ACCESS SERVICE

14.   Service Provider Number Portability (SPNP) Service

14.1   Description

Service Provider Number Portability (SPNP) Service provides, where facilities permit, the ability: (1) of a local exchange telephone service customer to maintain the same Directory Number (DN) when changing from one telecommunications service provider to another while remaining at the same location and: (2) of all telephone company customers (end users, line side access and resale customers) to complete local calls to numbers that have been ported. This capability is initially being activated in the Telephone Company's two (2) largest Metropolitan Statistical Areas (MSAs) listed below on a switch specific basis as specified in the Local Exchange Routing Guide (LERG) and/or the National Exchange Carrier Association Inc. Tariff, F.C.C. No. 4, and subsequently in the remaining Telephone Company end office switches, based on receipt of specific request for deployment where facilities permit with the exception of Milford (11/99).

Hartford, CT.
New Haven CT.

SPNP Service is an advanced intelligent network capability which utilizes the common channel signaling network to query a data base to secure network routing instructions before completion of a call. For NXXs with one or more ported DNs, the data base contains information about an end user's choice of Local Service Provider (LSP) along with the appropriate Location Routing Number (LRN) for that LSP's serving switch that will be used to direct the call to the correct network switching element for completion to the end user customer. Where more than one network is involved in completing the call, the network just before the terminating network (i.e., the N-1 Network) is responsible for querying an SPNP data base to secure the LRN which is then used in routing the call. Where the carrier of the N-1 network fails to secure the LRN, and forwards a call to a switch in the Telephone Company's network for an NXX designated as a number portable code in the Local Exchange Routing Guide and National Exchange Carrier Association Inc. F.C.C. No. 4 and the NXX has at least one number ported, the Telephone Company will bill that N-1 carrier a default query charge as specified in 14.5 of this Tariff.

14.2   SPNP Service Application

There are two distinct applications of the SPNP network capability for SPNP Query Service available through the Telephone Company's network:

(A)   SPNP Query Service
   (1)   Prearranged
   (2)   Default
(B)   Basic SPNP Service

Following are detailed descriptions of each of the available service applications.

ACCESS SERVICE

14.   Service Provider Number Portability (SPNP) Service

     14.2   SPNP Service Application (Cont'd)

         (A)   SPNP Query Service

            (1)   Prearranged

Customers terminating calls from the N-1 Network to numbers in the Telephone Company's network with NXX codes that have been designated as number portable are responsible for making a query to a data base containing information necessary to route calls to number portable NXX codes. This capability is provided under this tariff as an optional access service.

Customers responsible for making the data base query must arrange in advance to have the Telephone Company's end office or access tandem switch suspend call processing, formulate and launch a query via the common channel signaling network to a data base containing information necessary to route calls to number portable NXX codes. When the necessary routing information has been returned from the SPNP data base to the switch originating the query, call processing is resumed and the call is routed to the correct network switching element for completion to the called party.

            (2)   Default

Customers that have not prearranged with the Telephone Company to query a data base containing information necessary to route calls to number portable NXX codes, may terminate such traffic to the Telephone Company's network non- queried. When this occurs the Telephone Company's network must query its SPNP data base to obtain information necessary to complete such calls. A default query will be charged under this tariff.

Such non-queried traffic may be routed to the Telephone Company's end office or access tandem switch. This will force the Telephone Company's end office or access tandem switch to suspend call processing, formulate and launch a query via the common channel signaling network to a data base to obtain information necessary to route calls to number portable NXX codes. When the necessary routing information has been returned from the SPNP data base to the switch originating the query, call processing is resumed and the call is routed to the correct network switching element for completion to the called party.

ACCESS SERVICE

14.   Service Provider Number Portability (SPNP) Service

14.3   Service Provisioning

SPNP Service will initially be deployed in the Telephone Company's 2 largest MSA's, where facilities permit, on a switch specific basis as specified in the National Exchange Carrier Association Inc. Tariff F.C.C. No. 4 and the Local Exchange Routing Guide.

If subsequent deployment, which is not found in the Local Exchange Routing Guide and the National Exchange Carrier Association Inc. F.C.C. No. 4, is requested in additional switches in the Telephone Company's 2 MSAs as defined in Section 14.1 after the initial deployment schedule is accomplished, the Telephone Company will provide portability in all remaining switches with the exception of the Milford (11/99) location.

SPNP Service procedures will be applied uniformly to all users of the Telephone Company's SPNP Service. The Telephone Company's SPNP database will receive and respond to all queries, including the Telephone Company's queries, as defined in the following Technical Reference Publication:

(A)Bellcore GR-2936, Local Number Portability Capability Specification

14.3.1   Manner of Provisioning

SPNP Service will be provisioned using the LRN solution, which associates an NPA-NXX-XXXX number with each central office switch that serves ported lines. This number will be known as the LRN for that switch. The LRN will be used as a network routing number for calls to ported numbers served by that switch. The LRN will share an existing NPA-NXX assigned to the specific office it represents. All switching equipment types used by the Telephone Company for SPNP Service will utilize LRN functionality using advanced intelligent network capability.

With SPNP Service, a subscriber served by one switch (the "donor" switch) may move service to a different switch (the "recipient" switch) while retaining the same DN. The LSP of the recipient switch will send information to the Regional Service Management System/Number Portability Administration Center (RSMS/NPAC), the third-party administrator/database, for the porting subscriber. This information will include the porting DN, the LRN of the recipient switch, and Destination Point Codes (DPCs) for CLASS and LIDB Transaction Capability Application Part (TCAP) messages. This information is downloaded to all SPNP databases based on contracts between the third-party administration and the SPNP Service Providers.

