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**WG8 N 1175**

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**BUSINESS PLAN FOR ISO/IEC JTC1/SC17  
CARDS AND PERSONAL IDENTIFICATION**

**PERIOD COVERED:** November 2005 - October 2006

**SUBMITTED BY:** Dick Mabbott (UK), Chairman, ISO/IEC JTC1/SC17  
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**1 MANAGEMENT SUMMARY:**

**1.1 JTC1/SC17 STATEMENT OF SCOPE**

Standardization in the area of

- a) identification and related documents,
- b) cards,

and devices associated with their use in interindustry applications and international interchange.

**1.2 Membership**

**P-Member National Bodies:**

Australia; Austria; Belgium; Canada; China; Czech Republic; Denmark; Finland; France; Germany; Hungary; India; Iran, Islamic Rep. of; Israel; Italy; Japan; Kenya; Korea, Republic of; Malaysia; Netherlands; New Zealand; Norway; Poland; Portugal; Romania; Russian Federation; Singapore; South Africa, Rep. of; Spain; Sweden; Switzerland; UK; USA.  
(Total 33)

**O-Member National Bodies:**

Estonia, Iceland; Indonesia; Ireland; Lithuania; Serbia and Montenegro; Slovakia, Rep. of; Thailand; Turkey; Ukraine. (Total 10)

**SC17 Liaison with other ISO bodies**

- ISO/TC 68, Financial Services
- ISO/TC 68/SC6, Retail Financial Services
- ISO/TC215, Healthcare Informatics
- JTC1/SC27, Security techniques
- JTC1/SC31, Automatic identification and data capture techniques
- JTC1/SC37, Biometrics

## Category A Liaisons

- American Express
- European Committee for Banking Standards
- European Computer Manufacturers Association
- International Air Transport Association
- International Civil Aviation Organization
- International Card Manufacturers Association
- International Labour Organization
- MasterCard International
- Visa International

## Category C Liaisons

- Global Platform
- UN/ECE Transport Division
- UN/ECE/WP1 – Road Traffic Safety

### 1.3 PROJECT REPORT

The full SC17 work programme complete with target dates is published as SC17 Standing Document 3. A copy of the latest version of Standing Document 3 is available on the SC17 web site at <http://www.sc17.com> (17n2863). The work programme details the 50 currently active work items, and includes four, that are expected to be published between the date of this report and the end of this reporting period.

SC17 working groups meet every 3-4 months depending on their schedule of work and close of ballot dates, using those for planning meetings rather than rigid time scales. SC17 has made excellent progress during the reporting period. Details on the status of each project are given in 1.4.

### Future Meetings

- 2007-10-04/06, France
- October 2007, Germany.

### 1.4 Summary of projects and project status

- Total number of active projects (including sub-projects  
And those published during the reporting period) 50
- Total number of approved NPs 6
- Total number of WDs 10
- Total number of CDs 5
- Total number of FCDs 10
- Total number of FDIS 7
- Number of standards published this reporting period 12

