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BUSINESS PLAN FOR JTC1/SC17 CARDS AND PERSONAL IDENTIFICATION

PERIOD COVERED: September 2009 – October 2010

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1.0 MANAGEMENT SUMMARY

1.2 JTC1/SC17 STATEMENT OF 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.

The scope will be reviewed at the SC17 Plenary meeting in Beijing, China 2009-09-23 to 2009-09-25.

1.3 PROJECT REPORT

The full SC17 Work Program complete with target dates is published as SC17 Standing Document 3. A revised copy has been published as 17n3751 for approval at the SC17 plenary. Once approved this will be published on the SC17 website as Standing Document 3.

1.4 CO-OPERATION AND COMPETITION

WG1 PHYSICAL CHARACTERISTICS AND TEST METHODS FOR IDENTIFICATION CARDS
WG1 maintains the following Liaison relationships. Within SC17 close cooperation with WG4, WG8 and WG9. CEN TC 224 as well as ICMA. MasterCard and VISA.

WG3 – MACHINE READABLE TRAVEL DOCUMENTS

WG3 and its five (5) Task Forces have been very active during the past year providing technical assistance to ICAO in many areas:

- Maintaining and publishing versions of the Supplement for Part 1 of ICAO Doc 9303, Machine Readable Passports, which is posted to the ICAO MRTD Web
- Assisting ICAO create the new Third Edition of Part 3 of ICAO Doc 9303, Size-1 and Size-2 Machine Readable Official Travel Documents;
- Assisting ICAO address application issues associated with MRTDs;   Finalizing the initial Parts of a test methodology for Machine Readable Travel Documents, which will become ICAO Technical Reports and subsequently International Standards once approved through balloting
- Assisting ICAO TAG-MRTD and its Working Groups develop and refine specifications for MRTDs as required.

WG4 - INTEGRATED CIRCUIT CARDS WITH CONTACTS

ISO JTC1 SC17 WG4 is the central working group responsible for the creation and maintenance of standards used by applications requiring smart card services. Whilst originally focused on the card architecture and the card terminal interface, since 2004 the WG4 has enlarged its perimeter

by specifying a new standard for smart card middleware, ISO/IEC 24727. This new standard provides an API with access to smart card services from an external client application.

Available card technologies expand the communication capabilities of the card and its ability to interact with external networks. Therefore WG4 has an increasing need to communicate with other ISO Working Groups and Standards Bodies to ensure the compatibility of the adopted standard solutions, including common interfaces and protocols.

Next sections explain the collaborations and links set out by WG4 with ISO, CEN and other relevant standards bodies in the period 2008/2010.

- SC17 WG's

WG1: WG4 ensures the maintenance of ISO/IEC 7816-1, 10373-3. Both standards are under revision. A clear separation has been established between these two standards and ISO/IEC 7810 which is under the responsibility of WG1. The revised ISO/IEC 10373-3 shall be published in 2010.

WG8: In the on-going process of convergence between ISO/IEC 14443 and NFC standards, one key issue is a common security model. Thus, in the on-going revision process of 7816-4, additional security functionalities are to be considered by WG4. For instance some security commands have to be enhanced for the support of a new family of protocols, password-based, that are required for the protection of contactless communications using ISO/IEC 14443 devices.

WG10: WG4 experts participated actively in WG10 so that the new published ISO/IEC 18013 parts 2 and 3 comply with both ISO/IEC 7816 and ISO/IEC 24727 provisions. This achievement shall facilitate the issuance of multi application cards around a main driving licence application.

WG11: The upcoming Match-on-Card standard, ISO/IEC 24787, is developed on the basis of ISO/IEC 7816-11. During 2009/2010, the interoperability mechanisms (retrieval, selection, security access) of 24787 draft shall be extended to include the data object handling as per ISO/IEC 7816-15 and ISO/IEC 7816-4.

WG4 expert Mr. L. Gaston has been appointed as official liaison between WG11 and WG4.

