From: thrasher@lexmark.com
Sent: Wednesday, July 21, 2004 1:15 PM

There are a couple of items I noticed but should be able to be handled during
Last Call as last call comments.

1. We do in fact mention the PSI Developers Guide in Section 3 (the
Overview......)

2. We never really discussed the compliance requirements of the ...???Events
parameters (Job, Document, Vendor etc...) I put them all in the tables as
"Optional to Provide" in this draft....

JT

-----Original Message-----
From: Masanori ITOH [mailto:ito@src.ricoh.co.jp]
Sent: Tuesday, July 27, 2004 2:08 AM

P.25
   5.4.2 GetTargetDeviceElements
      Parameters: 'requestedPrinterElements:RequestedElements'

   There is no type definition of 'RequestedElements' in 'Printer.xsd'
   file, but in 'PwgCommon.xsd' file.

     i.e. ...... Semantic Model [PWG5105.1] Printer.xsd
        -> ...... Semantic Model [PWG5105.1] PwgCommon.xsd

P.26
   5.4.3 GetKnownTargetDevices
      Parameters: 'printerFilterElements:Printer'

   Does the sentence '(Give an example of a printerFilterElemets)'
   mean '16.2 printerFilterElements : Printer' in '16 Appendix B -
   Example XML Instance Objects (Informative)'
   So need to delete that?

   If needed, it may be good to make the sentence 'See example in Section
   16' be more in detail.

P.101
   '16 Appendix B - Example XML Instance Objects (Informative)'

   The version of the Semantic Model in namespace is old.

P.101
   '16.1 unsupportedElements : UnsupportedElements'

   What is 'C:\SEMANT~1\PwgObjects.xsd' ? Local file ?

```
P.101
   '16.2  printerFilterElements : Printer'

   This is the sample shown in PSI Spec. (omitted the unnecessary part)

      <?xml version="1.0" encoding="UTF-8"?>
      <n:Printer xmlns:n="http://www.pwg.org/schemas/sm/0.95/"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="http://www.pwg.org/schemas/sm/0.95/
      http://www.pwg.org/schemas/sm/0.95/PwgSemanticModel.xsd">
            <n:PrinterDescription>
                  :
                  :
            </n:PrinterDescription>
            <n:PrinterStatus>
                  :
                  :
            </n:PrinterStatus>
      </n:Printer>

   'Printer' is the TYPE, but not the ELEMENT of parameter
   'printerFilterElements'.
   So the sample above is strange. Element 'Printer' should not
   be expressed , but in the sample it is expressed.
   Because in 'Priner.xsd' file, the type 'Printer' is defined
   as follows.

    <xsd:complexType name="Printer">
          <xsd:sequence>
                <xsd:element ref="PrinterDescription" minOccurs="0" />
                <xsd:element ref="PrinterStatus" minOccurs="0" />
                <xsd:element ref="ProcessingDefaults" minOccurs="0" />
                <xsd:element ref="ProcessingReady" minOccurs="0" />
                <xsd:element ref="ProcessingSupported" minOccurs="0" />
                <xsd:any namespace="##any" minOccurs="0" maxOccurs="unbounded"
/>
          </xsd:sequence>
     </xsd:complexType>

   If the parameter 'printerFilterElements' is expected to use
   like the sample above, the definitions of 'GetKnownTargetDevices'
   need to be done as follows.

   ==WSDL-Example(A)==

    <xsd:complexType name="Printer">
          <xsd:sequence>
                <xsd:element ref="pwgsm:Printer" minOccurs="0"
maxOccurs="unbounded"/>
          </xsd:sequence>
     </xsd:complexType>

    <xsd:element name="GetKnownTargetDevices">
          <xsd:complexType>
                <xsd:sequence>
                      <xsd:element name="targetDeviceIdentifierFilter"
type="xsd:anyURI"/>
```

```
                        <xsd:element name="printerFilterElements"
type="tns:Printer"/>
                    </xsd:sequence>                                    ^^^
            </xsd:complexType>
      </xsd:element>

      (In the file 'Print.xsd', there is the definition of ELEMENT 'Printer'
        like this.      <xsd:element name="Printer" type="Printer" />     )

    But strictly in accordance with PSI spec, the definition of
    'GetKnownTargetDevices' is as follows.
    This sample is same as ServiceCapabilitiesInterface.wsdl (20030411).

    ==WSDL-Example(B)==

     <xsd:element name="GetKnownTargetDevices">
            <xsd:complexType>
                  <xsd:sequence>
                        <xsd:element name="targetDeviceIdentifierFilter"
type="xsd:anyURI"/>
                        <xsd:element name="printerFilterElements"
type="pwgsm:Printer"/>
                  </xsd:sequence>                                    ^^^^^
            </xsd:complexType>
      </xsd:element>

    So there should be no element name called 'Printer' in the sample.
    How do you think ?

--------------------------------------------------------------------
P.101
   '16.3  jobFilterElements : Job'

    Same as '16.2  printerFilterElements : Printer' above.


--------------------------------------------------------------------
P.102
   '16.4 documentFilterElements : Document'

    Same as '16.2  printerFilterElements : Printer' above.


Cheers,
Masa.
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-----Original Message-----
From: Masanori ITOH [mailto:ito@src.ricoh.co.jp]
Sent: Monday, August 02, 2004 6:07 AM

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--------------------------------------------------------------------
P.57
   5.6.2 FetchNextJob
     Returns:  sendJobNotifications : JobEvents
       'A collection of Job Events as defined by the JobEvents element
        in the Semantic Model [PWG5105.1] Events.xsd.'
```

