

**July 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, approved by Telecom Decision CRTC 2014-603 and 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), Version 5.1, 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*.

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 27 March 2017, 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 28 April 2017.

Based on the July 2017 J-NRUF results, both the Jeopardy Conditions were suspended on 5 September 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 July 2017 J-NRUF input from various TSPs and the variance from previous inputs appears reasonable.

The NPA 418/581 Form 1 Projected Exhaust Date has moved out to February 2023.

The NPA 709 July 2017 J-NRUF Form 1 Projected Exhaust Date has moved out to March 2024.

The Projected Exhaust Dates have changed mainly due to a reduction in forecast of some TSPs, change in expansion plans and the failure of some to submit a forecast.

The NPA 418/581 July 2017 J-NRUF Form 2 Projected Exhaust Date remains unchanged at January 2020.

The NPA 709 April 2017 J-NRUF Form 2 Projected Exhaust Date has moved out to May 2023.

NPA 418/581

July 2017 J-NRUF NPA 418/581 Results - Form 1										
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	2017-07-01	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	1293	1390	1402	1408	1410	1485	1530	1556	1586	1595
Projected Exhaust Date - February 2023										

July 2017 J-NRUF NPA 418/581 Results - Form 2										
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	2017-07-01	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	1293	1430	1449	1466	1478	1544	1598	1655	1688	1720
Projected Exhaust Date - January 2020										

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
418/581	April 2017 J-NRUF	2 June 2017	September 2020
418/581	July 2017 J-NRUF	5 September 2017	February 2023

NPA 709

July 2017 J-NRUF NPA 709 Results - Form 1										
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	2017-07-01	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	571	626	635	639	644	679	738	757	774	781
Projected Exhaust Date - March 2024										

July 2017 J-NRUF NPA 709 Results - Form 2										
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	2017-07-01	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	571	630	641	647	652	687	745	764	781	794
Projected Exhaust Date - May 2023										

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
709	April 2017 J-NRUF	2 June 2017	August 2019
709	July 2017 J-NRUF	5 September 2017	March 2024

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

With the Jeopardy Conditions suspended there are no future J-NRUF activities scheduled for NPA 418/581 and NPA 709. Until relief has been implemented in the NPAs or either NPA returns to a Jeopardy Condition, all future NRUF activity will be according to the R-NRUF schedule.

4. J-NRUF Assumptions

The assumptions used for the July 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 July 2017. Despite this initiative, some J-NRUF submissions were late and incorrect. Some TSPs that had previously submitted J-NRUF data did not submit forecasts for the July 2017 J-NRUF. The CNA in consultation with the CRTC staff has used their current existing quantities

of CO Codes assigned, if applicable, and assumed no forecast growth for calculations of the Projected Exhaust Date (PED).

Most CO Code Holders continue to be confused by the difference between Form 1 and Form 2 of the J-NRUFs. Some companies also neglected to complete Form 2 of the J-NRUFs.

Numerous TSPs also submitted incorrect data with regards to their January 1, 2017 and July 1, 2017 Actual values that had to be corrected before the CNA could start its analysis of the data.

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 July 2017 J-NRUF results are reasonable and the PEDs of February 2023 for NPA 418/581 and March 2024 for NPA 709 are realistic.

Based on the July 2017 J-NRUF results, the Jeopardy Conditions for NPA 418/581 and NPA 709 were suspended on 5 September 2017.