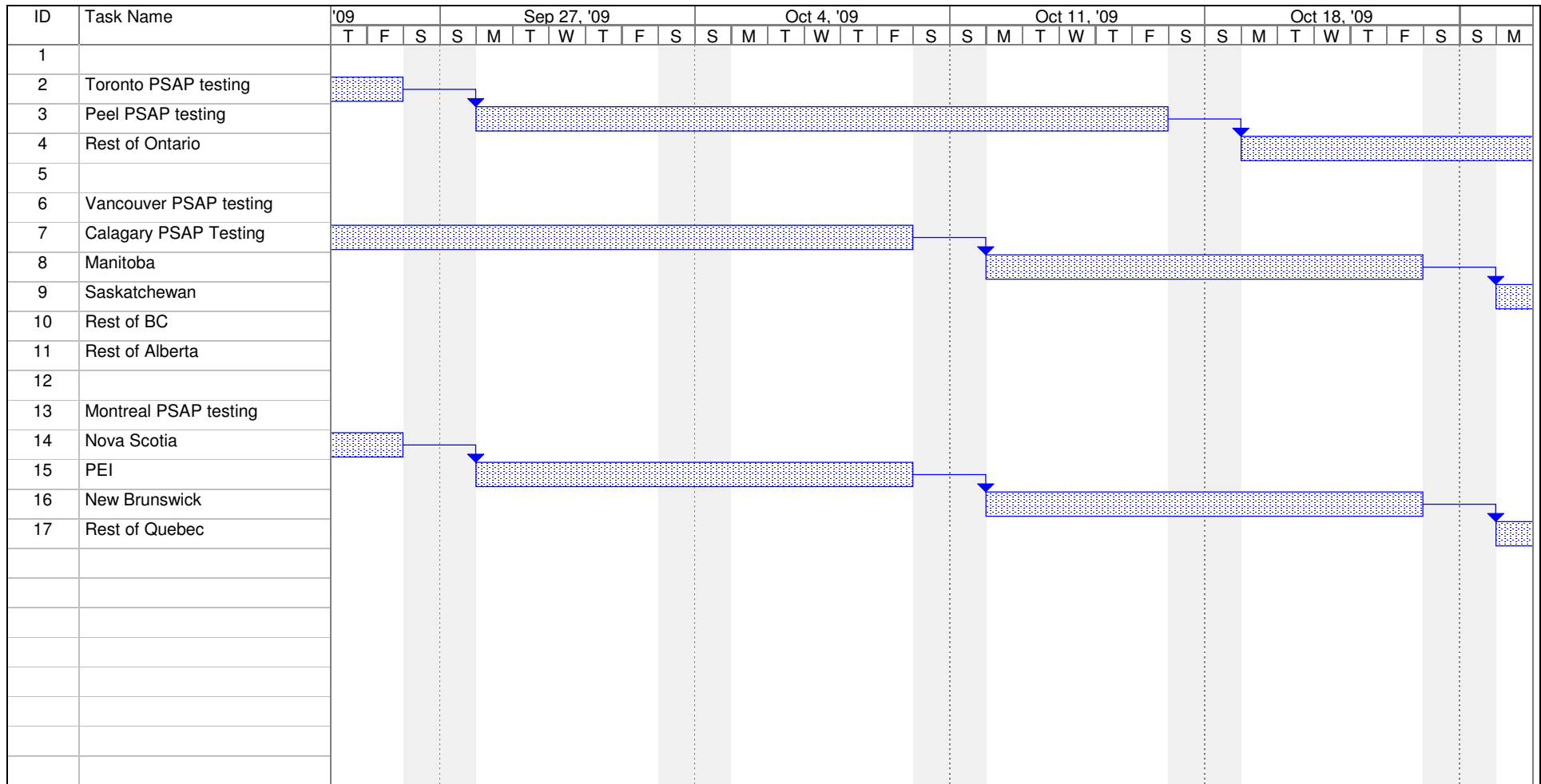
ROGERS WIRELESS E911 PHASE 2
Date: Thu 4/9/09

Task		Summary		External Milestone	
Split		Project Summary		Deadline	
Progress		External Tasks			
Milestone		External Milestone			

ID	Task Name	Aug 23, '09							Aug 30, '09							Sep 6, '09							Sep 13, '09							Sep 20,				
		S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W
1																																		
2	Toronto PSAP testing	[Task bar]																																
3	Peel PSAP testing	[Task bar]																																
4	Rest of Ontario	[Task bar]																																
5		[Task bar]																																
6	Vancouver PSAP testing	[Task bar]																																
7	Calagary PSAP Testing	[Task bar]																																
8	Manitoba	[Task bar]																																
9	Saskatchewan	[Task bar]																																
10	Rest of BC	[Task bar]																																
11	Rest of Alberta	[Task bar]																																
12		[Task bar]																																
13	Montreal PSAP testing	[Task bar]																																
14	Nova Scotia	[Task bar]																																
15	PEI	[Task bar]																																
16	New Brunswick	[Task bar]																																
17	Rest of Quebec	[Task bar]																																

