

Access Service Tariff

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2nd Revised Sheet 24-1
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24. Line Information Data Base (LIDB) Validation Service

24.1 General Description

Line Information Data Base (LIDB) Validation Service provides the customer the ability to query billing validation data contained in the Company's LIDB. Access to the Company's LIDB provides customers with potential toll fraud detection by validating toll billing exception data and performing public telephone checks.

The Company's LIDB is accessed through the Company's Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service which utilizes American National Standards Institute (ANSI) signaling protocol. LIDB Validation Service customers must arrange for the Company's CCS/SS7 Interconnection Service, as specified in Section 23, for themselves or through another CCS/SS7 signaling transport service provider.

There is one rate category, LIDB Query, that applies to LIDB Validation Service. The LIDB Query rate category consists of two rate elements; LIDB Query Transport and LIDB Validation Query. The LIDB Query Transport provides for the transport of the LIDB query from the Signaling Transfer Points (STPs) to the Service Control Point (SCP) and back. The LIDB Validation Query provides for the actual validation of the LIDB information. In addition, other service specific charges and nonrecurring charges may apply as specified in 6.8 (Rate Regulations) and 6.9 (Rates and Charges).

24.2 Service Description

LIDB Validation Service is provided by the Company to its customers in support of alternate billing services. LIDB Validation Service provides access to billing validation data which resides in the Company data base for use with alternate billing services. Alternate billing services allow customers' end users the ability to bill calls to an account not necessarily associated with the originating line.

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Customers participating in LIDB Validation Service, for purposes of obtaining billing validation data that resides in the Company data base, originate queries to the LIDB from an Operator Services System (OSS) identified by an originating point code (OPC). The LIDB query is routed through one of two Company interconnecting STPs, as designated by the Company, to the Company Regional SCP where the LIDB resides. The requested billing validation data, in the form of signaling information, is passed back via either one of the two Company interconnecting STPs to the customer's designated OSS where the LIDB query was originated. The STP locations are provided in the National Exchange Carriers Association, Inc. Tariff F.C.C. No. 4.

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24. Line Information Data Base (LIDB) Validation Service (Continued)

24.2 Service Description (Continued)

The Company LIDB will receive and respond to all Billed Number Screening queries, including the Company's queries, as defined in Bellcore publications TR-NWT-000246, FR-NWT-000271, TR-TSV-000905, TR-NWT-000954 and the Company publication TP 76638. These procedures will be applied uniformly to all users of the Company's LIDB Validation Service.

LIDB Validation Service will provide the following functions on a per query basis:

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- Determination of billed line as a public (including those classified as semi public) or nonworking telephone number.

24.3 Service Provisioning

24.3.1 Manner of Provisioning

- (A) All access to the Company's LIDB will occur through two Company interconnecting STPs as designated by the Company. The Company will provide customer interconnection to the Company interconnecting STPs through its CCS/SS7 Interconnection Service provided in Section 23 (Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service). LIDB Validation Service customers must arrange for the Company's CCS/SS7 Interconnection Service for themselves or through another CCS/SS7 signaling transport service provider.
- (B) LIDB Validation Service is ordered under the provisions specified in Section 5 (Ordering for Access Service). Also included in that section are other charges which may be associated with ordering LIDB Validation Service (e.g., Service Date Change Charge).

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24. Line Information Data Base (LIDB) Validation Service (Continued)

24.3 Service Provisioning (Continued)

24.3.2 Limitations

Unless expressly authorized in writing by the customer and the Company, LIDB Validation Service is not to be used for purposes other than those LIDB functions described in 24.2 (Service Description). LIDB Validation Service is used for those functions only on a call-by-call basis or for limited purpose of validating billing information by a Billing Clearing House. Data accessed on LIDB may not be stored elsewhere for future use.

Proprietary information residing in the Company LIDB is protected from unauthorized access and may not be stored in a customer's data base for any reason. All information related to alternate billing services is proprietary. Examples of proprietary information are as follows:

- Billed (Line/Regional Accounting Office (RAO)) Number (resides in the Company LIDB)
- PIN Number(s) (resides in the Company LIDB)
- Billed Number Screening (BNS) indicators (resides in the Company LIDB)
- Class of Service (resides in the Company LIDB)
- Reports on LIDB usage
- Information related to billing for LIDB usage
- LIDB usage statistics

24.3.3 LIDB Data Specifications

The Company's LIDB will contain a record for every working line number and Billed Number Group, as defined in 2.7 (Definitions), served by the Company. Other exchange carriers who may store their data in the Company LIDB are requested to provide this data as well.

The Company will update the LIDB information; e.g. add, delete, and modify customer accounts as customers move, become delinquent on their account, or order new service, on a daily basis.

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The Company has procedures in place to deactivate billing validation data in the event that it is being used fraudulently.

24.3.4 Provision Against Fraudulent Use of Service

End user information, pertinent to the investigation, may be shared with LIDB Validation Service customers when validation queries for the specific customer reaches the Company established fraud threshold level. This fraud threshold level will be applied uniformly to all customers.

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24. Line Information Data Base (LIDB) Validation Service (Continued)

24.3 Service Provisioning (Continued)

24.3.5 Provision of Billing Information

When a LIDB query is received at the Company's SCP, a search is performed for the requested validation data. The Company SCP formulates a response and tallies the LIDB query for billing.

The LIDB queries are accumulated and records are generated identifying the number of queries routed to and from the SCP and processed by the OPC of the customer's OSS location. This information is delivered to the accounting office via tape or by teleprocessing for processing and billing. The query charges will be accumulated per OPC and billed to the LIDB Validation Service customer each month.

