



Communications Department

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Chief of Communications

November 8, 2011

Mr. Mike Hybl
Executive Director
Nebraska Public Service Commission
1200 N Street, 300 the Atrium
Lincoln, NE 68509-4927

Re: PSC Application No. 911-055/PI-182

Public Service Commission

- A. In response to the above mentioned Open Docket the Douglas County Emergency Communications Center files the following comments for consideration by the Public Service Commission.
- a. Since most carriers have implemented Wireless in the State of Nebraska, the current testing procedures could be modified using the premise that if a change affects the hardware or software in the switch testing should be conducted. This would include re-homes, new air interface technology and changing MPC Service providers. The following maintenance activity would be cause for the generation of a new call routing Spreadsheet followed by testing.
 1. New cell site adds (post Phase 1 or 2 deployment)
 2. Changing the number of sectors on a tower.
 3. Changing orientation of sectors to the extent that it may affect call routing decisions or change the sector directional display.
 4. Re-homes of cell sites from one switch to another.
 5. New air interface technology (e.g. TDMA to GSM)
 6. Changing MPC Service providers.
 - b. If a new call routing spreadsheet is created, enough time to process between the PSAP verification and the MSAG adjustments need to be allowed. If there was a new cell site add, change in the number of sectors or change in sector orientation then the only test that should be conducted is for those particular sites and or sectors.
- B. If a new call routing spreadsheet is created then the following test plan should be utilized for the sites or sector being tested.
- a. ESRD/ESRK Received – The 10 digit pANI received by the PSAP for that test call.
 - b. Calling Party Number – The call back number received by the PSAP for that test call.

- c. Initial Call information – This is the information that is initially received by the PSAP for that test cell. The columns in this section are:
 - d. COS Received – Class of Service seen by PSAP
 - e. Uncertainty – The uncertainty in meters seen by the PSAP with Phase 2 data. If PSAP gets Phase 1 information initially, they will not see an uncertainty. Not all PSAPs receive uncertainty with Phase 2 information – depends on LEC.
 - f. Latitude or Other – If PSAP gets Phase 2 data initially, the call tester should record the latitude. If PSAP gets Phase 1 data initially, call tester should indicate that cell site address was displayed.
 - g. Longitude or Other - If PSAP gets Phase 2 data initially, the call tester should record the longitude. If PSAP gets Phase 1 data initially, call tester should indicate that cell site address was displayed.
 - h. 1st Re-Bid – This is the information that is received by the PSAP after the first re-bid on the same test cell. The first re-bid should be made approximately 15 to 30 seconds after the initial bid is received at the PSAP. The columns in this section are:
 - i. COS Received – Class of Service seen by PSAP
 - j. Uncertainty – The uncertainty in meters seen by the PSAP with Phase 2 data. If PSAP gets Phase 1 information again, they will not see an uncertainty. Not all PSAPs receive uncertainty with Phase 2 information – depends on LEC.
 - k. Latitude or Other – If PSAP gets Phase 2 data after the first re-bid, the call tester should record the latitude. If PSAP gets Phase 1 data again, the call tester should indicate that cell site address was displayed.
 - l. Longitude or Other - If PSAP gets Phase 2 data after the first re-bid, the call tester should record the longitude. If PSAP gets Phase 1 data again, the call tester should indicate that cell site address was displayed.
 - m. 2nd Re-Bid – This is the information that is received by the PSAP after the second re-bid on the same test cell. A second re-bid is only necessary if Phase 1 information was received on the initial bid and first re-bid. The second re-bid should be made approximately 15 to 30 seconds after the first re-bid is received at the PSAP. The columns in this section are:
 - n. COS Received – Class of Service seen by PSAP
 - o. Uncertainty – The uncertainty in meters seen by the PSAP with Phase 2 data. If PSAP gets Phase 1 information again, they will not see an uncertainty. Not all PSAPs receive uncertainty with Phase 2 information – depends on LEC.
 - p. Latitude or Other – If PSAP gets Phase 2 data after the second re-bid, the call tester should record the latitude. If PSAP gets Phase 1 data again, the call tester should indicate that cell site address was displayed.
 - q. Longitude or Other - If PSAP gets Phase 2 data after the second re-bid, the call tester should record the longitude. If PSAP gets Phase 1 data again, the call tester should indicate that cell site address was displayed.
 - r. Tested/Live Date – Date cell sector was tested and passed.
 - s. Time of Call – Time test call is made.
 - t. Tester Name – Name of call tester.
- C. If an upgrade or modification to a switch occurs because of a re-home (changing cell sites from one switch to another could be done as part of a buy out), implementation of new technology, or changing MPC Service Providers, all dial plans should be tested to verify they can be processed through the switch. It should not be necessary to test each dialing plan at each site. It would be

realistic to activate a bridge for the testing and verification of all phone plans. Once each phone plan is confirmed to be working then there would be no need for a conference bridge. The site testing should be completed using only activated phones. Once the switch is no longer being tested the testing schedule should be agreed upon by the carrier and the PSAP.

- D. Testing notification procedures should include only the pertinent parties involved in the testing (i.e. PSAP, wireless carrier and if necessary, LEC representative to monitor information coming through the ALI).

Sincerely,



Mark S. Conrey
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Chief, Communications