porting **XS**
the process factory

The introduction of **number portability** is an important step in the liberalization of telecommunications markets. The definition of number portability: To enable subscribers **to retain** a **telephone number** when **changing** their network or service **provider**. PortingXS would like to add: In an **easy**, **fast**, **safe** and **customer friendly** manner.

Inports®

Inports® is the complete solution for the number portability process. The application supports portability of all types of numbers, from mobile and fixed telephony to ENUM, service and other types of telecommunication numbers. Inports® is available for regulators, telecom operators and service providers. Inports® can be fully integrated, be used as standalone portability solution and everything in between: whichever is preferred. Inports® consists of a number of services, which combined create the complete number portability suite:

Inports® web application

The Inports® web GUI provides real time access to the number porting system. Users are able to manage the complete porting process via the web interface. From starting a porting request and performing all next process steps, to creating export reports on specific search items. Authorization levels allow for easy configuration of rights and restrictions. Varying from single entry access, to multi user access, from 'read only' to 'read and write', with configuration possible up to single message level. All managed from the Inports® GUI. Furthermore, the management tab in Inports® allows for management of the complete process. Authorized users may configure or adjust the existing configuration on timers, windows and other configuration items. No need for extra implementation time or dependence on external parties: stay in control of the process yourself.

XML Web services and Pusher service

Available through internet via HTTPS, this service enables other environments to manage porting requests using XML messages. The service is IP-restricted and requires authorization. All data streams are validated extensively against XSD, Business logic components and database rules. Configuration per user is possible, depending on the wishes. Standard definitions are available but also custom definitions can be implemented if required.

Oracle

PortingXS uses Oracle database software as a basis for the Inports® application. All kinds of business rules are added for a 100% reliable interface. All activities performed via the web services will be logged in the database, in both activity and audit log tables. By doing so, every activity and action can be traced back to an end-user or connected partner system.

Reporting Tool

Select from a vast amount of standard reports, as well as create custom designed reports meeting specific needs. All reports can be scheduled, using a configurable interval (daily, weekly, monthly, custom calendar) in a wide variety of output formats. The following protocols are supported: FILE, Printer, Email, FAX, FTP, SMS and others if requested. Among many others, the following common output formats are supported: PDF, CSV, XLS, XLSX, Word, TIF, DIF, Text, XML, HTML.

Validation made easy… and safe

SMS solution

The unique Inports® SMS solution is an innovative way to provide a safe, easy and foremost customer friendly validation process in the porting flow. Instead of using all kinds of numbers for validation like account numbers, SIM numbers and so on, we use a SMS authorisation message send by the customer. All validation methods are necessary to check if the correct number is ported and that the customer owns this number. What we do with this validation: the customer sends a text message to a (short free phone) number with PORT in the content. Our tool receives this number from the operator and matches the number with the porting request in the database. We now know that it is in fact the customer that wants to port, but we also see that we have a porting request for the correct number, using the CLI identification. Besides using the SMS for validation purposes, Inports® also can be programmed to inform customers during their porting journey. From messages that are sent in case of an rejection, to informing the customer to change their SIM card at the moment of port. Messages can be branded on service provider level.

IVR validation

For the fixed number portability process we provide in a Voice Response System (IVR). The customer calls to an IVR using the to be ported number, the CLI is recognized and added to the PortingXS database. For further authorization purposes an optional 4 digit ID number can be implemented as well. If the number in the database is matched with a number in a request, the request for porting is sent to the donor Operator.

Porting process time from start to finish: 2 minutes

Request for number porting	Agreement	Synchronisation	Handover	Informing of all operators	Porting finished

Future Proof

Inports® is prepared for porting of ENUM numbers. Besides delivering a complete number portability solution, Inports® can also be extended with N-Base. N-Base is PortingXS' Number Management system, which enables regulators and telecom providers management of the complete national numbering plan. N-Base includes broker functionalities, step-by-step validation processes, timers for cooling off etc. It gives regulators a complete suite to perform their management of communication numbers. We have custom solutions for Lawful Interception, Do-Not-Call-Registers, IMEI number services. Please contact PortingXS to explore the possibilities.

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PortingXS is an organisation that supports the telecommunications sector in every region of the world with far reaching professionalisation and efficient service design. **PortingXS is an independent party that operates on behalf of all affiliated providers**. Client-specific interfaces for Number Portability, CRM, billing and routing systems are managed on a daily basis by the PortingXS technical helpdesk. Additionally, it takes opportunities, consults with parties and in this way supports the innovation of the telecommunications market.   www.portingxs.com

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