

## **PWG - Internet Printing Project Conference Call - June 4, 1997**

The meeting was called to order at 4:00 PM EDT.

Attendees:

Bob Herriott - Sun  
Carl-Uno Manros - Xerox  
Don Wright - Lexmark  
Steve Zilles - Adobe  
Tom Hastings - Xerox  
Ron Bergman - Data Products  
Randy Turner - Sharp  
Lee Farrell - Canon  
Scott Isaacson - Novell  
Patrick Powell - UCSD  
J.K. Martin - Underscore  
Jeff Copeland - QMS  
Peter Zehler - Xerox  
Harry Lewis - IBM

Munich Plenary

- Plan is to split up the document review into multiple sessions
- No MIB meetings to avoid
- Should avoid WEBDav, IP over 1394, HTTP, Internet FAX
- Should plan on 30-40 people in attendance

JOB MIB

Discussion on State Names:

Three alternatives:

- Pending-Stopped
- Held
- Pending-Held \*\* This was the name selected

A discussion was held on how various fringe conditions could be represented by the various states and which ones are mandatory.

An inconsistency was raised concerning incoming and outgoing jobs' states: When the job state reason is "incoming" what should the job state be? \*\* PENDING or PROCESSING are both valid. Same question for outgoing? \*\* No resolution was agreed to.

The seven JOB-STATES are now:

Completed-Aborted  
Completed-Canceled  
Completed  
Processing

Processing-Stopped  
Pending-Held  
Pending

Only the JOB-STATE and JOB-STATE-REASONS attributes are required but none of the enumerated values are mandatory. The discussion on this was cut short due to time constraints; however, almost all the participants did not believe that we needed to provide more than just implementation recommendations as to which JOB-STATES and JOB-STATE-REASONS values are returned by any one implementation.

The Model meeting will be on Friday to further discuss the above.

#### MODEL SUB-GROUP

New document posted - ready for review.

Discussion on need for "level's of conformance"

- There were strong feelings by some people that we shouldn't have two levels
- Reality of the market says there will be a large number of installations of whatever Microsoft does.
- No decision was made.

Scott would like comments and questions by commenting on the document by specific line number by June 16th.

The goal is to provide another draft before the August IETF meeting.

#### PROTOCOL SUB-GROUP

There was a meeting on Monday working and commenting on Randy's Protocol document. Changes will be reflected into the next revision of the document. Steve Zilles has a concern about not including the attribute type in the encoding. He will be writing up this concern and posting it to the mailing list.

We will need to register application/IPP as a MIME type either as a separate document or as an appendix to an existing document.

There will be a Protocol sub-group meeting on June 17th at Sun in Menlo Park from 9:30 AM until 6 PM.

#### SECURITY SUB-GROUP

No report from Roger Debry (he was not on the call.) Carl-Uno reported that progress was being made and a new draft should be issued soon. Randy Turner and Scott Isaacson briefly reviewed the discussion from the last meeting. One of the open issues is the security implications of "print by reference."

#### OPERATIONS

Validate is believed by many of the participants that the validate operation is a good one to have.

A question was raised as to who, if anyone, was implementing IPP on the Macintosh.

White space in data (tab, cr, lf, etc.) is not a delimiter. This will be clarified in the next version of Randy's protocol document.

Randy will make his document into an Internet Draft and will send it to Carl-Uno to get it published by the IETF.

Rationale for selected HTTP will need to eventually included in the protocol document. Steve Zilles will start working on that document (separate, at least at first.)

Don Wright and Steve Zilles will not be on the next two calls. A secretary will be needed for those calls.

The meeting adjourned at 6 PM EDT.