

PWG WIMS/CIM Alignment

Conference Call Minutes

January 19, 2009

1 Attendees

Lee Farrell	Canon
Rick Landau	Dell
Glen Petrie	Epson
Ira MacDonald	High North Inc.
Dave Whitehead	Lexmark
Bill Wagner	TIC
Pete Zehler	Xerox

2 General

- Meeting was convened at 11:00 EDT on 19 January 2009.
- Notice was made that the meeting was held in accord with the PWG Intellectual Property Policy
- Bill Wagner agreed to take minutes
- The January 5 minutes were accepted.

3 Working Group Name and Charter

- There were no content comments in response to WG last call on the revised charter draft (ftp://ftp.pwg.org/pub/pwg/wims/charter/wd-wimsch30-20090107_draft.pdf).
- Ira did indicate that the Charter should have a "Status" annotation and suggested using the PSX charter as an example.
- It was agreed that the PWG steering committee would be requested to confirm the revised charter, after which it would be duly posted and referenced.

4 . Approach to Power Management Elements

- Power Management should address Single Function and Multifunction Hardcopy Imaging Devices
- Power Management should include:
 - Strict power monitoring report for device as a whole, in accord with some well recognized standard for reporting power consumption state (e.g., Active, Idle, Sleep, etc)
 - Setting of policies for power management
 - Both scheduled and "time after event" policies
 - Probably based on characteristics of individual units and subunits (e.g., marker, scanner, console, controller, interface)
 - Direct commands to change power consumption state

- Probably both of device as a whole and of individual units and subunits
- In general, command will initiate a sequence intended to end in the requested power state rather than drive the device directly to the requested state. Device and subunit requirements (such as cooldown) must be honored. Intervening function requests may affect sequence.
- Conformance/Mappability of power states to international, government and industry standards is required
 - There has been a lot of activity in this area, although not all requirements are clear and/or firm and/or applicable to imaging devices.
 - Ira and Rick have sent out emails with some references, and some have been previously reported.
 - - http://ec.europa.eu/enterprise/eco_design/directive_2005_32.pdf
 - <http://www.greensupplyline.com/showArticle.jhtml?articleID=197008841>
 - - <http://www.leonardo-energy.org/drupal/taxonomy/term/709>
 - http://www.bureauveritas.com/wps/wcm/connect/bv_com/group/home/about-us/our-business/our-business-consumer-products/regulatory_bulletins/eup_standby_offmode_household_office+equipment/?presentationtemplate=bv_master/CPS_full_story_presentation
 - http://www.newark.com/jsp/bspoke/base.jsp?bspokepage=newark/en_US/edworld/legislation-center/EuP/eup-scope.jsp
 - <http://www.euractiv.com/en/energy-efficiency/eco-design-requirements-energy-products-eup/article-117467>
 - http://europa.eu/eur-lex/lex/LexUriServ/site/en/oj/2005/l_191/l_19120050722en00290058.pdf
 - <http://www.itu.int/ITU-T/studygroups/com15/sg15-q14.html>
 - http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?tp=&isnumber=31207&arnumber=1453037&punumber=9863 (IEEE 1621-2004 "IEEE Standard for User Interface Elements in Power Control of Electronic Devices Employed in Office/Consumer Environments")
 - http://www.dmtf.org/standards/cim/cim_schema_v220/
 - <http://www.acpi.info/> (ACPI V4.0 is under development ..do we want to participate?)
 - Power Management cited in Microsoft WINHEC 2008 <http://www.microsoft.com/whdc/winhec/2008/pres.msp>
 - Information short on details
 - WIMS should attempt to determine what Microsoft's requirements are
- Members requested to check on their companies':
 - Participation in setting power management standards
 - Implementation of power management features
 - Recognition of the fact that power management features increasing are included in product purchase requirements
 - What requirements should we attempt to be consistent with
 - What implementations do they see as adequate to meet these requirements

- It was stressed that, because of the potential complexity of MFD power management and the many existing but non-definitive efforts to address this subject in general, a clear requirements document must be generated for this effort.

5 Project Status Update

- Prototype CIM Proxy Printer Provider (Rick Landau)
 - Completed instantiation of associations where all elements in one class relate to all elements in another class (full mapping). Some delays in implementing more complex associations
 - Finisher will not be addressed at this stage in implementation
- CIM MOF/Change Request Efforts
 - Ira indicated no further progress has been made on Print Service.
 - Next effort will be with Print Service “Settings”, although February schedule may not be met.

6 Next Steps / Action Items

- Power Management
 - Bill Wagner will do first cut of Power Management BoF presentation for discussion at next conference call.
 - Bill Wagner will query Microsoft contact to get their intent and preferences
 - Ira and Rick will post cited reference links
 - All members will
 - Post links to references considered applicable
 - Query their companies on requirements being imposed; preferred solutions
- Charter
 - Bill Wagner will seek Steering Committee confirmation of revised charter, and will appropriately update status and post stable version.
- CIM Efforts
 - Prototype CIM Proxy Printer Provider (Rick Landau) - Continuing
 - Print Alert Record class Change Request (Ira MacDonald) – February
 - Remaining Print-related CIM Classes – (Ira MacDonald) – Continuing
 - Post of updated Charter Draft, and check on process to accept (Bill Wagner) – January
 - Query of Ricoh on CIM Printer Class implementation (Bill Wagner) – January
- Next Meeting
 - The Next WIMS conference call will be Monday 2 February at 11 AM EST.