NANC – LNPA Working Group Problem/Issue Identification Document

 **LNP Problem/Issue Identification and Description Form**

**Submittal Date** (mm/dd/yyyy): 06/21/2001 **PIM 014 v2**

**Company(s) Submitting Issue**: Verizon

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**(NOTE: Submitting Company(s) is to complete this section of the form along with Sections 1, 2 and 3.)**

1. **Problem/Issue Statement:** (Brief statement outlining the problem/issue.)

When an NXX code containing ported telephone numbers is disconnected in the network, calls placed to those ported subscribers fail immediately before an LNP query can be performed in order to route on the NPA-NXX of the Location Routing Number (LRN).

1. **Problem/Issue Description:** (Provide detailed description of problem/issue.)

A. Examples & Impacts of Problem/Issue:

The Local Exchange Routing Guide (LERG) serves as the vehicle for notifying the industry when an NXX code is being disconnected in the network. AOCNs (Administrative Operating Company Name) are the entities responsible for providing the necessary inputs to the LERG for disconnecting a code. An AOCN can be the North American Numbering Plan Administrator (NANPA, which is currently Neustar), or an authorized service provider acting on their own behalf or that of another service provider. When an NXX code is published in the LERG with an effective date for disconnect, local and inter-exchange carriers remove routing translations for that code in their applicable switches once the effective date is reached. As these translations are removed, more and more calls to any ported subscribers within that NXX code will fail to complete, leaving the customer completely without service and unreachable within the Public Switched Telephone Network (PSTN).

B. Frequency of Occurrence:

Every call to a ported subscriber served by a telephone number within a disconnected NXX code will fail to be routed to that subscriber.

C. NPAC Regions Impacted:

Canada Mid Atlantic Midwest Northeast Southeast Southwest Western

West Coast ALL\_X

D. Rationale why existing process is deficient:

The requirements in the Industry Numbering Committee’s (INC’s) Central Office Code Assignment Guidelines do not completely identify all parties involved or state how it is to be determined if active or pending ported numbers exist in a returned/reclaimed NXX code in order to prevent its inadvertent disconnection.

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E. Identify action taken in other committees / forums:

This issue has been raised and discussed at the Local Number Portability Administration Working Group (LNPA WG), the North American Numbering Council (NANC), the Industry Numbering Committee (INC), and the United States Telecommunication Association’s (USTA) Numbering Subcommittee. It has also been brought to the attention of the NANPA and the Federal Communications Commission (FCC).

When they are the AOCN for a code to be disconnected in the LERG, Neustar, serving as the NANPA, has been authorized and has agreed to verify with the Number Portability Administration Center (NPAC) that no active or pending ported numbers exist in an NXX code before they input an effective disconnect date in the LERG. This does not, however, ensure that other AOCNs will perform the same verification before they publish the disconnect of an NXX code via the LERG.

It has also been brought to the attention of Telcordia’s Traffic Routing Administration (TRA) that it, with cooperation of the NANPA, should prepare a notice for distribution to all AOCNs describing the protocol for requesting a code disconnect.

F. Any other descriptive items:

1. **Suggested Resolution:**

The following actions are proposed to resolve this issue:

* Telcordia, acting in their role as Traffic Routing Administrator (TRA) for the LERG, and in collaboration with the NANPA, should immediately contact all AOCNs and instruct them that it is mandatory that they verify through NANPA that no active or pending ported numbers exist in an NXX code before they input an effective disconnect date in the LERG. If any do exist, the process to disconnect the code in the network should be immediately halted and disposition of the code should be managed per the CO Code Assignment Guidelines.
* Neustar, acting in their role as the NANPA AOCN, should continue to verify via NPAC the absence of any active or pending ported numbers in an NXX code slated for disconnect in the network. If any do exist, the process to disconnect the code in the network should be immediately halted and disposition of the code should be managed per the CO Code Assignment Guidelines.
* Neustar, acting in their role as the NANPA, should immediately begin accepting requests from other service providers and AOCNs to verify via NPAC the absence of any active or pending ported numbers in an NXX code slated for disconnect in the network. If any do exist, the process to disconnect the code in the network should be immediately halted and disposition of the code should be managed per the CO Code Assignment Guidelines.
* The INC should revise the Central Office Code Assignment Guidelines to include the requirements outlined above.
1. **Final Resolution:**

The INC has addressed these issues in their Procedures for Code Holder/LERG Assignee Exit.

**LNPA WG:** (only) Final Resolution Date: 06/11/2003

Item Number: 014 v2 Related Documents: PIM 015

Issue Resolution Referred to: INC

Why Issue Referred: