XRoute
Voice and Routing Control

XRoute routes voice calls from the origin to the destination

Voice routing plans are calculated according to predefined parameters and a proprietary master code destination list/database, and are provided to the target systems manually or in a fully automated manner using the XProv application.

Smart routing plans are defined based on quality, capacity and cost specifications and are deployed for a specific and valid time. Excess and alternate routes are available multiple times if they meet commercial specifications.

XRoute provides system-related and automated mechanisms to implement commercial and technical route optimizations.

XRoute supports any number of voice routing plans. Carriers usually operate a wholesale routing plan according to cost optimization and premium routings to meet the highest demands with the business and private customer target segments.

Functions

Any number of routing plans can be defined according to the following factors:

- Destinations from a well-organized proprietary master code destination list (area codes) and corresponding carrier mapping
- Price lists (costs) from selected supplier carriers allocated to routing plans
- Time-based routings based on times of day, different costs (timeband costs)
  - e.g. peak, off-peak, night, weekend, business hours, etc.
- Start and end dates and routing validity times
- Availability of interconnection capacities to specific destination carriers
- Definition of trunk groups and signaling parameters
- Integration of voice quality parameters
- Promotion of certain carriers or trunk groups (overriding)

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Master Code Destination List

- Telephone area codes are managed in the master code destination list (DCL). This list manages all of a carrier's possible/necessary destinations and assigns unique telephone area codes to them. Each carrier maintains its own master code destination list. Additional parameters like the type of voice traffic can be defined: national, international, landline, cell phone, freephone, premium rate numbers, etc.

- Destination groups organize destinations with many area codes.
- Definition-related differences often arise among carriers due to this situation. These differences are resolved in the DCL editor and form the foundation of ensuring that no incorrect routings are made and that no errors occur in the final invoicing and cost controls.

Customer Added Value

Automation
Mathematically automated and optimized routing plans based on specific parameter requirements.

Differentiation

- Operation of multiple routing plans for the benefit of specific target groups/customer groups due to differentiated requirements.
- Differentiation of the carrier brand due to effectively better voice quality.

Optimization and backup

- Optimized voice routings based on commercial, technical, capacity-related and quality specifications.
- Safeguarding of commercial agreements based on the optimized routing plans.
- Precise destination definitions to prevent incorrect routings and potential financial losses.