

# PWG -Imaging Device Security (IDS) Working Group

October 6, 2011

Cupertino, CA

PWG F2F Meeting

Joe Murdock (Sharp)

# Agenda

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- 9:00 – 9:15 Administrative Tasks
- 9:15 – 9:45 NEA and TCG Convergence
- 9:45 – 10:30 NIAP and ICCC report
- 10:30 – 10:45 Short Break
- 10:45 – 11:15 HCD Attributes
- 11:15 – 11:45 IAA and Model
- 11:45 – 12:00 Wrap up

# Administrative Tasks

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- Select minute-taker
- Introductions
- IP policy statement:  
*"This meeting is conducted under the rules of the PWG IP policy". If you don't agree, Apple has a new iPhone you can play with.*
- Approve Minutes from Sept. 22 conference Call

# IDS WG Officers

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- IDS WG Chair
  - Joe Murdock (Sharp)
  
- IDS WG Vice-Chair
  - ***IDS is looking for a new Vice Chair***
  
- IDS WG Secretary:
  - ***IDS is looking for a new Secretary***
  
- 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 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	
96	5/26/2011	Joe Murdock	IDS-Model	Expand scenarios into use cases for security-related cases	P	
105	8/4/2011	Brian Smithson	2600 SD	report on ICCC at October F2F		
107	8/4/2011	Ira McDonald	TNC Binding	look at NEA common values wrt PWG defined attributes in NAP	P	Refer to AI 116
109	8/4/2011	Joe Murdock	TNC Binding	review how/why we did the HCD_CONFIG_FLAGS wrt supported/not supported mixed in bitmaps		Refer to AI 116
110	8/4/2011	Joe Murdock / Ira McDonald	IAA	change "attributes" to "elements"	C	
111	8/4/2011	Joe Murdock	IAA	change "request elements" to "negotiate elements"	C	
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		
113	8/4/2011	Joe Murdock	IAA	add a fifth choice "document security" to request security attributes	C	
114	8/4/2011	Joe Murdock	IAA	add Dublin Core to document security ticket	C	
115	8/4/2011	Joe Murdock	IAA	add document element branch to security ticket	C	
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		accessible in some way -- attribute name, data type, and number to use

# Stable Documents

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- HCD-Assessment-Attributes  
<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-idsattributes10-20110127.pdf>
  - Stable (needs a binding prototype)
- HCD-NAP Binding  
<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-napsoh10-20100930.pdf>
  - Stable
- HCD-NAC Business Case White Paper
  - <ftp://ftp.pwg.org/pub/pwg/ids/white/tb-ids-hcd-nac-business-case-20100422.pdf>
    - Final
- IDS Charter  
<ftp://ftp.pwg.org/pub/pwg/ids/charter/ch-ids-charter-201100503.pdf>
  - Updated charter approved by Steering Committee

# On-hold Documents

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- HCD-Health Remediation

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-remediation10-20100930.pdf>

- Initial Draft

# Active Document Status

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- HCD-TNC Binding
- HCD-Assessment-Attributes
  - <ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-idsattributes10-20110127.pdf>
    - Minor Revisions?
- HCD-NAP Binding
  - <ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-napsoh10-20100930.pdf>
    - Minor Revisions?
- IDS-Log
  - <ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-log10-20110326.pdf>
    - Draft
    - Should we put this on hold for awhile?
- IDS-IAA
  - <ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-iaa10-20111005.pdf>
    - Draft
- IDS-Model
  - <ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-model10-20111005.pdf>
    - Draft



# NEA/TCG Convergence

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- And now to Ira...

