

**Report for January 2007 J-NRUF – NPA 250 & 403
to the
Canadian Steering Committee on Numbering (CSCN)**

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1. Purpose of NPA 250 & 403 J-NRUF

On 27 September 2006, the Canadian Numbering Administrator (CNA) declared a Jeopardy Condition in NPA 250 and, on 26 October 2006, the CNA also declared a Jeopardy Condition in NPA 403. As per Canadian Radio-television and Telecommunications Commission (CRTC or Commission) instructions contained in a letter dated 2 October 2006, the CNA deferred requesting an immediate Jeopardy Numbering Resource Utilization Forecast (J-NRUF). Generally, in accordance with section 8.2 of the Canadian NPA Relief Planning Guidelines and section 3, item 3 of the Canadian Numbering Resource Utilization Forecast (C-NRUF) Guideline, the CNA is required to request a J-NRUF once a Jeopardy Condition has been declared for a specific NPA. Subsequent J-NRUFs are to be conducted by the CNA on a quarterly basis until relief has been implemented, unless otherwise directed by the CRTC. In these two instances, based on the Commission's instructions, the CNA issued J-NRUF forms on 15 December 2006 for completion by current and prospective CO Code Holders in NPAs 250 and 403. Current and prospective CO Code Holders were required to provide the total quantity of assigned and reserved CO Codes assigned to them as of 1 January 2007 and a forecast of the total cumulative quantity of existing and future CO Codes forecast to be assigned and reserved as of either the first day of each month or the first day of each quarter up to and including December 2007, and each year up to and including January 2013.

The CNA has prepared this report in accordance with the Canadian Numbering Resource Utilization Forecast Guideline (C-NRUF) (the Guideline) approved by the CRTC on 12 July 2004 in Telecom Decision CRTC 2004-45.

2. High Level Summary

Telecommunications Service Providers (TSPs) continue to revise their forecasts based on the most recent marketing plans. The CNA has verified the input from various TSPs and the variance from previous inputs can be rationalized.

- The NPA 250 Projected Exhaust Date is now forecast for January 2008, which is the same as the July 2006 R-NRUF result of January 2008.
- The NPA 403 Projected Exhaust Date is now forecast for March 2009, which moves the Projected Exhaust Date in by seven months from the September 2006 R-NRUF result of October 2009.

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NPA 250 January 2007 J-NRUF Results																		
Actual	Forecast																	
Total quantity of existing CO Codes	Total quantity of existing and future CO Codes forecast to be assigned and reserved plus unassignable CO Codes as of																	
	01-Jan-2007	01-Feb-2007	01-Mar-2007	01-Apr-2007	01-May-2007	01-Jun-2007	01-Jul-2007	01-Aug-2007	01-Sep-2007	01-Oct-2007	01-Nov-2007	01-Dec-2007	01-Jan-2008	01-Jan-2009	01-Jan-2010	01-Jan-2011	01-Jan-2012	01-Jan-2013
711	715	716	723	725	735	741	742	751	757	766	773	796	874	906	932	963	994	

Projected Exhaust Date: January 2008

Summary of Projected Exhaust Dates

NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
250	G – NRUF	15 April 2004	May 2009
250	R – NRUF	27 August 2004	June 2009
250	R – NRUF	14 April 2005	November 2009
250	R – NRUF	5 October 2005	March 2010
250	R – NRUF	7 April 2006	April 2010
250	R – NRUF	22 September 2006	January 2008
250	J – NRUF	14 March 2007	January 2008

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NPA 403 January 2007 J-NRUF Results												
Actual	Forecast											
Total quantity of existing CO Codes	Total quantity of existing and future CO Codes forecast to be assigned and reserved plus unassignable CO Codes as of											
	01-Jan-2007	01-Apr-2007	01-Jul-2007	01-Oct-2007	01-Jan-2008	01-Apr-2008	01-Jul-2008	01-Oct-2008	01-Jan-2009	01-Jan-2010	01-Jan-2011	01-Jan-2012
665	692	718	734	745	755	742	769	793	854	885	909	926

