

A vertical bar on the left side of the slide, divided into four colored segments: green, purple, yellow, and light blue. Each segment contains a circular icon: a globe, a globe, a globe, and a crescent moon respectively.

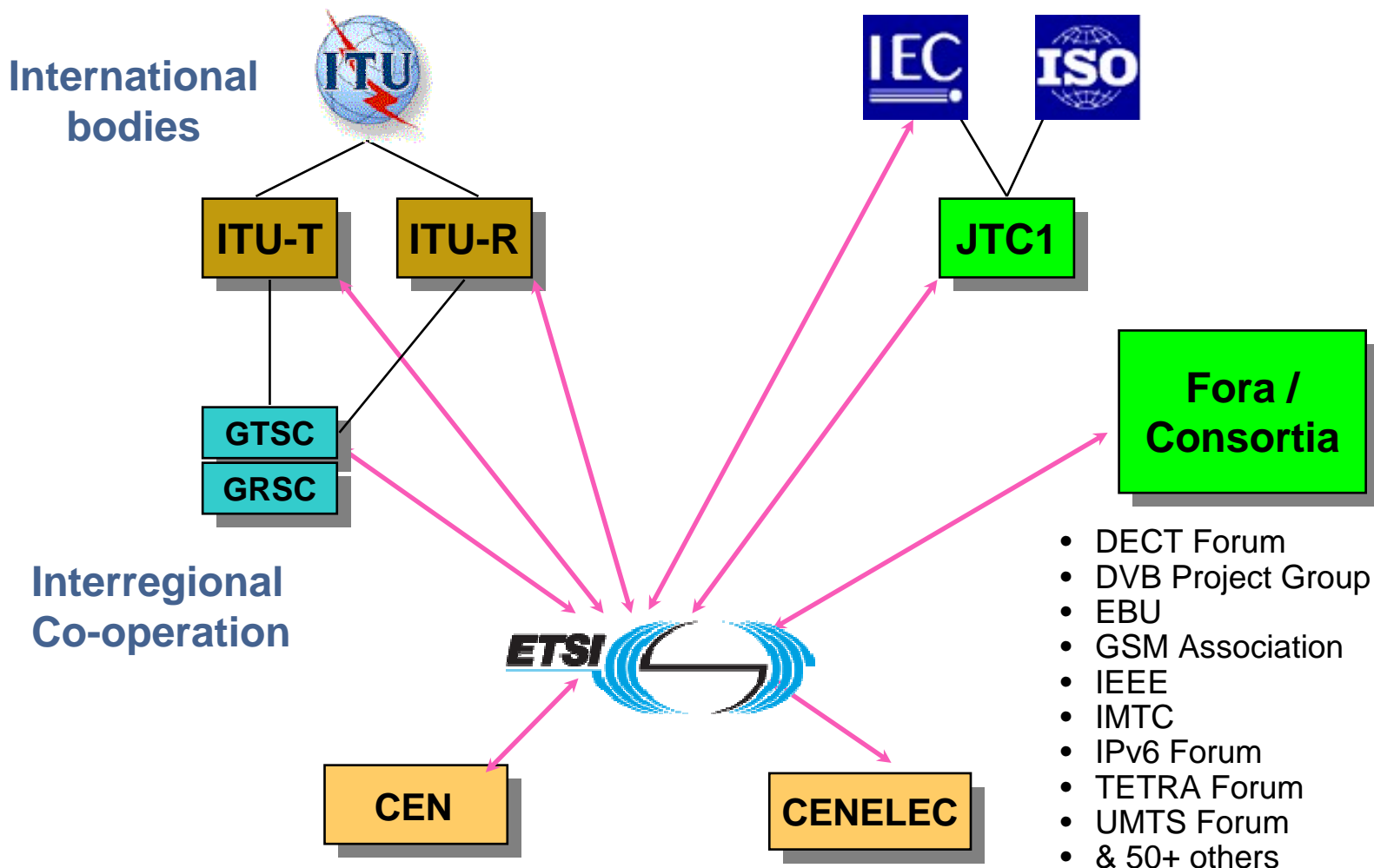
ETSI Security Standards

Workshop January 2006

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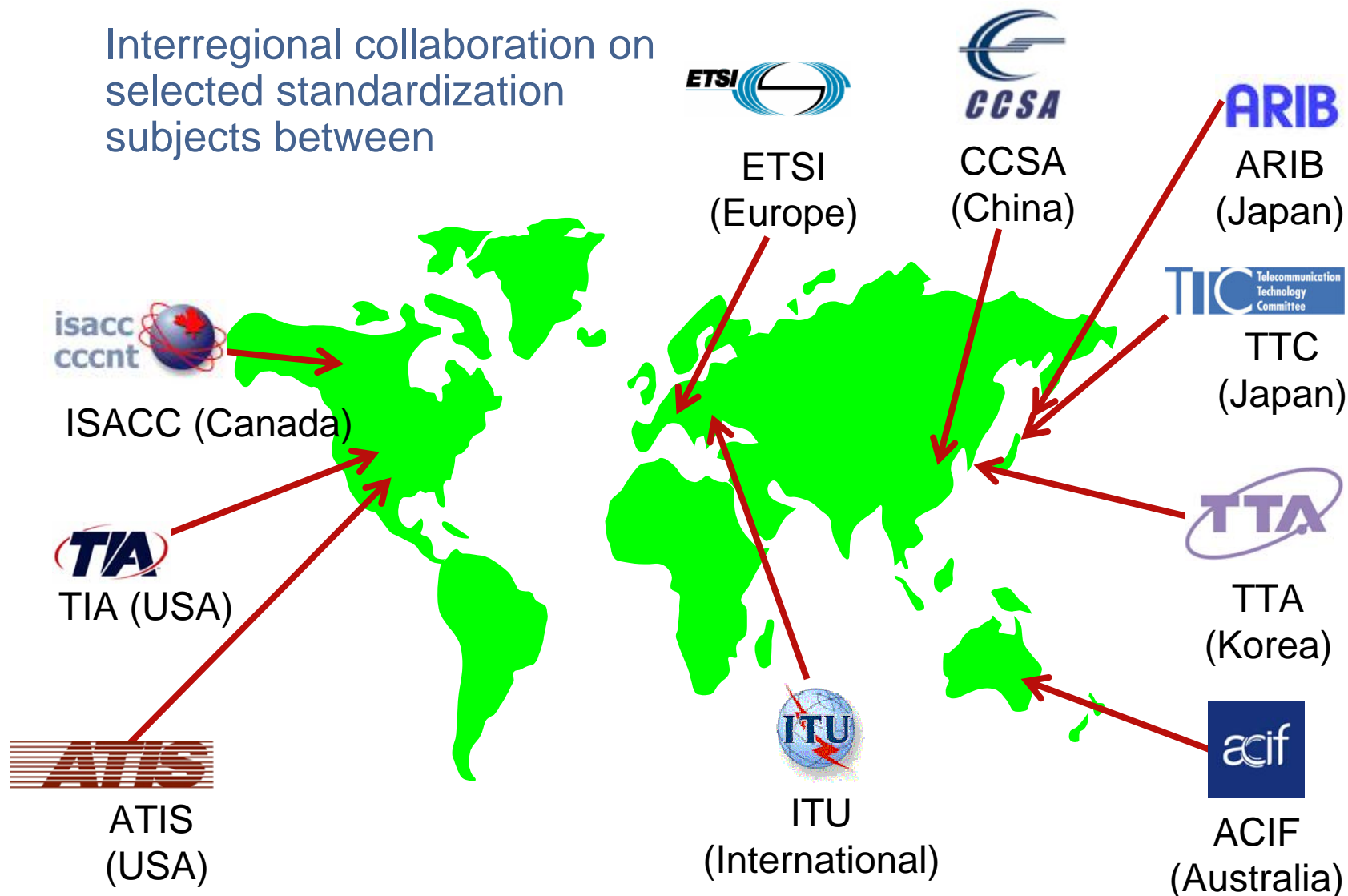
ETSI's relations with ITU, IEC & ISO and Standards Bodies



Global Standards Collaboration



Interregional collaboration on selected standardization subjects between



Some areas of relevant standardisation

- Lawful Interception
- Algorithms
- Electronic Signatures
- Smart Cards
- E-Authentication
- Emergency Telecoms
- Personal data protection
- Next Generation Networks (NGN TISPAN)

Lawful Interception (LI)

- ❑ Technical standards to facilitate LI
- ❑ Telecommunications, Internet and Mobile
- ❑ Help law enforcement combat crime
 - ❑ Supporting electronic commerce
- ❑ 2002 produced updated standard for handover.
 - ❑ Technology specific for 3G mobile, Multimedia IP, IP Cablecom

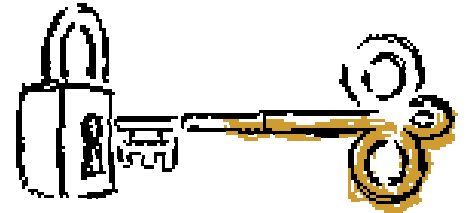


Algorithms and Electronic Signatures

- ❑ Algorithms for:
 - ❑ Mobile: 3G, DECT, GSM, TETRA
 - ❑ Authentication and encryption of traffic
 - ❑ Smart cards

- ❑ CEN and ETSI co-operating on the European Electronic Signature

- ❑ Goal to provide Europe with reliable electronic signatures



Smart cards and authentication

□ Smart cards

- Machine readable cards
- Access tokens in public transport
- Banking and payment
- Healthcare
- SCP - Smart Card Platform



□ E-authentication

