

Canadian Steering Committee on Numbering

Date: 20 December 2023

BY EMAIL

To: Secretary General
Canadian Radio-television and Telecommunications Commission
Ottawa, Ontario
K1A 0N2

ATTN: Marc Morin

Subject: Request to have additional NPA codes reserved for future Canadian Geographic and Non-Geographic use

Dear Sir,

In 2022 the Canadian Steering Committee on Numbering (CSCN) worked on CSCN Task Information Form (TIF) 110 *Identify Solutions to Mitigate NPA and NXX Numbering Exhaust* and subsequently, on 24 June 2022, submitted report CNRE135A to the CRTC Interconnection Steering Committee (CISC). The report was accepted by the CISC on 4 July 2022.

The CSCN is currently working on TIF 112 *Address assignment rate of Non-Geographic (6YY) CO Codes* which was undertaken due to an alarming increase in the forecast demand of Non-Geographic (6YY) numbers. The report for TIF 112 should be completed and sent to the CISC soon.

The latest Numbering Resource Utilization Forecast (referred to as the July 2023 NRUF), indicates that Canada will deplete its North American Numbering Plan (NANP) reserved Geographic NPAs by March 2028 and will require 3 additional codes one year later (see attached charts). To cover the forecast requirements for the next 20 years, Canada will need 22 NPAs added to the Geographic NPA reservation pool.

Additionally, based on the July 2023 NRUF, Canada will use up its NANP reserved Non-Geographic NPAs by June 2029 and will require the next code in May 2030. To cover the forecast requirements for the next 20 years, Canada will need 21 NPAs added to the Non-Geographic NPA reservation pool.

The North American Numbering Plan Administrator's (NANPA) April 2023 report states that the NANP is projected to exhaust in 2051 (2045 with sensitivity analysis applied). It should be noted, however, that the NANP exhaust is calculated based on data that includes Canadian forecast data and it can be assumed that Canada would be requesting these codes.

The CSCN thinks it prudent that Canada looks to have additional NPA resources reserved for its use, for Geographic and Non-Geographic purposes, as indicated in our latest forecasts. Therefore, the CSCN respectfully requests the CRTC to approach NANPA and the US Federal Communications Commission (FCC) to facilitate the reservations.

Sincerely,

Canadian Steering Committee on Numbering

Sent via email by

Kelly T. Walsh
Chair
Canadian Steering Committee on Numbering

Atts: CNA July 2023 NRUF Results Charts
July 2023 NRUF Results sheet "Geo exhaust to 2045"
July 2023 NRUF Results sheet "Non-Geo exhaust to 2045"

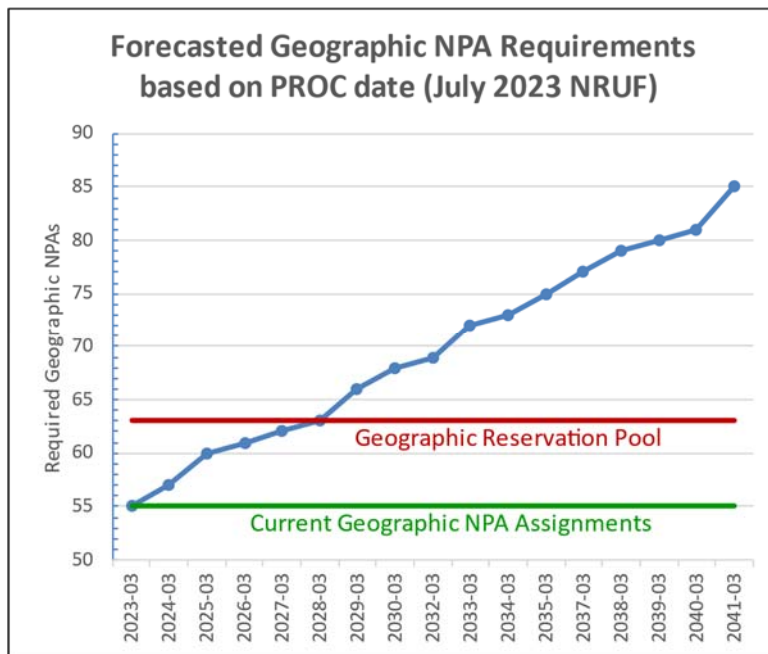
c.c. Michel Murray, CRTC staff
Étienne Robelin, CRTC staff
Alexander Pittman, CRTC staff

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CNA July 2023 NRUF Results Charts

On 18 August 2023 the Canadian Numbering Administrator (CNA) published the combination Number Resource Utilization Forecast (NRUF) as of 1 July 2023. The following are charted results that depict the aggregate forecasts over time for both the Geographic Central Office (CO) codes and the Non-Geographic (6YY) codes. Both graphs indicate the current assignments as of July 2023 (green line) and include a marker (red line) indicating the remaining Number Plan Area (NPA) codes available as reservations in the North American Numbering Plan (NANP) Administrator's (NANPA) database.

