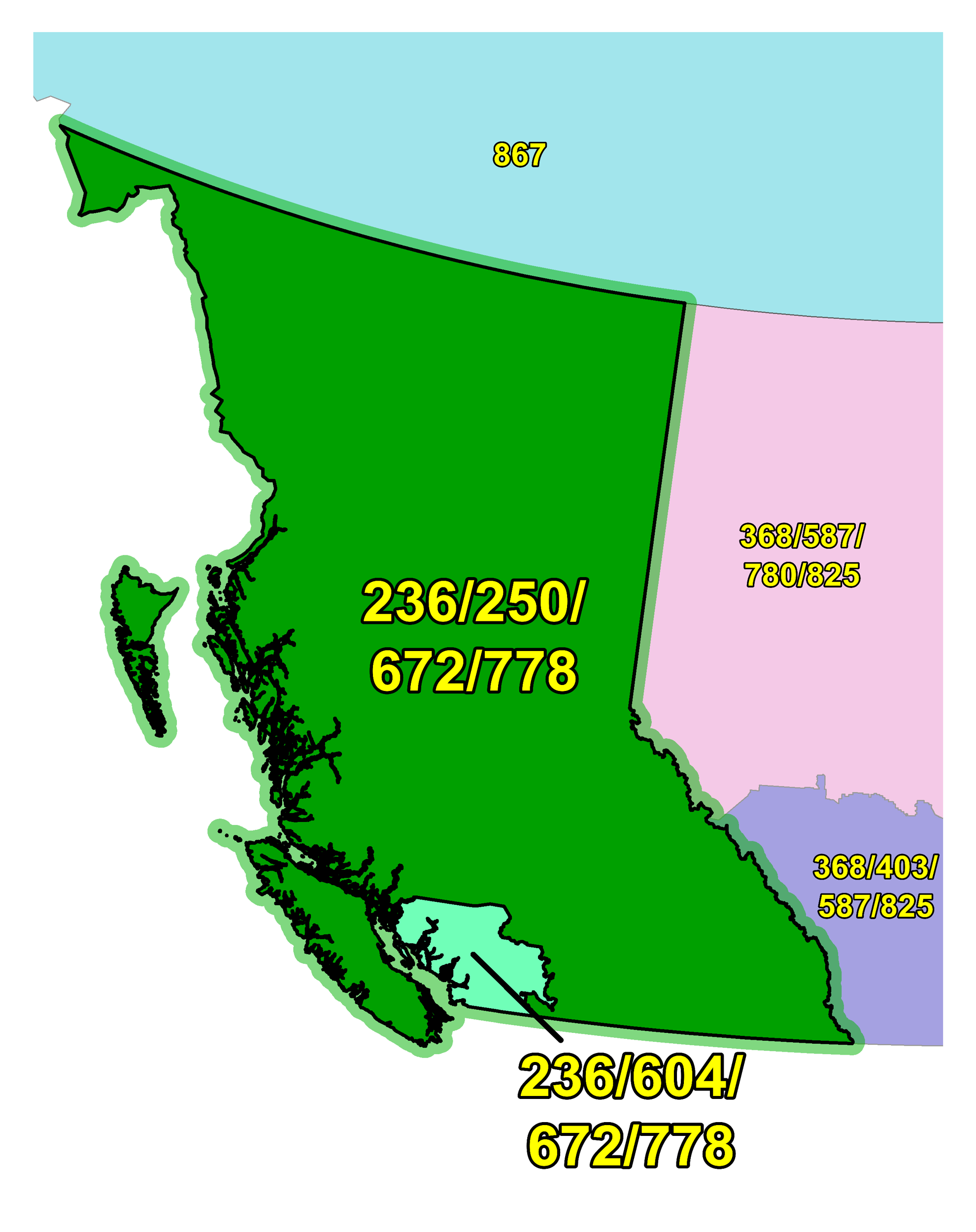
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| --- | --- |
|  | **NPA 236/250/604/672/778**  **Relief Planning** |

NPA 236/250/604/672/778 Proposal for Relief of an Overlay Complex (PROC)

Version 1.0 – 15 September 2022

Canadian Numbering Administrator (CNA)

CNA Staff

613-702-0016

150 Isabella Street, Suite 605 Ottawa ON K1S 5H3

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|  |  |
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|  |  |

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**ACRONYM LIST**

|  |  |
| --- | --- |
| CATF | Consumer Awareness Task Force |
| CISC | CRTC Interconnection Steering Committee |
| CLEC | Competitive Local Exchange Carrier |
| CLNPC | Canadian Local Number Portability Consortium |
| CNA | Canadian Numbering Administrator |
| CO | Central Office |
| CRTC | Canadian Radio-television and Telecommunications Commission |
| CSCN | Canadian Steering Committee on Numbering |
| G-NRUF | General Numbering Resource Utilization Forecast |
| ILEC | Incumbent Local Exchange Carrier |
| IPD | Initial Planning Document |
| ISP | Internet Service Provider |
| JCP | Jeopardy Contingency Plan |
| J‑NRUF | Jeopardy Numbering Resource Utilization Forecast |
| LEC | Local Exchange Carrier |
| LIR | Local Interconnection Region |
| LNP | Local Number Portability |
| LPZ | Location Porting Zone *(Metro Vancouver)* |
| NANP | North American Numbering Plan |
| NANPA | North American Numbering Plan Administrator |
| NITF | Network Implementation Task Force |
| NoC | Notice of Consultation |
| NPA | Numbering Plan Area (Area Code) |
| NRUF | Number Resource Utilization Forecast |
| PD | Planning Document |
| PED | Projected Exhaust Date |
| PL | Planning Letter |
| POI | Point of Interconnection |
| PSAP | Public Safety Answering Point |
| RIP | Relief Implementation Plan |
| R-NRUF | Relief Planning Numbering Resource Utilization Forecast |
| RPC | Relief Planning Committee |
| TSP | Telecommunications Service Provider |
| WNP | Wireless Number Portability |
| WSP | Wireless Service Providers |

