

Nortel
Omnipoint Communication Services
Ohio PUC
OPASTCO
Operations Development Consortium
Pacific Bell
PCIA
Peak Software Solutions
SBC
SBC/TRI
SBC Wireless
Sprint
Sprint PCS
Stentor
Tekelec
Telcom Strategies Group
Telecom Software Enterprises (TSE)
Telecom Technologies
Telecommunications Resellers Association
Telus
Time Warner
US West
USTA
Western Wireless
WinStar Communications

APPENDIX B

LNPA Working Group Meetings (as of January, 1999)

LNPA Working Group meetings (and associated integration subcommittee meetings) were scheduled generally on a monthly basis in various cities throughout the United States.

Week Of	City & State
June 30, 1997	Chicago, IL
July 28, 1997	Atlanta, GA
August 18, 1997	Washington DC
September	no meeting
October 10, 1997	Washington DC
November 10, 1997	Washington DC
December 8, 1997	Tampa, FL
January 7, 1998	Kansas City, MO
February 9, 1998	Dallas, TX
March 16, 1998	Washington DC
April 13, 1998	Washington DC
May 11, 1998	Newport Beach, CA
June 15, 1998	Denver, CO
July 13, 1998	Chicago, IL
August 10, 1998	Birmingham, MI
September 14, 1998	Seattle, WA
October 13, 1998	Kansas City, KS
November 9, 1998	Dallas, TX
December 7, 1998	Atlanta, GA
January 12, 1999	Atlanta, GA

