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ISO/IEC JTC 1 SC 17

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2009 JTC 1 Plenary



SC17 Scope

Standardization in the area of

- a) identification and related documents
- b) cards

and devices associated with their
use in inter-industry applications and
international interchange



what is new – Work Items

- WG1 - 7810 Physical Characteristics Amd 2 – Opacity
 - 10373-1 Amd 1, principally around the contact plate for ICCs
- WG4 - 24727-4 Amd 1 ASN1 representation
- WG8 - 14443-2 Amd 3 Limits on EM disturbance
 - 14443-3 Amd 4 Limits on EM disturbance
 - 14443-3 Amd 5 Activation of higher level protocol
 - 14443-4 Amd 1 Activation of higher level protocol



what is new

- Participants
 - Armenia has joined as a P-member
 - New Zealand changed to an O-member
- Liaisons – no new liaisons



user engagement

- Participation
 - 32x P-members, 13x O-members
 - Int liaisons - TC68 & 215, SC 6, 27, 31, 37
 - Ext liaisons - 8x Cat A, 3x Cat C
- requirements addressed
 - 24727 Programming Interface for ICCs
 - e.passports/e.visas
 - Motor Vehicle Drivers Licence
 - Card durability (long life cards)
- Challenges - harmonization of NFC with 14443



known implementations

- Credit cards and credit card sized plastic cards are ubiquitous (7810)
 - 7811-9 Tactile Identification Mark
- Magnetic stripe cards are everywhere
 - 7811-8 650 Oersted cards for hotel card keys



known implementations

- Integrated Circuit Cards (7816)
 - EMV compliant credit or debit cards
- Contactless ICCs (14443)
 - Rapid transit tickets
 - e.passports and e.visas (7501)
 - Contactless payment cards, e.g. Visa's payWave and MasterCard's PayPass
- Driver Licence ID
 - US and SA using 2D-bar codes (SC31)
 - Europe going for chip cards



known implementations

- Optical Memory Cards (11694 and 5)
 - Secure-ID 2x high profile Homeland Security programmes
 - US & Canadian Permanent Resident Cards
 - Italy - Citizen ID cards, Foreign Resident cards, National Police Force secure-ID
 - India - Vehicle registration
 - Saudi Arabia – National ID cards
 - Angola - National ID cards
 - Costa Rica - Foreign Resident ID cards



outreach

- WG3 to ICAO – maintain supplement for 9303 on MRTD web site; addressing application issues; help prepare ICAO tech reports on test methods
- WG4 – reaching out to USB Implementers Forum (USB Interchip); Global Platform authentication protocols included in 24727-3; greater emphasis to be placed on communications with user community to endorse use of WG4's standards
- WG10 – experts attend UN.ECE WP1; action underway to distribute material to driver license administrators



outreach

- press releases - none
- Articles – WG10 on Driver Licences preparing a marketing document (targeted version already trialled in EU)
- citings by external sources – whilst we don't actively track, SC17's standards are taken as read within the trade press



challenges

- Last year raised concerns over the need to harmonize SC17's 14443 and NFC from Ecma, fast-tracked through SC6
- SC6 established Study Group under its WG1
- SG held its 2nd meeting, 17-18 September in Singapore



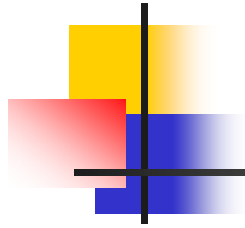
challenges

- SG called for contributions:
 - Swiss contribution gave the context to potential divergence
 - Japanese contribution the different scenarios requiring interoperability between 14443 and NFC devices
- Between them a good definition of the 'problem statement' providing a firm basis on which to proceed



challenges

- Whilst it remains to be seen who changes which standards, there is now a harmonization process and SC17 thanks SC6 for their effort in this regard
- 2x NPs raised by AFNOR, ballot closing 2009-10-04, re “Activation of higher layer protocols” in 14443
- 2x further fast-track ballots on NFC Series from Ecma via SC6 (ISO/IEC 13157 & 8)



issues or needs

- resource constraints

Whilst the economic downturn has seen a drop-off in attendance at meetings, SC17 and its WGs continue to function.

We have not actually stopped anything on the work programme for lack of resources



issues or needs

- resource constraints (contd)

WG4 are ambitious to keep ahead of a very dynamic market. To cope with market requirements means substantial effort upgrading existing standards.

The life cycle of the standards process is longer than the life cycle of the technology and we can always use new experts willing to volunteer.



2010

- new directions

Harmonization of operations in the 13.56MHz band along with SC6 and SC31

WG8 - Additional classes of PICC; multiple PICCs in a single operating field

Otherwise a year of consolidation, i.e. continuing to progress existing work items, amendments and revisions

- next SC17 plenary 6-8 October 2010, Takamatsu, Japan