## Documents that have reached publication

Work item 1.17.34	Personal identification – Summary of SC17 standards (This document is published on the SC17 web site as an Information/Publicity Document.)
ISO/IEC 7501-1	Minor Revision of Identification cards - Machine readable travel documents - Part 1: Machine readable passport
ISO/IEC 7501-3	Minor Revision of Identification cards - Machine readable travel documents - Part 3: Official travel documents
ISO/IEC 7811-6/AM1	Identification cards - Recording technique - Part 6: High coercivity - Amendment 1: Ui6 Criteria and test method
ISO/IEC 7816-4	Revision of ISO/IEC 7816-4 under the new title of: Identification cards - Integrated circuit cards - Part 4: Organization, security and commands for interchange
ISO/IEC 7816-5	Revision of Identification cards - Integrated circuit cards - Part 5: Registration of application providers
ISO/IEC 7816-12	Identification cards - Integrated circuit cards - Part 12: Cards with contacts - USB electrical interface and operating procedures
ISO/IEC 11694-1	Revision of Identification cards - Optical memory cards and devices - Linear recording method - Part 1: Physical characteristics
ISO/IEC 11694-2	Revision of Identification cards - Optical memory cards and devices - Linear recording method - Part 2: Dimensions and location of the accessible optical area
ISO/IEC 14443-2/AM1	Identification cards - Contactless integrated circuit(s) cards – Proximity cards – Part 2: Radio frequency and power signal amplitude – Amendment 1: Bit rates for <i>fc/64</i> , <i>fc/32</i> and <i>fc/16</i>
ISO/IEC 14443-3/AM1	ISO/IEC 14443-3:2001 - AM1 – Identification cards – Contactless integrated circuit(s) cards – Proximity cards – Part 3: initialization and anticollision – Amendment 1: Bit rates for <i>fc/64</i> , <i>fc/32</i> and <i>fc/16</i>
ISO/IEC 18013-1	Identification cards - Motor vehicle drivers licences - Part 1: Model data element set

## Documents that have reached FDIS status

ISO/IEC 10373-1	Revision of - Identification cards - Test methods - Part 1: General characteristics tests
ISO/IEC 10373-2	Revision of - Identification cards - Test methods - Part 2: Magnetic stripe technologies
ISO/IEC 10373-5	Revision of Identification cards - Test methods - Part 5: Optical memory cards
ISO/IEC 10373-6/AM5	Test methods – Part 6: Proximity Cards – Draft Amendment 5: Bit rates for <i>fc/64</i> , <i>fc/32</i> and <i>fc/16</i>
ISO/IEC 11693	Revision of Identification cards - Optical memory cards
ISO/IEC 14443-3/AM3	Contactless integrated circuit(s) cards - Part 3: Initialization and anticollision - Amendment 3: Handling of reserved fields and values
ISO/IEC 14443-4/AM1	Contactless integrated circuit(s) cards - Part 4: Transmission protocol - Amendment 1: Handling of reserved fields and values

## Documents that have received FCD status

ISO/IEC 4909	Identification cards - Magnetic stripe data content for Track
ISO/IEC 7813	Identification cards - Financial transaction cards
ISO/IEC 7816-3	Revision of Identification cards - Integrated circuit(s) cards with contacts - Part 3: Electronic interface and transmission protocols
ISO/IEC 8484	Revision of Magnetic stripes of savings books
ISO/IEC 10373-6/AM1	Test methods - Proximity cards - Amendment 1: Protocol test methods for proximity cards
ISO/IEC 10373-6/AM3	Test methods - Proximity cards - Amendment 3: Protocol test methods for proximity coupling devices

ISO/IEC 10373-6/AM4	Test methods – Part 6: Proximity Cards – Draft Amendment 4: Additional test methods for PCD RF interface and PICC alternating field exposure
ISO/IEC 10373-6/AM5	Test methods – Part 6: Proximity Cards – Draft Amendment 5: Bit rates for <i>fc/64</i> , <i>fc/32</i> and <i>fc/16</i>
ISO/IEC 11694-5	Identification cards - Optical memory cards and devices - Linear recording method - Part 5: Data format for interchange.
ISO/IEC 11694-6	Identification cards - Optical memory cards and devices - Linear recording method - Part 6: Use of biometrics on optical memory cards.

### Documents that have reached CD stage

ISO/IEC 7812-1	Revision of Identification cards - Identification of issuers - Part 1: Numbering system
ISO/IEC 7816-13	Identification cards - Integrated circuit cards - Part 13: Commands for application management in multi application environment
ISO/IEC 15457-1	Identification cards - Thin flexible cards - Part 1: Physical characteristics
ISO/IEC 18013-2	Identification cards - Motor vehicle driver licences - Part 2: Machine readable technologies
ISO/IEC 24727-1	Identification Cards - Programming Interfaces for Integrated Circuit Cards - Part 1: Programming interface architecture

