



World Class Standards

Bridging the gap

between research and standardisation

New initiatives at ETSI

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 - between research and standardisation
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Standards

- Lower development & production costs
- Give improved product confidence and Interop
- Allow access to new markets
- Increase competition - good for the customer
- Encourage innovative cooperation
- Turn good ideas in to commercial success



Mind the gap

- ❑ **ICT markets are shaped by standards**
 - **de facto, industry, fora, SDOs**
- ❑ **European strength in collaborative R&D**
- ❑ **European R&D in ICT must lead to standards activity**
 - **Developing new products, new services, new markets**
 - **Driving, not disseminating**
- ❑ **The gap between research projects and standardisation**
 - **Standardisation can take time**
 - **Funding shortfall**
 - **Different objectives between R&D project and standards committee**
 - **Population differences**
 - **Too much choice?**
- ❑ **Input is not enough – longer term participation is required**

COPRAS guidelines

- ❑ FP6 IST project between CEN, CENELEC, ETSI, W3C, The Open Group
- ❑ Produced “Standardization Guidelines for IST research projects interfacing with ICT standards organizations”
 - <http://www.w3.org/2004/copras/docu/generic-guidelines.pdf>
- ❑ COPRAS raised some issues for projects:
 - What to standardise?
 - Choosing the right standards bodies
 - Getting the timing right
 - Funding – for membership, travel and time
 - Which partner(s) participate
 - IPR ownership, or who can contribute what?
- ❑ Now is the time to address these for FP7
 - Plan for standardisation activities

Issues for standards bodies

- ❑ SDOs have responsibility toward R&D activities
- ❑ Reduce barriers to input from R&D projects
 - Membership cost
 - Participation cost
 - Access to information
 - Guidance and help in navigating an SDO
- ❑ Incubator or start-up groups for new topics
- ❑ Improve visibility of R&D project impact on standards
 - Recognition for submissions
 - Recognition for retained results
- ❑ Maintain dialogue between SDOs and R&D community



World Class Standards

ETSI – a global standards body



- ETSI was established 1988 as a European standardisation body and retains European responsibilities.
- ETSI's Members are global players & standards are adopted worldwide
- Over 20% of ETSI's ~700 members have no established operations in Europe
- Many of the other 80% are headquartered outside Europe
- Global success stories like GSM, 3G, DECT, DVB, TETRA ...

What has ETSI done?

- ❑ **Creation of 'New Initiatives' team in Secretariat**
 - Your gateway to ETSI
 - Help on creating an ISG , finding existing TBs, founding a new TB
- ❑ **Incubator or pre-standardisation groups**
 - **Industry Specification Group**
- ❑ **Workshops and events with R&D community**
 - **Hosting at ETSI, and attending, listening**
- ❑ **Reduced barriers to access and participation**
 - **Reduced membership fees and easier access**
 - For Universities & Public Research Bodies
 - For SMEs
 - **Electronic participation**
 - **Standards available for free on the internet**
 - **Complete access with single username/password**
- ❑ **Partner in selected R&D projects**

ETSI's 'surround' services

Centre for Testing & Interoperability

- Test specifications
- Protocols
- Methodology
- Plugtests™



Fora Hosting



Industry Specification Groups

New in 2007

Industry Specification Group (ISG)

a Consortium under the ETSI umbrella

□ ISG mechanism

- **Can specifically address the needs of a forum or consortium**
- **Ideal for Pre-Standardization**
 - Bringing research results into Standards
 - ISG can evolve into a full ETSI Technical Body
- **Is fast and easy to set up**
 - Minimum 4 ETSI members necessary, approved by Director General
- **Flexible and adaptive**
 - An ISG has its own operating rules (including voting rules)
 - ISGs use the ETSI IPR policy
- **The ETSI Secretariat will provide basic support free of charge**
- **Specifications from an ISG are official ETSI deliverables**
 - Permanently in ETSI publications catalogue

Centre for Testing and Interoperability

- ❑ **Conformance test specifications for UMTS, IPv6, HiperMAN, WiMAX, GSM, DECT, TETRA, ISDN, VoIP...**
 - Example 1: Compatibility between road tolling systems - the European Commission supported ETSI's work on test specifications for Dedicated Short Range Communications Testing (DSRC).
 - Example 2: Continuous Air interface Long and Medium range (CALM) for communications between a vehicle and the roadside. CTI advises ETSI Intelligent Transport Systems Task Group on the use of tools and standardisation methodologies.
- ❑ **Test specifications used by manufacturers as a basis for internal development testing, goal is conformance testing for interoperability.**
- ❑ **Interoperability testing is another activity...**
- ❑ **ETSI Plugtests service provides a neutral venue to Debug implementations, meet partners & competitors without risk of disclosure**



For help and information...

- ❑ **Please contact ETSI:**

- ❑ **New Initiatives / ISGs / New TBs**
 - **Ultan Mulligan**
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Thank you