NPA 306 RELIEF PLANNING COMMITTEE - TIF REPORT

Date Submitted: 13 July 2011

WORKING GROUP: NPA 306 Relief Planning Committee (Ad Hoc)

REPORT #: NPA 306 TIF Report 2 File ID: 306RE02A.doc

REPORT TITLE: Relief Planning Committee (RPC) Recommendation for

NPA 306 Relief (Planning Document and Relief

Implementation Plan)

OUTCOME: Consensus

RELATED TASK(s) #: None

BACKGROUND:

In December 2010 the Canadian Numbering Administrator (CNA) initiated its January 2011 General Numbering Resource Utilization Forecast (G-NRUF). The draft aggregate results of this G-NRUF, compiled on 29 March 2011, indicated that the Projected Exhaust Date (PED) for NPA 306 had moved in from April 2018 to August 2013. Because the PED was less than thirty-six (36) months in the future, it was necessary to start relief planning immediately.

On 29 March 2011, the CNA declared that NPA 306 was in a Jeopardy Condition. To gather detailed forecast data for relief planning purposes, the CNA conducted an initial Jeopardy Numbering Resource Utilization Forecast (J-NRUF) on 29 March 2011. The results of that J-NRUF, released on 10 May 2011, indicated NPA 306 would exhaust in July 2013.

On 19 April 2011, the CRTC issued Telecom Notice of Consultation CRTC 2011-260, in which it established a CISC ad hoc Relief Planning Committee (RPC) to examine options for providing relief to area code 306 in Saskatchewan. The Commission identified that the CNA had declared a Jeopardy Condition for area code 306 and that area code 306 was projected to exhaust within twenty-five (25) months.

On 14 June 2011, in accordance with paragraphs 9 and 10 of the Notice of Consultation, a Jeopardy Contingency Plan which included CO Code Conservation Measures was submitted to the Commission. If the Commission accepts the CO Code Conservation Measures outlined in the Jeopardy Contingency Plan, then the Projected Exhaust Date for NPA 306 would be August 2013.

In this TIF Report, the NPA 306 Relief Planning Committee is submitting a Planning Document which includes, but is not limited to, the following recommendations:

- 1) The Relief Method should be a distributed overlay of a new NPA Code on Saskatchewan NPA 306;
- NPA Code 639 should be the Relief NPA Code;

- 3) The Relief Date should be 25 May 2013 in order to provide Carriers and customers with advanced notification and sufficient lead-time to implement relief;
- 4) The local dialling plan should be changed to 10 digits for all local calls within NPA 306 and from NPA 306 to adjacent NPA 204/431 (Creighton SK to Flin Flon MB), NPA 701 (North Portal SK to Portal ND) and NPA 780/587 (Lloydminster and Marshall SK to Lloydminster AB);
- 5) A 7- to 10-digit dialling transition period should be implemented commencing on 25 February 2013, with network announcements on calls dialled using 7 digits phased in over one week between 25 February 2013 and 4 March 2013.
- 6) Mandatory 10-digit local dialling should be implemented commencing on 11 May 2013, with network announcements on calls dialled using 7 digits phased in over one week between 11 May 2013 and 18 May 2013; and
- 7) Standard network announcements should be implemented commencing on 26 August 2013 and completed within one month by 26 September 2013.

In addition, the NPA 306 Relief Planning Committee is also submitting a Relief Implementation Plan.

The attached Relief Implementation Plan (RIP) was prepared in accordance with the above recommendations. The RIP establishes a public framework and timeframe for implementing relief for area code 306. The RIP also addresses the activities, deliverables, and issues impacting more than one individual TSP. It does not cover activities internal to each TSP. In addition, this RIP does not cover areas for which there is already an established process for coordination between TSPs to establish service (e.g., interconnection agreements between carriers).

RECOMMENDATIONS:

The NPA 306 RPC hereby submits the attached NPA 306 Planning Document, associated Annexes and the Relief Implementation Plan for CISC and Commission approval.

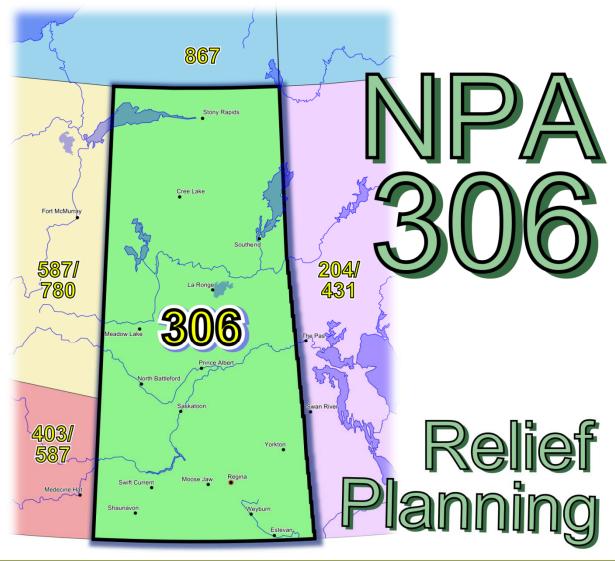
The Relief Planning Committee's recommendations are described in more detail in the appropriate sections of the NPA 306 Planning Document and Relief Implementation Plan.

The NPA 306 Relief Planning Committee recommends that the Commission approve the attached Planning Document and Relief Implementation Plan for NPA 306.

ATTACHMENTS:

NPA 306 Planning Document, dated 13 July 2011 NPA 306 Relief Implementation Plan, dated 13 July 2011





Planning Document (PD) Version 1.0 – 13 July 2011

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Acronym List

Consumer Awareness Task Force
Canadian Numbering Administrator
CRTC Interconnection Steering Committee
Competitive Local Exchange Carriers
Central Office
Canadian Radio-television and Telecommunications Commission
General Numbering Resource Utilization Forecast
Incumbent Local Exchange Carriers
Initial Planning Document
Jeopardy Contingency Plan
Jeopardy Numbering Resource Utilization Forecast
Local Interconnection Regions
North American Numbering Plan
Network Implementation Task Force
Numbering Plan Area
Area Codes
Number Resource Utilization Forecasts
Planning Document
Projected Exhaust Date
Point of Interconnection
Relief Implementation Plan
Relief Planning Numbering Resource Utilization Forecast
Relief Planning Committee
Telecommunications Service Providers
Wireless Number Portability
Wireless Service Providers

Planning Document (PD) Number Plan Area (NPA) 306 Relief

1. INTRODUCTION

The 306 area code consists of 228 Exchange Areas serving the province of Saskatchewan which includes the major communities of Assiniboia, Esterhazy, Estevan, Humboldt, Kindersley, Maple Creek, Melfort, Melville, Moose Jaw, Moosomin, Nipawin, North Battleford, Outlook, Prince Albert, Regina, Rosetown, Saskatoon, Swift Current, Weyburn and Yorkton. A list of the Exchange Areas of NPA 306 is provided in Annex B.

Most of the growth for existing service providers in area code 306 is concentrated in less than eight (8) Exchange Areas, with the majority of this growth being in the Exchange Areas of Lloydminster, Moose Jaw, North Battleford, Prince Albert, Regina, Saskatoon, and Weyburn. However the growth due to new service providers introducing initial service in new areas is spread over a larger number of Exchange Areas throughout area code 306, with proportionally greater growth occurring outside the major communities. The total combined growth is therefore not concentrated in or limited to the Exchange Areas serving the major communities. See Annex B Table 1 for a list of Exchange Areas in NPA 306.

The introduction of Local Interconnection Regions (LIRs), the implementation of Wireless Number Portability (WNP), and initial Central Office (CO) Codes for new Competitive Local Exchange Carriers (CLECs) and Wireless Service Providers (WSPs) have accelerated demand for CO Codes throughout area code 306.

In December 2010 the Canadian Numbering Administrator (CNA) initiated its January 2011 General Numbering Resource Utilization Forecast (G-NRUF). The draft aggregate results of this G-NRUF, compiled on 29 March 2011, indicated that the Projected Exhaust Date (PED) for NPA 306 had moved in from April 2018 to August 2013. Because the PED was less than thirty-six (36) months in the future, it was necessary to start relief planning immediately. The CNA notified the CRTC staff of the Jeopardy situation in NPA 306, and asked the Canadian Radio-television and Telecommunications Commission (CRTC) to issue a Telecom Notice of Consultation for the establishment of a CISC ad hoc committee for area code relief planning in area code 306 for the province of Saskatchewan. On 29 March 2011, the CNA declared that NPA 306 was in a Jeopardy Condition. In order to gather detailed forecast data for relief planning purposes, the CNA conducted an initial Jeopardy Numbering Resource Utilization Forecast (J-NRUF) on 29 March 2011. The results of that J-NRUF, released on 10 May 2011, indicated NPA 306 would exhaust in July 2013.

On 19 April 2011, the CRTC issued Telecom Notice of Consultation CRTC 2011-260, in which it established a CISC ad hoc Relief Planning Committee (RPC) to examine options for providing relief to area code 306 in Saskatchewan. The Commission identified that the CNA had declared a Jeopardy Condition for area code 306 and that area code 306 was projected to exhaust within twenty-five (25) months.

The Notice of Consultation also stated:

The Commission considers that due to the jeopardy condition in area code 306, code conservation measures to extend the life of that area code must be implemented immediately. In particular, the jeopardy condition measures outlined

in the Guidelines must be followed until i) the 306 RPC develops a jeopardy condition plan specific to area code 306 and ii) this plan is approved by the Commission.

The Commission notes that, in the event of any special circumstances in area code 306, the earliest relief implementation date determined by the 306 RPC may be after the projected exhaust date. If this occurs, the Commission directs the 306 RPC to make recommendations on the specific code conservation measures that should be taken to move the projected exhaust date so that it coincides with, or falls after, the scheduled relief implementation date. In addition, the Commission directs the 306 RPC to set aside three CO codes from area code 306 to be made available for new entrants only, and to ensure that those CO codes remain unassigned, other than to new entrants, for a period of two years after the introduction of the new area code in Saskatchewan.

This PD is prepared by the RPC in accordance with the CRTC approved Canadian NPA Relief Planning Guideline (the Guideline) dated 2 June 2009. A copy of the Guideline is available from the CRTC CISC guidelines web page at: http://www.crtc.gc.ca/cisc/eng/cisf3fg.htm or via a link from the CNA website at http://www.cnac.ca/.

The objective of the NPA Relief Planning process is to ensure that CO Codes and telephone numbers are always available for use by Telecommunications Service Providers (TSPs) and their customers in the geographic area requiring relief.

Various options for providing NPA relief in the NPA 306 geographic area are identified in this PD as part of the process for ensuring that an adequate quantity of CO Codes and telephone numbers is available for assignment in the geographic area covered by area code 306. Given the magnitude of this undertaking, inter-company commitment and co-operation are essential throughout the planning, provisioning and implementation stages of the introduction of a new NPA.

It is very important to closely monitor the CO Code requirements of all existing and prospective CO Code Holders so that relief can be timed to ensure that CO Codes and telephone numbers are always available for service providers and customers.

2. NPA RELIEF PLANNING PROCESS

The NPA Relief Planning process, and the roles of the participants (e.g., CRTC, CNA, CISC, RPC participants, Interested Parties) for NPA Relief Planning are identified in the CRTC-approved Canadian NPA Relief Planning Guideline (the Guideline), dated 2 June 2009.

A copy of the Guideline is available from the CRTC CISC CSCN guidelines web page at http://www.crtc.gc.ca/cisc/eng/cisf3fg.htm or via a link from the CNA website at http://www.cnac.ca.

To increase public awareness and participation in the NPA Relief Planning process, the CRTC has determined that NPA RPCs will be established as ad hoc committees of the CISC. Generally, a separate ad hoc committee is created to deal with relief in each area code. The CNA, in its function as NPA Relief Planning Coordinator, acts as chair of these ad hoc committees. Meetings and conference calls of the ad hoc NPA RPCs are all open to public participation and are conducted in accordance with the CISC Administrative Guidelines.

A copy of the CISC Administrative Guidelines can be obtained from the CRTC website at http://www.crtc.gc.ca/public/cisc/c-docs/CISC2001-03-31.doc.

NPA Relief Planning is conducted under the regulatory oversight of the CRTC. Notwithstanding the process detailed in the Guideline, the CRTC may exercise its authority under the <u>Telecommunications Act</u> to alter this process at any time. The CRTC has the authority under the <u>Telecommunications Act</u> to review, modify and give final approval to the Planning Document (PD) and the Relief Implementation Plan (RIP) developed and submitted by the RPC to the CRTC via the CISC process.

Section 6.1.6 of the Canadian NPA Relief Planning Guideline requires the CNA to create and maintain a distribution list of parties who may be interested in participating in the RPC and to provide them with advance notice of the initial RPC meeting and the PD.

Any person wishing to participate in the NPA Relief Planning process can contact the CNA and request to be added to the RPC distribution lists. In addition, individuals can also register with the CRTC as interested parties to any proceedings that result from the NPA Relief Planning process. More information on how to participate in CRTC public processes is available at: http://www.crtc.gc.ca/eng/info_sht/g4.htm.

A summary of Canadian geographic area code relief history is available at: www.cnac.ca/npa codes/NPA History.pdf.

3. NPA RELIEF METHODS

The three basic NPA Relief Methods (i.e., geographic split, overlay and boundary realignment) are described in detail in section 5.0 of the Canadian NPA Relief Planning Guideline. The purpose of this section is to identify and briefly describe those methods. For additional details refer to the Guideline at: http://www.crtc.gc.ca/cisc/eng/cisf3fg.htm.

The term Numbering Plan Area (NPA) refers to a discrete geographic area, within the area served by the North American Numbering Plan (NANP), to which one or more NPA Codes (also known as area codes) may be assigned (e.g., the city of Toronto is a Numbering Plan Area (NPA) to which NPA Codes 416/647 are assigned).

Split:

Under the geographic split method, the geographic area served by an existing NPA is generally divided or "split" into two or more unique geographic areas (i.e., two or more new NPAs. One of the areas retains the existing NPA Code, and the other area(s) changes to a new NPA Code(s).

Overlay:

Under the overlay method, a relief NPA Code is generally superimposed or "overlaid" on top of part or all of an existing NPA. With overlays, changes to existing customers' telephone numbers are not required. Four types of overlays are described in the Guideline as follows. Under the distributed overlay method, a new relief NPA Code is "overlaid" on top of <u>all</u> of an exhausting NPA. Under a concentrated overlay method, a new relief NPA Code is "overlaid" on top of <u>part</u> of an exhausting NPA (e.g., over a fast growing metropolitan area within an existing NPA). Under a boundary extension overlay method, the boundary of an existing NPA that has spare capacity is extended to overlay part or all of an exhausting NPA. Under a technology-specific overlay, a new NPA Code would be assigned to overlay an exhausting NPA and the numbering resources in the new NPA Code would be used only for a specific type of technology (e.g., wireline telephones, wireless telephones, facsimile).

Boundary Realignment:

Under the boundary realignment method, the boundary between the NPA that requires relief and an adjacent NPA are modified such that some of the customers in the exhausting NPA have their telephone numbers changed by being given telephone numbers in a different NPA Code in the adjacent NPA.

Once the necessity for NPA Code relief is established, all NPA Code Relief Methods are considered.

4. NPA EXHAUST INFORMATION

As indicated in the following table, NRUFs for NPA 306 were used to determine Projected Exhaust Dates (PEDs), i.e. the dates when CO Codes in NPA 306 would be expected to exhaust.

NRUF	Projected Exhaust Date
G-NRUF January 2010	April 2018
G-NRUF January 2011	August 2013
J-NRUF April 2011	July 2013
J-NRUF April 2011 (adjusted per CRTC TNC	July 2013
2011-260 directive to set aside three (3) for initial code	
assignments for New Entrants)	
J-NRUF April 2011 adjusted by Code Conservation	August 2013
Measures proposed by the RPC	

When the initial J-NRUF results were adjusted per the Telecom Notice of Consultation CRTC 2011-260 directive to set aside three (3) CO Codes for initial code assignments for New Entrants the PED remained at July 2013.

CO Code assignments per Carrier will not exceed the quantities that each Carrier has submitted to the CNA for the April 2011 J-NRUF for NPA 306.

In the NPA 306 CO Code Inventory Chart thirteen (13) CO Codes have been identified as being assignable in a Jeopardy Condition.

Eight (8) CO Codes from the pool of CO Codes assignable in a Jeopardy Condition will be set aside for New Entrants.

The remaining five (5) CO Codes from the pool of CO Codes assignable in a Jeopardy Condition will allow the extension of the Projected Exhaust Date by one (1) month to August 2013.

Refer to Annex A, Figures 2, 3, 4, 5, and 6 for graphs of forecasted CO Codes and charts of Miscellaneous and LEC + WSP CO Codes in area code 306.

5. RELIEF OPTIONS

Relief Options are alternative approaches for providing relief to an exhausting NPA. Each Relief Option generally utilizes one (1) or more of the three (3) basic Relief Methods, specifically split, overlay or boundary realignment as described in the Canadian NPA Relief Planning Guideline (see Section 3 for a brief description of each method).

Based on the basic Relief Methods, the following Relief Options were identified and examined in detail:

- Geographic Split Four (4) options (Options 1, 2, 3, 4)
- Distributed Overlay One (1) option (Option 5)

Relief Options using a concentrated overlay were not examined in detail by the RPC since there is insufficient time to provide relief using such a Relief Option.

Relief Options using a boundary extension overlay and boundary realignment were not examined by the RPC because such options would create area codes that cross provincial boundaries, which is not allowed by the Canadian NPA Relief Planning Guideline and would create geographic confusion for customers and technical difficulties for TSPs.

See Annex A, Figures 8 through 12 for diagrams of the Relief Options identified by the RPC.

The Relief Options identified above were evaluated using the following assumption:

 The Relief Date for the geographic split and distributed overlay options will be 1st Q 2013 (four (4) months prior to the NPA 306 PED of July 2013 identified using the April 2011 J-NRUF results).

5.1. Geographic Split

Four (4) different Relief Options were evaluated to introduce a new area code in the NPA 306 area using the geographic split method of providing CO Code relief. With each of these options, number changes are required in the area that does not retain NPA 306. Selecting a split option for NPA Relief will impact from 42% to 58% of the customers with a number change.

A major attribute of a split is usually that the 7-digit local dialling plan does not have to be changed in either portion of the split area code.

It is assumed that after the split, local calls in NPA 306 and the new NPA will be dialled using 7-digits. Code Protection would not be required between NPA 306 and the new NPA because there is no Local Free Calling between the Exchange Areas of split regions.

All of the split options are based on LIRs. An LIR is a geographic area specified by Incumbent Local Exchange Carriers (ILECs) within which traffic is exchanged with CLECs on a Bill and Keep basis as specified in Telecom Decisions CRTC 2004-46 and 2006-35 *Trunking arrangements for the interchange of traffic and the point of interconnection between local*

exchange carriers. LIRs are unique groupings of ILEC Exchange Areas which provide for more efficient interconnection between Local Exchange Carriers (LECs).

5.1.1. Split Option 1 & Option 2

Split Options 1 and 2 – North Battleford, Prince Albert and Saskatoon LIRs in one NPA, and Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs in other NPA

Relief Option 1 – the North Battleford, Prince Albert and Saskatoon LIRs retain NPA 306, and Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs change to the new NPA:

 112 Exchange Areas in the North Battleford, Prince Albert and Saskatoon LIRs retain NPA 306, and 116 Exchange Areas in the Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs change to the new NPA

Relief Option 2 – the North Battleford, Prince Albert and Saskatoon LIRs change to the new NPA and the Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs retain NPA 306:

 112 Exchange Areas in the North Battleford, Prince Albert and Saskatoon LIRs change to the new NPA, and 116 Exchange Areas in the Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs retain NPA 306

With these options (Relief Options 1 and 2), CO Codes assigned in existing NPA 306 would split as follows, with number changes required in one of the two areas:

Area	Codes in	ned CO NPA 306 011-04)	Projected Exhaust Date (as of 2011-04)
	#	% of total	
112 Exchange Areas in North Battleford, Prince Albert and Saskatoon LIRs	364	48%	2048
116 Exchange Areas in Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs	399	52%	2053

If 7-digit local dialling is maintained between NPA 306 and the new NPA, Code Protection would not be required as there is no existing local calling between these regions.

5.1.2. Split Option 3 and Option 4

Split Option 3 and 4 – North Battleford, Prince Albert , Saskatoon and Yorkton LIRs in one NPA, and Moose Jaw, Regina, Swift Current and Weyburn LIRs in other NPA

Relief Option 3 – the North Battleford, Prince Albert, Saskatoon and Yorkton LIRs retain NPA 306, and the Moose Jaw, Regina, Swift Current and Weyburn LIRs change to the new NPA:

 136 Exchange Areas in the North Battleford, Prince Albert, Saskatoon and Yorkton LIRs retain NPA 306, and 92 Exchange Areas in the Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs change to the new NPA

Relief Option 4 – the North Battleford, Prince Albert, Saskatoon and Yorkton LIRs change to new NPA and the Moose Jaw, Regina, Swift Current and Weyburn LIRs retain NPA 306:

 136 Exchange Areas in the North Battleford, Prince Albert, Saskatoon and Yorkton LIRs change to the new NPA and 92 Exchange Areas in the Moose Jaw, Regina, Swift Current and, Weyburn LIRs retain NPA 306

With these options (Relief Options 3 and 4), CO Codes assigned in existing NPA 306 would split as follows, with number changes required in one of the two areas:

Area	Codes in	ned CO NPA 306 011-04)	Projected Exhaust Date (as of 2011-04)
	#	% of total	
136 Exchange Areas in North Battleford, Prince Albert, Saskatoon and Yorkton LIRs	443	58%	2039
92 Exchange Areas in Moose Jaw, Regina, Swift Current and Weyburn LIRs	320	42%	2064

If 7-digit local dialling is maintained between NPA 306 and the new NPA, Code Protection would not be required as there are no existing local calling arrangements between these regions.

