



Solution Highlights

MIND-iPhonEX[®]
Billing & Customer Care

Lawful interception and retention of IP data traffic

- Capturing, retention and interception of any IP data from any source
- Robust real-time event correlation
- Easy adjustment to local authorities' requirements

Lawful interception challenges

The Interception and Retention of data (IP) traffic raises new challenges that did not exist in traditional voice. Intercepting phone calls requires interfacing with voice switches and monitoring a single source of information. The data services market is dynamic in nature and new services are continuously introduced as well as new protocols that support them. Even the presumably simple task of identifying a user originating a data transaction, such as sending an e-mail or browsing the Internet, is complicated. Interception of data transactions requires interfacing with many network elements concurrently, each providing partial information on the same transaction.

The MIND-iPhonEX lawful interception solution

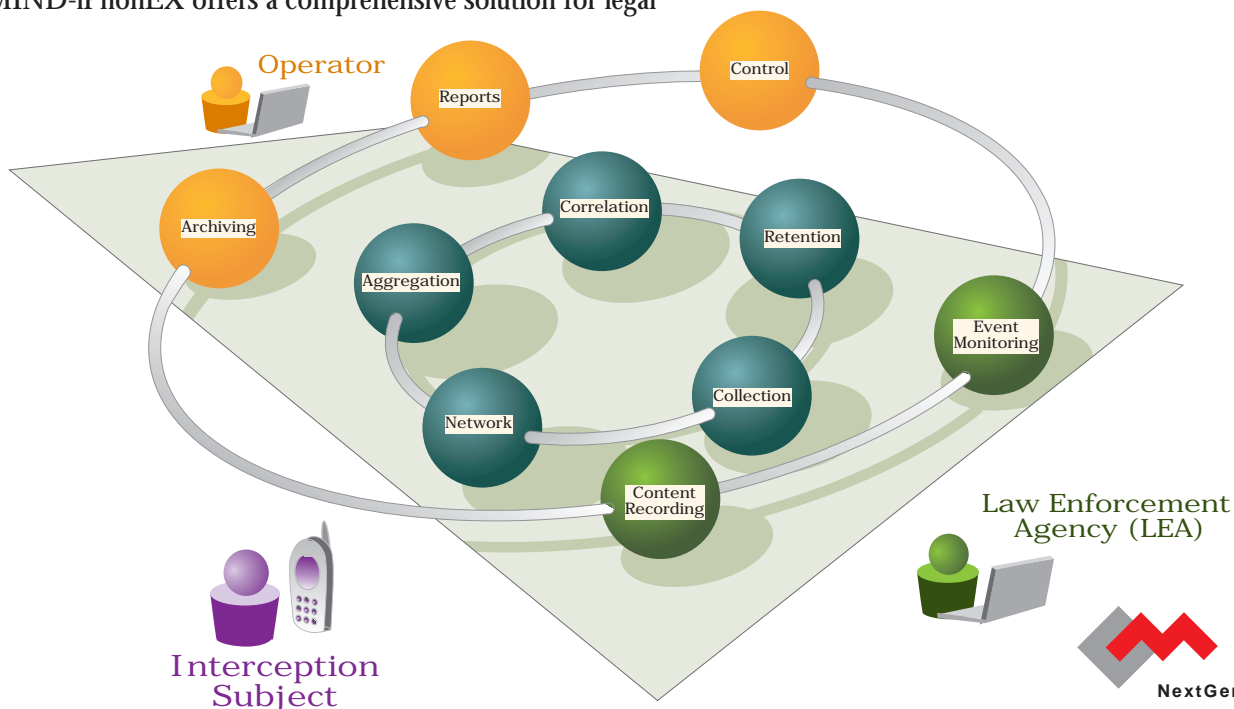
MIND-iPhonEX offers a comprehensive solution for legal

interception of data traffic, suitable for all types of communication service providers as well as enterprises. The solution includes powerful collection, correlation and retention capabilities, including comprehensive management of the data collected. The interception part includes "wire-tapping" of the intercepted subject, duplicating and recording of all its traffic. The system provides the LEA (Law Enforcement Agency) with Interception Related Information (IRI) and Communication Content (CC) records (according to ETSI standards and terminology).

Collection, correlation and aggregation

MIND-iPhonEX's flexible mediation and collection engine (MIND-iPhonEX RTS) is able to collect data from virtually any network element in real time. The solution enables extensive collection of all the events occurring on the operator's data network, including Internet browsing (HTTP), e-mail (SMTP, POP3), messaging (SMS, MMS, UM), content downloading and others.