### Documents that have reached WD stage

ISO/IEC 7812-2	Revision of Identification cards - Identification of issuers - Part 2: Application and Registration procedures
ISO/IEC 7816-3/AM2	Identification cards - Integrated circuit cards–Part 3: Cards with contacts: Electronic signals and transmission protocols – AM2 – Synchronized communication
ISO/IEC 7816-15/AM1	Identification cards - - Integrated circuit cards – Part 15: Cryptographic information application – Amendment 1: Examples of Integrated use with other ISO/IEC 7816 standards
ISO/IEC 15693-1	Revision of Identification cards - Contactless integrated circuit(s) cards - Vicinity cards - Part 1: Physical characteristics
ISO/IEC 15693-2	Revision of Identification cards - Contactless integrated circuit(s) cards - Vicinity cards - Part 2: Air interface and initialization
ISO/IEC 15693-3	Identification cards - Contactless integrated circuit(s) cards - Vicinity cards - Part 3: Protocols
ISO/IEC 24727-3	Identification Cards Programming Interfaces for Integrated Circuit Card, Part 3: Application interface
ISO/IEC 24749	Identification cards – Secure and interoperable transactional IC card reader
Approved NP 1.17.43	Identification cards - On-card finger print matching Identification cards – Card service life (It has not yet been decided whether this will be incorporated into an existing standard, or will be a new standard.)

### NPs approved during the reporting period

ISO/IEC 7501-1	Revision of the 2005 Edition of - Identification cards - Machine readable travel documents - Part 1: Machine readable passport
ISO/IEC 7501-3	Revision of the 2005 Edition of - Identification cards - Machine readable travel documents - Part 3: Official travel documents
ISO/IEC 7811-8	Identification cards -, magnetic recording techniques - Part 8: 650 Oersted Magnetic Stripes (It has not yet been decided whether this will form part of an existing standard or whether this will be published as a new standard)

ISO/IEC 7816-2	Identification cards - Integrated circuit cards - Part 2: Cards with contacts: Dimensions and location of the contacts
ISO/IEC 10373-6/AM6	Test methods – Part 6: Proximity Cards – Draft Amendment 6: ISO/IEC 14443 Amendment 6: Test Environment
ISO/IEC 14443-1	Identification cards - Contactless integrated circuit(s) cards - Proximity integrated circuit(s) cards - Part 1: Physical characteristics

The following NPs were also approved during the reporting period and have already progressed to subsequent stages. They thus appear additionally under the relevant heading in this section e.g., CD, FCD, etc.

ISO/IEC 4909	Identification cards - Magnetic stripe data content for Track 3
ISO/IEC 7816-3/AM2	Identification cards - Integrated circuit cards–Part 3: Cards with contacts: Electronic signals and transmission protocols – AM2 – Synchronized communication
ISO/IEC 7816-15/AM1	Identification cards - - Integrated circuit cards – Part 15: Cryptographic information application – Amendment 1: Examples of Integrated use with other ISO/IEC 7816 standards
ISO/IEC 11694-5	Identification cards - Optical memory cards and devices - Linear recording method - Part 5: Data format for interchange.
ISO/IEC 11694-6	Identification cards - Optical memory cards and devices - Linear recording method - Part 6: Use of biometrics on optical memory cards.
1.17.43	Identification cards – Card service life (It has not yet been decided whether this will be incorporated into an existing standard, or will be a new standard.)

## PERFORMANCE MATRIX

Metric	2001	2002	2003	2004	2005
Attendance at Meetings (Inc. Plenary)	265	273	225	230	235
New Standards Published (NSP)	17	4	7	11	12
Total Standards Published (TSP)	52	50	59	62	67
Active Projects (AP)	30	27	27	49	50
New Projects (NP)	2	5	4	25	18

## 1.4 CO-OPERATION AND COMPETITION

SC17's card technology standards are generic and universally adopted throughout the cards industry to underpin the vast majority of card applications. They are used in the finance sector in the EMV (Europay, MasterCard, Visa) payment specification and in the transport sector where ticketing applications and electronic identification applications (e.g. machine readable travel documents) and thus terminals are generally compliant with SC17 contactless card standards.

