

WTSC Meeting Notes
February 5-6, 2002
Las Vegas, NV

Host:

PMCS/Net Variance

Location:

Caesar's Palace
3570 Las Vegas Boulevard
("The Las Vegas Strip")
Las Vegas, NV 89109

Tuesday, February 5th
1-5 PM (Pacific Time)

1:00 PM – 1:15 PM

Attendees: Mark Wood; Jennifer Chartraw; Charles Case; Janet Bishop; Ron Wuesthoff; David Alexander; Viresh Gulati; Marlene Nolan; Ron Whitson; Stephen Bynoe; Scott Travis; Paul Warga; Franklin Perez (Gene); Karim Lalji; Jerry Hill; Guy Elder; Gord Colton; Jeremy Hui

1:15 PM – 2:30 PM

News to date/other industry meetings

- WNPO, CTIA conference, NENA, NANC, LNPA
WNPO - BFR finalizing, Maintenance windows going into phase 2, Number Portability capacity issues, TI Trunks. Wireless resellers flows, asked for more detailed flows. Risk assessment document is completed, being submitted to the NANC
WNPO is meeting in St. Louis at the same time
Completed a revision to the timeline and is being forwarded to the NANC
CTIA – Jim Grasser presented the WTSC test plan to the group
NENA – Not enough testing is being done for E911. 911 phase 2-service degradation Conference call being done this Friday February 8th.
Rick Jones to come to the St. Louis meeting to discuss 911 testing issues
Jim Grasser – NANC report on WTSC testing time line.
April 1st to October 1st is the new timeline
- *Ask carriers to bring state specific 911 test cases to the March meeting*

LNPA – Mark and Jennifer's presentation was not well received, misunderstood what we were stating

- *Mark and Jennifer's Testing Contingency Plan to be sent out as part of the meeting minutes*

Upcoming meeting info

WTSC meeting being held in St. Louis for March.
Nextel hosting April meeting in WASH DC
May and July meetings swapped, May in Seattle July in Chicago

2:30 – 4:00 PM

Review 1.4 Test Plan

CostCode 26 is not mandated for Wireless only Wireline. Needs to be validated if true or not
It's a T1 S1 requirement for wireline, not a mandate

CostCode 26 from a wireline, will send back something(error code) of SS7 network. Unknown value, as an industry that is what we need to test to see – so states Ron Whitson Sprint Wireline Wireless providers will get some kind of error back.

CC26 used for trouble shooting, first indicator your __ database is out of sync.

Group discussion ensued on what is the best approach to handle the CC26.

- *Ron W to send to document to Jennifer and Mark to post with WTSC notes. Each carrier is asked to bring back to their respective SS7 network test teams for impacts regarding on the switches.*

Right now put this in the test plan as optional. This is already an open issue at the WNPO I76A

Review appendices (review order and specifically appendices A, F and H)

- *Ron Whitson to write a description for Appendix A*

Cause code 26 cases

1.2.3.7 - Cause Code Value 26

1.2.3.7.1 Ported Number to Ported Number (Direct Trunk)

Test Description:

This will test that Cause Code Value 26 will be sent back appropriately on a call from a ported number to a ported number.

Test Procedure:

- *From a ported number*
- *Call a ported number*
- *Terminating LSP identifies own LRN, but does not find ported number on switch*
- *Document Test Results, including time required for all transitional steps*

Test Results:

- *Originating LSP routes call to destinations LSP*
- *Originating LSP performs LRN database dip*
- *Originating LSP sends JIP*
- *Originating LSP ISUP IAM contains LRN in CdPN parameter, ported destination number in GAP, bit M of FCI set, JIP*
- *Terminating LSP recognizes LRN as its own, but does not find ported destination number on switch*
- *Terminating LSP releases call with Cause Code 26 and sends Release message back to originating LSP*

1.2.3.7.2 Ported Number to Ported Number (Via Access Tandem)

Test Description:

This will test that Cause Code Value 26 will be sent back appropriately on a call from a ported number to a ported number.

Test Procedure:

- *From a ported number*
- *Call a ported number*
- *Terminating LSP identifies own LRN, but does not find ported number on switch*
- *Document Test Results, including time required for all transitional steps*

Test Results:

- *Originating LSP routes call to access tandem*
- *Originating LSP performs LRN database dip*
- *Originating LSP sends JIP*
- *Originating LSP ISUP IAM contains LRN in CdPN parameter, ported destination number in GAP, bit M of FCI set, JIP*
- *ISUP message is not the LRN of AT, AT forwards call to destination*
- *Terminating LSP recognizes LRN as its own, but does not find ported destination number on switch*
- *Terminating LSP releases call with Cause Code 26 and sends Release message back to originating LSP*

1.2.3.7.3 Ported to Ported Number (Via Toll Carrier)

Test Description:

This will test that Cause Code Value 26 will be sent back appropriately on a call from a ported number to a ported number.

