PC/SC Workgroup

MEETING MINUTES
for November 7, 2006, Hyatt Regency Paris - Madeleine

MEMBERS PRESENT

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Uli Dreifuerst	PC/SC Administration	admin@pcscworkgroup.com

MINUTES

The meeting began at 7:20 pm.

1. NEW TEST CARDS & LOANER SETS

Current Status

Uli Dreifuerst (Administration) reported that to date 25 new test kits have been sold to 15 companies, 10 of those were not Workgroup members yet.

New Associate Members

Until now, applications for PC/SC membership required approval by the core membership. According to the new policy for first time test card customers, their purchase includes first year membership. This renders the former policy obsolete.

Testing of USB Devices

This concerns availability of an adapter that allows testing of the five card set. Since no suitable devices have been identified, Uwe Schnabel (Omnikey) will address this issue with Shivaram Mysore (Microsoft) again.

Issues with New Test Cards

Shivaram asked that issues with the new test cards be reported to Microsoft.

2. PART 10 REVISIONS

Display

Several issues were raised regarding number of lines and characters for reader displays.

- Most favor a minimum of 2 lines and 16 characters (2x16) display.
- Mastercard's Chip Authentication Program (CAP) requires a 2x12 display.
- How to determine the number of available lines and characters? Some devices return an error once the maximum number has been reached. It was suggested that the reader should return capabilities instead of an error.
- The minimum number of characters could be as low as 4.
- Display localization, for example, for non-western languages, is a different issue altogether, that needs to be addressed.

Uwe Schnabel (Omnikey) suggested to rely on generic cases, leaving it completely open would lead to readers not being interoperable.

All members are asked to submit proposals, please email to the tech mailing list (pcsctech@pcscworkgroup.com) within the next 2 weeks. After an additional week for review, a conference call will be scheduled in the first week of December. We will check with the participants to set a time that works across the various time zones.

Definition of New Class Bytes, Proposal from Kobil

To be addressed during the conference call.

Near Field Communication

- Similar requirements exist for a peer to peer infrastructure using infrared, meeting protocol to be forwarded to Microsoft.
- The question was raised, how to act when two people walk up to reader, who is first.

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Biometric Devices

- The ISO subcommittee SC37 is currently defining a hardware interface. No final specs are available yet, it was recommended that PC/SC synchronizes with ISO.

- Question: how to identify multiple biometric readers if the one standard is not the right one. Also, what if fingerprint reader is used by itself, without smart card. Key question is, how can I trust this device.

- IEEE 1667 (Standard Protocol for Authentication in Host Attachments of Transient Storage Devices) deals with host authentication, certification checking. How to deal with certificate revocation with a biometric device?

- National ID uses "match on card", same as has been required for family PC. New feature available: "match on module".

Part 10 Revisions

There are about 200 strings stored in the reader, up to 100 per application. The driver should use a message list instead. Jean Lusetti (Gemalto) will send out a proposal for a message list.

Windows Logo Program for SIM Cards

Shivaram to propose program handling of SIM cards in addition to smart cards. SIM cards use same hardware as smart cards, i.e. same voltage, contacts, etc.

EMV Mode

It was discussed how to handle switching from GDPU to ADPU mode. The reader cannot be aware of the card type, the application should know the EMV mode. This is an issue for EMV rather than PC/SC. Shivaram to forward a request to the Mastercard EMV group to enhance their specs.

3. RESOURCE MANAGER CHANGES

According to Shivaram, an update should available in 3-4 months time. Vista no longer supports kernel mode drivers, all drivers run in user mode. Most drivers should work fine, but this needs to be verified.

4. MULTI-APPLICATION

Multi-application has been dealt with in the former Specifications 2.0. The group needs to take a new look at this issue. Among the questions:
- Anti-collision issues for smart cards with the same API.
- How to handle file-based / multi-application cards, which application to open, use PIN or biometric device, two- or three-factor authentication.
- How to achieve interoperability between various national standards.

5. OTHER BUSINESS

Identification Cards

- The ISO standard 24272 deals with identification cards, specifically programming interfaces. Subcommittee SC17-W64 works on new proposals. In this context it was suggested to keep the driver simple and put the logic into the application level.

- GIXsel is a consortium operating in France and Germany, to solve smart card middleware problems.

Administrative

The financial reports (quarterly, annual) can be viewed at the web site pcscworkgroup.com under Member Activities, Financial Reports (logon required).

Summary of Topics for the Conference Call
- Part 10 Revisions
- Class Bytes
- Resource Manager, Multi-application
- Biometric devices

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.

Uli Dreifuerst

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