

**Report for April 2010 J-NRUF – NPAs 450 & 705
to the
Canadian Steering Committee on Numbering (CSCN)**

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1. Purpose of the J-NRUF

Section 8.1 of the Canadian NPA Relief Planning Guidelines states that the Canadian Numbering Administrator (CNA) will declare a Jeopardy Condition in one of the following two situations:

- a) where the Canadian Radio-television and Telecommunications Commission (CRTC) has not yet established a Relief Method and Date and the CNA projects an NPA will exhaust within 36 months; or,
- b) where the CRTC has established a Relief Method and Date and the CNA projects an NPA will exhaust prior to the Relief Date.

The July 2008 R-NRUF indicated that the Projected Exhaust Date for NPA 450 had moved in to September 2012. Since that time, new R-NRUF forecasts were received from current or prospective CO Code Holders in NPA 450, causing the Projected Exhaust Date to move in further.

On 4 November 2008, the Canadian Radio-television Telecommunications Commission (CRTC) issued Telecom Public Notice CRTC 2008-17, *Establishment of a CISC ad hoc committee for area code relief planning in Quebec area code 450*, in which it established the CISC ad hoc Relief Planning Committee (RPC) for NPA 450. The Public Notice directed the RPC to set aside, at a minimum, 7 CO Codes for initial code assignments and 10 CO Codes for initial code assignments for new entrants only. Subsequent discussions between CRTC staff and the CNA authorized the CNA to retain the 7 CO Codes for initial code assignments in the assignment pool. The CNA then updated the R-NRUF forecast for NPA 450 to include the 10 CO Codes for initial code assignments for new entrants only and the revised R-NRUF forecasts.

The updated November 2008 R-NRUF forecast, in conjunction with Telecom Public Notice CRTC 2008-17 and the CRTC Staff Opinion regarding assignment of the 7 CO Codes set aside for initial code assignments in a Jeopardy Condition, indicated that the Projected Exhaust Date had moved in to December 2010.

As a result of the above provisions, on 10 November 2008 the CNA declared that NPA 450 is in Jeopardy Condition.

In Telecom Notice of Consultation CRTC 2009-179, *Establishment of a CISC ad hoc committee for area code relief planning for area code 705 in Northern Ontario*, issued by the Commission on 6 April 2009, paragraph 7 stated: "In developing its recommendations, the 705 RPC is directed to set aside, at a minimum, 7 central office codes for initial code assignments and 10 central office codes for initial code assignments for new entrants only."

The CNA immediately set aside 17 CO Codes in accordance with the Telecom Notice of Consultation.

On May 13, 2009, after analysis of the Revised 2009 General Numbering Resource Utilization Forecast (G-NRUF) for NPA 705, the CNA announced that NPA 705 was in a Jeopardy Condition.

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 March 2010 in Telecom Decision CRTC 2010-152.

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 450 Projected Exhaust Date is now forecast for March 2011.
- The NPA 705 Projected Exhaust Date is now forecast for October 2011.

NPA 450 April 2010 J-NRUF Results								
Actual		Forecast						
Nombre total des codes IC attribués et réservés en date du -Total quantity of existing CO Codes assigned & reserved as of		Nombre total des codes IC attribués et réservés ainsi que les IC qui son inassignable à partir du Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of						
2010-01-01	2010-04-01	2010-07-01	2011-01-01	2012-01-01	2013-01-01	2014-01-01	2015-01-01	2016-01-01
710	726	737	785	893	922	938	958	976
Projected Exhaust Date		March 2011						
NPA 450 is in a Jeopardy Condition.								
Note- Telecom Decision CRTC 2009-255 - the 7 Initial Code become assignable in Jeopardy Condition								
Telecom Decision CRTC 2009-255 - the 17 CO Codes corresponding to the Future NPA Codes are available for assignment until 17 August 2010								
New Overlay NPA 579 In-service 21 August 2010.								

Summary of Projected Exhaust Dates

As indicated in the following table, forecasts for NPA 450 were used to determine Projected Exhaust Dates, i.e. the dates when CO Codes in NPA 450 would be expected to exhaust.

Source	Projected Exhaust Date
G-NRUF January 2007	September 2013
R-NRUF January 2008	October 2014
R-NRUF July 2008	September 2012.

