

**January 2017 J-NRUF Report – NPA 418/581 and NPA 709 to the
Canadian Steering Committee on Numbering (CSCN)**

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1. Purpose of the J-NRUF

Section 8.1 of Canadian NPA Relief Planning Guideline, Version 6.0 dated 20 November 2014 states that:

..., a Jeopardy Condition exists when any NRUF or other CO Code assignment data indicates that the projected demand for CO Codes will exceed the quantity of CO Codes available for assignment before the date that relief is scheduled to be implemented.

In accordance with the Canadian Numbering Resource Utilization Forecast (C-NRUF) Guideline (the C-NRUF Guideline), approved by the Canadian Radio-television and Telecommunications Commission (CRTC) in Telecom Decision CRTC 2015-166 dated 29 April 2015:

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 of when relief is implemented.

Based on the January 2016 G-NRUF results, NPA 709 was within the 6-year window for NPA relief planning. The Projected Exhaust Date (PED) for NPA 709 was May 2019. Therefore the CNA determined and advised CRTC staff that NPA 709 was in a Jeopardy Condition in accordance with section 8.1 of the Canadian NPA Relief Planning Guideline (Version 6.0) as approved by Telecom Decision CRTC 2014-603.

On 31 May 2016 in Telecom Notice of Consultation CRTC 2016-207 the CRTC announced that “area codes 418 and 581 are now in a jeopardy condition”. Accordingly, on 15 December 2016, the CNA requested current and prospective Canadian CO Code Holders to submit a J-NRUF for NPA 418/581 and NPA 709 with a due date of 1 February 2017.

The CNA has prepared this J-NRUF report in accordance with the C-NRUF Guideline.

2. High Level Summary

The CNA has rationalized the January 2017 J-NRUF input from various TSPs and the variance from previous inputs appears reasonable.

The NPA 418/581 Version 1 Projected Exhaust Date has moved out to September 2020 due to the change of some TSPs' expansion plans. The NPA 709 January 2017 J-NRUF Version 1 Projected Exhaust Date is forecast for August 2019. These Projected Exhaust Dates are due to the CO Code assignment restrictions imposed by the CRTC in Telecom Notices of Consultation CRTC 2016-205 and CRTC 2016-207, respectively.

The NPA 418/581 January 2017 J-NRUF Version 2 Projected Exhaust Date is now forecast for February 2018.

The NPA 709 January 2017 J-NRUF Version 2 Projected Exhaust Date is now forecast for February 2018.

NPA 418/581

NPA 418/581 - January 2017 J-NRUF V-1 Aggregate 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 as of								
2017-01-01	2018-01-01	2018-04-01	2018-07-01	2018-10-01	2019-01-01	2020-01-01	2021-01-01	2022-01-01	2023-01-01
1256	1392	1407	1419	1422	1483	1530	1653	1798	1875
Projected Exhaust Date - September 2020									
NPA 418/581 is in a Jeopardy Condition.									

NPA 418/581 - January 2017 J-NRUF V-2 Aggregate 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 as of								
2017-01-01	2018-01-01	2018-04-01	2018-07-01	2018-10-01	2019-01-01	2020-01-01	2021-01-01	2022-01-01	2023-01-01
1409	1591	1638	1674	1684	1727	1843	1984	2089	2122
Projected Exhaust Date - February 2018									
NPA 418/581 is in a Jeopardy Condition.									

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

NPA 418/581 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
418/581	January 2015 G-NRUF	27 March 2015	November 2023
418/581	January 2016 G-NRUF	21 March 2016	April 2019
418/581	April 2016 S-NRUF	15 May 2016	March 2019
418/581	July 2016 J-NRUF	2 September 2016	March 2019
418/581	October 2016 J-NRUF	5 December 2016	March 2019
418/581	January 2017 J-NRUF	29 March 2017	September 2020

NPA 709

NPA 709 - January 2017 J-NRUF V-1 Aggregate 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 as of								
2017-01-01	2018-01-01	2018-04-01	2018-07-01	2018-10-01	2019-01-01	2020-01-01	2021-01-01	2022-01-01	2023-01-01
570	627	656	680	707	761	846	983	1010	1017
Projected Exhaust Date - August 2019									
NPA 709 is in a Jeopardy Condition.									

NPA 709 - January 2017 J-NRUF V-2 Aggregate 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 as of								
2017-01-01	2018-01-01	2018-04-01	2018-07-01	2018-10-01	2019-01-01	2020-01-01	2021-01-01	2022-01-01	2023-01-01
570	718	749	775	828	882	940	1078	1106	1118
Projected Exhaust Date - February 2018									
NPA 709 is in a Jeopardy Condition.									

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

NPA 709 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
709	January 2015 G-NRUF	27 March 2015	August 2024
709	January 2016 G-NRUF	21 March 2016	May 2019
709	April 2016 J-NRUF	15 May 2016	March 2019
709	July 2016 J-NRUF	2 September 2016	March 2019
709	October 2016 J-NRUF	5 December 2016	March 2019
709	January 2017 J-NRUF	29 March 2017	August 2019

3. Schedule of Future J- NRUF Activities in this Year

Due Date	NRUF Type	NRUF Format	NPA
April 28, 2017	J-NRUF	Format 3	418/581
July 31, 2017	J-NRUF	Format 3	418/581
October 31, 2017	J-NRUF	Format 3	418/581
April 28, 2017	J-NRUF	Format 3	709
July 31, 2017	J-NRUF	Format 3	709
October 31, 2017	J-NRUF	Format 3	709

4. J–NRUF Assumptions

The assumptions used for the January 2017 J-NRUF for NPA 418/581 and NPA 709 are the assumptions that were provided on 25 October 2016 to the CNA by the Canadian Steering Committee on Numbering (CSCN) for conducting the January 2017 NRUF.

Item 4 of the 25 October 2016 letter states, in part:

Where the CNA believes, based on its analysis of past growth and NRUF forecast data for an NPA, that the six-year forecast average annual growth may not be the best methodology for that NPA for projecting growth beyond the six-year forecast period, the CNA shall advise the CSCN as to the alternative method it proposes to use.

In this instance, the CNA compared the average forecast growth for the next five years, the median forecast growth for the next five years and the median and average historical growth for the past five years. The lowest number resulting from these calculations was the one used to identify future Projected Exhaust Dates. In the case of NPA 709, the historical average was used and in NPA 418/581 the historical median was used.

5. Summary of Challenges Encountered During the J-NRUF Process

Most TSPs continue to rely on the CNA to remind them of the due date. The CNA started contacting companies on 24 January 2017. Despite this initiative, some J-NRUF submissions were late and incorrect.

Most Code Holders were confused about the difference between Version 1 and Version 2 of the J-NRUFs. Some companies also neglected to complete Version 2 of the J-NRUFs.

6. Conclusion

In accordance with Section 4, Item 6 h) of the Canadian Numbering Resource Utilization Forecast (C-NRUF) Guideline, the CNA has conducted assessments, sought clarification and/or explanation from various TSPs to reconcile 2017 growth with current and historical forecasts. The CNA has concluded that the January 2017 J-NRUF results are reasonable and the Projected Exhaust Dates (PED) of September 2020 for NPA 418/581 and March 2019 NPA 709 are realistic.