TK940 : MNP fundamentals

Duration

1.0 Days

Course Content

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- 1.1. Number Portability fundamentals
  - 1.1.1. Regulation
  - 1.1.2. Number Portability concepts
    - 1.1.2.1 Portability Domain
    - 1.1.2.2 Number Range Holder Network
    - 1.1.2.3 Subscription Network
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  - 1.1.3. Number Portability Status
  - 1.1.4. Impact of Number Portability
- 1.2. Number Portability Procedure
  - 1.2.1. Call routing with and without Number Portability
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2. Number Portability Procedure

- 2.1. Call routing with Number Portability
- 2.2. Call routing without Number Portability

3. Main subscriber data stored in MNP

- 3.1. Purpose of One-MNP
- 3.2. Events when MNP is used

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3.2.1 Call setup

3.2.2 SMS delivery

3.2.3 Call charging

3.2.4 SMS screening

3.3. MNP subscriber data

3.4. MNP and UDC

3.5 MNP features overview

3.5.1 IN call related processing

3.5.2 SRF call related processing

3.5.3 SMS Screening

3.5.4 InitialDP Relay

3.5.5 Local MNP Query

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4. MNP features

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4.1.1. Non-call related processing

4.1.2. Call related signaling

4.1.2.1 Signaling Relay Function (SRF) call related processing

4.1.2.2 Intelligent Network (IN) based call related processing

4.2. Non-call related signaling supported by MNP

4.2.1 Non-call related processing

4.2.1.1 Direct routing

4.2.1.2 Indirect Routing

4.3. Call related signaling supported by MNP

4.3.1 Call related processing

4.3.1.1 Direct routing

4.3.1.2 Indirect routing

4.3.2 Call related processing (IN-based)

4.3.2.1 Originating Call Query on Digit Analysis (OQoD)

4.3.2.2 Query on HLR Release (QoHR)

4.3.2.3 Terminating Call Query on Digit Analysis(TQoD)

4.3.2.4 Circular Routing

4.3.2.5 Local message handling

4.4. Non Standardized features processing

4.1 SMS screening

4.2 Prepaid charging & MNP

4.2.1 Initial Detection Point (IDP)

- IDP relaying
- IDP relay followed by SRI
- Local MNP query