# NIAP/ICCC Report



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<ftp://ftp.pwg.org/pub/pwg/ids/Presentation/12th%20ICCC%20Report%20to%20PWG%20IDS.pdf>  
<ftp://ftp.pwg.org/pub/pwg/ids/Presentation/12th%20ICCC%20Report%20to%20PWG%20IDS.pptx>

# HCD Attributes

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- Discussion on normalizing the names and types of Health attribute to Semantic Model style

<ftp://ftp.pwg.org/pub/pwg/ids/white/ids-hcd-attr-normalization.pdf>

# HCD Attributes



Code	Code (old)	HCD Name	SM Name	NAP SubType	Data Type
1	1	HCD_Machine_Type_Model	HealthMachineTypeModel	1	String
2	2	HCD_Firmware_Name	HealthFirmware:FirmwareName	2	String
3	3	HCD_Vendor_Name	HealthVendorName	3	String
4	4	HCD_Vendor_SMI_Code	HealthVendorSMICode	4	Integer
5	5	HCD_Firmware_Version	HealthFirmware:FirmwareVersion	5	OctetArray base64Binary
6	6	HCD_Firmware_Patches	HealthFirmware:FirmwarePatches	6	String
7	20	HCD_Firmware_String_Version	HealthFirmware:FirmwareStringVersion	20	String
8		HCD_User_Application_Enabled	HealthUserApplicationEnabled		Boolean
9		HCD_User_Application_Persistence_Enabled	HealthUserApplicationPersistenceEnabled		Boolean
10	7	HCD_User_Application_Name	UserApplicationName	7	String
11	8	HCD_User_Application_Version	UserApplicationVersion	8	OctetArray base64Binary
12	9	HCD_User_Application_Patches	UserApplicationPatches	9	String
13	21	HCD_User_Application_String_Version	UserApplicationStringVersion	21	String
14	10	HCD_Resident_Application_Name	HealthResidentApplication:ResidentApplicationName	10	String
15	11	HCD_Resident_Application_Version	HealthResidentApplication:ResidentApplicationVersion	11	OctetArray base64Binary
16	12	HCD_Resident_Application_Patches	HealthResidentApplication:ResidentApplicationPatches	12	String
17	22	HCD_Resident_Application_String_Version	HealthResidentApplication:ResidentApplicationStringVersion	22	String
18	13	HCD_Firewall_Setting	HealthFirewallSetting	13	OctetArray base64Binary
19	14	HCD_Certification_State	HealthCertificationState	14	OctetArray base64Binary
20	15	HCD_Configuration_State	HealthConfigurationState	15	OctetArray base64Binary
21	16	HCD_Forwarding_Enabled	HealthForwardingEnabled	16	Boolean
22	17	HCD_PSTN_Fax_Enabled	HealthPSTNFaxEnabled	17	Boolean
23	18	HCD_Default_Password_Enabled	HealthDefaultPasswordEnabled	18	Boolean
24	19	HCD_Time_Source	HealthTimeSource	19	String
	23	HCD_Configuration_Flags <sup>1</sup>		23	OctetArray base64Binary
25	24	HCD_Attribute_Natural_Language	NaturalLanguageConfigured	24	String

<sup>1</sup> HCD\_Configuration\_Flags added in August 2008 to combine HCD\_Forwarding\_Enabled, HCD\_Default\_Password\_Enabled, and HCD\_PSTN\_Fax\_Enabled into a single bitmap, but to also add additional information on not just the state value of the attribute, but whether the attribute feature is supported or not.

# IDS IAA and Model

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- IDS-IAA Specification Review

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-iaa10-20111005-rev.pdf>

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-iaa10-20111005.pdf>

## Schema and WSDL

<ftp://ftp.pwg.org/pub/pwg/ids/wd/schema/October%202011/PwgSecurity.wsd>

<ftp://ftp.pwg.org/pub/pwg/ids/wd/schema/October%202011/PwgSecurityOpMsg.xsd>

<ftp://ftp.pwg.org/pub/pwg/ids/wd/schema/October%202011/Security.xsd>

<ftp://ftp.pwg.org/pub/pwg/ids/wd/schema/October%202011/SecurityOperations.xsd>

- IDS-Model Specification Review

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-model10-20111005-rev.pdf>

<ftp://ftp.pwg.org/pub/pwg/ids/wd/wd-ids-model10-20111005.pdf>

- Integration into PrintTicket and Cloud Printing

- What IDS elements should go into the PrintTicket Document elements
  - User Identification
  - Document Security

# Wrap up

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- Review of new action items and open issues
- Conference call / F2F schedule
  - Next Conference call October 20, 2011
- Bye-bye Brian