

Subj: Some Editorial Comments on the Job Monitoring MIB  
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File: edtcomth.doc

1. Page 39, fileName(34) - Clarify that the file name could be a URI. Need a reference to a URI. So change the description to:

```
fileName(34), -- OCTET STRING(SIZE(0..63))
-- OCTETS: MULTI-ROW: The coded character set file name or
-- URI[9] of the document.
--
-- There is no restriction on the same file name in multiple
-- rows.
```

2. Page 40, documentFormat(38), change "MIME type" to "media types", since that is what IANA registers, but IANA also calls them MIME content-type/subtype names and add a reference to the IANA registry.

```
documentFormat(38), -- PrtInterpreterLangFamilyTC
-- AND/OR
-- OCTET STRING(SIZE(0..63))
-- INTEGER: MULTI-ROW: The interpreter language family
-- corresponding to the Printer MIB[1]
-- prtInterpreterLangFamily object, that this job
-- requires/uses. A document or a job MAY use more than one
-- PDL or control language.
--
-- NOTE - This attribute is represented by a type 2 enum
-- defined in the draft Printer MIB[1], but is not in RFC
-- 1759.
--
-- AND/OR
--
-- OCTETS: MULTI-ROW: The document format registered as a
-- mediaMIME type[8], i.e., the name of the MIME content-
-- type/subtype. Examples: 'application/postscript',
-- 'application/vnd.hp-PCL', and 'application/pdf'
--
-- NOTE - IPP[3] uses MIME content-type/subtype
-- nameskeywords to identify document formats.
```

3. Add a reference to the documentFormat attribute in the IANA Considerations section.

4. Clarify that the CPU time reproducibility is for the same device:

```
jobProcessingCPUtime(198) -- Integer32(-2..2147483647)
-- INTEGER: The amount of CPU time that the job has been
-- processing in seconds, i.e., in the processing job state.
-- If the device stops and/or the job enters the
```

```
-- processingStopped state, that elapsed time SHALL not be
-- included. In other words, the jobProcessingCPUtime value
-- SHOULD be relatively repeatable when the same job is
-- submitted again to the same device. |
```

5. Page 47, **timeSinceJobWasSubmittedToDevice**(192) - units should be the changed from seconds to milliseconds so at to be the same as the other two timeSinceXxx attributes and as IPP, if we keep these three attributes at all (see Harry's issue 107).

6. If IPP changes the "printer-resolution" attribute from a keyword to two integers, the Job Monitoring MIB should do the same. I suggest that we just make printerResolution attribute be MULTI-ROW with integer data type. If there is only one value, it is the same for both x and y directions. If the values are different then there are two entries, with the first being the x (short edge direction) resolution.

7. I added the data type and range to the table of contents which showed some inconsistencies on the lower bound. Sometimes we have -2 and sometimes 0. 0 should remain for copies of indexes meaning no index (or do we want -2 to indicate unknown index?) and 1 should remain for actual indexes. However, I think that other 0 lower limits should be changes to -2 for consistency and to get the unknown value possible for them. The ones to change from 0 to -2 lower bound are:

**numberOfDocuments** (Int32(0..))

**outputBin** (Int32(0..) and/or Octets63)

**timeSinceJobWasSubmittedToDevice** (Int32(0..))

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