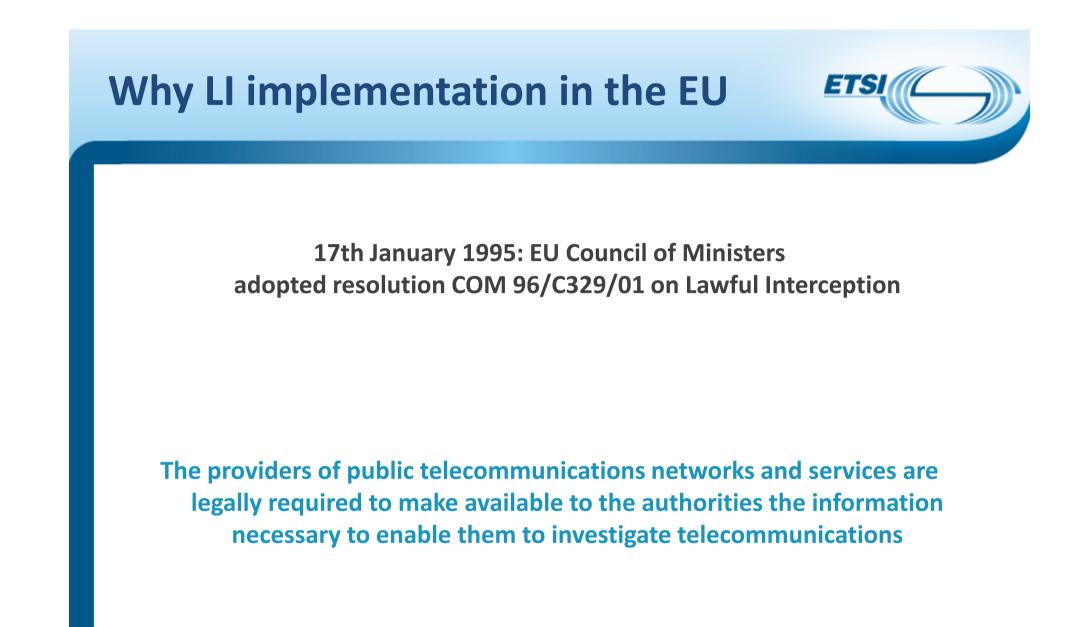


#### World Class Standards

ETSI TC LI STANDARDIZATION ACTIVITIES

ETSI Presentation to ISO SC27, April 26th 2013



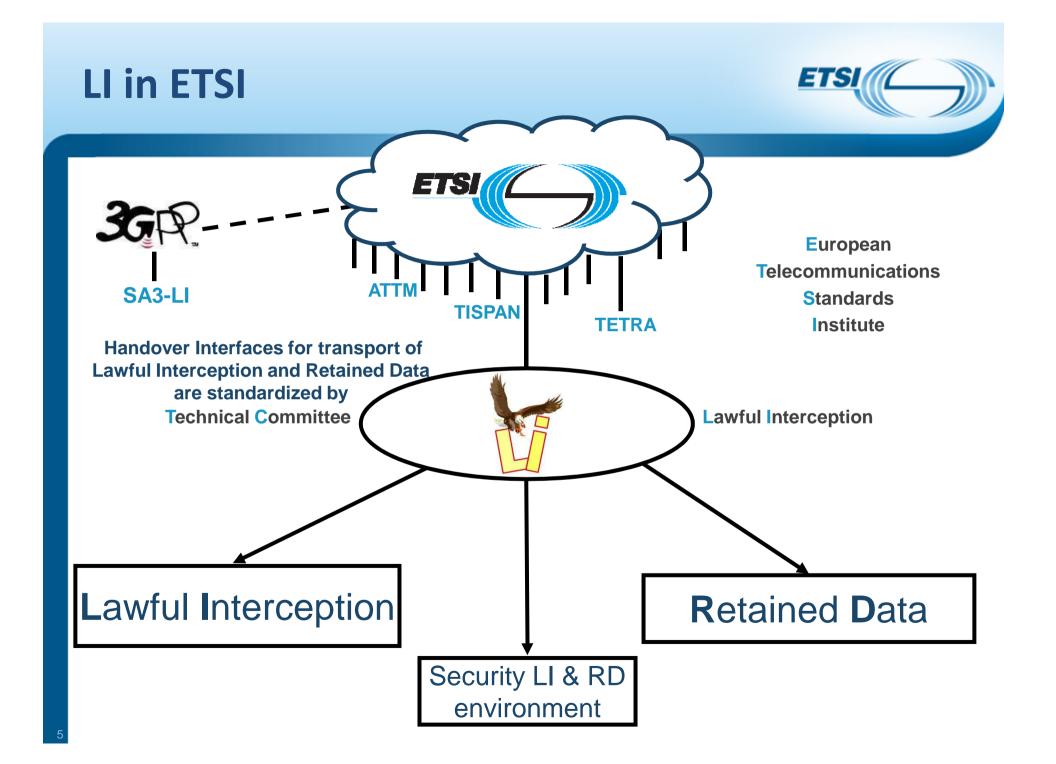




15th of March 2006: the European Parliament and the Council of the European Union adopted Directive 2006/24/EC on Data Retention

Data generated or processed in connection with the provision of publicly available electronic communications services or of public communications networks need to be retained

