

Telcordia® Number Portability Gateway

The Telcordia® Number Portability Gateway streamlines number porting processes for service providers by integrating their internal operations with their national number portability clearinghouse. Its open, flexible design turns every number portability transaction into a natural extension of a provider's service provisioning process.

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Automate number portability transactions to reduce costs, time, and errors

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Deliver fast and accurate responses to subscriber porting requests

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Keep network elements automatically updated on successful number porting changes

- ▶ Number portability, which allows subscribers to maintain their telephone numbers when changing service providers, is gaining momentum around the world. It is crucial to the management of limited national numbering resources and the promotion of fair and open competition among service providers. For service providers, it presents both challenges and opportunities to attract and retain subscribers with innovation.

With the introduction of number portability and a national number portability clearinghouse, service providers must be ready to incorporate number porting processes with their network and operations infrastructure efficiently and cost-effectively. That's why they need a proven number portability gateway system that is already used by service providers worldwide.

TAKE THE EASY WAY

The Telcordia Number Portability Gateway is specifically designed to simplify and automate management of all number porting related processes — including port in/port out, disconnect/snapback, initiation/activation, hold/cancel, call routing, and validation.

This scalable, off-the-shelf system serves as an external bridge between the national clearinghouse and a service provider's environment. It coordinates across back-office systems to process porting transactions, and informs network elements of updated changes to maximize call completion rate.

With its innovative components and features, this system eases the pressure on service providers and frees their technical and human resources to focus on revenue-generating services, marketing programs, and customer support.

CONTROL THE MESSAGE

Central to the system is a function that controls and organizes the messages flowing externally between the national clearinghouse and the service provider's environment, as well as across its internal systems.

Whether the service provider chooses to send messages manually or automatically between the gateway and clearinghouse, the processor logs all messages in the system's port history database, puts them in a queue, takes them off the queue, and performs the specified actions for each message, including forwarding it to the appropriate output destination and updating network systems on port and number status.

BENEFIT FROM EXCEPTIONAL DATA PROCESSING AND VALIDATION

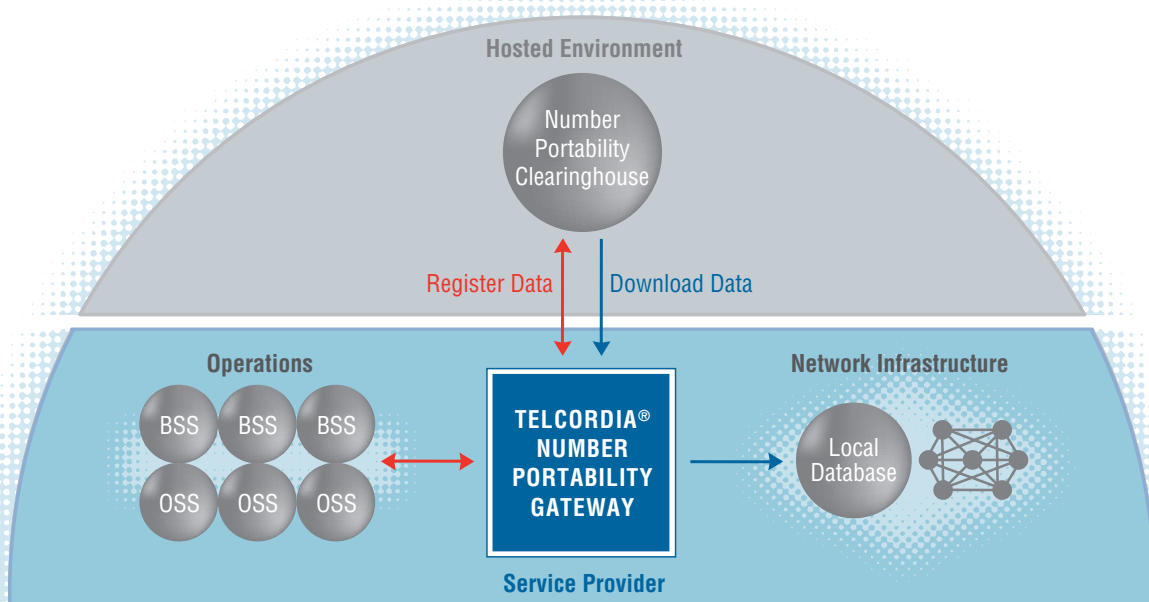
The database within the Number Portability Gateway gives service providers confidence that they are operating with accurate, up-to-date information. It maintains all of the data required to exchange transaction information between the national clearinghouse and the service

• TELCORDIA INTERCONNECTION SOLUTIONS

- Telcordia Interconnection Solutions is a global leader in number portability, mobile messaging, and global number information exchange. Our registries, clearinghouses, and technology enable service providers to extend service reach, reduce OPEX, and minimize revenue leakage.

Streamline the Number Portability Process in a Provider's Network

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provider's systems, including interface definitions, validation rules, and the data to identify other operators, timer parameters, and configurations. With its open interface, it is easy for service providers to query for the status of any port, transaction histories, and reference and parameter data.

KEEP THE STATISTICS AT YOUR FINGERTIPS

Service providers can also use the Number Portability Gateway database to quickly extract data and build their own reports. The stored transactional data can be easily assembled into user-defined historical or trend-related reports on porting activities and processes.

KEEP AN EYE ON THE FLOW

The system offers a web-based HTML Graphical User Interface (GUI) as an alternative to monitor and control the flow of ported messages. The GUI makes it easy for users to submit manual port requests, track open transactions, view port histories, intervene to handle conflicts and cancellations, and rectify failed transactions and other errors.

LEAVE INTEGRATION TO US

The Number Portability Gateway builds on an open architecture, ready to integrate with service providers' systems and processes. Building on Telcordia leadership in open architectures and system adapters, it has the built-in flexibility to support diverse internal and external interfaces, including those that are proprietary to national clearinghouses and those linking multivendor back-office and network element management systems.

COUNT ON SECURITY PROTECTION

Security is a high priority. Password-protected, encrypted digital certificates are exchanged between the gateway and the clearinghouse to authenticate transmitting entities. In addition, the system requires login IDs and passwords to authorize users, stores role-based profiles to restrict access permissions, and generates audit logs for all connection attempts to the system.

• AT A GLANCE

- Number Portability Gateway is deployed by fixed and mobile service providers worldwide, because it successfully delivers:
 - Streamlined integration of back-end systems, network elements, and national number portability clearinghouses
 - Automated, secure, flowthrough porting processes
 - Flexibility to accommodate updates in functions, message flows, and interface protocols after implementation
 - Simplified management with customized archiving and reporting.



TRUST THE NUMBER PORTABILITY LEADER

To fulfill virtually all number portability responsibilities, trust the company with more number portability deployments worldwide than any other supplier. Regulators and service providers in more than 130 countries also rely on Telcordia for number portability training and consulting. Learn more about how our experts and Number Portability Gateway can help you harness all the power of number portability with minimal impacts on existing operations and systems.

GET IT RIGHT

- With the expertise to
- solve the world's most
- complex communications
- challenges, Telcordia is
- known for helping its customers
- get it right so they can reap the
- greatest business benefits.
- Our Interconnection Solutions are
- part of our broad offering of products
- and services designed to help you
- operate more efficiently, drive
- revenues, and deploy innovative new
- services.



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