

**Report for January 2011 J-NRUF – NPA 204
to the
Canadian Steering Committee on Numbering (CSCN)**

Published: April 13, 2011

Issued by:
Canadian Numbering Administrator
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1. Purpose of the J-NRUF

On December 15, 2009 the CNA requested a Relief Planning Number Resource Utilization Forecast (R-NRUF) from all current and prospective Code Holders in NPA 204. Analysis of those results showed that the Projected Exhaust Date for NPA 204 had moved in by three years and five months to early May 2013, from the July 2009 J-NRUF result of October 2016.

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.

A Jeopardy Condition exists when the forecasted and/or actual demand for CO Codes will exceed the known supply during the planning/ implementation interval for relief before the Relief Plan can be implemented.

At the time the NPA 204 R-NRUF results were released, the May 2013 Projected Exhaust Date was within the 36 month window specified in item a) above and a Planning Document had not yet been sent to the CRTC for a Decision on the Relief Method and Relief Date. Consequently, the CNA again declared a Jeopardy Condition for NPA 204.

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 204 Projected Exhaust Date with CO Code assignment restrictions included as directed by the CRTC is now September 2012, which is an advance of two months. The October 2010 J-NRUF results had indicated that the Projected Exhaust Date was November 2012.
- The NPA 204 Projected Exhaust Date with CO Code assignment restrictions not included as directed by the CRTC is December 2011.

| NPA 204 January 2011 J-NRUF 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 | | | | | | | | | | | |
| | 2011-01-01 | 2011-04-01 | 2011-07-01 | 2011-10-01 | 2012-01-01 | 2012-04-01 | 2012-07-01 | 2012-10-01 | 2013-01-01 | 2014-01-01 | 2015-01-01 | 2016-01-01 |
| 690 | 713 | 737 | 755 | 777 | 787 | 793 | 833 | 867 | 939 | 962 | 985 | 994 |
| Projected Exhaust Date | | | | | | September 2012 | | | | | | |

NPA 204 is in a Jeopardy Condition.

Note - Telecom Notice of Consultation CRTC 2010-526

New Overlay NPA 431 In-service 3 November 2012.

| NPA 204 January 2011 J-NRUF 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 | | | | | | | | | | | |
| | 2011-01-01 | 2011-04-01 | 2011-07-01 | 2011-10-01 | 2012-01-01 | 2012-04-01 | 2012-07-01 | 2012-10-01 | 2013-01-01 | 2014-01-01 | 2015-01-01 | 2016-01-01 |
| 690 | 737 | 761 | 779 | 822 | 831 | 837 | 858 | 897 | 964 | 987 | 1011 | 1020 |
| Projected Exhaust Date | | | | | | December 2011 | | | | | | |

NPA 204 is in Jeopardy Condition.

Note - Telecom Notice of Consultation CRTC 2010-526

New Overlay NPA 431 In-service 3 November 2012.

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 January 2011 (with code rationing taken into account by TSPs) | September 2012 |
| J-NRUF January 2011 (with code rationing not taken into account by TSPs) | December 2011 |

3. Schedule of Future NRUF Activities This Year

| Due Date | NRUF Type | NRUF Format | NPAs |
|-----------------|-----------|----------------------------|--|
| 15 April 2011 | J – NRUF | Format 3 – proposed by CNA | 306 |
| 28 April 2011 | J – NRUF | Format 3 – proposed by CNA | 204, 819 |
| 29 July 2011 | J – NRUF | Format 3 – proposed by CNA | 204, 306, 819 |
| 8 August 2011 | R-NRUF | Format 2 – proposed by CNA | 250/604/778, 289/905, 416/647, 902 |
| 31 October 2011 | J – NRUF | Format 3 – proposed by CNA | 204, 306, 819 |

4. J–NRUF Assumptions

The assumptions for the January 2011 J-NRUF for NPA 204 were provided on 26 October 2010 to the CNA by the Canadian Steering Committee on Numbering (CSCN) for conducting the January 2011 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 January 2011 J-NRUF results are reasonable and the Projected Exhaust Dates for NPAs 204 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 January 2011 J-NRUF results appear to be as reasonable as possible. The Projected Exhaust Date for NPA 204 is 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 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 204 assigned and In-Service as of 13 April 2011. For an Overlay option it identifies 26 CO Codes that are unassignable prior to a Jeopardy Condition, 6 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 Neighbouring NPA Codes (306 and 807 - see Note 1) | 2 |
| | Future Canadian Geographic NPA Codes (273, 387, 460, 584, 879) - this quantity reduces to 5 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 |
| | Subtotal | 26 |
| C | CO Codes assignable prior to a Jeopardy Condition (C=A-B) | 774 |
| 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 and assign CO Code 807 in the western portion of NPA 204) | 2 |
| | 911 Misdial Codes (912, 914 & 915) | 3 |
| | Subtotal | 6 |
| E | Assignable CO Codes in a Jeopardy Condition (E=C+D) | 780 |
| F | Assigned CO Codes as of 13 April 2011 | 701 |
| G | Net CO Codes available for assignment as of 13 April 2011 without a Jeopardy Condition (G=C-F) | 73 |
| H | Net CO Codes available for assignment as of 13 April 2011 in a Jeopardy Condition (H=E-F) | 79 |

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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.