- ISO/IEC JTC1/SC27

WG4 is currently in the process of specifying how to execute SC27 WG2 algorithms and authentication protocols using the 24727 middleware (24727-3 and 6). The new ISO/IEC 24745, biometric template protection, requires compliance with ISO/IEC 7816-4 when the card is referenced. Finally, the first technical contributions submitted for the NWIP on « Lightweight Cryptographic Mechanisms », make use of protocols that will be mapped using ISO/IEC 7816 commands (eg. SPAKE protocol).

WG4 expert Mr. de Jong has been nominated to act with ISO IEC SC27/WG5.

- ISO TC68

A NWIP for a standard on Mobile Banking is to be launched in 2010 based on the conclusions of ISO TC68 SC7 Study Group. One of the targets is the definition of an API of mobile financial services to be implemented into the mobile handset. ISO/IEC 24727 should be considered as a possible candidate for this API.

- CEN TC224

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WG6: The WG4 on-going draft Enhanced Terminal Accessibility will be back compatible with WG6 standards EN 1332-4 and CWA 13987. This back compatibility is made possible because of the common work of WG4 and CEN TC224 experts.

WG15 (European Citizen Card- ECC): has delivered the final draft of ECC-3 which is an extension of ISO/IEC 24727 adapted to ID cards. Amendments to ISO/IEC 24727 shall be submitted to WG4 for the final alignment of ISO and CEN standards.

WG16 (Electronic Signature using a Smart Card): The on-going amendments on EN 14890 parts 1 and 2, require the extension of some existing ISO/IEC 7816-4 and -8 cryptographic commands that are being addressed during the revision process of both ISO standards.

- ETSI SCP

ETSI SCP elaborates SIM card standards based on ISO/IEC 7816. In particular the new USB technologies adopted by ETSI will require the revision of ISO/IEC 7816-12 (USB Interchip, low voltage USB).

ETSI and ISO WG4 are also going to collaborate for a common specification for the test of USB cards, based on the new ISO/IEC 10373-8 that should be published in 2010.

- Consortium/forum

USB Implementers Forum (USB-IF): The USB-IF smart card group has published the USB-ICC specification. ISO/IEC 7816-12 should be amended accordingly for consistency purposes, including the new USB Interchip.

EMVCo: liaison with VISA and MasterCard are active. Any ISO IEC 7816 evolution must take into account legacy issues for systems compliant with EMVco.

Global Platform: GP has provided WG4 with authentication protocols that have been included in the ISO/IEC 24727-3. Any requirement from GP will be considered when initiating the revision of ISO/IEC 7816-4.

WG8 - CONTACTLESS INTEGRATED CIRCUIT(S) CARDS, RELATED DEVICES AND INTERFACES

Close cooperation with WG3 (ICAO/NTWG).

WG9 - OPTICAL MEMORY CARDS AND DEVICES

WG9 also participates with other working groups (WG10 International Driving License) in the development of applications for optical memory technology. WG9 is not aware of any conflict or direct competition with any working group within or outside of ISO.

WG10 - MOTOR VEHICLE DRIVER LICENCE AND RELATED DOCUMENTS

WG10 has cooperated and is cooperating with other WGs, currently notably WG3, to ensure that best use is made of knowledge available in these WGs. WG10 has also established an information relationship with the Brussels Interoperability Group, specifically in connection with ISO/IEC 18013-3 (currently in FDIS stage).

One item where the work of WG10 and WG3 did diverge concerns Extended Access Control (EAC) / Extended Access Protection (EAP). EAP is closely based on EAC (which is described in a German standard, BSI TR-03110 Version 1.0). What differences there are stem from the need

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to address specific operational conditions that are different for driving licences than they are for passports (see WG10N678).

2.0 PERIOD REVIEW

2.1 MARKET REQUIREMENTS

Comments by individual Working Groups

WG1 PHYSICAL CHARACTERISTICS AND TEST METHODS FOR IDENTIFICATION CARDS

Magnetic Stripe Technology
Requirement: Magnetic stripe technology is widely in use for a long time now but still going strong. The market requires proper maintenance of the standards and the primary and secondary references.

Response: WG1 maintains the standards defining magnetic stripe technology and has recently supervised the transfer of the primary standards and the source for secondary standards from PTB in Germany to Q-Card in the US, following PTB's announcement that it can no longer host the primary standard and provide secondary reference cards.