Projected Exhaust Date: March 2009

Summary of Projected Exhaust Dates

NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
403	G – NRUF	15 April 2004	September 2009
403	R – NRUF	27 August 2004	October 2009
403	R – NRUF	14 April 2005	September 2011
403	R – NRUF	5 October 2005	July 2011
403	R - NRUF	7 April 2006	March 2011
403	R - NRUF	22 September 2006	October 2009
403	J - NRUF	14 March 2007	March 2009

3. Schedule of Future NRUF Activities This Year

Due Date	NRUF Type	NRUF Format	NPA
30 April 2007	J – NRUF	R-NRUF	250
30 April 2007	J – NRUF	R-NRUF	403
30 July 2007	J – NRUF	R-NRUF	250
30 July 2007	J – NRUF	R-NRUF	403
29 October 2007	J – NRUF	R-NRUF	250
29 October 2007	J – NRUF	R-NRUF	403

4. J-NRUF Assumptions

The assumptions used for the NPA 250 and NPA 403 January 2007 J-NRUF are the assumptions that were provided on 1 November 2006 to the CNA by the Canadian Steering Committee on Numbering (CSCN) for conducting the 2007 G-NRUF.

5. Conclusion

In accordance with the Guideline, the CNA has conducted an assessment, at a total aggregate level, to determine whether the January 2007 J-NRUF results are reasonable and the Projected Exhaust Dates for NPA 250 and NPA 403 are realistic.

There continues to be potential for volatility in demand for numbering resources as a result of improvements in the Canadian economy, expansion of the VoIP market, and further expansion of LNP to encompass wireless services. Additionally, 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), could have an unforeseen impact on demand. Due to these uncertainties, there is some latitude for determining what is reasonable and realistic. Accordingly, based on this assessment, in the CNA's opinion, the January 2007 J-NRUF results appear reasonable and the Projected Exhaust Date for NPA 250 and NPA 403 is generally realistic based on the information provided by TSPs.

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NPA 250 CO Code Inventory Chart

The following Chart and the instructions it contains will apply in NPA 250 in the Jeopardy Condition.

The Chart below lists the quantities of unassignable CO Codes prior to a Jeopardy Condition, the quantities of assignable CO Codes in a Jeopardy Condition, and the quantity of CO Codes assigned or in-service as at 19 October 2006. It identifies 31 CO Codes that are unassignable prior to a Jeopardy Condition, 14 of which become assignable in a Jeopardy Condition. The CO Codes that become assignable in a Jeopardy Condition shall only be made available for assignment when all other available CO Codes have been assigned. The types of CO Code that become assignable in a Jeopardy Condition should be made available in the same order as the types are listed in the chart.

A	Total CO Codes in an NPA (NXX format)	800
	CO Codes unassignable prior to a Jeopardy condition :	
	N11 Service Codes (211, 311, 411, 511, 611, 711, 811, 911)	8
	Special Use Codes (555, 950 & 976)	3
	Protected Codes	0
	Home NPA(s) (250)	1
	Current Neighbouring NPAs (403, 867 - see Note 1 re others)	2
	Future Canadian Geographic NPAs (see Note 2)	10
	Plant Test Codes (958 & 959)	2
	Special 7-digit Dialling Codes (610 & 810)	2
	911 Misdial Codes (912, 914 & 915)	3
B	Subtotal	31
C	Net Assignable prior to a Jeopardy Condition (C=A-B)	769
	CO Codes unassignable prior to Jeopardy that become assignable in a Jeopardy Condition:	
	Future Canadian Geographic NPAs - assign 257, 273, 437, 584, 683, 871, 873, 879, 942; do not assign 236 (recommended future BC NPA)	9
	911 Misdial Codes (912, 914 & 915)	3
	Current Neighbouring NPAs - assign 867 in southern half of BC only, and 403 on Island only,)	2
D	Subtotal	14
E	Net Assignable in a Jeopardy Condition (E=C+D)	783
F	Assigned & In Service Codes as of 2007-03-27	684
G	Net Available for Assignment as of 2007-03-27in a Jeopardy Condition (G=E-F)	99
H	Codes Set Aside for Future New Entrants and NWT growth	6
I	Available for Assignment to other applicants as of 2007-03-27without Jeopardy Condition (I=C-F-H)	82
J	Available for Assignment to other applicants as of 2007-03-27in a Jeopardy Condition (J=G-H)	93

