

**Report for July 2006 R-NRUF – NPAs 250, 403 & 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 15 April 2004, the CNA released the aggregate results of the 2004 G-NRUF for all geographic Canadian NPAs. The 2004 G-NRUF results indicated that NPAs 250 and 403 would exhaust in September 2009 and NPA 780 would exhaust in November 2011.

In a letter dated 21 April 2004, the Canadian Steering Committee on Numbering (CSCN) requested the CNA to conduct an R-NRUF for NPA 780 coincident with the NPA 403 R-NRUF required by the Canadian NPA Relief Planning Guidelines. The CSCN's request was based on the premise that simultaneous relief planning for both NPA 403 and NPA 780 would provide a coordinated approach for relief planning in Alberta.

During a joint meeting held on 18 April 2006, the NPA 403 and 780 Relief Planning Committees agreed to continue using a coordinated approach for relief planning in Alberta, even though the January 2006 R-NRUF results indicated that NPA 403 would exhaust in March 2011 and NPA 780 would exhaust in February 2013.

The CNA has prepared this report in accordance with the Guideline approved by the CRTC on 12 July 2004 in Telecom Decision CRTC 2004-45.

2. High Level Summary

The results from the July 2006 R-NRUF are different from the January 2006 R-NRUF results due to various Telecommunications Service Providers (TSPs) submitting a set of data to the CNA that is different from the January 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 250 Projected Exhaust Date is now forecast for January 2008, which moves the Projected Exhaust Date in by fifteen (15) months from the January 2006 R-NRUF result of April 2010.
- NPA 403 Projected Exhaust Date is now forecast for October 2009, which moves the Projected Exhaust Date in by four (4) months from the January 2006 R-NRUF result of March 2011.
- NPA 780 Projected Exhaust Date is now forecast for November 2010, which moves the Projected Exhaust Date in by twenty-seven (27) months from the January 2006 R-NRUF result of February 2013.

NPA	Total number of NPA 250 CO Codes as of:							
	2006 01-Jan	2006 01-Jul	2007 01-Jan	2008 01-Jan	2009 01-Jan	2010 01-Jan	2011 01-Jan	2012 01-Jan
250	658	672	750	799	872	902	929	954
Projected Exhaust Date				Jan 2008				

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

NPA 250			
Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
250	2004 G - NRUF	14 April 2004	May 2009
250	2004 R - NRUF	1 September 2004	June 2009
250	2005 R - NRUF	14 April 2005	November 2009
250	2005 R - NRUF	5 October 2005	March 2010
250	2006 R - NRUF	7 April 2006	April 2010
250	2006 R – NRUF	22 September 2006	January 2008 (Jeopardy Condition)

NPA	Total number of NPA 403 CO Codes as of:							
	2006	2006	2007	2008	2009	2010	2011	2012
	01-Jan	01-Jul	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan
403	606	643	698	737	771	846	884	921
Projected Exhaust Date					October 2009			

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

NPA 403			
Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
403	2004 G - NRUF	14 April 2004	September 2009
403	2004 R - NRUF	1 September 2004	October 2009
403	2005 R - NRUF	14 April 2005	September 2011
403	2005 R - NRUF	5 October 2005	July 2011
403	2006 R - NRUF	7 April 2006	March 2011
403	2006 R – NRUF	22 September 2006	October 2009

NPA	Total number of NPA 780 CO Codes as of:							
	2006	2006	2007	2008	2009	2010	2011	2012
	01-Jan	01-Jul	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan
780	569	609	673	709	749	780	839	856
Projected Exhaust Date						November 2010		

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

NPA 780 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
780	2004 G - NRUF	14 April 2004	November 2011
780	2004 R - NRUF	1 September 2004	January 2012
780	2005 R - NRUF	14 April 2005	January 2015
780	2005 R - NRUF	5 October 2005	January 2014
780	2006 R - NRUF	7 April 2006	February 2013
780	2006 R - NRUF	22 September 2006	November 2010

3. Schedule of Future NRUF Activities in the next Year

Due Date	NRUF Type	NRUF Format	NPA(s)
February 7	J-NRUF	Format 2 – approved by CRTC staff	250
April 30	J-NRUF	Format 3 – approved by RPC	250
July 30	J-NRUF	Format 3 – approved by RPC	250
October 29	J-NRUF	Format 3 – approved by RPC	250
February 7	J-NRUF	Format 2 – approved by CRTC staff	403
April 30	J-NRUF	Format 3 – approved by RPC	403
July 30	J-NRUF	Format 3 – approved by RPC	403
October 29	J-NRUF	Format 3 – approved by RPC	403
February 7	R-NRUF	Format 2 – proposed by CNA	780
August 8	R-NRUF	Format 2 – proposed by CNA	780

4. R-NRUF Assumptions

The assumptions used for the July 2006 R-NRUF are the same assumptions utilized for the 2006 G-NRUF and were provided to the CNA by the CSCN in a letter dated 1 November 2005, entitled "CSCN Direction to CNA re: 2006 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 August 2006.

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 July 2006 R-NRUF results are reasonable and the Projected Exhaust Dates for NPAs 250, 403 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 this uncertainty, there is some latitude for determining what is reasonable and realistic. Based on this assessment, in the CNA's opinion, the January 2006 R-NRUF results for NPAs 250, 403 and 780 appear reasonable and the Projected Exhaust Dates for the NPAs are generally realistic.

NPA 250 is in a Jeopardy Condition,

The CNA will declare NPA 403 to be in a Jeopardy Condition this month (i.e., October 2006).

NPA 780 is in the Relief Planning window.