Card reliability and durability
Requirement: Driven by both maturing of the classic card markets and an increasing number of applications with longer expected card life, the market requires standardized methods to assess the potential lifetime performance of different card construction.

Response: WG1 develops the standards 24789-1 and -2, containing test methods to assess the potential lifetime performance of card constructions and a framework of how to use the methods to determine the longevity of a card.

Structure of Standards, content of base standards ISO/IEC 7810 and ISO/IEC 10373-1
Requirement: Requirements on the physical aspects of a card were distributed over a group of standards within SC17's domain, creating some difficulty in maintenance and application. With the number of standards under SC17's control growing, the market needs some consolidation of the information.

Response: WG1 has started in close co-operation with WG4 and WG8 integrating various physical requirements and the related test methods into ISO/IEC 7810 and ISO/IEC 10373-1, published amendments to these standards and is now working on a further integration of such requirements into these standards.

Other technologies covered by WG1 standards
Requirement: The market requires standards to represent state-of-the-art and to address currently utilised technologies.

Response: WG1 regularly reviews the standards under its control and thanks to strong participation from the industry, continuously adjusts their content to reflect new experience from the field and foresees withdrawal of standards where technologies are not or no longer used.

WG3 – MACHINE READABLE TRAVEL DOCUMENTS

Collaboration has continued with ICAO TAG-MRTD and its working groups to use the specifications for the new ePassport to create specifications for Size-1 and Size-2 machine readable official documents of identity.

WG3 will be working closely with WG8 on the production of test methodology for MRTDs.

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WG4 - INTEGRATED CIRCUIT CARDS WITH CONTACTS

The ISO/IEC 24727 series was an important part of the work of the group since 2005. All the parts (1 to 6) are going to be standard at the end of the next period.

The work for the revision of the 2004 version of ISO/IEC 7816-4 has started. It will be an important part of the WG4 work in the period 2009/2010.

The main market requirements identified by the group may be summarised as follows:

-Standards to enhance the communication abilities of the card in order for the card:
- to send/receive a large volume of data,
- to support different communication channels.

A standard card security architecture suitable for all the applications (mobile, payment, e-Identity). Increase the accessibility of card services to both application providers and cardholders by:
- using standard middleware,
- adapting the User Interface to cardholder personal needs.
- Enhance Privacy by protecting the confidentiality of the sensitive data sent or read out of the card.
- Develop testing methodologies for compliance checking with standard.

WG9 - OPTICAL MEMORY CARDS AND DEVICES

The primary application for optical memory is currently in the field of 'Secure Identification' within Government projects. The addressable worldwide market potential for these applications is in excess of $1Billion US. The current realised market is $60-100 million,

WG10 - MOTOR VEHICLE DRIVER LICENCE AND RELATED DOCUMENTS

ISO/IEC 18013-1 is already being followed/referenced by a number of countries, including South Africa, Namibia and the United States.

ISO/IEC 18013-2 (as well ISO/IEC 18013-3, published in March 2009) is known to be considered by a number of countries for implementation.

WG10 intends to address the requirements of interoperability testing with a new part of ISO/IEC 18013. (Part 4: Test method for Extended Access Protection, currently at CD).

WG11 – APPLICATION OF BIOMETRICS TO CARDS AND PERSONAL IDENTIFICATION

US NIST has expressed interest in ISO/IEC 24787 –Identification cards – On-card biometric comparison as part of the MINEX II program.

2.2 ACHIEVEMENTS

WG1 PHYSICAL CHARACTERISTICS AND TEST METHODS FOR IDENTIFICATION CARDS

WG1 made the following major achievements during the past year:
- Two part Card service life standard (ISO/IEC 24789), published as a CD.

- Finalising amendments to 7810, consolidating physical requirements from various standards into 7810, the base standard for ID cards and the equivalent of test methods

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into 10373-1. Amendment 1 has been sent to ISO for FPDAM ballot. Amendment 2, Opacity published as an NP ballot.