5.2. Distributed Overlay

One (1) distributed overlay Relief Option was evaluated to provide CO Code relief in the NPA 306 geographical area.

5.2.1. Distributed Overlay of New NPA Code on NPA 306 (Option 5):

This Relief Option would overlay the new NPA Code over the 228 Exchange Areas comprising the NPA 306 area.

With this overlay, NPA 306 and the new NPA Codes would be expected to exhaust in 3Q 2050.

This option retains the single NPA Relief Planning area in Saskatchewan. Currently, one new NPA Code would be required within the next 20-year period.

The following table summarizes the Relief Options, Projected Exhaust Dates, Relief Timing and Type, and Impacts:

	Relief Option	Dates		Relief - Timing &	ef - Timing & Type		Dial # of
#	Description	NPA 306	New NPA	Relief Date	Туре	(Qty/%of total)	Local D digits
1	Split – North Battleford, Prince Albert and Saskatoon LIRs retain NPA 306, and Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs change to new NPA	2013 2048	2053	2013 (306) 2047 (306) 2052 (New NPA)	S ? ?	399 / 52% ? ?	7 ? ?
2	Split – North Battleford, Prince Albert and Saskatoon LIRs change to new NPA, Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs retain NPA 306	2013	2048	2013 (306) 2047 (New NPA) 2050 (306)	S ? ?	364 / 48% ? ?	7 ? ?
3	Split – North Battleford, Prince Albert, Saskatoon and Yorkton LIRs retain NPA 306, and Moose Jaw, Regina, Swift Current and Weyburn LIRs change to new NPA	2013 2039	2064	2013 (306) 2038 (306) 2063 (new NPA)	S ? ?	320 / 42% ? ?	7 ? ?
4	Split – North Battleford, Prince Albert, Saskatoon and Yorkton LIRs change to new NPA, Moose Jaw, Regina, Swift Current and Weyburn LIRs retain NPA 306	2013	2039	2013 (306) 2038 (new NPA) 2063 (306)	S ? ?	443 / 58% ? ?	7 ? ?
5	Distributed Overlay of New NPA on NPA 306	2013	2050	2013 (306) 2049 (new NPA)	0 ? ?	Nil ? ?	10 10 10
Key	7-D = 7-digit local dialling retained, 10? = Unknown (subsequent relief type,						

6. COMPARATIVE ASSESSMENT OF RELIEF OPTIONS

The RPC identified five (5) Relief Options in section 5 of this document. A Pro, Neutral or Con (P, N or C) rating was established for each Relief Option for each of the following attributes. The results are listed in the table below the list of attributes.

- A. NPA Code Conservation quantity of new NPAs required in Saskatchewan within the next 20 years after relief (2013-2033) (P = 0 new NPAs; N = 1 new NPA; C = 2 or more new NPAs)
- B. Number of separate Relief Planning areas in Saskatchewan in the long term (P = decrease; N = stays same; C = increase)
- C. Quantity of Potential Number Changes for existing customers' numbers either immediately or in the future (P = none; C = many)
- Level of Carrier Costs e.g., including implementation, customer awareness(P = Low;
 N = Medium; C = High)
- E. Time required to implement relief, i.e., time between the CRTC's Decision date and the date when CO Codes in the new/relief NPA can be activated (P = shortest; N = medium; C = longest; Z = not applicable)
- F. Longevity the length of time between this relief and subsequent relief activity in NPA 306 (e.g., a new area code) (P = 15 or more years; N = 9 through 14 years; C = within 8 years)
- G. Established Geographic Identities changes in boundaries of existing NPAs (P = none; C = 1 or more existing NPAs affected)
- H. New Geographic Identities boundaries of new NPA align with boundaries of known areas (e.g., existing NPA areas, provinces) or identifiable geographical features (e.g., rivers, islands) (P = aligns with existing NPA boundaries; N = aligns with geographical features but not with existing NPA boundaries; C = aligns with neither existing NPA boundaries, nor identifiable geographical features)
- I. Creates areas with mix of 7- and 10-digit local dialling in Saskatchewan (P = none; N = minor amount; C = significant)
- J. Consistent with the transition towards universal 10-digit local dialling, the Uniform Dialling Plan and future NANP Expansion (P = Yes; C = No)
- K. Reprogram Mobile Phones requirement to reprogram wireless devices to accommodate the number changes (P = Low; C = High)
- L. Potential maximum quantity of NPAs in an Exchange Area in the next 20 years after relief (2013-2033) (P = 1 NPA; N = 2 NPAs, C = 3 or more NPAs)
- M. Retains existing dialling pattern (7-digits) (P = no change; C = change)

	Relief Option			ro, l	leut	ral	or C	on f	or E	ach	Att	ribu	te		Rating
#	Description	Α	В	С	D	Е	F	G	Н	I	J	K	L	M	
1	Split – North Battleford, Prince Albert and Saskatoon LIRs retain NPA 306 and Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs change to new NPA	P	С	С	С	Z	P	С	С	P	С	С	P	Р	-2
2	Split – North Battleford, Prince Albert and Saskatoon LIRs change to new NPA, Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs retain NPA 306	P	С	С	С	Z	P	С	С	P	С	С	P	P	-2
3	Split – North Battleford, Prince Albert, Saskatoon and Yorkton LIRs retain NPA 306 and Moose Jaw, Regina, Swift Current and Weyburn LIRs change to new NPA	Р	С	С	С	Z	Р	С	С	Р	С	С	Р	Р	-2
4	Split – North Battleford, Prince Albert, Saskatoon and Yorkton LIRs change to new NPA and Moose Jaw, Regina, Swift Current and Weyburn LIRs retain NPA 306	P	С	С	С	Z	P	С	С	P	С	С	P	P	-2
5	Distributed Overlay of New NPA on NPA 306	Р	N	Р	С	Z	Р	Р	Р	Р	Р	Р	N	С	6

Note: None of the options require Exchange Area boundary changes.

If P, N and C are assigned a weighting of +1, 0 and -1, respectively, then analysis of the above table gives the highest rating of 6 points to Relief Option 5, and the next highest rating of -2 points to Relief Options 1 to 4.

Relief Option 5 is superior when assessed using the above criteria.

With a distributed overlay customer telephone number changes would not be required, thus minimizing negative customer impacts. With the split options, number changes would be required for between 42% and 58% of existing customers in NPA 306, which would be very inconvenient for those people and particularly expensive for business customers as they would be required to change their advertising, stationery, etc.

A distributed overlay of a new NPA Code on NPA Code 306 would cost less for some Carriers to implement and manage in the future than all other Relief Options considered by the RPC.

Wireless communication devices do not have to be reprogrammed and therefore customers will not be inconvenienced by having to take their sets to their service providers for reprogramming and associated Wireless Carrier costs would not be incurred. Costs for some Carriers would be minimized with an overlay due to fewer changes being required for back-office support and billing systems.

The distributed overlay option would retain the existing boundaries of the NPA 306 area, thus maintaining the geographic identify of area code 306 with the entire province of Saskatchewan and would retain a single relief planning area in the province, as opposed to two areas in the split options. In addition, it would provide the longest time frame before another exhaust would occur and relief would be required again in this region. Long-term relief is provided as the new Projected Exhaust Date would be 2050.

Since 2000, relief activity in Canada has been provided through overlay methods and predominantly through distributed overlays. Consequently, most Carriers are familiar with implementing the distributed overlay Relief Method.

7. DIALLING IMPACTS FOR LOCAL CALLS

Currently the dialling for local calls within NPA 306 and across its boundaries is as follows:

- 7-digit dialling for local calls within NPA 306
- in addition to providing 7-digit dialling for local calls from NPA 306, some TSPs permit 10-digit dialling, or 10- and 11-digit dialling,
- 7-digit dialling for local calls from NPA 306 Creighton SK to Flin Flon MB in adjacent NPA 204/431
- 7-digit dialling for local calls from NPA 306 Lloydminster and Marshall SK to Lloydminster AB in adjacent NPA 780/587
- 7-digit dialling for local calls from NPA 306 North Portal SK to Portal ND in adjacent NPA 701
- 7-digit dialling for local calls from adjacent NPA 204/431 to NPA 306 Flin Flon MB to Creighton SK, until 20 October 2012
- 10-digit dialling for local calls from adjacent NPA 780/587 to NPA 306 Lloydminster AB to Lloydminster and Marshall SK
- 7-digit dialling for local calls from adjacent NPA 701 to NPA 306 Portal ND to North Portal SK
- no local calling between NPA 306 and adjacent Canadian NPAs 403/587 & 867 and US NPA 406

After NPA relief, dialling for local calls will be as follows:

Type of		w NPA					
Relief	Within NPA 306	Within new NPA	Between NPA 306 and new NPA	From NPA 306 &/or new NPA to adjacent NPAs 204/431, 780/587 and 701			
Split	7-digit dialling retained	7-digit dialling provided	7-digit dialling eliminated, and mandatory 10-digit dialling introduced (see below for potential major exception)	7-digit dialling retained/provided			
Overlay	7-digit dialling eliminated, and mandatory 10-digit dialling introduced						

The Canadian NPA Relief Planning Guideline section 4.10 specifies that Code Protection be eliminated on relief, which means mandatory 10-digit dialling must be introduced for all local calls across NPA boundaries, unless the CRTC approves otherwise. An exception would not normally be justified if it would affect the life of the relief. In addition, if the amount of Code

Protection is sufficient to affect the life of the relief it would create a significant administrative burden for managing it.

For all of the geographical split options, existing CO Code Protection practices must remain in place for Creighton SK to Flin Flon MB, Lloydminster and Marshall SK to Lloydminster AB and North Portal SK to Portal ND in order to retain 7-digit local dialling.

Any future additional CO Code assigned in NPA 204/431 in the Flin Flon MB Exchange Area would need to be protected in NPA 306 or the new NPA in the Creighton SK Exchange Area to maintain 7-digit local dialling as the standard in Creighton SK.

Any future additional CO Code assigned in NPA 780/587 in the Lloydminster AB Exchange Area would need to be protected in NPA 306 or the new NPA in the Lloydminster and Marshall SK Exchange Areas to maintain 7-digit local dialling as the standard in Lloydminster and Marshall SK.

Any future additional CO Code assigned in NPA 701 in the Portal ND Exchange Area would need to be protected in NPA 306 or the new NPA in the North Portal SK Exchange Area to maintain 7-digit local dialling as the standard in North Portal SK.

Given the small amount of Code Protection that would be required to maintain 7-digit local dialling as the standard for all local calls in Creighton, Marshall, Lloydminster and North Portal SK and the fact that the protected CO Codes in NPA 204/431, 780/587 and 701 could be assigned in parts of Manitoba, Alberta and North Dakota distant from NPA 306, thus making effective use of the CO Codes, the RPC recommends that an exception be made to allow 7-digit dialling to continue on local calls from Creighton, Marshall, Lloydminster and North Portal SK, if a geographic split is approved by the CRTC.

Should the Commission approve a distributed overlay as recommended, all protection could be eliminated from Creighton, Marshall and Lloydminster as 10-digit local dialling would be mandatory in NPA 306 and the new NPA and in adjacent NPAs 204/431 and 780/587.

Regardless of the Relief Option chosen, protection of CO Codes 701 and 926 would have to continue in the North Portal EAS in both NPA 306 and the new NPA, as 7-digit dialling would be retained from Portal ND in NPA 701 to North Portal SK in accordance with North Dakota regulations (not subject to CRTC regulations) until such time as 10-digit local dialling is implemented in Portal ND.

Note regarding long-distance calling: Regardless of the Relief Option approved, long distance dialling will continue to be 1+10 digits. No local calling will become long-distance, and no long-distance calling will become local as a result of NPA relief.

8. IMPLEMENTATION OF MANDATORY 10-DIGIT LOCAL DIALLING PRIOR TO OVERLAYS

In Telecom Regulatory Policy CRTC 2009-156, section 13, regarding dialling plan changes, the Commission retained the general obligation for all relevant TSPs to inform all customers about dialling plan changes but that TSPs may determine the appropriate methods to inform their customers of dialling plan changes that will occur as part of NPA relief projects (e.g., network announcements on 7-digit dialled calls, bill messages and inserts, customer letters, e-mail messages, media advertising, web sites, etc.).

Equipment used by Local Exchange Carriers to provide service in some Exchange Areas may not be able to connect a call, following an announcement (i.e., cut-through), as is usually expected during transition to an overlay. Investments that would be required to upgrade or replace network elements to provide transition announcements in some communities could be significant relative to their size, and such investments would provide a capability that would only be used for a short time, i.e. during the dialling transition period.

In Telecom Decision CRTC 2006-26, the CRTC addressed the above situation and established a process and requirements for Carriers to follow. The RPC recommends the same approach be adopted for NPA 306.

In the Decision, the Commission directed TSPs to:

- send monthly bill inserts in each of the four (4) months immediately prior to the month when mandatory 10-digit local dialling is scheduled to be implemented;
- place two (2) notices in local newspapers (if available), one during the month prior to the month when mandatory 10-digit local dialling is scheduled to be implemented, and one during the month when mandatory 10-digit local dialling is scheduled to be implemented;
- send a personal letter to each affected customer, to be received ten (10) days prior to the implementation date of mandatory 10-digit local dialling; and
- place information on the TSPs' websites in a prominent, highly visible location for the minimum period of about five (5) months ending at the end of the month when mandatory 10-digit local dialling is scheduled to be implemented.

9. CO CODES FOR INITIAL CODE ASSIGNMENTS AND CO CODES FOR INITIAL CODE ASSIGNMENTS FOR NEW ENTRANTS ONLY

When area code relief planning becomes necessary, the CRTC usually directs that quantities of CO Codes in an exhausting NPA be set aside prior to relief as unavailable for assignment in order to ensure that some CO Codes in the exhausting NPA will be available after relief via an overlay for initial code assignments for New Entrants only and for initial code assignments for applicants in general or those already providing service in the NPA. In the absence of a Jeopardy Condition, exhaust of the NPA, or a split, the set-aside CO Codes would only be available after relief via an overlay, and any set-aside CO Codes remaining two (2) years after the overlay would be returned to the general pool.

A New Entrant is an entity who, at the time of their first request for assignment of CO Code(s) in an NPA, does not provide any telecommunications services and does not hold any CO Codes within the boundaries of the NPA.

Direction regarding set-aside CO Codes is provided by subparagraphs a), b) and c) of the fifth paragraph of section 9.1 of the Canadian NPA Relief Planning Guideline, which requires that the RPC establish the following as part of the JCP:

- a) If the CRTC has directed, or the RPC has recommended (e.g., per section 5.2 of this guideline), that CO Codes in the exhausting NPA be set aside for initial code assignments for New Entrants only for assignment following relief, then, if all other available CO Codes in the exhausting NPA have been assigned, or if the CRTC has approved a split, these set-aside codes should be made available during the Jeopardy Condition for assignment as initial codes for New Entrants only, i.e. for assignment prior to relief.
- b) If the CRTC has directed, or the RPC has recommended (e.g., per section 5.2 of this guideline), that CO Codes in the exhausting NPA be set aside for initial code assignments for applicants in general for assignment following relief, then the JCP should specify that these set-aside CO Codes will become available for general assignment when a Jeopardy Condition is in effect.
- c) If a Jeopardy Condition is in effect and, if all other available CO Codes in the exhausting NPA have been assigned, CRTC staff may make some or all of the CO Codes in the two pools identified in a) and b), above, available for assignment to any entity for any purpose.

Telecom Notice of Consultation CRTC 2011-260, *Establishment of a CISC ad hoc committee for area code relief planning for area code 306 in Saskatchewan*, issued by the Commission on 19 April 2011, the CRTC noted the CNA had declared a Jeopardy Condition for area code 306 and that area code 306 was projected to exhaust within twenty-five (25) months.

In paragraph ten of the Notice of Consultation, the Commission directed the NPA 306 RPC to set aside three (3) CO Codes from area code 306 to be made available for New Entrants only, and to ensure that those CO Codes remain unassigned, other than to New Entrants, for a period of two (2) years after the introduction of the new area code in Saskatchewan. Accordingly, the CNA has set aside three (3) CO Codes, as directed.

If the CRTC-approved Relief Method is an overlay, then these quantities of set aside CO Codes would become available for assignment as specified above during the two (2) year time period after implementation of the overlay. Any set-aside CO Codes remaining unassigned at the end of the two (2) year time period would be returned to the general pool of assignable CO Codes.

10. PROPOSED SCHEDULE

The RPC submits the following schedule for NPA 306 relief based on the recommendations contained in this Planning Document and the adjusted PED (including Code Conservation Measures developed by the RPC) of August 2013. The RPC will monitor the PED, and if it changes significantly in the future (e.g., is advanced or delayed by greater than two (2) months), the RPC will assess the situation and, if necessary, submit recommendations including a revised schedule to the CRTC for consideration and approval.

RELIEF IMPLEMENTATION SCHEDULE For a Distributed Overlay of new NPA 639 over NPA 306

Item	Task or Event	PRIME	START	END
1	CNA identifies NPA exhaust and notifies by e-mail CRTC staff, CSCN, NANPA & CISC that the NPA will exhaust within 25 months and NPA is in Jeopardy Condition	CNA		29-Mar-11
2	CNA conducts first J-NRUF (April 2011 J-NRUF)		29-Mar-11	10-May-11
3	CRTC issues Telecom Notice of Consultation (CRTC 2011-260) regarding establishment of relief planning for area code 306	CRTC		19-Apr-11
4	CNA announces the date for the initial NPA Relief Planning face-to-face meeting & requests contributions	CNA		25-Apr-11
5	CNA develops and distributes IPD to RPC	CNA	19-Apr-11	18-May-11
6	RPC participants review IPD & submit contributions to RPC	RPC	18-May-11	30-May-11
7	CNA chairs initial RPC meeting to start development of PD, RIP & PL, & schedules future meetings/conference calls including creation & consultation with CATF and NITF	CNA, RPC	31-May-11	01-Jun-11
8	CNA chairs subsequent RPC meetings/conference calls to finalize PD & RIP	CNA, RPC	01-Jun-11	13-Jul-11
9	Special Types of Telecommunications Service Users (9-1-1 PSAPs, alarm companies, ISPs, paging companies, etc.) to identify any concerns to RPC & CRTC	Special Users		28-Jun-11
10	CNA forwards Planning Document (PD) and, possibly, RIP to the CISC and CRTC for approval	CNA		13-Jul-11
11	CRTC issues Telecom Decision approving the Relief Method, Relief Date, New NPA & Relief Implementation Plan (RIP)	CRTC		02-Sep-11
12	Task Forces, Telecommunications Service Providers (TSPs) and users implement relief (starts at CRTC approval of Relief Method & Date and ends on Relief Date)	TSPs	02-Sep-11	25-May-13
13	All TSPs to develop and file individual consumer awareness programs with the CRTC (may be done collectively by Telecommunications Alliance) (starts at CRTC approval of RIP and should be completed about 18 months prior to the Relief Date)	TSPs	02-Sep-11	24-Nov-11

Item	Task or Event	PRIME	START	END
14	CNA issues media release (in coordination with Telecommunications Alliance) (may start upon CRTC approval of RIP and should be issued at least 18 months prior to the Relief Date)	CNA	02-Sep-11	24-Nov-11
15	CNA submits PL and RIP to NANPA (should be submitted at least 18 months prior to the Relief Date)	CNA		24-Nov-11
16	NANPA receives and posts Planning Letter to NANPA website (within 2 weeks of receipt from the CNA)	NANPA	24-Nov-11	08-Dec-11
17	All TSPs implement consumer awareness activities (starts upon filing of Consumer Awareness Programs with the CRTC and is completed on the Relief Date)	TSPs	24-Nov-11	25-May-13
18	All TSPs to notify all customers (including residence, business & special customers) of the need to transition from 7D to 10D dialling and the new overlay NPA (may start with the filing of Consumer Awareness Programs with the CRTC and all customers should be notified at least 18 months prior to the Relief Date)	TSPs	02-Sep-11	24-Nov-11
19	TSPs to submit Progress Report #1 to NITF and CATF (starts after completion date for all TSPs to notify their customers and requires 2 weeks)	TSPs	24-Nov-11	08-Dec-11
20	NITF and CATF develop & submit Progress Report #1 to RPC (linked to TSP reports to NITF and CATF)	NITF & CATF	08-Dec-11	22-Dec-11
21	RPC submits Progress Report #1 to CISC/CRTC (linked to NITF and CATF reports)	RPC	22-Dec-11	08-Jan-12
22	Telcordia TRA database updates to add Exchanges to new overlay NPA (starts on the date that the PL is posted to the NANPA web site and must be completed by 6 months prior to the Relief Date)	Telcordia TRA	08-Dec-11	23-Nov-12
23	All Telecommunications Service Users (including Special Users 9-1-1 PSAPs, alarm companies, ISPs, paging companies, etc.) to implement changes to their telecom equipment & systems to accommodate the new NPA (starts upon CRTC approval of RIP and ends on the Relief Date)	Telecom Service Users	02-Sep-11	25-May-13
24	Payphone Providers Reprogram Payphones (starts upon CRTC approval of RIP and ends on the Relief Date)	Payphone Providers	02-Sep-11	25-May-13
25	TSPs and database owners/operators to modify systems and industry databases (starts on CRTC approval of RIP and ends on the Relief Date)	TSPs & Database Owners	02-Sep-11	25-May-13
26	Operator Services & Directory Assistance Readiness (starts on CRTC approval of RIP and ends on the Relief Date)	TSPs	02-Sep-11	25-May-13
27	Directory Publisher Readiness for overlays (ability to identify the NPA in telephone numbers in the directory published after the Overlay NPA is activated) (starts upon CRTC approval of RIP and ends on the Relief Date)	Directory Publishers	02-Sep-11	25-May-13
28	9-1-1 PSAP Systems and Databases Readiness (starts on CRTC approval of RIP and ends on the Relief Date)	PSAPS & TSPs	02-Sep-11	25-May-13
29	9-1-1 TSP Readiness (starts on CRTC approval of RIP and ends on the Relief Date)	TSPs	02-Sep-11	25-May-13
30	ISCP & Service Order Systems Readiness (starts on CRTC approval of RIP and ends on the Relief Date)	TSPs	02-Sep-11	25-May-13

