

**Report for January 2007 R-NRUF – NPAs 418, 613 & 780  
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 2004-45:

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.

On 14 April 2006, the CNA released the aggregate results of the 2006 G-NRUF for all geographic Canadian NPAs. The 2006 G-NRUF results indicated that NPA 418 would exhaust in December 2013, NPA 613 would exhaust in May 2014 and NPA 780 would exhaust in February 2013. The August 2006 Special WNP NRUF results indicated that NPA 418 would exhaust in March 2012, NPA 613 would exhaust in June 2013 and NPA 780 would exhaust in November 2010. In November 2006, the CNA announced that R-NRUFs would be required for NPAs 418, 613 and 780 as they were within the 6-year relief planning window.

## **2. High Level Summary**

The results from the January 2007 R-NRUF are different from the July 2006 R-NRUF results due to various Telecommunications Service Providers (TSPs) submitting a set of data to the CNA that is different from the July 2006 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 418 Projected Exhaust Date is now forecast for October 2008, which moves the Projected Exhaust Date in by three and half (3.5) years from the August 2006 Special WNP NRUF result of March 2012.
- NPA 613 Projected Exhaust Date is now forecast for December 2013, which moves the Projected Exhaust Date out by six (6) months from the August 2006 Special WNP NRUF result of June 2013.
- NPA 780 Projected Exhaust Date is now forecast for October 2009, which moves the Projected Exhaust Date in by thirteen (13) months from the August 2006 Special WNP NRUF result of November 2010.

**NPA 418**

NPA	Total number of NPA 418 CO Codes as of:						
	2006	2007	2008	2009	2010	2011	2012
	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan
418	686	783	829	865	882	896	927
Projected Exhaust Date			Oct-08	In Jeopardy			

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

NPA 418 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
418	2006 G - NRUF	7 April 2006	December 2013
418	August 2006 S – NRUF (WNP)	9 November 2006	March 2012
418	January 2007 R – NRUF	5 April 2007	October 2008 (Jeopardy Condition)

**NPA 613**

NPA	Total number of NPA 613 CO Codes as of:						
	2007	2008	2009	2010	2011	2012	2013
	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan
613	589	684	706	722	745	765	781
Projected Exhaust Date							Dec-13

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

NPA 613 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
613	2006 G - NRUF	7 April 2006	May 2014
613	August 2006 S – NRUF (WNP)	9 November 2006	June 2013
613	January 2007 R – NRUF	5 April 2007	December 2013

**NPA 780**

NPA	Total number of NPA 780 CO Codes as of:						
	2006	2007	2008	2009	2010	2011	2012
	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan
780	622	736	775	835	860	884	905
Projected Exhaust Date				Oct-09	In Jeopardy		

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

<b>NPA 780</b>			
<b>Summary of Projected Exhaust Dates</b>			
<b>NPA</b>	<b>Type of C-NRUF</b>	<b>Date of Publication</b>	<b>Projected Exhaust Date</b>
780	2004 G - NRUF	14 April 2004	November 2011
780	July 2004 R - NRUF	1 September 2004	January 2012
780	January 2005 R - NRUF	14 April 2005	January 2015
780	July 2005 R - NRUF	5 October 2005	January 2014
780	January 2006 R - NRUF	7 April 2006	February 2013
780	July 2006 R - NRUF	22 September 2006	November 2010
780	August 2006 S – NRUF (WNP)	9 November 2006	November 2010
780	January 2007 R – NRUF	5 April 2007	October 2009 (Jeopardy Condition)

### 3. Schedule of Future NRUF Activities in this Year

<b>Due Date</b>	<b>NRUF Type</b>	<b>NRUF Format</b>	<b>NPA(s)</b>
July 30	J-NRUF	Format 3 – proposed by CNA	418
October 29	J-NRUF	Format 3 – proposed by CNA	418
August 8	R-NRUF	Format 2 – proposed by CNA	613
July 30	J-NRUF	Format 3 – proposed by CNA	780
October 29	J-NRUF	Format 3 – proposed by CNA	780

### 4. R-NRUF Assumptions

The assumptions used for the January 2007 R-NRUF were provided to the CNA by the CSCN in a letter dated 28 September 2006, entitled "CSCN Direction to CNA re: 2007 G-NRUF Methodology and Assumptions".

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

Some TSPs continue to remain unaware of the significance and schedule for completing R-NRUFs. The CNA started contacting companies from 1 February 2007.

### 6. Conclusion

In accordance with Section 4, Item 6 f) and h) 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 January 2007 R-NRUF results are reasonable and the Projected Exhaust Dates for NPAs 418, 613 and 780 are realistic based on the data submitted by TSPs.

As identified in previous reports, there continues to be some potential for volatility in demand for numbering resources as a result of improvements in the Canadian economy, expansion of the VoIP market, and the current expansion process for LNP to encompass wireless services. Due to these uncertainties, there is some latitude for determining what is reasonable and realistic. Based on this assessment, in the CNA's opinion, the January 2007 R-NRUF results for NPAs 418, 613 and 780 appear reasonable and the Projected Exhaust Dates for the NPAs are generally realistic.

NPAs 418 and 780 are in a Jeopardy Condition.