Note 1: Current Neighbouring NPAs other than 403 and 867 are already assigned as CO Codes in NPA 250 (i.e. Canadian NPAs 604, 778, 780, and US NPAs 907, 360, 564, 509, 208, 406) If 250-778 (Cassiar) is returned, it should be made unassignable, since NPA 778 may become a Home NPA in the NPA 250 area.

Note 2: 27 out of a total of 37 Future Canadian Geographic NPAs are already assigned as CO Codes in NPA 250; these assigned NPA 250 CO Codes include 587 & 825 (recommended future AB NPAs).

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NPA 403 CO Code Inventory Chart

The following chart and the instructions it contains will apply in NPA 403 in a Jeopardy Condition.

The chart shown below lists quantities of CO Codes unassignable prior to a Jeopardy Condition, CO Codes that become assignable in a Jeopardy Condition, and CO Codes in NPA 403 assigned and in-service as at 2006-10-19. It identifies 38 CO Codes that are unassignable prior to a Jeopardy Condition, 19 of which become assignable in a Jeopardy Condition. The CO Codes that become assignable in a Jeopardy Condition shall only be made available for assignment when all other available CO Codes have been assigned. The types of CO Codes that become assignable in a Jeopardy Condition should be made available in the same order as listed in the chart.

A	Total CO Codes In an NPA (NXX format)	800
B	CO Codes unassignable prior to a Jeopardy Condition:	
	N11 Service Codes (211, 311, 411, 511, 611, 711, 811, 911)	8
	Special Use Codes (555, 950 & 976)	3
	Protected Codes	0
	Home NPA(s) (403)	1
	Current Neighbouring NPAs (780 - see Note 1 for others)	1
	Future Canadian Geographic NPAs (see Note 2)	19
	Plant Test Codes (958 & 959)	2
	Special 7-digit Dialling Codes (610 & 810)	2
	911 Misdial Codes (914 & 915)	2
	Subtotal	38
C	Assignable CO Codes prior to Jeopardy with none set aside for new entrants after relief (C=A-B)	762
D	CO Codes unassignable prior to Jeopardy that become assignable in a Jeopardy Condition:	
	Future Canadian Geographic NPAs - assign 354, 365, 367, 428, 437, 460, 468, 474, 487, 584, 639, 672, 683, 753, 871, 879 & 942; do not assign 587 & 825 (recommended future AB NPAs)	17
	911 Misdial Codes (914 & 915)	2
	Subtotal	19
E	Assignable CO Codes in a Jeopardy Condition with none set aside for new entrants after relief (E=C+D)	781
F	Assigned CO Codes as of 2007-03-27	645
G	CO Codes set aside for assignment to Future New Entrants after Relief	4
H	Net CO Codes available for assignment as of 2007-03-27 without Jeopardy Condition (H=C-F-G)	113
I	Net CO Codes available for assignment as of 2007-03-27 in a Jeopardy Condition (I=E-F-G)	132

Note 1: Current neighbouring Canadian NPAs other than 780 are already assigned as CO Codes in NPA 403 (i.e. NPAs 250 & 306); current neighbouring US NPA 406 is available outside Coutts EAS Exchange Areas in NPA 403.

Note 2: 18 out of a total 37 Future Canadian Geographic NPAs are already assigned as CO Codes in NPA 403.