

Mobile Number Portability

22- 26 April 2013
Trinidad and Tobago



COMMONWEALTH
TELECOMMUNICATIONS
ORGANISATION



Overview

Mobile Number Portability (MNP) is a very complex project that affects virtually every area of an operator's business. Awareness of the implications of MNP and understanding of key concepts and dependencies related to MNP is crucial for the successful completion of a project.

Organised under



For more information
about this course, or to
register, contact us on:
Tel: +44 (0) 208 600 3800
Fax: +44 (0) 208 600 3819
Email: programmes@cto.int

OBJECTIVES

- Awareness and understanding especially with relation to extensive modifications required in the network and IT systems
- Knowledge about the legal requirements and the role of regulatory bodies
- Understanding of the key assumptions concerning regulatory aspects, traffic routing, interconnect, marketing and project management.
- Impacts of MNP on CN systems and available functionalities and solutions for each case
- Idea regarding how a coherent network-wide solution can be worked out and optimized
- Detailed routing and network configuration aspects
- Demonstration of solution and Roll out

TARGET AUDIENCE

This course is intended for anyone involved in the Number Portability project including project managers, project workgroup leaders and experts in the areas of core network, VAS, IN, IT systems, billing, interconnect, provisioning, service cost modelling regulatory issues and marketing.

EXPECTED OUTCOMES

At the end of the training, the successful participant will have reliably demonstrated the ability to do the following:

- Handling number portability issues and requirements including regulatory and legal aspects.
- To engineer extensive modifications required in the network and IT systems
- To plan for traffic routing, interconnect, marketing and project management
- Implementation of network-wide solution and optimisation
- Understanding of detailed routing and network configuration aspects

OUTLINE

INDUSTRY OVERVIEW, SYSTEM OVERVIEW AND KEY CONSIDERATIONS

- Key definitions related to number portability
Motivation
- Legal requirements
- Role of the regulator
- Areas of cooperation between operators
- Areas impacted in operator's business
- Project set-up
- Strategy and marketing assumptions
- Position in negotiations with other operators and vendors
- Porting process

- Exchange of porting data between operators, central database and other models
- Tariff transparency
- Solution architecture; MNP databases, their localization and role
- Overview of routing schemes for voice, SMS and MMS
- Interconnect aspects
- Support in operator's IT systems and systems affected - including billing, provisioning, porting process support
- Overview of network solution
- Discussion of key dependencies between various areas of the project

NETWORK IMPLEMENTATION AND SYSTEM INTEGRATION:

- Discussion of important inputs and assumptions for the network project
- Defining a list of services and systems affected
- Defining and negotiating necessary changes in SS7 on inter operator interface Network solution architecture; location of NP database(s) in network structure
- Details of routing models for voice and SMS and their realisation options SRF/MATF based solution versus IN based solution NPDB defining the requirements and choosing adequate solution (investigating what functionalities are required in the network-level MNP database, discussing how to choose the most adequate NPDB solution in a given network environment).
- Detailed discussion of modifications required to CN systems - MSCs, PrePaid, VPN, SMS, MMS, VMS, LBS, interdependencies with systems surrounding CN (mediation and billing, provisioning, interconnect); working out a coherent network-wide approach
- Call flow optimization, redundancy issues
- Solution rollout and testing

FACULTY

Trainer Profile – Rakesh Mehrotra

Rakesh Mehrotra has worked in senior positions in various domains including R&D, Policy & Regulation, business operations, manufacturing, academics, Government relations etc. In his last assignment with industry he served as President (Innovation) and Chief Corporate Regulatory officer of Tata Teleservices Ltd, which is one of the major telecom operators in India.

He is well known for telecom reforms, innovation and out of box solutions, introduction of new services and applications for cost. He has been involved in the introduction of Mobile Number Portability in India from policy, regulatory, technical and implementation point of view and presented case studies and presented lectures on the subject in various forums at the time of introduction of MNP in India.

He was also instrumental in establishing IIT Bombay – Tata Tele Telecom Centre of Excellence. He worked with Tata Institute of Fundamental Research on “proof of concept of highly innovative projects in the field of mobile communication to reduce the cost of access network in a dramatic manner”.

Rakesh played a pivotal role in launching India's first DTH platform and worked for growth oriented, regulatory and policy regime within the broadcasting sector.

He got empanelled twice for the position of Member - Telecom Regulatory Authority of India.

