



**Are you compliant with
your country's number
portability mandates?**

Syniverse Global Number Portability

Many countries recognize that mobile subscribers benefit from number portability because it can help develop and sustain competition in the telecommunications sector. 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.

Specifically, number portability enables subscribers to retain a telephone number when changing a network or service provider. This applies equally to fixed (wireline) and mobile (wireless) services for all publicly available telephone networks. The process of transferring numbers between operators is known as porting a number.

Syniverse's Global Number Portability solution simplifies the complexities of meeting any country's number portability requirements. When faced with impending deadlines for government-mandated porting requirements, operators who choose a service bureau solution, such as the one offered by Syniverse, will have peace of mind knowing that the job will get done properly and on time.

Syniverse®

We make mobile work





Benefits

- Supports government-mandated requirements for the porting of numbers and can be easily adapted to each country's unique number portability requirements.
- Reduces upfront capital investment through a hosted solution.
- Minimizes operating costs while providing high availability as a mission-critical business system.
- Leverages Syniverse's global experience as a provider of managed number portability in 10 countries throughout the world.

Features

- Two interface options:
 1. A manual interface speeds implementation and reduces training costs.
 2. A flexible automated interface reduces overall costs, and it increases flow through to operator legacy systems.
- Administrative portability process flows (port in, port out, disconnect ported number, return ported number) supported.
- Interoperator messaging and central database united in a single application for fewer errors and simpler processes.
- Powerful reporting and analysis tools via Web-based number portability management.
- Global customer support center providing 24/7 network monitoring.
- Technology-neutral platform that supports fixed (traditional or IP) and mobile networks.
- Disaster recovery facility with fully redundant, instantly updated system that allows Syniverse to provide service in the event of a catastrophe.
- Training and testing facilities providing an isolated training environment and a preproduction platform for testing.
- Multiple interfaces (SOAP1.1, WSDL, machine-to-machine interface, Web-based HTML user interface, primary access through Internet fallback access via ISDN).
- Role-based security model with configurable and extensible role definitions, fine-grain access to facilities based upon role and user, and VPN access to the number portability system.

How It Works

The most effective implementation of a number portability solution involves the creation of a central database to hold the numbering plan and porting information. This database acts as a clearing house to facilitate communication between providers and support the distribution of routing information to all interested parties, regardless of the methods chosen.

A centralized database delivers these capabilities:

- Represents a long-term solution adopted by a majority of countries that enable number portability.
- Enables operators to address number portability as a way to gain additional subscribers.

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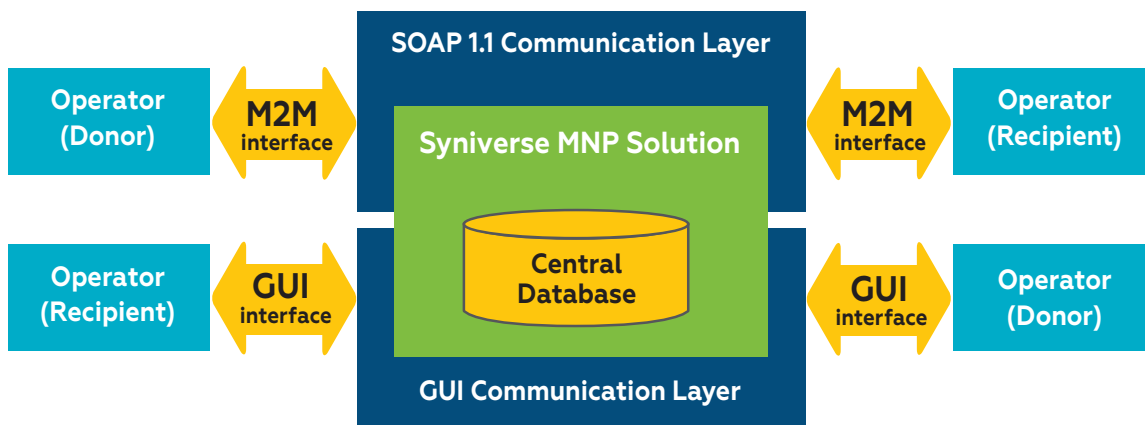


- Enables other revenue-generating services, such as calling name delivery and Electronic Number Mapping System (ENUM) dips.
- Reduces complexity in interoperator administration and network routing.
- Allows capital and operations expenses to be redirected to other priorities.
- Enables a flexible, near-real-time porting process.
- Provides interfaces for authorized government/regulatory reporting and access.

There are two parts to the number portability process: (1) the negotiation of the port between the network and service providers, and (2) the update of routing tables to ensure that a call terminates at the correct number.

1. Port Negotiation: The negotiation ensures that the correct number is transferred, the process meets the stated criteria for porting, and a date and time are determined for the port to complete. This is carried out using a central brokering system where the provider initiating the port (recipient operator) enters the details to be updated by both providers in line with the process defined within that country.

