PWG *Web-based Imaging Management Service*

Collective Phone Conference Minutes

March 16-24, 2005

Harry Lewis
03/24/2005

Attendees

- **Rick Landau, Dell**
- **Harry Lewis, IBM**
- **Ira McDonald, High North**
- **Jerry Thrasher, Lexmark**
- **Bill Wagner, Independent**

General Discussion

In our effort to move the Counters spec from Prototype to Stable in preparation for Last Call before the Tokyo meeting, several phone conferences have been announced and conducted:

March 16 – Noon EST
March 21 – Noon EST
March 23 – 10am EST
March 24 – Noon EST

The meetings were held in rapid succession with many editorial revisions handled "on the fly" in the Counter spec, itself. This write-up is a summary of the main topics discussed. Read the most recent Counter Spec and WIMS Spec for details.

Counter Spec

Both the WIMS and Counter Spec carried a connotation that they were specific to the MFD. While support for MFDs is certainly a key goal, the documents should not give the impression that they are MFD specific. The WIMS spec was modified to refer to an "imaging system" which includes MFD, printer and host or server based print spooler. The abstract has been reworded as such.

The Counter Schema are WAY out of date and require a great deal of updating. They are not likely to make it to Last Call in the same timeframe as the Counter Spec. Counters may be represented as schema, MIBs etc so it was incorrect, in the first place, to associate normative schema with the Counter spec. All such references have been removed. The Counter spec is an abstract spec not a mapping. We need to state that the Counter spec may be mapped, in separate documents, to MIBs, Schema etc. Where schema is mentioned, indicate that the schema are "hypothetical" with relation to the Counter spec.

ServiceTotals has been changed to SystemTotals

Fig 4 – add "unknown"

Replace use of term "product" with "imaging system" in most places.

Counter spec does not define services (like "copy") the Job MIB is normative for this.

Service object – copy – contains element group serviceStatus which contains element group copyCounters after which appears parm names. Service.serviceStatus.serviceCounters.etc. like SM 1.0

TotalTime changed to OnTime – change back to TotalTime.

What about persistence of counters? Need to investigate and make a statement. Reset at power, service etc? In the Counter MIB this is called cycleType.

Security section needs to be updated to reflect that the existence of readable counters elements exposes imaging systems in a manner that should be protected from unauthorized access via network protocols.

Ira provided normative source references for all terms defined in the Counter spec.

We struggle with definition of impression as the definitions in Job MIB and IPP were not fully harmonized or accurate. *"Impression is the image imposed on one side of a media sheet by a marking engine independent of the number or times the media sheet side passes the any marker."* PWG probably needs to create a Glossary for imaging systems to accompany our Semantic Model.

WIMS Spec

Both the WIMS and Counter Spec carried a connotation that they were specific to the MFD. While support for MFDs is certainly a key goal, the documents

should not give the impression that they are MFD specific. The WIMS spec was modified to refer to an "imaging system" which includes MFD, printer and host or server based print spooler.

Review comment - 1st diagram of the WIMS spec being sequence vs structural diagram is not good. Swap the order of fig 1 and 2.

Review comment - 1st step in the sequence diagram is the agent registering for management – what about discovery? (Response – discovery and establishing trust relationship have been consciously avoided. While necessary, these are not considered in scope for the WIMS spec). We should state this up front.

Review comment – Change "Overview" to "Introduction" so the title better represents the intent and content of that section.

Review comment - Why are the management actions specified in a schedule? Add an explanation to the requirements section or introduction.

Review comment – in the Schedule schema, there are cases where element and type of element use the same name. This results from a PWG convention but may interfere with WSDM or CIM mapping. Ideally, we would use suffix "type" or apply it to the mappings, for sure. Do we need to include an intro to schema or guide to schema somewhere in the spec or elsewhere? Maybe as part of the (pending) SM to CIM mapping project?

Section 5 (WIMS URL scheme). Ira contributed the pwg-wims URL scheme write-up. Question about IANA registration. IANA is rewriting their process. We can register a provisional scheme to guarantees uniqueness but won't get an official URL scheme until utility and industry agreement has been demonstrated. We should add a note in the WIMS spec regarding the intent to register but indicate that the timeline as out of our control. (Also repeat this note in Section 8).

Section 6 – Target object (asset) Ids should be modified to explicitly allow names as opposed to URI's. Allow identifiers that are not just simple integers.

Requirements section (including scenarios) was added as a lead in section to the WIMS spec, itself, in order to try and avoid yet another separate document needing to traverse the process. Not sure the result is acceptable, however, as the requirements and scenarios (including diagrams) doubles the size of the spec. One of the nice things about the WIMs spec, prior to adding the Requirements section, was its terse elegance.

Conformance section (7) has been updated

IANA Considerations (section 8) need to be updated with the note from Section 5.

Internationalization section has been updated.

Security considerations have been updated

10.2 Security Requirements needs to be updated. Break out by context. (Enterprise, Fleet mgt across firewall, etc.) Strong authentication of the manager – change to a MUST. Use of TLS with data integ HTTPS or IPP upgrade headers (use words from IPP).

Schema

The schema are WAY out of date and require a great deal of updating. They are not likely to make it to Last Call in the same timeframe as the Counter Spec and/or WIMS spec. All normative reference to schema have been removed from the Counter spec.

Next Conference Call

The next WIMS conference call will be off phase, and will be held Tuesday March 30, 2005.

(Different) Time: 10am Eastern (8am Pacific)

Call-in US Toll-free: 1-866-365-4406

Call-in International/Toll: 1-303-248-9655

Participant Identification number: 2635888#