Item	Task or Event	PRIME	START	END
31	International Gateway Switch Translations Readiness for new NPA (starts on CRTC approval of RIP and ends on the Relief Date)	Int'l TSPs	02-Sep-11	25-May-13
32	Canadian Local Number Portability Consortium (CLNPC) Database Readiness for new NPA (starts on CRTC approval of RIP and ends on the Relief Date)	CLNPC & NPAC	02-Sep-11	25-May-13
33	Toll Free SMS Database Readiness for new NPA (starts on CRTC approval of RIP and ends on the Relief Date)	Toll TSPs	02-Sep-11	25-May-13
34	TSPs apply for Test CO Codes in new NPA (applications may be submitted no more than 6 months and no less than 66 days prior to the start date for the Inter-Carrier Testing Period) (Section 7.16.4 Canadian RP GL)	TSPs	27-Aug-12	21-Dec-12
35	Develop Inter-Carrier Network Test Plans and prepare for testing (individual TSPs to make arrangements in accordance with interconnection agreements) (may start upon CRTC approval of RIP and must be completed by start date for the Inter-Carrier Testing Period)	NITF & TSPs	02-Sep-11	25-Feb-13
36	All international and domestic TSPs must activate the new NPA in their networks by the start date for the Inter-Carrier Testing Period	TSPs		25-Feb-13
37	Date by which TSPs must route all calls using 10-digit signalling (i.e., cease use of 7-digit signalling) for local traffic sent to and received from other TSPs (must be completed by the start date for the Inter-Carrier Testing Period (TSPs may, but are not obligated to, negotiate special routing arrangements on a bilateral basis if required)	TSPs		25-Feb-13
38	Activation date for Overlay NPA Test CO Codes and Test Numbers in network (should be completed by the start date for the Inter-Carrier Testing Period)	TSPs		25-Feb-13
39	Inter-Carrier Testing Period (subject to Inter-Carrier Network Test Plans) (starts about 3 months prior to the start date for the 7- to 10-Digit dialling transition period, or about 3 months prior to the Relief Date and ends about 1 month after the Relief Date)	NITF & TSPs	25-Feb-13	24-Jun-13
40	Phase-in of 7- to 10-Digit Dialling Transition Period announcements (starts about 3 months prior to Relief Date)	TSPs	25-Feb-13	04-Mar-13
41	TSPs to submit Progress Report #2 to NITF and CATF (starts on commencement of Inter-Carrier Testing Period)	TSPs	25-Feb-13	11-Mar-13
42	NITF and CATF develop & submit Progress Report #2 to RPC (linked to TSP reports to NITF and CATF)	NITF & CATF	11-Mar-13	25-Mar-13
43	RPC submits Progress Report #2 to CISC/CRTC (linked to NITF and CATF reports)	RPC	25-Mar-13	08-Apr-13
44	Phase-in of mandatory 10 digit dialling announcements (occurs over 1 week and should be completed at least 1 week prior to Relief Date to address any problems that may arise)	TSPs	11-May-13	18-May-13
45	Relief Date (earliest date when CO Codes in new NPA may be activated)			25-May-13
46	TSPs submit Final Report to CATF and NITF (starts on Relief Date and provides 2 weeks for preparation & submission)	TSPs	25-May-13	08-Jun-13

PLANNING DOCUMENT

Item	Task or Event	PRIME	START	END
47	NITF and CATF develop & submit Final Progress Report to RPC (linked to TSP reports to NITF and CATF)	NITF & CATF	08-Jun-13	22-Jun-13
48	RPC submits Final Progress Report to CISC/CRTC (linked to NITF and CATF reports)	RPC	22-Jun-13	06-Jul-13
49	TSPs disconnect Test Codes & Numbers, and submit Part 1 form to return Test Codes (starts 1 month after Relief Date and allows 1 month for completion)	TSPs	24-Jun-13	24-Jul-13
50	TSPs change Mandatory 10 digit Dialling Announcement to standard announcement (mandatory announcement is required for a minimum of 3 months) (removal starts about 3 months after Relief Date and must be completed within 1 month)	TSPs	26-Aug-13	26-Sep-13

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- Note 1: In the event that a new J-NRUF or actual demand indicates that the Projected Exhaust Date will change significantly, the CNA may convene a meeting of the NPA Relief Planning Committee to review the issue and make a recommendation to the CISC and CRTC.
- Note 2: In the event that the Projected Exhaust Date is delayed by greater than six months, the RPC recommends that the CNA advise the RPC of the change and immediately convene a conference call of the RPC to discuss and address the matter. The RPC shall conduct an assessment of whether any changes should be made to the Relief Implementation Plan and Schedule (e.g., changes in tasks, events, and dates including the Relief Date) and, if agreed, submit recommendations to the CRTC for consideration and approval.

11. JEOPARDY CONTINGENCY PLAN (JCP)

The RPC developed the following JCP for submission to the Commission as a standalone document in accordance with Telecom Notice of Consultation CRTC 2011-260. The JCP was submitted to the Commission on June 14, 2011 but has been included to ensure the completeness of this PD. This JCP is based on the example contained in Appendix F to the Canadian NPA Relief Planning Guideline and contains additional CO Code Conservation Measures.

This JCP shall remain in effect until either the Jeopardy Condition is suspended or sixty-six (66) days before the Relief Date.

During a Jeopardy Condition, CO Code Applicants shall submit all CO Code applications and related correspondence for the Jeopardy NPA to CRTC staff in addition to the CNA.

In Telecom Notice of Consultation CRTC 2011-260 the Commission directed that any CO Code application to the CNA be accompanied by a letter, on company letterhead and signed by a company officer, justifying the request and certifying that the requested CO Code will be in service within four (4) months of the date of that application.

During a Jeopardy Condition, the CNA shall only assign CO Codes from the exhausting NPA to a CO Code Applicant upon approval of CRTC staff.

The following measures shall be implemented by all CO Code Holders in NPA 306 when this JCP is approved by the CRTC and while a Jeopardy Condition is in effect.

- 1) CO Code assignments per Carrier will not exceed the quantities that each Carrier has submitted to the CNA for the April 2011 J-NRUF for NPA 306.
- 2) Carriers and/or Telecommunications Service Providers (TSPs):
 - a) shall age disconnected residential and wireless telephone numbers for a maximum of two (2) months;
 - b) shall age disconnected business telephone numbers for a maximum of six (6) months. Under special circumstances, the six (6) month aging limit for business telephone numbers may be extended to twelve (12) months if required to accommodate local directory publishing dates for high volume call-in applications (e.g., heavily advertised local business numbers such as radio talk shows, food ordering services, ticket sales, chat lines), or for numbers associated with public service emergency applications or for numbers advertised in directories for which customers have requested reference of calls;
 - c) shall return all CO Codes that are not being used nor intended to be used to directly serve customers to the assignment pool within two (2) months (e.g., plant test codes);
 - d) should work towards, and encourage existing customers, to either activate or return the reserved numbers in order to bring the reserved quantity down to a maximum of ten percent (10%) of the quantity of numbers In-service for that customer:
 - e) shall not allow the quantity of reserved numbers to be increased by new reservation requests by existing customers to more than ten percent (10%) of the

- quantity of numbers in service for that customer. In the case of new customers, number reservations shall be limited to ten percent (10%) of the total quantity of telephone numbers being placed into service for that customer;
- shall, within forty-five (45) days from the date that the CNA declares a Jeopardy Condition submit a Part 1 Form for each remaining reserved CO Code either returning the reserved CO Code to the CNA or requesting assignment of the reserved CO Code. Once the forty-five (45) day period has elapsed, the CNA shall make available for general assignment all CO Codes that are still reserved and have not been applied for as assignments on a Part 1 Form received by the CNA. Within sixty (60) days from the date that the CNA declares a Jeopardy Condition, the CNA shall report to CRTC staff and the RPC as to how many of these codes have been assigned or made available for general assignment;
- g) shall not be permitted to obtain a new CO Code reservation;
- h) shall place all CO Codes assigned prior to the Jeopardy Condition being declared In-Service within three (3) months of the effective date for CO Code activation in the network, or within three (3) months of the date that the Jeopardy Condition was declared. If the CO Code is an Initial Code and the CO Code Holder can demonstrate that, due to circumstances beyond its control, the Inservice date has been delayed beyond the applicable timeframe, then the CNA may grant an extension of up to two (2) months to the Inservice date. The CNA shall initiate reclamation procedures for all CO Codes that have not been placed Inservice within these timeframes unless CRTC staff approves a further extension.
- 3) For new applications for Initial Codes, each CO Code Holder shall certify that the CO Code will be activated in the network and placed In-service within four (4) months of the date of application for the code. If the CNA does not receive a Part 4 Form within this timeframe, confirming that the CO Code has been placed In-service, the CNA will initiate reclamation measures. If the CO Code Holder can demonstrate that, due to circumstances beyond its control, the In-service date has been delayed not more than six (6) months from the original application date, and then the CNA may grant an extension to the In-service date, so long as the In-service date is not more than six (6) months beyond the original application date. If the In-service date has been delayed more than six (6) months from the original application date, then the CNA shall reclaim the CO Code unless CRTC staff approves a further extension.
- When applying for an Additional Code for Growth, a CO Code Holder who is submitting a Part 1 Form and Appendix B worksheet shall also submit a completed Supplementary Form for a Growth CO Code Application (attached) which certifies and/or provides the following information for the specific switching entity/POI and Exchange Area when the growth CO Code is being requested in a Jeopardy Condition:
 - a) certification that all held telephone numbers have been released:
 - b) certification that reserved numbers do not exceed ten percent (10%) of the total quantity of numbers as defined in Appendix G of the Canadian CO Code (NXX) Assignment Guideline;
 - c) certification that each reseller/dealer had been advised of the Jeopardy Condition and the requirement that they would only be allocated additional numbers during the Jeopardy Condition on the provision to the CO Code Holder of written confirmation that their number inventory has been reduced to an amount less than two (2) times the highest quantity of customer numbers assigned in any

- month during the previous twelve (12) months. Additional numbering resources will only be provided by the CO Code Holder to the reseller/dealer to the extent that the reseller's/dealer's inventory can only increase up to a maximum of three (3) months' inventory;
- d) confirmation that the Part 1 Form submitted with the application has the Jeopardy Condition box in section 1.6 checked to certify that the existing CO Codes are projected to exhaust within four (4) months of the date of application or within the period specified within an approved JCP, and that the months-to-exhaust is documented on an Appendix B submitted to the CNA;
- e) a completed Telephone Number Utilization Report;
- f) confirmation that the requested Growth CO Code was forecasted in the April 2011 J-NRUF or an explanation as to why it was not is attached; and
- g) confirmation that the requested Growth CO Code will be placed In-service within four (4) months of the date of assignment.

In Telecom Notice of Consultation 2011-260 it was specified that the Telephone Number Utilization Report Form (see item 4e) above) is to be signed by both a company officer and the company's Authorized Representative.

- Any CO Codes for growth assigned after the implementation of this JCP must be activated in the network and placed In-service within four (4) months of assignment. In the event that a CO Code Holder is unable to place the CO Code In-service within four (4) months of the date of assignment, the CO Code Holder must submit a written request for extension to the CNA. Such written requests must include documentation explaining the reason(s) for the missed date and proposing the new In-Service date. If the explanation includes reasons beyond the control of the CO Code Holder, the CNA may extend the In-service date a maximum of one (1) month. If the CO Code Holder does not place the CO Code In-service within the one (1) month extension, the CNA shall reclaim the CO Code immediately at the end of the one (1) month extension unless CRTC staff approves a further extension.
- A Carrier that has multiple switching entities within an Exchange Area shall examine the possibility of, and implement where feasible, number sharing between those switches as a potential method to delay requirements for additional CO Codes.
- 7) The CNA will request two versions of the J-NRUF input from all current and prospective CO Code Holders quarterly until three (3) months before relief is provided. The forecasted quantities in Version 1 should be the same as or lower than the April 2011 J-NRUF input submitted by CO Code Holders for the period up to the Relief Date. CO Code Holder forecasts may reflect an increase in demand in the period subsequent to the Relief Date. Version 2 will reflect the actual demand required by the CO Code Holder's current business plan and will be provided for information purposes only.
- 8) The CNA will compare the initial April 2011 J-NRUF input to the recent NRUF inputs, in order to assess forecasting trends. The CNA shall monitor all inputs and shall test them for reasonableness in consultation with the Carrier. If the CNA is dissatisfied with the reasonableness, or the rationale provided for the deviations, then the matter will be referred to CRTC staff.
- 9) A CO Code Applicant must have submitted a completed J-NRUF to the CNA before the CNA may assign a CO Code to that CO Code Applicant.

10) CO Code Applicants shall submit all CO Code applications and related correspondence for the Jeopardy NPA to CRTC staff in addition to the CNA. When a CO Code Applicant requests more CO Codes or otherwise deviates from their April 2011 J-NRUF forecast, the CNA will advise CRTC staff if the changes impact the Projected Exhaust Date.

- 11) The CO Codes identified in the NPA CO Code Inventory Chart as "Assignable CO Codes in a Jeopardy Condition" will be assigned in the order determined by the RPC after all CO Codes which are Available for Assignment have been assigned.
- 12) After each J-NRUF, the CNA shall provide CRTC staff and the RPC participants with a report providing an updated NPA CO Code Inventory Chart for the area code in jeopardy as well as the aggregate results of the most recent J-NRUF.
- 13) Exceptional issues or concerns may be referred by the CNA, or by individual entities (with a courtesy copy to the CNA), to CRTC staff for resolution.
- In a situation where the Relief Date is on or after the PED, the quantity of CO Codes that may be assigned to a CO Code Applicant prior to the end of the Jeopardy Condition (i.e., sixty-six (66) days prior to the Relief Date) shall be limited to the quantity forecasted by the CO Code Applicant in the April 2011 J-NRUF forecast. When making requests to obtain CO Codes prior to the end of the Jeopardy Condition (i.e., sixty-six (66) days prior to the Relief Date), the CO Code Applicant may change the Exchange Area or the month when the CO Code assignment is required, provided a new J-NRUF and explanation accompanies the application. The control imposed by this option may be relaxed if subsequent J-NRUFs defer the PED to after the Relief Date. CO Codes that become available for assignment due to future reduced demand from other current and prospective CO Code Holders may be assigned at the discretion of CRTC staff.
- 15) If the CNA determines that the implementation of the JCP has not extended the Projected Exhaust Date of the NPA beyond the Relief Date, due to the introduction of New Entrants, the CNA will consult with CRTC staff and further CO Code conservation and assignment procedures may be ordered by the Commission (e.g., rationing, lottery, etc.). A New Entrant is an entity who, at the time of their first request for assignment of CO Code(s) in an NPA, does not provide any telecommunications services and does not hold any CO Codes within the boundaries of the NPA.
- The RPC has set aside eight (8) CO Codes from the pool of CO Codes assignable in a Jeopardy Condition to be used for New Entrants prior to relief.
- 17) In Telecom Notice of Consultation CRTC 2011-260 the Commission directed the NPA 306 RPC to set aside three (3) CO Codes from area code 306 to be made available for New Entrants only, and to ensure that those CO Codes remain unassigned, other than to New Entrants, for a period of two (2) years after the introduction of the new area code in Saskatchewan.
- 18) When a Jeopardy Condition is in effect and, if all other available CO Codes in the exhausting NPA have been assigned, then CRTC staff may make some or all of the eleven (11) set-aside CO Codes available for assignment.

Supplementary form for a Growth CO Code Application – Page 1 of 2 – Telephone Number Utilization Report

This form is required with each request for an Additional Code for Growth in an NPA where a Jeopardy Condition is in effect. It should be submitted to the CNA together with the Part 1 and Appendix B forms that are required for an application for an Additional Code for Growth. See the Part 1 form for information on how and where to submit the form.

I hereby certify that the following information is true and accurate to the best of my knowledge and has been prepared in accordance with Special Conservation Procedures for a Jeopardy Condition contained in the Canadian NPA Relief Planning Guideline or the applicable approved Jeopardy Contingency Plan.

Name & Signature of A	Authorized Representative of Code H	older Title	Date
Name & Signature of C	Company Officer (see item 4 of this JC	CP) Title	Date
Contact information:	Entity Name: Address: Telephone: E-mail:	City, Province, Postal Code: Facsimile:	
Switch Identification (Sw	vitching Entity/POI) CLLI:	Exchange Area:	
For the above Switch Ide	entification and Exchange Area for which	ch a Growth CO Code is requested:	
☐ I certify th	at all held telephone numbers have be	en released	
	ne total quantity of reserved numbers of dian CO Code (NXX) Assignment Guid		al quantity of telephone numbers as defined in
additional numbers duri reduced to an amount lo Additional numbering re	ng the Jeopardy Condition on the provess than two (2) times the highest qua	vision to the CO Code Holder of written conf antity of customer numbers assigned in any r	equirement that they would only be allocated firmation that their number inventory has been month during the previous twelve (12) months. extent that the reseller's/dealer's inventory can
projected to exhaust with		pplication or within the period specified in an a	d (this certifies that the existing CO Codes are approved Jeopardy Contingency Plan, and that
☐ The Telep	ohone Number Utilization Report on pag	ge 2 of this form has been completed.	
☐ The reque	ested Growth CO Code was forecasted	in the most recent NRUF, or an explanation a	as to why it was not is attached.
☐ The reque	ested Growth CO Code will be placed In	n-Service within four (4) months of the date of	assignment.

Supplementary form for a Growth CO Code Application - Page 2 of 2 - Telephone Number Utilization Report (Note: if the spreadsheet below does not show on your display, please change the Word view to "Print Layout" or "Reading Layout"

					Quantities	of Telephor	ne Numbers	3		
		Portable	Reseller				Ported			%
NPA	NXX	(Y or N)	Inventory	Assigned	R&H	Admin	Out	Available	Aging	Utilization
T0										
10	TAL									

% Utilization = (Reseller Inventory+Assigned+R&H+Admin+Ported Out+Aging)/(100)

Remarks:	 	 	

NPA 306 CO Code Inventory Chart

The following chart and the instructions it contains will apply in NPA 306 in a Jeopardy Condition.

The chart shown below lists quantities of CO Codes unassignable prior to a Jeopardy Condition, CO Codes that become assignable in a Jeopardy Condition, and CO Codes in NPA 306 assigned and In-service as of 29 June 2011. For an Overlay option it identifies thirty three (33) CO Codes that are unassignable prior to a Jeopardy Condition, thirteen (13) of which become assignable in a Jeopardy Condition. The CO Codes that become assignable in a Jeopardy Condition shall only be made available for assignment when all other available CO Codes have been assigned. The types of CO Codes that become assignable in a Jeopardy Condition should be made available in the same order as listed in the chart.

