



RFID Standards Perspective On A Global Scale

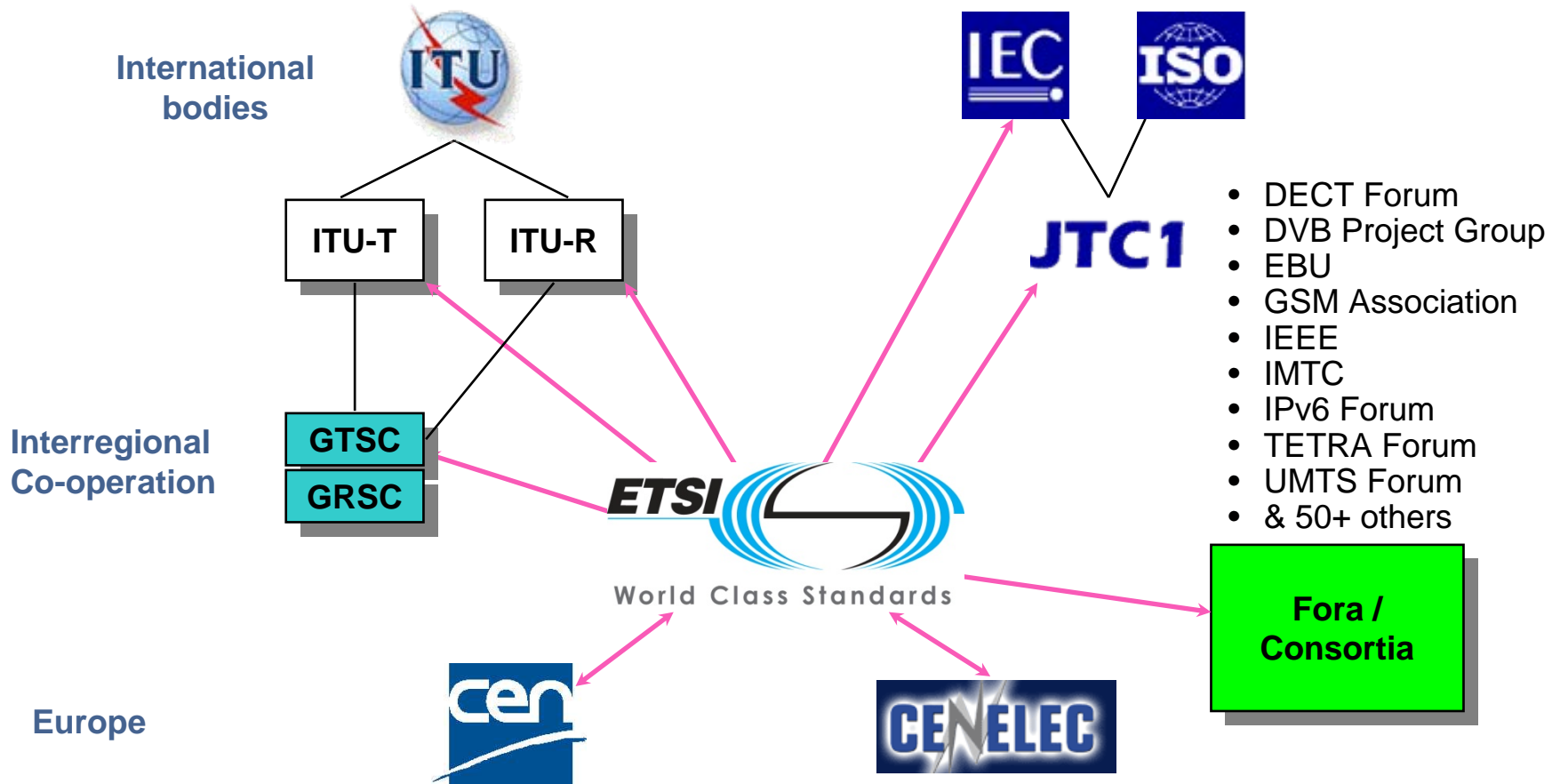
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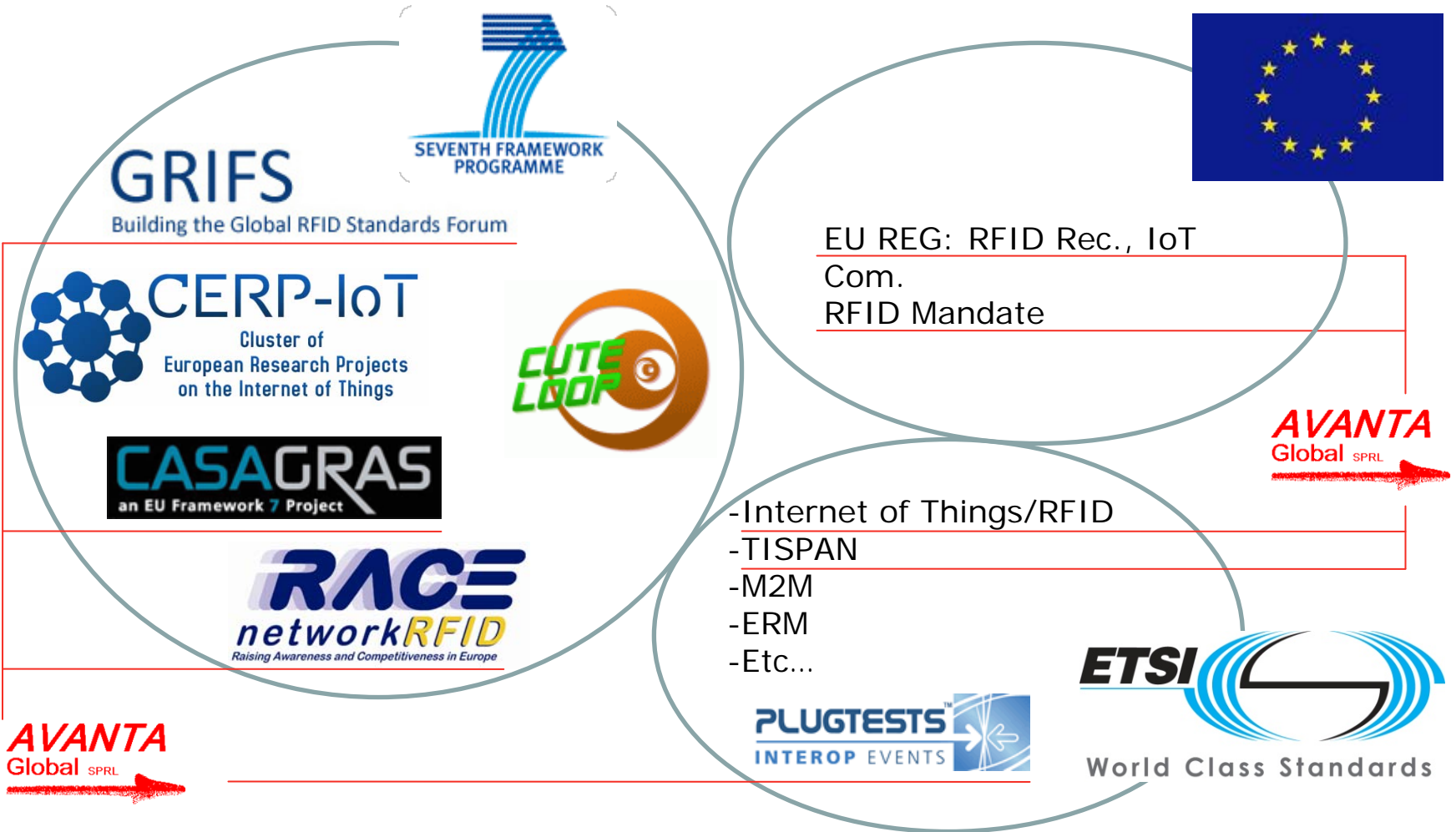