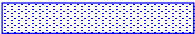









--

ROGERS WIRELESS E911 PHASE 2 Date: Thu 4/9/09	Task 	Summary 	External Milestone 
	Split 	Project Summary 	Deadline 
	Progress 	External Tasks 	
	Milestone 	External Milestone 	



ROGERS WIRELESS E911 PHASE 2 Date: Thu 4/9/09	Task		Summary		External Milestone	
	Split		Project Summary		Deadline	
	Progress		External Tasks			
	Milestone		External Milestone			

ID	Task Name	Oct 25, '09					Nov 1, '09					Nov 8, '09					Nov 15, '09					Nov 22, '09															
		T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
1																																					
2	Toronto PSAP testing																																				
3	Peel PSAP testing																																				
4	Rest of Ontario																																				
5																																					
6	Vancouver PSAP testing																																				
7	Calagary PSAP Testing																																				
8	Manitoba																																				
9	Saskatchewan																																				
10	Rest of BC																																				
11	Rest of Alberta																																				
12																																					
13	Montreal PSAP testing																																				
14	Nova Scotia																																				
15	PEI																																				
16	New Brunswick																																				
17	Rest of Quebec																																				

ROGERS WIRELESS E911 PHASE 2 Date: Thu 4/9/09	Task		Summary		External Milestone	
	Split		Project Summary		Deadline	
	Progress		External Tasks			
	Milestone		External Milestone			

ID	Task Name	Nov 29, '09							Dec 6, '09							Dec 13, '09							Dec 20, '09							Dec 27, '09				
		S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T
1																																		
2	Toronto PSAP testing																																	
3	Peel PSAP testing																																	
4	Rest of Ontario																																	
5																																		
6	Vancouver PSAP testing																																	
7	Calagary PSAP Testing																																	
8	Manitoba																																	
9	Saskatchewan																																	
10	Rest of BC																																	
11	Rest of Alberta																																	
12																																		
13	Montreal PSAP testing																																	
14	Nova Scotia																																	
15	PEI																																	
16	New Brunswick																																	
17	Rest of Quebec																																	

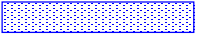









ROGERS WIRELESS E911 PHASE 2
Date: Thu 4/9/09

Task		Summary		External Milestone	
Split		Project Summary		Deadline	
Progress		External Tasks			
Milestone		External Milestone			

ID	Task Name			Jan 3, '10							Jan 10, '10							Jan 17, '10							Jan 24, '10							Ja		
		F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	F	S	S	M	T		
1																																		
2	Toronto PSAP testing																																	
3	Peel PSAP testing																																	
4	Rest of Ontario																																	
5																																		
6	Vancouver PSAP testing																																	
7	Calagary PSAP Testing																																	
8	Manitoba																																	
9	Saskatchewan																																	
10	Rest of BC																																	
11	Rest of Alberta																																	
12																																		
13	Montreal PSAP testing																																	
14	Nova Scotia																																	
15	PEI																																	
16	New Brunswick																																	
17	Rest of Quebec																																	



ROGERS WIRELESS E911 PHASE 2
Date: Thu 4/9/09

Task		Summary		External Milestone	
Split		Project Summary		Deadline	
Progress		External Tasks			
Milestone		External Milestone			

Appendix C – TELUS Mobility Rollout Schedule

Ted Woodhead
Vice-President
Telecom Policy & Regulatory Affairs

(613) 597-8368 Telephone
(866) 855-3982 Facsimile
ted.woodhead@telus.com

June 2, 2009

Mr. Robert A. Morin
Secretary General
Canadian Radio-television and
Telecommunications Commission
Ottawa, ON K1A 0N2

Dear Mr. Morin:

Re: Follow-up to *Implementation of wireless Phase II E9-1-1 service*, Telecom Regulatory Policy CRTC 2009-40 (“Policy 2009-40”), and CRTC Interconnection Steering Committee Emergency Services Working Group (“CISC ESWG”) Task Identification Form ESTF0057 (“TIF 57”) – Proposed Roll-out Schedule of TELUS Communications Company (“TELUS”)

Introduction

1. TELUS is in receipt of correspondence from the Commission dated May 19, 2009 in relation to TELUS’ proposed roll-out schedule for the implementation of wireless Phase II E9-1-1 services. In that correspondence, the Commission directed TELUS to file a revised roll-out schedule with the Commission and the CISC ESWG that is in compliance with the February 1, 2010 deadline as stated in Policy 2009-40.
2. In accordance with the Commission’s directions, TELUS files the attached roll-out schedule. The roll-out schedule proposes an implementation plan whereby TELUS will achieve the Commission’s mandated implementation date of February 1, 2010. TELUS can commit to this implementation schedule only by dramatically increasing its level of testing resources and by having multiple

testing teams conduct testing in different public safety answering points (“PSAPs”) areas simultaneously.