		Quantity
Α	Total CO Codes in NPAs 306 (NXX format)	800
_		
В	CO Codes unassignable prior to a Jeopardy Condition	
	N11 Service Codes (211, 311, 411, 511, 611, 711, 811, 911)	8
	Special Use Codes (555, 950 & 976)	3
	Home NPA Code(s) (306)	1
	Current Neighbouring NPA Codes (204, 403, 431 – See Note 2)	3
	Future Geographic NPA Codes (437, 474, 568, 639, 851, 871, 879, 942 – See Note 3)	8
	Plant Test Codes (958 & 959)	2
	Special 7-digit Dialling Codes (610 & 810)	2
	CO Codes set aside for Initial Codes for New Entrants only (Telecom	
	Notice of Consultation CRTC 2011-260)	3
	9-1-1 Misdial Codes (912, 914 & 915)	3
	Total B	33
С	CO Codes assignable prior to a Jeopardy Condition (C=A-B)	767
D	CO Codes unassignable prior to a Jeopardy Condition that become	
D	assignable in a Jeopardy Condition:	3
D	assignable in a Jeopardy Condition: 911 Misdial Codes (912, 914 & 915) Current Neighbouring NPA Codes (assign CO Code 403 in the eastern portion of NPA 306 and assign CO Codes 204 and 431 in the western	3
D	assignable in a Jeopardy Condition: 911 Misdial Codes (912, 914 & 915) Current Neighbouring NPA Codes (assign CO Code 403 in the eastern portion of NPA 306 and assign CO Codes 204 and 431 in the western portion of NPA 306) Future Canadian Geographic NPA Codes (437, 474, 568, 851, 871,	
D	assignable in a Jeopardy Condition: 911 Misdial Codes (912, 914 & 915) Current Neighbouring NPA Codes (assign CO Code 403 in the eastern portion of NPA 306 and assign CO Codes 204 and 431 in the western portion of NPA 306)	3
	assignable in a Jeopardy Condition: 911 Misdial Codes (912, 914 & 915) Current Neighbouring NPA Codes (assign CO Code 403 in the eastern portion of NPA 306 and assign CO Codes 204 and 431 in the western portion of NPA 306) Future Canadian Geographic NPA Codes (437, 474, 568, 851, 871, 879, 942 – See Note 3) Total D CO Codes set aside for New Entrants recommended by RPC (912,	7
E	assignable in a Jeopardy Condition: 911 Misdial Codes (912, 914 & 915) Current Neighbouring NPA Codes (assign CO Code 403 in the eastern portion of NPA 306 and assign CO Codes 204 and 431 in the western portion of NPA 306) Future Canadian Geographic NPA Codes (437, 474, 568, 851, 871, 879, 942 – See Note 3) Total D CO Codes set aside for New Entrants recommended by RPC (912, 914, 915, 403, 204, 431, 437, 942) CO Codes unassignable prior to a Jeopardy Condition that become	3 7 13
	assignable in a Jeopardy Condition: 911 Misdial Codes (912, 914 & 915) Current Neighbouring NPA Codes (assign CO Code 403 in the eastern portion of NPA 306 and assign CO Codes 204 and 431 in the western portion of NPA 306) Future Canadian Geographic NPA Codes (437, 474, 568, 851, 871, 879, 942 – See Note 3) Total D CO Codes set aside for New Entrants recommended by RPC (912, 914, 915, 403, 204, 431, 437, 942) CO Codes unassignable prior to a Jeopardy Condition that become assignable in a Jeopardy Condition (F=D-E)	3 7 13 8
E F	assignable in a Jeopardy Condition: 911 Misdial Codes (912, 914 & 915) Current Neighbouring NPA Codes (assign CO Code 403 in the eastern portion of NPA 306 and assign CO Codes 204 and 431 in the western portion of NPA 306) Future Canadian Geographic NPA Codes (437, 474, 568, 851, 871, 879, 942 – See Note 3) Total D CO Codes set aside for New Entrants recommended by RPC (912, 914, 915, 403, 204, 431, 437, 942) CO Codes unassignable prior to a Jeopardy Condition that become assignable in a Jeopardy Condition (F=D-E) Assignable CO Codes in a Jeopardy Condition (G=C+F)	3 7 13 8 5
E F G H	assignable in a Jeopardy Condition: 911 Misdial Codes (912, 914 & 915) Current Neighbouring NPA Codes (assign CO Code 403 in the eastern portion of NPA 306 and assign CO Codes 204 and 431 in the western portion of NPA 306) Future Canadian Geographic NPA Codes (437, 474, 568, 851, 871, 879, 942 – See Note 3) Total D CO Codes set aside for New Entrants recommended by RPC (912, 914, 915, 403, 204, 431, 437, 942) CO Codes unassignable prior to a Jeopardy Condition that become assignable in a Jeopardy Condition (F=D-E)	3 7 13 8 5

Notes:

1. 21 of the 29 CO Codes corresponding to Future Canadian Geographic NPA Codes are already assigned, in-service, or available for assignment in NPA 306 leaving 8 CO Codes as currently unavailable for assignment.

- 2. CO Codes 406, 587, 780 and 867 are already assigned as CO Codes in NPA 306. CO Codes 701 and 926 are available for assignment outside the North Portal EAS.
- 3. CO Codes for New Entrants recommended by RPC should be assigned from the pool in the following order: 912, 914, 915, 403, 204, 431, 437 and 942
- 4. CO Codes 474, 568, 851, 871, 879 are available for assignment as a last resort in NPA 306.
- 5. CO Code 639 should remain unassignable as it is the recommended Relief NPA.

12. SELECTION OF RELIEF NPA CODE

When an immediate or subsequent NPA relief requires a new NPA Code, some of the criteria for selecting the new NPA Code from the list of available Future Canadian Geographic NPA Codes are described in section 4.9 of the Canadian NPA Relief Planning Guideline as follows.

In the event that the recommended relief option requires a new NPA Code, the criteria for selection of an appropriate area code for relief is addressed in section 4.6 of the Canadian NPA Relief Planning Guideline. The criteria that should be taken into account when Future Canadian Geographic NPAs are being considered as candidates for relief of a specific current Canadian Geographic NPA include the following:

- a) The preferred Future Canadian Geographic NPA Code should not be an NPA Code that is assigned as a CO Code in the area that is being relieved (Home NPA(s)).
- b) The preferred Future Canadian Geographic NPA Code should not be an NPA Code that is assigned as a CO Code in another NPA within the same province where there is a possibility that a single new NPA Code could be overlaid on more than one NPA within the province, or where boundary realignment could occur that affects another NPA.
- c) The preferred Future Canadian Geographic NPA Code should not be an NPA Code that is assigned as a CO Code in an Exchange Area in a neighbouring NPA, if the neighbouring NPA has 7-digit local calling within the NPA, and i) the Exchange Area in the neighbouring NPA where the CO Code is assigned has local calling to the NPA being relieved, or ii) the Exchange Area in the neighbouring NPA where the CO Code is assigned does not have local calling to the NPA being relieved, but other Exchange Areas within that neighbouring NPA have 7-digit local calling to the Exchange Area where the CO Code is assigned as well as local calling to the new NPA.

On the CNA web site at http://www.cnac.ca/npa_codes/relief/overview.htm there is an NPA Selection Tool that can assist in determining which of the NPA Codes that are currently available for assignment in Canada are most suitable for relief of an exhausting NPA.

For information extracted from the NPA Selection Tool that shows the suitability of Future Canadian Geographic NPA Codes for the relief of NPA 306, see Annex B, Table 3.

CO Codes corresponding to Future Canadian Geographic NPA Codes which are not assigned in NPA 306 and therefore meet criterion a) above are 437, 474, 568, 639, 851, 871, 879 and 942.

Criterion b) is not applicable since Saskatchewan has a single Numbering Plan Area.

Criterion c) is met by seven (7) of the eight (8) codes because none of them are assigned as CO Codes in Flin Flon MB or Lloydminster AB. All of the NPA Codes except 871 (437, 474, 568, 639, 851, 879 and 942) are therefore equally suitable as a new NPA Code for the relief of NPA 306, unless analysis of potential future code reservations for NPA reliefs in other areas of Canada, or TSP cost considerations indicate a preference for one code over another for the relief of NPA 306.

The NPA Code Selection Tool located on the CNA web site at http://www.cnac.ca/npa_codes/relief/overview.htm can assist in selecting a relief NPA Code from the pool of NPA Codes reserved for relief of geographic Canadian NPAs. The following table, extracted from the NPA Code Selection Tool, shows all codes corresponding to Future Canadian Geographic NPA Codes that are designated as unassignable CO Codes in the Home NPA, therefore are preferred candidates when selecting a relief NPA Code for NPA 306.

NXX corresponding to Future NPA →	437	474	568	639	851	871	879	942
Split - Option 1	✓	✓	✓	✓	✓	✓	✓	✓
Split - Option 2	✓	✓	✓	✓	✓	√√	✓	✓
Split - Option 3	✓	✓	✓	✓	✓	✓	✓	✓
Split - Option 4	✓	✓	✓	✓	✓	√√	✓	✓
Distributed Overlay of New NPA Code on NPA 306	✓	✓	✓	✓	√	✓	✓	✓

- ✓ Indicates that corresponding CO Code is designated as unassignable in Home NPA(s)
- ✓✓ Indicates that corresponding CO Code is designated as an unsuitable NPA in split Option 2 and Option 4 due to criterion c) above. The NPA Code Selection Tool indicates that 871 is in-service CO Code in Lloydminster AB, which has 7-digit local dialling from Lloydminster and Marshall SK.

Based on the above table, all of the Future Canadian Geographic NPA Codes which are not assigned in NPA 306, except 871 which is In-service in Lloydminster AB, and has 7-digit local dialling from Lloydminster and Marshall SK, meet all the criteria for relief of NPA 306 and for the retention of 7-digit local dialling after relief if a split option is chosen as the Relief Method.

Given the above considerations, the NPA 306 RPC recommends that NPA Code 639 be the new relief NPA Code for the area code 306 region.

13. RECOMMENDATIONS

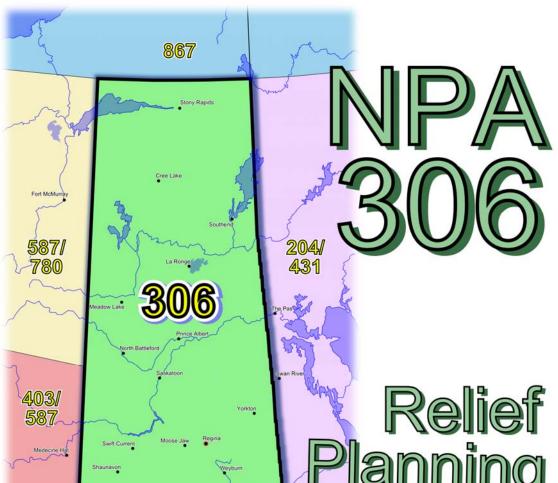
Based on the assessment of Relief Options and other information contained in this document, the RPC submits the following recommendations to the CISC and CRTC:

- 1) The Relief Method should be a distributed overlay of a new NPA Code on Saskatchewan NPA 306;
- 2) NPA Code 639 should be the Relief NPA Code;
- 3) The Relief Date should be 25 May 2013 in order to provide Carriers and customers with advanced notification and sufficient lead-time to implement relief;
- 4) The local dialling plan should be changed to 10 digits for all local calls within NPA 306 and from NPA 306 to adjacent NPA 204/431 (Creighton SK to Flin Flon MB), NPA 701 (North Portal SK to Portal ND) and NPA 780/587 (Lloydminster and Marshall SK to Lloydminster AB);
- 5) A 7- to 10-digit dialling transition period should be implemented commencing on 25 February 2013, with network announcements on calls dialled using 7 digits phased in over one week between 25 February 2013 and 4 March 2013.
- 6) Mandatory 10-digit local dialling should be implemented commencing on 11 May 2013, with network announcements on calls dialled using 7 digits phased in over one week between 11 May 2013 and 18 May 2013; and
- 7) Standard network announcements should be implemented commencing on 26 August 2013 and completed within one month by 26 September 2013.

NPA 306 PLANNING DOCUMENT ANNEXES

Annexes Planning Document NPA 306 Numbering Relief





Planning Document (PD) Version 1.0 – 13 July 2011

Canadian Numbering Administrator (CNA)
Suresh Khare
613-683-3296
60 Queen Street, Suite 1516
Ottawa, Ontario K1P 5Y7
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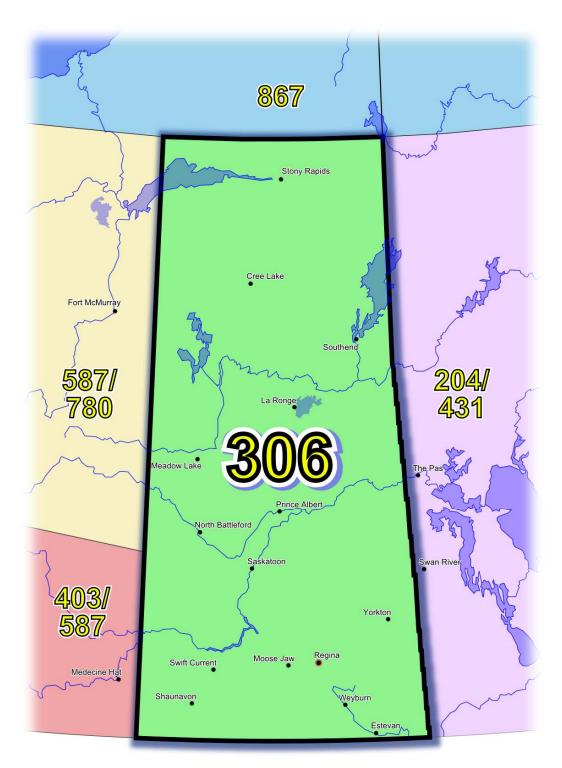


Figure 1 - Overview Map of NPA 306

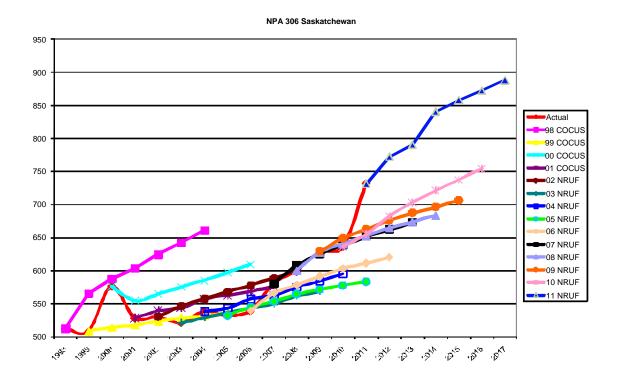


Figure 2 - NPA 306 Actual and Forecast CO Code Assignments

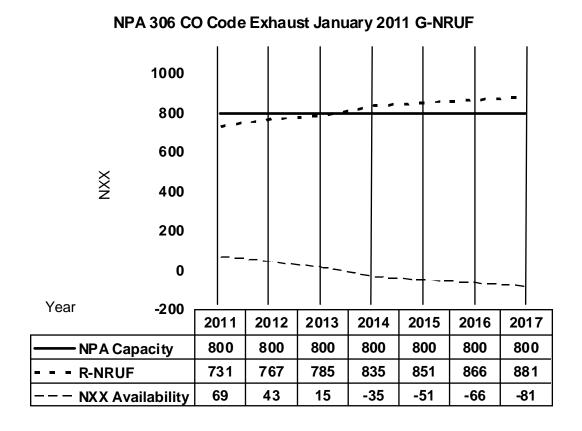


Figure 3 - NPA 306 CO Code Exhaust, January 2011 G-NRUF

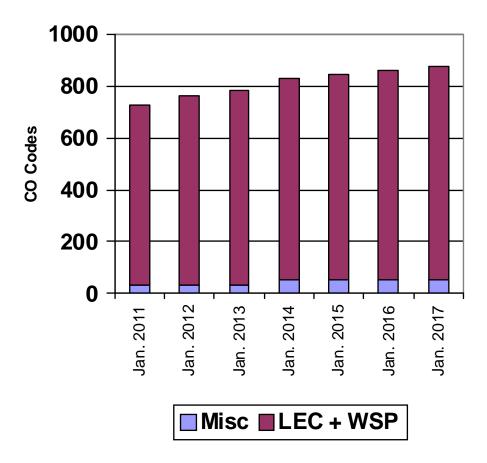


Figure 4 - NPA 306 Miscellaneous and LEC+WSP Codes, January 2011 G-NRUF

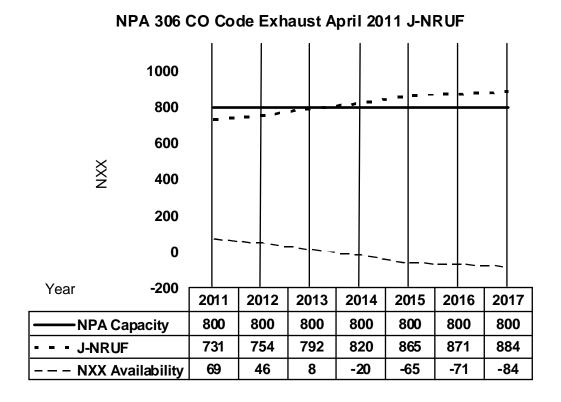


Figure 5 - NPA 306 CO Code Exhaust, April 2011 J-NRUF

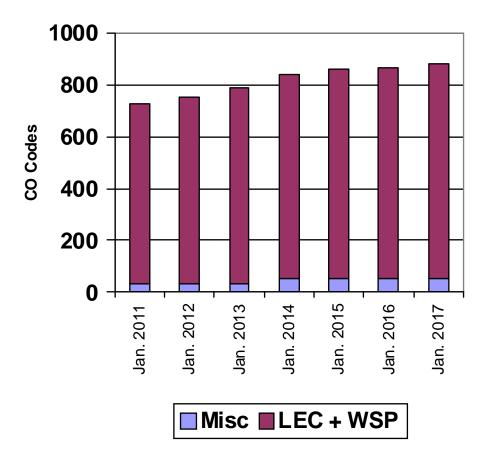


Figure 6 - NPA 306 CO Code Exhaust, April 2011 J-NRUF

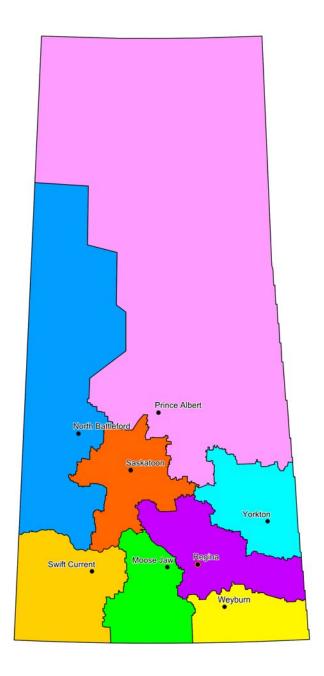


Figure 7 - Saskatchewan LIRs

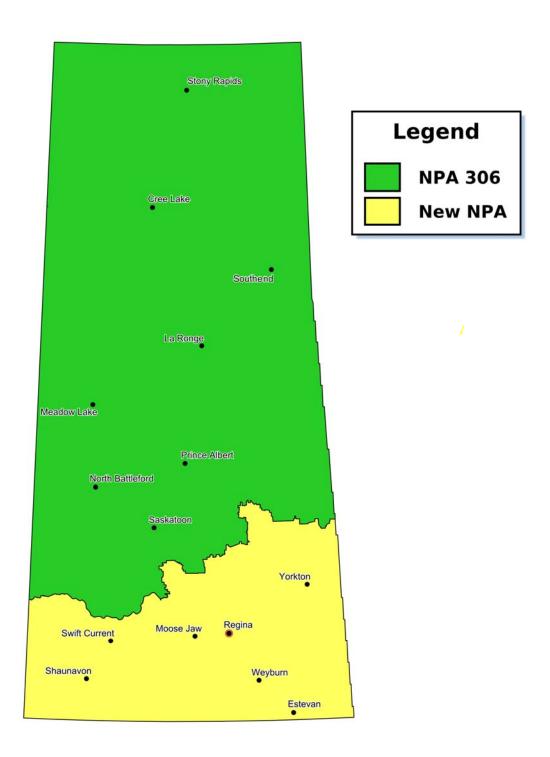


Figure 8 – Option 1: Split – North Battleford, Prince Albert and Saskatoon LIRs retain NPA 306, and Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs change to new NPA

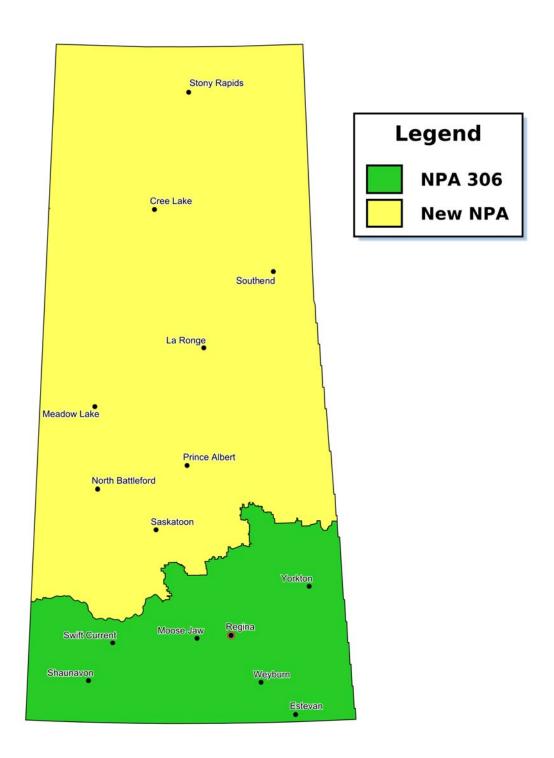


Figure 9 – Option 2: Split – North Battleford, Prince Albert and Saskatoon LIRs change to new NPA, and Moose Jaw, Regina, Swift Current, Weyburn and Yorkton LIRs retain NPA 306

