



World Class Standards

**RFID Policy Support Workshop
Thematic network on RFID
call for proposals
and
ETSI RFID Networks initiatives
“EU REG, GRIFS, CASAGRAS and CERP”**

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ETSI - Strategy & New Initiatives**

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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 ...



ETSI's 'surround' services

- Forapolis is *technology*-enabling



- Interopolis is *product*-enabling



- Industry Specification Groups



ETSI: a 'must consult' body

- ❑ **Supporting European telecoms regulation**
 - **Harmonised Standards in support of R&TTE Directive**

- ❑ **Supporting European Frequency Harmonization**
 - **Harmonised Standards for European frequency allocations**
 - **Produced by ETSI ERM TG28 and TG34 committees**

- ❑ **World leader in creating cryptographic algorithms and protocols to prevent fraud, unauthorized access and privacy**

- ❑ **Producing ICT standards for global use**

- ❑ **ETSI is a unique resource to meet European and Global standardization requirements for the Internet of Things**

RFID Interoperability?

- ❑ **Most importantly, the development of standards should follow established best practices for engineering design:**
 - **Establish and analyse requirements**
 - **Develop a functional model and architecture**
 - **Specify the detailed design**

- ❑ **RFID could not take off because of**
 - **The non application of these best practices**
 - **The lack of trust in the technology (security by design)**
 - **Too many fragmented landscape of non interoperable proposals**

This is changing!

ETSI RFID Plugtests

- ❑ 1st event, 7-11 March 2005. Tested Code of Practice for the installation of RFID equipment in conformance to EN 302 208

- ❑ 2nd event planned 2-5 June 2008 with TC ERM TG34 in Dusseldorf DE
<http://www.etsi.org/WebSite/OurServices/plugtests/calendar.aspx>

- ❑ Will focus on interoperability
 - Tags and Interrogators supplied by different vendors
 - Will validate interoperability
 - In laboratory environment
 - Passing through portals
 - On conveyors
 - At item level

ETSI Technical Bodies in RFID Networks?

- TC ERM: RFID Radio Interface and Spectrum Management**
 - **TG28 SRD (Short Range Devices)**
 - **TG34 UHF RFID**
 - **TG30 Medical Devices**
- EP EHEALTH**
- TC SCP Smart Card Platform (NFC and SIM/USIM)**
 - **3GPP**
 - **NFC Forum, ECMA**
- TC ITS: Intelligent Transport Systems**
- TISPAN/NGN: Next Generation Networks**
- Security**
- Plugtests Service**
- Workshops, Global dialogue...**



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ETSI vs EU REG, GRIFS, CASAGRAS and CERP

ETSI is member of the European RFID Expert Group

http://ec.europa.eu/information_society/policy/rfid/doc/reg.pdf **both in**

GRIFS <http://www.grifs-project.eu> **and CASAGRAS**

<http://www.rfidglobal.eu> **projects and Coordinator of the Cluster of**

European RFID Projects (CERP) <http://www.rfid-in-action.eu/cerp>

ETSI is a non-for-profit neutral European Standard Organization already active in European Regulation, global standardization and collaboration, providing interoperability testing services

This should be a good catalyst for the sustained RFID global dialogue and coordination



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CASAGRAS <http://www.rfidglobal.eu>

CASAGRAS: Coordination and Support Action (CSA) for Global RFID- related Activities and Standardisation

Provide an incisive framework of foundation studies for EU consideration and for the development of standards and regulatory foundations that can best assist the EU executive and member states in influencing and accommodating international issues and developments concerning radio frequency identification (RFID) and the emerging 'Internet of Things'.

- AIM UK Ltd (AIM) - UK**
- YRP Ubiquitous Networking Laboratory (YRP) - Japan**
- Hong Kong Science and Technology Parks Corporation (SCIC) - China**
- AIDC UK Ltd (ECFAIDC)**
- ETRI - Electronics and Telecommunication Research Institute - Korea**
- FEIG Electronic GmbH (FEIG) - Germany**
- ETSI**
- QED/ Craig Harmon (CH) - USA**



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GRIFS <http://www.grifs-project.eu/>

The Global Interoperability Forum for Standards (GRIFS) is a 2 years Support Action Project funded by the European Commission with the aim to improve collaboration and thereby to maximise the global interoperability of RFID standards.

GRIFS started in January 2008 and is managed by

- GS1**
- ETSI**
- CEN**

The GRIFS project will initiate a forum that will continue to work constructively after the end of the project through a Memorandum of Understanding between key global standard organisations active in RFID.



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Thank you for your attention

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