WG8 has established a liaison with SC6 on ISO/IEC 18092 Near Field Communication and has volunteered to maintain the 'contactless card' parts of the transposed ECMA-340 standard. This offer has been accepted by SC6.

WG1 has liaison with WG8 on the development of the physical characteristics of various Contactless IC cards standards. WG1 also has liaisons with WG3/TF2 and

CEN/TC224/WG15 on Card Service Life.

Last year SC17 noted that application platforms and application developers were becoming ever more sophisticated and that SC17 needed to be aware that failure to recognise such platforms, e.g. the Java Card, could threaten SC17's position within the industry. SC17 is pleased to announce that Global Platform, the industry organisation committed to developing "an open and interoperable infrastructure for smart cards" has since applied for and been granted Category C Liaison with ISO/IEC JTC1/SC17 and is active in its Working Group 4 – Integrated circuit cards with contacts.

SC17 continues to develop specific application standards when requested to do so. Currently, SC17 has two active application based working groups, WG3 on Machine Readable Travel Documents (MRTDs), e.g. Passports and Visas, and WG10 on Driver Licences (DLs).

SC17 also monitors the work of ISO TC215 - Healthcare Informatics, which is applying many of SC17's standard to the development of cards in support of healthcare applications. SC17 is ready to assist ISO/TC215 if requested to do so.

## **2 PERIOD REVIEW**

### **2.1 MARKET REQUIREMENTS**

#### ***Machine readable travel documents***

Following the events of 9/11 governments of the world are introducing ePassports for more secure border crossing. The ePassport will contain a mandatory Contactless IC Chip, have recorded data governed by a Logical Data Structure (LDS) standard, as well as protected by a standardized security scheme based on PKI principles. A facial biometric is a mandatory data element for enabling machine assisted identity confirmation of the rightful holder of the ePassport. In conjunction with the International Civil Aviation Organization WG3 has developed a set of ICAO Technical Reports that are being used as the basis for the ePassport, as well as the family of next generation machine-readable travel documents. These Technical Reports have been used as the basis for creating a new edition of Part 1 of ICAO Doc 9303, Machine Readable Passport, which was considered by ICAO at its Plenary meeting at the end of September 2005 and approved for publication. Part 1 of ICAO Doc 9303 will now be brought into ISO for adoption as a short form endorsement in a new edition of ISO/IEC 7501-1.

A new version of Part 3 of ICAO Doc 9303, Machine Readable Official Travel Documents will follow almost immediately and be brought into ISO for adoption via short form endorsement in a new edition of ISO/IEC 7501-3. This work has been a real challenge for WG3, ICAO and the governments of the world, all of whom are under pressure to deliver a secure and stable ePassport to the market place now, whereas the technologies themselves are very much still in the development stages. For example, the long life of a passport, typically 10 years, makes durability testing essential so new test methods are being developed to address this need by a Task Force created within WG3.

#### ***Contactless ICCs***

Contactless card technology is much in demand. Its success in rapid transit ticketing applications and for next generation passports has led to major growth also in the payments

arena where contactless technology is being used for low-value payments at convenience stores, petrol stations, fast food restaurants etc. This growth is expected to continue and become a major application area.

There is no physical reason why the 'card' element of a contactless transaction has in fact to be constrained by the formal ID-1 card form-factor. WG8 is planning to work on form-factor free options for both proximity cards (ISO/IEC 14443) and vicinity cards (ISO/IEC 15693).

WG8 is also working with WG1 (Test methods and physical characteristics) on limited use cards. ISO/IEC 15457 developed by WG1 is the standard for thin flexible cards (e.g. tickets) but these are now being developed as contactless cards and thus WG8 are working on the contactless technology and antenna and WG1 on the associated physical characteristics and test methods.