ACCESS SERVICE

14.   Service Provider Number Portability (SPNP) Service

14.3   Service Provisioning (Cont'd)

14.3.2   Limitations

SPNP Service is to be used only on a call-by-call basis for routing calls to number portable NXX codes and cannot be used for purposes other than those functions described in 14.2 (SPNP Service Applications) unless expressly authorized in writing by the customer and the Telephone Company.

Information residing in the Telephone Company's SPNP database is protected from unauthorized access and may not be stored in a customer's data base or elsewhere for any reason.

The LRN method of number portability is limited to circuit switched calls and excludes choke network NXX until industry standards are defined. Customers with directory numbers that are used for both circuit switched (e.g., voice and/or data) and packet data can port their directory numbers, however, they must disconnect the packet service and reconnect with their new service provider. SPNP Service does not apply to Service Codes (e.g., 411) or Service Access Codes (e.g., 500, 700, 800 and 900).

Groups of lines (e.g., multi-line hunt groups, Centrex groups) cannot port separately. If only one directory number in the group ports, it will be removed from the group. However, the entire group of directory numbers may port. The functionality associated with the ported number is determined by the new service provider.

ACCESS SERVICE

14. <u>Service Provider Number Portability (SPNP) Service</u>

    14.3   <u>Service Provisioning</u> (Cont'd)

        14.3.3 <u>Network Management</u>

            The Telephone Company will administer its network to ensure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services.

            The Telephone Company maintains the right to apply automated or manual protective controls which would generally be applied as a result of occurrences such as failure or overload of Telephone Company facilities, customer facilities, or other networks, natural disasters, mass calling or national security demands.

            Networks also known as High Volume Call-In (HVCI) Networks are also utilized by the Telephone Company to ensure its networks reliability. HVCI service is represented by a unique NXX, not assigned to a specific switch in the Local Exchange Routing Guide, that has a presence in several switches within the designated local calling area for which terminating calls are routed over dedicated trunk groups to a single tandem switch. This is done for the purpose of controlling the impact on the local network from potentially high volumes of terminating calls that might be directed to DNs within such NXXs at a customer's request.

            Using the Telephone Company's target architecture, the final completion group to a customer subscribing to a choke network service is associated with a Pseudo number to prevent any calling party from circumventing the function of the choke network. Choke network customers may designate any local network provider to provide the final completion group without changing the DN associated with their choke network service. However, numbers within special NXXs designated for this purpose are not number portable and are not included in the SPNP Service data base.

Issued: October 10, 2014   Effective: October 25, 2014
(This page-filed under Transmittal No. 53)
Vice President, Regulatory Affairs
3 High Ridge Park, Stamford, CT 06905

ACCESS SERVICE

14. Service Provider Number Portability (SPNP) Service

14.4 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for SPNP Service.

There are two types of rates and charges which apply to SPNP Service. These are monthly usage rates and nonrecurring charges.

The rates and charges associated with SPNP Services, which are "query" based, will be billed on a monthly basis, based on recorded usage. For billing purposes, each month is considered to have thirty (30) days.

Specific rates and charges are set forth in 14.5 (Rates and Charges).

14.4.1 Rate Elements

The following provides a list of the various SPNP Service rate elements and how the rate elements are defined. The query rate element applies for each query received at the Telephone Company's database regardless of whether the DN is actually ported.

- SPNP Query - Prearranged (described in (A) following)
- SPNP Query - Default Charge (described in (B) following)
- Basic SPNP Service – (described in (C) following)

(A) SPNP Query - Prearranged Charge

The SPNP Query - Prearranged rate element provides the routing information necessary to complete calls to directory numbers within NXX codes designated as number portable including transport of the query to and from the database.

(B) SPNP Query - Default

The SPNP Query - Default rate element provides the routing information necessary to complete calls to directory numbers within NXX codes designated as number portable including transport of the query to and from the database and applies where the customer has not prearranged.

ACCESS SERVICE

14.   Service Provider Number Portability (SPNP) Service

      14.4   Rate Regulations (Cont'd)

            14.4.1   Rate Elements (Cont'd)

                  (C)   Basic SPNP Service

The Basic SPNP Service is billed on a monthly basis to the Telephone Company's local customers, lineside access customers and customers of a local service provider that resells services of the Telephone Company for the associated local or lineside access services (resale customers). This charge applies to all existing customers with the effective date of this tariff, as defined below and will apply to any potential customer when the customer obtains service.

The Basic SPNP Service rate element applies to and provides the capability necessary for the Telephone Company's local and general exchange and lineside access services (e.g., FGA) customers to: (1) MAINTAIN THE SAME dn WHEN CHANGING FROM ONE Telecommunications Service Provider to another while remaining at the same location, and (23) to complete calls to any DN that has been ported.

This capability is automatically provided as part of the local dialing process employed in the Telephone Company's exchange network.

This charge applies per line capable of originating local exchange calls with the following exceptions:

- PBX trunks will be assessed the equivalent of 9 monthly rates; and
- ISDN PRI will be assessed the equivalent of 5 monthly rates.

ACCESS SERVICE

14.   Service Provider Number Portability (SPNP) Service

14.5   Rates and Charges

			Monthly Rate Per Query
(A)	SPNP Query – Prearranged		
	- End Office		$0.003945
	- Tandem		0.003945
(B)	SPNP Query – Default		
	- End Office		$0.003945
	- Tandem		0.003945

		Monthly Rate Per Line
(C)	Basic SPNP Service	$0.00