- European and standards
- e-Authentication, e-Government
- Co-operate with worldwide standards



Public safety



Mobile Broadband for Emergency and Safety Applications

Formerly: Public Safety Partnership Project

- ❑ initiated by ETSI Project TETRA and by TIA and the Association of Public-Safety Communications Officials (APCO) under APCO's Project 34. [http://www. projectmesa.org](http://www.projectmesa.org)
- ❑ EMTEL Emergency Telecommunications
 - ❑ of citizens with authorities/organisations,
 - ❑ between authorities/organisations,
 - ❑ from authorities/organisations to the citizens,
 - ❑ amongst citizens.

ETSI TISPAN WG 7

- ❑ ETSI TC TISPAN standardizes the Next Generation Network (NGN) within the NGN-project (TISPAN = Telecommunication and Internet converged Services and Protocols for Advanced Networking)
- ❑ Working Group 7 is the NGN competence centre for security with a group of security experts
- ❑ WG 7 standardizes and supervises NGN security.

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ETSI

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ETSI's wireless work includes...

- ❑ Mobile
 - ❑ GSM, UMTS, Railway communications...
 - ❑ private/professional land mobile radio systems
- ❑ Cordless (DECT)
 - ❑ In the past, analogue cordless & paging
- ❑ Spectrum matters and electromagnetic compatibility
- ❑ Wireless Local Area Networks
- ❑ TETRA & other public safety systems
- ❑ Broadcast
- ❑ Satellite communications
- ❑ Short range devices RFID
- ❑ Aeronautical and marine radio
- ❑ Wireless medical devices
- ❑ Ultra wideband (UWB)



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