## **2.2 ACHIEVEMENTS**

Eight NPs have been balloted over the past 12 months. Two concern the work of WG1, one the work of WG4, one for WG7 (transferred from ISO/TC68) two for WG8 and two for WG9 (see 1.3). Where further work is required and the work is within the existing scope of the original work item, this has been approved through SC17 resolutions and ratified by Work Programme modifications submitted to JTC1 for approval.

Other notable achievements are as follows:

### ***Summary of SC17 Standards***

SC17 has published on its web site, a "Summary of SC17 Standards". The document gives an overview of SC17 standards and test methods as well as summarising the process for development and revision of such standards. It also sets out the structure of SC17, ID card and document sizes, common terms used and the scopes of all SC17 standards. It is up-dated at least twice yearly. The document, developed and maintained by WG1, has proved extremely useful both as an information and publicity document.

### ***WG1 – physical characteristics and test methods***

ISO/IEC 7811-7 – the "High density high coercivity" magnetic stripe standard was published and an NP approved for an additional range of magnetic stripe "650 Oersted". A request for such a standard has been made from world wide users and manufacturers of such magnetic material so that interchange could be achieved in the magnetic key market extensively used in the hotel industry and until now not standardised.

Another NP approved was for the revision of ISO/IEC 15457-1 for work being done in conjunction with WG8 for contactless tickets. A further NP, also approved for WG1, concerns Card Service Life and contains the methodology for a series of tests used to simulate card service life. Close liaison will be kept with WG3 and CEN/TC224/WG15 who are working in a similar area.



### ***WG3 – Machine readable travel documents***

The work of WG3 is mainly taking place in ICAO, revising their documents so that they can be endorsed by ISO at a later date. WG3 has developed new Short Form Endorsements for ISO/IEC 7501-1 (passports) and ISO/IEC 7501-3 (Official travel documents), which clarify the versions and parts of ICAO Doc 9303 that are currently endorsed by ISO. WG3 has worked with ICAO to realize technical specifications for the new biometric-enabled ePassport. The technical specifications were first committed to a series of Technical Reports and now to a new edition of Part 1 of ICAO DOC 9303, Machine Readable Passport. The new Edition of Part 1 of ICAO Doc 9303 was approved by ICAO at its Plenary Meeting on 26-28 September 2005. This will result in WG3 presenting, by end-2005, the new Edition of Part 1 for consideration as the ISO Standard via a further new edition of ISO/IEC 7501-1.

### ***WG4 – Integrated circuit cards with contacts***

New editions of ISO/IEC 7816-4 (Interindustry commands for interchange) and Part 5 (Registration of application providers) were published, taking the reorganization of the ISO/IEC 7816 series standards almost to completion. The one remaining part (Part 3, Electronic interface and transmission protocols) will be published Q3 2006. In addition ISO/IEC 7816-12 (USB electrical interface and operating procedures) was also published.

Parts 1 and 2 of ISO/IEC 24727 (Programming interface architecture and generic card edge) both reached CD during the reporting period.

### ***WG7 – Financial Transaction Cards***

As well as revising ISO/IEC 7813, which deals with the data content of the Magnetic Stripe Tracks 1 and 2, WG7 is also revising ISO 4909 – Data content for Track 3, which has been passed to SC17 from ISO/TC68. Both documents should be published before the end of the next reporting period.

### ***WG8 - Limited Use Contactless Card Standard***

The numerous Amendments to ISO/IEC 14443 (proximity cards) and ISO/IEC 15693 (vicinity cards) and the associated test methods are progressing well. Concentrating on these smaller "chunks" of work has proved to be very successful and means that technical problems with one aspect of the work do not hold up progress on other aspects of it. The amendments will be slotted into new editions of ISO/IEC 14443, ISO/IEC 15693 and ISO/IEC 10373 Parts 6 and 7, once the Amendments are stable.

