

Minutes of the Job MIB meeting in Boulder, CO October 31, 1997

## Attendees

Ron Bergman - DataProducts  
Carlos Cantu - IBM  
Dennis Carney - IBM  
Lee Farrell - Canon  
Jeff Haemer - QMS  
Tom Hastings - Xerox  
Scott Isaacson - Novell  
David Kellerman - Northlake Software  
Harry Lewis - IBM Printing Systems  
Jay Martin - Underscore  
Kathy Melton - IBM  
Ryan Nguyen - IBM  
Jerry Podojil - Genicom  
Stuart Rowley - Kyocera  
Yuyi Sacchi - Japan Computer Industry  
Jamsie Treppendahl - IBM

1. Ron Bergman (chair) reviewed editorial comments from the 10/27 e-mail - all were accepted
2. A list of recommendations, submitted by Tom Hastings was reviewed.
  - Tom recommended adding Job-state-message natural language attribute
    - \* Accepted
  - Tom recommended adding the choice of octet string vs. displaystring for jobCodedCharSet so either the IANA register printer MIB values can be used or the IANA MIME types can be used.
    - \*Dave Kellerman indicated choice would over unnecessarily burden the client application. Harry Lewis would like to stay with enums if only 1 is chosen. Topic to be further discussed on mailing list.
  - Tom recommended adding a natural language attribute for the job.
    - \*Tom will write up exact text and circulate on the mailing list.
3. Standards track vs. Informational.

There is still consternation over the fact that the Job MIB charter never seems to have evolved under the IETF. There is a view that our efforts should have been directed by the Management rather than Applications area, in which case the IETF may have looked more favorably on our MIB. It is noted that the Printer MIB may actually be more widely deployed than any other MIB in the IETF! (many printers per one router). Part of the discussion related to the fate of the Printer MIB, also.

Randy Turner indicated, during an earlier PMP discussion, that he would still like to see the Printer and Job MIBs become IETF standards and feels that Experimental is a more appropriate and fruitful route than informational. We need to get in touch with the Area Directors of both Management and Applications and have an IETF decision made. Two week deadline to resolve else submit as informational RFC. Also, find out what area is guiding the hrMIB, today, and who is heading that project.

If we go the Informational route we will register the Job MIB under the new PWG OID as follows:

PWG OID = ... Private.Enterprises.1699 so the Job MIB will be  
... Private.Enterprises.1699.1. The first assignment

... Private Enterprises.1699.1.1 of the job mib will be

#### 4. Mapping document.

- LPR/LPD - Header of data file contains host name. Typically does get passed to controller. Used to create jmJobSubmissionID format 9. (See Ron's proposal). In peer-to-peer environments, the host name is typically derived from the client workstation. In client/server the host name is usually that of the server.
- We decided to make jmJobSubmissionID format 9 ONLY apply to LPR
- We added format A for Apple Talk.
- The IPP jmJobSubmissionID format is derived directly from the printer URL. There are no other alternatives. By definition, because IPP is bidirectional, it benefits from having the jmJobIndex returned via IPP during submission.
- IPDS - Harry will investigate possible mapping or changes to IPDS to support the Job MIB
- NPDS - Provides jmJobSubmissionID. Does not map to jmJobIndex.
- PjL - Implementation note. JobID table entry is likely to be created when the up front PjL has been parsed in well behaved, coordinated job submission systems.