Syniverse Global Number Portability Solution



2. Routing Tables Update: The two main variations of routing methods are direct and indirect. The direct method requires all providers to know where to route all numbers, while an indirect method requires a provider only to know where to route any number that it owns that has been ported out. At the agreed completion time, routing tables are updated dependent on the routing method selected by the providers.

Donor vs. Recipient

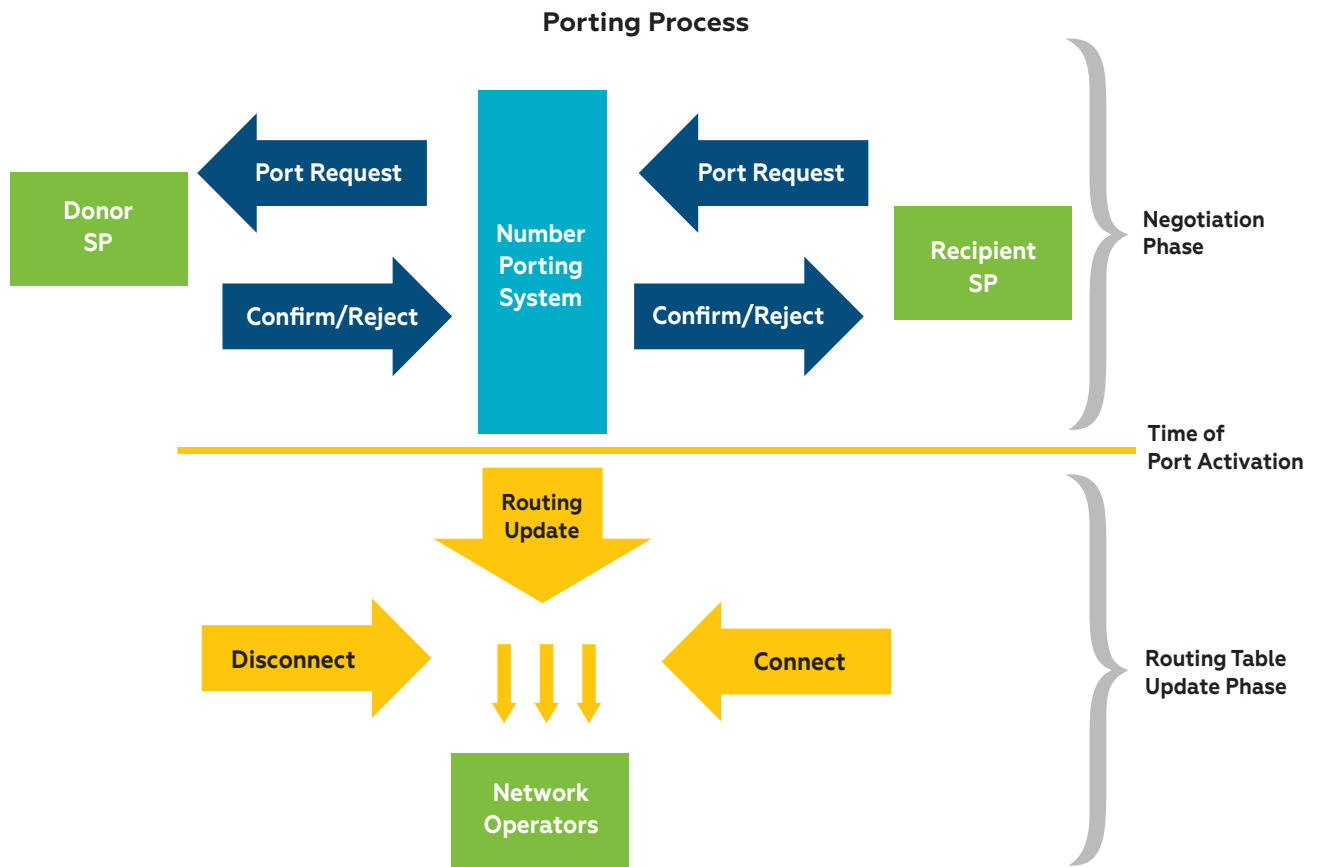
Depending on the country, either the current holder of the number (donor operator) or the intended new holder (recipient operator) can initiate the porting process. For the recipient-initiated model, a subscriber only has to contact his or her intended new service provider. The donor-initiated model is an opportunity to carry out the donor service provider's "retention" processes. The Syniverse porting solution supports both methods.





Typical Recipient Porting Process

The recipient operator enters a port request into the system – either directly from its point of sale system via an automated interface, or via the manual Web-based GUI. The donor operator then provides confirmation after normal checks that the port can be carried out and that the agreed-upon porting date can be met. The recipient operator then starts the port.



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](http://www.syniverse.com) for more information or visit www.syniverse.com to learn more.

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