APPENDIX C

NANC Inter-Service Provider LNP Operations Flows and Narrative Descriptions

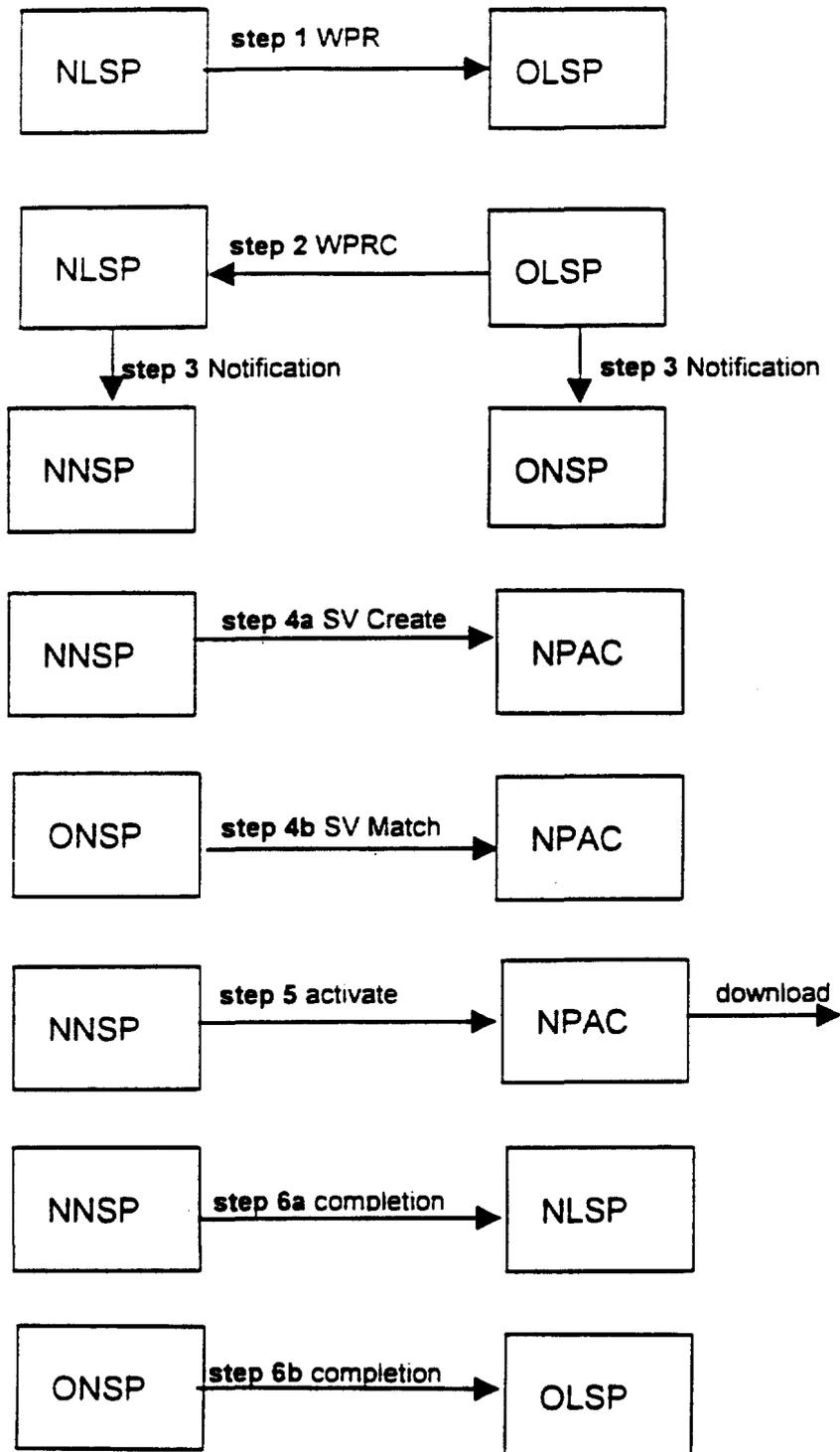
Appendix D

Reseller LNP Flows for Wireless to Wireless

Appendix D - Reseller LNP Flows for Wireless to Wireless

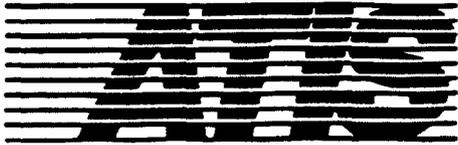
Wireless to Wireless

Assumption: For a complex port it is assumed that coordination is complete before step 1.



Appendix E

INC LRN Assignment Guidelines



**Alliance for
Telecommunications
Industry Solutions**

Sponsor of



**Industry Numbering
Committee**

A forum of the Carrier Liaison Committee

**1200 G Street NW
Suite 500
Washington DC 20005
www.atis.org**

LOCATION ROUTING NUMBER

ASSIGNMENT PRACTICES

These practices are issued in connection with the resolution to INC Issue 102.

Location Routing Number Assignment Practices

A Location Routing Number (LRN) is a 10-digit number, in the format NPA-NXX-XXXX, that uniquely identifies a switch or point of interconnection (POI). The NPA-NXX portion of the LRN is used to route calls to numbers that have been ported.

The following LRN assignment criteria should be considered when a service provider selects and assigns an LRN:

1. A unique LRN is required only for LNP capable switches that serve subscriber lines or otherwise terminate traffic.
2. A unique LRN may be assigned to every LNP equipped switch (and potentially to each CLLI listed in the LERG). A service provider should select and assign one (1) LRN per LATA within their switch coverage area. Any other LRN use would be for internal purposes. Additional LRNs should not be used to identify US wireline rate centers.
3. Remote switches that have a unique, assigned NPA-NXX may also have a unique LRN assigned to the remote switches.
4. The LRN must be selected and assigned from a valid NPA/NXX that has been uniquely assigned to the service provider by the Central Office Code Administrator and published in the LERG. An LRN should be selected and assigned with the following considerations:
 - Do not select and assign the LRN from an NPA/NXX that is planned to be re-homed to another switch.
 - Do not select and assign the LRN from an NPA/NXX that has a majority of the NXX numbers assigned to a single customer.
 - Do not assign the LRN from an NPA/NXX that is assigned to the local choke network.
 - Do not assign the same telephone number as both an LRN for a switch and a working number for a customer.
5. An LRN may have to be changed due to any of the following:
 - switch replacements
 - code moves or LERG reassignments
 - NPA Splits (As a result of an NPA-NXX split, a service provider may have to change their assigned LRN)
6. If a switch serves multiple NPA/NXXs, wherever possible, do not select and assign the LRN from an NPA that has been identified for area code relief.

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7. The LRN will be published in the LERG.
 8. The LRN will be published in the Test Line and Test Number Directories as a separate LRN category for informational purposes only. Service providers may choose to identify LRNs as a separate category in their TN inventories.
 9. Shared service provider NPA-NXXs, as currently defined in the LERG, should not be used for LRN assignments.
 10. For Number pooling, the LRN shall only be selected and used by the LERG assignee from their allocated 1000 block(s).
 11. An NXX will not be assigned to a service provider for the sole purpose of establishing an LRN unless that service provider's switch or POI does not yet have an LRN for the LATA where they intend to provide service.

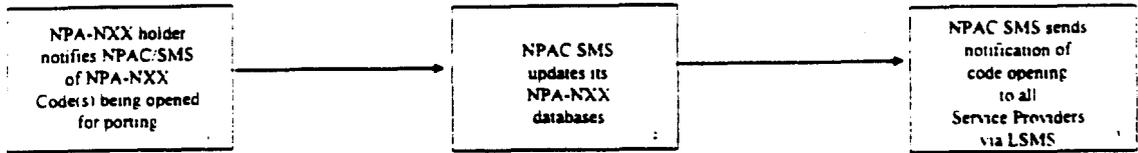
Appendix F

Code Opening Processes

Appendix F - Code Opening Processes

INTER-SERVICE PROVIDER LNP OPERATIONS FLOWS - CODE OPENING PROCESSES-

NPA-NXX Code Opening



First TN Ported in NPA-NXX



Figure 9

Step	Description
1. NPA-NXX holder notifies NPAC SMS of NPA-NXX Code(s) being opened for porting.	<ul style="list-style-type: none"> The SP responsible for the NPA-NXX being opened must notify the NPAC SMS via the SOA or LSMS interface within a regionally agreed to time frame
2. NPAC SMS updates its NPA-NXX databases	<ul style="list-style-type: none"> NPAC SMS updates its databases to indicate that the NPA-NXX has been opened for porting
3. NPAC SMS sends notification of code opening to all SPs via LSMS.	<ul style="list-style-type: none"> The NPAC SMS provides advance notification of the scheduled opening of NPA-NXX code(s) via the LSMS interface.