'FetchNextJob' is for a single Job. Because the return of this method
'jobURI' indicates a sigle job. But the description of the return
is 'A collection of Job Events ...' to explain that there is not a
SINGLE job, but are plural jobs.
I think a 'collection' does not exist. If a 'collection' exists,
that is not a collection of job events ('events' is a plural form),
but of job event. ('event' is a singular form.)
(The type 'JobEvents' is defined like a collection of Job Event in
'Events.xsd'.)

So I think it is good 'A jobEvents element of type JobEvents as defined
by the Semantic Model [PWG5105.1] Events.xsd' in that description.

P.60
   5.6.4 FetchNextDocumentByPull
     Returns: sendDocumentNotifications : DocumentEvents
       'A collection of Document Events as defined by the DocumentEvents
        element in Semantic Model [PWG5105.1] Events.xsd.'

    'FetchNextDocumentByPull' is for a single Document.
    If this single method deals with plural documents, how a document
    can be correspond to its event in a collection of document events ?
    I think a 'collection' does not exist. If a 'collection' exists,
    that is not a collection of document events ('events' is a plural form),
    but of document event. ('event' is a singular form.)
    (The type 'DocumentEvents' is defined like a collection of Document
    Event in 'Events.xsd'.)

    So I think it is good 'A DocumentEvents element of type DocumentEvents
    as defined by the Semantic Model [PWG5105.1] Events.xsd' in that
    description.

P.62
   5.6.6 FetchNextDocumentByValue
     Returns: sendDocumentNotifications : DocumentEvents
       'A collection of Document Events as defined by the DocumentEvents
        element in Semantic Model [PWG5105.1] Events.xsd.'

    Same as '5.6.4 FetchNextDocumentByPull' .

P.82
   7.4 InterfaceIdentifier

    Line 30
      <xsd:element name="InterfaceIdentifier" type="intf:InterfaceIdentifier"/>

    The first character of element name 'InterfaceIdentifier' is a small letter.
    See '5.3.3 QueryInterfaceDefinition' (P.22) or '5.3.2
QuerySupportedInterfaces'
    (P.21). ('QuerySupportedInterfaces' has plural form of
'interfaceIdentifier',
    'interfaceIdentifiers' .)

Some figures of method sequence example have mistakes.
Those are in parameters or returns of methods.

    Fig. 5, 7, 8, 9, 10, 12

Cheers,
Masa.