

Minutes of third meeting of TF4

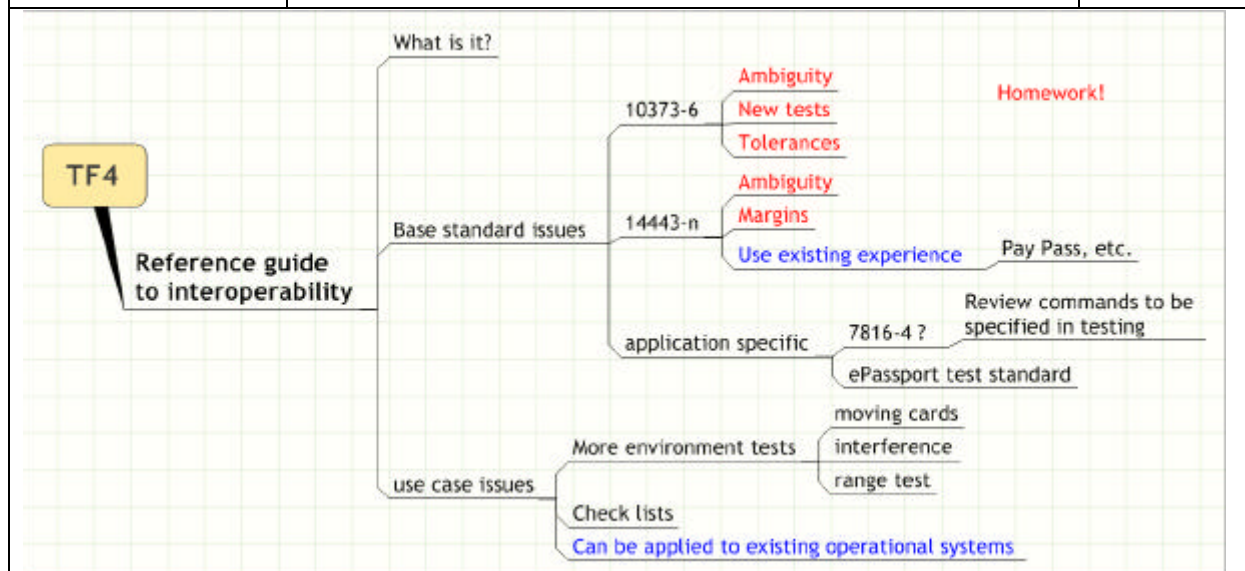
Date: 4th,5th April 2006
 Venue: Arsenal Research Vienna, Austria

Those present:

Name	Company	Country
Francis Christian	FC Consulting	USA
Chris Stanford	CJS Consultancy	UK
Colin Tanner	Consult Hyperion	UK
Peter Raggam	Infineon	Austria
Pascal Roux	ACS	France
Reinhard Meindl	Philips	Austria
Alan McHale	RFI Global	UK
David Main	Visa	Liaison
Mark Kamers	MasterCard	Liaison
Franz Huber	Arsenal research	Austria
Mickey Cohen	Shanit	Israel
Stefan Barbu	Axalto	France
Michael Hegenbarth	Bundesdruckerei	Germany
Walt Bonneau	Cubic	USA
David Dressen	Atmel	USA
Brian Beech	DataCard	USA
Marty Frary	Assa Aboly ITG	USA
Jean Paul Carlina	Gemplus	FR
Christophe Cataldo	STM	FR
Moshe Cohen	OTI	IL
Hemy Itay	OTI	IL
Renke Bienert	Philips	Germany
Junichi Okamoto	Sharp	Japan
Hiroshi Karibe	JICSAP	Japan
Junichi Sakaki	WG3 Liaison	Japan
Wolfgang Meindl	Infineon	Germany
Franz Huber	Arsenal	Austria
Kalus Finkenzeller	G&D	Germany
Sandra Magiera	Austria Card	Aust
Matej Bencek	Austria card	Aust

<i>Item</i>	<i>Discussion</i>	<i>Action</i>
Apologies for absence:	None received	
Approval of previous minutes:	Approved as is with the following amendments: Bundesdruckerei spelt incorrectly Remove Franz from action list on ITEM 11	
Approval of agenda:	Approved as proposed	
Chair, secretary, project editor: Respectively	Francis Christian, Chris Stanford and Colin Tanner	