WG3 – MACHINE READABLE TRAVEL DOCUMENTS

WG3 made the following major achievements during the past year:

- Created a supplement of Part 1 ICAO 9303, containing revisions to ICAO 9303.
- Endorsed pre-editorial draft of 3rd edition of part 3 of ICAO Doc 9303 after corrections and enhancements suggested by WG3 had been incorporated. WG3 expects to recommend the short form endorsement of part 3 to SC17 shortly.
- Contributed to the preparation of the final ICAO technical report on test methodology.

WG4 - INTEGRATED CIRCUIT CARDS WITH CONTACTS
Achievements include:

- ISO IEC 24727-6 sent to ISO for FDIS ballot.
- ISO/IEC 10373-3, 10373-8 and 20060 published for FCD ballot.
- 7816-1 and 24727-5 published for CD ballot.

WG8 - CONTACTLESS INTEGRATED CIRCUIT(S) CARDS, RELATED DEVICES AND INTERFACES

- Revision of ISO/IEC 15693-3: Identification cards -- Contactless integrated circuit cards -- Vicinity cards -- Part 3: Anticollision and transmission protocol published in April 2009.
- Revision of ISO/IEC 14443-3: Identification cards - Contactless integrated circuit(s) cards - Proximity integrated circuit(s) cards - Part 3: Initialization and anticollision sent to ISO for FDIS in June 2009.

WG9 - OPTICAL MEMORY CARDS AND DEVICES
WG9 has multiple international ID card programs with ten ISO/IEC Standards published and three currently under development. All target dates have been met.

WG10 - MOTOR VEHICLE DRIVER LICENCE AND RELATED DOCUMENTS

ISO/IEC 18013-3 was published in March 2009.

WG11 – APPLICATION OF BIOMETRICS TO CARDS AND PERSONAL IDENTIFICATION

ISO/IEC 24787 –Identification cards – On-card biometric comparison will complete its fourth CD ballot shortly. It is planed that this work item will be published by March 2010.

2.3 RESOURCES

WG1 - PHYSICAL CHARACTERISTICS AND TEST METHODS FOR IDENTIFICATION CARDS

Internationally renowned experts in the core areas participate regularly in the WG1 meetings. The level of expertise is outstanding and probably unique in this area in the card world.

WG1 relies heavily on two project editors doing the vast majority of the editing work. While, thanks to their substantial commitment, all the necessary work is being done, loss of either of these two would propose a substantial problem for WG1.

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WG3 – MACHINE READABLE TRAVEL DOCUMENTS

WG3 Continues to assist ICAO TAG-MRTD and its Working Groups develop and refine specifications for MRTDs as required.

WG4 - INTEGRATED CIRCUIT CARDS WITH CONTACTS

There was a big involvement of editors and experts particularly due to an important workload. Till now, the replacement of editors has been made with no impact for the work.

WG9 - OPTICAL MEMORY CARDS AND DEVICES

WG9 has adequate resources with technical expertise to complete projects within the new work period. The availability of project editors (currently two), and technical experts (up to eight from six nations), is sufficient to support the work of the group.

WG10 - MOTOR VEHICLE DRIVER LICENCE AND RELATED DOCUMENTS

All formal WG10 positions are currently filled. Resource availability is commensurate with the work being undertaken.

WG11 – APPLICATION OF BIOMETRICS TO CARDS AND PERSONAL IDENTIFICATION

WG11 has sufficient resources available to complete its work program.

2.4 ENVIRONMENTAL ISSUES

No relevant to this Sub-Committee.

2.5 PARTICIPATION METRICS

WG1 PHYSICAL CHARACTERISTICS AND TEST METHODS FOR IDENTIFICATION CARDS

WG1 meetings are attended by approximately 20 to 25 experts from the following organizations, UK, Japan, USA, Germany, France, New Zealand, and liaison organisations ICMA, MasterCard and VISA.

WG4 - INTEGRATED CIRCUIT CARDS WITH CONTACTS

Australia, France, Germany, Japan, Netherlands and USA have participated to all the meetings from the last SC17 meeting.

