

**Report for July 2011 R-NRUF – NPAs 250-604-778, 289-905, 416-647 and 902
to the
Canadian Steering Committee on Numbering (CSCN)**

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1. Purpose of R-NRUF

The purpose of the General Numbering Resource Utilization Forecast (G–NRUF) is to provide an annual forecast to aid in projecting Numbering Plan Area (NPA) and North American Numbering Plan (NANP) exhaust. The G–NRUF requires current and prospective Code Holders to submit actual and forecasted annual data regarding their current and prospective future use of Central Office (CO) Codes to the Canadian Numbering Administrator (CNA) on an annual basis.

In accordance with the Canadian Numbering Resource Utilization Forecast (C-NRUF) Guideline (the Guideline), approved by the Canadian Radio-television and Telecommunications Commission (CRTC) in Telecom Decision CRTC 2010-152 dated 12 March 2010:

When an NPA is entering the timeframe for NPA Relief Planning (e.g., about 6 years before the Projected Exhaust Date), an initial R-NRUF is conducted to obtain actual and forecast annual data at the Exchange Area level of detail. The purpose of the initial R-NRUF is to validate the Projected Exhaust Date for an exhausting NPA, and to provide the CNA with detailed information to be used to identify a potential Relief Date and to prepare the Initial Planning Document as outlined in the Canadian NPA Relief Planning Guidelines.

Based on the 2011 G-NRUF results, the CNA determined that NPAs 250/604/778, 289/905 and 416/647 and 819 were within the 6-year window and NPA 902 was entering the 6-year window for NPA relief planning . On 13 July 2011 the CNA requested R-NRUFs from current and prospective Canadian CO Code (NXX) Holders in those NPAs.

2. High Level Summary

The results from the July 2011 R-NRUF are different from the January 2011 R-NRUF results due to various Telecommunications Service Providers (TSPs) submitting a set of data to the CNA that is different from the January 2011 G- and R-NRUF data. The CNA has verified the input from various TSPs and the variance from previous input can be rationalized.

Specific changes are listed below:

- NPA 250/604/778 Projected Exhaust Date is now forecast for September 2014, which moves the Projected Exhaust Date in by two (2) months from the January 2011 R-NRUF result of November 2014.

- NPA 289/905 Projected Exhaust Date is now forecast for April 2014, which moves the Projected Exhaust Date in by one (1) year from the January 2011 R-NRUF result of April 2015.
- NPA 416/647 Projected Exhaust Date is now forecast for April 2014, which moves the Projected Exhaust Date in by one (1) year and one (1) month from the January 2011 R-NRUF result of May 2015.
- NPA 902 Projected Exhaust Date is now forecast for April 2017, which moves the Projected Exhaust Date in by one (1) month from the January 2011 G-NRUF result of May 2017.

NPA 250/604/778

NPA 250/604/778 July 2011 R-NRUF Aggregate Results							
Actual		Forecast					
Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of		Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of					
2011-01-01	2011-07-01	2012-01-01	2013-01-01	2014-01-01	2015-01-01	2016-01-01	2017-01-01
1956	1999	2101	2213	2325	2453	2581	2659
Projected Exhaust Date					September 2014		
Note - Telecom Notice of Consultation CRTC 2010-815							
Note - Relief Date 1 June 2013 - Telecom Decision CRTC 2011-451							

NRUF data, including the most recent results, is summarized in the following chart.

NPA 250/604/778 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
250/604/778	2010 G - NRUF	1 April 2010	July 2016
250/604/778	July 2010 R – NRUF	13 September 2010	August 2016
250/604/778	January 2011 R - NRUF	5 April 2011	November 2014
250/604/778	July 2011 R – NRUF	7 October 2011	September 2014

NPA 289/905

NPA 289/905 July 2011 R-NRUF Aggregate Results							
Actual		Forecast					
Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of		Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of					
2011-01-01	2011-07-01	2012-01-01	2013-01-01	2014-01-01	2015-01-01	2016-01-01	2017-01-01
1297	1394	1470	1533	1584	1660	1720	1783
Projected Exhaust Date				April 2014			
Note - Telecom Notice of Consultation CRTC 2009-310 Note - Relief Date 25 March 2013 - Telecom Decision CRTC 2010-481							

NRUF data, including the most recent results, is summarized in the following chart:

NPA 289/905 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
289/905	G-NRUF January 2007	5 April 2007	March 2017
289/905	G-NRUF January 2008	25 March 2008	August 2014
289/905	R-NRUF July 2008	5 April 2007	August 2024
289/905	G-NRUF January 2009	15 May 2009	May 2015
289/905	G – NRUF (Updated Jan 2009 due to change in Carriers' forecasts)		February 2014
289/905	R - NRUF June 2009, adjusted per Telecom Notice of Consultation CRTC 2009-310 directive to set aside 7 CO Codes for initial code assignments for Carriers already providing service, and 15 for initial code assignments for New Entrants	12 June 2009	October 2016