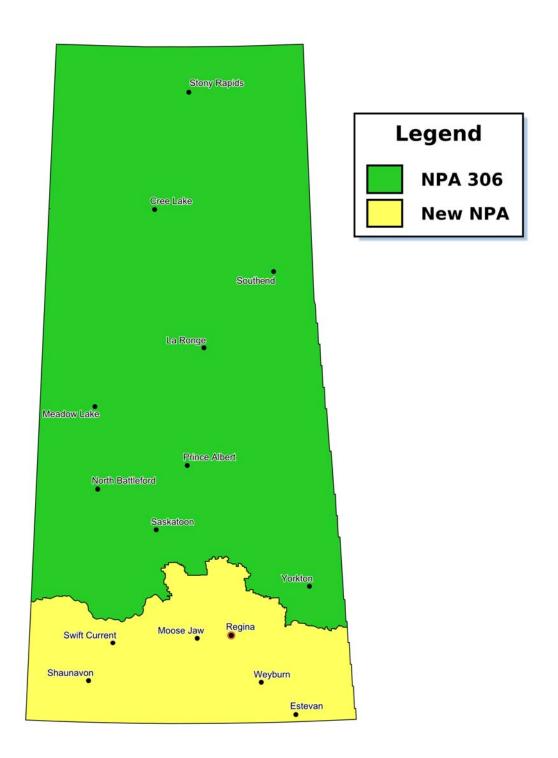


Figure 10 – Option 3: Split – North Battleford, Prince Albert, Saskatoon and Yorkton LIRs retain NPA 306, and Moose Jaw, Regina, Swift Current and Weyburn LIRs change to new NPA

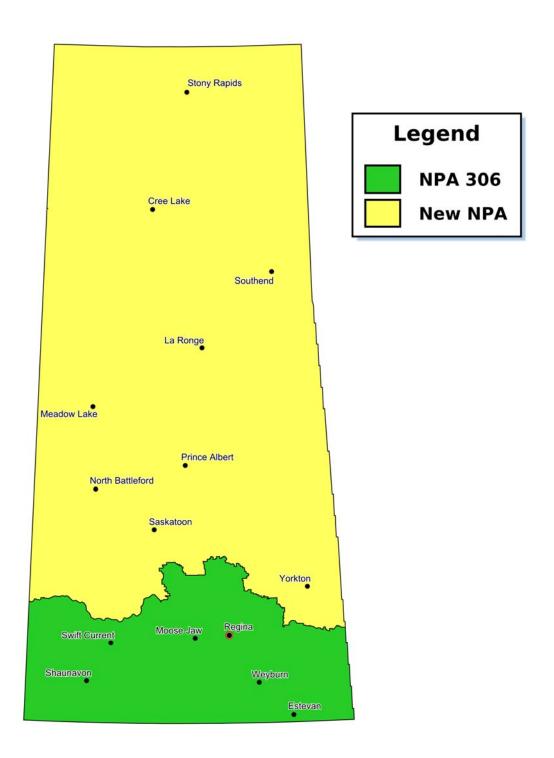


Figure 11 –Option 4: Split – North Battleford, Prince Albert, Saskatoon and Yorkton LIRs change to new NPA, and Moose Jaw, Regina, Swift Current and Weyburn LIRs retain NPA 306

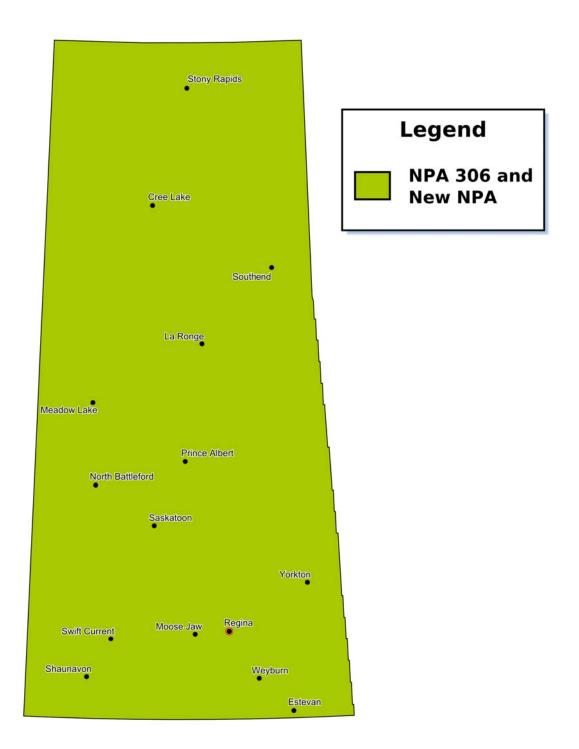


Figure 12 – Option 5: Distributed Overlay of New NPA on NPA 306

Table 1 – Exchange Areas currently in NPA 306, and NPAs for these Exchange Areas after each Relief Option

Options		1	2	2	;	3	,	4	;	5
Exchange Area	306	New	306	New	306	New	306	New	306	New
Aberdeen	✓			1	1			✓	1	✓
Allan	√			1	✓			✓	1	✓
Alvena	√			✓	✓			✓	✓	✓
Asquith	✓			✓	✓			✓	✓	✓
Assiniboia		✓	✓			✓	✓		✓	✓
Avonlea		✓	✓			✓	✓		✓	✓
Balcarres		✓	✓			✓	✓		✓	✓
Balgonie		✓	✓			✓	✓		✓	✓
Beauval	✓			✓	✓			✓	✓	✓
Beechy	1			1	1			1	✓	✓
Bengough		✓	1			✓	✓		1	✓
Bethune		✓	✓			✓	✓		1	✓
Bienfait		✓	✓			✓	✓		✓	✓
Big River	1			1	1			1	1	✓
Biggar	1			1	1			1	1	✓
Birch Hills	1			1	1			1	1	✓
Blaine Lake	√			1	1			1	✓	✓
Borden	1			1	1			1	1	✓
Briercrest		✓	√			✓	✓		✓	✓
Broadview		✓	✓			✓	✓		✓	✓
Bruno	1			1	1			1	✓	✓
Buffalo Narrows	1			1	1			1	✓	✓
Cabri		✓	✓			✓	✓		✓	✓
Calder		✓	✓		1			1	✓	✓
Canoe Narrows	1			1	1			1	✓	✓
Canora		✓	✓		1			1	✓	✓
Canwood	1			1	1			1	✓	✓
Carlyle		✓	✓			✓	✓		✓	✓
Carnduff		✓	✓			✓	✓		✓	✓
Carrot River	1			1	1			1	1	✓
Central Butte		1	✓			✓	✓		1	✓
Christopher Lake	✓			1	1			✓	1	✓
Churchbridge		1	✓		✓			✓	1	✓
Climax		1	✓			✓	✓		1	✓
Coderre		1	✓			✓	1		1	✓
Colonsay	1			1	1			1	1	✓
Consul		1	✓			✓	1		1	✓
Coronach		✓	✓			✓	✓		✓	✓

Options		1	2	2	;	3		4	;	5
Exchange Area	306	New	306	New	306	New	306	New	306	New
Craik		√	✓			✓	✓		✓	✓
Creighton	1			✓	✓			✓	✓	✓
Cudworth	√			✓	✓			✓	✓	✓
Cumberland House	✓			✓	✓			✓	✓	✓
Cupar		✓	✓			✓	✓		✓	✓
Cut Knife	✓			✓	✓			✓	✓	✓
Dalmeny	✓			✓	✓			✓	✓	✓
Davidson		✓	✓			✓	✓		✓	✓
Delisle	1			✓	✓			1	✓	✓
Dillon	✓			✓	✓			1	✓	✓
Dinsmore	1			✓	1			1	✓	✓
Duck Lake	1			1	1			1	✓	✓
Dundurn	1			1	1			1	✓	✓
Earl Grey		1	✓			1	✓		✓	✓
Eastend		1	✓			✓	✓		✓	✓
Edam	✓			✓	✓			✓	✓	✓
Elrose	√			✓	✓			1	✓	✓
Esterhazy		✓	√		✓			✓	✓	✓
Estevan		√	√			1	✓		✓	✓
Eston	1			1	1			1	✓	✓
Eyebrow		✓	✓			1	✓		✓	✓
Fillmore		1	✓			✓	✓		✓	✓
Foam Lake		✓	✓		1			1	✓	✓
Fond Du Lac	1			1	1			1	✓	✓
Fort Qu'Appelle		1	1			1	1		✓	✓
Francis		✓	✓			✓	✓		✓	✓
Frontier		1	1			1	✓		✓	✓
Glaslyn	1			1	1			1	✓	✓
Goodsoil	1			1	1			1	✓	✓
Gravelbourg		1	✓			✓	✓		✓	✓
Green Lake	1			1	1			1	✓	✓
Grenfell		1	✓			1	✓		✓	✓
Gull Lake		1	1			1	1		√	✓
Hafford	1			√	1			1	✓	✓
Hague	1			1	1			1	✓	✓
Hanley	1			✓	✓			✓	✓	✓
Hepburn	1			1	1			1	✓	✓
Herbert		1	✓			1	✓		✓	✓
Hodgeville		1	1			1	✓		1	√
Holdfast		1	1			1	1		1	√
Hudson Bay	✓			1	✓			1	✓	✓
Humboldt	1			1	1			1	1	√

Options		1	:	2	;	3		4	į	5
Exchange Area	306	New	306	New	306	New	306	New	306	New
Ile-A-La-Crosse	✓			1	1			✓	✓	✓
Imperial		✓	✓			✓	✓		✓	✓
Indian Head		✓	✓			✓	✓		✓	✓
Invermay		✓	✓		✓			✓	✓	✓
Ituna		✓	✓		✓			✓	✓	✓
Kamsack		✓	✓		✓			✓	✓	✓
Kelvington		✓	✓		✓			1	1	✓
Kerrobert	✓			✓	✓			✓	✓	✓
Kincaid		✓	✓			✓	✓		✓	✓
Kindersley	✓			✓	✓			✓	✓	✓
Kinistino	✓			✓	✓			✓	✓	✓
Kipling		✓	✓			✓	✓		✓	✓
Kyle	✓			1	✓			1	✓	✓
La Loche	✓			✓	✓			✓	✓	✓
La Ronge	✓			✓	✓			✓	✓	✓
Lafleche		✓	✓			✓	✓		1	✓
Lampman		✓	✓			✓	✓		✓	✓
Langenburg		✓	✓		✓			1	✓	✓
Langham	✓			✓	✓			1	✓	✓
Lanigan	✓			1	✓			✓	✓	✓
Lashburn	✓			1	✓			✓	✓	✓
Leader		✓	✓			✓	✓		✓	✓
Leask	✓			1	✓			✓	✓	✓
Lemberg		✓	✓			✓	✓		✓	✓
Leoville	✓			✓	✓			✓	✓	✓
Lestock		✓	✓		✓			✓	✓	✓
Lloydminster	✓			✓	✓			✓	✓	✓
Loon Lake	✓			✓	✓			✓	✓	✓
Lucky Lake	✓			✓	✓			✓	√	✓
Lumsden		✓	✓			✓	✓		✓	✓
Luseland	✓			✓	✓			✓	✓	✓
Macklin	✓			✓	✓			✓	✓	✓
Maidstone	✓			✓	✓			✓	✓	✓
Mankota		✓	✓			✓	✓		✓	✓
Maple Creek		✓	✓			✓	✓		✓	✓
Marquis		✓	✓			✓	✓		✓	✓
Marshall	✓			✓	✓			✓	✓	✓
Maryfield		✓	✓			✓	✓		✓	✓
Maymont	✓			✓	✓			✓	✓	✓
Meacham	✓			✓	✓			✓	✓	✓
Meadow Lake	✓			✓	✓			✓	✓	✓
Meath Park	✓			✓	✓			✓	✓	✓

Options		1	2	2	;	3		4	į	5
Exchange Area	306	New	306	New	306	New	306	New	306	New
Melfort	✓			✓	1			✓	✓	✓
Melville		√	✓		1			✓	✓	✓
Meota	✓			✓	✓			✓	✓	✓
Midale		✓	✓			✓	✓		✓	✓
Milestone		✓	✓			✓	✓		✓	✓
Montmartre		1	✓			1	✓		✓	✓
Moose Jaw		1	✓			✓	✓		✓	✓
Moosomin		√	✓			✓	✓		✓	✓
Morse		1	✓			1	✓		✓	✓
Mortlach		1	✓			✓	✓		✓	✓
Mossbank		✓	✓			✓	✓		✓	✓
Naicam	√			1	1			✓	✓	✓
Neidpath		1	✓			✓	✓		✓	✓
Neilburg	✓			1	1			✓	✓	✓
Neville		✓	✓			✓	✓		✓	✓
Nipawin	√			1	1			1	✓	✓
Nokomis		✓	✓			✓	✓		✓	✓
Norquay		✓	✓		✓			✓	✓	✓
North Battleford	✓			✓	✓			✓	✓	✓
North Portal		✓	✓			✓	✓		✓	✓
Odessa		1	✓			✓	✓		✓	✓
Osler	✓			✓	✓			✓	✓	✓
Outlook	✓			✓	1			✓	√	✓
Oxbow		✓	✓			✓	✓		✓	✓
Paddockwood	✓			✓	✓			✓	✓	✓
Pangman		✓	✓			✓	✓		✓	✓
Paradise Hill	✓			✓	✓			✓	✓	✓
Patuanak	✓			✓	✓			✓	✓	✓
Pelican Narrows	✓			✓	✓			✓	✓	✓
Pelly		✓	✓		✓			✓	✓	✓
Pennant		✓	✓			✓	✓		✓	✓
Pense		V	✓			1	1		✓	✓
Perdue	✓			✓	1			1	✓	✓
Pierceland	✓			✓	✓			✓	✓	✓
Pinehouse	✓			✓	1			✓	✓	✓
Plenty	✓			✓	✓			✓	✓	✓
Ponteix		✓	✓			✓	✓		✓	✓
Porcupine Plain	✓			✓	1			✓	✓	✓
Preeceville		✓	✓		1			✓	✓	✓
Prince Albert	✓		Ĺ	✓	✓	L	L	✓	✓	✓
Prudhomme	✓			✓	✓			✓	✓	✓
Punnichy		✓	✓			✓	✓		✓	✓

Exchange Area Section Section	Options		1	2	2	;	3		4	į	5
Radisson	Exchange Area	306	New	306	New	306	New	306	New	306	
Quill Lake Y W Y	Qu'Appelle		✓	✓			✓	✓		✓	✓
Radisson Y<		✓			✓	✓			✓	✓	✓
Radville V<		✓			✓	✓			✓	✓	✓
Raymore V </td <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td>			✓	✓			✓	✓		✓	✓
Redvers V </td <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td>			✓	✓			✓	✓		✓	✓
Regina V <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td>			✓	✓			✓	✓		✓	✓
Regina Beach			✓	✓			✓	✓		✓	✓
Rhein			1	✓			✓	✓		✓	✓
Riceton			1	✓		1			1	√	✓
Rockglen V<			1	✓			✓	✓		✓	✓
Rose Valley			✓	✓			✓	✓		✓	✓
Rosetown V<			✓	✓		1			1	√	✓
Rosthern V<		1			1				1	✓	✓
Rouleau V </td <td></td> <td>_</td> <td></td> <td></td> <td>1</td> <td>_</td> <td></td> <td></td> <td></td> <td>√</td> <td>✓</td>		_			1	_				√	✓
Saltcoats V			✓	✓			✓	✓		✓	√
Sandy Bay V			✓	✓		1			1	✓	✓
Saskatoon V		1			1					✓	✓
Semans V <td></td> <td>_</td> <td></td> <td></td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>√</td>		_			+					✓	√
Shaunavon Y			✓	✓			✓	✓		✓	✓
Shellbrook ✓			✓	✓			✓	✓		✓	✓
Smeaton ✓ </td <td></td> <td>1</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>√</td>		1			✓	✓			✓	✓	√
Southend ✓<		1			1	1			1	✓	✓
Southey ✓ </td <td></td> <td></td> <td></td> <td></td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>✓</td>					+					✓	✓
Speers V <td></td> <td></td> <td>1</td> <td>1</td> <td></td> <td>-</td> <td>✓</td> <td>✓</td> <td>-</td> <td>✓</td> <td>√</td>			1	1		-	✓	✓	-	✓	√
Spiritwood ✓			✓	✓			✓	✓		✓	✓
Springside ✓			✓	✓			✓	✓		✓	✓
St. Louis ✓			✓	✓		✓			✓	✓	√
St. Walburg ✓ <td< td=""><td></td><td>1</td><td></td><td></td><td>✓</td><td>✓</td><td></td><td></td><td>✓</td><td>✓</td><td>√</td></td<>		1			✓	✓			✓	✓	√
Stanley Mission ✓		1			1	√			√	√	✓
Stony Rapids ✓ <t< td=""><td></td><td>1</td><td></td><td></td><td>1</td><td>✓</td><td></td><td></td><td>✓</td><td>✓</td><td></td></t<>		1			1	✓			✓	✓	
Stoughton ✓		1			1	√			✓	✓	✓
Strasbourg ✓			1	✓			✓	✓		✓	✓
Sturgis ✓ </td <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td>			✓	✓			✓	✓		✓	✓
Swift Current ✓ <			/	✓		✓			✓	✓	✓
Theodore ✓<			1	✓			✓	✓		✓	✓
Tisdale ✓ </td <td></td> <td></td> <td>/</td> <td>✓</td> <td></td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td>			/	✓		✓			✓	✓	✓
Torquay ✓ </td <td></td> <td>1</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td>		1			✓	✓			✓	✓	✓
Tribune ✓ </td <td>Torquay</td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td>	Torquay		✓	✓			✓	✓		✓	✓
Turnor Lake ✓ <td< td=""><td>Tribune</td><td></td><td>/</td><td>✓</td><td></td><td></td><td>✓</td><td>✓</td><td></td><td>✓</td><td>✓</td></td<>	Tribune		/	✓			✓	✓		✓	✓
Turtleford		1			1	✓			✓	✓	✓
		1			1	✓			✓	✓	✓
COUNTY IT I I IT IT IT IT IT IT IT	Unity	1			1	1			1	1	1

Options		1	2	2	;	3		4		5
Exchange Area	306	New	306	New	306	New	306	New	306	New
Uranium City	✓			✓	✓			✓	✓	✓
Val Marie		✓	✓			✓	✓		✓	✓
Vanguard		✓	✓			✓	✓		✓	✓
Vonda	✓			✓	✓			✓	✓	✓
Wadena		✓	✓		✓			✓	✓	✓
Wakaw	✓			✓	✓			✓	✓	✓
Waldheim	✓			✓	✓			✓	✓	✓
Waskesiu Lake	✓			✓	✓			✓	✓	✓
Watrous	✓			✓	✓			✓	✓	✓
Watson	✓			✓	✓			✓	✓	✓
Wawota		✓	✓			✓	✓		✓	✓
Webb		✓	✓			✓	✓		✓	✓
Weyburn		✓	✓			✓	✓		✓	✓
Whitewood		✓	✓			✓	✓		✓	✓
Wilcox		✓	✓			✓	✓		✓	√
Wilkie	✓			✓	✓			✓	✓	✓
Wollaston Lake	✓			✓	✓			✓	✓	✓
Wolseley		✓	✓			✓	✓		✓	✓
Wynyard		✓	✓		✓			✓	✓	✓
Yellow Creek	✓			✓	✓			✓	✓	✓
Yellow Grass		✓	✓			✓	✓		✓	✓
Yorkton		✓	✓		✓			✓	✓	✓

Table 2 – Exchange Areas in each LIR

LIR	Exchange Name	Remarks
Moose Jaw	Assiniboia	
Moose Jaw	Bengough	
Moose Jaw	Briercrest	
Moose Jaw	Central Butte	
Moose Jaw	Coderre	
Moose Jaw	Coronach	
Moose Jaw	Eyebrow	
Moose Jaw	Gravelbourg	
Moose Jaw	Kincaid	
Moose Jaw	Lafleche	
Moose Jaw	Mankota	
Moose Jaw	Marquis	
Moose Jaw	Moose Jaw	
Moose Jaw	Mortlach	
Moose Jaw	Mossbank	
Moose Jaw	Rockglen	
North Battleford	Beauval	
North Battleford	Buffalo Narrows	
North Battleford	Canoe Narrows	
North Battleford	Cut Knife	
North Battleford	Dillon	
North Battleford	Edam	
North Battleford	Elrose	
North Battleford	Eston	
North Battleford	Glaslyn	
North Battleford	Goodsoil	
North Battleford	Green Lake	
North Battleford	Ile-A-La-Crosse	
North Battleford	Kerrobert	
North Battleford	Kindersley	
North Battleford	Kyle	
North Battleford	La Loche	
North Battleford	Lashburn	
North Battleford	Lloydminster	
North Battleford	Loon Lake	
North Battleford	Luseland	
North Battleford	Macklin	
North Battleford	Maidstone	
North Battleford	Marshall	
North Battleford	Maymont	
North Battleford	Meadow Lake	

LIR	Exchange Name	Remarks
North Battleford	Meota	
North Battleford	Neilburg	
North Battleford	North Battleford	
North Battleford	Paradise Hill	
North Battleford	Patuanak	
North Battleford	Pierceland	
North Battleford	Plenty	
North Battleford	Rosetown	
North Battleford	Speers	
North Battleford	St. Walburg	
North Battleford	Turnor Lake	
North Battleford	Turtleford	
North Battleford	Unity	
North Battleford	Wilkie	
Prince Albert	Big River	
Prince Albert	Birch Hills	
Prince Albert	Canwood	
Prince Albert	Carrot River	
Prince Albert	Christopher Lake	
Prince Albert	Creighton	
Prince Albert	Cumberland House	
Prince Albert	Fond Du Lac	
Prince Albert	Hudson Bay	
Prince Albert	Humboldt	
Prince Albert	Kinistino	
Prince Albert	La Ronge	
Prince Albert	Leask	
Prince Albert	Leoville	
Prince Albert	Meath Park	
Prince Albert	Melfort	
Prince Albert	Naicam	
Prince Albert	Nipawin	
Prince Albert	Paddockwood	
Prince Albert	Pelican Narrows	
Prince Albert	Pinehouse	
Prince Albert	Porcupine Plain	
Prince Albert	Prince Albert	
Prince Albert	Quill Lake	
Prince Albert	Sandy Bay	
Prince Albert	Shellbrook	
Prince Albert	Smeaton	
Disco Alles		Southend DMS remote sharing CO
Prince Albert	Southend	Code 306/758 Thousand Block with

