1		PWG MFD	Working Group Face-to-Face Meeting Minutes				
2		At MPI Tech, Bagsværd, Denmark					
3		August 3, 2010					
4							
5	1.	Attendees:					
6		Nancy Chen,	Oki Data				
7		Ira McDonald*,	High North (representing Samsung)				
8		Joe Murdock,	Sharp Lab America				
9		Glen Petrie*,	Epson				
10		Ole Skov,	MPI Tech				
11		Mike Sweet*,	Apple				
12		Jerry Thrasher,	Lexmark				
13		Bill Wagner,	TIC				
14		Rick Yardumian,	Canon				
15		Peter Zehler,	Xerox				
16							
17		*Phone-in attendee					
18							
19	2.	Minutes Taker: Nancy Che	en				
20							
21	3.	PWG IP Policy:					
22			Peter Zehler announced that this meeting is held in accordance with PWG				
23		IP policy. No objection.					
24							
25	4.	Agenda:					
26		Session 1 (12:30-2:30): Requirements Document Last Call Comments Review, Overall Specification					
27			eview and discussion				
28 29			alk through FaxIn Job Lifecycle, Review and discuss Working Group Last Il Comments for Copy Service and FaxOut specifications				
30			view of MFD Model changes for IDS Health and new Cloud requirements				
31							
32	5.	Requirements Document Last Call Comments Review					
33	-	Link to comment resolutions document:					
34			/pwg/mfd/wd/mfdreq10-last-call-comment-resolution-20100722.txt				
35			ument updated with the resolutions ready for the PWG final vote:				
36		ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdreq10-20100722.pdf					
37		<u></u>					
38		Bill provided a brief summ	ary of the comments and corresponding resolutions. There was no				
39		•	objection to the resolutions for the Last Call comments.				
40							
41	6.	Review of MFD Model an	d Overall Semantics Document				
42	0.	Link to the document: <u>ftp://ftp.pwg.org/pub/pwg/mfd/wd/wd-mfdoverallmod10-20100730-rev.pdf</u>					
43							
44		Bill quickly walked attende	ees through the Overall document.				
45		Terminology Section:					
46			he multi-word terms in the terminology table eventually will have all				
47		-	space, unless it's a discussion of a XML Schema element.				

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48	Pete added that the element names used in PWG MFD Semantic XML Schema may be different
49	in a vendor-specific name mapping or different encoding. For example, some element names in
50	WS-Print is different from the one in PWG MFD XML Schema. Ira added that CIM mapping of
51	MFD semantic uses "." to denote the next level element. However for PWG standard
52	conformance, the semantics must be the same.
53	o Action Items:
54	 Destination: remove "(i.e. URI)" from the definition. Destination is a resource
55	location where data is stored.
56	 Destination URI: the URI that specifies the recipient of a digital document
57	transmission for FaxOut or EmailOut services. It contains URI, may also contain the
58	URI for the routing of the recipient. It is not an alternative term for Destination.
58 59	
	• Check the extra vertical line in two tables: page 13 & 15.
60	General Note on Page 34: In Liquid XML diagrams, pentagon shaped "Any" element represents
61	the extension of attributes. Rectangular shaped "Any" element is the extension of elements.
62	Section 3 Subunits:
63	o Action Items:
64	 Pete and Bill to align the spec and XML Schema with the latest changes in Power
65	Management specification regarding Power Model elements in subunits. These
66	should be common subunit elements. Ira will provide inputs for required changes
67	to Pete and Bill.
68	 Pete to provide missing references for FaxModem in Description table.
69	Section 4 Service Model Component Elements
70	o Action Items:
71	 Pete to rename the Service abstract base class. Rename
72	DefaultImagingServiceTicket to ImagingServiceDefaultJobTicket and add
73	"ImagingServiceAvailableJobTicket" in ImagingServiceType.
73 74	 Changes to Job Identification: currently it's 32bit integer ID, unique within a service.
75	For cloud and mobile printing applications, a job needs to be unique across all. Now
75 76	
	added 64-byte string encoded UUID per RFC4122 (e.g. urn:uuid:string-version-uuid,
77	a 128bit integer). These are mandatory attributes of a job.
78	 Same changes to Service Identification for UUID.
79	 Mandatory elements in JobType are: Time stamps, identifiers, state information
80	(job state and job state reason).
81	 JobUri in IPP defines a transport end point, not unique across domains. Some
82	private implementation use it to send a job operation to a job (as RFC2911 allows
83	but doesn't clarify).
84	 Change DefaultServiceTicket to ImagingServiceDefaultJobTicket
85	 Add a subsection for ImagingServiceAvailableJobTicket
86	 Pete to add to Schema: ImagingServiceConfiguration
87	 DocumentProcessingCapabilities –have only two elements in base class: NumberUp
88	and PresentationDirectionNumberUp.
89	 CrossFeed and Feed should be a sequence of integer for datatype.
90	 JobDescriptionCapabilities –
91	 Job and Resource Description Capabilities table – Remove
92	JobOriginatingPhoneNumber.
93	 Pete and Ira: in FaxIn, change SendingPhoneNumber and ReceivingPhoneNumber
94	to Originating/ReceivingUri in in FaxInMetrics which is contained in
95	AvailableFaxInJobTicketEntry.