Source	Projected Exhaust Date
Updated November R-NRUF Forecast in conjunction with Telecom Public Notice CRTC 2008-17 and CRTC Staff Opinion regarding Jeopardy Condition	December 2010
J-NRUF December 31, 2008 (assumes the 7 CO Codes for Initial Code Assignment are available for assignment; however the 17 CO Codes that are the same as the Future Geographic NPA Codes listed below are not available for assignment)	November 2010*
J-NRUF December 31, 2008 (assumes the 7 CO Codes for Initial Code Assignment and the 17 CO Codes that are the same as the Future Geographic NPA Codes listed below are available for assignment)	February 2011**
J-NRUF January, 2009	November 2010
J-NRUF April, 2009	November 2010
J-NRUF July, 2009	December 2010
J-NRUF October, 2009	November 2010
J-NRUF January, 2010	December 2010
J-NRUF April, 2010	March 2011

* In accordance with the current Guidelines and Telecom Public Notice CRTC 2008-17.

** In accordance with the recommendations in the NPA 450 Planning Document.

The CO Codes corresponding to future Canadian Geographic NPAs in NPA 450 are 249, 257, 273, 354, 365, 367, 382, 387, 428, 487, 579, 639, 683, 851, 871, 873, 879, & 942.

NPA 705 April 2010 J-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 & reserved plus unassignable Codes as of:								
2010-01-01	2010-04-01	2010-07-01	2010-10-01	2011-01-01	2011-04-01	2012-01-01	2013-01-01	2014-01-01	2015-01-01	2016-01-01
675	683	718	735	742	770	847	893	956	1010	1029
Projected Exhaust Date					October 2011					
NPA 705 is in a Jeopardy Condition.										
Note- Telecom Notice of Consultation CRTC 2009-179										
In calculating the PED the CNA has assumed that the 7 Initial Codes become assignable in a Jeopardy Condition										
New Overlay NPA 249 In-service 19 March 2011.										

Summary of Projected Exhaust Dates

As indicated in the following table, forecasts for NPA 705 were used to determine Projected Exhaust Dates, i.e. the dates when CO Codes in 705 would be expected to exhaust.

Source	Projected Exhaust Date
G-NRUF January 2007	December 2013
R-NRUF July 2007	May 2015
R-NRUF January 2008	September 2014
R-NRUF July 2008	February 2015
R-NRUF January 2009	October 2012
R-NRUF January 2009 updated with Telecom Notice of Consultation CRTC 2009-179 and CRTC Staff Opinion regarding unforecasted demand	June 2012
J-NRUF July 2009	October 2011
J-NRUF October 2009	October 2011
J-NRUF January, 2010	October 2011
J-NRUF April, 2010	October 2011

3. Schedule of Future NRUF Activities This Year

Due Date	NRUF Type	NRUF Format	NPA's
30 July 2010	J – NRUF	Format 3 – proposed by CNA	204
30 July 2010	J – NRUF	Format 3 – proposed by CNA	705
30 July 2010	R – NRUF	Format 3 – proposed by CNA	250/604/778
30 July 2010	R – NRUF	Format 1 – proposed by CNA	289/905
30 July 2010	R – NRUF	Format 1 – proposed by CNA	416/647
30 July 2010	R – NRUF	Format 1 – proposed by CNA	819
29 October 2010	J – NRUF	Format 3 – proposed by CNA	204
29 October 2010	J – NRUF	Format 3 – proposed by CNA	705

4. J–NRUF Assumptions

The assumptions used for the January 2010 J-NRUF for NPAs 450 and 705 are the assumptions that were provided on 20 October 2009 to the CNA by the Canadian Steering Committee on Numbering (CSCN) for conducting the January 2010 G-NRUF.

Two Projected Exhaust Dates were calculated using the assumptions shown in the results tables above.

5. Conclusion

In accordance with the Guideline, the CNA has conducted an assessment, at a total aggregate level, to determine whether the April 2010 J-NRUF results are reasonable and the Projected Exhaust Dates for NPAs 450 and 705 are realistic.

The CNA notes that the Canadian telecommunications environment continues to go through a period of significant change due to competition in local exchange and wireless markets.

Based on this assessment, in the CNA's opinion, the April 2010 J-NRUF results appear as reasonable as possible. The Projected Exhaust Dates for NPAs 450 and 705 are generally realistic based on the information provided by those TSPs that submitted data.

NPA 450 CO Code Inventory Chart

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 450 assigned and In-Service as of 18 June 2010. It identifies 49 CO Codes that are unassignable prior to a Jeopardy Condition, 25 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.

