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Sent: Thursday, November 07, 2013 8:50 AM
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Subject: NAT Supplemental Discovery Responses - Docs. 000726-000731
Attachments: NAT call flows with description.pdf

Counsel:

Please see attached.

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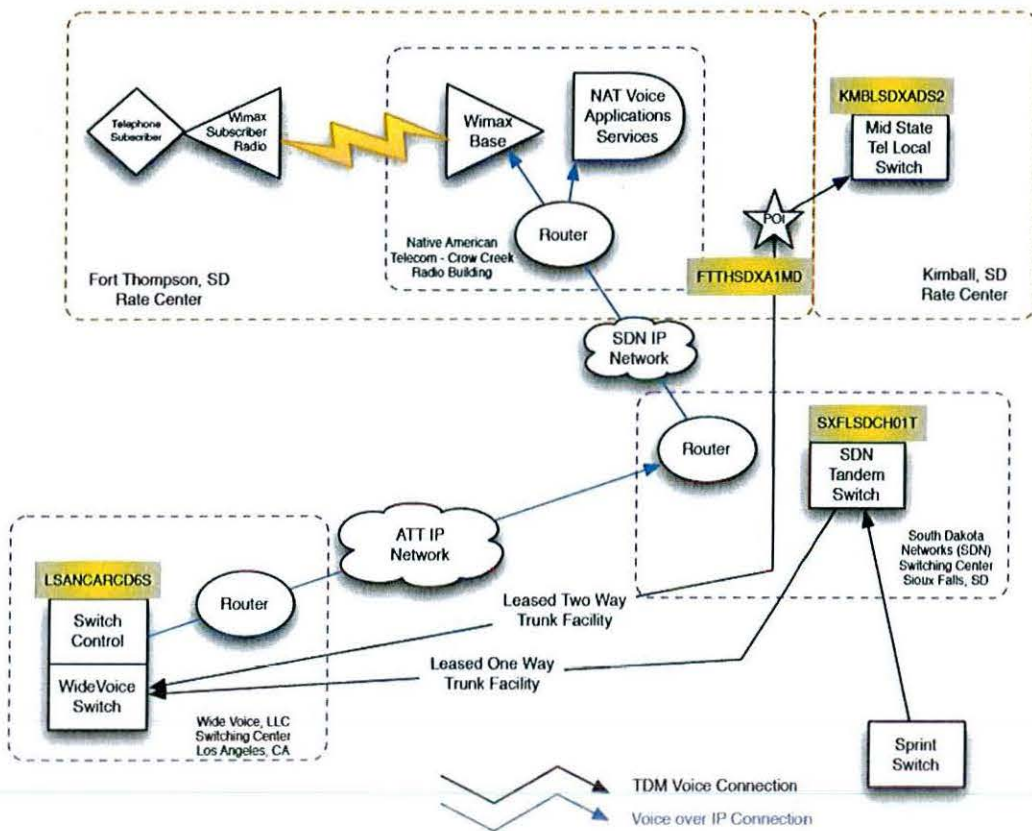
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SCENARIO #1

From 09/2009 to the dates indicated below, the fundamental Class 5 services were hosted on a partition of the Wide Voice switch located in Los Angeles, California under the CLLI code of LSANCARCD6S. Enhanced Class 5 services and end user billing was provided on a leased basis from CommPartners, Inc. In this scenario, NAT-CC used dedicated TDM transport from South Dakota to Los Angeles, CA for both local and access traffic from the SDN Access Tandem Switch of CLLI code SXFLSDCH01T and the incumbent, rural local phone company switch of MidState Communications, CLLI code KMBLSDXADS2. This comprised the “trunk side” or network connectivity to the PSTN for NAT-CC. For the “line side” connectivity, NAT-CC used dedicated Ethernet transport from Sioux Falls to a dedicated telecom building on the Reservation and then to the individual subscribers via co-location or fixed, broadband radio.

