

# MEETING MINUTES

for May 3, 2006, Palace Hotel, San Francisco

## MEMBERS PRESENT

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## MINUTES

The meeting began at 5:30 pm.

### 1. NEW TEST CARDS & LOANER SET FROM MICROSOFT

#### Current Status

The chairman, Shivaram Mysore from Microsoft, opened the session with a status report on the new test kit. The kit contains 2 cards from Athena, 2 from Infineon, and 1 from Axalto. The Workgroup has received approx. 850 of each card. Out of these 850 decks, 400 will be made available for purchase, and the remainder will be used for the loaner program. Initial analysis has shown that companies plan to purchase up to three decks.

#### Pricing and Availability

Purchase: Members pay \$1000 for one deck of cards. Non-members pay \$3000 for the first deck of cards, which includes \$2000 for the first year membership fee and \$1000 for any additional decks provided they are members in good standing. The intent is to

increase membership and active participation in the Workgroup's standards-setting efforts.

Loaner: The fee for the loaner kit is \$500 and requires a deposit of \$5000. The loan period is 4 weeks.

According to Microsoft, the new SDK Beta 2 will be available "shortly". At that point the new test card program can go live.

The PC/SC website will be updated accordingly to reflect the new pricing, any changes to terms and conditions, and links to the new WHQL SDK.

### **Other**

Testing of USB devices was discussed:

- Availability of an adapter that allows testing of the five card set. Proprietary solutions exist.
- Card detect on USB device according to PC/SC.
- Why do they need to get certified?

## **2. BIOMETRIC DEVICE**

- How can biometric devices be used within the PC/SC architecture?

## **3. PART 10 REVISIONS**

- Extensions to Part 10 to allow applications to display variable strings during secure PIN entry.

The combined discussion of items 2 and 3 were as follows: Microsoft reiterated that they are open to changes in the Resource Manager. Match on card has higher priority than match on server.

Is biometric device used to authenticate a smart card, i.e. as a replacement for a pinpad? If so, it will be supported, everything else is considered out of scope for now. Part 10 needs changes to treat biometric device specific strings. Uwe Schnabel from Omnikey offered to make a first proposal. It should be available within 6 weeks (end of June).

PIN-related issues:

- There are possibly different PINs from different applications, to sign email or to access SSL pages, for example.
- PIN entry not restricted to numbers, must support alphanumeric characters.
- Minimum/maximum PIN length set by policy.
- Do not process in keyboard readers because of locale issues.

Microsoft asked if Part 10 could be enhanced to allow for display of logos and animated images, for example, a rolling thumb. The representatives of the reader manufacturers suggested keeping it limited to 2 lines with 16 characters each; this would avoid a whole

new set of problems. The card and the application are handling the PIN policy, not the reader. The reader acts as a “transparent” device.

#### **4. DEFINITION OF NEW CLASS BYTES**

- Definition of new class bytes for new synchronous cards. Some CLA bytes should also be reserved for vendor specific implementations.

This concerns class bytes for additional memory or contactless cards. Currently, customers use additional proprietary software drivers to read memory cards. A subcommittee was formed: Gemplus (Jean-Philippe Mailloux), SCM, Omnikey. Uwe Schnabel from Omnikey offered to initiate this effort. A first draft should be available within 3 weeks (end of May). It will be released as an addendum to the current spec.

Future versions of the specs may have mandatory parts and recommended parts, such as for memory cards.

Memory cards, form factors, and their meaning for PC/SC compliance were identified as agenda items for a future meeting.

#### **5. RESOURCE MANAGER**

- Changes to Resource Manager are needed to support multi-application cards.

It was noted that new standards for multi-application cards are emerging in the form of ISO 7816 Part 13.2. Once these specs are published, PC/SC should adapt quickly.

Areas concerned are:

- Application ID
- Default application
- Global application database

The question came up if the Resource Manager should be a reader manager.

Have Resource Manager maintain a counter or some mechanism to keep track of multi-application cards, in case some other application is doing something else, reset the card.

A PC/SC subcommittee that included Gemplus, among others, has previously worked on multi-application cards and recommended changes to the Resource Manager. Microsoft tabled the proposal at the time. A copy of the documents will be sent to the group.

#### **6. OTHER BUSINESS**

- Other topics for subsequent releases, i.e. NFC (near field communication).

NFC, a topic for PC/SC 3.0? Healthcare and transportation are the primary users of contactless technology. The question came up if PC/SC is the right vehicle for NFC. Shivaram took up the action item to find out what NFC is or could be within PC/SC.

- Other standards, such as EMV.

Possibly have a GetMode/SetMode command to get or set the reader in EMV mode under PC/SC. Currently this is done with proprietary commands, according to Omnikey and SCM.

In his closing remarks, Shivaram reiterated that this is the time to get proposals to Microsoft.

The meeting adjourned at 8:30 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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