LIR	Exchange Name	Remarks
		Kinoosao community served by a
		Mitel Switch - Not LNP Capable *
Prince Albert	Spiritwood	
Prince Albert	St. Louis	
Prince Albert	Stanley Mission	
Prince Albert	Stony Rapids	
Prince Albert	Tisdale	
Prince Albert	Uranium City	Mitel Switch - Not LNP Capable
Prince Albert	Waskesiu Lake	
Prince Albert	Watson	
Prince Albert	Wollaston Lake	
Prince Albert	Yellow Creek	
Regina	Avonlea	
Regina	Balcarres	
Regina	Balgonie	
Regina	Bethune	
Regina	Broadview	
Regina	Craik	
Regina	Cupar	
Regina	Davidson	
Regina	Earl Grey	
Regina	Fort Qu'Appelle	
Regina	Francis	
Regina	Grenfell	
Regina	Holdfast	
Regina	Imperial	
Regina	Indian Head	
Regina	Kipling	
Regina	Lemberg	
Regina	Lumsden	
Regina	Maryfield	
Regina	Milestone	
Regina	Montmartre	
Regina	Moosomin	
Regina	Nokomis	
Regina	Odessa	
Regina	Pense	
Regina	Punnichy	
Regina	Qu'Appelle	
Regina	Raymore	
Regina	Regina	
Regina	Regina Beach	
Regina	Riceton	

LIR	Exchange Name	Remarks
Regina	Rouleau	
Regina	Semans	
Regina	Southey	
Regina	Strasbourg	
Regina	Wawota	
Regina	Whitewood	
Regina	Wilcox	
Regina	Wolseley	
Saskatoon	Aberdeen	
Saskatoon	Allan	
Saskatoon	Alvena	
Saskatoon	Asquith	
Saskatoon	Beechy	
Saskatoon	Biggar	
Saskatoon	Blaine Lake	
Saskatoon	Borden	
Saskatoon	Bruno	
Saskatoon	Colonsay	
Saskatoon	Cudworth	
Saskatoon	Dalmeny	
Saskatoon	Delisle	
Saskatoon	Dinsmore	
Saskatoon	Duck Lake	
Saskatoon	Dundurn	
Saskatoon	Hafford	
Saskatoon	Hague	
Saskatoon	Hanley	
Saskatoon	Hepburn	
Saskatoon	Langham	
Saskatoon	Lanigan	
Saskatoon	Lucky Lake	
Saskatoon	Meacham	
Saskatoon	Osler	
Saskatoon	Outlook	
Saskatoon	Perdue	
Saskatoon	Prudhomme	
Saskatoon	Radisson	
Saskatoon	Rosthern	
Saskatoon	Saskatoon	
Saskatoon	Vonda	
Saskatoon	Wakaw	
Saskatoon	Waldheim	
Saskatoon	Watrous	

LIR	Exchange Name	Remarks
Swift Current	Cabri	
Swift Current	Climax	
Swift Current	Consul	
Swift Current	Eastend	
Swift Current	Frontier	
Swift Current	Gull Lake	
Swift Current	Herbert	
Swift Current	Hodgeville	
Swift Current	Leader	
Swift Current	Maple Creek	
Swift Current	Morse	
Swift Current	Neidpath	
Swift Current	Neville	
Swift Current	Pennant	
Swift Current	Ponteix	
Swift Current	Shaunavon	
Swift Current	Swift Current	
Swift Current	Val Marie	
Swift Current	Vanguard	
Swift Current	Webb	
Weyburn	Bienfait	
Weyburn	Carlyle	
Weyburn	Carnduff	
Weyburn	Estevan	
Weyburn	Fillmore	
Weyburn	Lampman	
Weyburn	Midale	
Weyburn	North Portal	
Weyburn	Oxbow	
Weyburn	Pangman	
Weyburn	Radville	
Weyburn	Redvers	
Weyburn	Stoughton	
Weyburn	Torquay	
Weyburn	Tribune	
Weyburn	Weyburn	
Weyburn	Yellow Grass	
Yorkton	Calder	
Yorkton	Canora	
Yorkton	Churchbridge	
Yorkton	Esterhazy	
Yorkton	Foam Lake	
Yorkton	Invermay	

LIR	Exchange Name	Remarks
Yorkton	Ituna	
Yorkton	Kamsack	
Yorkton	Kelvington	
Yorkton	Langenburg	
Yorkton	Lestock	
Yorkton	Melville	
Yorkton	Norquay	
Yorkton	Pelly	
Yorkton	Preeceville	
Yorkton	Rhein	
Yorkton	Rose Valley	
Yorkton	Saltcoats	
Yorkton	Springside	
Yorkton	Sturgis	
Yorkton	Theodore	
Yorkton	Wadena	
Yorkton	Wynyard	
Yorkton	Yorkton	

^{*} Southend Exchange Area is served by DMS technology capable of number portability and equal access, however a remote Kinoosao community served by a satellite Mitel switch (not capable of number portability) is sharing the 3000 Block of NPA/NXX 306/758 of Southend.

PLANNING DOCUMENT - ANNEX B 13 JULY 2011

Table 3 – Suitability of Future Canadian Geographic NPAs for the relief of NPA 306

			Status of NXXs corresponding to Future NPAs																											
		F												utur	e Ca	nac	lian	NP	As											
Current		P2	P2 P2		P1	P1	P2	P2	P2	P1	P2	P1	P1	P1	P1	P2	P2	P2	P2	P2	P2	P2	P2	P2	P1	P1	P1	P1	P1	P1
Cdn N	NPA	236	257	263	273	354	367	368	382	387	428	437	460	468	474	487	537	548	568	584	639	672	683	742	753	825	851	871	879	942
306	SK	ı	ı	I	1	Ι	ı	I	I	I	ı	F	_	ı	F	_	Ι	I	F	ı	F	I	I	I	I	ı	F	F	F	F
Key	Key																													
Α	Assi	signed																												
F	Not	available CO Code - Future NPA																												
F		Not available CO Code - Future NPA - except when available per note 4																												
ı	In-S	Service																												
L	Tem	mporarily Unavailable																												
P1		As reserved before March 2000 for relief of geographic nadian NPAs																												
P2		ditional pool of geographic NPAs the CRTC directed NPA to set aside for Canada, per 2 March 2000 letter																												

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NPA306 RELIEF IMPLEMENTATION PLAN (RIP)

13 July 2011		
DATE of RPC Cons	sensus: 13 July 2011	
TITLE:	NPA 306 Relief Implementation Plan (RIP)	
DISTRIBUTION:	CRTC	_
ISSUED BY:	NPA 306 Relief Planning Committee (RPC)	

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NPA 306 Relief Implementation Plan (RIP)

1. INTRODUCTION

This Relief Implementation Plan (RIP) was developed in accordance with the Canadian NPA Relief Planning Guidelines. This RIP is a set of activities and deliverables established by the Relief Planning Committee (RPC) that are required to provide relief to the exhausting NPA. The objective of the NPA Relief Planning Process is to ensure an adequate supply of Central Office (CO) Codes and telephone numbers is always available to the Canadian telecommunications industry and users.

Purpose of RIP

The purpose of this RIP is to establish a framework and timeframe for implementing relief for NPA 306. This RIP addresses the:

- 1) introduction of mandatory 10-digit dialling for all local calls originating within the NPA 306 region prior to the introduction of new NPA Code 639.
- 2) implementation of new NPA Code 639 as a distributed overlay to the NPA 306 region.

This RIP contains a Relief Implementation Schedule (see Section 4), Consumer Awareness Program (CAP) (see Attachment 1) and Network Implementation Plan (NIP) (see Attachment 2).

This RIP addresses the activities, deliverables, and events impacting more than one individual Telecommunications Service Provider (TSP). It does not cover activities internal to each TSP. Attachment 3, Individual Telecommunications Service Provider Responsibilities, provides a list of activities that each TSP will need to address in its own network, systems and business operations.

In addition, this RIP does not cover issues for which there is already an established process for coordination between TSPs to establish service (e.g., interconnection agreements between carriers).

Telecom Notice of Public Consultation CRTC 2011-260

On 19 April 2011, the CRTC issued Telecom Notice of Consultation CRTC 2011-260, Establishment of a CISC ad hoc committee for area code relief planning for area code 306 in Saskatchewan, in which it established a CRTC Interconnection Steering Committee ad hoc relief planning committee (RPC) to examine options for providing relief to area code 306 in Saskatchewan. The Commission identified that the CNA had declared a Jeopardy Condition for area code 306 and that area code 306 was projected to exhaust within twenty-five (25) months. The Notice of Consultation also stated:

"The Commission considers that due to the jeopardy condition in area code 306, code conservation measures to extend the life of that area code must be implemented immediately. In particular, the jeopardy condition measures outlined in the Guidelines must be followed until i) the 306 RPC develops a jeopardy condition plan specific to area code 306 and ii) this plan is approved by the Commission.

The Commission notes that, in the event of any special circumstances in area code 306, the earliest relief implementation date determined by the 306 RPC may be after the Projected Exhaust Date (PED). If this occurs, the Commission directs the 306 RPC to make recommendations on the specific code conservation measures that should be taken to move the PED so that it coincides with, or falls after, the scheduled relief implementation date. In addition, the Commission directs the 306 RPC to set aside three CO codes from area code 306 to be made available for new entrants only, and to ensure that those CO codes remain unassigned, other than to new entrants, for a period of two years after the introduction of the new area code in Saskatchewan."

When the April 2011 J-NRUF results were adjusted by the Code Conservation Measures proposed by the RPC the PED was moved out to August 2013.

In the event that circumstances change after the date when the Commission approves this RIP, the RPC may propose modifications to this RIP as necessary.

Planning Document (PD)

The RPC has developed this RIP in accordance with the recommendations contained in the Planning Document (PD) and the Jeopardy Contingency Plan (JCP) which was submitted to the CRTC in TIF Report 306RE01A on 14 June 2011. In an effort to expedite the process, due to the Jeopardy Condition in NPA 306, the RIP & PD are being jointly submitted to the CRTC for approval.

The PD recommended relief as follows:

"Based on the assessment of Relief Options and other issues contained in this document, the RPC submits the following recommendations to the CISC and CRTC:

- 1) The Relief Method should be a distributed overlay of a new NPA Code on Saskatchewan NPA 306;
- 2) NPA Code 639 should be the Relief NPA Code:
- The Relief Date should be 25 May 2013 in order to provide Carriers and customers with advanced notification and sufficient lead-time to implement relief;
- 4) The local dialling plan should be changed to 10 digits for all local calls within NPA 306 and from NPA 306 to adjacent NPA 204/431 (Creighton SK to Flin Flon MB), NPA 701 (North Portal SK to Portal ND) and NPA 780/587 (Lloydminster and Marshall SK to Lloydminster AB):
- 5) A 7- to 10-digit dialling transition period should be implemented commencing on 25 February 2013, with network announcements on calls dialled using 7 digits phased in over one week between 25 February 2013 and 4 March 2013.
- 6) Mandatory 10-digit local dialling should be implemented commencing on 11 May 2013, with network announcements on calls dialled using 7 digits phased in over one week between 11 May 2013 and 18 May 2013; and

7) Standard network announcements should be implemented commencing on 26 August 2013 and completed within one month by 26 September 2013."

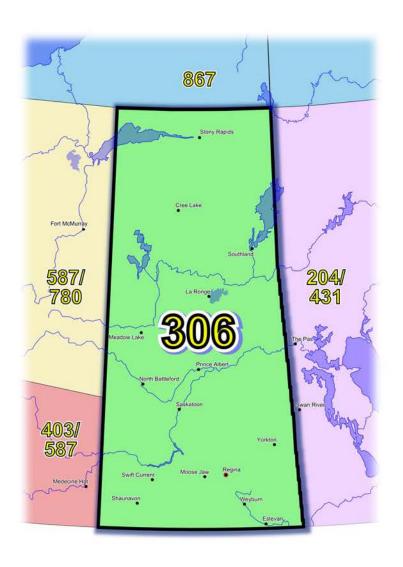
RIP Recommendations:

In accordance with the CRTC direction contained in Telecom Regulatory Policy CRTC 2009-156, section 13, regarding dialling plan changes, the RPC notes that the Commission has retained the general obligation for all relevant Telecommunications Service Providers (TSPs) to inform all customers about dialling plan changes; however, TSPs may determine the appropriate methods to inform their customers.

All Carriers must modify their network to permit 10-digit local dialling on a permissive basis in addition to 7-digit local dialling by 25 February 2013. This is required to ensure that the Consumer Awareness Task Force take this into account when advising their customers when to change their dialling habits to 10-digits and also to provide a date for special telecommunications service users, such as alarm companies, when 10-digit dialling will be provided across the entire NPA 306 network area.

Map of NPA 306

A map showing NPA 306 is on the following page. The 306 area code consists of 228 Exchange Areas serving the province of Saskatchewan which includes the major communities of Assiniboia, Esterhazy, Estevan, Humboldt, Kindersley, Maple Creek, Melfort, Melville, Moose Jaw, Moosomin, Nipawin, North Battleford, Outlook, Prince Albert, Regina, Rosetown, Saskatoon, Swift Current, Weyburn and Yorkton.



Dial Plan Impacts

Currently the dialling for local calls within NPA 306 and across its boundaries is as follows:

- 7-digit dialling for local calls within NPA 306;
- in addition to providing 7-digit dialling for local calls from NPA 306, some TSPs permit 10-digit dialling, or 10- and 11-digit dialling;
- 7-digit dialling for local calls from NPA 306 Creighton SK to Flin Flon MB in adjacent NPA 204/431;
- 10-digit dialling for local calls from adjacent NPA 204/431 to NPA 306 Flin Flon MB to Creighton SK, effective 20 October 2012;
- 7-digit dialling for local calls from NPA 306 Lloydminster and Marshall SK to Lloydminster AB in adjacent NPA 780/587;
- 10-digit dialling for local calls from adjacent NPA 780/587 to NPA 306 Lloydminster AB to Lloydminster and Marshall SK;
- 7-digit dialling for local calls from NPA 306 North Portal SK to Portal ND in adjacent NPA 701; and,
- 7-digit dialling for local calls from adjacent NPA 701 to NPA 306 Portal ND to North Portal SK.

NPA relief will have the following impacts on dialling for local calls originated in the NPA 306 area:

 All existing 7-digit dialling will be eliminated and 10-digit local dialling will become mandatory.

The table below identifies the modifications to the dialling plan for local calls originating within the NPA 306 area under the overlay relief option.

Local Dialling Plan for Customers in NPA 306 & New NPA

Dial Plan Scenarios	Today	After Overlay
Landline to Wireless within NPA	7-digits	10-digits*
Landline to Wireless from NPA 306 to	7-digits	10-digits
adjacent NPAs		
Landline to Landline within NPA	7-digits	10-digits*
Landline to Landline from NPA 306 to	7-digits	10-digits
adjacent NPAs		
Wireless to Wireless/Landline within NPA	7/10/11-	10/11-digits
	digits	
Wireless to Wireless/Landline from	10/11-digits	10/11-digits
NPA 306 to adjacent NPAs		

^{*}SaskTel has indicated that there may be issues implementing 10-digit local dialing in two remote communities in northern Saskatchewan due to technological limitations of the Mitel equipment serving the areas. This problem affects the Exchange of Uranium City and the Community of Kinoosao which is in the Southend Exchange.

2. NPA RELIEF PLANNING PROCESS

NPA Relief Planning is conducted under the regulatory oversight of the Commission in accordance with the Canadian NPA Relief Planning Guidelines. Those Guidelines were developed by the Canadian Steering Committee on Numbering (CSCN), accepted by the CISC and approved by the Commission.

The Canadian NPA Relief Planning Guidelines and related information on relief planning may be obtained from the www.cnac.ca web site. The CISC operates under the CISC Administrative Guidelines that may be obtained from the Commission web site (see www.crtc.gc.ca).

For each NPA projected to exhaust within a 72 month time period, the Commission informs the public that an RPC, chaired by the CNA, will be formed as an Ad Hoc Working Group of the CISC to do relief planning for the exhausting NPA. Any interested party may participate in the relief planning process. All RPCs operate as open public forums. Any party wanting to participate in this process is encouraged to visit the above web sites to obtain information on the process and schedule of events and activities. Any questions regarding the relief planning process may be directed to the CNA as follows:

Contact: Glenn Pilley
Telephone: 613-683-3289
Facsimile: 613-563-9293

E-mail: pilleyg@saiccanada.com Address: CNA – SAIC Canada

> Suite 1516 - 60 Queen Street Ottawa, Ontario, Canada K1P 5Y7

Individual TSPs are responsible for their own activities to implement relief (see Attachment 3). Each TSP employs a variety of information and operation support systems for the operation, maintenance, control, and administration of its network and to serve its customers. Each TSP is responsible to make the necessary changes in its systems in order to operate in the new environment and specifically to process the full 10-digit telephone number of each subscriber. Each TSP is responsible to ensure its customers are informed and implement the changes necessary to support the relief activity. Also, each TSP is responsible to ensure its own suppliers of products and services (e.g., Operator Services) implement the changes necessary to support the relief activity. Accordingly, no activities have been identified for the coordination of these functions between different TSPs, except as otherwise provided for in this RIP (e.g., Consumer Awareness Program (CAP) and Network Implementation Plan (NIP)).

Individual TSPs and industry database owners/operators shall advise Commission staff of any concerns or problems as they arise with respect to modifying their systems and databases in time to implement relief in accordance with this RIP.

3. PROPOSED NPA RELIEF IMPLEMENTATION TASK FORCE(S)

The RPC developed this RIP with the assistance and input of two Task Forces created by the RPC:

- 1) Consumer Awareness Task Force (CATF), and
- 2) Network Implementation Task Force (NITF)

The CNA sent an e-mail to all current and prospective Code Holders in the affected NPA requesting those entities to provide a contact name to the Co-chairs of the two Task Forces (with a courtesy copy to Commission staff). Independent telephone companies may choose to represent themselves or to be represented by their associations.

Each Task Force has at least one voluntary Co-chair. The Co-chairs of the CATF and NITF act as the single point of contact and spokespersons for their respective Task Forces. The Co-chairs maintain the list of participants on their Task Forces as confidential. All TSPs operating in the affected NPAs have a participant on each of the Task Forces.

The two Task Forces have developed and submitted separate but coordinated plans for their respective activities:

- 1) Consumer Awareness Program (CAP), and
- 2) Network Implementation Plan (NIP).

Individual TSPs are expected to develop individual consumer awareness programs and network implementation plans within the parameters of the CAP and NIP contained in this RIP. The CATF and NITF will meet periodically to perform their industry level functions identified in this RIP. The RPC will provide oversight and coordination of the CATF and NITF in accordance with the RIP.

Consumer Awareness Task Force (CATF)

The purpose of the CATF is to develop a comprehensive and consistent consumer awareness program for relief activities in this NPA, and to forward it to the CISC by the due date in the Relief Implementation Schedule.

To develop a CAP, the RPC created a CATF. Each TSP operating in this NPA is requested to provide the name of a representative to serve on the CATF. The CATF is Co-chaired by volunteer participants of the CATF. The Co-chairs of the CATF compile, maintain and distribute the list of all representatives on the CATF to the CATF distribution list (i.e., contact name, title, telephone number, mobile telephone number, fax number, street address, e-mail address), including the CNA.

Purpose and Mandate

The responsibilities of the CATF include, but are not limited to:

- 1) Develop and agree on a CAP and schedule;
- 2) Develop and submit progress reports;
- 3) Identify and address CAP issues:
- 4) Act as single point of contact on CAP issues; and,
- 5) Identify any consumer concerns or issues regarding the implementation of relief and advise the RPC, the Commission or Commission staff as appropriate.

The role of the individual CATF representative of each TSP is to ensure that its TSP organization develops, submits and implements its individual consumer awareness program in accordance with the CAP and associated schedule. Each representative acts as the single point of contact with respect to implementation of the CAP and activities for its organization. Each TSP is responsible for developing, submitting and implementing its individual consumer awareness program in accordance with the industry level CAP.

All TSPs shall provide progress reports to the CATF for submission to the RPC in accordance with the Relief Implementation Schedule.

Individual TSPs should notify the CATF, or Commission staff, or the Commission, as appropriate, if there are any problems or concerns with respect to their individual CAP activities to implement relief in accordance with this RIP.

The recommended CAP is attached to this RIP (see Attachment 1).

Network Implementation Task Force (NITF)

The purpose of the NITF is to develop a Network Implementation Plan (NIP) to be submitted to the CISC. This complies with the Canadian NPA Relief Planning Guidelines.

Each TSP operating in this NPA is requested to provide the name of a representative to serve on the NITF. The NITF is Co-chaired by volunteer participants of the NITF. The Co-chairs of the NITF compile, maintain and distribute the list of all representatives on the NITF to the NITF distribution list (i.e., contact name, title, telephone number, mobile telephone number, fax number, street address, e-mail address), including the CNA.

