PC/SC | Workgroup

MEETING MINUTES

November 19, 2013, Hyatt Madeleine, Paris

MEMBERS PRESENT

NAME	COMPANY
Uwe Schnabel	HID Global
Torsten Maykranz	Identive
Stefan Trautner	Identive
Harm Braams	Vasco Data Security
Uli Dreifuerst	PC/SC Administration

Gemalto and NXP notified us that they were 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 October was $14,386.00. Workgroup budget for 2013 remains similar to previous years.
Due to changes in income distribution we expect a surplus at the end of the fiscal year. Administration will work with the chairman to identify spending targets which will help reduce the tax burden.

1.2 Test Card Sales

The figures for test card sales in 2012 and 2013 were presented. In 2012, 11 test card sets version 2.0 were sold, totaling $8,900. Expenses for shipping, merchant, bank, and accounting fees totaled $3,125.91. From January to October 2013, 12 test card sets were sold, totaling $12,000 with expenses at $2855.58.

1.3 Organizational

The group asked Uwe Schnabel from HID Global to accept the rotating position of chairman for the next year.

1.4 Status of Past Activities

Action items that have been closed since the last meeting were reviewed.

2 Support for PC/SC in new Windows versions

One option would be to sign the driver with a flag, if there is dynamic content. This solution would require an applet. The group agreed that it would be nice to have a solution, but did not see a clean technical solution. Something would have to be done in the driver which would be no standard solution. The problem lies with Microsoft, but the group acknowledged that they are unlikely to change their position.

Identive will check with Microsoft on driver support for Windows 8.

All members are encouraged to share information about "legal" ways. If there is any advice from Microsoft, it should be added to the FAQ.

Action items:
What: Identive engineers to check with Microsoft

Members to provide information as it becomes available

Who: Identive, Members

When: 12/2013

2.1 Windows RT

Tags for NFC and for PKI are handled, but no other tag, such as PC/SC. Dedicated readers and cards are supported via programming. Microsoft's design decision forces vendors to go back to proprietary solutions. RT is a single user operating system, yet there may be problems with multiple applications. The group expects that even if tablet makers or NXP push the issue, it would still take a long time to reach a solution.

2.2 Android

In the context of single user systems, it was stated that the Android operating system also needed PC/SC. The Workgroup wants to keep options open for the future and keep the discussion open.

HID has developed proprietary drivers for Android. Harm Braams explained that many PC/SC levels are not used, only the Resource Manager interface. There is also a difference in programming language; PC/SC uses C, Android uses C# or Java.

The group asked Harm Braams to collect suggestions for an Android API. Uwe Schnabel will let Harm know what HID has done in that area. Harm will also check with Gemalto and others what they have done. All members are encouraged to share information.

Action items:
What: Collect information about Android API from members

Who: HID, Vasco

When: not yet available

PC/SC Workgroup

3 Part 10

3.1 Editorial Update for Part 10 Supplement

In the version history of the published document, the comment "Final Draft" should be changed to "First Version".

Action items:

What: Update document

Who: Administration

When: 11/24/2013

3.2 Floating PIN Frames

(Details are available in the email agenda update from Nov 6.)

Harm Braams from Vasco explained the concept of a floating PIN frame. It is based on PIN length and PIN frame, and SIZE and OFFSET within a PIN block. The concept is flexible and allows a variable maximum length.

Since the concept is difficult to understand, Harm used an application to provide a visual demonstration.

The group agreed that floating frames are needed because cards exist that require this feature. Today, the maximum PIN length is 15 bytes; there could also be cards with 64 bytes. The total length should initially not exceed 256 bytes (part 1), but the proposal should also be future-proof (part 2).

The group discussed how this proposal would fit in CCID - the second part does, the first part does not; the total length would then exceed 256 bytes. The area is not well defined in CCID and not at all in PC/SC.

The group asked Harm to provide a detailed proposal for part 1 and part 2.

Action items:

What: Send slides to group

Who: Vasco / Administration

When: 11/29/2013

What: Send detailed proposal to group

Who: Vasco

When: not yet available

4 Part 3, Supplemental Document 2 – NFC devices

The item was not discussed due to the absence of NXP.

5 Part 10, Pinpad Readers with Firewall

This proposal from Ludovic Rousseau asks for an additional entry to the table FEATURE_GET_TLV_PROPERTIES. The table currently ends at 0X0C. The group identified the need to check the return values against ISO 7816.4 for conflicts. The command could possibly come from the card and not from the reader.

Part 10 is based on the ISO 7816 version from 2005; in the meantime a new version has been released that is about 250 pages larger. The error code could already be in use. What is needed is a return code that is not and will never be used by ISO 7816. In other words, ISO 7816 needs to approve this code as sort of a return on behalf of a card.

Uwe Schnabel will ask his contact at ISO for the official procedure to reserve a return code.

Action items:

What: Contact ISO for return code procedure

Who: HID

When: 12/2013

6   Part 10, Language Indicator

(Details are available in the email agenda update from Nov 6.)

This proposal from Harm Braams asks for an additional entry to the table FEATURE_GET_TLV_PROPERTIES to be used as a language indicator. This is an optional command with a possible return "feature not supported". The language IDs from CCID or USB should be used.

For this proposal, the next available code 0X0D in table FEATURE_GET_TLV_ PROPERTIES will be reserved.

Action items:

What: Formalize proposal and send out for review

Who: Vasco

When: 12/2013

The meeting adjourned at 11:00 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

admin@pcscworkgroup.com