

Hardcopy Workgroup conference call

Minutes of Conference Call, May 13, 2009

Attendees:

(TCG members)

Seigo Kotani (Chair).....Fujitsu
Ryu InadaFuji Xerox
Ira McDonald.....Samsung
Amir Shahindoust.....Toshiba
Brian SmithsonRicoh
Dave WhiteheadLexmark

(TCG non-members)

Lee Farrell.....Canon
Glen PetrieEpson
Randy Turner.....Konica Minolta
Bill WagnerKonica Minolta

This meeting was organized and lead by Seigo Kotani. Unless otherwise (indicated), statements recorded in these minutes represent those made my Mr. Kotani.

Note: With permission of the TCG Board of Directors, this meeting was attended by both members and non-members of TCG. Non-members were invited to the discussion for their input and potential interest in joining TCG.

Agenda:

- Roll Call/Agenda Review/Approve Minutes of Prior Meetings
- Discussion of Steve Hanna's "Description of the TPM's capabilities and the benefits"
- Discussion of the Charter draft revising
- Discussion of the permanent chair candidates
- Adjourn

Roll Call/Agenda Review/Approve Minutes of Prior Meetings

Meeting Called to Order at 3:00 PM PDT.

Minutes from April 29 2009 conference call were approved.

Discussion of Steve Hanna's "Description of the TPM's capabilities and the benefits"

- (Brian) TPM capabilities and benefits summary was distributed on 4/30 to P2600, PWG, and HCWG mailing lists
- (Dave) what is the price of a TPM?
 - (Seigo) \$1.50~\$2.00, compared with \$50-\$60 for other HSMs
 - (Randy) price should also consider quantity; if incorporating IP into an ASIC at larger quantity, HSMs can be under \$5.00; TPM requires an LPC bus that may not be present in an HCD controller that is not based on a PC-like architecture
 - (Randy) SafeNet now provides a safe boot capability that is only recently available in its HSM; other HSM vendors are moving toward TPM-like functions in the future
- (Brian) if vendors want to get their product CC certified and make claims that rely on functions of the TPM or some other HSM, then it would be beneficial for that device to already be CC certified. There is a PP for TPMs and some TPMs have been certified against that PP. I imagine that some HSM vendors have also been certified, perhaps with standalone STs.
 - (Randy) some HSMs may also have FIPS compliance
 - (Brian) yes, and if you make claims that rely on encryption, the US government may require FIPS for your TPM or HSM
- (Dave) would use of a TPM invalidate the work we've done in IDS?
 - (Randy) TNC suite does not require a TPM. It is up to vendors to decide whether or not to use a TPM, but it is possible for an endpoint to lie about its posture.
 - (Ira) All software solutions are subject to lying endpoints.
 - (Dave) how will the market will respond to TPM versus non-TPM implementations of TNC?
- (Randy) in conversation with Steve Hanna, he said that the issues we're considering here are not limited to HCDs but apply to all non-PC platforms -- routers, set-top boxes, etc. -- maybe the HCWG is too narrow of a scope for this kind of work, and perhaps TCG is not the right
- (Bill) summarizing this discussion: TPM was designed for PCs, and there are some difficulties for using TPMs that are shared by any embedded system
 - (Brian) there are two areas of issue: TPM itself is designed for use in PCs, but the remediation issue is another issue that is related to TNC whether or not it is implemented with a TPM
 - (Randy) there is some work in IETF on remediation, and such a broadly applicable work would be limited if it was developed in TCG (due to membership fees)
 - (Ira) I don't know if IETF is going to work on something to deal with embedded system architecture
 - (Brian) I think there is also an infrastructure issue: how to get the appropriate information from manufacturers who presumably are the authority, to the health assessment validation systems, and then how to send the corrections needed for remediation, in some trustworthy fashion; this seems like something that IDS could work on because it applies not only to TNC but also to NAP and NEA

Discussion of the Charter draft revising

- Next steps for this WG
 - agree on a charter
 - find a permanent chair
 - present to the TCG BoD
- We need to submit a revised charter to BoD by end of May to get approval at June members meeting
- Any volunteers to help on this revision?
 - [none responded]
 - (Dave) is restricted to TCG members?
 - No, but intention to join is OK
- (Ira) Could we devote some part of an IDS meeting to this? that would give us more input
 - (Brian) and would allow others to participate without the commitment of directly volunteering
- Seigo will produce a revised version as soon as possible and we can discuss in two weeks

Discussion of the permanent chair candidates

- We need to select a permanent chair, must be a TCG member; volunteers?
 - [none responded]
- Let's discuss over e-mail
 - (Brian) The problem is that if we use the HCWG ML, it is limited to TCG members; should we use PWG-IDS?
 - We can send direct email to attendees of this meeting

Closing

- Next meeting is two weeks from today
- (Ryu) can we do it two hours later, for Japan?
 - [compromise, one hour later]
- Next meeting is Wednesday, May 27, at 4PM PDT / 7PM EDT / 8AM (Thursday) JST
- Meeting adjourned at 4:05 PM PDT.

These minutes were prepared by Brian Smithson.