The Company will provide sufficient information with the bill to enable the customer to determine how the billed amount was calculated. Other reports may be provided as mutually agreed upon. Such agreements may involve additional charges or conditions which will be filed on an individual case basis as specified in Section 12 (Specialized Service or Arrangements).

24.3.6 Testing

The Company will perform testing of the LIDB Validation Service in conjunction with CCS/SS7 Interconnection Service as outlined in Bellcore Technical References TR-NWT-000954, TR-TSV-000905 and TP 76638.

24.3.7 CCS/SS7 Network Performance

The Company supports the performance standards as defined in Section 7 of TR-TSV-000905. The overall end-to-end CCS/SS7 network objective is less than ten minutes unavailability per year from any Signal Point (SP) to any other SP. The performance objective for any single SP, including a Service Control Point (SCP), is less than three minutes unavailability per year. The combined link set from the SCP to the Signal Transfer Point (STP) has a performance objective of less than two minutes unavailability per year.

24.3.8 LIDB Validation System Performance

LIDB Validation Service system downtime will be less than twelve hours per year. The LIDB validation system is capable of processing up to 100 queries per second. The response time for a query, from switch transmission to reception, should not exceed one second for 99 percent of all queries.

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24. Line Information Data Base (LIDB) Validation Service (Continued)

24.3 Service Provisioning (Continued)

24.3.9 LIDB System Management

The Company will administer its LIDB to insure the provision of acceptable service levels to all customers of the Company's LIDB Validation Service. During periods of LIDB Validation Service system congestion, an automatic call gapping procedure will be utilized to control such congestion. The automatic call gapping procedure will tell the switch the gap (how long the switch should wait before sending another query) and the duration (how long the switch should continue to perform gapping). For example, during an overload condition, the automatic call gapping procedure will tell the LIDB when to begin to drop one out of three of the queries received. This call gapping procedure will be applied uniformly to all users of the Company's LIDB Validation Service.

The Company maintains the right to invoke manual intervention of the automatic call gapping procedure to preserve the integrity of the network.

24.4 Rate Regulations

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

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

Specific rates and charges are set forth in 24.5 (Rates and Charges). Jurisdictional report requirements are set forth in 2.4 (Jurisdictional Reports).

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24. Line Information Data Base (LIDB) Validation Service (Continued)

24.4 Rate Regulations (Continued)

24.4.1 Rate Elements

The following rate elements apply to LIDB Validation Service:

- LIDB Query Transport (described in (A) following)
- LIDB Validation Query (described in (B) following)

(A) LIDB Query Transport

The LIDB Query Transport rate element provides for the routing of the LIDB query through one of two Company interconnecting STPs, as designated by the Company, to the Company Regional SCP where the LIDB resides, and back. The SCP and STP locations are provided in the National Exchange Carriers Association, Inc. Tariff F.C.C. No 4.

(B) LIDB Validation Query

(RT) The LIDB Validation Query rate element provides for the validation of toll billing exception data and performance of public telephone checks; i.e. determining if a billed line is a public (including those classified as semi public) telephone number. For these validation purposes, LIDB Validation Service customers will query the LIDB located in the Company SCP via the Company CCS/SS7 network. The LIDB will respond with a verification signal message back to the LIDB Validation Service customer via the Company CCS/SS7 network.

24.4.2 Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). Nonrecurring charges are applicable for the establishment of LIDB Validation Service and service rearrangements. In addition, an Access Order Charge may be applicable as specified in 5.2 (Access Order).

(A) Nonrecurring Charge for Establishment of Service

A nonrecurring charge applies for each request for establishment or change of existing LIDB Validation Service. The LIDB Validation Service Establishment Charge applies per OPC per request.

The nonrecurring charge for the establishment of LIDB Validation Service is set forth in 24.5 (Rates and Charges).

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24. Line Information Data Base (LIDB) Validation Service (Continued)

24.4 Rate Regulations (Continued)

24.4.2 Nonrecurring Charges (Continued)

(B) Nonrecurring Charges for Service Rearrangements

Service Rearrangements are changes to existing services which do not result in changes to previously established OPCs.

Changes in previously established OPCs are treated as a discontinuance of the existing service and establishment of a new service and all applicable Nonrecurring Charges will apply.

Certain service rearrangements which are administrative in nature as specified in 6.8.2 (Nonrecurring Charges for Service Rearrangements) will be made without charge except as noted. Provisions for service rearrangements for which nonrecurring charges will apply are also set forth in 6.8.2 (Nonrecurring Charges for Service Rearrangements).

Nonrecurring charges specified in 6.9.5 (Administrative Changes FGD and BSA-D) will apply on a per service order basis.

24.4.3 Usage Rates

Usage rates are rates that apply on a per unit basis, e.g. per query, when a specific rate element is used. Usage charges are accumulated over a monthly period. For billing purposes, each month is considered to have thirty (30) days.

(A) LIDB Query Transport

A LIDB Query Transport usage rate applies to each LIDB query that is routed through one of two Company interconnecting STPs to the Company's Regional SCP where the LIDB resides and back. LIDB Query Transport charges are accumulated for each LIDB query and billed to the customer on a monthly basis.

(B) LIDB Validation Query

A LIDB Validation Query usage rate applies to each LIDB query received at the Company SCP. Query charges are accumulated for each OPC and billed to the customer on a monthly basis.

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24. Line Information Data Base (LIDB) Validation Service (Continued)

24.5 Rates and Charges

24.5.1 LIDB Query

Rate Per Query

(A) Per LIDB Query Transport.....	\$.0044
(B) Per LIDB Validation Query0260
- Billed Number Screening	

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Nonrecurring Charge

24.5.2 Service Establishment Charge

Per Originating Point Code (OPC)(NRBLA)	\$ 11.00
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