



# Welcome to the World of Standards



## **NIS – TAKING A HOLISTIC VIEW**

**IMCO Hearing 18 June 2013**

Presented by Mats Nilsson

- ETSI produces standards for ICT, including fixed, mobile, radio, converged, broadcast and internet technologies
- Recognised by EU and EFTA
- Standards implemented globally (mobile comms, broadcast, maritime, etc)
- ~750 Members worldwide
- ~30000 publications all freely available
- [www.etsi.org](http://www.etsi.org)



# Network security/cybersecurity, a core activity in ETSI



- Next Generation Networks (NGN)
- Mobile/Wireless Communications (GSM/UMTS, TETRA for Public Safety and Blue light radio, DECT for Cordless phones and data)
- Lawful Interception and Data Retention
- Electronic Signatures
- Smart Cards
- Machine-to-Machine (M2M)
- Methods for Testing and Specification (MTS)
- Emergency Communications / Public Safety
- RFID
- Intelligent Transport Systems
- Quantum Key Distribution (QKD)
- Identity and access management for Networks and Services (INS)
- Information Security Indicators (ISI)
- Security Algorithms development adopted in many standards
- 3GPP[i], The Third Generation Partnership Programme, which includes GSM, 3G and LTE mobile radio standards.
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[\[i\]http://www.3gpp.org](http://www.3gpp.org)





# Cyber Security Coordination Group (CSCG)

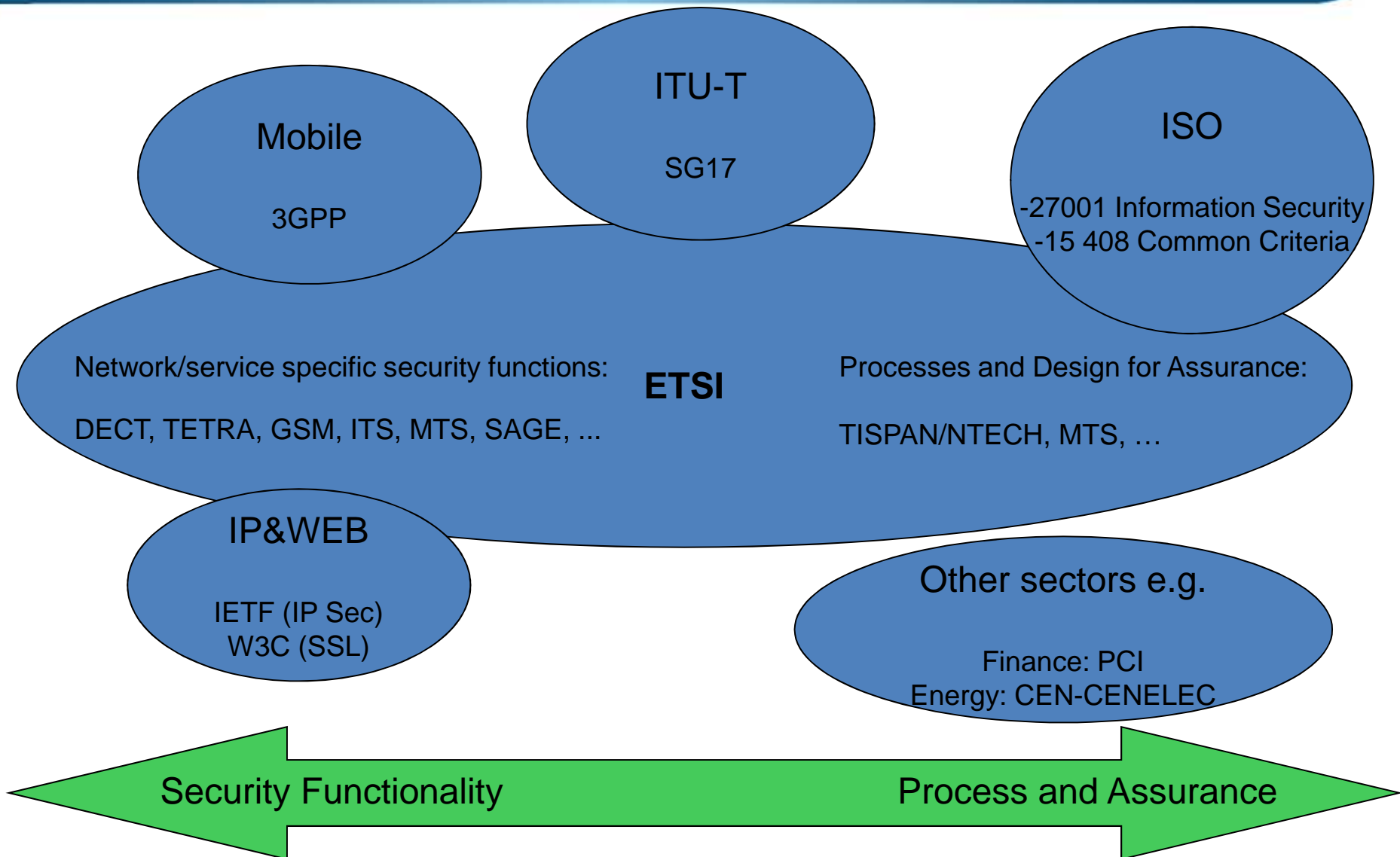
## ETSI/CEN/CLC



- Chaired by Dr Christian Ehler, MEP
- High focus
  - Energy and other Critical Infrastructures
  - Cloud security – Paradigm shift
- Also looks at:
  - Transport systems, Medical data and instruments
  - Mobile devices, M2M, Secure RFID, eID, PKI
  - LI data exchange and digital evidence, Forensics



# Cybersecurity Standardization Landscape, A mesh of partners



# ETSI views on Cybersecurity and the NIS Directive



1. ETSI supports the fact that NIS is considered a key strategic issue
2. Supports the use of baseline security standards in Products and Services
3. Where possible these should draw upon existing standards both regional and International
4. European Cybersecurity and NIS standards building on the above should be developed
5. ETSI recommends the use of secure development methodologies, such as the use of its TVRA, a Threat, Vulnerability and Risk Assessment Tool
6. ETSI emphasizes the importance of having a method of certification of products and services so that the security may be of an adequate and sufficient level



## ETSI Security White Paper

- Achievements and current work
- List of all security publications
- 5<sup>th</sup> Edition published January 2013
- Quick reference for any work within the Cybersecurity area
- [www.etsi.org/securitywhitepaper](http://www.etsi.org/securitywhitepaper)





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**THANK YOU!**  
**QUESTIONS?**

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