ETSI's relations with ITU, IEC & ISO





ETSI with RFID/IoT





RFID – The Mandate

- Assigned to ESOs
- Supporting the Recommendation
- Phase 1
 - Development of Recommended Steps for Phase 2
 - PIA Framework with RFID system enhancements
 - Signage & logos for application areas & system components
- Phase 2 – Creation of Missing Standards





- The Global RFID Interoperability Forum for Standards (GRIFS)
- EPCglobal, ETSI and CEN
- 2 year project coordination of standards activities related to RFID
- State of the art report on RFID Standards
 - Consolidated list of standards related to RFID
 - On-line database
- Memorandum of Understanding (MoU)
- Liaison with other EU RFID Projects e.g. CERP IoT through ETSI
- Information Gathering Workshops
 - GRIFS Tokyo workshop - 26 September 2008
 - A focus on Data Exchange Standards, Protocols and security standards for Data and Networks
 - http://www.grifs-project.eu/data/File/GRIFS_Newsletter_December08.pdf
- GRIFS Forum



- 'Coordination and support action for global RFID-related activities and standardisation'
 - WP1 : Review of Standards and Procedures for International Standardisation in relation to RFID
 - WP2: Regulatory Issues in Respect of RFID Standards
 - WP3: Global Coding for the Internet of Things
 - WP4: RFID and the Internet of Things-Enablers of Ubiquitous Computing and Network
 - WP5: Functional Developments, Associated Standards and the emerging Internet of Things
 - WP6: Applications in the emerging Internet of Things
 - WP7: Socio-economic components of RFID usage in the Internet of Things
- YRP Ubiquitous Networking Laboratory (Japan) + representatives from China, US, Korea, UK, France, Germany, Austria