**Proposal for Relief of an Overlay NPA Complex (PROC)**

**Number Plan Area (NPA) 236/250/604/672/778**

# INTRODUCTION

Area Code 604 was originally assigned to British Columbia (BC) by AT&T in 1947 as one of the 86 area codes to be used in Canada and the continental United States.

The following table provides a high-level summary of the history of Area Codes in British Columbia since 1947.

|  |  |
| --- | --- |
| **Year** | **Activity** |
| 1947 | Area Code 604 is assigned to BC by AT&T |
| 1996 | Area Code 250 is split from 604 to serve most of British Columbia including [Vancouver Island](https://en.wikipedia.org/wiki/Vancouver_Island) and the Interior Mainland of British Columbia, including the 12 Exchange Areas served by NorthwesTel, while the geographic area containing the Lower Mainland (the southwest part of British Columbia) retains Area Code 604 |
| 2001 | New Area Code 778 Concentrated Overlay of Greater Vancouver Regional District, Abbotsford and Mission, parts of 604 (Lower Mainland BC including Vancouver) is introduced; remaining 604 Central Office (CO) Codes retained for Area Code 604 outside the concentrated overlay; mandatory ten-digit local dialling is implemented in Area Codes 604 and 778 at this time |
| 2007 | Area Code 778 Concentrated Overlay of 604 is extended to cover all of British Columbia (province-wide overlay) to provide relief for Area Code 250; remaining Area Code 604 CO Codes become assignable throughout the 604 region |
| 2008 | Mandatory ten-digit local dialling implemented in 250 area in British Columbia (mandatory ten-digit local dialling becomes universal in the Province of British Columbia) |
| 2013 | New Area Code 236 overlays 250/604/778 in British Columbia (province-wide overlay) |
| 2019 | New Area Code 672 overlays 236/250/604/778 in British Columbia (province-wide overlay) |

In accordance with the *Canadian Numbering Resource Utilization Forecast (C‑NRUF) Guideline*, the CNA is required to conduct a semi‑annual R-NRUF in January and July of each year once an NPA has entered the NPA Relief Planning window.

The table below provides a brief overview of recent activities leading to the development of this PROC for NPA 236/250/604/672/778:

| **Date** | **Activity** |
| --- | --- |
| 15 December 2020 | The Canadian Numbering Administrator (CNA) initiated its January 2021 General Numbering Resource Utilization Forecast (G‑NRUF); |
| 12 February 2021 | The CNA notified Canadian Radio‑television and Telecommunications Commission (CRTC) staff that NPA 236/250/604/672/778 had entered the relief planning window of 72 months, and noted that in accordance with the Guideline, the CRTC is required to issue a Telecom Notice of Consultation (NoC) for the establishment of a CRTC Interconnection Steering Committee (CISC) ad hoc committee for area code relief planning in Area Code 236/250/604/627/778 for the province of British Columbia; |
| 23 February 2021 | The CNA released the aggregate results of the January 2021 G‑NRUF which indicated that the Projected Exhaust Date (PED) for NPA 236/250/604/672/778 had moved in to February 2027; |
| 30 July 2021 | The CRTC issued Telecom Notice of Consultation CRTC 2021‑244, in which it established a CISC ad hoc Relief Planning Committee (RPC) to examine options for providing relief to Area Code 236/250/604/672/778 in British Columbia; |
| 19 August 2021 | The CNA published the July 2021 R‑NRUF results which indicated that the PED had moved out to March 2027; |
| 01 March 2022 | The CNA published the January 2022 R‑NRUF results which indicated that the PED had remained at March 2027; |
| 19 August 2022 | The CNA published the July 2022 R-NRUF results which indicated that the PED had advanced to July 2026. |

The CNA notes that based on a Current (September 2022) NRUF from 9 September 2022, that the PED for NPA 236/250/604/672/778 has changed to May 2026.

This PROC is prepared by the CNA in accordance with Telecom Notice of Consultation CRTC 2021‑244 and the *Canadian NPA Relief Planning Guideline*, Version 7.0 dated 29 January 2019 (the Guideline). A copy of the Guideline is available from the CSCN guidelines web page at: <https://crtc.gc.ca/cisc/eng/cisf3fg.htm>.

The objective of the NPA Relief Planning process is to ensure that Central Office (CO) Codes and telephone numbers are always available for use by Telecommunications Service Providers (TSPs) and their customers in the geographic area requiring relief.

It is very important to closely monitor the CO Code requirements of all existing and prospective CO Code Holders so that relief can be timed to ensure that CO Codes and telephone numbers are always available for service providers and customers.

