



NetNumber Delivers Innovative Solution for Operators Offering Roaming Voice Services to VoLTE Customers

LOWELL, Mass. — May 19, 2015 — NetNumber announced today availability of a Terminating Service Domain Selection (T-SDS) solution, enabling telecom operators to support voice services for their customers who roam in both circuit switched (CS) and Voice over LTE (VoLTE) domains. With both voice solutions in parallel, identifying the Terminating Service Domain, either CS or VoLTE, becomes a challenge. While 3GPP has specified a solution for this co-existence with the introduction of IMS Centralized Services (ICS), not every vendor supports ICS. Without NetNumber’s T-SDS solution, operators face both technical challenges in existing MSCs (Mobile Services Switching Centers) and commercial issues, which complicate and delay the introduction of VoLTE services in the network.

“Over the next five years many operators will trial VoLTE from a single regional virtual service location or deploy VoLTE for users who need to roam across both LTE and 3G networks. It is essential that VoLTE users experience seamless premium call quality with no increase in latency despite the differences between VoLTE and legacy 3G voice codecs and variations in supplementary services,” noted Sue Rudd, director of Service Provider Analysis, Strategy Analytics. “NetNumber has developed Terminating Service Domain Selection (T-SDS) to enable calls to be routed directly to and from both networks without over burdening the signaling network, creating unnecessary unpaid ‘legs’ of the call or introducing latency from constant round trips to the IMS core. T-SDS deployment in a SS7/SIGTRAN-based Mobile CS domain with Diameter, MAP and SIP interoperability eliminates double signaling to reduce operator cost while supporting seamless interworking with SIP, RCS and supplementary services.”

The T-SDS solution is delivered in NetNumber TITAN, the industry’s most robust centralized signaling and routing control (CSRC) platform. The T-SDS solution uses signaling control messages to identify VoLTE-activated subscribers and route traffic to TITAN, which completes the necessary queries to determine the terminating service domain. As TITAN is a software platform, operators can easily implement T-SDS without changing the existing network or IT systems. T-SDS is an alternative to the ICS solution defined in the 3GPP standards, enabling operators to provide VoLTE services in a seamless and cost-efficient manner.

TITAN provides a common, virtualized infrastructure for all signaling control, routing policy enforcement and subscriber database services in the network. It uniquely delivers centralized provisioning and management combined with a powerful distributed, in-memory database replication method that enables all signal processing to happen at the optimal location in an operator's network. TITAN is transforming how operators deliver new services to their customers while significantly simplifying the network core and reducing operating costs. Today, TITAN is deployed on more than 350 servers on five continents, and supports more than 200 billion transactions per month.

“Telecom operators are struggling to deliver voice services for their customers who roam between legacy and next-gen networks,” explained Matt Rosenberg, vice president, NetNumber Global Sales, Solution Design and Product Management. “The NetNumber T-SDS solution was defined to solve this problem in a more efficient and cost-effective manner than defined by 3GPP. Our TITAN platform enables operators to easily deploy T-SDS without adding new hardware or IT support.”

Learn more about TITAN at <http://netnumber.com/products/titan/> or by contacting sales@netnumber.com.

About NetNumber

NetNumber, Inc. brings 15 years of experience delivering innovative signaling control solutions that enable carriers to accelerate implementation of new services across multiple generations of networks, while dramatically simplifying the core network and reducing operating costs. Today, we are the leading provider of Centralized Signaling and Routing Control (CSRC) solutions to the global communications industry. Visit www.netnumber.com for more information. Connect with us on Twitter, LinkedIn, Google+ and Facebook.

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