NORSI-TRANS
Closed joint-stock company

Full range of LI solutions

Lawful Interception Voice Traffic (LI-1)

"VITOK-SDH"

"Vitok-SDH" — Hardware-Software Complex for Lawful Interception lines synchronous digital optical connection (SDH — Synchronous Digital Hierarchy).

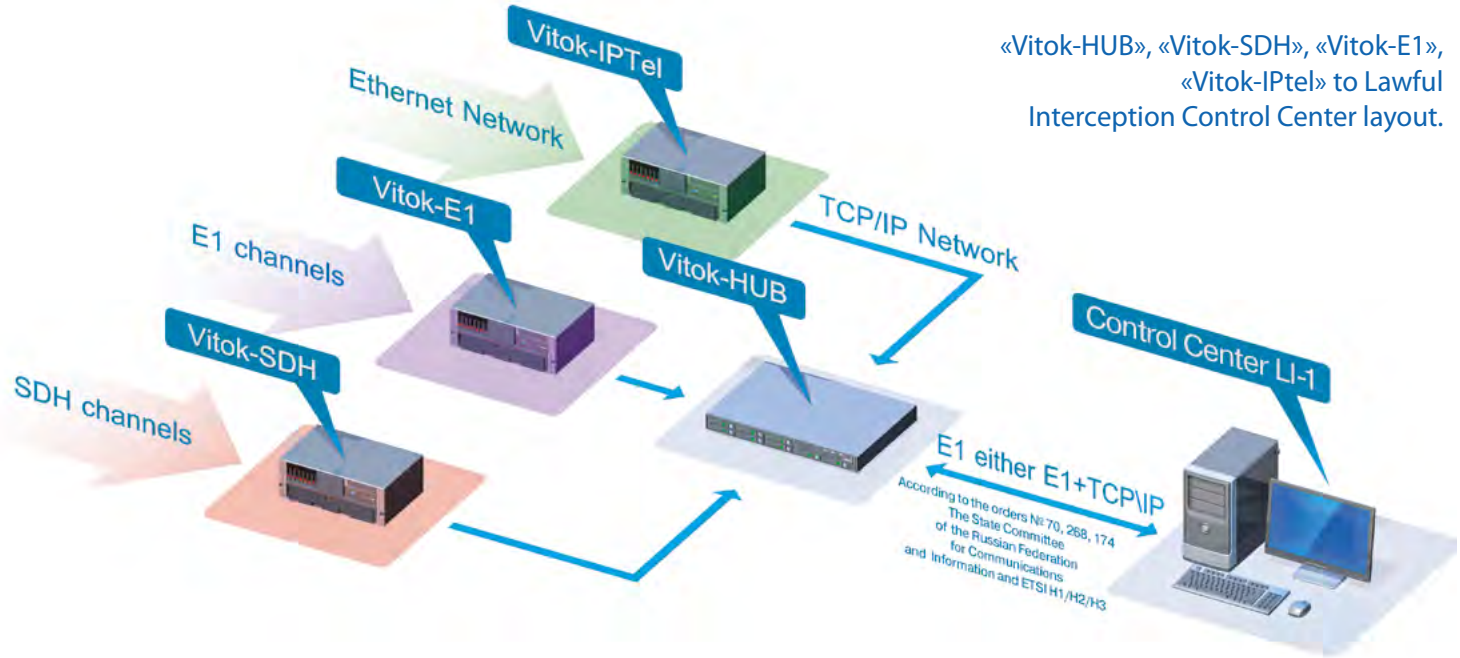
KEY FEATURES:

- Retrieval of audio data from STM-1/STM-4/STM-16 (ITU-T G.707) channels in the passive mode;
- Possibility to analyze the channel structure with automatic identification of containers hierarchy, localization of signaling SS-7 (ITU-T Q.703, Q.704, Q.763) and audio (ITU-T G.711);
- Processing of multiservice (voice+data) optical networks of STM-1/STM-4/STM-16 SDH level — any level hierarchies;
- Wide capabilities for scaling, building of distributed hierarchy configurations (up to 100 optical channels in one hierarchy node);
- Transfer of commands to Lawful Interception Control Center via the hub: X.25/E1/G.703 or IP/TCP, Ethernet protocols pursant to orders № 70, 268, 174 of the Ministry of Communications Russian Federation and ETSI H1/H2/H3;
- Optional compression of sound during transfer between the system components for installation on weak communication lines.

TECHNICAL CHARACTERISTICS:

Retrieval devices:

- 1U form factor, 360W: 1 duplex optical channel STM-1,4,16;
- 2U form factor, 460W: 4 duplex optical channels STM-1,4;
- 4U form factor, 400W: 2 duplex optical channels STM-16.



«Vitok-HUB», «Vitok-SDH», «Vitok-E1», «Vitok-IPtel» to Lawful Interception Control Center layout.

Lawful Interception Voice Traffic (LI-1)

"VITOK-E1"

"Vitok-E1"— Lawful Interception Hardware and Software System for E1/PDH/PCM-30 digital communication lines.

KEY FEATURES:

- Audio data processing on 1-24 duplex E1/G.703 channels;
- Signaling autodetection;
- Possibility of full integration with "Vitok-SDH" system (for modular designs).

TECHNICAL CHARACTERISTICS:

Compact design:

- 3U or Tower form factor, including retrieval device and communication hub;
- Monitoring of 1 to 24 input E1 channels;
- Transfer of commands to Lawful Interception Control Center: via X.25, E1/G.703 or IP/TCP, Ethernet protocols pursuant to Orders No. 70, 268, 174 of the Ministry of Communications and ETSI H1/H2/H3.

Modular design:

- 1U form factor, 340W: communication module for monitoring of 1-8 duplex E1 channels;
- 2U form factor, 460W: communication module for monitoring of 1-24 duplex E1 channels.

"VITOK-IPTel"

Hardware and Software Complex Lawful Interception for VoIP telephony processing.

FUNCTIONS:

- Passive connection to Ethernet 1GbE and 10GbE channels (connection to the splitter/span ports);
- Automatic identification and processing of signaling protocols H.323, SIP, SIP-T, H.248, MGCP, M2UA, M3UA, SIGTRAN, SS7;
- Decoding of RTR voice traffic compressed by voice codecs G.711 (α-Law, μ-Law), G.722, G.723.1 (5,3k, 6,5k), G.726 (16k, 24k, 32k, 40k), G.728; G.729 (A & B), GSM -FR, HR, -EFR, -AMR, G.722.2 (AMR-WB), iLBC (20ms, 30ms) (13k, 15k); Speex etc;
- Integration with "Vitok-SDH" system (for modular designs).

TECHNICAL CHARACTERISTICS:

Compact design:

- 2U form factor, including the retrieval device and retrieval device hub;
- Transfer of commands to Lawful Interception Control Center: via X.25, E1/G.703 or IP/TCP, Ethernet protocols pursuant to Orders No. 70, 268, 174 of the Ministry of Communications and ETSI H1/H2/H3.

Modular design:

- 1U form factor, 320W: Retrieval device for monitoring up to 4Gbit IP telephony traffic;
- 2U form factor, 460W: Retrieval device with connection to 10Gbit channels.

NORSI-TRANS
Closed joint-stock company

CJSC «NORSI-TRANS»
12/15 Bolshaya Novodmitrovskaya, 127015, Moscow, Russian Federation
Tel.: +7 (495) 748 74 83
info@norsi-trans.com, **www.norsi-trans.com**