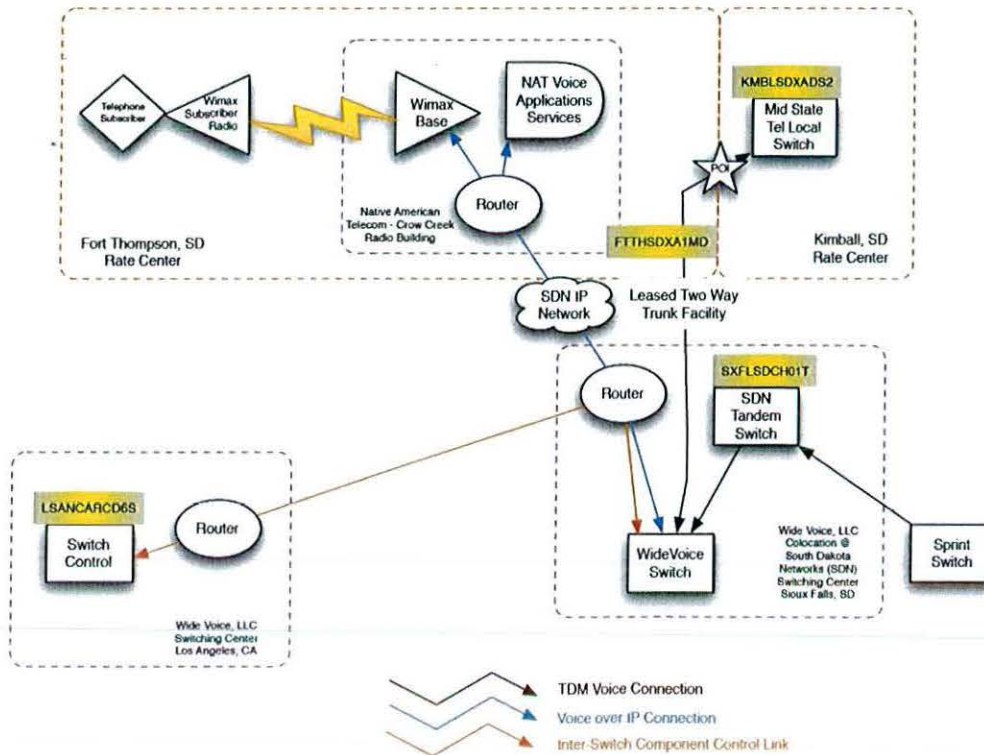
DIAGRAM #1



SCENARIO #2

In 10/10/2012, Wide Voice migrated from the single location Class 4/5 switch in Los Angeles, CA to a more current technology, geographically diverse Class 4/5 switch system. The latter offered the ability to place network interconnect, signaling and Class 4 and Class 5 call control components much closer to the customer and to a more efficient network interconnect location. Again, a partition of this system was assigned for use by NAT-CC. With this infrastructure change, an interconnect component “trunk gateway” was placed in Sioux Falls, SD in SDN quarters negating the need for the long forward haul of the “trunk side” PSTN interconnect facilities to Los Angeles, CA. The CLLI code of LSANCARD6S remained as the identifier of the new, geo-diverse Class4/5 switching infrastructure. The dedicated line side facilities from Sioux Falls, SD to the Reservation remained in service with this topology change. At the same time, the Class 5 component of the network was moved to the telephone building at the NAT-CC location on the Reservation to serve the “on reservation” and PSTN interconnect call processing needs for the co-located and fixed wireless, tribal customers.