### ***WG9 – Optical memory cards***

WG9 has had a very productive year with the revision ISO/IEC 11693 the generic optical memory card standard being published along with the revision ISO/IEC 11694 – Linear recording method Part 1: Physical characteristics and Part 2 Dimensions and location of the accessible optical area being re-published.

NPs were successfully ballot for Part 5 (Data format for interchange) and Part 6 (Use of biometrics on an optical memory card) of ISO/IEC 11694 and these were also simultaneously balloted as CDs. Both of these documents have progressed to FCD ballot.

### ***WG10 – Motor vehicle Drivers Licence and Related Documents***

ISO/IEC 18013-1 (Motor vehicle licence) Part 1: Physical characteristics and basic data set reached publication and Part 2 should reach FCD ballot by the up-coming meeting in Sun City and FDIS during the reporting period. An NP is being considered for Part 3 (Authentication and Privacy) and the balloting should start sometime soon with the expectation that it should reach CD within the reporting period.

## **2.3 RESOURCES**

SC17 plenary and working group meetings are well attended with Project Editors appointed as NWIs are approved and assigned to their respective working group. WGs 1, 3, 4 and 8 are particularly active at the moment with several task forces meeting outside of the main working group meetings to progress individual work items. Meeting dates are based on issues such as close of ballot dates and expected progress between meetings rather than on a strict 3 or 4 monthly basis to ensure maximum efficiency.

Provided SC17 continues to maintain a work programme relevant to the needs of the industry it is not generally anticipated that there will be any difficulty regarding either participation or resources.

## **2.4 PARTICIPATION METRICS**

This year 15 P-members attended the SC17 plenary meeting held in the Republic of South Africa. This is fairly typical participation in meetings at the SC level, however, additional P-members from other countries regularly attend working group meetings.

The 50% criteria for postal ballots has not yet caused any problems for SC17, though there is a small number of P-members that consistently do not vote and do not attend meetings. P-members that do not vote because of a lack of expertise have been encouraged to make use of the "Abstention" option and this has proved helpful.

## **3. FOCUS FOR THIS PLANNING PERIOD**

The full list of deliverables to October 2006 can be found in N 2863 (<http://www.sc17.com>). Set out below are the main items from each working group

### ***WG1***

The revision of ISO 8484 – “Magnetic stripes on savings books” should reach publication, as should the revisions of ISO/IEC 10373 Parts 1 and 2 (General characteristics tests and Magnetic stripe technologies). Work will commence on the newly approved Part 8 to ISO/IEC 7811 on 650 Oersted Magnetic stripes, and it is hoped to have a CD text for the work item on Card Service Life.

### ***WG3***

As mentioned previously WG3 has been working with ICAO on their Technical Reports and their new version of Part 1 of ICAO Doc 9303, Machine Readable Passport. Now that ICAO

has agreed to publish the new edition of Part 1 of ICAO Doc 9303 ISO can proceed with balloting a short form endorsement i.e. new edition of ISO/IEC 7501-1 by end-2005.

ICAO is expected to publish Part 3 of ICAO Doc 9303, Machine Readable Official Travel Documents fairly soon. It will then be balloted under the Fast Track procedure for short form endorsement as a new edition of ISO/IEC 7501-3 within the next reporting period.

Thus the focus for WG3 during the next reporting period will be on working with ICAO on finalizing their documents and activating and managing the ISO short form endorsement process. WG3 will equally focus on developing test methods for the new ePassport and commence work on future upgrades already identified for the family of eMRTDs.

Work on the "Machine readable visa" (ISO/IEC 7501-2 and Part 2 of ICAO Doc 9303) has been put on hold until work the work on Parts 1, 3 and test methods is nearer completion.

#### **WG4**

WG4 are nearing completion of their reorganization of the 7816 series of standards with 7816-3 (Electronic signals and transmission protocols) scheduled for publication during the coming period. Work on the revision of Part 2 – Dimensions and location of the contacts, will commence as will an Amendment to Part 3 on Synchronized communication. ISO/IEC 7816-13 - Commands for Application management in a multi-application environment – is due to reach FDIS.

