

Porthus.net for Telecom



The Telecom sector is a very competitive industry. Telecom operators try to attract and keep consumers with all different types of promotions. Governments have put rules in place so that consumers can keep their mobile or fixed number when they change from one operator to another. With this in place, consumers can now benefit from the best service/price ratio.

Porthus.net for Telecom comprises a software framework and a range of services that fully supports the number portability task among the different operators. It has been successfully deployed in Europe and Middle East and is suited for both mobile and fixed operators.

► SOLUTION OVERVIEW

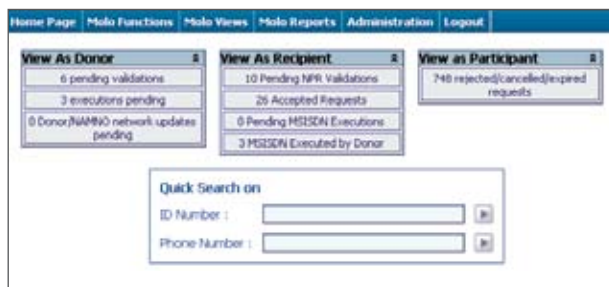
Porthus.net for Telecom can serve as a solution for both a centralized and a decentralized set-up.

In a centralized set-up the software framework is installed and configured in a central neutral environment with the option/possibility to install gateways that connect to the central system. The gateways are then integrated with the back-office of the telecom operator.

In a decentralized set-up the software framework is installed at the operator's premises and integrated into the back-office of the operator. Operators can then connect directly through multiparty connections with one-another.

For example in a centralized set-up, Porthus.net for Telecom is a platform to which all telecom operators with number portability obligation are connected. The purpose of the platform is threefold:

- Supporting the number portability process, both fixed and mobile
- Broadcast executed portings to all operators
- Common Reference Database of the history and current status of the number locations for the entire numbering plan



Some key capabilities of the solution are:

- Full-featured GUI for Operators (Role Based User Interface)
- Web services based integration e.g. messages in XML through https/SOA
- Depending on the level of integration with the back-office, an operator can be fully automated, semi-automated or GUI only participant
- Message Prioritization
- Sophisticated Business Logic for:
 - Message Format Validation
 - Element Validation
 - Porting Transaction Validation
 - Porting Case Consistency Validation
- Adaptable message workflow
- Timers to control the various workflows
- Forwarding / Routing of messages and intelligent retry mechanism
- Service windows for receiving messages
- Extensive Reporting, including subscriptions

Porthus.net for Telecom platform has been built upon proven Microsoft technology such as BizTalk Server and SQL Server.

► **INFORMATION ACCESSIBLE TO OTHER PARTICIPANTS**

Number Location Information needs to be accessible –depending on the country specifics- to other players such as

- ▶ The public; for lookup where a number resides today
- ▶ Judicial Authorities; for the porting history of a number
- ▶ Authorized 3rd Parties; for a list of all number portings (i.e. at which operator resides a number today) in order to do cost efficient call routing.

► **SERVICES OF THE PLATFORM**

Porthus.net for Telecom offers the following services:

- ▶ Infrastructure and Operation Services for supporting, managing and maintaining the Hardware, System Software and Network Elements
- ▶ Application Services take care that the applications are available and supported in order to effectively and efficiently support the business requirements of the porting processes
- ▶ Helpdesk Services

Other key responsibilities include conformity testing for new participants, change management, temporarily acting as a participant, report administration,...

► **READY FOR THE FUTURE**

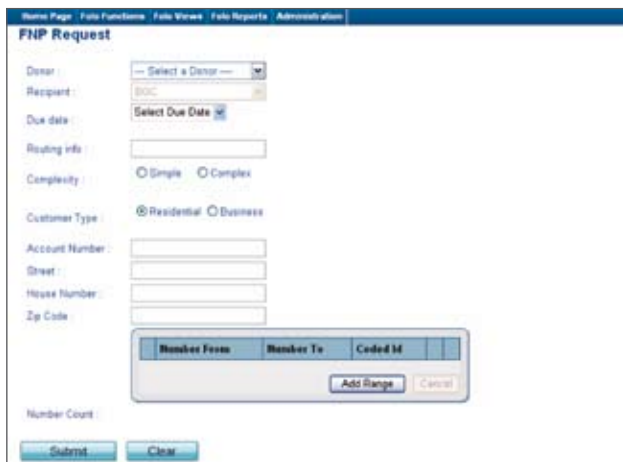
The Porthus.net for Telecom solution is future proof and very flexible. It can easily be extended with new operators, business logic, reporting... and adapted to new players such as MVNO (Mobile Virtual Network Operator), VoIP (Number Location Information for VOIP allocated numbers with no porting obligation),...

Furthermore the solution is high performant and scalable as the number of portings increases year over year.

► **ADDITIONAL SERVICES**

Porthus can offer the telecom community additional services and solutions such as:

- ▶ business consultancy for new operators that need to know how the porting process works
- ▶ building a message handler and integration to the backend of the operator
- ▶ hosting facilities for (small) telecom operators



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ABOUT PORTHUS

Porthus is a leading OnDemand Solution provider, enabling organizations to manage complex business processes across company boundaries. Porthus leverages innovative technologies and solutions to allow its customers to interact and conduct business with their clients, employees, public authorities and business partners, in a reliable, cost-effective and secure way. Porthus offers Professional Services, Managed Services and Software solutions in targeted markets in which Porthus acquired considerable knowledge and experience. With its B2B OnDemand solutions, Porthus covers customer locations throughout Europe and beyond.