



Pen-Link and LINCOLN Software

Over the past 20 years, Pen-Link Ltd. has developed two core software products for telecommunications intelligence collection, recording, monitoring, analysis, and reporting: Pen-Link 8 and LINCOLN 2. Together, these two software technologies provide a complete system solution for any electronic surveillance (wire line, wireless, satellite or VoIP).

Pen-Link Version 8 software provides all intelligence data bases, reporting, GIS Mapping, and analysis graphics. It is the standard for nearly all law enforcement agencies in the United States and is experiencing wide-spread adoption internationally.

The LINCOLN 2 System software consists of a "collection server" that manages and distributes call content (CDC/HI2) and call data (CCC/HI3). It was developed in the mid-1990's to function as the front-end, real-time collection server for all advanced telecommunications that comply with U.S. Communication Assistance to Law Enforcement Agencies (CALEA) and the European Telecommunications Standards Institute (ETSI) Pen-Link, Ltd. has also created interfaces proprietary standards such as the British GISH and other individual, country-based requirements.

When Pen-Link 8 and LINCOLN are combined, an authorized government agency has the capability to seamlessly access integrated call data and call content from the telecommunication service provider interception delivery system. This makes it possible for the authorized government's collection system to receive all intelligence related to a call or session event in real-time.

Pen-Link and LINCOLN System Summary

- Pen-Link 8 provides all intelligence databases in a single system including reporting, GIS Mapping, and analysis graphics including Link Charts, Timelines, and Statistical Charting.
- Regardless of whether an intercept call is circuit switched or packet switched, all call data and content is combined in a simple to use call record for the user.
- LINCOLN interfaces seamlessly with the Pen-link software where it creates one complete call record containing both the call data and the recorded call content.

- The System can be contained within the government's facility over a local area network (LAN) connection; or at any remote location that can be connected over a wide area network (WAN) connection.
- Has the capacity to handle the call data collection for several hundred phones over one data network connection decreasing costs and maximizing the use of the data circuit.
- Can instantly map a call location based on the call data provided using the GIS Mapping feature.
- Can be applied in a call data-only configuration, or expanded to provide both call data intelligence and digital recording of call content (voice and packet data).
- Can intercept VoIP and 3G communications including Push-to-Talk, Ready Link, instant messaging, chat, telephone images/video, instant messaging, e-mails, and web browsing.
- LINCOLN is built to collect data from ISPs that provide VoIP and Voice Over Packet services.
- Uses multi-monitoring which allows one agent to track hundreds of wiretaps at one time and set automated call priorities
- Can be built as an all-in-one portable system, or utilize rack components to set up a large central call data and call content collection center.
- Any user with appropriate authorization can perform any function of the Lincoln System from any workstation which eliminates the costly and wasteful approach of having to dedicate stations to specific tasks
- Uses PC computer technology and the Windows operating system which is less expensive and easier to manage than intercept systems using UNIX-based software and servers which are more expensive and difficult to administer
- Complies with international standards for wireless and packet data communication intercepts.
- Backed by a company providing software for telecommunication surveillance systems in the United States since 1986.

Pen-Link and LINCOLN are used extensively throughout the world for drug enforcement, anti-terrorism, kidnapping, corruption, human trafficking, gambling, arms trafficking, theft, and murder cases.