

GRIFS

Building the Global RFID Standards Forum



→ RFID standards issues – a CEN perspective

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GRIFS Open Meeting, 18 June 2008



Reminder - what is CEN?

- The European Standards Committee (French acronym)
- One of the three European Standardization Organizations, recognized by the EC
- A non-profit association, whose members are national standards bodies (BSI, DIN, AFNOR, etc.)
- Now 30 members – EU plus EFTA
- Affiliate members – new applicant countries, Med partners
- Associate members – industry sectors
- International partner: ISO
- CEN/ISSS: “marketing title” for our ICT activities

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Our working methods

- We operate two main sorts of consensus group to meet different circumstances:
 - Technical Committees - made up of national delegations. The end products are formal European Standards (EN) or Technical Specifications (TSs)
 - Workshops and Focus Groups – direct participation (incl. global)
- Workshops are:
 - An informal “bottom up” process – subjects needed by the “market” (in the broadest sense)
 - A public process - Business Plans on web, open for comment to all
 - Results by consensus of the participants (and usually a “public enquiry” on web)
 - Technical specifications, guidance material, best practice, information
 - Results become CEN Workshop Agreements - published by CEN (some on line for free)

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Overview

- 8 Technical Committees producing European Standards (ENs)
- Since February 1998:
 - 66 Workshops started in CEN/ISSS
 - 21 Workshops currently open
 - 250 CWAs published (includes some non-ICT)
 - 1300+ (average) registered Workshop participants (business and other interests)
 - Value-added activities (R&D links, consortia overview, etc.)
 - Focus Groups (strategic overview groups open to all)

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What are we working on?

- We are a “user signatory” of the ISO/IEC/ITU-T/UN-ECE MoU on eBusiness standards (model for GRIFS MoU) – ensuring good collaboration - only in CEN is there a coherent overall picture on those matters!
- eBusiness issues – eBusiness Interoperability Forum, UN/CEFACT European Entry Point, eCataloguing, European Electronic Invoices, eProcurement
- But plenty of other activities besides:
 - ◆ eHealth – mandate, E111 etc
 - ◆ eAccessibility
 - ◆ ICT Skills, eLearning
 - ◆ ODR
 - ◆ Intelligent Transport Systems
 - ◆ Data Protection and Privacy
 - ◆ Banking software
 - ◆ Cyber-identity, Anti-Counterfeit

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And why?

- Technologies are global, but many end-users are regional
- European issues, eg:
 - Cultural (“the way we do business”)
 - Linguistic (“give me software in my language”)
 - Legal (cross-border issues, EU ones)
- Technology and application standards should take account of regional needs
- We can bring regional requirements to the global level
- We can provide regional applications of global standards
- NB the Vienna Agreement with ISO – but also our links to UN/CEFACT, consortia etc.

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Synergies to exploit

- Technology providers/vendors have the global reach and resource
- The ESOs have unrivalled national networks (30 countries in CEN and CENELEC)
- We can tap into end-users, national administrations, SMEs, etc.
- The synergies between these different networks are badly under-exploited – why don't we try to improve matters?
- ***Maybe for RFID, GRIFS can show the way?***

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CEN and RFID

- CEN TC225: AIDC technologies
- Historically with bar-code standards
- Most work formed the basis of work of ISO/IEC JTC1/SC31 – the core AIDC standards group
- TC225 ad hoc Group on RFID produced new work proposals, submitted to EU Commission for support under 2007 ICT standards programme
- Work so far stalled – support neither given nor refused...
- ***Should we try together to start work anyway?***

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RFID proposals submitted

- RFID privacy and security: what are the standards issues?
- RFID implementation guidelines: how to use RFID in applications
- Applying RFID in the European Automotive Sector
- Automotive Product Tracking and Tracing using RFID
- Airline in-flight bonded goods sales using RFID

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Other synergies (1)

- CEN/ISSS Workshop CPF – “Anti-counterfeiting: Protocols for Detection of Counterfeits”:
 - protocols and parameters for establishing a *secure trail* of components and finished products,
 - protocols and parameters for *authentication* of products
 - the link between the secure trail domain and the authentication domain
 - standardized formats for the presentation and verification of information and data about counterfeiting cases
 - definitions of the main terms and concepts
- Technology neutral, but clearly RFID applications can take account of the end-result (due end-'08)

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Other synergies (2)

- CEN/ISSS Workshop DPP – Data Protection and Privacy:
 - “Generic” Workshop providing standards activity to support implementation of relevant EU Directives
 - Interface with Article 29 Working Party of Data Protection Commissioners (Dir.95/46)
 - Most work relates to business implementation (audit practice etc)
 - Creation of a Voluntary Technology Dialogue System - ensuring new products, technologies and services comply with the relevant legislation
- ***NB – we should apply generic solutions where possible!***

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Concluding remarks

- There are too many duplicating/overlapping activities in ICT standards (NB CEN/ISSS Consortia Survey – 250 open standards consortia)
- We need to improve collaboration, reduce overlaps, avoid “black holes”
- We need to improve end-user inputs
- eBusiness MoU/MG, plus (eg) inter-standards body collaboration on eHealth provide examples
- GRIFS can and will help improve that coherence for RFID
- Let’s try to provide a first class overview of the RFID standards issues, then build on that....

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Thank you

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