Work on 'Programming interfaces for IC cards', inspired by the US government's GSC-IS, is progressing well with the first two parts expected to reach FDIS during this reporting period and Part 3 expected to reach FCD.

Two NPs are currently out for ballot closing in December 2005, as follows:

- ISO/IEC 24727-4 – Identification cards – Programming Interfaces for Integrated Circuit Cards – Part 4: API administration, and
- ISO/IEC 24727-5 – Identification cards – Programming Interfaces for Integrated Circuit Cards – Part 5: Testing

The approved NP for a 'Secure and interoperable IC card transaction device', which is currently published as a CEN Workshop Agreements is expected to reach FCD.

#### **WG5**

WG5 is currently revising the IIN standard ISO/IEC 7816-12 with Part 1 expected to reach publication and Part 2 expected to reach FDIS.

#### **WG8**

As mentioned in Section 2.2 WG8 is currently developing a number of amendments to its base standards for Proximity cards (14443) and Vicinity cards (15693). The base standards will be revised to include the amendments as soon as the work on them is sufficiently stable. Thus the focus for WG8 will be to progress the revisions to a stage whereby they can be integrated into the base standards.

ISO/IEC 14443-1 is being revised and will include the work item for a limited use contactless card which is being progressed in liaison with WG1. This should reach FDIS ballot during the next reporting period.

WG8 has a series of Amendments to its proximity card standards addressing bit rates of  $fc/8$  and higher, these work items are currently on hold awaiting technical contributions from the experts concerned. If no such contributions are received, the work items will be allowed to naturally drop off of the SC17 work programme. The work items in question are:

- ISO/IEC 14443-3/AM2 Contactless integrated circuit(s) cards - Part 3: Initialization and anticollision - Amendment 2: Bit rates of  $fc/8$  and higher
- ISO/IEC 14443-2/AM2 Identification cards - Contactless integrated circuit(s) cards - Part 2: Radio frequency power and signal amplitude - Amendment 3: Bit rates of  $fc/8$  and higher
- ISO/IEC 14443-4/AM2 Contactless integrated circuit(s) cards - Part 4: Transmission protocol - Amendment 2: Bit rates of  $fc/8$  and higher

### **WG9**

Along with the two new parts of ISO/IEC 11694 i.e. Part 5 “Data format for interchange” and Part 6 “Use of biometrics on optical memory cards”, the Test methods standard for optical memory cards, ISO/IEC 10373-5 will achieve publication.

### **WG10**

ISO/IEC 18013-2 – “Machine readable technologies” will reach publication. WG10 may request NP ballots for further parts of ISO/IEC 18013 during the coming year.

A NP for a new Part 3 of ISO/IEC 18013 will be sent out for ballot before end-October 2005. The NP will cover the need for cryptography (document authentication) and create a common basis for international use and mutual recognition of the IDL without impeding individual countries/states from applying their privacy rules. National, community and regional motor vehicle authorities will also be able to taking care of their specific needs.

### **WG11**

A Resolution of Comments meeting for the comments received on the NP (Match on Card), which was approved over 12 months ago, was held in Paris in mid-2005, convened by the SC17 Chairman. That meeting tasked an ad hoc group of experts to review, clarify and expand upon the scope of the NP and to make recommendations back to SC17 at its plenary meeting in October.

Following discussions at the SC17 plenary meeting, it was agreed that further clarification was needed and that WG11 should hold a joint meeting with WG4 to further address the concerns of some of the SC17 P-members. It was stressed to both working groups that liaison with other groups e.g. SC37 and SC27 was essential and that the work for Match on Card should build, wherever possible, on work already undertaken in those groups. The progress made by WG11 and WG4 will be reviewed at the 2006 SC17 plenary meeting.