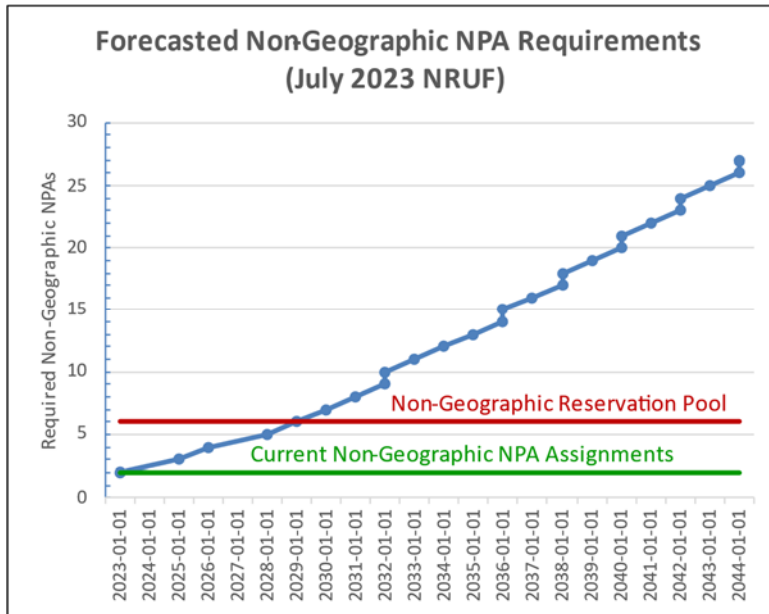
Geographic CO Codes



As indicated in the *Forecasted Geographic NPA Requirements based on PROC date* chart above, Canada has 55 Geographic NPAs currently in use with an additional 8 NPAs in our NANP reservation pool. Based on July 2023 NRUF data, Canada will use the last of the reserved Geographic NPAs in approximately March 2028 to produce the Proposal for Relief of an Overlay NPA Complex (PROC) and will require the 3 next NPAs in March 2029.

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Non-Geographic (6YY) Codes



As indicated in the *Forecasted Non-Geographic NPA Requirements* chart above, Canada currently has 2 Non-Geographic NPAs currently in use with an additional 4 NPAs in our NANP reservation pool. Based on July 2023 NRUF data Canada will use the last of the reserved NPAs approximately in June 2029 and require the next one in May 2030.

NPA Complex	January / July 2023 G- & R-NRUF PED	Start Proc Dev.	Relief NPAs	Status	NPAs Set Aside for Specific Relief
709/879	Oct-2024		879	Approved	
236/250/604/672/778	Nov-2025		257	Approved	
416/437/647	Dec-2025		942	Approved	
367/418/581	Jun-2027	Mar-2024	1		
782/902	Feb-2028	Mar-2024		Set aside	851
368/403/587/780/825	Apr-2028	Mar-2025		Set aside	568
289/365/742/905	Jul-2028	Mar-2025		Set aside	537
343/613/753	Mar-2029	Mar-2025	1		
249/683/705	Jun-2029	Mar-2026		Set aside	460
226/382/519/548	Jun-2030	Mar-2027	1		
236/250/604/672/778	Apr-2031	Mar-2028	1		
468/819/873	Jun-2032	Mar-2029	1		
306/474/639	Sep-2032	Mar-2029	1		
204/431/584	Oct-2032	Mar-2029	1		
416/437/647	Jul-2033	Mar-2030		Set aside	387
263/438/514	Sep-2033	Mar-2030	1		
367/418/581	Jul-2035	Mar-2032	1		
289/365/742/905	May-2036	Mar-2033	1		
354/450/579	Feb-2037	Mar-2033	1		
368/403/587/780/825	Mar-2037	Mar-2033	1		
226/382/519/548	Jul-2037	Mar-2034	1		
343/613/753	Jan-2039	Mar-2035	1		
236/250/604/672/778	Feb-2039	Mar-2035	1		
807	Aug-2040	Mar-2037	1		
782/902	Oct-2040	Mar-2037	1		
249/683/705	Apr-2041	Mar-2038	1		
416/437/647	Oct-2041	Mar-2038	1		
468/819/873	Feb-2043	Mar-2039	1		
289/365/742/905	Feb-2044	Mar-2040	1		
367/418/581	May-2044	Mar-2041	1		
306/474/639	Jun-2044	Mar-2041	1		
428/506	Aug-2044	Mar-2041	1		
226/382/519/548	Sep-2044	Mar-2041	1		

NPAs forecasted			25
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Reserved NPAs			3
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NPAs needed			22
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KEY	
	Approved NPAs
	Set aside NPAs
	2024-2030
	2031-2040
	2041-2045

NPAs Reserved by NANP for Canada
273
871
487

NON-GEOGRAPHICAL NPAs

Non-GEO NPAs	Forecast Growth	NPAs Added	January 2023 G-NRUF	Remarks	Comment
622		1		Existing NPA	In service 2015-06-15
633	Forecast	1	Sep-23	Existing NPA	In service 2023-05-15
644		1	Jul-25	Reserved for Canada	
655		1	Sep-26	Reserved for Canada	
677		1	Jan-28	Reserved for Canada	
688		1	Jun-29	Reserved for Canada	
TBD -	Six Year Average	1	May-30		
TBD -		1	Mar-31		
TBD -		1	Jan-32		
TBD -		1	Nov-32		
TBD -		1	Sep-33		
TBD -		1	Jun-34		
TBD -		1	Apr-35		
TBD -		1	Jan-36		
TBD -		1	Oct-36		
TBD -		1	Jul-37		
TBD -		1	Mar-38		
TBD -		1	Nov-38		
TBD -		1	Aug-39		
TBD -		1	Apr-40		
TBD -		1	Dec-40		
TBD -		1	Aug-41		
TBD -		1	Mar-42		
TBD -		1	Nov-42		
TBD -		1	Jul-43		
TBD -		1	Feb-44		
TBD -	1	Sep-44			
Total NPAs needed		27			
Working NPAs		2			
Reserved for Canada		4			
New NPAs to be reserved		21			