

**Report for July 2012 J-NRUF – NPA 204, 306 & 902
to the
Canadian Steering Committee on Numbering (CSCN)**

Updated: 10 October 2012

Issued by:
Canadian Numbering Administrator
SAIC Canada

Suresh Khare
1516 – 60 Queen St.
Ottawa, ON

1. Purpose of the J-NRUF

Section 8.1 of the Canadian NPA Relief Planning Guideline 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.

As a result of the provisions contained in section 8.1, the CNA announced on 5 May 2010 that NPA 204 was in a Jeopardy Condition based on the results of the January 2010 G-NRUF. Analysis of the results of the January 2011 G-NRUF showed that NPA 306 also met the criteria identified in section 8.1 and, consequently, on 29 March 2011 the CNA declared that this NPA was also in a Jeopardy Condition.

On 24 May 2012, the CRTC issued Telecom Notice of Consultation CRTC 2012-309, in which it declared that a Jeopardy Condition also exists in NPA 902 which covers the geographic area of Nova Scotia and Prince Edward Island.

In accordance with section 8.2 of the Canadian NPA Relief Planning Guideline and section 3, item 3 of the Canadian Numbering Resource Utilization Forecast (C-NRUF) Guideline, the CNA is required to request a Jeopardy Numbering Resource Utilization Forecast (J-NRUF) once a Jeopardy Condition has been declared for a specific NPA.

When an NPA is declared by the CNA to be in a Jeopardy Condition, the CNA initiates a J-NRUF to obtain actual and forecast data to assist in the monitoring and management of the limited numbering resources available for assignment until relief is provided. The J-NRUF is normally conducted on a quarterly basis from the date that the Jeopardy Condition is declared by the CNA until three months before relief is implemented.

The CNA has prepared this report in accordance with the Canadian Numbering Resource Utilization Forecast (C-NRUF) Guideline (the Guideline) approved by the CRTC on 29 September 2010 in Telecom Decision CRTC 2010-724.

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 204 Projected Exhaust Date (PED) with CO Code assignment restrictions included as directed by the CRTC in Telecom Notice of Consultation CRTC 2009-309 is November 2012, which is the same as the April 2012 J-NRUF result.
- The NPA 204 PED without the CO Code assignment restrictions directed by the CRTC is now August 2012, which moved the PED out by three (3) months from the April 2012 J-NRUF result of May 2012.

- The NPA 306 PED with CO Code assignment restrictions included is May 2013, which is the same as the April 2012 J-NRUF result.
- The NPA 306 PED without the CO Code assignment restrictions is now January 2013, which moved the PED in by three (3) months from the April 2012 J-NRUF result of April 2013.
- The NPA 902 PED with CO Code assignment restrictions included as directed by the CRTC in Telecom Notice of Consultation CRTC 2012-309 is June 2015.
- The NPA 902 PED without the CO Code assignment restrictions is May 2014, which moved the PED in by eight (8) months from the January 2012 R-NRUF result of January 2016.

NPA 204/431 July 2012 J-NRUF V-1 Aggregate Results											
CO Code assignment restrictions are included in the JCP and/or directed by the CRTC											
Actual		Forecast									
Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of		Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of									
2012-01-01	2012-07-01	2012-08-01	2012-09-01	2012-10-01	2012-11-01	2013-01-01	2014-01-01	2015-01-01	2016-01-01	2017-01-01	2018-01-01
714	741	756	770	779	785	921	987	1001	1020	1037	1057
Projected Exhaust Date		November 2012									
NPA 204 is in a Jeopardy Condition.											
Note - Telecom Notice of Consultation CRTC 2009-309											
Note - Relief Date 3 November 2012 - Telecom Decision CRTC 2010-526											

NPA 204/431 July 2012 J-NRUF V-2 Aggregate Results											
CO Code assignment restrictions are not included in the JCP and/or directed by the CRTC											
Actual		Forecast									
Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of		Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of									
2012-01-01	2012-07-01	2012-08-01	2012-09-01	2012-10-01	2012-11-01	2013-01-01	2014-01-01	2015-01-01	2016-01-01	2017-01-01	2018-01-01
714	772	797	826	838	842	939	1005	1024	1053	1068	1089
Projected Exhaust Date		August 2012									
NPA 204 is in a Jeopardy Condition.											
Note - Telecom Notice of Consultation CRTC 2009-309											
Note - Relief Date 3 November 2012 - Telecom Decision CRTC 2010-526											

Summary of Projected Exhaust Dates

As indicated in the following table, forecasts for NPA 204 were used to determine Projected Exhaust Dates, i.e. the dates when CO Codes in NPA 204 would be expected to exhaust.