The powerful MIND-iPhonEX Intelligent Processing Engine



(IPE), which serves as the correlation and aggregation engine, creates a single normalized Usage Detailed Record (UDR) from various raw data events that are related to the same data session or transaction. Multiple correlation tasks run concurrently, each taking care of a specific protocol, data service or content type. The definition of each correlation task is done using an intuitive GUI, thus minimizing the effort of updating existing correlation tasks or creating new ones.

Monitoring, interception and redirection

Extensive monitoring and reporting tools enable the operator and the lawful authority to view in real time all the traffic produced by the subscribers under surveillance. The data related to a specific protocol or session is clearly displayed with the relevant data items for that protocol. For example, HTTP data includes the URL, while e-mail data includes the Sender and Recipients. A drill-down option enables viewing detailed data items of each protocol.

Barring, redirection and full tapping by replication of data-sessions traffic of a specific suspect, a group or a sub-network is enabled via integration with third party networking solutions. The traffic can be blocked, redirected or completely replicated (CC records) toward the LEA monitoring and recording equipment (LEMF), without any disruption to the service, so that the suspect remains totally unaware of the tapping.

Storing, archiving and restoring

All data on the IP communication traffic (IRI records) is kept for a predefined period in an online database, for easy viewing and retrieval of up-to-date information. Different queries and reports can be produced online. Furthermore, the data can be exported to a

data warehouse, where tailored queries and reports can be produced on demand or periodically. Historical data is automatically archived and stored on media such as tapes or CD-ROMs for long periods. Upon request, this data is easily restored, based on specific suspicious-event characteristics or on a time range.

Data privacy and overall security

Protecting subscribers' data privacy is one of the main capabilities of MIND's solution, enforcing various methods of access control, security and privacy protection. Security measures are integrated into the solution. Privacy rules require that the information collected from the network be available only to the authorized personnel, either of the service provider or the LEA.

All communication between MIND-iPhonEX, the network elements and back-office systems is secure. The networks where the different MIND-iPhonEX solution modules reside are private networks, and all the interfaces between the different modules are encrypted.

Comprehensive, scalable solution

MIND-iPhonEX offers a comprehensive solution for lawful retention and interception of data traffic, suitable for all types of communication service providers. The solution enables extensive collection of all events occurring on the operator's data network, correlation and aggregation of raw data events into a single UDR. MIND-iPhonEX's adaptive nature simplifies the customization process required for making the system compliant with local legislation and standards. Scalability, robustness and flexibility characterize all components of the solution, making it the solution of choice for operators and service providers of any scale.

Headquarters
MIND CTI Ltd.
P.O.B. 144
Yoqneam, 20692
Israel
Tel: +972-4-993-6666
Fax: +972-4-993-7776
E-mail: sales@mindcti.com

U.S. Office
MIND CTI Inc.
777 Terrace Ave.
Hasbrouck Heights,
New Jersey 07604
Tel: +1-201-288-3900
Fax: +1-201-288-4590
E-mail: sales@mindcti.com

U.S. Office
Sentori Inc.
12211 Plum Orchard Drive,
Suite 320
Silver Spring, MD 20904, USA
Ph: +1-301-572-1100
Fax: +1-301-586-8680
Toll Free (US): 1-877-736-8674-

Romania Office
MIND Software Srl.
Sos. Pacurari Nr. 127
Iasi 6600
Romania
Tel: +40-232-258177
Fax: +40-232-244500
E-mail: sales@mindcti.com



For information about MIND and its products visit the company Web site:

www.mindcti.com

THE PUBLICATION IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO: THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. THE PUBLICATION COULD INCLUDE TECHNICAL INACCURACIES OR TYPOGRAPHICAL ERRORS. CHANGES ARE PERIODICALLY ADDED TO THE INFORMATION HEREIN; THESE CHANGES WILL BE INCORPORATED IN NEW EDITIONS OF THE PUBLICATION. MIND CTI LTD. MAY MAKE IMPROVEMENTS AND/OR CHANGES IN THE PRODUCT(S) AND/OR THE PROGRAM(S) DESCRIBED IN THIS PUBLICATION AT ANY TIME.

THIS DOCUMENT IS CONFIDENTIAL AND PROPRIETARY, IS THE EXCLUSIVE PROPERTY OF MIND CTI LTD. AND HAS BEEN PROVIDED FOR REVIEW BY THE RECIPIENT ONLY, AND MAY NOT BE DISCLOSED TO ANY THIRD PARTY. INFORMATION IN THIS DOCUMENT MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WHATSOEVER ELECTRONICALLY OR MECHANICALLY FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN PERMISSION OF MIND CTI LTD

02-0106-04