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PWG MFD Working Group Teleconference Meeting Minutes
September 9, 2010

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Attendees:

Nancy Chen,	Oki Data
Ira McDonald,	High North
Bill Wagner,	TIC
Peter Zehler	Xerox

1. **Identify Minute Taker –** Nancy Chen

2. **PWG process**
   Attendees were informed that the meeting is held in accord with the PWG Intellectual Property Policy. There was no objection.

3. **Approval of minutes**
   The last teleconference meeting minutes: ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-minutes-20100902.pdf was accepted without change.

4. **Agenda**
   1. Identify Minute Taker
   2. Approval of minutes from last meeting
   ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-minutes-20100902.pdf
   3. Agenda bashing
   4. Discuss Power elements in schema
   5. Discuss JobOriginatingUserAuthenticationInfo element in schema
    http://www.pwg.org/mfd/navigate/PwgSmRev1-107_ImagingJobStatusType.html#LinkC20
   6. Next steps
   No objection to the agenda.

5. **Action Item Status from last teleconference**
   - Pete reported he has forwarded last week's discussion on Job/Service UUID to IPP working group, and was requested to forward the UUID schema and semantics he has added to MFD model to IPP Secretary Mike Sweet to update on the WiKi page.
   - Pete has added geo-location attributes he proposed in SystemDescription group in MFD XML Schema. He will still need to update the brows-able schema on the MFD web page. Update of UUID and geo-location document will be done tomorrow.

6. **Discuss Power Elements in Schema**
   - Pete has constructed an abstract Power group element for convenience of browsing what constitute all the Power Management group objects, including PowerCalendar, PowerCounters, PowerEvent, PowerGeneral, PowerLog, PowerMeters, PowerMonitor, PowerSupport, PowerTimeOut, PowerTransition.
   - Agreed that PowerSupport and PowerTransition currently in SystemCapabilites should be moved to SystemStatus. These are normally set by subunits vendors in firmware, not directly settable by administrators. If the administrator needed to

47 disable a power state support, it must be done through a first class operation to avoid
48 catastrophic results.
    o AI: Pete will move PowerSupport and PowerTransition to SystemStatus and
      delete SystemCapabilities from the model.
51 • Agreed to Ira's recommendation to add Power Policy groups (Timeout, Event,
52   Calendar) first class operations in MFD Schema and Semantic Model to allow admin
53   to safely/elegantly add/delete/set elements in/from each of these groups, and prevent
54   them from creating irrational power policies. MFD model document should have
55   semantic to inform implementers that operations should fail if setting an entry of
56   these complex elements inconsistently. "Add/Remove/Set Power Policy" operation
57   gets back an ID, but not reuse IDs. Ira & Pete will identify /propose this type of new
58   operations for System Service in the System spec. The parameters of these
59   operations include the targeted component type and component ID, the type of
60   policy entry to operate, and the value collection for the entry. If the component is the
61   System, the component ID is ignored.
62 • Currently the MFD Model has only LifeTime counters for PowerCounters or
63   WorkCounters, no other persistent counters (PowerOn and Reset counters).
64 • Ira & Bill for WIMS: Add persistence of PowerCounters to power model and MIB
65   spec. [REF: Section 5.1.3 Persistence in PWG Counter spec].
66 • Pete for MFD: Since the persistence of counters is in the Counter spec, it has to be in
67   MFD model. Add Counter type and Persistence attribute for each counter.
68 • Subunit also has calender/event/… has special rule for writing them – first class
69   operation to modify and delete. 3 op for sys obj and 3 op for subunit.
70 • Is there a system ID? It's in CIM model. It should be value of Hr… For system ,
71   need the type of system, but ignore sys ID. For subunit – need component type and
72   component ID.
73 • Agreed that the System should have a UUID.
74 • All subunits now inherit power elements in SubunitDescription and SubunitStatus.
75 • SubunitStatus is missing PowerCounters.
76   o AI: Pete to add into Schema.
77 • Power Policy has Event Name that triggers the policy; the name is the value of
78   prtAlertCodeTC in MIB.
79   o AI: Pete to define the MFD semantics for PowerEvent name which is a string
80   value in Schema. In MIB it's the prtAlertCodeTC (printer alert name) that
81   starts with a lower case letter or vendor's event name that starts with a upper
82   case letter.
83   o AI: Pete to Delete "Name" attribute from PowerTimeout and PowerCalendar
84   group.
85
86 **7. Discuss JobOriginatingUserAuthenticationInfo element in schema**
87 http://www.pwg.org/mfd/navigate/PwgSmRev1-107_ImagingJobStatusType.html#LinkC20
88 • Whether we should have a capability attribute to indicate what a service support for
89   authentication. We agreed that the XriSupported in ServiceDescription has three
90   attributes: XriUri, XriSecurity, XriAuthentication, where the Authentication is a
91   sequence of authentication methods supported, which is sufficient.
92

8. Next Steps

- Pete to update the MFD Schema and publish it for Bill to update the Overall spec.
- Next teleconference is on next Thursday September 23, 2010, at 3PM EDT.