NRUF	Projected Exhaust Date
G-NRUF January 2008	December 2021
G-NRUF January 2009	September 2010
J-NRUF April 2009	January 2011
J-NRUF April 2009 adjusted by CNA for code rationing per CRTC TNC 2009-309 (28 May 2009)	March 2015
J-NRUF July 2009 (with code rationing taken into account by TSPs)	October 2016
R-NRUF January 2010 (with code rationing taken into account by TSPs)	May 2013
J-NRUF July 2010 (with code rationing taken into account by TSPs)	April 2013
J-NRUF October 2010 (with code rationing taken into account by TSPs)	November 2012
J-NRUF - V1 January 2011 (with code rationing taken into account by TSPs)	September 2012
J-NRUF - V2 January 2011 (with code rationing not taken into account by TSPs)	December 2011
J-NRUF - V1 April 2011 (with code rationing taken into account by TSPs)	October 2012
J-NRUF - V2 April 2011 (with code rationing not taken into account by TSPs)	November 2011
J-NRUF - V1 July 2011 (with code rationing	October 2012

NRUF	Projected Exhaust Date
taken into account by TSPs)	
J-NRUF - V2 July 2011 (with code rationing not taken into account by TSPs)	February 2012
J-NRUF - V1 October 2011 (with code rationing taken into account by TSPs)	September 2012
J-NRUF - V2 October 2011 (with code rationing not taken into account by TSPs)	May 2012
J-NRUF - V1 January 2012 (with code rationing taken into account by TSPs)	November 2012
J-NRUF - V2 January 2012 (with code rationing not taken into account by TSPs)	June 2012
J-NRUF - V1 April 2012 (with code rationing taken into account by TSPs)	November 2012
J-NRUF - V2 April 2012 (with code rationing not taken into account by TSPs)	May 2012
J-NRUF - V1 July 2012 (with code rationing taken into account by TSPs)	November 2012
J-NRUF - V2 July 2012 (with code rationing not taken into account by TSPs)	August 2012

NPA 306/639 July 2012 J-NRUF V-1 Aggregate Results													
CO Code Conservation Measures are included in the JCP and/or directed by the CRTC													
Actual		Forecast											
Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of		Total quantity of existing and future CO Codes forecast to be assigned & reserved as of											
		2012-01-01	2012-07-01	2012-10-01	2013-01-01	2013-02-01	2013-03-01	2013-04-01	2013-05-01	2013-06-01	2014-01-01	2015-01-01	2016-01-01
730	737	759	778	782	790	794	797	837	862	866	888	899	912
Projected Exhaust Date								May 2013					
NPA 306 is in a Jeopardy Condition.													
Note - Telecom Notice of Consultation CRTC 2011-260													
Note - Relief Date 25 May 2013 - Telecom Decision CRTC 2011-533													

NPA 306/369 July 2012 J-NRUF V-2 Aggregate Results													
CO Code assignment restrictions are not included in the JCP and/or directed by the CRTC													
Actual		Forecast											
Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of		Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of											
2012-01-01	2012-07-01	2012-10-01	2013-01-01	2013-02-01	2013-03-01	2013-04-01	2013-05-01	2013-06-01	2014-01-01	2015-01-01	2016-01-01	2017-01-01	2018-01-01
730	737	779	800	822	832	833	851	890	918	924	948	961	973
Projected Exhaust Date		January 2013											
NPA 306 is in a Jeopardy Condition.													
Note - Telecom Notice of Consultation CRTC 2011-260													
Note - Relief Date 25 May 2013 - Telecom Decision CRTC 2011-533													

Summary of Projected Exhaust Dates

As indicated in the following table, forecasts for NPA 306 were used to determine Projected Exhaust Dates, i.e. the dates when CO Codes in NPA 306 would be expected to exhaust.