- WP3 & WP4 examples:
 - The information transport identifier & the object identifier (RFID/IoT)
 - uCode in relation to:
 - “context awareness” & “Specific Object-identification”
 - URIs (Identifier), URNs (Name), URLs (Locator), URCs (Characteristics), UID, EPC, IP addressing + much more
 - uID architecture in relation to:
 - IoT, Ubiquitous Sensor Networks (USNs) Wireless Sensor Networks (WSNs) and Next Generation Networks (NGNs)
 - Enablers + much more
- Final Papers are drafted and will be published soon
- Final Presentation 6th & 7th October, The Great Hall, Central Hall Westminster, Storey's Gate, London SW1H 9NH
<http://www.rfidglobal.eu/press/Final%20Conference.pdf>
- <http://www.rfidglobal.eu/>



AVANTA Global SPRL



AVANTA Global - Expertise

Management

RFID
EPCglobal
Strategies

Process/Industrial Engineering
Process Re-Engineering
Management System
Process Controls

Project Management
[PRINCE II Qualified]
Business Case

Procurement

Number Systems
Number System Management

Supply Chain Management

Technical

RFID
Technology Selection
Standards
Systems Architecture

Bar code
Wedges & controllers
Printers
Labels
Hand Held Scanners
Unattended Scanners
Verification

Weigh scales
Volumetric Measuring



AVANTA Global SPRL

- Principle consultant Trevor Peirce since May 2006
- Current and Recent Activities:
 - Global leading Medical Device manufacturer:
 - AutoID Supply Chain Strategy Consulting
 - AutoID Programme Coordination
 - RFID Project Management
 - Standards Organization/European Community
 - CASAGRAS
 - GRIFS
 - RACE Network RFID
 - ETSI/CESI China RFID Plugtest
 - RFID Privacy & Security initiatives
 - Mandate & Recommendation response in collaboration with European Standards Organizations
 - ETSI: Next Generation Networks (NGN) RFID/Smart Card Privacy and Security Work Item
 - RFID System Provider
 - Healthcare Business Development (US & Europe)
 - EPCglobal Standards Collaboration
 - Digital Pen Solution Provider
 - Transport & Logistics Market Evaluation



RFID - Standards Director EPCglobal

2005 – 2006

- Responsible for an international team of 7 Standards Managers co-ordinating 1,500 subscribers engaged in gathering industry requirements across supply chain sectors
 - Consumer retail
 - Healthcare
 - Transport & logistics
- and delivering the technical standards which define the EPC (Electronic Product Code) Network™ based upon Radio Frequency Identification (RFID) to the timing defined within the Strategic Work Plan
 - Hardware Action Group
 - Software Action Group
- Co-ordinator of relations with industry associations e.g. IATA, WCO, etc..
- Supporting GS1's 107 country Member Organizations with specific focus upon Australia, India, Hong Kong, Japan and, Singapore.



RFID - Programme Director, DHL

2003 - 2005

- Defining the future vision, direction and strategies that form DHL's RFID Program influencing RFID Projects across
 - Express (air/ground)
 - Freight
 - Solutions
 - Air & Ocean
- Co-ordinator of 1.4 MUSD DHL RFID Pilot Projects in Americas and Asia Pacific
- Technical advisor to Metro Solution Team as part of their "Future Store Initiative" (FSI)
- Responsible for technology extending beyond RFID to
 - GPS
 - mobile communications
 - IS
- Internal and external communications hub for DHL/Deutsche Post e.g. Time Magazine



Engineering Manager, DHL

2001 – 2003 Global Coordination Centre

- Manager of a global development team of 4 consisting of Engineers and Project Managers whom together have contributed to 45 million Euro savings in operational and procurement costs
- Responsible R&D projects
- RFID Project Manager securing 1.3 million Euro external funds
- Responsible for Global Air waybill numbers, procedures and systems, and critical operations supplies specifications totalling 56 million Euro
- Functional leader of 9 European country Engineers and business wide cross functional teams

1997 – 2001 Europe, Africa and Middle East Regional Office

- Project initiator and Manager of research, development and deployment of automated systems enabling a revenue improvement of 2%, justifying investment cost of 3 million Euro
- Process Improvement Project Manager for projects at DHL Oslo and Gothenburg
- Responsible for evaluation and testing of unattended bar-code scanner systems and RFID