This PROC addresses the need for numbering relief in the province of British Columbia, which is the geographic area served by NPA Codes 236, 250, 604, 672 and 778. The province of British Columbia is divided into 311 Exchange Areas. Lists of the Exchange Areas in BC excluding the Lower Mainland (Table 1) and Exchange Areas in the Lower Mainland (Table 2) are provided in [Annex B](https://comsolveinccom.sharepoint.com/sites/CNAStaff/CNA%20Project%20Share/NPA-Relief-Planning/NPA236-250-604-672-778/PROC%20related/NPA_236-250-604-778-PROC%20-2022.docx). The following table provides a breakdown of the number of Exchange Areas that are currently served by the five NPA Codes.

|  |  |  |
| --- | --- | --- |
| NPA Code | Geographic Area Served | # Exchange Areas |
| 236 | All of British Columbia | 311 |
| 250 | All of British Columbia except the Lower Mainland | 268 |
| 604 | Lower Mainland | 43 |
| 672 | All of British Columbia | 311 |
| 778 | All of British Columbia | 311 |

In this PROC, a single option is identified for providing NPA relief in the NPA 236/250/604/672/778 geographic area. Given the magnitude of this undertaking, intercompany commitment and co‑operation are essential throughout the planning, provisioning and implementation stages of the introduction of a new NPA.

# NPA RELIEF PLANNING PROCESS

The NPA Relief Planning process and the roles of the participants (i.e. CRTC, CNA, CISC, RPC participants and Interested Parties) for NPA Relief Planning are identified in the Guideline.

To increase public awareness and participation in the NPA Relief Planning process, the CRTC has determined that NPA RPCs will be established as ad hoc committees of the CISC. Generally, a separate ad hoc committee is created to deal with relief in each area code. The CNA, in its function as NPA Relief Planning Coordinator, acts as chair of these ad hoc committees. Meetings and conference calls of the ad hoc NPA RPCs are all open to public participation and are conducted in accordance with the *CISC Administrative Guidelines* which are available from the CRTC website at: <http://www.crtc.gc.ca/cisc/eng/cag.htm>.

NPA Relief Planning is conducted under the regulatory oversight of the CRTC. Notwithstanding the process detailed in the Guideline, the CRTC may exercise its authority under the *Telecommunications Act* to alter this process at any time. The CRTC has the authority under the *Telecommunications Act* to review, modify and give final approval to the Planning Document (PD) and the Relief Implementation Plan (RIP) developed and submitted by the RPC to the CRTC via the CISC process.

Section 7.1.6 of the *Canadian NPA Relief Planning Guideline* requires the CNA to create and maintain a distribution list of parties who may be interested in participating in the RPC and to provide them with advance notice of the initial RPC meeting and the release of a PROC.

Any person wishing to participate in the NPA Relief Planning process can contact the CNA and request to be added to the RPC distribution list. More information on how to participate in CRTC public processes is available at: <http://www.crtc.gc.ca/eng/info_sht/g4.htm>.

A summary of Canadian geographic area code relief history is available at: <http://www.cnac.ca/npa_codes/NPA_History.pdf>.

# NPA RELIEF METHODS

The purpose of this section is to identify and briefly describe NPA Relief Methods.

The Guideline states that: “The only NPA Relief Method considered in Canada is the Distributed Overlay Method which superimposes or “overlays” a Relief NPA on top of an entire existing NPA or NPAs.” There are three types of Distributed Overlay:

1. a Distributed Overlay over an existing geographic area served by a single existing NPA (A new NPA is overlaid over a single existing NPA [i.e., the geographic area that is served by a single NPA]);
2. a Distributed Overlay over an existing geographic area served by multiple existing overlay NPAs (A new NPA is overlaid over a geographic area that is served by multiple existing overlay NPAs); and,
3. a Distributed Overlay over multiple existing geographic areas, each served by one or more existing NPAs (A new NPA is overlaid over multiple existing NPAs [i.e., different geographic areas served by multiple NPAs]. This type of overlay may be considered for NPA relief for two or more adjacent NPAs [i.e., geographic areas within a province]).

# NPA EXHAUST INFORMATION

As indicated in the following table, NRUFs for NPA 236/250/604/672/778 were used to determine PEDs, i.e. the dates when CO Codes in NPA 236/250/604/672/778 would be expected to exhaust.

|  |  |
| --- | --- |
| **NRUF** | **Projected Exhaust Date (PED)** |
| G-NRUF January 2021 | February 2027 |
| R-NRUF July 2021 | March 2027 |
| R‑NRUF January 2022 | March 2027 |
| R‑NRUF July 2022 | July 2026 |
| R-NRUF Current (September 2022) | May 2026 |

Refer to Annex A, Figure 2 through Figure 4 for graphs of forecast CO Code demand from current and prospective CO Code Holders and Administrative Codes set aside in Area Code 236/250/604/672/778.

# RELIEF OPTION

The Relief Option identified and examined in this PROC is a Distributed Overlay over an existing geographic area served by multiple existing overlay NPAs.

Using this method, a new NPA is overlaid over an existing NPA (i.e., the geographic area) that is served by multiple existing overlay NPAs 236/250/604/672/778.

The Relief Option identified above was evaluated using the following assumptions:

1. The Relief Date for the Distributed Overlay will be 24 May 2025 (approximately 12 months prior to the NPA 236/250/604/672/778 PED of May 2026 identified using the Current (September 2022) R‑NRUF results).

