

October 2025 5XX NPA Exhaust Analysis

Introduction

NANPA projects the exhaust of the non-geographic 5XX NPA resources based on forecast data submitted by service providers via the NRUF process and historical assignment information. The following 5XX NPAs currently in service are 500, 521, 522, 523, 524, 525, 526, 527 528, 529, 532, 533, 544, 566, 577 and 588.

October 2025 5XX NPA Exhaust Projection Assumptions

The following is a list of assumptions NANPA uses in the development of the October 2025 5XX NPA exhaust projection.

1. Average five-year future forecasted demand.
2. Average five-year historical forecasted demand.
3. Average five-year historical assignment information.
4. A new 5XX NPA will be required when the number of assigned and unassignable 5XX-NXX codes reaches 800.
5. Each new 5XX NPA will require the same number of unassignable 5XX-NXX codes as the current 5XX NPA.
6. Quantity of available 5XX-NXX codes as of September 1, 2025, including 5XX NPAs currently reserved for future expansion.¹

Results Based on Assumptions

Below is the forecasted demand versus the actual assignments from 2020 through 2025.

Year	Forecasted 5XX-NXX Demand	Actual 5XX-NXX Assignments
2020	1,356	1,186
2021	1,592	1,582
2022	1,978	1,555
2023	1,982	969
2024	1,327	839
2025	1,270	595 ²

¹ The 5XX NPAs reserved for future expansion include the following: 542, 543, 545, 547, 549, 552, 553, 554, 556, 569, 578, 589, 550, 535, 546 and 558. The 538 5XX NPA was assigned on July 2, 2025, assignments will commence from the 538 5XX NPA once all assignable 5XX-NXX codes have been assigned.

² Assignments through August 2025.

Using an average demand rate of 1,420 non-geographic 5XX-NXXs per year based on the average forecasted demand, prior forecasted demand and historical assignments, the existing and reserved 5XX NPA is projected to exhaust during the Second Quarter 2035.

For comparison purposes, NANPA also performed a sensitivity analysis using only the average annual assignment rate of 1,226 non-geographic 5XX-NXXs based on the last five years, which resulted in a 14% decrease in the base model demand. This sensitivity analysis resulted that the existing and reserved 5XX NPAs is projected to exhaust during the First Quarter 2037.