Purpose and Mandate

The role of the NITF is to identify and address network implementation issues that affect all carriers. The responsibilities of the NITF include, but are not limited to:

- 1) Develop and agree on a NIP and schedule;
- 2) Develop and submit progress reports;
- 3) Identify and address NIP issues;
- 4) Act as single point of contact on NIP issues;
- 5) Identify any network concerns or issues regarding the implementation of relief and advise the RPC, the Commission or Commission staff as appropriate; and,
- 6) Develop inter-network test plans, as necessary.

The role of the individual NITF representative of each TSP is to ensure that its TSP organization develops, submits and implements its individual network implementation plan in accordance with the NIP and associated schedule. Each representative acts as the single point of contact for implementation of the NIP and activities for its organization. Each TSP is responsible to develop, submit and implement its individual NIP in accordance with the industry level NIP.

All TSPs shall provide progress reports to the NITF for submission to the RPC in accordance with the Relief Implementation Schedule.

Test Plans and Tests shall be arranged on a bilateral basis between interconnecting TSPs in accordance with bilateral agreements and the Relief Implementation Schedule.

Individual TSPs and industry database owners/operators (e.g., Canadian Local Number Portability Consortium) should notify the NITF, or Commission staff, or the Commission, as appropriate, if there are any problems or concerns with modifying their systems and databases in time to implement relief in accordance with this RIP.

The recommended NIP is attached to this RIP (see Attachment 2).

4. PROPOSED NPA RELIEF IMPLEMENTATION SCHEDULE

The following table identifies the major implementation activities, deliverables and associated dates based upon the tasks identified in the Canadian NPA Relief Planning Timeline as well as major events in both the CAP and NIP. All TSPs and telecommunications service users should plan their internal relief activities in accordance with the following Relief Implementation Schedule.

RELIEF IMPLEMENTATION SCHEDULE For a Distributed Overlay of new NPA 639 over NPA 306

Item	Task or Event	PRIME	START	END
1	CNA identifies NPA exhaust and notifies by e-mail CRTC staff, CSCN, NANPA & CISC that the NPA will exhaust within 25 months and NPA is in Jeopardy Condition	CNA		29-Mar-11
2	CNA conducts first J-NRUF (April 2011 J-NRUF)		29-Mar-11	10-May-11
3	CRTC issues Telecom Notice of Consultation (CRTC 2011-260) regarding establishment of relief planning for area code 306	CRTC		19-Apr-11
4	CNA announces the date for the initial NPA Relief Planning face-to-face meeting & requests contributions	CNA		25-Apr-11
5	CNA develops and distributes IPD to RPC	CNA	19-Apr-11	18-May-11
6	RPC participants review IPD & submit contributions to RPC	RPC	18-May-11	30-May-11
7	CNA chairs initial RPC meeting to start development of PD, RIP & PL, & schedules future meetings/conference calls including creation & consultation with CATF and NITF	CNA, RPC	31-May-11	01-Jun-11
8	CNA chairs subsequent RPC meetings/conference calls to finalize PD & RIP	CNA, RPC	01-Jun-11	13-Jul-11
9	Special Types of Telecommunications Service Users (9-1-1 PSAPs, alarm companies, ISPs, paging companies, etc.) to identify any concerns to RPC & CRTC	Special Users		28-Jun-11
10	CNA forwards Planning Document (PD) and, possibly, RIP to the CISC and CRTC for approval	CNA		13-Jul-11
11	CRTC issues Telecom Decision approving the Relief Method, Relief Date, New NPA & Relief Implementation Plan (RIP)	CRTC		02-Sep-11
12	Task Forces, Telecommunications Service Providers (TSPs) and users implement relief (starts at CRTC approval of Relief Method & Date and ends on Relief Date)	TSPs	02-Sep-11	25-May-13
13	All TSPs to develop and file individual consumer awareness programs with the CRTC (may be done collectively by Telecommunications Alliance) (starts at CRTC approval of RIP and should be completed about 18 months prior to the Relief Date)	TSPs	02-Sep-11	24-Nov-11
14	CNA issues media release (in coordination with Telecommunications Alliance) (may start upon CRTC approval of RIP and should be issued at least 18 months prior to the Relief Date)	CNA	02-Sep-11	24-Nov-11
15	CNA submits PL and RIP to NANPA (should be submitted at least 18 months prior to the Relief Date)	CNA		24-Nov-11
16	NANPA receives and posts Planning Letter to NANPA website (within 2 weeks of receipt from the	NANPA	24-Nov-11	08-Dec-11

Item	Task or Event	PRIME	START	END
	CNA)			
17	All TSPs implement consumer awareness activities (starts upon filing of Consumer Awareness Programs with the CRTC and is completed on the Relief Date)	TSPs	24-Nov-11	25-May-13
18	All TSPs to notify all customers (including residence, business & special customers) of the need to transition from 7D to 10D dialling and the new overlay NPA (may start with the filing of Consumer Awareness Programs with the CRTC and all customers should be notified at least 18 months prior to the Relief Date)	TSPs	02-Sep-11	24-Nov-11
19	TSPs to submit Progress Report #1 to NITF and CATF (starts after completion date for all TSPs to notify their customers and requires 2 weeks)	TSPs	24-Nov-11	08-Dec-11
20	NITF and CATF develop & submit Progress Report #1 to RPC (linked to TSP reports to NITF and CATF)	NITF & CATF	08-Dec-11	22-Dec-11
21	RPC submits Progress Report #1 to CISC/CRTC (linked to NITF and CATF reports)	RPC	22-Dec-11	08-Jan-12
22	Telcordia TRA database updates to add Exchanges to new overlay NPA (starts on the date that the PL is posted to the NANPA web site and must be completed by 6 months prior to the Relief Date)	Telcordia TRA	08-Dec-11	23-Nov-12
23	All Telecommunications Service Users (including Special Users 9-1-1 PSAPs, alarm companies, ISPs, paging companies, etc.) to implement changes to their telecom equipment & systems to accommodate the new NPA (starts upon CRTC approval of RIP and ends on the Relief Date)	Telecom Service Users	02-Sep-11	25-May-13
24	Payphone Providers Reprogram Payphones (starts upon CRTC approval of RIP and ends on the Relief Date)	Payphone Providers	02-Sep-11	25-May-13
25	TSPs and database owners/operators to modify systems and industry databases (starts on CRTC approval of RIP and ends on the Relief Date)	TSPs & Database Owners	02-Sep-11	25-May-13
26	Operator Services & Directory Assistance Readiness (starts on CRTC approval of RIP and ends on the Relief Date)	TSPs	02-Sep-11	25-May-13
27	Directory Publisher Readiness for overlays (ability to identify the NPA in telephone numbers in the directory published after the Overlay NPA is activated) (starts upon CRTC approval of RIP and ends on the Relief Date)	Directory Publishers	02-Sep-11	25-May-13
28	9-1-1 PSAP Systems and Databases Readiness (starts on CRTC approval of RIP and ends on the Relief Date)	PSAPS & TSPs	02-Sep-11	25-May-13
29	9-1-1 TSP Readiness (starts on CRTC approval of RIP and ends on the Relief Date)	TSPs	02-Sep-11	25-May-13
30	ISCP & Service Order Systems Readiness (starts on CRTC approval of RIP and ends on the Relief Date)	TSPs	02-Sep-11	25-May-13
31	International Gateway Switch Translations Readiness for new NPA (starts on CRTC approval of RIP and ends on the Relief Date)	Int'l TSPs	02-Sep-11	25-May-13
32	Canadian Local Number Portability Consortium (CLNPC) Database Readiness for new NPA (starts on CRTC approval of RIP and ends on the Relief Date)	CLNPC & NPAC	02-Sep-11	25-May-13

Item	Task or Event	PRIME	START	END
33	Toll Free SMS Database Readiness for new NPA (starts on CRTC approval of RIP and ends on the Relief Date)	Toll TSPs	02-Sep-11	25-May-13
34	TSPs apply for Test CO Codes in new NPA (applications may be submitted no more than 6 months and no less than 66 days prior to the start date for the Inter-Carrier Testing Period) (Section 7.16.4 Canadian RP GL)	TSPs	27-Aug-12	21-Dec-12
35	Develop Inter-Carrier Network Test Plans and prepare for testing (individual TSPs to make arrangements in accordance with interconnection agreements) (may start upon CRTC approval of RIP and must be completed by start date for the Inter-Carrier Testing Period)	NITF & TSPs	02-Sep-11	25-Feb-13
36	All international and domestic TSPs must activate the new NPA in their networks by the start date for the Inter-Carrier Testing Period	TSPs		25-Feb-13
37	Date by which TSPs must route all calls using 10-digit signalling (i.e., cease use of 7-digit signalling) for local traffic sent to and received from other TSPs (must be completed by the start date for the Inter-Carrier Testing Period (TSPs may, but are not obligated to, negotiate special routing arrangements on a bilateral basis if required)	TSPs		25-Feb-13
38	Activation date for Overlay NPA Test CO Codes and Test Numbers in network (should be completed by the start date for the Inter-Carrier Testing Period)	TSPs		25-Feb-13
39	Inter-Carrier Testing Period (subject to Inter-Carrier Network Test Plans) (starts about 3 months prior to the start date for the 7- to 10-Digit dialling transition period, or about 3 months prior to the Relief Date and ends about 1 month after the Relief Date)	NITF & TSPs	25-Feb-13	24-Jun-13
40	Phase-in of 7- to 10-Digit Dialling Transition Period announcements (starts about 3 months prior to Relief Date)	TSPs	25-Feb-13	04-Mar-13
41	TSPs to submit Progress Report #2 to NITF and CATF (starts on commencement of Inter-Carrier Testing Period)	TSPs	25-Feb-13	11-Mar-13
42	NITF and CATF develop & submit Progress Report #2 to RPC (linked to TSP reports to NITF and CATF)	NITF & CATF	11-Mar-13	25-Mar-13
43	RPC submits Progress Report #2 to CISC/CRTC (linked to NITF and CATF reports)	RPC	25-Mar-13	08-Apr-13
44	Phase-in of mandatory 10 digit dialling announcements (occurs over 1 week and should be completed at least 1 week prior to Relief Date to address any problems that may arise)	TSPs	11-May-13	18-May-13
45	Relief Date (earliest date when CO Codes in new NPA may be activated)			25-May-13
46	TSPs submit Final Report to CATF and NITF (starts on Relief Date and provides 2 weeks for preparation & submission)	TSPs	25-May-13	08-Jun-13
47	NITF and CATF develop & submit Final Progress Report to RPC (linked to TSP reports to NITF and CATF)	NITF & CATF	08-Jun-13	22-Jun-13
48	RPC submits Final Progress Report to CISC/CRTC (linked to NITF and CATF reports)	RPC	22-Jun-13	06-Jul-13

Item	Task or Event	PRIME	START	END
49	TSPs disconnect Test Codes & Numbers, and submit Part 1 form to return Test Codes (starts 1 month after Relief Date and allows 1 month for completion)	TSPs	24-Jun-13	24-Jul-13
50	TSPs change Mandatory 10 digit Dialling Announcement to standard announcement (mandatory announcement is required for a minimum of 3 months) (removal starts about 3 months after Relief Date and must be completed within 1 month)	TSPs	26-Aug-13	26-Sep-13

All Carriers must modify their network to permit 10-digit local dialling on a permissive basis in addition to 7-digit local dialling by 25 February 2013. This is required to ensure that the Consumer Awareness Task Force take this into account when advising their customers when to change their dialling habits to 10-digits and also to provide a date for special telecommunications service users, such as alarm companies, when 10-digit dialling will be provided across the entire NPA 306 network area.

- Note 1: In the event that a new J-NRUF or actual demand indicates that the Projected Exhaust Date will change significantly, the CNA may convene a meeting of the NPA Relief Planning Committee to review the issue and make a recommendation to the CISC and CRTC.
- Note 2: In the event that the Projected Exhaust Date is delayed by greater than six months, the RPC recommends that the CNA advise the RPC of the change and immediately convene a conference call of the RPC to discuss and address the matter. The RPC shall conduct an assessment of whether any changes should be made to the Relief Implementation Plan and Schedule (e.g., changes in tasks, events, and dates including the Relief Date) and, if agreed, submit recommendations to the CRTC for consideration and approval.

5. OTHER ISSUES

Payphone Service Providers

All Payphone Service Providers are required to comply with the requirements contained in this RIP and Commission Decisions.

It is the responsibility of each Payphone Service Provider to update any system associated with the operation of their payphones in order to accommodate relief including the implementation of 10-digit local dialling. As well, each Payphone Service Provider must update any written instructions affixed to their payphones to advise customers that 10-digit dialling is required for local calls.

It is recommended that Commission staff notify Payphone Service Providers of the implementation of relief for this NPA, the new overlay NPA, and 10-digit local dialling.

Individual Payphone Service Providers should notify the Commission or Commission staff, as appropriate, if they have any problems or concerns.

Telecommunication Service Users

All users are required to comply with the requirements contained in this RIP and Commission Decisions.

Users of telecommunications services are required to make the necessary changes to their telecommunications systems and equipment in order to send and receive calls using 10-digit local dialling over the Public Switched Telephone Network (PSTN). Users include, but are not limited to, 9-1-1 Public Safety Answering Points (PSAPs), alarm companies, internet service providers, paging companies, owners of customer premises equipment, unified messaging service companies, governments, apartment building owners, meter readers and the general public. Users that may be impacted by the implementation of the permissive dialling announcement should complete all necessary changes prior to the beginning of the 7- to 10-Digit Dialling Transition Period for network announcements as identified in the Relief Implementation Schedule. TSPs should advise their customers that any automatic diallers or automatic call forwarding systems that are programmed to use 7-digit dialling must be reprogrammed to use 10-digit dialling by the introduction of the 7- to 10-Digit Dialling Transition Period announcement.

Any devices programmed to automatically dial 7 digits cannot be changed until SaskTel has implemented permissive 7/10 digit dialling in our wireline network. These devices must then be programmed to dial 10 digits before the network announcements are introduced.

Users of telecommunications services should notify their TSP and the Commission or Commission staff, as appropriate, if they have any problems or concerns with modifying their systems and databases in time to implement relief in accordance with this RIP.

Special Types of Telecommunication Service Users

Special types of Telecommunication Service Users (e.g., 9-1-1 Public Safety Answering Points (PSAPs), alarm companies, internet service providers, paging companies, owners

of customer premises equipment requiring modification, unified messaging service companies, governments, apartment building owners, hydro meter readers) must take appropriate measures to ensure that their services continue to function properly. All special types of Telecommunication Service Users are requested to co-ordinate their equipment and system modifications with their TSPs to implement the new overlay NPA. This is necessary to ensure a smooth and timely transition to 10-digit local dialling in the affected NPAs.

Alarm Service Providers

It is critically important that alarm service providers, make the necessary modifications to their systems, databases and terminal equipment after SaskTel has implemented permissive 10 digit dialling and prior to the 7- to10-Digit Dialling Transition Period start date in order to ensure continuity of service.

9-1-1 PSAPs

9-1-1 PSAPs must make any required changes to their systems and databases to accommodate the new overlay NPA and 10-digit local dialling. Individual 9-1-1 PSAP system operators shall identify specific problems or concerns to the Commission or Commission staff, as appropriate. It is critically important that 9-1-1 PSAPs make the required or necessary modifications to their systems, databases and terminal equipment after SaskTel has implemented permissive 10 digit dialling and prior to the 7- to10-Digit Dialling Transition Period start date in order to implement the new overlay NPA and ensure continuity of service.

Directories

All Directory Service Providers are required to comply with the requirements contained in this RIP and Commission Decisions.

It is the responsibility of Directory Service Providers to make the necessary changes to their systems and directories to facilitate the introduction of the new overlay NPA and 10-digit local dialling. All directory publishers should modify their systems to accept telephone numbers in the 10-digit format.

To facilitate the implementation of 10-digit local dialling, directories published before the Relief Date should identify the NPA associated with the telephone number.

After the implementation of the new overlay NPA, all future directories in the NPA 306 area should identify the NPA associated with the telephone number so that customers can obtain the appropriate 10-digit number.

If Directories in Exchange Areas in NPA 306 have local dialling instructions, they will require modifications to indicate that all local calls must be dialled using the 10-digit telephone number.

6. **RECOMMENDATIONS**

The RPC submits this RIP to the CISC and the CRTC for approval and recommends that relief be implemented in accordance with the enclosed Relief Implementation Schedule, Consumer Awareness Program (CAP) and Network Implementation Plan (NIP).

Attachments:

- 1) Consumer Awareness Program (CAP)
- 2) Network Implementation Plan (NIP)
- 3) Individual Telecommunications Service Provider Responsibilities

ATTACHMENT 1

Consumer Awareness Program (CAP)

Introduction

The RPC has established a Consumer Awareness Task Force (CATF) to develop and implement this CAP.

This CAP identifies key milestones and establishes completion dates as agreed to by the RPC. It is the responsibility of all Telecommunications Service Providers (TSPs) operating or intending to operate in NPA 306 to file their individual consumer awareness plans with the Commission in accordance with the Relief Implementation Schedule. TSPs must implement those programs in accordance with this industry CAP and submit progress reports to the CATF and RPC for inclusion in the Progress and Final Reports to be filed with the Commission. The Relief Implementation Schedule contains start and end dates for industry consumer awareness activities (see the Relief Implementation Schedule included in this Relief Implementation Plan).

In order to implement the CAP, TSPs may act individually or collectively to accomplish their objectives. However, where TSPs act collectively (e.g., Telecommunications Alliance), such TSPs are individually responsible to report their progress to the CATF and RPC.

All TSPs are required to report any major relief plan concerns as they are identified, along with proposed solutions, and to address consumer concerns reported directly to the Commission.

The RPC requested that the CATF develop a CAP that incorporates the following:

- 1) Develop and agree on a CAP schedule
- 2) Co-ordinate and schedule progress reports with the NITF
- 3) Identify and address CAP issues
- 4) Communications objectives
- 5) Target audiences (e.g., government, media and various business and residence market segments)
- 6) Special types of telecommunications users (e.g., alarm, apartment owners, meter readers)
- 7) NPA-specific communications messages (i.e., in the exhausting NPA as well as affected Exchange Areas in neighbouring NPAs, if any)
- 8) Communications tactics
- 9) Communications theme
- 10) Key messages

Communications Objectives

The Communications Objectives of this CAP are as follows:

1) Increase consumer and user awareness of the introduction of the new NPA and 10-digit local dialling in the NPA 306 area.

- Advise customers and users of the potential need to reprogram their customer provided equipment and systems prior to the beginning of the 7- to 10-Digit Dialling Transition Period announcement period (see Relief Implementation Schedule for dates) to facilitate the transition to 10-digit local dialling.
- 3) Encourage callers to adopt 10-digit dialling for all local calls originating within NPA 306 and the new NPA in accordance with the timeframe in the Relief Implementation Schedule.
- 4) Provide open communication channels to address questions and concerns from residents and businesses regarding the implementation of 10-digit local dialling and the new NPA.
- 5) Continue to lay the foundation for seamless addition of new NPAs in the future through successful transition to 10-digit local dialling.

Communications Tactics

TSPs should consider using the following tactics to accomplish their individual consumer awareness program activities. TSPs may opt to implement some or all of these tactics on their own or as part of an association with other TSPs. In the event that an association of TSPs is formed to coordinate consumer awareness activities, all TSPs operating in the affected NPAs are strongly encouraged to participate in the association activities.

Government Relations

TSPs should ensure that governmental authorities in the affected NPAs are informed of the relief plan (federal, provincial and municipal governments, government offices, and elected representatives).

Media Relations

To introduce and raise awareness of the new NPA and 10-digit local dialling, TSPs should conduct an ongoing media relations campaign targeting key media (including local newspapers, broadcast media, and community publications) in the exhausting NPA. TSPs should offer spokespersons for interviews that focus on how residents and businesses can prepare for the transition and to encourage them to start getting ready now.

TSPs should determine newsworthy announcements and issue press releases accordingly. The press release program will serve to update local media on the progress of 10-digit local dialling and the introduction of the new NPA.

When required, TSPs should issue a series of media alerts and public service announcements to local radio and broadcast stations to provide updated information on 10-digit local dialling.

Each TSP shall provide the news media and general public with basic information about the introduction of 10-digit local dialling, the new NPA, and Commission decisions and regulations. Each TSP should identify its own spokesperson to speak on its behalf to the media. Individual TSPs may form alliances with other TSPs for media relations purposes and such an alliance may also have its own spokesperson.

The Canadian Numbering Administration (CNA), in its role as the Chair of the RPC, shall act as a spokesperson for the RPC.

Telecommunications Service Providers' Web Sites

TSPs should provide up-to-date information about the implementation of 10-digit local dialling in the exhausting NPA and the introduction of the new NPA on their Internet web sites.

Customer Bill Inserts & Messages

TSPs should print information on customer bills and/or distribute bill inserts to their customers advising them of the key dates for the implementation of 10-digit local dialling, the new NPA, and associated changes required to customer equipment and systems.

Advertising Campaign

TSPs should implement their own individual media advertising as necessary and voluntarily participate in a media advertising campaign coordinated with other TSPs' activities to increase awareness amongst consumers in the affected NPAs. All media advertising campaigns, whether conducted individually or collectively, should meet the objective of providing clear and consistent messages to consumers and users as established in this CAP.