# ETS Standards activities for LI and DR Operation of intercepted communication in transit LI happens in real time No data is retained in the network Oblivery of records relating to communications activity (i.e. signalling) TC LI defines the Handover Interface from Operator to Authorised Organisation (typically a LEA) Data formats Oata protocol



### **Deliverables of ETSI TC LI**

#### ETSI/Technical Committee Lawful Interception (TC LI)

ETS

• on Lawful Interception:

TR 101 943	TR 102 503	TR 102 053
TS 101 331	ES 201 158	
TS 101 671	ES 201 671	
TR 102 528	TR 102 519	TR 103 690
TS 102 232-1	TS 102 232-2	TS 102 232-3
TS 102 232-4	TS 102 232-5	TS 102 232-6
TS 102 232-7		

- on Data Retention: TS 102 656 TS 102 657 TR 103 657
- Security Report on LI and DR: TR 102 661

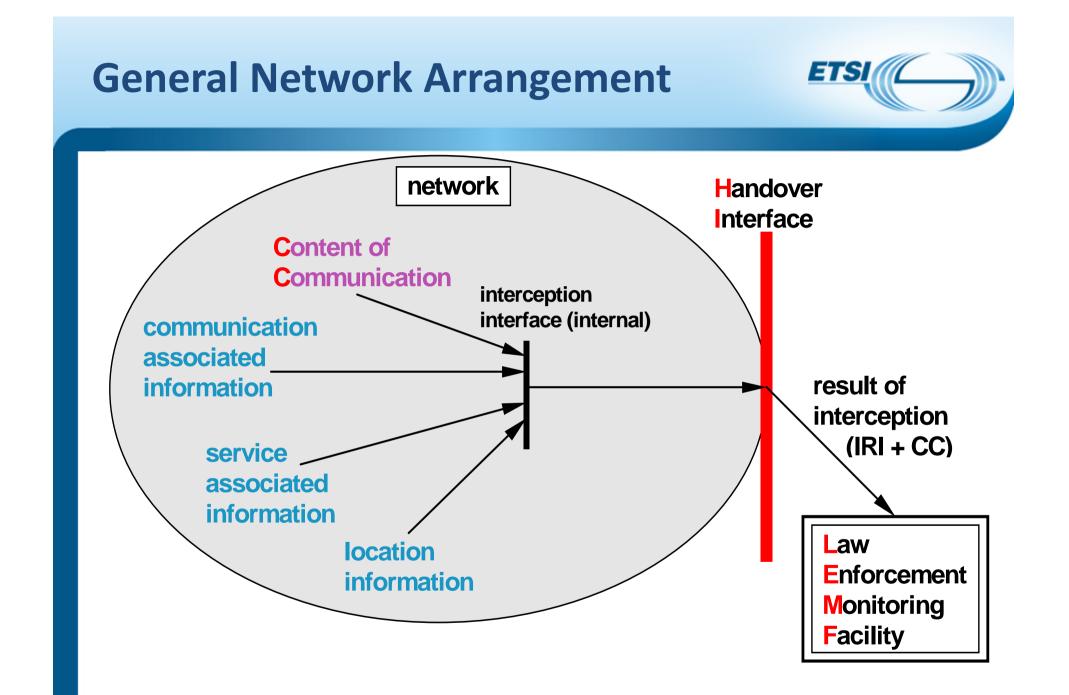
#### **Types of LI data**

Intercept Related Information (IRI)

• collection of information or data associated with telecommunication services involving the target identity:

ETS

- communication associated information or data (including unsuccessful communication attempts)
- service associated information or data (e.g. service profile management by subscriber)
- Iocation information
- Content of Communication (CC)
  - information exchanged between two or more users of a telecommunications service



### LI Handover Interface specification

ETSI TS 101 671 (= old ETSI ES 201 671)
Handover Interface for the Lawful Interception of Telecommunications
Traffic

ETS

- generic flow of information and procedures and information elements, applicable to any future telecommunication network or service
- circuit switched and packet data
- covered technologies
  - PSTN, ISDN, GSM, UMTS (CS), GPRS, TETRA
  - wire line NGN (including PSTN/ISDN emulation)
  - wire line IMS PSTN simulation

## **DR specifications in TC LI**

#### ETSI TS 102 656

**Requirements of LEAs for handling Retained Data** 

 guidance and requirements for the delivery and associated issues of retained data of telecommunications and subscribers

ETS

- set of requirements relating to handover interfaces for retained traffic and subscriber data
- requirements to support the implementation of Directive 2006/24/EC
- freedom for national regulations, procedures and processes

#### ETSI TS 102 657

Handover interface for the request and delivery of Retained Data

- handover requirements and handover specification for the data that is identified in EU Directive 2006/24/EC on Retained Data and in national legislations as defined in TS 102 656
- considers both the requesting of retained data and the delivery of the results
- defines an electronic interface (for the Request and for the Delivery)

### Modular approach for DR spec.



Framework for Retained Data Handover Interface					
Telephony services	Network Access services	Asynchronous message services	Synchronous Multi-media services		

e.g.

PSTN/ISDN GSM/UMTS-cs SMS/MMS	Internet GPRS	E-mail webmail	chat
21/12/11/11/12	UMTS-ps		

### TC LI latest and future technical work

#### Maintenance of LI and DR suites

- LI and DR Handover Interface specifications
  - Handover from provider to authority
- 7 parts: service-specific details for IP delivery
- Ongoing new work
  - Specification (TS) on Dynamic Triggering of LI function
  - Two reports (TRs) on LI/DR for Cloud Computing