NRUF	Projected Exhaust Date
G-NRUF January 2010	April 2018
G-NRUF January 2011	August 2013
J-NRUF April 2011	July 2013
J-NRUF - V1 July 2011 (with code rationing taken into account by TSPs)	November 2013
J-NRUF - V2 July 2011 (with code rationing not taken into account by TSPs)	February 2013
J-NRUF - V1 October 2011 (with code rationing taken into account by TSPs)	September 2013
J-NRUF - V2 October 2011 (with code rationing not taken into account by TSPs)	February 2013
J-NRUF - V1 January 2012 (with code rationing taken into account by TSPs)	May 2013
J-NRUF - V2 January 2012 (with code rationing not taken into account by TSPs)	January 2013
J-NRUF - V1 April 2012 (with code rationing taken into account by TSPs)	May 2013
J-NRUF - V2 April 2012 (with code rationing not taken into account by TSPs)	April 2013
J-NRUF - V1 July 2012 (with code rationing taken into account by TSPs)	May 2013

NRUF	Projected Exhaust Date
G-NRUF January 2010	April 2018
J-NRUF - V2 July 2012 (with code rationing not taken into account by TSPs)	January 2013

NPA 902 July 2012 J-NRUF V-1 Aggregate Results														
CO Code Conservation Measures are included in the JCP and/or directed by the CRTC														
Actual		Forecast												
Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of		Total quantity of existing and future CO Codes forecast to be assigned & reserved as of												
2012-01-01	2012-07-01	2012-10-01	2013-01-01	2013-04-01	2013-07-01	2013-10-01	2014-01-01	2014-04-01	2014-07-01	2014-10-01	2015-01-01	2016-01-01	2017-01-01	2018-01-01
663	699	702	734	739	745	746	758	760	768	771	795	839	858	875
Projected Exhaust Date											June 2015			
NPA 902 is in a Jeopardy Condition.														
Note - Telecom Notice of Consultation CRTC 2012-309														

NPA 902 July 2012 J-NRUF V-2 Aggregate Results														
CO Code Conservation Measures are not included in the JCP and/or directed by the CRTC														
Actual		Forecast												
Total quantity of existing CO Codes assigned & reserved plus unassignable CO Codes as of		Total quantity of existing and future CO Codes forecast to be assigned & reserved as of												
2012-01-01	2012-07-01	2012-10-01	2013-01-01	2013-04-01	2013-07-01	2013-10-01	2014-01-01	2014-04-01	2014-07-01	2014-10-01	2015-01-01	2016-01-01	2017-01-01	2018-01-01
663	699	710	748	755	771	774	791	795	825	829	854	868	890	914
Projected Exhaust Date											May 2014			
NPA 902 is in a Jeopardy Condition.														
Note - Telecom Notice of Consultation CRTC 2012-309														

Summary of Projected Exhaust Dates

As indicated in the following table, forecasts for NPA 902 were used to determine Projected Exhaust Dates, i.e. the dates when CO Codes in NPA 902 would be expected to exhaust.

NRUF	Projected Exhaust Date
G-NRUF January 2010	February 2018
G-NRUF January 2011	May 2017
R-NRUF July 2011	April 2017
R - NRUF January 2012	January 2016
J-NRUF – V1 July 2012 (with restrictions) (adjusted per Telecom Notice of Consultation CRTC 2012-309 directive to set aside 7 CO Codes for initial code assignments for carriers already providing service, and 10 for initial code assignments for new entrants)	June 2015
J-NRUF – V2 July 2012 (without restrictions) (adjusted per Telecom Notice of Consultation CRTC 2012-309 directive to set aside 7 CO Codes for initial code assignments for carriers already providing service, and 10 for initial code assignments for new entrants)	May 2014

3. Schedule of Future J- NRUF Activities This Year

Due Date	NRUF Type	NRUF Format	NPA's
October 31	J-NRUF	As determined by RPC	306 & 902

4. J-NRUF Assumptions

The assumptions for the July 2012 J-NRUF for NPAs 204, 306 and 902 are the same as were provided on 25 October 2011 to the CNA by the Canadian Steering Committee on Numbering (CSCN) for conducting the January 2012 G-NRUF.

Two Projected Exhaust Dates (i.e. V1 and V2) were calculated using these assumptions and are shown in the results tables above.