WG8 - CONTACTLESS INTEGRATED CIRCUIT(S) CARDS, RELATED DEVICES AND INTERFACES

Statistically, all the WG8 & TF2 related events have taken in total 16 meeting days and 406 man days efforts. Participation form Austria, China, France, Germany, Israel, Japan, Singapore, South Africa, Spain, Switzerland, U.K., U.S.A., EU and liaisons MasterCard and Visa Europe.

WG9 - OPTICAL MEMORY CARDS AND DEVICES

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WG9 enjoys active participation from the UK, USA, Canada, Italy, Germany and Switzerland. The ISO balloting of WG9 documents is always well supported by the national bodies.

WG10 - MOTOR VEHICLE DRIVER LICENCE AND RELATED DOCUMENTS

Participants from the following national bodies; France, Germany, Greece, Japan, Namibia, South Africa, Switzerland, United Kingdom and United States.

All SC17 Ballots have achieved over the required 50% of participating P-members.

3.0 FOCUS NEXT WORK PERIOD

WG1 PHYSICAL CHARACTERISTICS AND TEST METHODS FOR IDENTIFICATION CARDS

ISO/IEC 7810
Due to significant input from the requirements from other standards and new methods and considerations WG1 has started working on a new revision of 7810 a little early in its revision cycle. WG1 expects to send a CD out for ballot at the end of the upcoming business period.

ISO/IEC 7811-1 and 7811-2
Both standards are due for regular review and should result in a CD ballot during the upcoming business period.

10373-1
Though this standard has been published in 2006, caused by the influx of methods from other standards in correlation with the restructuring of the physical requirements for cards and intense development in the industry of new methods, WG1 will have to continue working on this standard during the upcoming business period and publish the results through amendments of the standard, though an early revision might be advisable.

24789-1 and -2
These two standards are related to the durability and longevity of cards and will have completed first CD ballot at the beginning of the upcoming business period.

WG1 expects the need for a second CD ballot as a result of this first one. Hence, it anticipates delivering a second CD for both documents, during the upcoming business period and possibly a FCD ballot near the end of the business period.

WG3 – MACHINE READABLE TRAVEL DOCUMENTS

Initiate Fast Track DIS balloting of the new Edition of ISO/IEC 7501-3 as short-form endorsement of the newly published Third Edition of Part 3 of ICAO Doc 9303 – Machine Readable Official Documents of Identity.

WG4 - INTEGRATED CIRCUIT CARDS WITH CONTACTS

The following standards will have the IS status before the end of the next work period:

- ISO/IEC 10373-3
- ISO/IEC 10373-8
- ISO/IEC 20060
- ISO/IEC 24727-6

WG8 - CONTACTLESS INTEGRATED CIRCUIT(S) CARDS, RELATED DEVICES AND INTERFACES

- ISO/IEC 10373-6:2001 Amd 7 Identification cards - Test methods - Part 6 - Proximity cards - Amendment 7 - Test methods for ePassport
- ISO/IEC 14443-2:2009 Amd 3   Identification cards - Contactless integrated circuit(s) cards - Proximity integrated circuit(s) cards - Part 2: Radio frequency power and signal - Amd 3: Limits of electromagnetic disturbance levels.
- ISO/IEC 14443-3:2001 Amd 5   Identification cards – Contactless integrated circuit(s) cards – Proximity cards – Part 3: initialization and anticollision – Amendment 5: Activation of higher layer protocols.
- ISO/IEC 14443-3:2009 - Amd 4 Identification cards - Contactless integrated circuit(s) cards - Proximity integrated circuit(s) cards - Part 3: Initialization and anticollision - Amendment 4: Electromagnetic disturbance handling.
- ISO/IEC 14443-4:2008 Amd 1   Identification cards - Contactless integrated circuit(s) cards - Proximity integrated circuit(s) cards – Part 4: Transmission Protocol - Amendment 1: Activation of higher layer protocols.

TF2 current efforts are concentrating on:

- Electromagnetic disturbances (EMD)
- Additional classes for PICCs (of any form factor)
- Multiple PICCs in a single operating field
- Very high data rates, (the three amendments above).

