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3 **Charter of the PWG**
4 **Imaging Device Security (IDS)**
5 **Working Group (WG)**
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7 **Status: approved**

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9 **<ftp://ftp.pwg.org/pub/pwg/ids/charter/ch-ids-20080207.pdf>**

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25 To Subscribe: <http://www.pwg.org/mailhelp.html>

26 IDS WG Documents: <ftp://ftp.pwg.org/pub/pwg/ids>

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28 **Problem Statement:**

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30 Enterprise class network are beginning to deploy new protocols to measure and assess the
31 health of client computers and other devices on the network. These assessment protocols go
32 above and beyond simply checking that the device or user possesses the correct credentials to
33 access the network to the point of assessing information such as operating system, security
34 patches, antivirus definition levels etc. Hardcopy Devices¹ (Network Printers, Multi-Function
35 Devices, Network Scanners, etc.) do not integrate into these new assessment protocol
36 schemes. One of the reasons is that there is no standardized set of attributes that a network
37 policy server can measure for Hardcopy Devices.

38
39 ¹ IEEE Std. 2600 defines the term Hardcopy Device as: A system producing or utilizing a physical embodiment of
40 an electronic document or image. These systems include printers, scanners, fax machines, digital copiers, MFPs
41 (multifunction peripherals), MFDs (multifunction devices), “all-in-ones,” and other similar products.

43 The Imaging Device Security WG (IDS WG) within the PWG is chartered to focus on this specific
44 security issue. The group will define a set of common assessment attributes for Hardcopy Devices
45 and will liaison with the specific Network Assessment Protocol efforts to include Hardcopy Device
46 support in those protocols where necessary, In the future, the IDS WG charter may be revised to
47 allow the working group to deal with other types of Imaging Devices (Network Projectors, Displays,
48 etc.) in the Network Assessment Protocols or other security related work items.

49 **Out-of-scope:**

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51 • OOS-1. Do not define new encryption algorithms.

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53 • OOS-2. Do not define any new transport protocols that implement encryption.

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55 • OOS-3. Do not define hash functions or digital signature mechanisms.

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57 • OOS-4. Do not define any new network assessment protocols.

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59 **Objectives:**

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61 • OBJ-1. Define a minimal required set of attributes that can be used to assess a Hardcopy
62 Device's "fitness" to attach to a network.

63

64 • OBJ-2. Define an extended set of attributes for Hardcopy Devices that may include device
65 configuration attributes to be used for print administrator policy enforcement.

66

67 • OBJ-3. Define a set of example bindings to the leading network assessment protocols. These
68 may include Cisco's Network Access Control (NAC), Microsoft's Network Access
69 Protection (NAP), the IETF's Network Endpoint Assessment (NEA), and the Trusted
70 Computing Group's Trusted Network Connect (TNC); as well as other network assessment
71 protocols.

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74 **Milestones:**

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76 **Charter Stage:**

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- 78 • CH-1. DONE – Initial working draft of IDS WG charter – Jan. 2008
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- 80 • CH-2. DONE – Interim/Stable working draft of IDS WG charter – Jan. 2008
- 81
- 82 • CH-3. TBD – PWG approval of IDS WG charter – Feb. 2008
- 83

84 **Definition Stage:**

- 85
- 86 • USE-1. Initial education on the specific network assessment protocols and development
- 87 of use cases and requirements. – Q1 2008
- 88
- 89 • ATTRIB-1. Development of draft proposals for attributes to be included in the required
- 90 minimal set to be measured. – Q2 2008
- 91
- 92 • ATTRIB-2. Development of draft proposals for attributes to be included in the extended
- 93 set(s) of attributes. – Q2 2008
- 94
- 95 • ATTRIB-3. Finalization of the standardized set of attributes for Hardcopy Devices – Q3
- 96 2008
- 97
- 98 • BIND-1. Development of the draft bindings of the Hardcopy Device attributes to the
- 99 network assessment protocols. – Q3 2008
- 100
- 101 • BIND-2. Finalization of the bindings of the standardized set of attributes for Hardcopy
- 102 Devices to the network assessment protocols. – Q4 2008
- 103

104 **Implementation Stage:**

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- 106 • PROT-1. Development of prototypes of a Hardcopy Device integration into at least one
- 107 of the network assessment protocols that use the defined attributes for Hardcopy
- 108 Devices– Q1 2009
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