

**Report for July 2007 R-NRUF – NPAs 450, 613 & 705  
to the  
Canadian Steering Committee on Numbering (CSCN)**

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SAIC Canada

Suresh Khare  
1516 – 60 Queen St.  
Ottawa, ON

## 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 5 April 2007, the CNA released the aggregate results of the 2007 G-NRUF for all geographic Canadian NPAs. The 2007 G-NRUF results indicated that NPA 450 would exhaust in September 2013, NPA 613 would exhaust in December 2013 and NPA 705 would exhaust in December 2013. The CNA announced that R-NRUFs would be required for NPAs 450, 613 and 705 as they were within the 6-year relief planning window.

## 2. High Level Summary

The results from the July 2007 R-NRUF are different from the January 2007 G-NRUF results due to various Telecommunications Service Providers (TSPs) submitting a set of data to the CNA that is different from the January 2007 G-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 450 Projected Exhaust Date is now forecast for November 2013, which moves the Projected Exhaust Date out by two (2) months from the January 2007 G-NRUF result of September 2013.

- NPA 613 Projected Exhaust Date is now forecast for September 2011, which moves the Projected Exhaust Date in by two (2) years and two (2) months from the January 2007 R- NRUF result of December 2013.
- NPA 705 Projected Exhaust Date is now forecast for May 2015, which moves the Projected Exhaust Date out by seventeen (17) months from the January 2007 G- NRUF result of December 2013.

**NPA 450**

NPA 450 July 2007 R-NRUF Results							
Actual		Forecast					
Total quantity of existing CO Codes assigned & reserved as of		Total quantity of existing and future CO Codes forecast to be assigned and reserved plus unassignable CO Codes as of					
01-Jan-2007	01-Jul-2007	01-Jan-2008	01-Jan-2009	01-Jan-2010	01-Jan-2011	01-Jan-2012	01-Jan-2013
615	628	657	688	745	759	771	778
Projected Exhaust Date						Nov-13	

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

NPA 450 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
450	2007 G - NRUF	5 April 2007	September 2013
450	July 2007 R – NRUF	3 October 2007	November 2013

**NPA 613**

NPA 613 July 2007 R-NRUF Results							
Actual		Forecast					
Total quantity of existing CO Codes assigned & reserved as of		Total quantity of existing and future CO Codes forecast to be assigned and reserved plus unassignable CO Codes as of					
01-Jan-2007	01-Jul-2007	01-Jan-2008	01-Jan-2009	01-Jan-2010	01-Jan-2011	01-Jan-2012	01-Jan-2013
593	626	725	746	765	787	839	857
Projected Exhaust Date						Sep-11	

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
613	July 2007 R – NRUF	3 October 2007	September 2011

**NPA 705**

NPA 705 July 2007 R-NRUF Results							
Actual		Forecast					
Total quantity of existing CO Codes assigned & reserved as of		Total quantity of existing and future CO Codes forecast to be assigned and reserved plus unassignable CO Codes as of					
01-Jan-2007	01-Jul-2007	01-Jan-2008	01-Jan-2009	01-Jan-2010	01-Jan-2011	01-Jan-2012	01-Jan-2013
533	541	707	722	735	745	760	769
Projected Exhaust Date						May-15	

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

NPA 705 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
705	2007 G - NRUF	5 April 2007	December 2013
705	July 2007 R – NRUF	3 October 2007	May 2015

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

None.

**4. R–NRUF Assumptions**

The assumptions used for the July 2007 R-NRUF were the same as those 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 on August 1, 2007 to remind them of the August 8, 2007 due date.

## **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 2007 R-NRUF results are reasonable and the Projected Exhaust Dates for NPAs 450, 613 and 705 are realistic.

As identified in previous reports, there continues to be some potential for volatility in demand for numbering resources as a result of the current expansion process for LNP to encompass wireless services and Telecom Decision CRTC 2004-46, "Trunking arrangements for the interchange of traffic and the point of interconnection between local exchange carriers", which allows for the consolidation of exchanges to form larger local interconnection regions (LIRs). 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 July 2007 R-NRUF results for NPAs 450, 613 and 705 appear reasonable and the Projected Exhaust Dates for the NPAs are generally realistic based on the information provided by those TSPs that submitted data.