		Overlay
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)	2
	Protected Code(s)	0
	Home NPA Code(s) (450)	1
	Current Neighbouring NPA Codes (514, 819, 343) (CO Codes 438 & 613 are assigned in NPA 450)	3
	Future Canadian Geographic NPA Codes (Note 1)	14
	Plant Test Codes (958 & 959)	2
	Special 7-digit Dialling Codes (610 & 810)	2
	CO Codes set aside for New Entrants only before the Relief Date	N/A
	CO Codes set aside for Initial Code assignments after relief via an overlay	7
	CO Codes set aside for Initial Code assignments for New Entrants only after relief via an overlay	10
	Subtotal	49
C	CO Codes assignable prior to a Jeopardy Condition (C=A-B)	747
D	CO Codes unassignable prior to a Jeopardy Condition that became assignable in a Jeopardy Condition:	
	Future Canadian Geographic NPA Codes (Note 2)	17
	Current Neighbouring NPA Codes (assign 343 in the North Eastern portion of NPA 450 as far as possible from the Rivière-Beaudette EAS)	1
	CO Codes set aside for Initial Code assignments after relief via an overlay	7
	Subtotal	25
E	Assignable CO Codes in a Jeopardy Condition (E=C+D)	772
F	Assigned CO Codes as of 18 June 2010	683
G	Net CO Codes available for assignment as of 18 June 2010 without a Jeopardy Condition (G=C-F)	64
H	Net CO Codes available for assignment as of 18 June 2010 in a Jeopardy Condition (H=E-F)	89

April 2010 J-NRUF Report

Notes:

1. 16 out of a total of 34 Future Canadian Geographic NPA Codes are already assigned in NPA 450.
2. The following 18 Future Canadian Geographic NPA Codes are currently unavailable for assignment as CO Codes in NPA 450: 257, 273, 354, 367, 382, 387, 428, 487, 639, 683, 851, 871, 879, and 972. The following 14 Future Canadian Geographic NPA Codes should be made available for assignment as CO Codes in this NPA 450 in and after a Jeopardy Condition: 257, 273, 354, 367, 382, 387, 428, 487, 639, 851, 871, 873, 879, and 972.

NPA 705 CO Code Inventory Chart

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 705 assigned and In-Service as of 18 June 2010. It identifies 51 CO Codes that are unassignable prior to a Jeopardy Condition, 26 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.

		Overlay
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)	2
	Protected Code(s)	0
	Home NPA Code(s) (705, 249)	2
	Current Neighbouring NPA Codes (226, 289, 343, 519, 613, 807, 819, 905)	8
	Future Canadian Geographic NPA Codes (354, 460, 468, 537, 548, 584, 683, 825, 851, 871 - see Note 1)	10
	Plant Test Codes (958 & 959)	2
	Special 7-digit Dialling Codes (610 & 810)	2
	CO Codes set aside for New Entrants only before the Relief Date	N/A
	CO Codes set aside for Initial Code assignments after relief via an overlay	7
	CO Codes set aside for Initial Code assignments for New Entrants only after relief via an overlay	10
	Subtotal	51
C	CO Codes assignable prior to a Jeopardy Condition (C=A-B)	749
D	CO Codes unassignable prior to a Jeopardy Condition that became assignable in a Jeopardy Condition:	
	Future Canadian Geographic NPA Codes (Note 2)	10
	Current Neighbouring NPA Codes (Note 3)	0
	CO Codes set aside for Initial Code assignments after relief via an overlay	7
	Subtotal	17
E	Assignable CO Codes in a Jeopardy Condition (E=C+D)	766
F	Assigned CO Codes as of 18 June 2010	631
G	Net CO Codes available for assignment as of 18 June 2010 without a Jeopardy Condition (G=C-F)	118
H	Net CO Codes available for assignment as of 18 June 2010 in a Jeopardy Condition (H=E-F)	135

Notes:

1. 21 CO Codes corresponding to the 33 Future Canadian Geographic NPA Codes (excluding 579 assigned for future relief of NPA 450) are already assigned in NPA 705, leaving 12 that are unassignable.
2. The following 10 CO Codes corresponding to the Future Canadian Geographic NPA Codes are currently unavailable for assignment in NPA 705: 354, 460, 468, 537, 548, 584, 683, 825, 851 and 871. The following 10 Future Canadian Geographic NPA Codes should be made available for assignment in NPA 705 in a Jeopardy Condition: 468, 354, 460, 537, 548, 584, 683, 825, 851 and 871 (see section 13).
3. In an extreme Jeopardy Condition (i.e., if the Projected Exhaust Date advances such that it occurs before the Relief Date), the 8 CO Codes corresponding to current Neighbouring NPA Codes (226, 289, 343, 519, 613, 807, 819 & 905) may be made assignable in certain portions of NPA 705 with CRTC staff approval.