



ADRIS:

The AQSACOM Data Retention Intelligence System

*Leverage AQSACOM's solid expertise in mediation technology
to address data retention requirements*

National legislation, with the aim of fighting crime and terrorism, continues to press telecommunications carriers and Internet service providers worldwide to retain communications data. The European Union has already signed a data retention directive that will be translated into national law¹; similar laws are under consideration elsewhere. Nevertheless, considerable uncertainty persists as to:

- Exactly what events should trigger data retention records.
- Exactly what communications data will be retained.
- The format in which the data will be provided to the requesting law enforcement agency.
- How long the data will be stored and according to what rules and conditions.
- How the data will be collected and stored.
- The manner in which the retained data will be accessed and delivered to law enforcement.
- Best practices to assure secure handling of the retained data.

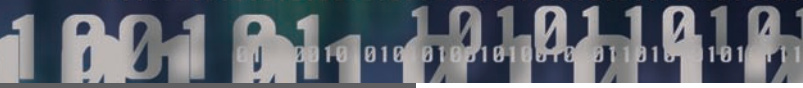
Thanks to AQSACOM's award winning and well tested approaches to the lawful interception of communications traffic in multi-service environments, ADRIS™ (AQSACOM Data Retention Intelligence System) leverages AQSACOM's proven experience to solve the data retention challenges of today and of the future.

ADRIS delivers:

- **A future-proof approach** to data retention that adapts to evolutions in the regulatory and communications services environments. ADRIS will support the newly emerging data retention storage and delivery formats.
- **True multiservice support.** Thanks to the built-in network mediation capabilities of ADRIS, one ADRIS system supports the data retention needs for a variety of services, including wireline or wireless voice, voice-over-IP, and wireline or wireless IP services (email, messaging, web, P2P, etc.)
- **Full protection of all retained data** through a comprehensive data security scheme. AQSACOM applies the same rigorous security measures in the handling of retained data as it does in its lawful interception systems. ADRIS assures protection against network intrusion and unauthorized users through multiple levels of authentication. The system can also apply data encryption and authentication to both the storage and transport of retained data.
- **Scalability.** ADRIS' modular architecture, which is derived from AQSACOM's proven lawful interception technology, supports a scalable data retention solution that grows with the service provider's traffic flow and breadth of services.
- **Long term viability.** AQSACOM is now establishing partnerships with recognized vendors of storage systems and equipment. Such partnerships will ensure comprehensive, on-going support of ADRIS-based systems over the long term.

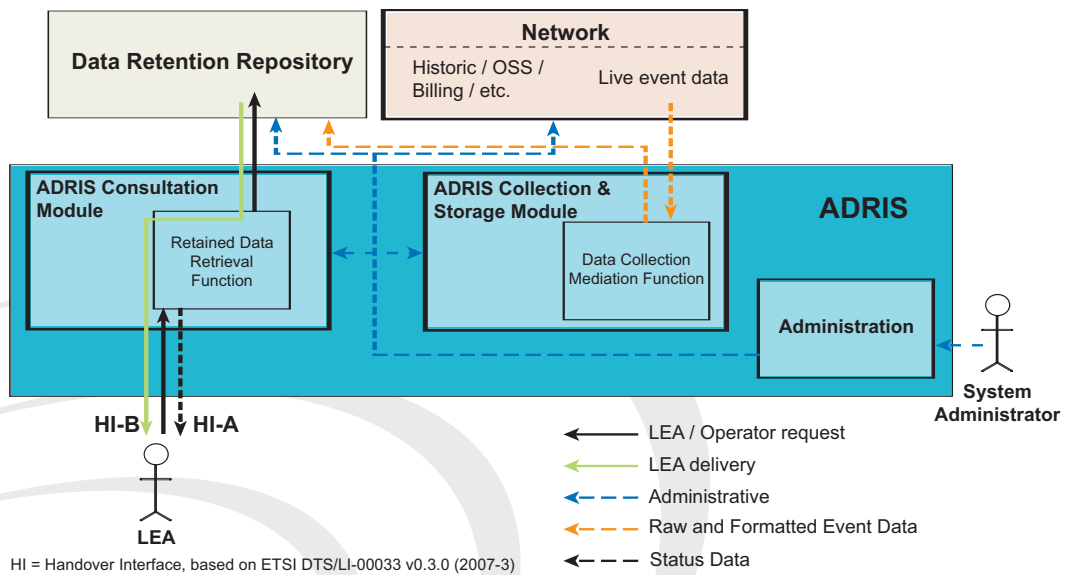


¹ The Data Retention 2006/24/EC Directive of the European Parliament and of the Council of 15 March 2006



Technical Description of ADRIS

Three principal modules make up ADRIS (see figure below). The **ADRIS Collection & Storage Module** is responsible for the collection of retained data. This module can import transactional data from legacy platforms (e.g., billing systems) for non real-time Data Retention; however, a more dynamic, future-proof application of this module is in the real-time collection of live event data from switches, routers, probes, applications servers, and other network components. Once collected, the data are transformed on-the-fly (for real-time Data Retention) into an internal representation by the *Data Collection Mediation Function*, then sent to the *Data Retention Repository* (a large scale storage system). The **ADRIS Consultation Module** supports the querying of retained data that are stored in the Repository. This module contains the *Retained Data Retrieval Function*, which supports the Handover Interface (HI) with Law Enforcement Agencies to ensure a standards-compliant and secure means of requesting and obtaining the retained data. The **Administration Module** provisions ADRIS' communications with the required Law Enforcement Agencies. This module also instructs the Data Collection Mediation Function and network elements on what data are to be collected, while monitoring the data collection and delivery operations.



Founded in 1994, AQSACOM develops and markets real-time Lawful Interception, Mobility Tracking, Data Retention, and Surveillance solutions. With its core business focused on lawful interception and related applications since the company's beginning, AQSACOM provides end-to-end turnkey solutions for fulfilling lawful interception requirements anywhere in the world, especially over highly heterogeneous networking and services environments. AQSACOM's diversified customer portfolio includes clients from more than 30 countries, covering geographical areas as diverse as Central and Eastern Europe, Asia-Pacific, North America, Africa and the Middle-East.



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