

# MEETING MINUTES

November 4, 2014, Hyatt Madeleine, Paris

## MEMBERS PRESENT

NAME	COMPANY
Uwe Schnabel	HID Global
Daniel Huebner	NXP Semiconductors
Vincent Becu	NXP Semiconductors
Harm Braams	Vasco Data Security
Uli Dreifuerst	PC/SC Administration

Torsten Maykranz from Identiv was unable to attend.

## MINUTES

The meeting began at 7:15 pm.

### 1 Administrative

#### 1.1 Financial report

The financial report for the third quarter can be viewed in the member section on the PC/SC website. Current account balance at the end of September was \$17,676.84. Workgroup budget for 2014 remains similar to previous years.

#### 1.2 Test Card Sales

The figures for test card sales for 2013/2014 were presented. Q4 2013 included one test card set version 2.0 and one loaner set, totaling \$1500. Expenses for shipping, merchant, bank, and accounting fees totaled \$440.92. From January to September 2014, five test card sets were sold, totaling \$5000 with expenses at \$706.16.

#### 1.3 Organizational

Uwe Schnabel from HID Global was confirmed as chairman for another year.

## 1.4 Status of Past Activities

Action items that have been closed since the last meeting were reviewed. Please refer to the previous meeting minutes for details.

### 1.4.1 Support for PC/SC in new Windows versions

It was noted that Windows RT did not receive wide-spread support in the marketplace. Therefore, this topic was closed. Support for Android was discussed in item 4 below.

### 1.4.2 Update for Part 10 Supplement

Status: closed

### 1.4.3 Floating PIN Frames

Status: ongoing, see item 2 below

### 1.4.4 Part 3, Supplemental Document 2 – NFC devices

Status: see item 4 below

### 1.4.5 Part 10, Pinpad Readers with Firewall

Status: ongoing, see below

### 1.4.6 Part 10, Language Indicator

Status: send to group for review and publish

## 2 Part 10 Floating PIN Frames

(See also previous meeting minutes and email agenda update from Nov. 6, 2013.)

Harm Braams from Vasco explained in detail the concept of floating PIN frames. He used an application to demonstrate the effect of varying parameters on the resulting APDU that is sent to the card.

Following steps were defined to implement this proposal:

1. Harm to provide an updated text with some of the options removed or simplified. This text shall be incorporated in Part 10. Additional information including code samples shall be provided as appendix to Part 10.
2. The Workgroup will review the proposal. A separate email list will be provided for discussion among interested members.  
If you wish to receive more information about the proposal or to join the special email list, please contact the administration.
3. After review and acceptance of the proposal by the Workgroup, the USB standards organization will be notified about this feature. It is also planned to have an entry added to the ISO 7816.4 list of error codes 63.xx. When an application receives this error code, additional information can be retrieved from the APDU.

#### Action items:

What: Set up email list

Who: Administration

When: 11/14/2014

What: Send updated text to group

Who: Vasco

When: to be determined

What: Contact ISO regarding error code

Who: HID

When: to be determined

### **3 Part 10, Pinpad Readers with Firewall**

Continuing discussion of a proposal from Ludovic Rousseau that asks for an additional entry to the table FEATURE\_GET\_TLV\_PROPERTIES. The group determined that additional commands may be required, for example, PIN presented wrong, how many PIN tries left, among others. The Workgroup sees the need to enter into a more detailed discussion with Ludovic Rousseau.

Action items:

What: Collect further information and exchange notes

Who: Vasco and HID

When: tbd

What: HID to contact Ludovic Rousseau

Who: HID

When: tbd

### **4 Support for Android**

The concepts of Android are different from PC/SC. Among others, the programming language is Java as compared to C. The question was asked if PC/SC should develop a concept for a recommended application design. NXP will talk to Google, get a touch point, and inquire on Google's plans for smart card support.

Action items:

What: Inquire PC/SC support with Google

Who: NXP

When: tbd

### **5 Part 3, Supplemental Document 2 – NFC devices**

Daniel Huebner from NXP explained a concept for support of NFC tags within the PC/SC framework. Several options were discussed and the following commands identified:

- CheckNDEF – check presence of a tag

- ReadNDEF – read tag
- WriteNDEF – write tag
- FormatNDEF – format a new tag
- SetNDEFReadOnly – set tag read-only

Each command must provide meaningful return values. Synchronization code needs to be added to manage between the NFC and the PC/SC stack.

Action items:

What: Prepare text and send out for discussion

Who: NXP

When: tbd

## 6 Other Business

### 6.1 Web Conference

Over the years, PC/SC meetings have shifted to address a more technical audience. Technologists, however, do not necessarily attend trade shows such as Cartes. In an effort to reach out to all members, the Workgroup proposed a web conference which will allow members across all time zones to participate. Please mark your calendars:

Date: February 10, 2015

Time: 4 pm UTC, 5 pm CET, 11 am EST, 8 am PST

Please inform the administration if you would like to participate, need to reschedule, or would like to add your topics.

### 6.2 Shifting Focus for PC/SC

The group saw a potential need to give PC/SC a more application-specific focus. It is planned to initially start an internal exchange between the attendees before sharing the ideas with the general membership. Please contact administration if you would like to contribute to this discussion.

### 6.3 Determine If Display Is Present

A question was asked about the preferred way to determine if a display is present. PC/SC offers 4 different methods, with FEATURE\_IFD\_DISPLAY seeming to be the preferred option. Harm Braams will do some more research and report to Uwe Schnabel. The recommended solution could be added to the FAQ on the website.

# PC/SC Workgroup

The meeting adjourned at 11:15 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.

PC/SC Workgroup Administration  
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