DIAGRAM #2

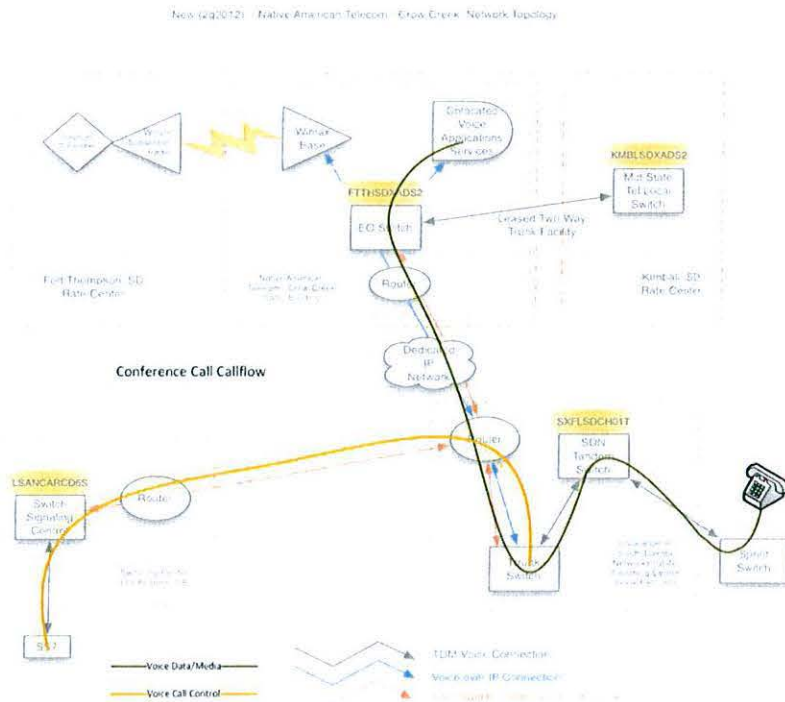


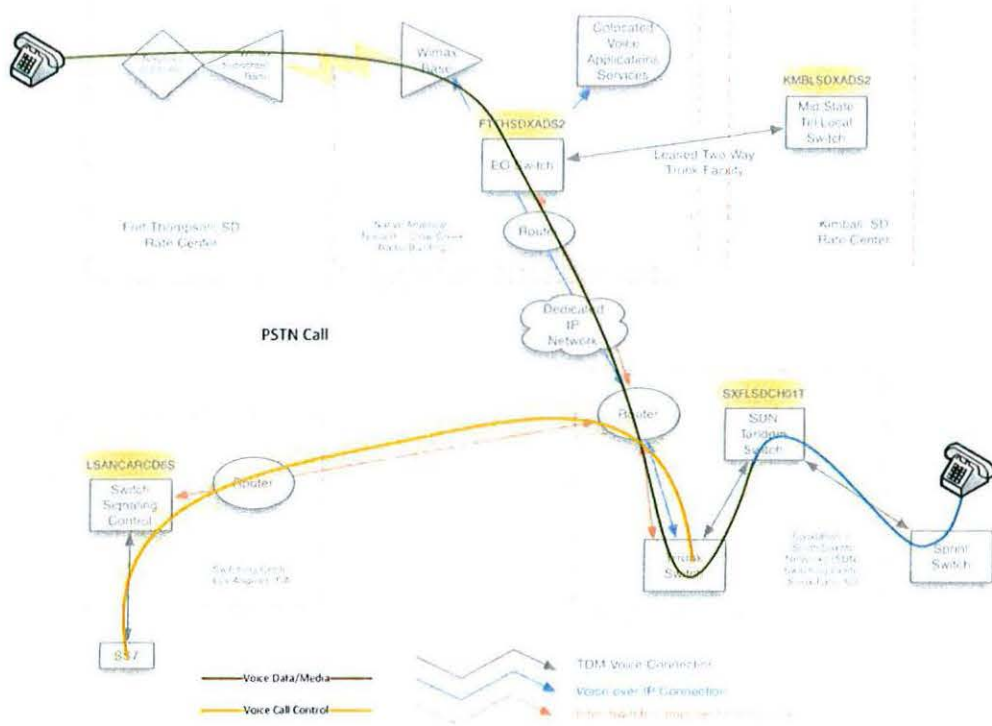
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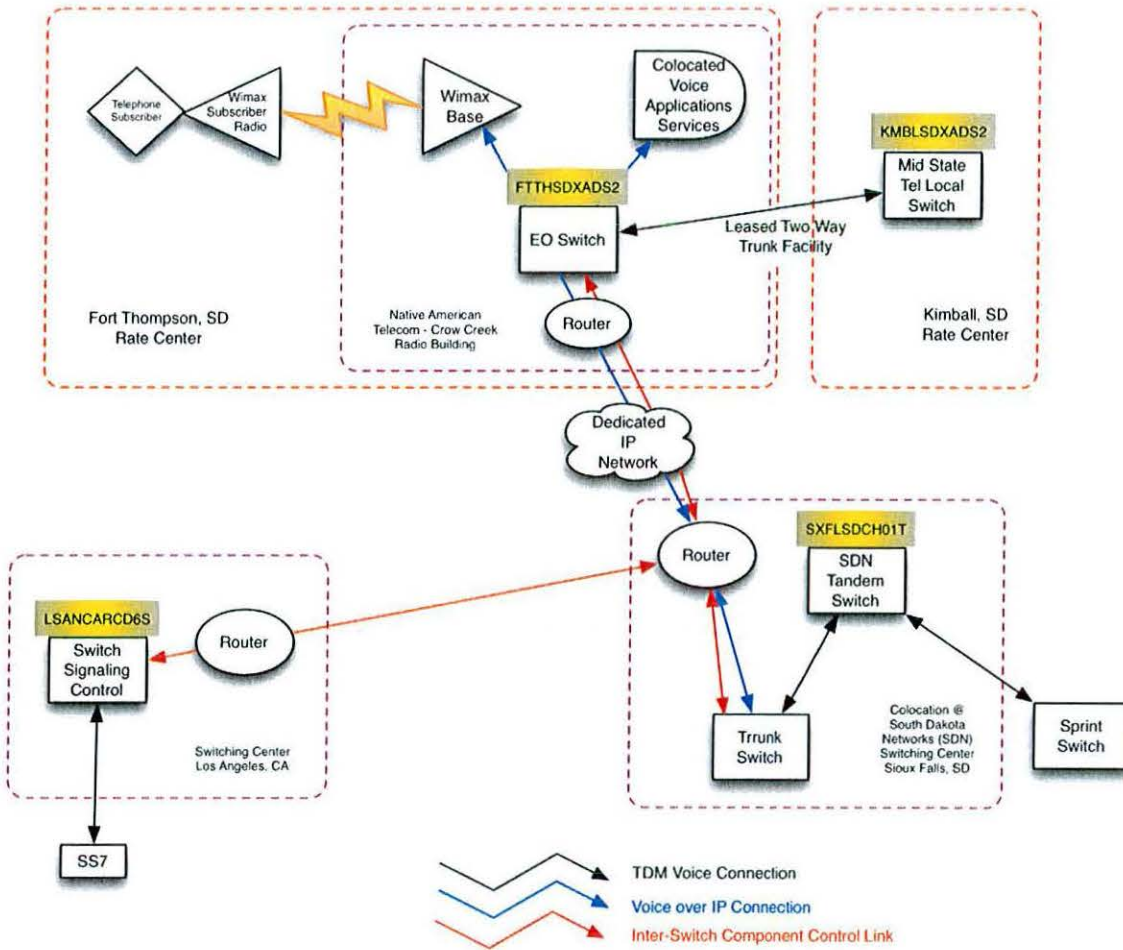
SCENARIO #3

In 04/12/2012 for NAT-Crow Creek individual interconnect components “trunk gateway” of the geo-diverse, Class 4/5 switching infrastructure was placed in the NAT-CC tribal, telephone building. At that time new CLLI codes were obtained to designate the presence of this interconnect points. For NAT Crow Creek the CLLI code is FTTHSDXADS2. The interconnect components allow both local and access trunk interconnect of TDM facilities directly in the NAT-CC facility.

DIAGRAM #3







LOCAL CALL SENARIO

In the case that the call is pure local coming from a Kimball end office from Mid-State to our 605-477 customer the call would route via the G2. This would be the only call scenario that would route incoming via the G2 gateway.