WG9 - OPTICAL MEMORY CARDS AND DEVICES

WG9 will be proposing at the September plenary an NP ballot for the development of a new part of ISO/IEC 10373 (tentatively Part 9) Optical memory cards – Holographic recording method. It is the intention of WG9 to request simultaneous NO and CD ballots for this document.

WG9 also has the following documents under development:

ISO/IEC 11693-2 Coexistence of optical memory with other machine readable technologies. This document is currently at FDIS stage, closing September 22nd 2009.

ISO/IEC 11695-4 Identification cards – Optical memory cards – Holographic recording method Part 4: Logical data structure. This document is currently at the CD stage; the development is on time.

All published WG9 standards are current.

WG10 - MOTOR VEHICLE DRIVER LICENCE AND RELATED DOCUMENTS

Work is continuing on two other initiatives:

- A test method for mechanisms defined in ISO/IEC 18013-3, ISO/IEC 18013-4 has passed its CD ballot.

- A corrigendum on ISO/IEC 18013-1 to reflect recent changes in European Union legislation (in particular vehicle category and driver restriction codes).

It is anticipated that the corrigendum will be completed in this period.

WG11 – APPLICATION OF BIOMETRICS TO CARDS AND PERSONAL IDENTIFICATION

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Work is continuing on ISO/IEC 24787 with the fourth CD completing in October.

3.2 STRATEGIES

WG4 - INTEGRATED CIRCUIT CARDS WITH CONTACTS

The main topics which have been identified are:

- To standardise mechanisms taking into account the business and functional requirements of different industries and enabling the issuance of new card platforms providing multi-services (eg. Mobile Payment).

- To revise published standards and expand the range of interoperable mechanisms for the management of logical data structures into the card (e.g data object), to provide developers flexibility for implementation.

- To stress the communication activities of WG4 to improve the knowledge of the standards and facilitate endorsement by users (Governments, Banks, Telecommunication Operators, Public Transport Operators, E-Commerce service providers).

- To further enhance the collaboration with application-oriented technical committees and standardisation by promoting the creation of active liaisons to avoid duplication of work or inconsistent specifications.

WG9 - OPTICAL MEMORY CARDS AND DEVICES

No additional assistance required at this time.

3.2.1 RISKS

WG1 PHYSICAL CHARACTERISTICS AND TEST METHODS FOR IDENTIFICATION CARDS

Bringing a standard about card durability in the nearer future is of high importance to the market. Delaying this too long would cause too many proprietary solutions to develop.

No other obvious risks exist.

WG4 - INTEGRATED CIRCUIT CARDS WITH CONTACTS

To cope with market requirements implies a substantial effort to upgrade the existing standards requiring resources not available in WG4.

The lifecycle of the standard process is longer than lifecycle of the technology.

The multiplicity of standardisation initiatives makes it difficult the cross-sector approach of WG4.

Technical complexity of new standards might impair adoption.

WG9 - OPTICAL MEMORY CARDS AND DEVICES

None known to WG9 at this time.

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WG10 - MOTOR VEHICLE DRIVER LICENCE AND RELATED DOCUMENTS

No immediate risks are known at this time.

3.2.2 OPPORTUNITIES

WG1 PHYSICAL CHARACTERISTICS AND TEST METHODS FOR IDENTIFICATION CARDS

Consolidating the physical requirements and corresponding test methods into the Identification Cards base standard 7810 and the corresponding test method standard 10373-1 provides a good chance to create a comprehensive physical base standard, thus easing use of the family of standards about Identification Cards.

WG1 has a unique collection of experts on durability issues in the card industry now. Bringing out usable standards now could be of massive benefit to the market and also to establish SC17 and WG1 as competencies in this area.

WG4 - INTEGRATED CIRCUIT CARDS WITH CONTACTS

WG4 provides the industry with a set of standards that enable the complete specification and test of smart card based solutions.

The card security architecture and mechanisms defined by ISO/IEC 7816 are increasingly adopted by different industries.

Adoptions of WG4 standards facilitate business arrangements between industries (eg, Banking and Telco) for the common offer of services (eg, Mobile Payment).

The new middleware standard ISO/IEC 24727 shall facilitate the integration of the card in service-oriented architectures (Web Services, ID Management).