3. TELUS’ implementation schedule is heavily dependent on PSAPs and wireless service providers (“WSPs”) being able to co-ordinate testing times, does not incorporate any slack times and has little, if any, room for adjustment. As a result, TELUS’ schedule might be jeopardized should circumstances arise that prevent or delay testing in any individual geographic locations. These circumstances, including the readiness of other parties, problems with co-ordination with other WSPs and logistical problems arising from weather, travel and other variables, might be beyond the control of TELUS.
4. In this roll-out schedule, TELUS plans on completing full sector-by-sector testing in each PSAP area prior to activating wireless Phase II E9-1-1 services for each PSAP. For the Toronto, Vancouver, Calgary and Edmonton PSAPs, TELUS must conduct in excess of 100 test calls for each testing day. TELUS is hopeful that these PSAPs can agree to this level of testing because it is the only means for TELUS to meet the February 1, 2010 deadline. If any of these PSAPs cannot agree to this testing volume, or indeed, if any of the PSAPs cannot meet TELUS’ testing schedule, then TELUS’ ability to meet the February 1, 2010 deadline will be adversely affected.
5. TELUS again emphasizes its desire to complete full sector-by-sector testing. Because of the possibility of dire consequences arising from failed E9-1-1 calls, sector-by-sector testing was the standard approach taken for the implementation of wireless Phase I E9-1-1 services in Canada and by WSPs in the United States when wireless Phase II E9-1-1 services were implemented in that country. TELUS submits that sector-by-sector testing is the best course for implementing this public safety service, and, therefore, asks for the Commission to inquire as to whether other WSPs are committed to this same level of testing.
6. Finally, TELUS’ implementation plan is based on many critical assumptions. These include, for example, operational assumptions such as the availability for PSAP testing from Monday to Friday from 9:00AM to 5:00PM and a testing brown-out for a period in December 2009. In addition to these operational

assumptions, TELUS must assume that the ILECs will have their system requirements implemented in accordance with Policy 2009-40 and that the PSAPs will be ready to serve the required volume of test calls when the relevant WSPs wish to test their services in the PSAPs' respective serving areas.

7. Given that all of the WSPs have tabled their respective implementation roll-out proposals, TELUS asks that the CISC ESWG now conduct a process where each ILEC and each PSAP review each of the WSPs' schedules and verify, in writing, their readiness for the proposed testing dates. TELUS has a detailed project plan where it has its assumptions for when it plans to test each individual PSAP. TELUS would be pleased to share its specific testing dates with each PSAP as part of this requested process.

Yours truly,

{Original signed by Ted Woodhead}

Ted Woodhead
Vice-President
Telecom Policy & Regulatory Affairs

EE/sa

Attachment

cc: John Traversy, CRTC
James Ndirangu, CRTC
CISC ESWG TIF 57 distribution list
Eric Edora, TELUS, 613-597-8313

* * * End of document * * *

TELUS' Proposed Wireless Phase II E9-1-1 Roll-out Schedule

The table below indicates TELUS' number of test cases, approximate required person hours, average number of test calls per day and proposed start and end dates for each PSAP.

	PSAP	# Test Cases	# Person Hours	# calls / day	Start Date	End Date
1	Ontario–Toronto PSAP	8379	1745.6	153	October 5, 2009	January 21, 2010
2	Ontario – Peel Regional PSAP	1575	328.1	75	October 12, 2009	November 9, 2009
3	British Columbia – eComm PSAP (Greater Vancouver Regional District)	5985	1246	116	October 5, 2009	January 18, 2010
4	Alberta – Calgary and Edmonton PSAPs	5460	1137.5	114	October 19, 2009	January 26, 2010
5	Quebec – Montreal–MUC PSAP	2709	564.4	76	October 12, 2009	November 30, 2009
6	Nova Scotia – Provincial PSAPs	903	188.1	76	November 25, 2009	December 10, 2009
7	New Brunswick – Provincial PSAPs	N/A	N/A	N/A	N/A	N/A
8	Prince Edward Island – Provincial PSAP	N/A	N/A	N/A	N/A	N/A
9	Manitoba – Winnipeg and Brandon PSAPs	882	183.75	74	November 9, 2009	November 24, 2009
10	Saskatchewan – Provincial PSAPs	N/A	N/A	N/A	N/A	N/A
11	Ontario – other PSAPs	8631	2260.5	21-61	October 12, 2009	January 27, 2010
12	British Columbia – other PSAPs	6300	1650	53-62	October 5, 2009	January 28, 2010
13	Alberta – other PSAPs	10269	2689.5	21-60	October 19, 2009	January 29, 2010
14	Quebec – other PSAPs	7959	2084.5	21-61	October 12, 2009	January 21, 2010