5. Conclusion

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.

In accordance with the Guideline, the CNA has conducted an assessment, at a total aggregate level, to determine whether the July 2012 J-NRUF results are reasonable and the Projected Exhaust Dates for NPAs 204, 306 and 902 are realistic.

Based on this assessment, in the CNA's opinion, the July 2012 V-1 J-NRUF results appear to be as reasonable as possible. The Projected Exhaust Dates for NPAs 204, 306 and 902 are generally realistic based on the information provided by those TSPs that submitted data.

NPA 204 CO Code Inventory Chart

The following chart and the instructions it contains will apply in NPA 204 in a Jeopardy Condition.

The chart showed 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 204 assigned and In-service as of 14 September 2012. It identifies 25 CO Codes that are unassignable prior to a Jeopardy Condition, 5 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.

		Quantity
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 Code(s)	0
	Home NPA Code (204, 431)	2
	Current Neighboring NPA Codes (306 - see Note 1)	1
	Future Canadian Geographic NPA Codes (273, 387, 460, 584, 879) - this quantity reduces to 4 if code 584 is made assignable as recommended in Note 4 (see Notes 2 & 4)	5
	Plant Test Codes (959 – see Note 3)	1
	Special 7-digit Dialling Codes (610 & 810)	2
	911 Misdial Codes (912, 914 & 915)	3
	Total B	25
C	CO Codes assignable prior to a Jeopardy Condition (C=A-B)	775
D	CO Codes unassignable prior to a Jeopardy Condition that became assignable in a Jeopardy Condition:	
	Future Canadian Geographic NPA Codes - this quantity reduces to zero if 584 is made assignable prior to Jeopardy as recommended in Note 4	1
	Current Neighbouring NPA Codes (assign CO Code 306 in the eastern portion of NPA 204)	1
	911 Misdial Codes (912, 914 & 915)	3
	Total D	5
E	Assignable CO Codes in a Jeopardy Condition (E=C+D)	780
F	Assigned CO Codes as of 14 September 2012	699
G	Net CO Codes available for assignment as of 14 September 2012 without a Jeopardy Condition (G=C-F)	76
H	Net CO Codes available for assignment as of 14 September 2012 in a Jeopardy Condition (H=E-F)	81

July 2012 J-NRUF Report

Notes:

1. The CO Code corresponding to neighbouring NPA Code 867 is already assigned in NPA 204.
2. 26 of the CO Codes corresponding to the 32 Future Canadian Geographic NPA Codes are already assigned in NPA 204.
3. CO Code 958, a Plant Test Code in all other Canadian NPAs, was assigned and is in-service in NPA 204.
4. The 5 CO Codes corresponding to the Future Canadian Geographic NPA Codes that are currently unavailable for assignment in NPA 204 are 273, 387, 460, 584 & 879. Per Telecom Decision CRTC 2010-526, the relief NPA for NPA 204 should be 431, and CO Codes 273, 387, 460 and 879 should remain unassignable as they may be suitable for relief of adjacent NPAs; only CO Code 584 would be available for assignment.

NPA 306 CO Code Inventory Chart

The following chart and the instructions it contains will apply in NPA 306 in a Jeopardy Condition.

The chart showed 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 306 assigned and In-service as of 14 September 2012. It identifies 33 CO Codes that are unassignable prior to a Jeopardy Condition, 13 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.

