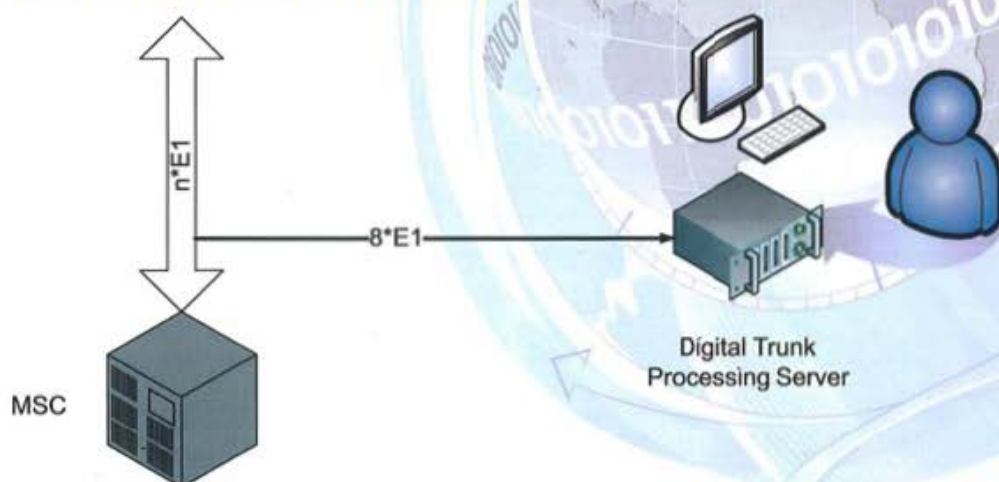# TerraLine

CRYPTON - M

Trunk-based communications monitoring system

"TerraLine Portable"

The system is intended for operative control of up to 8 duplex digital E1 trunks of fixed phone network or GSM cellular communication network. "TerraLine Portable" system allows to provide fast monitoring of currently interesting connections. The optimization of used software enables to combine on one PC the abilities of big stationary monitoring systems.

"TerraLine Portable" system provides:

- Monitoring connection, tapping and translation of up to 8 duplex digital trunks of E1 standard (G. 703) 75/120 Ohm;
- Procession of digital trunks with ITU #5, R1, R1.5, R2, DTMF, R2D, ISDN, EDSS1, SS#7 signaling;
- Procession of digital trunks of GSM cellular communications network with A or A-ter interfaces;
- Automated selection of sessions by phone numbers, MSISDN, IMSI, IMEI, Cell ID;
- Demodulation of fax sessions, according to V.27ter, V.29, V.17 and V.34 fax recommendations;
- Procession of MH, MR, MMR, ECM, JBIG, JPEG protocols.
- Demodulation of V.21, V.22, V.22bis, V.26, V.26bis, V.27, V.29, V.32, V.32bis, V.33, V.34, V.90 modem sessions;
- Decoding and error correction V.42, V.42bis, V.44, CODEX, MNP 1-5, HDLC, PPP, Slip, UUCP, IP, TCP, UDP, SMTP, POP3, IMAP, MIME, FTP, Web, X-Y-Z modem and Kermit protocols etc;
- Support of the local database, providing the storage of phone numbers of interest and search of information about the required communication sessions;
- Automated archiving of the recorded information into external digital media;
- Automated operation of the system according to pre-set scenario;
- Possibility of the remote access to the system via LAN, WAN, Dial-up, Leased line.

MSC

n*E1

8*E1

Digital Trunk
Processing Server

CRYPTON-M, LTD.

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TerraLine

CRYPTON - M

Trunk-based communications monitoring system

"TerraLine Global"

The "TerraLine" Global Monitoring System (hereinafter as "System") is designed for automatically input, record and process communication sessions from digital trunks with different kind of signaling such as ITU #5, R1, R1.5, R2, DTMF, R2D, ISDN, EDSS1, SS#7 and A or A-ter interfaces. The System provides classification of sessions according to signal forms (voice, fax or data) and their storage during predetermined time together with the session-related information (date, time, duration, calling and called telephone number, TMSI, IMSI, IMEI, cell's number etc.). Also System provides an ability to determine a location of the selected/targeted mobile subscriber while the session is in progress.

"TerraLine Global" system provides:

- Monitoring connection, tapping and translation of digital trunks of E1 and STM1-16;
- Procession of digital trunks with ITU #5, R1, R1.5, R2, DTMF, R2D, ISDN, EDSS1, SS#7 signaling;
- Procession of digital trunks of GSM cellular communications network with A or A-ter interfaces;
- Automated selection of sessions by phone numbers, MSISDN, IMSI, IMEI, Cell ID;
- Demodulation of fax sessions, according to V.27ter, V.29, V.17 and V.34 fax recommendations;
- Procession of MH, MR, MMR, ECM, JBIG, JPEG protocols.
- Demodulation of V.21, V.22, V.22bis, V.26, V.26bis, V.27, V.29, V.32, V.32bis, V.33, V.34, V.90 modem sessions;
- Decoding and error correction V.42, V.42bis, V.44, CODEX, MNP 1-5, HDLC, PPP, Slip, UUCP, IP, TCP, UDP, SMTP, POP3, IMAP, MIME, FTP, Web, X-Y-Z modem and Kermit protocols etc;
- Support of the local database, providing the storage of phone numbers of interest and search of information about the required communication sessions;
- Automated archiving of the recorded information into external digital media;
- Automated operation of the system according to pre-set scenario;
- Possibility of the remote access to the system via LAN, WAN, Dial-up, Leased line

TerraLine
Trunk-based communications monitoring system