Test Procedure:

- *From a ported number*
- *Call a ported number*
- *Terminating LSP identifies own LRN, but does not find ported number on switch*
- *Document Test Results, including time required for all transitional steps*

Test Results:

- *Originating LSP routes call to toll carrier*
- *Originating LSP does not performs LRN database dip*
- *Originating LSP sends JIP*
- *Originating LSP ISUP IAM contains ported number in CdPN parameter, no GAP, bit M of FCI not set, JIP*
- *Toll carrier performs LRN dip*
- *Toll carrier ISUP IAM contains LRN in CdPN parameter, ported number in GAP, bit M of FCI set, JIP*
- *Terminating LSP releases call with Cause Code 26 and sends Release message back to originating LSP*

- *We will put these CC26 test cases in the test plan after 4.5, Mark and Jennifer to wordsmith title*

Default routing cases

1.2.3.2 - Default Routing

1.2.3.2.1 Intra-LATA Default routing (SS7) Ported Number to Ported Number

Test Description:

This will test that an Intra-LATA call can be completed from a ported number to a ported number using default routing.

Test Procedure:

- *From a ported number*
- *Call a ported number*
- *Originating LSP not successful in performing LRN database dip*
- *Document Test Results, including time required for all transitional steps*

Test Results:

- *Originating LSP is not successful in performing LRN database dip*
- *Originating LSP routes call to default LSP*

- *Originating LSP ISUP IAM contains ported destination number in CdPN parameter, no GAP, bit M of FCI not set*
- *Default LSP performs LRN database dip*
- *Default LSP routes call to LSP serving ported number*
- *Default LSP to serving LSP ISUP IAM contains LRN in CdPN parameter, ported destination number in GAP, bit M of FCI set*
- *Serving LSP completes call to ported number.*

1.2.3.2.3 Intra-LATA Toll Default routing (SS7) Ported Number to Ported Number

Test Description:

This will test that an Intra-LATA call can be completed from a ported number to a ported number through an access tandem using default routing.

Test Procedure:

- *From a ported number*
- *Call a ported number*
- *Originating LSP not successful in performing LRN database dip*
- *Document Test Results, including time required for all transitional steps*

Test Results:

- *Originating LSP is not successful in performing LRN database dip*
- *Originating LSP routes call to access tandem*
- *Originating LSP ISUP IAM contains ported destination number in CdPN parameter, no GAP, bit M of FCI not set*
- *Access Tandem performs LRN database dip*
- *Access Tandem routes call to LSP serving ported number*
- *Default LSP to serving LSP ISUP IAM contains LRN in CdPN parameter, ported destination number in GAP, bit M of FCI set*
- *Serving LSP completes call to ported number*

1.3.11.3.1 Inter-LATA Default Routing: Ported Number to Ported Number

Test Description:

This will test that an inter-LATA call can be completed from a ported number to a ported number via default routing.

Test Procedure:

- *From a ported number*
- *Call a ported number*
- *IXC not successful in performing LRN database dip*

Test Results:

- *Originating LSP routes call to appropriate IXC*
- *Originating LSP does not perform LRN database dip*
- *Originating LSP sends JIP*
- *IXC is not successful in performing LRN database dip*
- *IXC routes call to default LSP*
- *IXC to LSP ISUP IAM contains ported destination number in CdPN parameter, no GAP, bit M of FCI not set, JIP*
- *Default LSP performs LRN database dip*
- *Default LSP routes call to LSP serving ported number*
- *Default LSP to serving LSP ISUP IAM contains LRN in CdPN parameter, ported destination number in GAP, bit M of FCI set, JIP*

- *Serving LSP completes call to ported number*
- *LRN database dip recorded in default LSP AMA record*

Foregin MINs

911 test cases – *Experts from the network, ALLEY database members are requested to attend*

*Inter-carrier SMS – NEW

Janet Bishop from AT&T Wireless will submit SMS test cases 10 test cases, scale down to intercarrier steps.

