

# MEETING MINUTES

for April 21, 2009, The Palace Hotel, San Francisco

## MEMBERS PRESENT

NAME	COMPANY	EMAIL ADDRESS
Jean Lusetti (by phone)	Gemalto	<a href="mailto:Jean.Lusetti@gemalto.com">Jean.Lusetti@gemalto.com</a>
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## MINUTES

The meeting began at 7:00 with a brief self-introduction of each participant.

### 1. Administrative

#### 1.1. Financial Report

Current account balance and income from membership fees and test card sales was briefly discussed. A detailed report for the 1<sup>st</sup> quarter 2009 will be posted at the website by end of April.

#### 1.2. Non-Profit Status

The Administration is currently seeking legal assistance for the application for non-profit status. The IRS informed us that as a non-profit organization the PC/SC Workgroup cannot charge a fee for test card loaner sets to non-members. One option is to create a separate level of membership for loaner set customers (see also 9.1 below).

#### 1.3. Recent Web Site Updates

New website features were briefly introduced by the administration. The website update includes the following:

- Downloadable code samples in the member area.

Action items:

What: Administration will continue preparing the code area, a plan for posting and reviewing process and will circulate the plan to be reviewed by the members.

Who: Administration

When: May 2009

## 2. EMV Mode

Marc Jacquinot gave an overview of the Omnikey proposal. The group suggested to extending the feature list instead of using the IOCTL "3401" command. It was seen as a clean start that would not only provide the ability to set ISO or EMV mode but to also query the current setting and to provide for future expansion, for example, queries about voltage. The command set would be encapsulated in a TLV structure.

It was agreed that any changes should involve the reader or the driver but not the Resource Manager.

There was a discussion on how to handle situations after an application crash or power loss; should the reader revert to default power-up mode (ISO or EMV) or to the mode that was active at the time of the power loss. Different manufacturers/products have different needs. This should be addressed in the specifications.

The group suggested to documenting this feature as an extension to Part 10. Calai Bhoopathi noted that there are class 1 readers with no display or pinpad.

Action items:

What: Short draft proposal on handling query and set feature commands.

Who: Marc Jacquinot, Omnikey.

When: Beginning of May 2009

## 3. Support for Linux/Unix platforms

Not discussed due to time constraints.

## 4. Card Identifiers, Revisions to Part 3

This concerns assigning new card identifiers to ISO14443 Type B Atmel products. This was an emailed request from Atmel Corporation. The group agreed to extend the card identifier list of Part 3.

Action items:

What: Assign new card identifiers in Part 3, send to group for review, publish on website.

Who: PC/SC Administration.

When: Beginning of May 2009

## 5. Compatibility Issues in Part 10

The group asked Gemalto to revert to the earlier command structure and eliminate two extra parameters timeout and length.

### Action items:

What: Gemalto to send updated proposal to the group

Who: Jean Lusetti, Gemalto.

When: Within 2 weeks

## 6. IFDTest2 Update

Harm Braams reported that specifications for IFDTest2 currently do not cover certain situations with incomplete or incorrectly formatted APDUs. Some tests were meant to only work with specific cards. For example, if a T=1 card is presented, the structure is retrieved. If a T=0 card is presented, there will be a timeout, because the card does not return anything. It was suggested to add detail to the documentation on Microsoft's website.

In an email from April 20, 2009, Xiring proposes that IFDTest include tests for secure PIN entry features.

Workgroup members are asked to make suggestions and to report any discrepancies.

### Action items:

What: Add text to the Microsoft website

Who: Microsoft

When: (date from Microsoft)

## 7. Update Current Specification to Reflect Current Standards

Harm Braams reported that updates to ISO7816-3, ISO7816-4, CCID, EMV have not been reflected in the Specifications. The ISO standards are referenced throughout the specifications, CCID is mentioned only in Part 10.

Several options exist to make the PC/SC Specifications current with evolving standards:

1. Update specifications to indicate which version of a standard is used
2. Update the specifications to be compliant with the latest set of ISO and other standards
3. Create an addendum (Application Note) that indicates for each reference the version of the standard used

Option 2 was seen as a major task that would require active participation of several members. The group favored option 3, since it does not involve any changes to existing specifications and does not create new version numbers.

The Application Note could also include sections on “best practices” for implementation as well as other information such as revision notes.

Action items:

What: Write draft Application Note, circulate to members for input and comments

Who: PC/SC Administration

When: May/June 2009

## **8. SDK for the PC/SC API**

Omnikay had submitted a proposal (mail from April 17, 2009) with the long-term goal of creating a PC/SC reference implementation. The group, as in earlier discussions, is leaning towards a set of code samples that addresses certain sections of the specs but does not necessarily cover the complete PC/SC command set. See also emailed comments from Xiring from April 20, 2009. Members are invited to provide code samples, but are not expected to provide maintenance of the code; this could be done by a third-party.

What: Define the requirements for creating and maintaining code samples, circulate plan to be reviewed by the members.

Who: Administration

When: May 2009

## **9. Other Business**

### **9.1. New Membership Level**

There is a need for a new PC/SC participant status which would include loaner set customers (see item 1.2 above) and individual or corporate members of Open Source initiatives such as MuscleCard.com. A reduced/dropped membership fee might make participation of these individuals more likely.

Jean Lusetti suggested to creating a new mailing list which would allow these members to participate in the review process and suggest updates (mail from April 3, 2009). The participation could be limited to allow access to select portions of the specs. The membership agreement needs to have legal provisions so that it can be signed by corporations as well as individuals.

Action items:

What: Prepare a draft plan for new membership status, have it reviewed by a legal expert, circulate plan to be reviewed by the members.

Who: Administration.

When: May-July 2009

## **9.2. Language Codes**

The group discussed the use of a standardized set of language codes. Different lists are available, among them ISO 637/639 (Microsoft), the USB organization, RFC 3306. Common is the use a two byte identifier. The members are asked if PC/SC should include specifications for language codes.

The next Member Forum will be held during the Cartes show in Paris, November 17, 2009. Date and location will be mailed when it becomes available.

The meeting adjourned at 10:30 pm.

Members: Please review the Meeting Minutes, and inform the Workgroup Administration of any inaccuracies within 10 days of receiving them. When no inaccuracies are found, the Minutes will be viewed as having been accepted by the membership.

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