96	0	JobProcessingCapabilities –
97		 Remove Destination & DestinationUriSchemes (list of strings), move to
98		DocumentProcessingCapabilities.
99		 Pete to make sure DestinationUriSchemes is in any service that stores
100		digital document at a location.
101		 Bill to include DestinationUriSchemes in JobProcessing(for FaxOut),
102		JobProcessingCapabilities, DocumentProcessing(for FaxIn, EmailIn, Scan),
103		DocumentProcessingCapabilities, and also in CapabilitiesReady and Tickets.
104		 Agreed that Destination is in DocumentProcessingCapabilities
105		 Agreed that CoverSheetInfo is in JobProcessingCapabilities
106		 Agreed that JobAccountingSheets is in Print Service's JobProcessing of
107		JobTicket, must be in JobProcessingCapabilities also, and common to
108		several services.
109		 AI: Pete to make sure everything in JobProcessing of JobTicket is
110		represented in JobProcessingCapabilities.
111		 Agreed that JobSaveDisposition is common to several services for resubmit
112		job operation.
113		 AI: Pete to add JobSaveDisposition to JobProcessing and
114		JobProcessingCapabilities of Print, Copy, FaxOut, EmailOut services
115		 Agreed that JobSheets applies to any service that handles hardcopy output.
116		 Agreed that MultipleSetOriginals applies to Scan and Copy.
117		 Agreed that NumberOfRetries applies to FaxOut and EmailOut, and should
118		be at both Service and Job level for both administrative and user control.
119		 Agreed to add another group element (RetryInfo?) that includes
120		NumberOfRetries, RetryInterval, and RetryTimeout at the Service level.
121	0	Service Description –
122	0	 The title: "ServiceDescription" should be separate words.
123		 Agreed to add two new elements to the Base Class: MessageFromOperator
124		and ServiceGeoLocation.
125		 GetEventLife: Agreed to the definition "the time after that event is
126		available to be reported". In RFC3996, it's a printer attribute to specify the
127		event value that the printer assigns to each event. It's the minimum time
128		an event is guaranteed to last for a "Get Event Notification" request in IPP.
129		 Agreed to add the description to DeviceId: "IEEE 1284 Device ID".
130		 Al: Pete and Bill to add RetryInfo to ServiceDescription.
131		 Pete will update the MFD XML Schema and provide Bill with changes
132		needed for the Overall document.
133	0	Service Status –
134	0	 Table 38: agreed to remove "unique with a scan service" from the
135		description of ID. Add "It's unique to the containing System".
136	o Sectio	n 5 Job Model
137	0 50000	Job Status –
138	0	 Agreed to add JobUuid in Element table.
139	0	Job Description –
140	0	 Agreed to remove "JobOriginatingUserUri" from Job Description XML
140		Diagram and add "JobOriginatingUri" to Job Status Element table.
141		 Agreed to move "JobOrignatingUserName" from Job Description to Job
142		
140		Status.