NPA 289/905			
Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
289/905	R - NRUF January 2010, adjusted per Telecom Notice of Consultation CRTC 2009-310 directive to set aside 7 CO Codes for initial code assignments for Carriers already providing service, and 15 for initial code assignments for New Entrants	1 April 2010	April 2014
289/905	R - NRUF July 2010, adjusted per Telecom Notice of Consultation CRTC 2009-310 directive to set aside 7 CO Codes for initial code assignments for Carriers already providing service, and 15 for initial code assignments for New Entrants	13 September 2010	March 2015
289/905	R - NRUF January 2011, adjusted per Telecom Notice of Consultation CRTC 2009-310 directive to set aside 7 CO Codes for initial code assignments for Carriers already providing service, and 15 for initial code assignments for New Entrants	5 April 2011	April 2015
289/905	R - NRUF July 2011, adjusted per Telecom Notice of Consultation CRTC 2009-310 directive to set aside 7 CO Codes for initial code assignments for Carriers already providing service, and 15 for initial code assignments for New Entrants	7 October 2011	April 2014

NPA 416/647

NPA 416/647 July 2011 R-NRUF Aggregate Results							
Actual		Forecast					
Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of		Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of					
2011-01-01	2011-07-01	2012-01-01	2013-01-01	2014-01-01	2015-01-01	2016-01-01	2017-01-01
1198	1254	1325	1446	1564	1675	1826	1940
Projected Exhaust Date				April 2014			
Note - Telecom Notice of Consultation CRTC 2010-490							
Note - Relief Date 25 March 2013 - Telecom Decision CRTC 2011-436							

NRUF data, including the most recent results, is summarized in the following chart.

NPA 416/647 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
416/647	G-NRUF January 2009	15 May 2009	October 2021
416/647	G-NRUF January 2010	1 April 2010	July 2015
416/647	R - NRUF July 2010, adjusted per Telecom Notice of Consultation CRTC 2010-490 directive to set aside 7 CO Codes for initial code assignments for Carriers already providing service, and 10 for initial code assignments for New Entrants	13 September 2010	October 2015
416/647	R - NRUF January 2011, adjusted per Telecom Notice of Consultation CRTC 2010-490 directive to set aside 7 CO Codes for initial code assignments for Carriers already providing service, and 10 for initial code assignments for New Entrants	5 April 2011	May 2015

NPA 416/647			
Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
416/647	R - NRUF July 2011, adjusted per Telecom Notice of Consultation CRTC 2010-490 directive to set aside 7 CO Codes for initial code assignments for Carriers already providing service, and 10 for initial code assignments for New Entrants	7 October 2011	April 2014

NPA 902

NPA 902 July 2011 R-NRUF Aggregate Results							
Actual		Forecast					
Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of		Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of					
2011-01-01	2011-07-01	2012-01-01	2013-01-01	2014-01-01	2015-01-01	2016-01-01	2017-01-01
622	653	686	713	736	756	777	793
Projected Exhaust Date							April 2017

NRUF data, including the most recent results, is summarized in the following chart.

NPA 902			
Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
902	G - NRUF January 2011	5 April 2011	May 2017
902	R - NRUF July 2011	7 October 2011	April 2017

3. Schedule of Future R- NRUF Activities in this Year

Due Date	NRUF Type	NRUF Format	NPA's
N/A			

4. R-NRUF Assumptions

The assumptions used for the July 2011 R-NRUF for NPAs 250/604/778, 289/905, 416/647 and 902 are the assumptions that were provided on 26 October 2010 to the CNA by the Canadian Steering Committee on Numbering (CSCN) for conducting the 2011 G-NRUF.

5. Summary of Challenges Encountered During the R-NRUF Process

One TSP continues to remain unaware of the significance and schedule for completing R-NRUFs. The CNA started contacting companies on August 1, 2011 to remind them of the August 8, 2011 due date.

Some TSPs continued to revise their NRUFs till the end of September 2011.

6. Conclusion

In accordance with Section 4 of the Canadian Numbering Resource Utilization Forecast (C-NRUF) Guideline, the CNA has conducted an assessment, at a total aggregate level, to determine whether the July 2011 R-NRUF results are reasonable and the Projected Exhaust Dates for NPAs 250/604/778, 289/905, 416/647 and 902 are realistic.

Short term numbering resource requirements for some Carriers in both the wireless and CLEC services have been volatile over the last few years resulting in only moderately accurate short term and long term NRUF submissions. Given the accuracy of some of the submissions, in the CNA's opinion the July 2011 R-NRUF results for NPAs 250/604/778, 289/905, 416/647 and 902 are as reasonable as they can be and, therefore, the Projected Exhaust Dates for the NPAs are generally realistic, based on the information provided by those current and prospective CO Code Holders that submitted data.