AT&T understands that reliable signaling is critical to your network operations. Our nationwide SS7 network is carefully engineered for maximum reliability, security and performance. AT&T’s SS7 network engineers work hard to implement the latest advances in features and technology to better serve our wholesale customers – and to respond to the demands of an evolving industry.

Network performance and security are our top priorities. We employ a state-of-the-art network surveillance system which is monitored 24x7 by highly-experienced SS7 specialists. This helps us maintain the high levels of network integrity and performance that we consistently deliver to our wholesale customers. And when you need us, we are there – providing a live answer point 24x7.

**AT&T Gets You There**

One connection to our signaling network provides SS7 access to all RBOC/LEC tandems and end offices, and over 150 carrier networks. We also provide query/response access to nationwide LNP (Local Number Portability), LIDB (Line Information Database), CNAM (Calling Name), as well as access to Customer Local Area Signaling Service (CLASS) features.

**AT&T Makes Interconnection Easy**

AT&T offers conveniently located interconnection points to maximize network efficiency and help control costs. In addition to traditional SS7 protocols, AT&T supports IP protocols such as SIGTRAN and SIP, and offers interconnection options such as point-to-point A and D links, HSL/ATM, Frame Relay and VPN, depending upon your service requirements.

Our team of SS7 experts will work closely with you throughout service design and implementation – and provide on-going support for growth and maintenance.

### AT&T’s Signaling Services for Call Processing and Data Access

**ISUP Gateway**

AT&T’s ISUP (ISDN User Part) Gateway provides transport of SS7 trunk call set-up messages to other service provider networks throughout the U.S. and Canada, saving you the time and expense of establishing SS7 links to multiple networks. This service transports SS7 signaling for traffic carried over your FGD trunks to all RBOC/LEC access tandems and end offices, as well as your message trunks to wireless and interexchange carriers.

The SS7 team at AT&T will customize the service to fit your specific requirements and will coordinate the many activities required to establish connections to other LATA networks. Our service simplifies SS7 transport, improves operational efficiency and is extremely cost effective compared to building out your own SS7 network. Plus get access to a comprehensive suite of SS7-based services – all carried on the same links as your call set-up messages.

### Calling Name (CNAM) Database

AT&T’s CNAM Database service provides storage and access of your valuable subscriber information used for Caller ID with Name service. You simply provide the line record and NPA-NXX record data and we do the rest – saving you the expense and work effort of designing, implementing and maintaining your own

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**BENEFITS**

- AT&T operates one of the largest SS7 signaling networks in North America
- Comprehensive suite of signaling and database services from one provider – with a proven record of customer satisfaction
- State-of-the-art monitoring capabilities with 24x7 live answer point
- Support for multiple protocols and access methods
- Partitioned data storage with user-friendly administration
- Service bundles for cost savings – ISUP and AT&T Network Connection (ANC) are a natural pairing
Administration System and Database. We work diligently to ensure that routing and access to your data remains trouble free.

AT&T offers state-of-the-art, partitioned data storage with user-friendly data administration and report generation. CNAM storage can be administered in conjunction with LIDB storage to streamline operations. Your data is accessible for your own query activity and to the telecom industry to support Caller ID with Name service.

CNAM Gateway
AT&T's CNAM Gateway service provides efficient, direct access to high-quality Calling Name data, located in one of multiple databases nationwide, to support Caller ID with Name service. AT&T transports your TCAP queries to the appropriate database and routes the CNAM data back to your switch for delivery of calling name information to the called party. Our nationwide network with Message Relay functionality allows for highly accurate and reliable query routing.

Line Information Database (LIDB)
AT&T's LIDB Database service provides storage and access of your valuable subscriber information used for call validation and other data-centric services. AT&T offers state-of-the-art, partitioned data storage with user-friendly data administration and report generation. LIDB storage can be administered in conjunction with CNAM storage to streamline operations. Your data is accessible for your own query activity and to the telecom industry for billing validation and other line-level queries.

LIDB Gateway
AT&T's LIDB Gateway service provides efficient, direct access to nationwide LIDBs to validate alternately billed calls, match phone numbers to local service providers and retrieve billing name and address information, along with other data-centric services.

Local Number Portability (LNP) Gateway
AT&T's LNP Gateway service provides access to ported number information – both wireline and wireless. Our platform contains the routing information provided to the industry by the seven regional U.S. NPACs (Number Portability Administration Centers), as well as Canada.

8XX Gateway
AT&T's 8XX Gateway is designed for the proper routing of toll-free telephone calls. AT&T's 8XX Gateway service processes your queries and translates the dialed 8XX number to a POTS number or a carrier identification code (CIC). AT&T will return a response to your switch for call completion.

Data Gateway
AT&T's Data Gateway service supports industry efforts to accurately match telephone numbers to local service providers in order to reduce billing errors and help eliminate Return Code 50 rejects. Our "Least Cost Query" feature is designed to provide you access to more economical query types by determining whether they are supported by the distant database. Queries may be processed as a batch file or on a real-time basis depending upon your service needs.

Service Order Administration (SOA) Gateway
AT&T's SOA Service Bureau is designed to provide a low-cost solution for Local Number Portability (LNP) record administration. LNP allows end users to keep their telephone numbers when changing service providers. This requires negotiation between service providers, as well as notification to the NPAC. Our hosted platform offers an efficient and cost-effective alternative to establishing service provider and NPAC connectivity, and owning/managing a SOA platform.

CLASS (Custom Local Area Signaling Services) Gateway
AT&T's CLASS Gateway Service allows for interoperability between local service providers for IntraLATA CLASS features. CLASS features are activated in the serving end office through subscriber line records. The information is transported through the network using TCAP messages passed over the SS7 network. CLASS features include, for example: Missed Call Dialing (*69), Call Again (*66), Call Forwarding and Three Way Calling.

For more information contact your AT&T Representative or visit us at www.att.com/wholesale.