See Annex A, Figure 5 for a diagram of the Distributed Overlay Relief Option identified by the CNA.

## Distributed Overlay

A Distributed Overlay Relief Option was evaluated which would overlay the New NPA over all 311 Exchange Areas comprising the NPA 236/250/604/672/778 area. See Annex A, Figure 5.

The introduction of a Distributed Overlay would keep the same number of NPA Relief Planning areas in British Columbia.

After this Distributed Overlay, CO Codes in NPA 236/250/257/604/672/778 would be expected to exhaust in Q3 2033.

Subsequent exhaust of NPA 236/250/257/604/672/778 was forecast using the Historical Average growth value of 96 CO Codes per year by comparing the Current (September 2022) R-NRUF data in the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Statistical Method** | **Data** | **Period** | **Quantity of CO Codes** |
| Average | Forecast growth | five-year period (January 2023 until January 2028) | 172 |
| Average | Forecast growth | next six years | 184 |
| Average | Historical growth | past five years | 96 |

# SUMMARY OF RELIEF OPTION

|  |  |  |  |
| --- | --- | --- | --- |
| **Relief Option** | **Projected Exhaust Dates** | | **Subsequent Relief Dates** |
| **NPA 236/250/604/672/778** | **NPA 236/250/257/604/672/778** |
| Distributed Overlay | May 2026 | April 2033 | April 2032 |

# DIALLING CHANGES FOR LOCAL CALLS

Currently 10-digit dialling is mandatory for local calls originating within area code 236/250/604/672/778. Local dialling plans will not change when NPA 236/250/604/672/778 relief is implemented with new NPA 257.

The addition of the new NPA 257 will not affect the dialling plan for long-distance calls originating within NPA 236/250/604/672/778.

Implementation of new NPA 257 will not change the rating of calls.

# PROPOSED SCHEDULE

The RPC submits the following schedule for NPA 236/250/604/672/778 relief based on the recommendations contained in this PROC and the current PED of May 2026. The RPC will monitor the PED, and if it changes significantly in the future, the RPC will assess the situation and, if necessary, submit recommendations including a revised schedule to the CRTC for consideration and approval.

**RELIEF IMPLEMENTATION SCHEDULE**

**For an Overlay of new NPA 257 over NPA 236/250/604/672/778**

[Insert Proposed schedule from Excel worksheet]

# JEOPARDY CONTINGENCY PLAN (JCP)

The RPC has developed the following JCP for inclusion in the PD for NPA 236/250/604/672/778. This JCP is based on the example contained in Appendix F to the *Canadian NPA Relief Planning Guideline*.

This JCP shall remain in effect until superseded by a CRTC-approved JCP, the Jeopardy Condition is suspended, or 66 days prior to the Relief Date.

The following measures shall be implemented in NPA 236/250/604/672/778 while a Jeopardy Condition is in effect.

During a Jeopardy Condition, CO Code Applicants shall submit all CO Code applications and related correspondence for the Jeopardy NPA to CRTC staff in addition to the CNA. The CNA shall only assign CO Codes from the exhausting NPA to a CO Code Applicant when instructed by CRTC staff.