Operational Assumptions

- Many of the PSAP sites must be tested in parallel based on the availability of resources with the ILECs and PSAPs, including the resources to support the number of test calls required for sector-by-sector testing
- December 2009 timeline will be supported by the ILECs and PSAPs, but it is expected that there will be some system brown-out period during December 2009.
- Testing will occur from Monday to Friday during regular business hours of 9:00 a.m. – 5:00 p.m. local time.

~~~ End of Document ~~~

## **Appendix D – MTS Wireless Rollout Schedule**

| ID | Task Name             | Duration       | Start             | Finish             | Jan 3, '10 |   |   |   |   |   |   | Jan 10, '10 |   |   |   |   |   |   | Jan 17, '10 |   |   |   |   |   |   | Jan 24, '10 |   |   |   |   |   |   |
|----|-----------------------|----------------|-------------------|--------------------|------------|---|---|---|---|---|---|-------------|---|---|---|---|---|---|-------------|---|---|---|---|---|---|-------------|---|---|---|---|---|---|
|    |                       |                |                   |                    | F          | S | S | M | T | W | T | F           | S | S | M | T | W | T | F           | S | S | M | T | W | T | F           | S | S | M | T | W | T |
| 1  | <b>MTS</b>            | <b>20 days</b> | <b>Mon 1/4/10</b> | <b>Fri 1/29/10</b> |            |   |   |   |   |   |   |             |   |   |   |   |   |   |             |   |   |   |   |   |   |             |   |   |   |   |   |   |
| 2  | <b>Manitoba PSAPs</b> | <b>20 days</b> | <b>Mon 1/4/10</b> | <b>Fri 1/29/10</b> |            |   |   |   |   |   |   |             |   |   |   |   |   |   |             |   |   |   |   |   |   |             |   |   |   |   |   |   |
| 3  | Winnipeg              | 5 days         | Mon 1/4/10        | Fri 1/8/10         |            |   |   |   |   |   |   |             |   |   |   |   |   |   |             |   |   |   |   |   |   |             |   |   |   |   |   |   |
| 4  | Brandon               | 15 days        | Mon 1/11/10       | Fri 1/29/10        |            |   |   |   |   |   |   |             |   |   |   |   |   |   |             |   |   |   |   |   |   |             |   |   |   |   |   |   |

|                                                         |          |  |                 |  |                    |  |
|---------------------------------------------------------|----------|--|-----------------|--|--------------------|--|
| Project: MTSA PSAP Testing Schedul<br>Date: Thu 4/16/09 | Task     |  | Milestone       |  | External Tasks     |  |
|                                                         | Split    |  | Summary         |  | External Milestone |  |
|                                                         | Progress |  | Project Summary |  | Deadline           |  |

## **Appendix E – SaskTel Mobility Rollout Schedule**



**SaskTel proposed compressed schedule to meet the CRTC FEB 2010 mandate**

| <b>Location</b>                                            | <b>Duration</b> | <b>Start Date</b>     | <b>End Date</b>        |
|------------------------------------------------------------|-----------------|-----------------------|------------------------|
| Service Provider<br>Integration Trials (Bell<br>+ Unknown) | 14 days         | 12/01/2009 8:00:00 AM | 12/18/2009 17:00:00 PM |
| Roll Out to PSAP<br>Schedule                               |                 |                       |                        |
| Regina                                                     | 20 days         | 01/04/2010 8:00:00 AM | 01/29/2010 17:00:00 AM |
| Saskatoon                                                  | 20 days         | 01/04/2010 8:00:00 AM | 01/29/2010 17:00:00 AM |
| Prince Albert                                              | 20 days         | 01/04/2010 8:00:00 AM | 01/29/2010 17:00:00 AM |

=====

Roy J. Jewell  
Senior Engineer - Intelligent Network Services Development  
SaskTel  
2121 Saskatchewan Drive  
Regina, SK S4P 3Y2  
Phone: (306) 777-3087