

Iskratel Regulatory and Government Solutions

Beyond-Voice Lawful Interception

Why Iskratel?

- Decades of experience
- End-to-end turnkey solutions
- Easily upgradable and extensible to new protocols and standards

Benefits

- Mediation and concentration enable cost optimisation for operators and authorised agencies
- Secured and scalable storage system
- Investment protection
- Applicable as an all-in-one solution, providing concentration, conversion, storage, and user interface

ISKRATEL'S APPROACH

In the modern world, ensuring citizens' safety from terrorist and criminal activities is an important task, to which telecom operators and service providers can greatly contribute. To fulfil this statutory task, they require solutions that are efficient, reliable and affordable at the same time. In cooperation with competent authorities and in accordance with national and international laws and standards, they ensure the collection, storage and analysis of information and data.

Rapid development of telecommunications and new communications channels requires constant adapting, as data flow across networks of different generations, from TDM through NGN to modern IMS and LTE networks. Fixed-mobile convergence has brought the use of a variety of terminals. Once limited to just voice, communications have turned into multimedia data transmission, enabling voice and video communication, internet access, e-mail, instant messaging, communication via social networks, etc.

Iskratel builds its products and solutions for lawful interception exploiting long experience and deep knowledge of telecommunications networks around the world. Iskratel's portfolio includes network elements (TDM and NGN switches, as well as IMS/LTE/EPC network elements) that support specific requirements imposed by the regulators (e.g. ETSI LI, SORM, etc.).

Modern network systems support different, often incompatible protocols. To optimise investments for operators and service providers – as well as for authorised agencies – Iskratel provides efficient systems for mediation, concentration and protocol adaptation: Iskratel Mediation devices and concentrators.

The modular design allows flexible adaptation and customisation to the requirements of a certain market and specific projects. Easy software upgrades provide new interfaces and support for additional protocols.

To support effective operation of authorised agencies, Iskratel also provides solutions for collection, storage and processing of legally acquired information.

ISKRATEL MEDIATION DEVICE

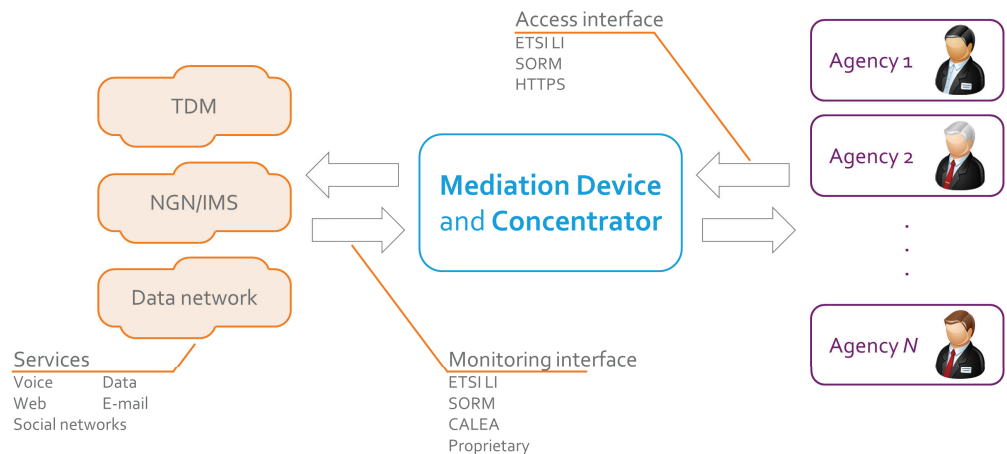
Iskratel Mediation Device is used as a key element connecting the operator's or service provider's network with surveillance elements in

- Standard voice (TDM) networks;
- NGN/IMS networks;
- IP-based data networks (LTE/EPC).

The interface to operator's equipment supports various international and national standards, while ensuring interoperability with key manufacturers of telecommunications equipment.

Key features

- Suitable for all types of operators and service providers
- Independent of underlying technology
- Flexibility and fast project adaptation
- Variety of supported standards and interfaces (ETSI LI, SORM, SORM-2, SORM-3, CALEA)
- Scalability
- Redundancy and geo-redundancy
- Secure and encrypted data exchange prevents data leaks and unauthorised use



EVOLUTION AND MODULARITY

The system allows flexible placement in the network and can be upgraded according to operator's needs and regulatory requirements. Collection, storage and transmission of voice-communications data are supplemented by gathering information on different types of data traffic. At the same time, the system ensures collection and storage of statistical data (data retention).

CONNECTION TO AUTHORISED AGENCIES

The interface towards agencies supports many international and national standards as well. Modular design allows for quick and efficient adaptation to specific requirements. Thus, in addition to the standard (such as ETSI LI and SORM) interfaces, the HTTPS interface can be used, ensuring adaptation to specific customer needs. The information collected can be simultaneously sent to multiple agencies, with mutual independence provided.

RELIABILITY

The solution is based on carefully selected components. Its modular design allows efficient starter packages for small operators. The basic variant of the system is non-duplicated, while a duplicated one is used for larger configurations. A geo-redundant version is also available. The software design allows upgrading without any downtime or impact on the users' work.

Flexible design makes the system fit for use in networks of different types and generations. Software upgrade allows customisation of functionality to comply with new regulatory requirements and network development. The user interface is easily customisable to meet subscriber's needs. Secure, encrypted data exchange prevent unauthorised use.

ISKRATEL Group

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