1. Carriers and/or Telecommunications Service Providers (TSPs):
   1. shall age disconnected residential wireline telephone numbers for a maximum of two months;
   2. shall age disconnected wireless telephone numbers for a maximum of three months;
   3. shall age disconnected business wireline telephone numbers for a maximum of six months. Under special circumstances, the six month aging limit for business telephone numbers may be extended to twelve months, if required, to accommodate local directory publishing dates for high volume call-in applications (e.g., heavily advertised local business numbers such as radio talk shows, food ordering services, ticket sales, chat lines), or for numbers associated with public service emergency applications or for numbers advertised in directories for which customers have requested reference of calls;
   4. shall return all CO Codes that are not being used, nor intended to be used to directly serve customers to the assignment pool within two months (e.g., plant test codes);
   5. should work towards, and encourage existing customers, to either activate or return the reserved numbers to bring the reserved quantity down to a maximum of 10% of the quantity of numbers In-Service for that customer;
   6. shall not allow the quantity of reserved numbers to be increased by new reservation requests by existing customers to more than 10% of the quantity of numbers in service for that customer. In the case of new customers, number reservations shall be limited to 10% of the total quantity of telephone numbers being placed into service for that customer;
   7. shall, within 45 days from the date that the CNA declares a Jeopardy Condition submit a Part 1 Form for each remaining reserved CO Code either returning the reserved CO Code to the CNA or requesting assignment of the reserved CO Code. Once the 45-day period has elapsed, the CNA shall make available for general assignment all CO Codes that are still reserved and have not been applied for as assignments on a Part 1 Form received by the CNA. Within 60 days from the date that the CNA declares a Jeopardy Condition, the CNA shall report to CRTC staff and the RPC as to how many of these codes have been assigned or made available for general assignment;
   8. shall not be permitted to obtain a new CO Code reservation;
   9. shall place all CO Codes assigned prior to the Jeopardy Condition being declared In-Service within three months of the effective date for CO Code activation in the network, or within three months of the date that the Jeopardy Condition was declared. If the CO Code is an Initial Code and the CO Code Holder can demonstrate that, due to circumstances beyond its control, the In-Service date has been delayed beyond the applicable timeframe, then the CNA may grant an extension of up to two months to the In-Service date. The CNA shall initiate reclamation procedures for all CO Codes that have not been placed In-Service within these timeframes unless CRTC staff provides a further extension.
2. For new applications for Initial Codes, each CO Code Holder shall certify that the CO Code will be activated in the network and placed In-Service within four months of the date of application for the Code. If the CNA does not receive a Part 4 Form within this timeframe, confirming that the CO Code has been placed In-Service, the CNA will initiate reclamation measures. If the CO Code Holder can demonstrate that, due to circumstances beyond its control, the In-Service date has been delayed not more than six months from the original application date, then the CNA may grant an extension to the In-Service date, so long as the In-Service date is not more than six months beyond the original application date. If the In-Service date has been delayed more than six months from the original application date, then the CNA shall reclaim the Code unless CRTC staff provides a further extension.
3. When applying for an Additional Code for Growth, a CO Code Holder who is submitting a Part 1 Form and Appendix B worksheet shall also submit a completed Supplementary Form for a Growth CO Code Application (attached) which certifies and/or provides the following information for the specific switching entity/POI and Exchange Area when the Growth CO Code is being requested in a Jeopardy Condition:
   1. certification that all held telephone numbers have been released;
   2. certification that reserved numbers do not exceed ten percent of the total quantity of numbers as defined in Appendix G of the Canadian CO Code (NXX) Assignment Guideline;
   3. certification that each reseller/dealer had been advised of the Jeopardy Condition and the requirement that they would only be allocated additional numbers during the Jeopardy Condition on the provision to the CO Code Holder of written confirmation that their number inventory has been reduced to an amount less than two times the highest quantity of customer numbers assigned in any month during the previous 12 months. Additional numbering resources will only be provided by the CO Code Holder to the reseller/dealer to the extent that the reseller's/dealer's inventory can only increase up to a maximum of three months' inventory;
   4. confirmation that the Part 1 form submitted with the application has the Jeopardy Condition box in section 1.6 checked to certify that the existing CO Codes are projected to exhaust within 4 months of the date of application and that the months-to-exhaust is documented on an Appendix B submitted to the CNA;
   5. a completed Telephone Number Utilization Report for the applicable switching entity signed by both a company officer and the company’s authorized representative;
   6. confirmation that the requested Growth CO Code was forecasted in the most recent NRUF or an explanation as to why it was not is attached; and
   7. confirmation that the requested Growth CO Code will be placed In-Service within four months of the date of assignment.
4. Any CO Codes for growth assigned after the implementation of this JCP must be activated in the network and placed In-Service within four months of assignment. In the event that a CO Code Holder is unable to place the CO Code In-Service within four months of the date of assignment, the CO Code Holder must return the assigned CO Codes or submit a written request for extension to the CNA. Such written requests must include documentation explaining the reason(s) for the missed date and proposing the new In-Service date. If the explanation includes reasons beyond the control of the CO Code Holder, the CNA may extend the In-Service date a maximum of one month. If the CO Code Holder does not place the CO Code In-Service within the one-month extension, the CNA shall initiate the reclamation process at the end of the one-month extension unless CRTC staff provides a further extension.
5. A Carrier that has multiple switching entities within an Exchange Area shall examine the possibility of, and implement where feasible, number sharing between those switches as a potential method to delay requirements for additional CO Codes.
6. The CNA will 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.
   1. The forecasted quantities in Form 1 should be the same as or lower than the last R-NRUF input submitted, prior to declaration of a Jeopardy Condition. CO Code Holder forecasts may reflect an increase in demand in the period subsequent to the Relief Date.
   2. 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.
7. The CNA will compare the initial J-NRUF input to the recent NRUF inputs, to assess forecasting trends. The CNA shall monitor all inputs and shall test them for reasonableness in consultation with the Carrier. If the CNA is dissatisfied with the reasonableness, or the rationale provided for the deviations, then the matter will be referred to the CRTC staff.
8. The CNA will request subsequent J-NRUF input from all current and prospective CO Code Holders quarterly until 3 months before relief is provided. If one or more R-NRUFs have already been conducted, and depending on the severity of the Jeopardy Condition, the CNA may defer a J-NRUF by up to two months if such a deferral brings the timing of that J‑NRUF and subsequent J-NRUFs into alignment with other NRUFs that are conducted at 12, 6 or 3 month intervals. Subsequent J-NRUF input will be compared with the initial J‑NRUF input to evaluate the effectiveness of the JCP. The CNA shall monitor all J-NRUF inputs and shall test them for reasonableness in consultation with the Telecommunications Service Providers. If the CNA is dissatisfied with the reasonableness, or the rationale provided for the changed forecasts, then the matter will be referred to CRTC staff.
9. A CO Code Applicant must have submitted a completed J-NRUF to the CNA before the CNA may assign a CO Code to that CO Code Applicant.
10. If a CO Code applicant wishes to request more CO Codes than it identified in its most recent J NRUF, the CO Code Applicant should discuss the matter with the CNA. If the CO Code Applicant wishes to proceed with the request, the CO Code Applicant will forward the request and revised forecast to CRTC staff and the CNA for consideration.
11. The CO Codes identified in the NPA CO Code Inventory Chart as “Assignable CO Codes in a Jeopardy Condition” will be assigned in the order determined by the RPC after all CO Codes which are “Available for Assignment as of [day month year] have been assigned.
12. After each J-NRUF, the CNA shall provide CRTC staff, the RPC and CSCN participants with a report providing an updated NPA CO Code Inventory Chart for the NPA in jeopardy as well as the aggregate results of the most recent J-NRUF.
13. Exceptional issues or concerns may be referred by the CNA, or by individual entities (with a courtesy copy to the CNA), to the CRTC staff for resolution.
14. In a situation where the Relief Date is on or after the PED, the quantity of CO Codes that may be assigned to a CO Code Applicant prior to the end of the Jeopardy Condition (i.e., 66 days prior to the Relief Date) shall be limited to the quantity forecasted by the CO Code Applicant in its most recent NRUF forecast submitted prior to the Jeopardy Condition being declared by the CNA (if no previous NRUF was submitted, then the previous forecast will be deemed to be zero codes). When making requests to obtain CO Codes prior to the end of the Jeopardy Condition (i.e., 66 days prior to the Relief Date), the CO Code Applicant may change the Exchange Area or the month when the CO Code assignment is required, provided a new J-NRUF and explanation accompanies the application. The control imposed by this option may be relaxed if subsequent J-NRUFs defer the PED to after the Relief Date. CO Codes that become available for assignment due to future reduced demand from other current and prospective CO Code Holders may be assigned at the discretion of CRTC staff.
15. If the CNA determines that the implementation of the JCP has not extended the Projected Exhaust Date of the NPA beyond the Relief Date, the CNA will consult with CRTC staff and further CO Code conservation and assignment procedures may be ordered by the Commission (e.g., rationing, lottery, etc.).