		Quantity
A	Total CO Codes in NPAs 306 (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
	Home NPA Code(s) (306)	1
	Current Neighboring NPA Codes (204, 403, 431 – See Note 2)	3
	Future Geographic NPA Codes (437, 474, 568, 639, 851, 871, 879, 942 – See Note 3)	8
	Plant Test Codes (958 & 959)	2
	Special 7-digit Dialling Codes (610 & 810)	2
	CO Codes set aside for Initial Codes for New Entrants only (Telecom Notice of Consultation CRTC 2011-260)	3
	9-1-1 Misdial Codes (912, 914 & 915)	3
	Total B	33
C	CO Codes assignable prior to a Jeopardy Condition (C=A-B)	767
D	CO Codes unassignable prior to a Jeopardy Condition that become assignable in a Jeopardy Condition:	
	911 Misdial Codes (912, 914 & 915)	3
	Current Neighboring NPA Codes (assign CO Code 403 in the eastern portion of NPA 306 and assign CO Codes 204 and 431 in the western portion of NPA 306)	3
	Future Canadian Geographic NPA Codes (437, 474, 568, 851, 871, 879, 942 – See Note 3)	7
	Total D	13
E	CO Codes set aside for New Entrants recommended by RPC (912, 914, 915, 403, 204, 431, 437, 942)	8
F	CO Codes unassignable prior to a Jeopardy Condition that become assignable in a Jeopardy Condition (F=D-E)	5
G	Assignable CO Codes in a Jeopardy Condition (G=C+F)	772
H	Assigned CO Codes as of 14 September 2012	709
I	Net CO Codes available for assignment as of 14 September 2012 without a Jeopardy Condition (I=C-H)	58
J	Net CO Codes available for assignment as of 14 September 2012 in a Jeopardy Condition (J=F+I)	63

July 2012 J-NRUF Report

Notes:

1. 21 of the 29 CO Codes corresponding to Future Canadian Geographic NPA Codes are already assigned, in-service, or available for assignment in NPA 306 leaving 8 CO Codes as currently unavailable for assignment.
2. CO Codes 406, 587, 780 and 867 are already assigned as CO Codes in NPA 306. CO Codes 701 and 926 are available for assignment outside the North Portal EAS.
3. CO Codes for New Entrants recommended by the RPC should be assigned from the pool in the following order: 912, 914, 915, 403, 204, 431, 437 and 942.
4. CO Codes 474, 568, 851, 871, 879 are available for assignment as a last resort in NPA 306.
5. CO Code 639 should remain unassignable as it is the Relief NPA.

NPA 902 CO Code Inventory Chart

The following chart and the instructions it contains will apply in NPA 902 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 902 assigned and In-service as of 14 September 2012. It identifies forty (41) CO Codes that are unassignable prior to a Jeopardy Condition, fourteen (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 Codes that become assignable in a Jeopardy Condition should be made available in the same order as listed in the chart.

		Quantity
A	Total CO Codes in NPAs 902 (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
	Home NPA Code(s) (902)	1
	Current Neighbouring NPA Codes (506)	1
	Future Geographic NPA Codes (263, 782, 851, 942)	4
	Plant Test Codes (958 & 959)	2
	Special 7-digit Dialling Codes (310, 610 & 810)	2
	CO Codes set aside for Initial Codes for New Entrants only (for assignment after relief via an overlay [or before if a split])	10
	CO Codes set aside for Initial Codes for carriers already providing service (for assignment after relief via an overlay [or before if a split])	7
	9-1-1 Misdial Codes (912, 914 & 915)	3
	Total B	41
C	CO Codes assignable prior to a Jeopardy Condition (C=A-B)	759
D	CO Codes unassignable prior to a Jeopardy Condition that become assignable in a Jeopardy Condition:	
	Future Canadian Geographic NPA Codes (263, 851, 942)	3
	Current Neighbouring NPA Codes (assign CO Code 506 in the Eastern portion of NPA 902)	1
	CO Codes set aside for Initial Code assignments after relief via an overlay (available subject to CRTC staff approval)	4
	911 Misdial Codes (912, 914 & 915)	3
	Total D	11
E	Assignable CO Codes in a Jeopardy Condition (E=C+D)	770
F	Assigned CO Codes as of 14 September 2012	663
G	Net CO Codes available for assignment as of 14 September 2012 without a Jeopardy Condition (G=C-F)	96
H	Net CO Codes available for assignment as of 14 September 2012 in a Jeopardy Condition (H=E-F)	107

July 2012 J-NRUF Report

Notes:

1. 23 of the 26 CO Codes corresponding to Future Canadian Geographic NPA Codes are already assigned, in-service, or available for assignment in NPA 902 leaving 3 CO Codes as currently unavailable for assignment.
2. CO Codes 263, 782, 851 and 942 are unavailable for assignment in NPA 902. CO Code 782 cannot become assignable even in a Jeopardy Condition as it would correspond to the new NPA, therefore must remain unassignable as a CO Code. CO Codes 263, 851 and 942 should become available for assignment in a Jeopardy Condition.