Targeted Customer Communications

TSPs should identify and communicate directly with their customers who will be required to make major changes to their telecommunications equipment and systems to accommodate 10-digit local dialling and the new NPA. Targeted communications identifying the changes required should be sent to those customers well in advance of the start date for the 7- to 10-Digit Dialling Transition Period network announcements in order to provide those customers with sufficient time to make the necessary changes. Such targeted customers may include 9-1-1 Public Safety Answering Points (PSAPs), alarm companies, Internet service providers, paging companies, unified messaging service companies, apartment building owners, and hydro meter readers.

Other Means of Customer Communications

TSPs should use other means (e.g., customer messaging, direct customer contacts, Interactive Voice Response, etc.), as required, to reach their customers and provide appropriate information about the implementation of 10-digit local dialling and the new NPA.

Communications Themes and Key Messages:

The proposed theme for the CAP should be:

"A new area code is being added to the 306 area. Add-the-code and dial 10-digits for all local calls originating within area code 306 and the new area code 639."

This theme should be reinforced with more detailed key messages in customer awareness activities:

- To meet the growing demand for telecommunications services and numbers, new area code 639 will be introduced in the 306 geographic area on **25 May 2013**. The new area code will co-exist within the same geographic region as area code 306. There will be no change to customers' existing 306 telephone numbers. Telephone numbers beginning with the new area code may be assigned for use starting **25 May 2013**.
- 2) Changes are required for local dialling in area code 306 starting **25 May 2013** in area code 306 and the new area code, 10-digit dialling will be required for all local calls after that date.
- 3) Customers may begin reprogramming their telecommunications equipment starting **dependant on permissive dialing for the exchange** to accommodate 10-digit local dialling and should have it completed by **25 February 2013** when 7-to 10-Digit Dialling Transition network announcements will begin for local calls dialled using 7-digits originating within area code 306.
- 4) Special types of telecommunications service users with large volumes of reprogramming should contact their Telecommunications Service Provider to determine the date that they can start reprogramming their equipment.
- 5) Starting **25 February 2013**, local calls originating within area code 306 that are dialled using only 7 digits will generally receive a recorded announcement reminding callers to dial local calls using 10 digits consisting of the 3-digit area code and 7-digit telephone number. Calls will then be automatically completed. The recorded messages may prevent local <u>data</u> calls dialled using only 7-digits from being completed.
- Starting **25 May 2013**, all local calls originating within area code 306 and the new area code must be dialled using 10 digits consisting of the 3-digit area code and 7-digit telephone number. Also on that date, all local calls originating within area code 306 and the new area code that are dialled using 7 digits will be routed to a recorded announcement advising callers to dial local calls using 10 digits and the call will <u>not</u> be completed.
- Tocal and long distance calling areas and prices will not change with the adoption of 10-digit dialling on local calls originating within area code 306. Customers with telephone numbers in the new area code will get the same calling areas and prices as customers in the same exchange areas with telephone numbers in area code 306.
- 8) N11 service access codes such as emergency calls (911), directory assistance (411), repair (611) and relay service (711) will continue to be dialled using 3-digits.

Consumer Awareness Program Timeline

All TSPs who have or plan to have customers in the affected NPAs must implement their own consumer awareness program activities in accordance with this CAP and associated dates contained in the Relief Implementation Schedule.

It is the responsibility of each TSP to submit its individual consumer awareness program to the Commission and to provide progress reports to the CATF on its own consumer awareness program activities so that the CATF can submit its required Progress Reports. In the event that a TSP does not submit its individual progress report to the CATF, the CATF will note this discrepancy in its progress report.

ATTACHMENT 2

Network Implementation Plan (NIP)

Introduction

The Canadian NPA Relief Planning Guidelines require the RPC to create a Network Implementation Task Force (NITF) with a mandate to develop a Network Implementation Plan (NIP) for implementing relief and to submit such NIP to the CISC.

Accordingly, the RPC has established a Network Implementation Task Force (NITF) to develop and implement this NIP.

This NIP addresses the introduction of 10-digit local dialling in NPA 306 as well as the introduction of new NPA 639 in the NPA 306 area.

The NIP identifies key milestones and establishes completion dates as agreed to by the RPC. It is the responsibility of all Telecommunications Service Providers (TSPs) operating or intending to operate in the area served by NPA 306 to file their individual network implementation plans with the Commission in accordance with the Relief Implementation Schedule. TSPs must implement those programs in accordance with this industry NIP and submit progress reports to the NITF and RPC for inclusion in the Progress and Final Reports to be filed by the RPC with the Commission.

All TSPs are required to report any major relief plan concerns as they are identified, along with proposed solutions, and to address consumer concerns reported directly to the Commission.

The RPC requested that the NITF develop a NIP in accordance the Canadian NPA Relief Planning Guidelines that incorporates the following:

- 1) Develop and agree on a NIP schedule
- 2) Co-ordinate and schedule progress reports with the CATF
- 3) Identify and address NIP issues
- 4) Network implementation objectives
- 5) Co-ordinate equipment modifications with special types of telecommunications users (e.g., alarm companies, apartment building owners, meter readers)
- 6) Network changes
- 7) Intercarrier network and technical interfaces (e.g., test plan and test numbers, 9-1-1 impacts if any)
- 8) Recommend standard network switch announcements to be reviewed with the CATF (7- to 10-Digit Dialling Transition Period announcement and mandatory dialling announcement) for all Exchange Areas and NPAs affected by the Decision
- 9) Recommend phase-in and phase-out periods for standard network announcements
- 10) Recommend mandatory 10-digit local dialling date
- 11) Recommend earliest effective date for activation of new CO Codes in the new NPA

Network Implementation Objectives

The objectives of this NIP are as follows:

- 1) Implement the standard network announcements for the 7- to 10-Digit Dialling Transition Period and for mandatory 10-digit local dialling in accordance with the CRTC Decision, RIP and Relief Implementation Schedule.
- 2) Make all network and interconnection modifications to implement 10-digit dialling for all local calls originating within NPA 306.
- 3) Implement all necessary network modifications for the introduction of new NPA Code 639 in the NPA 306 area.
- 4) Lay the foundation for seamless addition of new NPAs in the future through successful transition to local 10-digit dialling.

TSP Coordination with Special Types of Telecommunications Users

All TSPs are requested to co-ordinate their network and service modifications with special types of telecommunications users (e.g., 9-1-1 Public Safety Answering Points (PSAPs), alarm companies, internet service providers, paging companies, owners of Customer Premises Equipment, unified messaging service companies, governments, apartment building owners, meter readers). This is necessary in order to ensure a smooth and timely transition to 10-digit local dialling in the affected NPAs, and the introduction of the new NPA.

Test Codes, Numbers & Plans

All TSPs are required to modify their networks, systems, databases, and operator services and directory assistance databases, to accommodate 10-digit local dialling and the new NPA as per the Relief Implementation Schedule.

Test plans, if required, should be arranged on a bilateral basis between interconnecting TSPs in accordance with bilateral agreements.

In preparation for the start of inter-carrier testing, all TSPs are expected to complete modifications to their networks, systems, databases, and Operator Services and Directory Assistance databases, as necessary and per the Relief Implementation Schedule to facilitate intercarrier testing.

Test numbers in the new NPA will permit all carriers and other entities to test their equipment and ensure that the proper network changes have been made to route calls to each carrier operating in the new NPA. The test numbers shall permit TSPs and users to test their equipment both with and without having to incur toll charges.

Each Carrier may establish two test numbers in a test CO Code (NXX) for the new NPA to facilitate testing of network and billing system functionality. Routing of calls to the new NPA can be verified by dialling the new NPA-NXX-8378 (TEST) numbers which shall not provide answer supervision and therefore shall not result in a billed call to the "calling" party. Billing of calls to the new NPA can be verified by dialling the new NPA-NXX-2455 (BILL) numbers which shall provide answer supervision and therefore shall result in a billed call to the "originating" network.

The following carriers have agreed to provide test numbers in the new NPA as follows:

- SaskTel
- Others TBD

Other carriers may request and receive test CO Codes and numbers for publication in the Test Plan, in accordance with the timeframe contained in the Relief Implementation Schedule.

The test numbers must be activated in all networks by the date in the Relief Implementation Schedule and remain active until at least one month after the Relief Date.

The test CO Codes used for the test numbers must be returned to the CNA in accordance with the Relief Implementation Schedule. The CNA shall initiate CO Code reclamation in accordance with the Canadian Central Office (NXX) Code Assignment Guideline for all CO Codes allocated for testing purposes in the event that such CO Codes are not returned by the above carriers to the CNA in accordance with the Relief Implementation Schedule.

The standard network announcements for the test numbers must be as follows:

"You have successfully completed a call to the 639 Area Code Billing Test Number at [CARRIER NAME] in Saskatchewan, Canada." and

"You have successfully completed a call to the 639 Area Code Routing Test Number at [CARRIER NAME] in Saskatchewan, Canada."

In accordance with the Canadian Central Office Code (NXX) Assignment Guideline, TSPs may request other test CO Codes in the new NPA for test purposes within their own networks during the relief implementation timeframe.

Mandatory 10-Digit Local Dialling Start Date

The mandatory 10-digit local dialling start date is 11 May 2013.

All TSPs must phase-in the mandatory 10-digit dialling announcement over a 7 calendar day period commencing on the mandatory 10-digit dialling start date of **11 May 2013** (which is coincident with the phase-out of the 7- to 10-Digit Dialling Transition Period announcement) and ending on **18 May 2013**.

<u>Date for CO Code Activation in the New NPA (Relief Date)</u>

The Effective Date for the introduction of the new NPA is **25 May 2013**, which is the earliest date that a CO Code from the new NPA can be activated in the PSTN. This date is the Relief Date.

The 7 calendar day delay between the end of the phase-in of the 10-digit mandatory dialling announcement and the Relief Date (i.e., from **18 May 2013 to 25 May 2013**) is necessary to address any network routing, dialling or other issues that may arise.

7- to 10-Digit Local Dialling Transition Period

The start date for the 7- to 10-Digit Dialling Transition Period network announcements is **25 February 2013**.

TSPs are permitted to phase-in the 7- to 10-Digit Dialling Transition Period network announcement over a 7 calendar day period commencing on the start date for the 7- to 10-Digit Dialling Transition Period (i.e., from **25 February 2013 to 4 March 2013**).

In addition, all TSPs are required to use clear and consistent network announcements during the 7- to 10-Digit Dialling Transition Period to remind customers of the changes to the local dialling plan. All TSPs <u>must</u> use CRTC-approved announcement texts during the 7- to 10-Digit Dialling Transition Period and the mandatory 10-digit local dialling announcement period.

The RPC recommends the use of the following standard network announcement text by all TSPs.

7- to 10-Digit Local Dialling Transition Period Announcement

"The local number you have dialled must be preceded by its area code. Your call will now proceed."

If at any time a TSP desires to use any announcement text that differs from that identified above, then the TSP shall submit the revised announcement text with rationale to CRTC staff for approval <u>prior to implementation</u>.

Commencing on the start date for the permissive dialling period, each TSP must implement its own network announcements where necessary for all 7-digit dialled calls originated by its own customers on its network.

All TSPs are expected to provision appropriate capacity on their network announcement systems to provide these announcements for a reasonable quantity of call traffic. This is necessary in order to provide callers with appropriate instruction about the new dial plan and to ensure a smooth transition to mandatory 10-digit local dialling prior to the introduction of the new NPA. However, it is recognized that in peak calling periods the quantity of calls dialled using 7 digits may exceed the network announcement capacity available. In such circumstances, TSPs should process excess peak period calls without the 7- to 10-digit dialling announcements in order to protect the network and ensure customers are not adversely affected.

Equipment used by local exchange carriers to provide service in some exchanges, typically those serving small communities, is generally able to provide both 7- and 10-digit local dialling (10-digit permissive dialling), and can route calls to a network announcement, e.g. when 10-digit dialling is mandatory, or an NPA has changed; however, such equipment may not be able to connect a call following a network announcement (i.e., cut-through), as is usually required during transition to 10-digit local dialling. Investments that would be required to upgrade or replace network elements to provide transition announcements in some communities could be significant relative to

their size, and such investments would provide a capability that would only be used for a short time, i.e. during the dialling transition period.

The RPC recommends that in situations where TSPs have network limitations in providing recorded announcements with call completion, and the provision of such announcements and call completion would be prohibitively expensive (e.g., for companies in small and/or remote locations served by legacy technology), it is recommended that such TSPs may submit written requests to CRTC staff seeking relief from the obligation of providing industry standard network announcements with automatic call completion on calls dialled using 7 digits prior to the implementation of mandatory 10-digit dialling. In such circumstances, those TSPs seeking relief shall be required to inform their customers of the 10-digit dialling requirement by:

- sending monthly bill inserts (to be submitted at least one month prior to insertion to CRTC staff for approval) in each of the 2 months immediately prior to the month when mandatory 10-digit local dialling is scheduled to be implemented;
- placing two notices in local newspapers (if available), one during the month prior to the month when mandatory 10-digit local dialling is scheduled to be implemented, and one during the month when mandatory 10-digit local dialling is scheduled to be implemented;
- sending a personal letter to each affected customer, to be received approximately 10 days prior to the commencement of mandatory 10-digit local dialling; and
- placing information on the TSPs' websites in a prominent, highly visible location for the minimum period of about 3 months ending at the end of the month when mandatory 10-digit local dialing is scheduled to be implemented.

9-1-1 Service

The introduction of 10-digit local dialling is not expected to have any impact on the dialling of the 9-1-1 abbreviated dialling number nor the routing of emergency calls to the appropriate Public Service Answering Point (PSAP).

The introduction of the new NPA may have an impact on 9-1-1 service, trunking and systems.

TSPs who intend to provide service using CO Codes in the new NPA or to port numbers into their switch from the new NPA, shall establish 9-1-1 trunking and associated interconnection arrangements as per existing interconnection agreements. TSPs that provide 9-1-1 networking services to any PSAP shall establish 9-1-1 trunking and associated interconnection arrangements as per existing interconnection agreements. These arrangements shall be made prior to the Relief Date upon request of TSPs, and provided that these arrangements are in accordance with the timelines, terms and conditions set out in existing interconnection agreements.

The existing procedure for implementing new TSP trunk groups for 9-1-1 traffic should be used, such as testing with other TSPs' 9-1-1 Control Centers. All TSP related changes that impact 9-1-1 must be completed in accordance with the Relief Implementation Schedule.

Payphone Service Providers

It is the responsibility of each Payphone Service Provider to update any system associated with the operation of their payphones in order to accommodate the new NPA and mandatory local 10-digit dialling. As well, each Payphone Service Provider must update any written instructions affixed to their payphones to advise customers that 10-digit dialling is required for local calls.

The RPC recommended that Commission staff notify Payphone Service Providers of the implementation of relief for this NPA, the new overlay NPA, and 10-digit local dialling.

International Gateway Service Providers

International Gateway Service Providers are responsible to implement changes to their network in order to accommodate the new NPA.

The RPC recommended that Commission staff notify Canadian International Gateway Service Providers of the implementation of the new NPA.

Intra Carrier Network and Customer Interface

All TSPs must make and test the necessary internal system, network and customer interface changes as per the Relief Implementation Schedule in order to accommodate 10-digit local dialling and the introduction of the new NPA.

All TSPs are required to implement the necessary network changes to route traffic to/from the new NPA. Switch translations must be updated and modified in all TSPs' networks in order to process calls to/from the new NPA.

By the start of the inter-carrier testing period, Carriers must use 10-digit signalling for all local traffic they send to other Carriers, and must be able to receive 10-digit signalling on local traffic they receive from other carriers. In the event that Carriers have network equipment limitations that cannot accommodate 10-digit signalling, alternative arrangements may be negotiated with interconnecting carriers to route calls using only 7-digit signalling, where feasible.

Each TSP is responsible for determining the impact of 10-digit local dialling and the new NPA on its network, systems and operations including the products and services it provides to its own customers. Each TSP is responsible for making all necessary modifications to ensure service will be maintained during and after the relief implementation period for its own customers. Furthermore, TSPs shall notify all of their customers of the introduction of the new NPA and 10-digit local dialling in accordance with the Consumer Awareness Program (CAP) (see Attachment 1 to the Relief Implementation Plan).

Standard Network Switch Announcements

All carriers <u>must</u> implement the following standard network announcements, where necessary, in accordance with the dates contained in the Relief Implementation Schedule. Commencing on the mandatory 10-digit local dialling date identified in the Relief Implementation Schedule, TSPs must not complete 7-digit dialled calls to telephone numbers with the exception of numbers in CO Codes approved by the

Commission that can be dialled using 7-digits (e.g., 310-XXXX). Appropriate 10-digit routing between networks and network announcements must be implemented by each TSP.

The RPC recommends the use of the following standard network announcement text by all TSPs.

Mandatory 10-Digit Dialling Announcement

"The local number you have dialled must be preceded by its area code. This call cannot be completed as dialled. Please hang up and redial using the area code."

If at any time a TSP desires to use any announcement text that differs from that identified above, then the TSP shall submit the revised announcement text with rationale to CRTC staff for approval <u>prior to implementation</u>.

The mandatory 10-digit dialling announcement should be retained on all networks for a minimum period of 3 months per the Relief Implementation Schedule.

After the mandatory 10-digit dialling announcement period ends, each carrier's standard announcement should be used for all calls dialled using 7 digits.

"Your call cannot be completed as dialled. Please check the number and try your call again."

Network Implementation Plan Timeline & Progress Reports

All TSPs who have or plan to have customers in the affected NPAs must implement their own network implementation plan activities in accordance with this NIP and associated dates contained in the Relief Implementation Schedule.

It is the responsibility of each TSP to provide progress reports to the NITF on its own network implementation plan activities so that the NITF can submit its required Progress Reports to the RPC. In the event that a TSP does not submit its individual progress report to the NITF, the NITF will note this discrepancy in its Progress Report. If a TSP does not submit its Progress Report to the NITF, it must submit it directly to the CRTC.

Dial Plan Changes

Currently the dialling for local calls within NPA 306 and across its boundaries is as follows:

- 7-digit dialling for local calls within NPA 306;
- in addition to providing 7-digit dialling for local calls from NPA 306, some TSPs permit 10-digit dialling, or 10- and 11-digit dialling;
- 7-digit dialling for local calls from NPA 306 Creighton SK to Flin Flon MB in adjacent NPA 204/431;
- 7-digit dialling for local calls from NPA 306 Lloydminster and Marshall SK to Lloydminster AB in adjacent NPA 780/587;

- 7-digit dialling for local calls from NPA 306 North Portal SK to Portal ND in adjacent NPA 701;
- 10-digit dialling for local calls from adjacent NPA 204/431 to NPA 306 Flin Flon MB to Creighton SK, effective 20 October 2012;
- 10-digit dialling for local calls from adjacent NPA 780/587 to NPA 306 Lloydminster AB to Lloydminster and Marshall SK; and,
- 7-digit dialling for local calls from adjacent NPA 701 to NPA 306 Portal ND to North Portal SK.

NPA relief will have the following impacts on dialling for local calls originated in the NPA 306 area:

 all existing 7-digit dialling will be eliminated and 10-digit local dialling will become mandatory.

The table below identifies the modifications to the dialling plan for local calls originating within the NPA 306 area under the overlay relief option.

Local Dialling Plan for Customers in NPA 306 & New NPA

Dial Plan Scenarios	Today	After Overlay
Landline to Wireless within NPA	7-digits	10-digits*
Landline to Wireless from NPA 306 to	7-digits	10-digits
adjacent NPAs		
Landline to Landline within NPA	7-digits	10-digits*
Landline to Landline from NPA 306 to	7-digits	10-digits
adjacent NPAs		
Wireless to Wireless/Landline within NPA	7/10/11-	10/11-digits
	digits	
Wireless to Wireless/Landline from	10/11-digits	10/11-digits
NPA 306 to adjacent NPAs		

^{*}SaskTel has indicated that there may be issues implementing 10-digit local dialing in two remote communities in northern Saskatchewan due to technological limitations of the Mitel equipment serving the areas. This problem affects the Exchange of Uranium City and the community of Kinoosao which is in the Southend exchange.

Protection of CO Codes 701 and 926 would have to continue in the North Portal EAS in both NPA 306 and the new NPA, as 7-digit dialling would be retained from Portal ND in NPA 701 to North Portal SK.

Long distance dialling will continue to be 1+10 digits. No local calling will become long-distance, and no long-distance calling will become local as a result of NPA relief.

ATTACHMENT 3

Individual Telecommunications Service Provider Responsibilities

Each Telecommunications Service Provider (TSP) is responsible to make the necessary changes in their information and operation support systems as well as for the operation, maintenance, control, and administration of its network and to serve its customers. Accordingly, no activities have been identified in the Relief Implementation Plan (RIP) for the coordination of these functions between different TSPs. Such "internal" systems include, but are not limited to, the following functions:

- Operations Support
- Products & Services
- Marketing & Sales
- Carrier Services
- Network Planning & Provisioning
- Network Operations
- Service Assurance
- Billing
- Financial Systems
- Customer Care & Customer Services (e.g., Business Offices)
- Operator Services
- Directories
- Direct Marketing Centers
- Quality Control
- Service Provisioning & Activation
- Repair Services
- Human Resources/Logistics
- Corporate Information Databases
- Customer Provided Equipment Reprogramming, Upgrades and Testing