



Iskratel Voice Modernisation IMS/VoLTE Core Solution

End-user benefits:

- Location- and deviceindependent service access
- Improved user experience

In the turbulent telecommunication markets, Telco operators are challenged with falling prices on voice services due to competition and new communication channels. Furthermore, they are faced with high OPEX for existing network equipment, which in the worst case might even be declared as end of life by the vendors.

IMS based network architecture, introduced by the standardization bodies and implemented by all major vendors, provides an answer to both challenges.

SIMPLIFIED NETWORK TRANSFORMATION

The investment costs that are required for complete network transformation are usually too high and operators do not see the business case in it.

End customers are unwilling to accept any additional costs for the operator's technology transformation. Therefore the key to an agile operator network is to develop a comprehensive architecture deployed on a flexible infrastructure.

Iskratel took these challenges under consideration when developing its solution. By providing multiple functions on a single network element, this resulted in simplification of the complex network architecture.

The Iskratel IMS/VoLTE Core solution reduces the deployment complexity and shortens the IMS implementation time for the operator.

Applications & Content

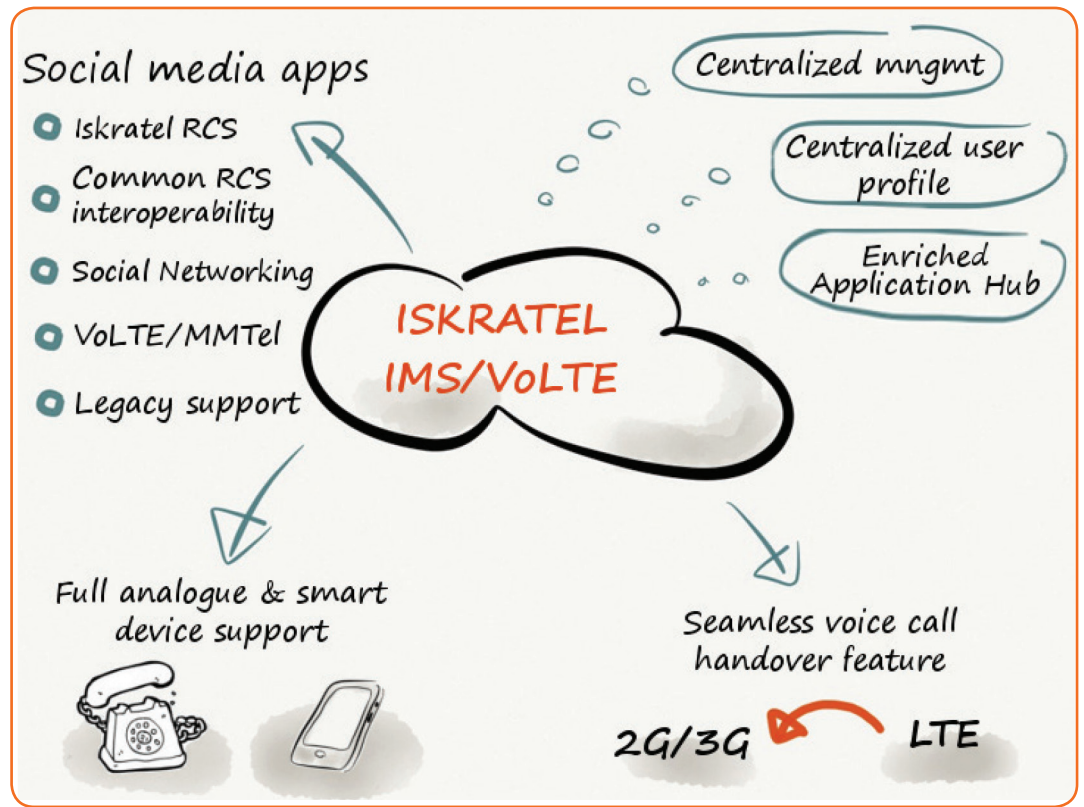
Common Service Capabilities

Network / Transport
(Different access -> IP)

Horizontally Layered Networks

Operator benefits:

- A single, compact application framework
- Reduced number of new network elements
- Reuse of existing equipment, dual mode operation
- Efficient integration with the existing NGN



IMS/VOLTE CORE AND IMS EDGE IMS: THE 'ALL IN ONE' IMS

The main focus of solution architects in Iskratel, when designing the IMS solution, was how to simplify the migration process for operators in the transition period from existing TDM/NGN network to pure IMS network.

Iskratel's unique implementation of dual mode (NGN/IMS) operation on a single node provides operators with gradual migration scenarios.

With only a software upgrade required, the SI3000 CS takes over all the functions for the session and media control in the IMS core network.

With a lower number of physical elements and common network element management with open standard interfaces, the integration with an operator OSS/BSS is a straight forward process which is supported by the Iskratel professional support team.

A IMS solution is providing carriers with service environment for the lowest investment costs and protection of existing investments.

Our migration scenarios also cover many types of existing TDM network deployments.

The Iskratel solution protects the existing investment in the infrastructure and enables operators to create an environment for the deployment of new, exciting services.

ISKRATEL Group

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