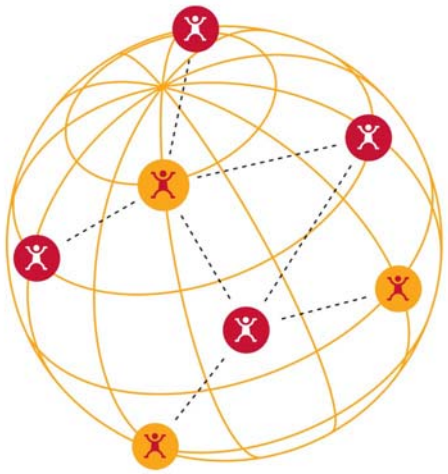

IINTERNATIONAL IP INTERCONNECTION – BUSINESS ASPECTS

Based on the work of the i³ Forum

DESCRIPTION

A 3-day Training Program to provide participants with an understanding of the i³ Forum recommendations regarding voice-related services with respect to their migration from TDM to IP interconnections.

OBJECTIVES

- To provide and explain the detailed recommendations developed by the i³ Forum regarding the exchange of voice-related services over international IP interconnections and the associated business models
- To identify and define the Quality of Service (QoS) indicators for Voice over IP (VoIP) that will eventually allow a committed level of QoS with relevant, measurable and commonly described indicators

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TOPICS

- Introduction
  - The changing environment in international voice interconnection
  - Overview of the i³ Forum and its work

- International voice business model
  - Bilateral service definition and business model
  - Hubbing service definition and business model
  - Interconnection solutions supporting bilateral and hubbing services
    - Private and secured IP transport business model
    - Public IP Networks
      - Controlled and managed IP networks
      - Third party public internet networks
  - Service quality and specifications
    - High quality vs. best effort quality
    - Quality components of an IP voice interconnection
      - Overall voice quality indicators
      - Network transport quality indicators
      - Security quality indicators
      - Signalling quality indicators
  - Communities
  - Routing
  - Comparison of interconnection solutions
  - i³ Forum recommendations

- Migrating SS7/C7 over IP for mobile roaming
  - Overview of SS7/C7
  - Sigtran
    - Overview and benefits
    - IETF Sigtran architecture
    - i³ Forum recommended Sigtran protocol stacks
  - Security
  - Signalling reliability
  - Sigtran Signalling GateWay (SGW) to SGW interconnection

- Ring-back-tone delivery
  - Definition
  - Ring-back-tone in TDM networks
  - Ring-back-tone in VoIP networks
    - SIP 180 and 18x
  - Ring-back-tone in hybrid VoIP & TDM networks
  - i³ Forum recommendations for ring-back-tone management

- Recommendation summary for TDM/VoIP migrated services
  - Special case of reverse charged calls

- QoS for voice
  - Industry demands of high QoS for voice
  - QoS Key Performance Indicators (KPIs)
    - Recommended QoS KPIs to be included in a Service Level Agreement/Service Level Offer (SLA/SLO)
    - KPIs for information only
  - Framework to implement back-to-back QoS
  - Process to measure QoS KPI's
  - Best practices for ensuring QoS management

TARGET AUDIENCE

Commercial managers and other personnel looking to gain a thorough understanding of the service-related recommendations of the i³ Forum on international IP interconnection.

METHODOLOGY

Neotelis Training Programs combine expert presentations, workshops, case studies, hands-on activities and discussions on real-life situations faced by participants.

Complete training material is provided to all participants for future reference and follow-up action plans.

LOCATION

Our Training Programs are held at regular intervals in selected cities around the world. Upon request, our expert trainers can lead Training Programs at the location of your choice. If interested, please contact us at training@neotelis.com.

EXPERTISE

Neotelis provides consulting and training services to organizations worldwide. Its team of experts has trained thousands of individuals in technical, managerial and executive roles, who are working for operators, regulators, policy-makers, governments and private sector corporations in over 100 countries around the world.

The i³ Forum brings together the communications expertise of more than 37 telecommunications providers, representing a combined retail base of over 1.5 billion customers across more than 100 countries. The goal of the i³ Forum is to develop collaborative recommendations for an industry-wide transition of voice and related services to Internet Protocol (IP). The forum's unified effort to expedite global IP-based voice implementation support widespread access to innovative and high quality IP-based services and applications.