3G Video Call Lawful Interception

Smart Intercept

About the Product

Bay Talkitec's "Smart Intercept" is a robust and sophisticated 3G video call interception application designed for the requirements of Law Enforcement Agencies (LEA). It allows real-time interception and the LEAs can monitor the calls using the 3G mobile handset, Soft phone or IP-Video Phone. It also enables recording of video and voice communication which can be played later by the LEA. "Smart Intercept" is a complete system which integrates communication interception, logging and analysis of both voice and 3G video calls. It also provides a powerful 'Call Detail Record' (CDR) reporting tool for receiving data from the service provider of the intercepted calls. It also facilitates data logging/interception in the form of detailed call information reports, making "Smart Intercept" a powerful multi-dimensional software.

Key Benefits

- Real-time interception through 3G mobile handset
- Interception can be done using soft phone in case LEA is out of 3G coverage
- Interception can be viewed in a single layout screen of both the parties
- SMS alert whenever there is target number party interaction

Monitoring Methods

- Deskt
- IRI Content
- SMS

  Activity has been detected on Mobile No: 9689433285 To intercept Dial L I Service No
- Offline IRI Content
- Soft phone
- 3G Phone

LI Platform

Bay Talkitec's **Smart Intercept** is designed to meet challenges of real-time interception of 3G circuit switched video calls. Our platform makes easy deployment to service providers, while allowing **Law Enforcement Agency (LEA)** to carry out real-time interception, data collection and analysis. The systems client-server architecture comprises of two functional entities interception server and LEA server. Interception service does the real-time line interception of 3G calls and collects the Intercept Related Information (IRI) through the HI2 interface and does the mediation which will be extended to the LEA.

LI Server will be connected to the LI Gateway (LIG) through Ss7 and E1 connections. LI server will receive the video content through E1 connection and signaling information through SS7 connection. The LI Server will also get connected to the LIG through TCP/IP connection (HI2 interface) for collecting the Intercept Related Information (IRI).

LEA Server can be hosted at service provider location or at LEA agency through a secured IP connection. The lawful enforcement agency will be authenticated through secured connection and they can provision, monitor, and view the recorded conversations of the target numbers.

Diagram

LEA Agency — **Operator**

LEA — LEA — Intercept Request — Administration Function — Intercept Request — 3GMS — Network Related Data — 3GMS node

IRI — IRI

CC — Delivery Function — CC

Mobile Target

LEA: Law Enforcement Agency
CC : Content of Communication
IRI : Intercept Related Information

Features

- Compliance with ETSI / 3GPP
- GUI based target management
- Real-time monitoring - No latency
- Real-time monitoring using 3G mobile, Soft phone, Desktop/laptop
- Remote LEA Management
- Audit Log
- 100% recording (Voice & Video)

- Single layout for A&B parties recording
- Setting for target tapping criteria
- Target group wise recording & monitoring
- SMS Alert
- High Availability
- Database backup & restore
- Search facilities with filter

Bay Talkitec
Innovating Convergence