

**Report for July 2005 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 10 May 2005, the NPA 403 and 780 RPCs agreed to continue using a coordinated approach for relief planning in Alberta, even though the January 2005 R-NRUF results indicated that NPA 403 would exhaust in September 2011 and NPA 780 would exhaust in January 2015. It was also agreed that the RPCs would examine the results of the mid-year R-NRUFs for each NPA and would then decide whether a coordinated approach for relief planning in Alberta should be maintained.

On 24 June 2005, the CNA requested that all current and prospective CO Code Holders in NPAs 250, 403 and 780 develop a six year CO Code forecast by Exchange Area for all the exchanges located in NPAs 250, 403 and 780, to enable the CNA to examine the forecast closely and update the Planning Documents for those NPAs. The results are contained in this report.

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 2005 R-NRUF are different from the January 2005 R-NRUF results due to various Telecommunications Service Providers (TSPs) submitting a set of data to the CNA that is different from the February 2005 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 March 2010, which moves the Projected Exhaust Date out by four (4) months from the January 2005 R-NRUF result of November 2009.
- NPA 403 Projected Exhaust Date is now forecast for July 2011, which moves the Projected Exhaust Date in by two (2) months from the January 2005 R-NRUF result of September 2011.
- NPA 780 Projected Exhaust Date is now forecast for January 2014, which moves the Projected Exhaust Date in by one (1) year from the January 2005 R-NRUF result of January 2015.

NPA	Total number of NPA 250 CO Codes as of:							
	2005	2005	2006	2007	2008	2009	2010	2011
	01-Jan	01-Jul	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan
250	641	646	657	697	730	766	791	851
Projected Exhaust Date	March 2010							

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	April 2010

NPA	Total number of NPA 403 CO Codes as of:							
	2005	2005	2006	2007	2008	2009	2010	2011
	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan
403	582	597	610	648	691	718	752	781
Projected Exhaust Date	July 2011							

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

NPA	Total number of NPA 780 CO Codes as of:							
	2005	2005	2006	2007	2008	2009	2010	2011
	01-Jan	01-Jul	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan	01-Jan
750	541	554	569	607	636	665	687	711
Projected Exhaust Date	January 2014							

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

3. Schedule of Future NRUF Activities in the next Year

Due Date	NRUF Type	NRUF Format	NPA(s)
February 7	R-NRUF	Format 2 – proposed by CNA	250
February 7	R-NRUF	Format 2 – proposed by CNA	403
February 7	R-NRUF	Format 2 – proposed by CNA	780
August 8	R-NRUF	Format 2 – proposed by CNA	250
August 8	R-NRUF	Format 2 – proposed by CNA	403
August 8	R-NRUF	Format 2 – proposed by CNA	780

4. R-NRUF Assumptions

The assumptions used for the July 2005 R-NRUF are the same assumptions utilized for the 2005 G-NRUF and were provided to the CNA by the CSCN in a letter dated 1 November 2004, entitled "CSCN Direction to CNA re: 2005 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 2 August 2005.

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 2005 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.

Accordingly, based on this assessment, in the CNA's opinion, the July 2005 R-NRUF results for NPAs 250, 403 and 780 appear reasonable and the Projected Exhaust Dates for the NPAs are generally realistic in relation to the February 2005 R-NRUF results.

NPA 780 is out of Relief Planning window. However, the CRTC approved a recommendation from the CSCN to consider relief for NPA 780 in conjunction with relief planning for NPA 403.