Rakesh has completed his Masters in Science (Physics) with specialisation in Electronics and Communication and has subsequently done his Doctorate in Application of Semiconductor Devices. He has presented several research papers in many national and international symposiums.

He currently teaches telecommunication technology to undergraduate and post graduate students at a private engineering institute in India and is a visiting consultant for training programs pertaining to his domain conducted by Eagle Photonics Pvt. Ltd in-house and at various client places.

Registration Form

Mobile Number Portability, 22/04/2013 - 26/04/2013, Trinidad and Tobago

Event ID: 7467

Please clearly fill all sections of this application form and fax it back to +44 20 8600 3819, or return it to the CTO at programmes@cto.int. Please use CAPITAL LETTERS.

Personal Details

Mr/Mrs/Ms/Other _____ First Name _____ Last Name _____

Job Title _____

Organisation _____

Address _____

City _____ Postcode _____ Country _____

Tel. _____ Mobile _____ Fax _____

E-mail _____

Authorising Line Manager's Name _____

Authorising Line Manager's E-mail _____

REGISTRATION DEADLINE

12 April 2013

3 SIMPLE WAYS TO REGISTER!

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E-mail the programme team at
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Call us now on +44 20 8600 3800
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Payment Options

1. **Select Delegate Rate** (please refer to the list of CTO members/PDT Partners provided overleaf)

	Standard Rate	Early Registration by: 08 March 2013
CTO Members	<input type="checkbox"/> £799	<input type="checkbox"/> £749
PDT Partners	<input type="checkbox"/> £799	<input type="checkbox"/> £749
Others	<input type="checkbox"/> £1,199	<input type="checkbox"/> £1,149

2. **Payment Mode** (choose from either Invoice, Bank Transfer, Cheque, or Credit Card)

Invoice
Invoice me at the above address
(Discounts do not apply, payment must be received by us prior to the above event's start date)

Bank Transfer
To: Couatts & Co., 440 Strand, London WC2R 0QS, UK
A/c Name: CTO; A/c Number: 83675071
Reference: GB7ZCOUT18000208367507
Sort Code: 18-00-02; Swift Code: COUT GB22

Cheque
Cheque enclosed,
payable to "CTO HQ"

Credit Card: Visa / Mastercard (circle as appropriate)

Card Holder's Name _____

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Valid From MM / YY Expiry Date MM / YY 3-digit security code on back of card | | |

Summary Terms and Conditions

The CTO will endeavour, as can be reasonably expected, to ensure that the course is delivered to meet delegates' expectations. Registration is subject to availability and payment received by the deadline where specified, or else before the course start date, whichever applies. Dates may be subject to changes. Travel, accommodation, daily transportation to venue, subsistence and other costs are the sole responsibility of the delegate and are not included in the above fees. Applicants are responsible for their visa arrangements and other formalities wherever required. Course bookings may be cancelled at the discretion of the CTO or its partners. Applicants paying by bank transfer are responsible for bank charges and any other such costs and should ensure the exact amount in GBP Sterling is credited in the CTO bank account. Applicants requiring additional information prior to their booking should ensure they provide sufficient time before the booking deadline. Cancellation rules apply, as summarised below. For a full version of our Terms and Conditions, please visit our website at www.cto.int.

Cancellations / Refunds

For delegate cancellations/withdrawals, the following refund rules apply:

- 31 days or more prior to event: the full amount less a handling charge of 10% or a minimum of £55, whichever applies
- 30 days or less prior to event: no refund

For CTO cancellations/withdrawals, delegates are entitled to a 100% refund within 60 days of the withdrawal/cancellation. Refunds will be made by bank transfer only.

Signature

Date _____ Name _____ Signature _____

Additional Information

To help us improve our services to you and your organisation, please tell us more about you and your organisation.

Your role in the organisation

Strategic/executive
 Planning
 Control
 Operational

Your area of work in the organisation

Business development
 Marketing and sales
 Corporate affairs
 Public relations and corporate communications
 Customer service and care
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 Telecoms network management
 Financial, purchasing and investor relations
 Human resources
 IT/IP management
 Other

Your organisation type

Government
 Regulator
 Operator
 Manufacture
 Other

Your organisation's service areas

Fixed network/services
 Broadcasting
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 Value-added services
 Satellite network/services
 Support
 Internet
 Other services

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