- ❑ *It is recommended by Gene Perez that each carrier contact Neustar to register your IVR.*
- ❑ *Mark to send list of how to do it with Neustar*

4:00 – 4:45 PM

Review action items

Wednesday, February 6th

8:30 AM – 12:00 PM (Pacific Time)

8:30 AM – 9:45 AM

Discuss impact of FCC 3rd report and order (new MSA boundaries)

1. *Covered Carriers. As explained in the Commission's News Release announcing the adoption of rules on telephone number portability, the Commission intended to require all wireline carriers to become LNP capable in the largest 100 MSAs, and to make number portability available in areas outside of the largest 100 MSAs within six months of a request from another carrier.¹ The requirement applies to carriers operating in and entering into these markets. The limitation that carriers need to become LNP-capable only when they receive a request from a competing carrier only applies outside of the largest 100 MSAs. To clarify any uncertainty in our rules, we modify them herein.² To the extent that wireline carriers in the top 100 MSAs may have misinterpreted these rules as requiring LNP capability only when they receive a request from a competing carrier, we give non-compliant carriers six months from the effective date of this order to become LNP capable in the top 100 MSAs. Carriers that enter markets in the largest 100 MSAs are required to be LNP capable upon entry. We also retain the requirement that carriers outside of the top 100 MSAs become LNP capable within six months of receiving a request from a competing carrier.*

2. *Scope of the Top 100 MSAs. Upon initially determining the scope of required LNP deployment, the Commission used the 1990 U.S. Census data, updated with 1994 information, which was the most current at that time.³ We note that, with the 2000 U.S. Census, the 100 largest MSAs have changed in several respects from those identified in the 1990 U.S. Census. For example, several MSAs that were on the 1990 list of the 100 largest MSAs are now combined in Consolidated Metropolitan Statistical Areas (CMSAs). In addition, several new areas and MSAs are included on the current list of the 100 largest MSAs,⁴*

¹ Commission Adopts Rules on Telephone Number Portability, *News Release*, Report No. DC 96-60 (June 27, 1996).

² See Appendix D for a list of the applicable MSAs.

³ LNP First Report and Order, Appendix D.

⁴ The 100 largest MSAs have changed in the following respects: the Bergen, NJ, Jersey City, NJ, Middlesex, NJ, Monmouth, NJ, Nassau, NY, Newark, NJ, and New Haven, CT MSAs are now part of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA; the Orange County, CA and Riverside, CA MSAs are now part of the Los Angeles-Riverside-Orange County, CA CMSA; the Gary, IN

10:00 AM – 11:00 AM

Review inter-carrier test schedule (proposed dates)

We have 8 wireless carriers with dates submitted for testing

- ❑ *Jennifer to send updated schedule to Jim Grasser COB 2/8. Jim Grasser wants us to submit these dates to the WNPO so the wireline carriers who are waiting for the wireless to conclude testing*

We are going to add a column that represents the wireline company time line

- ❑ *Jennifer to send AT&T Wireless contribution LNP Test Plan to WTSC group.*

11:00 AM – 12:00 AM

Open forum,

- ❑ *Change Appendix A to reflect basic testing has occurred internally before entering into testing with another carrier*

Intra Company tests cases for all directed Inter Company tests are completed

- ❑ *Inter Carrier test guidelines. Steps 12 and 13 - LERG data must be submitted 60 days in advance*
- ❑ *What switch and rate center in a market needs to be worked out between the carriers before testing begins*

Wrap-up, summary, details for next meeting

LRN Assignment just as important

MSA is now part of the Chicago-Gary-Kenosha, IL-IN-WI CMSA; the Baltimore, MD MSA is now part of the Washington-Baltimore, DC-MD-VA-WV CMSA; the Oakland, CA, San Jose, CA, and Vallejo, CA MSAs are now part of the San Francisco-Oakland-San Jose, CA CMSA; the Wilmington, DE MSA is now part of the Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA; the Ann Arbor, MI MSA is now part of the Detroit-Ann Arbor-Flint, MI CMSA; the Fort Worth TX MSA is now part of the Dallas-Fort Worth, TX (CMSA); the Fort Lauderdale, FL MSA is now part of the Miami-Fort Lauderdale, FL CMSA; the Tacoma, WA MSA is now part of the Seattle-Tacoma-Bremerton, WA CMSA; and the Akron, OH MSA is now part of the Cleveland, OH CMSA. The Census Bureau's Metropolitan Areas Ranked by Population: 2000 table is available at <http://www.census.gov/population/www/cen2000/>.

The following are now part of the 100 largest MSAs: the San Juan-Caguas-Arecibo, PR CMSA, McAllen-Edinburg-Mission, TX MSA, Colorado Springs, CO MSA, Daytona Beach, FL MSA, Lakeland-Winter Haven, FL MSA, Johnson City-Kingsport-Bristol, TN-VA MSA, Lexington, KY MSA, Augusta-Aiken, GA-SC MSA, Melbourne-Titusville-Palm Bay, FL MSA, Lancaster, PA MSA, Chattanooga, TN-GA MSA, Des Moines, IA MSA, Kalamazoo-Battle Creek, MI MSA, Lansing-East Lansing, MI MSA, Modesto, CA MSA, Fort Myers-Cape Coral, FL MSA, Jackson, MS MSA, Boise City, ID MSA, Madison, WI MSA, Spokane, WA MSA, and the Pensacola, FL MSA.