First TN Ported in NPA-NXX

Step	Description
1. NPAC SMS receives subscription create request for first TN in NPA-NXX	<ul style="list-style-type: none"> SP notifies NPAC SMS to create subscription for the first telephone number in an NPA-NXX.
2. NPAC SMS sends notification of first TN ported to all SPs via SOA and LSMS	<ul style="list-style-type: none"> When the NPAC SMS receives the first subscription create request in an NPA-NXX, it will broadcast a "heads-up" notification to all SPs via both the LSMS and SOA interfaces. Upon receipt of the NPAC message, all SPs, within five (5) business days, will complete the opening for the NPA-NXX code for porting in all switches.

Appendix G
Companies Represented

Appendix G - Companies Represented

The following is a list of companies represented at the WNPSC meetings from its creation in February, 1999, through completion of this report in July, 2000.

Airtouch	MCI
Alcatel USA	MCI World Com
Ameritech	Metapath Software International
Ameritech Cellular	Microcell Telecommunications
AT&T	NENA
AT&T Wireless	Neustar
Bell Mobility	Nortel Networks
BellSouth	PCIA
Bellsouth Cellular Corp.	SBC
BellSouth Science & Technology	SBC Wireless
Clearnet	Sprint Corp.
Cox	Sprint PCS
DSET	Stentor
Ericsson Communications	Telcordia Technologies
Evolving Systems Inc.	Telecom Software Enterprises
GTE Corp.	Ulticom
GTE Network Services	US West
GTE Wireless	US West Wireless
Illuminet	Voicestream
Intermedia Communications Inc	Winstar
Lockheed Martin	World Com

Appendix H - Useful Web sites.

www.npac.com (NPAC Home Page)
www.global.ihs.com (Global Engineering Documents)
www.tl.org/t1p1/_P1-GRID.HTM
www.atis.org/atis/clc/inc/incdocs.htm (INC Documents)
www.fcc.gov/ccb/Nanc/nanchot.html (NANC Hot Topics)
www.fcc.gov/ccb/Nanc/nancordr.html (NANC Related Orders)
www.fcc.gov/ccb/Nanc (NANC Home Page)
www.ported.com
www.webproforum.com/siemens1/index.htm
www.evoiving.com
www.tsi.gte.com
www.illuminetss7.com
www.bellcore.com
www.nist.gov/ext_links/industry/industry.html
www.industry.net/c/orgindex/tia

Appendix H

Useful Web sites

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www.npac.com (NPAC Home Page)
www.global.ihs.com (Global Engineering Documents)
www.t1.org/t1p1/_P1-GRID.HTM
www.atis.org/atis/clc/inc/incdocs.htm (INC Documents)
www.fcc.gov/ccb/Nanc/nanchot.html (NANC Hot Topics)
www.fcc.gov/ccb/Nanc/nancordr.html (NANC Related Orders)
www.fcc.gov/ccb/Nanc (NANC Home Page)
www.ported.com
www.webproforum.com/siemens1/index.htm
www.evoiving.com
www.tsi.gte.com
www.illuminetss7.com
www.bellicore.com
www.nist.gov/ext_links/industry/industry.html
www.industry.net/c/orgindex/tia

**Minority Opinion Regarding the Wireless Number
Portability Subcommittee "Wireless Number
Portability - Technical, Operational, and
Implementation Requirements - Phase II" to the
North American Numbering Council**

Submitted by WorldCom

June 20, 2000

Some wireless resellers may need to move their customer bases from their current underlying wireless providers' networks shortly after November 24, 2002. The FCC requirement of mandatory wireless service resale expires November 24, 2002. Some underlying wireless network service providers may elect to end their resale arrangements when their resale contracts expire on or after November 24, 2002. Should a wireless network provider not renew its resale contracts, the resellers affected face the need to move their customer bases to other wireless network providers still willing to allow resale.

Moving a reseller's customers to a new underlying wireless network provider is not transparent to the reseller's customers. An end-user's move from one facility-based wireless provider to another can require both a telephone number change and an equipment ID change. The handset thus must be modified or replaced in order to accommodate these changes.

LNP allows a wireless reseller to avoid number changes for its customers when moving its customer base to a new underlying network provider. Although an equipment ID change still is required, and thus handset modifications appear unavoidable, the reseller's customers are not faced with having to notify anyone of a pending number change. Even with the use of LNP, the migration of a reseller's customer base is not transparent to the resellers' customers, but the migration's impact on them is reduced. Perhaps more significantly, the reseller's customers are not faced with making a decision about whether to change service providers (reverting to the current underlying network provider) in order to retain their numbers.

Implementation of wireless LNP may be too late to accommodate some resellers that need to move their customer base to a new underlying

World Com Minority Opinion
June 20, 2000

Page 2

wireless network provider. There is a finite window available between the arrival of wireless LNP and the expiration of wireless resale contracts. Shifting a reseller's customer base is a massive effort, requiring a phased approach. The effort required to move a reseller's customers is similar to the year-long effort required to convert landline customers with interim number portability arrangements to LNP.