144		 Agreed to add user identity/authentication information: Pete to add
145		JobOriginatingUserAuthenticationInfo that is info necessary for user
146		authentication which is a Uri, or hex-binary for certificate or Kerberos
147		token, or others.
148		 Document Processing –
149		 NumberUp
150		 PresentationDirectionNumberUp: Add to description after "from the
150		input ScanRegion" – "or output page impression".
151		
		 Job Processing – Add print ich processing elements for Comy Service
153		 Add print job processing elements for Copy Service.
154		 Section 6 Document Model –
155		 Document Status: agreed to add DocumentNumber, DocumentUuid, JobUuid.
156		 Section 7 Service Operations and States
157		o General comments:
158		 Include JobStateReasons in JobState and ServiceStateReasons in Service.
159		 Service states should be covered in Service section which should also cover
160		ServiceStateReasons and extensions. This is applicable for all services.
161		Should state explicitly that PWG standard states and StateReasons have
162		been registered in IANA registry.
163		 AI: Pete to make sure Schema and IANA registry cover all service states and
164		state reasons, extensions in registry.
165		 Section 8 Counters & Timers
166		o General comments: Prefer to reference Counter spec. and MIB spec. to make sure
167		the consistency in semantics and terminology.
168		 Keep the Introduction of Section 8, remove subsections
169		 Keep figure 62: a nice conceptual model for roll-up counters
170		 Section 12 Security Considerations
171		- Change the first sentence to begin with "Most security considerations" and remove
172		"well" from the sentence.
173		 Agreed that the group will follow up with more email discussions to enhance the
174		content of this section.
175		
176	7	Discuss Working Group Last Call Comments for Conv Service and ExeCut specifications
	7.	Discuss Working Group Last Call Comments for Copy Service and FaxOut specifications
177		The updated Copy Service specification updated from the Working Group Last Call comments were
178		reviewed: http://ftp.pwg.org/pub/pwg/mfd/wd-wd-mfdcopymodel10-20100723.pdf
179		• Agreed that Section 4 should be a pointer to MFD Requirements document, and the rest of
180		subsections should points to the MFD Overall document.
181		• Terminology section will be updated to include only Schema names used, the rest of terms
182		will refer to the MFD Overall document.
183		• Pete will email the Working Group the prototype report for FaxOut Service, and Working
184		Group Last Call will begin after this meeting.
185		
186	8.	FaxIn Job Lifecycle Walk Through
187		 A FaxIn job may be created by FaxIn Service using AvailableFaxInJobTicket (if available) or
188		else DefaultFaxInJobTicket. An AvailableFaxInJobTicket is used to determine which Job
189		Ticket is to be used when creating the associated FaxIn Job. The Default <service>JobTicket</service>
190		is mandatory to FaxIn Service and to all MFD services that create jobs internally (e.g.,
191		EmailIn Service).

192	0	Job-Save and Resubmit-Job do not apply to FaxIn job. Resubmitting a saved FaxIn job might
192	0	
193		have the job DateTime changed which would violate regulatory compliance. A FaxIn
194		document, if not printed according to document processing instruction, should be saved
195		internally by FaxIn Service, and can be reprinted later, which is processed as a new Print
196		Service job, with the original FaxIn header information burned into the FaxIn document
197		data. A FaxIn Service can cache a FaxIn job internally and have both Destination for
198		document storage (archiving the FaxIn document) and Destination URI (for emailing out the
199		FaxIn document to recipients). Hence, there is a result status for each FaxIn job which can
200		be logged for regulatory compliance, then the FaxIn document can be printed, or emailed
201		as a new job. JobSave applies to FaxOut job, which can be resubmitted to retry the FaxOut
202		job, e.g. for FaxOut failed the first time.
203	0	AI: Pete and Ira to work on FaxIn operations and additional Power Management elements

- Al: Pete and Ira to work on FaxIn operations and additional Power Management elements
 required in subunits of MFD System.
 Al: Pete to create WSDL file for FaxIn.
- 205 o AI: Pete to create WSDL file for FaxIn.206

207 9. Next Steps

208

• Next teleconference is August 26, Thursday, 2010, 3pm EDT.