LNP Problem/Issue Identification and Description Form

**Submittal Date** (mm/dd/yyyy): 09/03/2003 **PIM 026 v2**

**Company(s) Submitting Issue**: ATT Wireless

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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.)

The NPAC Testbed hardware platform does not reflect a production environment to support volume performance tests.

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

A. Examples & Impacts of Problem/Issue:

It has been well documented that the NPAC Test Bed (SOW 34) was designed to handle functionality/regression/NPAC Certification test. More importantly, it’s been understood that the SOW 34 environment is unable to support the high-volumes dictated by volume and stress performance testing. Due to hardware constraints and other SOW 34 Requirements, service providers must take caution in performing volume tests in the SOW 34 TESTBED. There must be a coordinated effort between Service Providers and NeuStar NPAC to ensure there is no detriment to existing NPAC Testbed users.

B. Frequency of Occurrence:

3 to 5 times a Month

1. NPAC Regions Impacted:

 Mid Atlantic \_\_\_ Midwest\_\_\_ Northeast\_\_\_ Southeast\_\_\_ Southwest\_\_\_ Western\_\_\_

 West Coast\_\_\_ ALL X

D. Rationale why existing process is deficient:

The emergence of Number Pooling/Number Rehoming/Technology Migrations and Wireless Number Portability (WNP) provides the need and opportunity to enhance the SOW 34 NPAC Testbed Hardware to handle the increased porting volumes (intercarrier/intra-carrier) and shorter lead times of porting intervals. Back office systems have become more robust with advances in technology and today’s automation of LNP processes support the conclusion that today’s NPAC Testbed Hardware platform doesn’t meet the need of tomorrow’s porting volume realization

E. Identify action taken in other committees / forums:

Submittal to WNPO

F. Any other descriptive items:

SOW 34

1. **Suggested Resolution:**

OPTION 1

Upgrade NPAC Test Bed (SOW 34) to replicate hardware platform(s) of an NPAC Production Region. Server and other network hardware requirements will be defined by existing production platform requirements. Also ensure SOW 34 testbed remains consistent and at par with NPAC production environments for future releases and/or technology advancements.

OPTION 2

Do not perform upgrade of SOW 34 testbed environment and permeate risk in production environment with service providers choosing to perform “friendly” volume tests (1-10,000 TN’s)

OPTION 3

Identify a finite number of transactions the NPAC testbed must be scalable to allow for performance and functional testing.

Example: Business Requirement would be the NPAC Testbed must support a high threshold of 30,000 port requests from a single service provider during normal business hours.

1. **Final Resolution:**

This issue resulted in the creation and acceptance of a NANC Change Order. For further detail, refer to the NANC Change Order(s) identified in the Related Documents field below.

**LNPA WG:** (only) Final Resolution Date: 10/15/2003

Item Number: PIM 026 v2 Related Documents: NANC 389

Issue Resolution Referred to: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Why Issue Referred: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_