



LAWFUL INTERCEPTION

iLIS



*Convergent solution for Lawful Interception System, enabling Communications Service Providers seamlessly manage lawful interception process and data transfer for virtually any type of communications network*

Criminals with the help of advancements in communications technology are getting increasingly sophisticated in planning and executing crimes. Law Enforcement Agencies (LEAs) need to be one step ahead in tackling crime, by partnering with Communications Service Providers (CSPs). This necessitates the Communication Service providers to have an efficient and convergent solution for Lawful Interception System.

Xalted iLIS is a comprehensive and fully compliant Lawful Interception System, which can be implemented at Communications Service Provider's premises or nationwide by specific country, if they desire so.

iLIS is responsible for intercepting, recording and transparently passing the Communication Content (CC) and Call related or Intercept Related Information (CRI/IRI) for a specific target's circuit switched traffic and packet switched traffic to the Lawful Interception and Monitoring System (LIM) at the concerned LEA's end in real-time. iLIS transfers the intercepted CC and IRI to LEAs in standard ETSI/3GPP format over secure network. It also provides a data retention facility for further recording and replay. iLIS is built with a modular architecture which enables integration with future technologies and addresses scalability needs.

## Benefits

### ► **Compliant to Standards**

- Xalted iLIS is fully compliant with the prevalent Lawful Interception Standards process such as 3GPP, ETSI, CALEA for provisioning and handover, thus removing risks of unauthorized access, interceptions and legal noncompliance, which is a major problem for operators.

### ► **Secure Automated Process of Provisioning and Real-time Intercepted Traffic Handover**

- iLIS minimizes the manual intervention thus reducing errors and improving efficiency by automating process of target provisioning on network elements and handover of intercepted IRI and CC to LEAs in real-time.

### ► **Ensures Data Integrity with Complete Audit Trail Control**

- iLIS provides complete audit trail control of target provisioning and interception history in a simplified user interface. This ensures data integrity and reduces possibility of system abuse.

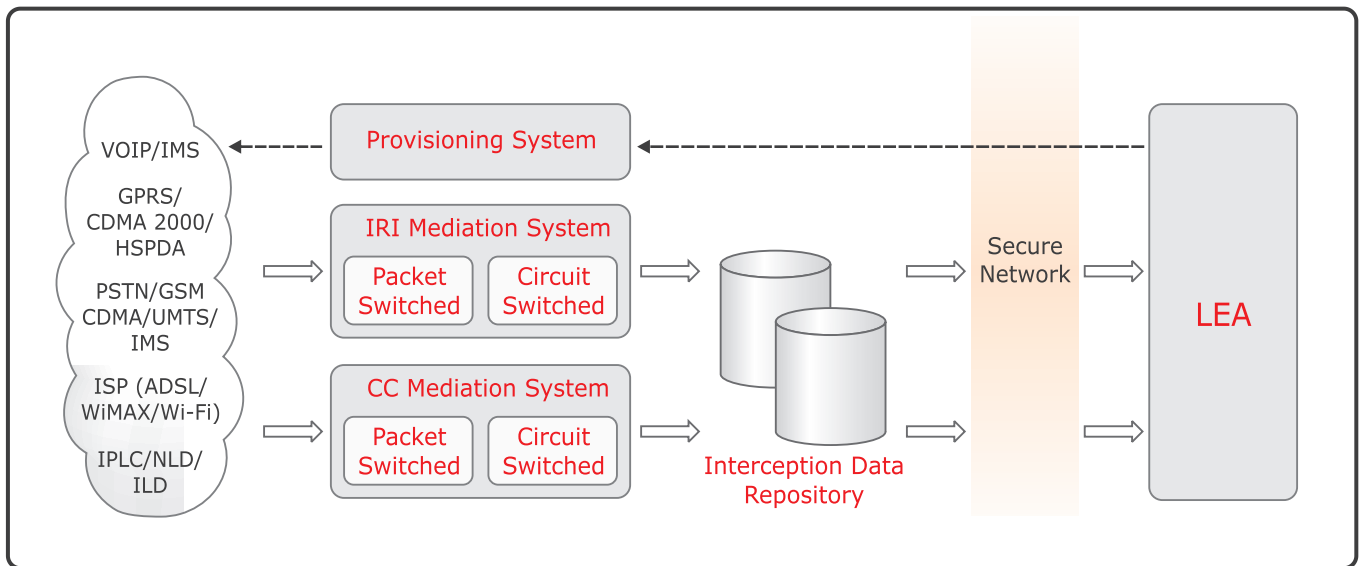
### ► **Convergent Solution for Multitude of Technologies**

- iLIS provides convergent solution for multitude of technologies such as voice calls, video calls, SMS, MMS, FAX, web browsing etc. It also supports NGN, NT, PSTN, CDMA and Broadband networks. This provides uniform user experience by removing underlying complexities.

### ► **Complete Visibility of Interception Process**

- iLIS provides complete visibility of ongoing interceptions, past interceptions and interception targets by providing relevant information in simple intuitive UI. of intercepted data provides LEAs with crucial tactical and strategic clues, which can lead to faster and efficient decision making.





## Components

### Provisioning System

Provisions the targets in the internal interface function (IIF) of relevant network elements via a web based user interface or from the integrated Lawful Interception Monitoring (LIM) system.

It also provides a workflow management with role based access security, reporting and auditing functionalities.

### IRI Mediation System

Captures the Intercept Related Information (IRI) from network elements, converts it to standard format and sends it to LIM system over IP connection and also stores in the data repository for future use. IRI mediation system has internally separate components for Packet Switched networks and Circuit Switched networks.

### CC Mediation System

Captures the Content of Call (CC) files from network elements, converts it to the standard format and sends it to LIM system over TDM or IP connection and also stores the files in data repository for future use. CC mediation system has internally separate components for Packet Switched networks and Circuit Switched networks.

### Intercepted Traffic Repository

Data retention component which stores the intercepted traffic for future access, transfer to LEAs and also for playback.

## Features:

- ▶ Supports interception of all major types of communication traffic on mobile/landline/ISP network for both circuit switched and packet switched traffic-voice, data, FAX, SMS, MMS, Emails, Web browsing sessions, 3G video calls, FTP sessions, VOIP chat etc.
- ▶ Supports both IIF based network vendor dependent and non-IIF based network vendor independent interception approaches for mobile/landline.
- ▶ Supports both probe based and non-probe based(OSINT) interception approaches for ISP network.
- ▶ Complies to all major ETSI/3GPP/CALEA/SORM Standards for handover of intercepted data.
- ▶ Provides secure centralized provisioning and administration system while supporting multiple LEAs.
- ▶ Supports access to targets in real-time.
- ▶ Supports Stealth Mode giving no hint to the target subscriber regarding the interception or causing any disruption to the services.
- ▶ Provides data retention facility to store intercepted data.



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