

# Are you compliant with North American number portability mandates?



## Syniverse North American Number Portability Services

While number portability is usually a government-driven mandate, many market-leading operators have approached mandated number portability as a business opportunity and have strengthened their market position through portability.

**Syniverse's North American Number Portability Services** allow mobile and fixed-line operators to meet U.S. and Canadian requirements and ensure that voice and data transmissions will be routed properly. Our solution allows you to keep costs low while maintaining operational efficiency, and at the same time free up resources to focus on services that increase growth and profitability.

Syniverse's extensive experience as a service bureau provider can simplify the complexities of meeting the Federal Communications Commission's or Canadian Radio-television and Telecommunications Commission's local number portability requirements by reducing upfront costs and streamlining operations. This allows you

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to minimize your capital investment and operational expenses and gain powerful reporting and analysis tools, and give you the information you need through a wide range of services available from Syniverse:

- Electronic Number Mapping (ENUM) Services
- Local Routing Number (LRN) Query Service - INPort®
- Intercarrier Communications (ICC) Clearing House - INPort
- ICC/Service Order Administration (SOA) Wireless Number Portability (WNP) Service Bureau - INPort
- Wireline SOA Service Bureau
- Fallout Manager

## Benefits

- Simplifies operations by taking advantage of these capabilities:
  - Using LNP and SS7 queries when necessary.
  - Using a single delivery point.
  - Offering an easy-to-use Number Portability Administration Center (NPAC) interface for number porting transactions.
- Reduces costs as a service bureau solution that requires no capital investment or hosting of your own infrastructure. By paying only for transactions required and eliminating the need to manage multiple porting partners, you can use internal resources more effectively.
- Provides access to a variety of features at a low price.
- Ensures that number porting transactions are performed quickly and reliably by leveraging Syniverse's porting and hosting (service bureau and clearing house) and network (SS7 and IP) expertise, leading service delivery infrastructure, and neutral third-party market position.

## Products and Features

**Electronic Number Mapping (ENUM) Services** - These services help facilitate portability-corrected addressing of IP services, such as MMS- and SIP-based voice services, and returns portability-corrected uniform resource identifiers (URIs) for routing calls or messages to the correct operator. This allows service providers to translate E.164 phone numbers into IP addresses for routing packets over IP networks. ENUM Services also determine how to route IP-based services to a number-portability-corrected destination utilizing the most efficient routing particular to an operator.

**Local Routing Number (LRN) Query Service - INPort** - This SS7/IP intelligent network-based service provides location routing number (LRN) queries and translates numbers that have been ported. This service helps you to efficiently complete calls to the correct operator while avoiding dropped or incorrect calls, and unnecessary and expensive default dips charged from a local exchange carrier (LEC).

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**Intercarrier Communications (ICC) Clearing House, INPort** - Provides a simple, cost-efficient way for wireless carriers with their own service order administration (SOA) capabilities to reach all your porting partners. Rather than maintaining dedicated circuits to multiple porting partners, a single connection to Syniverse’s clearing house provides a way to issue Wireless Intercarrier Communications Interface Specifications (WICIS)-compliant porting requests and responses. INPort combines the inconectiv (formerly Telcordia) Service Management Gateway for WNP software with Syniverse’s network and interconnection facilities to provide you with an industry-leading WNP service bureau. Syniverse also provides seamless intermodal (wireline to wireless, and wireless to wireline) porting to increase utility.

**ICC/SOA Wireless Number Portability Service Bureau** - This fully integrated application efficiently manages the porting administration process. The ICC component provides the WICIS-compliant intercarrier communications required to exchange a subscriber’s port request and responses with another operator before the number can be ported. The SOA component of the solution seamlessly and efficiently transmits the necessary number porting information to the Number Portability Administration Center (NPAC).

**Wireline SOA Service Bureau** - Provides a fast, simple and inexpensive way for wireline operators to accurately update the NPAC database following local service request confirmation, and ensure calls are always routed to the correct recipient while complying with industry mandates that require accurate and timely porting.

**Fallout Manager** - Provides a systematic means for users (wireless operator employees) to identify port requests that have fallen out of the porting process because of errors in the data submitted, and then update and resubmit them efficiently. It utilizes customer-defined filters and queues to determine and manage these erroneous port requests.

Products:	ENUM	LRN Query Service	ICC Clearing House	ICC/SOA WNP Service Bureau	Wireline SOA Service Bureau	Fallout Manager
<b>Features:</b>						
Supports mobile operators	X	X	X	X		X
Supports fixed-line operators	X	X			X	X
Leverages existing transport networks for IMS and MMS	X					
Provides complete North American market coverage from a single source	X	X	X	X	X	X
Supports queries from all major North American switch types and protocols, including IN, AIN, IS-41 and PCS 1900 for GSM		X				





Provides 10-digit global title translation for routing of line information database (LIDB) and calling name (CNAM) information		X				
Leverages existing networks with SS7/IP connectivity for other Syniverse services, such as ISUP, calling name, LIDB access and signaling transport for roaming		X				
Provides an application layer that facilitates message delivery and receipt between trading partners			X			
Provides a network layer that provides the physical interconnection between wireless operators			X			
Provides an administration layer that provides the operational infrastructure to support the ICC			X			
Provides standard and ad hoc reports				X	X	X
Supports all wireless number portability (WNP) business flows, including port-in, port-out, disconnect and snapback				X	X	
Offers robust Web-based graphical user interface (GUI)				X	X	X
Offers flexible notification management system				X	X	X
Offers automated transaction log enabling transaction auditing				X	X	X
Offers standard API that allows seamlessly integration to ICC and SOA				X	X	X
Offers compliance with requirements for NANC 3.4				X	X	
Uses single sign-in to access multiple NPAC regions				X	X	X





Uses management, detection, filtering and routing of these transmissions: - Message content errors - Trading partner delays - Timer violations - Validation errors						X
Uses automated error correction for certain fallout conditions, including these: - Automatic NPAC fallout correction - Fallout resubmission - Timer-based case routing - SMS notification of fallout events						X
Offers 24/7 access to a staff of qualified in-house technicians	X	X	X	X	X	X
Canada	X	X		X	X	X
USA	X	X	X	X	X	X

## Related Product

**Global Number Portability** - Simplifies the complexities of meeting the number portability requirements of any country outside of North America’s number with a fast, low-cost service bureau implementation.

**Get Started Today!**

Syniverse is a global mobile solutions specialist that connects more than 1,500 mobile service providers and consumer companies in nearly 200 countries. We specialize in enabling the world’s mobile users to connect with each other regardless of device, network or location. Our advanced cloud-based solutions deliver superior user experiences through always-on services and real-time engagement. For more than 25 years, we have been simplifying complexity to deliver the promise of mobility – a simple, interoperable experience, anytime, anywhere.

[Contact us today](#) for more information or visit [www.syniverse.com](http://www.syniverse.com) to learn more.

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