PC/SC Workgroup

MEETING MINUTES

for June 3, 2011, Oracle, Redwood Shores, California

MEMBERS PRESENT

NAME	COMPANY
Michael Bender	Oracle
Calai Bhoopathi	SCM Microsystems
Michael Hutchinson	Gemalto
Abu Ismail	NXP Semiconductor
Lokesh Johri	SMSC
Sylvain Prevost	HID Global
Uli Dreifuerst	PC/SC Administration

PC/SC Workgroup

MINUTES

The meeting began at 10:20 am. Michael Hutchinson of Gemalto joined via teleconference.

1   Administrative

1.1   New members, changes

It was noted that one company joined the workgroup in the 1st quarter of 2011.

1.2   Financial report

Financial report for the first quarter can be viewed on the PC/SC website. Current account balance at the end of March was $10,149.33. Current account balance at the time of the meeting was $20,161. Workgroup budget for 2011 remains similar to previous years, with income covering expenses.

2   Adding New Tag to FEATURE_GET_TVL_PROPERTIES

The topic was not discussed.

3   Part 3, Supplemental Document

Proposal submitted by HID. Sylvain Prevost explained the need to extend table 2.1.2.2. for identification of low-frequency (LF) cards (128 KHz). HID will add a note defining the types of low-frequency cards. HID will also put together a list of different types of cards that are currently available in the market.

Michael Bender suggested adding as much information as possible.

The group discussed what range of two-byte identifiers to use for LF cards. Abu Ismail suggested a range at the tail end of the table. In the end it was noted that it doesn't matter much where the range for LF starts, since there are cards that have multiple interfaces; low-frequency, high-frequency, contact and contactless. PC/SC currently checks only for one. It was also noted that readers can toggle CID 1, 2, or 3 to talk to different slots. Reader can be dynamically added or removed, such as USB readers.

The group agreed that support of multiple cards is an important topic for the future and wants to discuss this in more detail at the next meeting.

Changes to the proposal:

- Remove LF 00 01 from proposal.
- Add footnote explaining low-frequency cards.

Action items:
What: Admin to update spec header (company names and dates) and send template to Sylvain. Proposal to be updated and sent to group for final review.

Who: HID
When: By mid-June, 2011

4   Extension to Part 10 (GET_FEATURE_REQUEST)

Part 10 to be submitted by HID. The group accepted adding paragraph 2.3 regarding PACE (password authenticated connection establishment). PACE deals with PIN verification for contactless smart cards and is a national standard in Germany.

Action items:
What: Change typo 21 to 7F on page 2. Update header/copyrights and send to group for final review.
Who: HID
When: By mid-June

5   IFDtest2 Update

Since Microsoft has not shown any interest in expanding the current IFDTest suite, the group suggested providing a separate test suite which would complement the WHQL test in those areas that concern PC/SC, namely part D. Administration will provide test cards to SCM, and SCM in turn will develop a proof of concept and make a proposal for a test program. The source code of the test program would be public. The test however would have to run over a web site or in form of a signed executable as safeguard against false submissions. Revenues of the test program would benefit the PC/SC Workgroup.

Abu Ismail noted that reader manufacturers should be urged to perform the test as proof of their compliance with Part 3, Supplemental Document 2. Michael Bender suggested adding a test for RDP (remote desktop protocol).

Action items:
What: Admin to supply test cards to SCM. SCM do a proof of concept and submit a proposal.
Who: SCM
When: July 2011

6   Part 3, Supplement 2 – NFC Devices

Abu Ismail presented an overview of the capabilities of NFC and its support in readers. For example, showing a card to a reader can open a web site. The group agreed that NXP will update the supplement 2 document to support NFC for m-type devices(?).

Action items:
What: Update Part 3, Supplement 2.
Who: NXP
When: Before next meeting

7   PC/SC Workgroup Position on Patent and IP

Question asked by NXP about limited copyrights to publish standards. Since no lawyers were present, it was suggested to send the adopters' agreement and the core member

agreement to the legal experts of the interested parties, invite their comments and ask them to suggest changes to the legal language where necessary.

<u>Action items:</u>
What: Send existing legal documents to NXP, SMSC, HID.
Who: Admin
When: Mid-June

8 Workgroup Email Communication

8.1 Operation of mailing lists

The members raised concerns about the operation of the mailing list. It is not well known that the list is not moderated by the administrator and that in fact every list member can send messages to the list. In order to send a message to the list, you need to manually add the list name (for example, pcsctech@pcscworkgroup,com) to the address field, even if you hit reply or reply all to a message from the list.

(Note from admin – after the meeting we were able to adjust list mail settings as follows: "reply" answers only to the sender of the mail, "reply all" answers to the list itself, i.e. to all list members.)

It was also requested to have a searchable archive.

<u>Action items:</u>
What: Change reply all behavior of mailing list. Remove duplicates from the various PC/SC mailing lists. Investigate in searchable archive.
Who: Admin
When: End of June

8.2 Public review of Specifications prior to publishing

The group agreed to not offer a public review period. Review and comment of the specs prior to publishing shall remain the privilege of paying members. It was suggested though to invite comments via web form where visitors can indicate what concern they have about what part of the specs, provide contact information, etc. The form would be prominently displayed at the PC/SC home page or download page.

<u>Action items:</u>
What: Develop comment form, update web site.
Who: Admin
When: July

9 Amendment 1 to Part 3

This Proposal from HID deals with a "standardized" way of sending vendor-specific, proprietary commands to a reader (section 3.2.2.1.11, part 3, amendment 1). Abu Ismail suggested adding language that urges the implementer to always follow the standards. Michael Bender cautioned that proprietary commands can break applications. If a user switches the reader, he still wants his application to work.

The group agreed in principal to the proposal but wants to add a disclaimer stating that if any command of the specs supports the needed function, that command must be used. The proprietary "back door" function cannot be used to replace generic commands. Failure to do so renders the product in non-compliance with PC/SC.

The goal is for each command that starts as proprietary to eventually incorporate into the specs.

HID will update the proposal. The INS byte is TBD. On the lighter side, it was noted that this command provides an "escape route and locks the back door".

There were no other comments about the rest of the proposed part 10 supplement. The section in dispute could be removed initially to allow for timely publication of the specs and then added later.

Action items:
What: Update proposal.
Who: HID
When: June

10 Other Business

The group asked Administration to hire a technical writer and incorporate the supplements and amendments into the main documents. HID will provide review.

Action items:
What: Combine specs.
Who: Admin, HID
When: July, August

The meeting adjourned at 2:30 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.

PC/SC Workgroup Administration

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