Supplementary form for a Growth CO Code Application – Page 1 of 2 – Telephone Number Utilization Report

This form is required with each request for an Additional Code for Growth in an NPA where a Jeopardy Condition is in effect. It should be submitted to the CNA together with the Part 1 and Appendix B forms that are required for an application for an Additional Code for Growth. See the Part 1 form for information on how and where to submit the form.

I hereby certify that the following information is true and accurate to the best of my knowledge and has been prepared in accordance with Special Conservation Procedures for a Jeopardy Condition contained in the Canadian NPA Relief Planning Guideline or the applicable approved Jeopardy Contingency Plan.



Name & Signature of Authorized Representative of Code Holder Title Date



Name & Signature of Company Officer (see item 3 of this JCP) Title Date

Contact information: Entity Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Contact Name: \_\_\_\_\_\_\_\_\_\_\_\_\_

Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ City, Province, Postal Code: \_\_\_\_\_\_\_\_\_\_\_\_\_

Telephone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Facsimile: \_\_\_\_\_\_\_\_\_\_\_\_\_

E-mail: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Switch Identification (Switching Entity/POI) CLLI: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Exchange Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For the above Switch Identification and Exchange Area for which a Growth CO Code is requested:

I certify that all held telephone numbers have been released

I certify the total quantity of reserved numbers does not exceed ten percent (10%) of the total quantity of telephone numbers as defined in Appendix G of the Canadian CO Code (NXX) Assignment Guideline

I certify that each reseller/dealer has been advised of the Jeopardy Condition and the requirement that they would only be allocated additional numbers during the Jeopardy Condition on the provision to the CO Code Holder of written confirmation that their number inventory has been reduced to an amount less than two (2) times the highest quantity of customer numbers assigned in any month during the previous twelve (12) months. Additional numbering resources will only be provided by the CO Code Holder to the reseller/dealer to the extent that the reseller's/dealer's inventory can only increase up to a maximum of three months' inventory.

The Part 1 form submitted with the application has the Jeopardy Condition box in section 6 checked (this certifies that the existing CO Codes are projected to exhaust within four (4) months of the date of the application or within the period specified in an approved Jeopardy Contingency Plan, and that the months-to-exhaust is documented on an Appendix B submitted to the CNA).

The Telephone Number Utilization Report on page 2 of this form has been completed.

The requested Growth CO Code was forecasted in the most recent NRUF, or an explanation as to why it was not is attached.

The requested Growth CO Code will be placed In-Service within four (4) months of the date of assignment.

**Supplementary Form for a Growth CO Code Application – Page 2 of 2 – Telephone Number Utilization Report**

Use Arial 9 to complete this form. (Note: If the spreadsheet below does not show on your display, please change the Work view to "Print Layout" or "Reading Layout")



Remarks: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**NPA 236/250/604/672/778 CO Code Inventory Chart**

The following chart and the instructions it contains will apply in NPA 236/250/604/672/778 in a Jeopardy Condition.

The chart 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 236/250/604/672/778 assigned and In‑service as of 15 September 2022. 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 in the order listed below.