### 3.1 DELIVERABLES

Summarised below, in standard number within CD, FCD, FDIS and IS order, are each of the extant SC17 work items showing the status each is expected to achieve during the current reporting period (i.e. to October 2006). Precise target dates for each work item can be found in the accompanying document (N 2803).

<u>CD</u>	<u>FCD</u>	<u>FDIS</u>	<u>IS</u>
7811-8	7816-3/AM2	7501-1	7812-1
7816-2	10373-6/AM6	7501-3	7813
18013-3	15693-1	7812-2	7816-3
14443-2/AM2*	15693-2	7816-13	8484
14443-3/AM2*	24727-3	7816-15/AM1	10373-1
14443-4/AM2*	24749	14443-1	10373-2
Card Service Life		15457-1	10373-5
		18013-2	10373-6/AM1
		24727-1	10373-6/AM3
		24727-2	10373-6/AM4
			10373-6/AM5
			11693
			11694-5
			11694-6
			14443-4/AM1
			14443-3/AM3
			15693-3

\* WG8 is awaiting technical contributions on these work items and if no such contributions are received, the work items will be allowed to naturally drop off the SC17 work programme.

### 3.2 STRATEGIES

The introduction of the SC/NP procedure whereby working groups can request the SC Secretariat to initiate an NP ballot has been a real success for SC17. This procedure has enabled the working groups to focus on where standards are needed by the market place and raise NPs to cover those areas. Work is often undertaken in Task Forces sometimes meeting just prior to or just after a working group but also between meetings. This has expedited development times and means that only major issues and decisions are discussed at the working group level with much of the important early development undertaken in these smaller task forces.

The work being undertaken in WG1 and WG8 on thin flexible cards and the collaboration between WG3, WG4 and WG8 on standardizing the Contactless IC Chip in the new ePassport are evidence of the cross-working group cooperation in SC17 and demonstrates SC17's ability to respond to rapidly changing technology solutions.

The introduction of a biometric-enabled passport (ePassport) underscores the success of a strategic direction embarked on by SC17 several years ago, one that is now expected to lead to additional similar initiatives in which other forms of identification documents and cards are upgraded using the contactless IC chip, logical data structure, security schema and mandatory biometric principles that were applied to realize the ePassport.

### **3.2.1 RISKS**

SC17 still needs to prove it can respond to market needs in a timely fashion otherwise there are other organisations the market can turn to for standards, workshop agreements, consortia specifications etc. So far SC17 has managed to stay ahead of the game and intends to carry on doing so e.g. the work on limited use cards.

WG8 will need to revise its base standards to integrate the large number of Amendments that are currently being developed. SC17 approved the revision of the base standards by Resolution at its 2004 plenary meeting but it was noted that WG8 would not be able to start the work until work on the current Amendments is sufficiently stable. These items have been put on the SC17 work programme but with a "hold" on their start dates which will be notified by WG8 to SC17 as soon as WG8 is able to commence the work.

WG8 continues to liaise with SC6 on ISO/IEC 18092 Near Field Communication designed originally for the consumer electronics field but now being used in other areas such as telecommunications and payments. The two organisations work closely to avoid either technology interfering with the correct operation of the other such that the two technologies complement each other. This should be hugely beneficial to both.

### **3.2.2 OPPORTUNITIES**

As new players enter the card or personal identification markets, SC17 needs to ensure that standards are in place, which allow them to carry out their proposed business. SC17 must continue, therefore, to monitor developing markets and products and anticipate any new technologies that might have application to its area of competence.

## **3.3 WORK PROGRAMME PRIORITIES**

SC17 standards are developed in parallel across the breadth of its working groups and whilst there is no clash of priorities inter-related work items in different WGs often leads to the same experts having to attend different WGs. This leads to logistics considerations such as holding the WGs back-to-back, as sometimes happens with WGs 3 and 10, and the increased burden this can place upon hosts.

Following a Resolution in 2004, SC17 is awaiting a NP from the International Labour Office (ILO) for a "Seafarers Identity Document" and is ready to start work on this as soon as such an NP is received, balloted and approved.