

**April 2021 NPA 249/705 & 343/613 J-NRUF Report to the
Canadian Steering Committee on Numbering (CSCN)**

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1. Purpose of the J-NRUF

Section 9.1 of *Canadian NPA Relief Planning Guideline*, Version 7.0 dated 29 January 2019 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*, Version 5.1 (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 2021 R-NRUF results published on 23 February 2021, the Canadian Numbering Administrator (CNA) concluded that a Jeopardy Condition existed in NPAs 249/705 and 343/613 which covers the geographic areas of North-Central and Eastern Ontario.

On 1 March 2021 CRTC staff directed the CNA to:

- enforce the *Canadian NPA Relief Planning Guideline, Appendix F – Jeopardy Contingency Plan (JCP)* in NPA 343/613;
- freeze central office code assignments per the January 2021 R-NRUF submissions; and
- conduct area code complex 343/613 Jeopardy-Numbering Resource Utilization Forecasts (J-NRUFs) at the area code level of detail.

On 11 March 2021 CRTC staff directed the CNA to:

- enforce the *Canadian NPA Relief Planning Guideline, Appendix F – Jeopardy Contingency Plan (JCP)* in NPA 249/705;
- freeze central office code assignments per the January 2021 R-NRUF submissions; and
- conduct area code complex 249/705 Jeopardy-Numbering Resource Utilization Forecasts (J-NRUFs) at the area code level of detail.

The Jeopardy Contingency Plans dictate that the CNA request two versions (two separate worksheets – Form 1 and Form 2) of the J-NRUF input from all current and prospective CO Code Holders quarterly until three (3) months before relief is provided. The forecasted quantities in Form 1 should be the same as or lower than the January 2021 R-NRUF input previously submitted. CO Code Holder forecasts may reflect an increase in demand in the period after the Relief Date. Form 2 will reflect the actual demand required by the CO Code Holder's current business plan and will be provided for information purposes only.

In accordance with the CRTC staff directions, the CNA conducted a J-NRUF in April 2021.

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

2. High Level Summary

The CNA has rationalized the April 2021 NPA 249/705 and NPA 343/613 J-NRUF input from various Telecommunications Service Providers (TSPs) and the variance from previous inputs appears reasonable.

NPA 249/705

The April 2021 NPA 249/705 J-NRUF Projected Exhaust Date (PED) remains April 2023, due to the CRTC staff directed J-NRUF restrictions.

NPA 249/705 - April 2021 J-NRUF Form 1 Aggregate Results										
Forecast quantities cannot exceed January 2021 R-NRUF										
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								
2021-01-01	2021-04-01	2021-07-01	2021-10-01	2022-01-01	2022-04-01	2023-01-01	2024-01-01	2025-01-01	2026-01-01	2027-01-01
1219	1228	1294	1338	1406	1486	1547	1762	1860	2016	2095
Projected Exhaust Date (PED) - April 2023										

NPA 249/705 - April 2021 J-NRUF Form 2 Aggregate Results										
Forecast quantities are not limited to January 2021 R-NRUF										
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								
2021-01-01	2021-04-01	2021-07-01	2021-10-01	2022-01-01	2022-04-01	2023-01-01	2024-01-01	2025-01-01	2026-01-01	2027-01-01
1219	1223	1308	1357	1437	1527	1630	1830	1942	2099	2185
Projected Exhaust Date (PED) - September 2022										

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

NPA 249/705 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
249/705	G-NRUF January 2018	20 March 2018	February 2024
249/705	R-NRUF July 2018	27 July 2018	July 2025
249/705	R-NRUF January 2019	26 March 2019	July 2025
249/705	R-NRUF July 2019	20 September 2019	March 2026
249/705	R-NRUF January 2020	24 March 2020	April 2026
249/705	R-NRUF July 2020	22 July 2020	May 2025
249/705	R-NRUF January 2021	23 February 2021	April 2023
249/705	J-NRUF April 2021	28 April 2021	April 2023

NPA 343/613

The April 2021 NPA 343/613 J-NRUF PED remains October 2022, due to the CRTC staff directed J-NRUF restrictions.

NPA 343/613 - April 2021 J-NRUF Form 1 Aggregate Results									
Forecast quantities cannot exceed January 2021 R-NRUF									
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							
2021-01-01	2021-04-01	2021-07-01	2021-10-01	2022-01-01	2023-01-01	2024-01-01	2025-01-01	2026-01-01	2027-01-01
1294	1300	1358	1423	1487	1653	1767	1888	1981	2047
Projected Exhaust Date (PED) - October 2022									

NPA 343/613 - April 2021 J-NRUF Form 2 Aggregate Results									
Forecast quantities are not limited to January 2021 R-NRUF									
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							
2021-01-01	2021-04-01	2021-07-01	2021-10-01	2022-01-01	2023-01-01	2024-01-01	2025-01-01	2026-01-01	2027-01-01
1294	1295	1368	1440	1528	1704	1819	1938	2042	2106
Projected Exhaust Date (PED) - June 2022									

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

NPA 343/613 Summary of Projected Exhaust Dates			
NPA	Type of C-NRUF	Date of Publication	Projected Exhaust Date
343/613	G-NRUF January 2017	29 March 2017	April 2025
343/613	G-NRUF January 2018	20 March 2018	February 2024
343/613	R-NRUF July 2018	27 July 2018	August 2022
343/613	R-NRUF January 2019	26 March 2019	December 2023
343/613	R-NRUF July 2019	20 September 2019	September 2025
343/613	R-NRUF January 2020	24 March 2020	June 2025
343/613	R-NRUF July 2020	22 July 2020	February 2024

343/613	R-NRUF January 2021	23 February 2021	October 2022
343/613	J-NRUF April 2021	28 April 2021	October 2022

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

Due Date	NRUF Type	NRUF Format	NPA
15 July	J-NRUF	Format 3	249/705 & 343/613
15 October	J-NRUF	Format 3	249/705 & 343/613

4. J-NRUF Assumptions

The assumptions used for the April 2021 NPA 343/613 and NPA 249/705 J-NRUF are the assumptions directed by CRTC staff on 1 and 11 March 2021 to the CNA.

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 7 April 2021. Despite this initiative, some J-NRUF submissions were late and incorrect.

Most CO Code Holders were confused about the difference between the Form 1 and Form 2 J-NRUF worksheets and had to be reminded to complete Form 2.

6. Conclusion

In accordance with Section 4, Item 6h) of the C-NRUF Guideline, the CNA has conducted assessments, sought clarification and/or explanation from various TSPs to reconcile 2021 growth with current and historical forecasts to determine whether the April 2021 J-NRUF results are reasonable.

The NPA 249/705 April 2021 Form 1 (with Assignment Restrictions) PED of April 2023 and Form 2 (without Assignment Restrictions) PED of September 2022 are realistic.

The NPA 343/613 April 2021 Form 1 (with Assignment Restrictions) PED of October 2022 and Form 2 (without Assignment Restrictions) PED of June 2022 are realistic.