|  |  |  |
| --- | --- | --- |
|  |  | **Quantity** |
| **A** | **Total CO Codes in NPAs 236/250/604/672/778** **(NXX format)** | **4000** |
|  | | |
| **B** | **CO Codes unassignable prior to a Jeopardy Condition** |  |
| N11 Service Codes (211, 311, 411, 511, 611, 711, 811, 911) | 40 |
| Special Use Codes (555, 950 & 976) | 15 |
| Home NPA Code(s) (236,250,604,672,778) | 23 |
| Current Neighbouring NPA Codes | 0 |
| Future Geographic NPA Codes | 0 |
| Plant Test Codes (958 & 959) | 10 |
| Special 7-digit Dialling Codes (310, 610 & 810) | 13 |
| **Total B** | 101 |
|  | | |
| **C** | **CO Codes assignable prior to a Jeopardy Condition (C=A-B)** | **3899** |
|  | | |
| **D** | CO Codes unassignable prior to a Jeopardy Condition that become assignable in a Jeopardy Condition: |  |
| Future Canadian Geographic NPA Codes | 0 |
| Current Neighbouring NPA Codes | 0 |
| **Total D** | **0** |
|  | | |
| **E** | **Assignable CO Codes in a Jeopardy Condition (E=C+D)** | **3899** |
| **F** | **Assigned CO Codes as of 15 September 2022** | **3152** |
| **G** | **Net CO Codes available for assignment as of 15 September 2022 without a Jeopardy Condition (G=C-F)** | 747 |
| **H** | **Net CO Codes available for assignment as of 15 September 2022 in a Jeopardy Condition (H=E-F)** | 747 |

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# SELECTION OF RELIEF NPA CODE

In TIF Report CNRE134A, submitted to CRTC staff on 4 May 2022, the CSCN recommended that area code 257 be set aside for the future relief of NPA 236/250/604/672/778.

# RECOMMENDATIONS

The CNA recommends:

1. The Relief Method should be a Distributed Overlay of a new NPA Code British Columbia NPA 236/250/604/672**/**778 in accordance with the *Canadian NPA Relief Planning Guideline*;
2. The Relief NPA Code for NPA 236/250/604/672**/**778, in accordance with recommendations in CSCN TIF Report CNRE134A, should be 257; and,
3. The Relief Date should be 24 May 2025 to provide Carriers and customers with advanced notification and sufficient lead-time to implement relief in NPA 236/250/604/672**/**778.

ANNEXES

1. Maps and Figures

Map

Description automatically generated

Figure 1 – Overview Map of NPA 236/250/604/672/778



Figure 2 – NPA 236/250/604/672/778 Actual and Forecast CO Code Assignments



Figure 3 – NPA 236/250/604/672/778 CO Code Exhaust: January 2022 R-NRUF



Figure 4 – NPA 236/250/604/672/778 CO Code Exhaust: Current (September 2022) R-NRUF