Item	Discussion	Action
Discussion		
1.	<p>Actions from previous meeting: All complete except item 11 that was wrongly assigned to Franz by the secretary. This action is carried forward here.</p> <p>Stefan agreed to submit a more detailed version of N0012 before the next meeting.</p>	All to note Stefan
2.	<p>In order to clarify our thinking Francis initiated a debate on the meaning of “test environment” Which after much discussion concluded in agreement on the following:</p> <ol style="list-style-type: none"> A document title of “Reference Guide to Interoperability” would better suit universal understanding of the content. The items intended to trigger potential changes to base standards would be one section of the document entitled “base Standard Issues” The items included to best describe the requirements and supplementary tests, where needed would be a second section of the document entitled “Use case issues” 	
3.	<p>A wish list of subjects for inclusion (alongside those already include in the first WD) was prepared. This list and the structure described in item 2 were summarised by the following diagram which also (illustrated in red) the topics for which contributions were being sought for discussion on the second day</p>	



4.	<p>Mark indicated that a revision of the <i>PayPass</i>® reference equipment document was now available and agreed to check if he could provide this when next he could access the company server.</p>	Mark Kamers
5.	<p>A contribution (TF4N0025) from the UK was tabled by Colin. It illustrated a simple method to obtain a comparative performance measure across number of card types. Many delegates could see how it highlighted a</p>	

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	potential problem from PICC induced noise on the interface that caused intermittently failing communications. It was concluded that this problem had already been identified and that it would be a good idea to include a “noise” test. Colin pointed out that the test also highlighted other card related problems and would provide a good figure of merit test. There was some debate about the test set up used and Jean Paul showed us (see next item) a way to achieve the same kind of test using the “standardised test tools”	
6.	Jean Paul presented (TF4N0027) as an example of a similar test to Colin’s using standardised test tools and identified similar problems.	
7.	Although not unanimously agreed there does seem to be potential merit in such a test as illustrated by TF4N0025 and 0027 and a placeholder section will be left in the WD subject to further contributions.	All to contribute
8.	A <i>PayPass</i> ® test PCD and PICC were shown to the delegates and the point was made that the ISO test tools/tests do not support smaller form factor antenna as is the requirement from <i>PayPass</i> ®. All delegates are to consider whether additions to the 10373 toolkit and tests should be made to cover smaller form factor antennae.	All to contribute
9.	Moshe tabled a contribution from Israel regarding the addition of an optional low level command that enabled loop-back testing (TF4N0026). Mark stressed the usefulness of such a command in both contact and contactless card environments (indeed in most embedded systems comms testing) This subject is open for further debate and contributions especially when considering the impact on existing silicon designs that may not be microprocessor based.	All to contribute
10.	The working draft (TF4N0020) and submitted comments were then discussed. The editor took notes of the detailed changes as they were resolved. In particular it was noted that annex C of the WD (with a pass/fail/ignored column added) should form part of the base standard. However they would be retained in this document and be removed once incorporated into a published base standard. This general rule would apply to all such similar situations.	Colin
11.	The comments from Israel (TF4N0023) were tabled by Mickey and resolved as noted in document TF4N0023...resolved.doc	
12.	The comments from Japan (TF4N0024) were tabled by Junichi and resolved as noted by the editor	
13.	Junichi also presented some results from ePassport testing which showed some significant differences in PICC resonant frequency that seemed to be related to communications failure. This prompted an inconclusive debate on the need for a resonant frequency test. Contributions on this subject were called for.	All to note
14.	David Dressen presented a comparison of definitions across the published parts of the base 14443 standard	All to note

**ISO/IEC JTC1/SC17/WG8/TF4 N0032
INICTS B10.5N06-113**

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	(TF4N029) and suggested some improvements were required to cope with ambiguities / margins . All were invited to comment.	
15.	A contribution of suggested changes to the WD was presented by Austria/Germany technical experts (TF4N0030) and will be assimilated into a new version of the WD by the editor	
16.	A contribution on noise testing of the data signal interface (WD clause 9.2) will be prepared by the experts responsible for item 15 for delivery by the end of June	Reinhardt
17.	A contribution on sideband testing (WD clause 9.4) will be prepared by the experts responsible for item 15 for delivery by the end of June	Reinhardt
18.	Colin to produce a second working draft at least 3 weeks before the next meeting	Colin
Date of next meeting	The #4 WG8/TF4 meeting will be held the 7 th and 8 th August 2006 Washington DC USA the #5 meeting is planned for the 4 th and 5 th December Location TBD	Francis / CJS
Circulation	Those present + WG8 convener	