PWG MFD Working Group Teleconference Meeting Minutes
June 10, 2009

Attendees:

Ira McDonald,   High North, Inc.
Bill Wagner,   TIC
Peter Zehler   Xerox

1. **Identify Minute Taker –** Peter Zehler

2. **Approval of minutes from last teleconference**
   ftp://ftp.pwg.org/pub/pwg/mfd/minutes/pwg-mfd-minutes-20090528.pdf

No objection to the minutes.

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

3. **Agenda bashing**
No changes to the agenda were suggested.

4. **Status of Resource Service specification**

   The specification is is now in Formal Vote

5. **Discuss MFD Model and Overall Semantics - June 5, 2009 Interim Draft.**
   Specification: <ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdoverallmod10-20090605.pdf>
   Issues mail note: <http://www.pwg.org/archives/mfd/2009/000363.html>

   - There was a discussion on the relationship between the service content region and associated device constraints (i.e. the size of the platen or marker/mediaPath). See page 24 of the specification
     i.   It was agreed that device aspects will be represented by the subunits (i.e. Scanner, ScanMediaPath, Marker, MediaPath).
     ii. It was agreed that the MFD specification will describe the service oriented content regions.
     iii. It was noted that although the service content regions and the ability of the device to handle/scan/mark media are not explicitly bound together, the capabilities of the device constrain the valid values for a service.
     iv. Scanner and marker coordinates will be removed from the document
     v.   The base type for ScanRegion and CopyRegion will be renamed to ContentRegionType.

   Issues on June 5 Version of Overall MFD Spec, and resolved points.

1. References will be added later

2. Table of Contents format will be made to agree with Resource document when content is stable

3. Unsure what to do about Datatype normative references (IDS Attributes discussion), but have added paragraph on datatypes.

   - AI: Ira will generate new section on Datatypes. The data types will be based on XML Schema Part 2: Data types Second Edition whenever possible.

4. Terminology: any more terms?

5. Service Coordinates: list of questions. Do we want to define production printing co-ordinate system? The elements are in the model.

   - No. Print/Mark Service coordinate system discussion and diagram will be removed.

   - Leave out imposition and reference appropriate specification

6. FaxModem Elements: do we agree? What about ItuStatistics? References?

   - AI: Pete to investigate possible elements. Proposal to be discussed at face-to-face.

7. Processors: Questions. What are ramifications of following in last concall notes –
   - Processors does not belong in Services, should be in Overall system instead.
      No effect on Overall document. Processor will be discussed in Overall document.
   - Should other Processor subunit properties such as DeviceDescr, DeviceStatus, DeviceError be modeled in Processor subunit?
      AI: Pete will look at common hrDevice elements and select appropriate objects to add to the schema. Schema will be updated to include device elements where they can be derived from HR MIB. Overall document will reflect changes in schema pix and elements tables.

8. Table 22. Note "Caused by" entry for end of JobProcessing state.

- Replaced with Initiating cause and terminating cause.

9. Table 30 and elsewhere,
   - certain "Keyword Groups" are unclear or unspecified. Is ContentTypeType valid? See Item 11.
   - DestinationUriSchemes is not listed as an element, no keyword reference.
   - AI: Pete will investigate DestinationUriSchemes Type is list of strings, not keyword because of characters required in some URI schemes.

10. Table 31: WillBeCompletedWhenTicket not listed as an element in schema.

- Origin of this entry is unknown; it is eliminated.

11. Table 33 and elsewhere. Keyword group listed as NMTOKEN, none or <Simple Type Union>. Where are the keywords identified?

   - AI: Pete to investigate. See list at end of this document.

12. Table 39:

- CompressionFactor not listed as element;

- are JobPriority and JobSaveDisposition elements in the Job Ticket Document Processing set or JobProcessing set?.

- Is Rotation an int or a keyword?

- <mark>AI: Pete to investigate.</mark>

13. Fig 33. May want to replace with Spy Pic

- <mark>AI: Pete will provide</mark>

14. SystemStatus Summary Status?

15. Table 47. RestartAllServices ??

16. What to add to System?

Keyword reference questions. Some elements of the Keyword or list of Keywords type do not appear to reference a specific set of keywords. What are the appropriate keyword sets?

ContentType	list of keywords	main characteristics of a Document as supported by the Service. *ContentTypeType*

ContentType	keyword	main characteristics of the original Document. It is used as a hint to the Scan Service on how it should handle the scanning of the Hardcopy Document. *ContentTypeType*

Sides	keyword	the ability of the ScanMediaPath to scan multiple sides of an input media sheet. *SidesType*	[RFC2911] sides

NaturalLanguageConfigured	keyword	*<Simple Type Union>*

ErrorControlUsed	keyword	*NMTOKEN*

JobCreationElementsSupported	list of keywords	*NMTOKEN*

UserDefinedValuesSupported	list of keywords	*NMTOKEN*

JobMandatoryElements	list of keywords	identifies Ticket elements the Scanner must honor. The Service rejects the request for job creation if any of the listed elements are unsupported or contain values that the Service does not support. All of the remaining supplied elements are best effort. NMTOKEN

RepertoiresSupported	list of keywords	*none*

NaturalLanguageConfigured	keyword	*<Simple Type Union>*

6. Next Steps

- The next meeting will be on June 24th and 25th at the Face to Face in Webster NY.   Updates to the MFD specification and the associated schema will be made before the meeting. A FaxOut Service specification will also be made available that will be normatively dependent on the MFD specification.