Figure 5 – Distributed Overlay

British Columbia Exchange Areas

Table 1 – NPA 236/250/257/672/778 BC Exchange Areas excluding Lower Mainland

| **All BC Exchanges excluding Lower Mainland** | |
| --- | --- |
| **NPA 236/250/257/672/778 Exchange Areas** | **Distributed Overlay** |
| 100 Mile House |  |
| 108 Mile House |  |
| 150 Mile House |  |
| 70 Mile House |  |
| Ahousat |  |
| Aiyansh |  |
| Alert Bay |  |
| Alexis Creek |  |
| Alkali Lake |  |
| Armstrong |  |
| Ashcroft |  |
| Aspen Park |  |
| Atlin |  |
| Avola |  |
| Balfour |  |
| Bamfield |  |
| Barriere |  |
| Bear Lake |  |
| Beaver Cove |  |
| Beaver Valley |  |
| Beaverdell |  |
| Bella Bella |  |
| Bella Coola |  |
| Blue River |  |
| Bob Quinn Lake |  |
| Boswell |  |
| Bouchie Lake |  |
| Bowser |  |
| Bridge Lake |  |
| Burns Lake |  |
| Cache Creek |  |
| Campbell River |  |
| Canal Flats |  |
| Castlegar |  |
| Cedar |  |
| Celista |  |
| Chase |  |
| Chemainus |  |
| Chetwynd |  |
| Chief Lake |  |
| Chilako |  |
| Christina Lake |  |
| Clearwater |  |
| Clinton |  |
| Cluculz Lake |  |
| Cobble Hill |  |
| Comox |  |
| Cortes Island |  |
| Courtenay |  |
| Cranbrook |  |
| Crawford Bay |  |
| Creston |  |
| Cumberland |  |
| Dallas |  |
| Dawson Creek |  |
| Dease Lake |  |
| Decker Lake |  |
| Donald |  |
| Douglas Lake |  |
| Dragon Lake |  |
| Duncan |  |
| Duncan Lake |  |
| Dunster |  |
| East Pine |  |
| Elkford |  |
| Elko |  |
| Enderby |  |
| Fairmont Hot Springs |  |
| Falkland |  |
| Fauquier |  |
| Fernie |  |
| Field |  |
| Flatrock |  |
| Forest Grove |  |
| Fort Fraser |  |
| Fort Nelson |  |
| Fort St. James |  |
| Fort St. John |  |
| Fort Ware |  |
| Francois Lake |  |
| Fraser Lake |  |
| Fruitvale |  |
| Fulford Harbour |  |
| Gabriola Island |  |
| Ganges |  |
| Genelle |  |
| Giscome |  |
| Gold Bridge |  |
| Gold River |  |
| Golden |  |
| Good Hope Lake |  |
| Grand Forks |  |
| Granisle |  |
| Grasmere |  |
| Grassy Plains |  |
| Greenville |  |
| Greenwood |  |
| Gulf Islands |  |
| Hagensborg |  |
| Hansard |  |
| Hartley Bay |  |
| Hartway |  |
| Hazelton |  |
| Hedley |  |
| Hendrix Lake |  |
| Hixon |  |
| Holberg |  |
| Horsefly |  |
| Houston |  |
| Hudson's Hope |  |
| Invermere |  |
| Iskut |  |
| Jaffray |  |
| Jordan River |  |
| Kaslo |  |
| Kelowna |  |
| Keremeos |  |
| Kimberley |  |
| Kincolith |  |
| Kitimat |  |
| Kitkatla |  |
| Kitsault |  |
| Kitwanga |  |
| Klemtu |  |
| Kyuquot |  |
| Lac La Hache |  |
| Ladysmith |  |
| Lake Cowichan |  |
| Lakelse |  |
| Lakeview Heights |  |
| Lantzville |  |
| Lasqueti Island |  |
| Likely |  |
| Lillooet |  |
| Little Fort |  |
| Logan Lake |  |
| Loos |  |
| Lower Post |  |
| Lumby |  |
| Lytton |  |
| Mackenzie |  |
| Manning Park |  |
| Masset |  |
| McBride |  |
| McLeese Lake |  |
| McLeod Lake |  |
| Merritt |  |
| Mica Creek |  |
| Midway |  |
| Montney |  |
| Moyie |  |
| Muncho Lake |  |
| Nakusp |  |
| Nanaimo |  |
| Nanoose |  |
| Naramata |  |
| Nelson |  |
| New Denver |  |
| Nimpo Lake |  |
| North Kamloops |  |
| North Nelson |  |
| Ocean Falls |  |
| Okanagan Falls |  |
| Okanagan Mission |  |
| Oliver |  |
| Osoyoos |  |
| Oyama |  |
| Oyster Bay |  |
| Parksville |  |
| Parson |  |
| Peachland |  |
| Pender Island |  |
| Penticton |  |
| Pineview |  |
| Port Alberni |  |
| Port Alice |  |
| Port Clements |  |
| Port Edward |  |
| Port Hardy |  |
| Port Mcneill |  |
| Port Renfrew |  |
| Port Simpson |  |
| Pouce Coupe |  |
| Prespatou |  |
| Prince George |  |
| Prince Rupert |  |
| Princeton |  |
| Pritchard |  |
| Prophet River |  |
| Puntzi |  |
| Quadra Island |  |
| Qualicum |  |
| Queen Charlotte |  |
| Quesnel |  |
| Radium |  |
| Red Rock |  |
| Revelstoke |  |
| Riondel |  |
| Riske Creek |  |
| Rock Creek |  |
| Rolla |  |
| Rossland |  |
| Rutland |  |
| Saanich |  |
| Salmo |  |
| Salmon Arm |  |
| Salmon Valley |  |
| Sandspit |  |
| Savona |  |
| Sayward |  |
| Shalalth |  |
| Sicamous |  |
| Skookumchuck |  |
| Slocan |  |
| Smithers |  |
| Sointula |  |
| Sooke |  |
| Sorrento |  |
| South Kamloops |  |
| South Slocan |  |
| Sparwood |  |
| Spences Bridge |  |
| Spillimacheen |  |
| Stewart |  |
| Summerland |  |
| Summit Lake |  |
| Tachie |  |
| Tahsis |  |
| Tappen |  |
| Tatla Lake |  |
| Taylor |  |
| Telegraph Creek |  |
| Telkwa |  |
| Terrace |  |
| Thrums |  |
| Toad River |  |
| Tofino |  |
| Topley |  |
| Trail |  |
| Trout Lake |  |
| Tsay Keh Dene |  |
| Tumbler Ridge |  |
| Ucluelet |  |
| Union Bay |  |
| Valemount |  |
| Vallican |  |
| Vanderhoof |  |
| Vanway |  |
| Vavenby |  |
| Vernon |  |
| Victoria |  |
| Wellington |  |
| Wells |  |
| Westbank |  |
| Westsyde |  |
| Westwold |  |
| Wildwood |  |
| Williams Lake |  |
| Willow Point |  |
| Willowbrook |  |
| Winfield |  |
| Winter Harbour |  |
| Wonowon |  |
| Woss Lake |  |
| Wynndel |  |
| Yahk |  |
| Youbou |  |
| Zeballos |  |

Table 2 – NPA 236/257/604/672/778 BC Exchange Areas in Lower Mainland

| **Lower Mainland Exchanges** | |
| --- | --- |
| **NPA 236/257/604/672/778 Exchange Areas** | **Distributed Overlay** |
| Abbotsford |  |
| Agassiz |  |
| Aldergrove |  |
| Black Point |  |
| Boston Bar |  |
| Bowen Island |  |
| Britannia Beach |  |
| Chilliwack |  |
| Cloverdale |  |
| D'Arcy |  |
| Fort Langley |  |
| Gibsons |  |
| Haney |  |
| Hemlock Valley |  |
| Hope |  |
| Ladner |  |
| Langley |  |
| Mission |  |
| New Westminster |  |
| Newton |  |
| North Vancouver |  |
| Pemberton |  |
| Pender Harbour |  |
| Pitt Meadows |  |
| Port Coquitlam |  |
| Port Mellon |  |
| Port Moody |  |
| Powell River |  |
| Richmond |  |
| Rosedale |  |
| Sardis |  |
| Sechelt |  |
| Squamish |  |
| Van Anda |  |
| Vancouver |  |
| West Vancouver |  |
| Westview |  |
| Whalley |  |
| Whistler |  |
| White Rock |  |
| Whonnock |  |
| Yale |  |
| Yarrow |  |

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