WG9 - OPTICAL MEMORY CARDS AND DEVICES

WG9 anticipates that the need for secure identification, provided by optical memory for national ID programs will offer the opportunity for further standards development in this

WG10 - MOTOR VEHICLE DRIVER LICENCE AND RELATED DOCUMENTS

The recent publication of ISO/IEC 18013-2 is seen as an ideal opportunity to increase the awareness of driver license administrators worldwide about the benefits that can be derived from ISO/IEC 18013. Actions are under way to distribute related material to driver license administrators.

3.3 WORK PROGRAMME PRIORITIES

WG1 PHYSICAL CHARACTERISTICS AND TEST METHODS FOR IDENTIFICATION CARDS

During the next business period WG1 will primarily focus on two objectives:

- finalising the standards on Card Durability
- Amending and updating the physical base standard as well as the related test method standard through incorporating the amendments and working on additional test methods.

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WG3 – MACHINE READABLE TRAVEL DOCUMENTS

- Initiate Fast Track DIS balloting of the new Edition of ISO/IEC 7501-3 as short-form endorsement of the newly published Third Edition of Part 3 of ICAO Doc 9303 – Machine Readable Official Documents of Identity
- Assist ICAO and its Working Groups advance the work of the MRTD Programme;
- Successfully assist ICAO publish a Multi-Part technical Report defining a Test Methodology for Machine Readable Travel Documents.

WG4 - INTEGRATED CIRCUIT CARDS WITH CONTACTS

The main priorities for 2009/2010 are:

- Collect the market and technological trends of the smart card industry for the revision of ISO/IEC 7816-4 and ISO/IEC 7816-8.

- Publish ISO/IEC 24727-5 (tests).

- Publish a complete set of testing-oriented standards including USB cards.

- To consolidate the draft of the new ISO/IEC 12905 ensuring back compatibility with existing CEN standards.

- Progress on the amendments for ISO/IEC 24727 parts 1 to 4.

- Progress on the revision of 7816-4 by clarifying some existing points and introducing new concepts (eg. Data object management).

WG8 - CONTACTLESS INTEGRATED CIRCUIT(S) CARDS, RELATED DEVICES AND INTERFACES

In addition to the work outlined as the focus for next year, TF 2 is considering the following:

- **Electromagnetic disturbances (EMD)** Two working drafts for amendments to 14443-3 and 10373-6 are currently in discussion. Those are expected to be balloted as CD by mid 2009.
- **Additional classes for PICCs (of any form factor)** Different form factors of PICCs intended to run the 14443 interface will lead to antenna dimensions other than the "Class 1" antenna defined in the 2nd edition of ISO/IEC 14443-1 so that a careful consideration of changing field parameters has to be investigated. There are contributions on this available, but not yet any working draft.
- **Multiple PICCs in a single operating field** Due to much effort in the last 12 months on the commenting of 14443- 2 and 14443-3, there hadn't been sufficient time to pursue that work item further. No contribution has been submitted. It is expected that the involved industries will provide further input on this topic in the next few months.
- **Very high data rates** Principally same statement as given for the multiple PICCs issue.

WG9 - OPTICAL MEMORY CARDS AND DEVICES

WG9 priorities will include maintenance of the current portfolio of standards and development of new standards as necessary to support emerging market needs

WG10 - MOTOR VEHICLE DRIVER LICENCE AND RELATED DOCUMENTS

BUSINESS PLAN FOR JTC1/SC17 CARDS AND PERSONAL IDENTIFICATION

The priorities of WG10 for the next year are as follow:

- Complete a corrigendum on ISO/IEC 18013-1 to reflect recent changes in European Union legislation (in particular vehicle category and driver restriction codes.
- Complete work on test methods for mechanisms defined in ISO/IEC 18013-3, ISO/IEC 18013-4.

WG11 – APPLICATION OF BIOMETRICS TO CARDS AND PERSONAL IDENTIFICATION

ISO/IEC 24787 –Identification cards – On-card biometric comparison is planed to complete in 2010. If there are no further work items approved by March 2010 than it is expected that WG11 will be closed down.