

PWG Imaging Device Security (IDS) Working Group

April 27, 2012
Cupertino, CA
PWG F2F Meeting

Joe Murdock (Sharp Labs)

Agenda



2:15 – 2:20	Administrative Tasks
2:20 – 2:45	HCD Attributes
2:45 – 3:00	JP HCD PP
3:00 – 3:30	Log spec
3:30 – 3:45	Break
3:45 – 4:15	TNC/NEA
4:15 – 4:45	IDS Model
4:45 – 5:00	Wrap up

Administrative Tasks



- Select minute-taker
- Introductions
- IP policy statement:
"This meeting is conducted under the rules of the PWG IP policy". If you don't agree, the Computer Museum is open
- Welcome Jesse Sanchez (Intel), new IDS Secretary
- Approve Minutes from April 12 conference Call

IDS WG Officers



- IDS WG Chair
 - Joe Murdock (Sharp)

- IDS WG Secretary:
 - Jesse Sanchez

- IDS WG Document Editors:
 - HCD-ATR: Jerry Thrasher (Lexmark), Joe Murdock (Sharp)
 - HCD-TNC: Ira McDonald (Samsung)
 - IDS-Model: Joe Murdock (Sharp), Ira McDonald (Samsung), Ron Nevo (Samsung)
 - IDS-Log: Mike Sweet (Apple)
 - IDS-IAA: Joe Murdock (Sharp)

Action Items



Action Item #	Entry date	Assignee	Type	Action	Status	Disposition
81	2/3/2011	Joe Murdock	IDS-LOG	Find the user role definitions in the IA&A or schema documents and import them into the LOG document	P	look at Oauth, OPenId, XACML, SAML, DMTF, IEEE 2600, and the MIBs, for existing role definitions that we can use
92	4/6/2011	Michael Sweet	IDS-LOG	Update the rational section to higher-level statements (see 4/6/2011 minutes)	P	Check with Mike on the status of this
96	5/26/2011	Joe Murdock	IDS-Model	Expand scenarios into use cases for security-related cases	P	
112	8/4/2011	Joe Murdock	IAA	add some verbiage to the Security Considerations section about how to handle multiple negotiate security element requests; add security elements to system elements, and security ID to XSSL elements	P	
116	8/25/2011	Joe Murdock / Ira McDonald	HCD-ATR	Create PWG health attributes registry -- and normalize abstract attribute names so they conform with the semantic model	P	accessible in some way -- attribute name, data type, and number to use
118	10/6/2011	Joe Murdock	HCD-ATR	Go through the HCD_ATR and HCD_NAP and change the names, data types to the ASN.1 data type names with a mapping table to other data type naming conventions, and codes so that the attributes sort functionally. Update NAP and NEA specification to the latest version Remove attributre code values from HCD Attribute spec. They should only exist on the registry and binding specs	P	Informative reference to latest semantic model schema Update firmware to be multi-valued arrays
123	4/12/2012	Ira McDonald	HCD-TNC	Update TNC binding spec to align with the update HCD Attributes values and IETF PT-TLS		

Active Document



- HCD-TNC Binding
 - Interim Draft

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-tnc10-201204xx-rev.pdf>
- HCD-Assessment-Attributes
 - Normalizing Attribute names

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-idsattributes10-20120420-rev.pdf>
- HCD-NAP Binding
 - Normalizing Attribute names

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-napsoh10-20120420-rev.pdf>
- IDS-LOG
 - Draft

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-log10-20111219-rev.pdf>
- IDS-Model
 - Draft

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-model10-20120425-rev.pdf>
- IDS-IAA
 - Draft

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-iaa10-201204xx-rev.pdf>

IDS Charter Update



- Updated IDS Charter to reflect new Secretary
- Welcome Jesse Sanchez from Intel – new iDS Secretary

IDS Attributes



Code	HCD Name	SM Name	Data Type
1	AttributesNaturalLanguage	NaturalLanguageConfigured	String
2	MachineTypeModel	MachineTypeModel	String
3	VendorName	VendorName	String
4	VendorSMICode	VendorSMICode	Integer
20	DefaultPasswordEnabled	DefaultPasswordEnabled	Boolean
21	FireWallSetting	FireWallSetting	OctetString
22	ForwardingEnabled	ForwardingEnabled	Boolean
23	TimeSource	TimeSource	String
40	PSTNFaxEnabled	PSTNFaxEnabled	Boolean
60	FirmwareName	Firmware:FirmwareName	String
61	FirmwarePatches	Firmware:FirmwarePatches	String
62	FirmwareStringVersion	Firmware:FirmwareStringVersion	String
63	FirmwareVersion	Firmware:FirmwareVersion	OctetString
80	ResidentApplicationName	ResidentApplication:ResidentApplicationName	String
81	ResidentApplicationPatches	ResidentApplication:ResidentApplicationPatches	String
82	ResidentApplicationStringVersion	ResidentApplication:ResidentApplicationStringVersion	String
83	ResidentApplicationVersion	ResidentApplication:ResidentApplicationVersion	OctetString
100	UserApplicationName	UserApplication:UserApplicationName	String
101	UserApplicationPatches	UserApplication:UserApplicationPatches	String
102	UserApplicationStringVersion	UserApplicationStringVersion	String
103	UserApplicationVersion	UserApplicationVersion	OctetString
104	UserApplicationEnabled	UserApplication:UserApplicationEnabled	Boolean
105	UserApplicationPersistenceEnabled	UserApplication:UserApplicationPersistenceEnabled	Boolean
200	CertificationState	CertificationState	OctetString
201	ConfigurationState	ConfigurationState	OctetString

IDS Health Attributes



- IDS-ATTR Specification Review
<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-idsattributes10-20120420.pdf>
ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-idsattributes10-20120420_rev.pdf
- IDS-NAP SoH Specification Review
<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-napsoh10-20120420.pdf>
ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-napsoh10-20120420_rev.pdf
- IDS Attribute Reference table
<ftp://ftp.pwg.org/pub/pwg/ids/wd/ids-attributes-2012-04-20-tab.txt>
<ftp://ftp.pwg.org/pub/pwg/ids/wd/ids-attributes-2012-04-20.txt>
<ftp://ftp.pwg.org/pub/pwg/ids/wd/ids-attributes-2012-04-20.pdf>
<ftp://ftp.pwg.org/pub/pwg/ids/wd/ids-attributes-2012-04-20.xlsx>
- The IETF-NEA spec are nearly complete, TCG is now updating the equivalent TNC specs, and MS is adding TNC/NEA support to Windows. Therefore the feeling is that doing an MS-NAP binding prototype in PWG is getting less and less important. Should we put the current spec to sleep and focus resources on TNC/NEA instead? Should the PWG promote a single protocol binding, now that the industry seems to be coalescing on a single solution?

Common Criteria



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- Something's going on in Japan.....

Common Log



- Common Log Document Review

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-log10-20111219-rev.pdf>

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-log10-20111219.pdf>

- It is recommended that the Log Specification should have geo-location as a RECOMMENDED item in log entries
- Device UUID vs. Printer UUID

TNC/NEA



- TNC Binding Document Review

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-tnc10-20111205-rev.pdf>

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-tnc10-20111205.pdf>

IDS Model



- IDS-Model Specification Review

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-model10-20120425-rev.pdf>

Wrap up



- Review of new action items and open issues
- Conference call / F2F schedule
 - Next Conference call May 17, 2012