

WS-HT 1.1 Defects

Type	Defect
Resource	ws-humantask-types.xsd
Description	<p>Missing enumerations in tTaskEventType:</p> <pre><xsd:enumeration value="deleteComment"/> <xsd:enumeration value="updateComment"/></pre> <p>Section "4.11.1 Task Event Types and Data" lists task event types and data, but the enumeration in the schema is missing deleteComment and updateComment.</p>

Type	Enhancement
Resource	ws-humantask-types.xsd
Description	<p>Suggest that two new tTaskEventType enumerations be added:</p> <pre><xsd:enumeration value="exited"/> <xsd:enumeration value="faulted"/></pre> <p>These two event types correspond to section "8.1 Human Task Coordination Protocol Messages" and might be interesting event types to be part of the task history.</p>

Type	Defect
Resource	ws-humantask-types.xsd
Description	<p>Enumeration for deleteAttachment should be camel case. For example the schema currently defines:</p> <pre><xsd:enumeration value="deleteattachment"/></pre> <p>but should be</p> <pre><xsd:enumeration value="deleteAttachment"/></pre>

Type	Defect
Resource	ws-humantask-types.xsd
Description	<p>ComplexType tFaultData is a duplicate of tFault. I would prefer tFault over tFault data because tFault already defines child element faultData.</p> <p>Here is the definition of tFault:</p> <pre><xsd:complexType name="tFault"> <xsd:sequence> <xsd:element name="faultName" type="xsd:NCName"/> <xsd:element name="faultData" type="xsd:anyType"/> </xsd:sequence> </xsd:complexType></pre> <p>And here is tFaultData:</p> <pre><xsd:complexType name="tFaultData"> <xsd:sequence> <xsd:element name="faultName" type="xsd:NCName"/> <xsd:element name="faultData" type="xsd:anyType"/> </xsd:sequence> </xsd:complexType></pre>

Type	Defect
Resource	ws-humantask.xsd

Description	<p>Section “4.4 Task Possible Outcomes” defines an element possibleOutcomes with child element of possibleOutcome, but neither complexType tPossibleOutcomes or child type tPossibleOutcome are defined in the schema. The following complexTypes need to be defined:</p> <pre> <xsd:complexType name="tPossibleOutcomes"> <xsd:complexContent> <xsd:extension base="tExtensibleElements"> <xsd:sequence> <xsd:element name="possibleOutcome" type="tPossibleOutcome" maxOccurs="unbounded" /> </xsd:sequence> </xsd:extension> </xsd:complexContent> </xsd:complexType> <xsd:complexType name="tPossibleOutcome"> <xsd:complexContent> <xsd:extension base="tExtensibleElements"> <xsd:sequence> <xsd:element name="outcomeName" type="tText" maxOccurs="unbounded" /> </xsd:sequence> </xsd:extension> </xsd:complexContent> </xsd:complexType> </pre>
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Type	Defect
Resource	ws-humantask.xsd
Description	<p>Possible outcomes element missing from tTaskBase complexType.</p> <p>Need to add the following element to abstract complexType tTaskBase:</p> <pre> <xsd:element name="possibleOutcomes" type="tPossibleOutcomes" minOccurs="0" /> </pre>

Type	Defect
Resource	ws-humantask.xsd

Description	<p>Possible outcomes element missing from tTask complexType.</p> <p>Need to add the following element to complexType tTask:</p> <pre><xsd:element name="possibleOutcomes" type="tPossibleOutcomes" minOccurs="0" /></pre>
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Type	Defect
Resource	ws-humantask.xsd
Description	<p>Possible outcomes element missing from tLeanTask complexType.</p> <p>Need to add the following element to the schemas tLeanTask complexType.</p> <pre><xsd:element name="possibleOutcomes" type="tPossibleOutcomes" minOccurs="0" /></pre>

Type	Defect
Resource	ws-humantask.xsd

Description	<p>Section “4.6 <i>Elements for Composite Tasks</i>” illustrates an example of a subtask definition using <code>toParts</code>, e.g.</p> <pre> <htd:subtask name="NCName">+ (<htd:task> ... </htd:task> <htd:localTask reference="QName"> standard-overriding-elements ... </htd:localTask>) <htd:toParts?> <htd:toPart part="NCName" expressionLanguage="anyURI">+ XPath expression </htd:toPart> </htd:toParts> </htd:subtask> </pre> <p>but the schema as written does not support the <code>toParts</code> element.</p> <p>The current <code>complexType</code> definition:</p> <pre> <xsd:complexType name="tSubtask"> <xsd:complexContent> <xsd:extension base="tExtensibleElements"> <xsd:choice> <xsd:element name="task" type="tTask" /> <xsd:element name="localTask" type="tLocalTask" /> </xsd:choice> <xsd:attribute name="name" type="xsd:NCName" use="required" /> </xsd:extension> </xsd:complexContent> </xsd:complexType> </pre> <p>should be changed to:</p> <pre> <xsd:complexType name="tSubtask"> <xsd:complexContent> <xsd:extension base="tExtensibleElements"> <xsd:sequence> <xsd:choice> <xsd:element name="task" type="tTask"/> <xsd:element name="localTask" type="tLocalTask" /> </xsd:choice> <xsd:element name="toParts" type="tToParts" minOccurs="0" /> </xsd:sequence> <xsd:attribute name="name" type="xsd:NCName" use="required" /> </xsd:extension> </xsd:complexContent> </xsd:complexType> </pre>
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Type	Defect
Resource	ws-humantask-api.wsdl
Description	<p>GetTaskHistoryResponse should be a collection of tTaskEvent and not tTaskEventType.</p> <p>Currently the schema defines complexType</p> <pre><xsd:element name="getTaskHistoryResponse"> <xsd:complexType> <xsd:sequence> <xsd:element name="taskEvent" type="htt:tTaskEventType" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element></pre> <p>but it seems like it would be more correct to replace htt:tTaskEventType with a reference to element htt:taskEvent like so:</p> <pre><xsd:element name="getTaskHistoryResponse"> <xsd:complexType> <xsd:sequence> <xsd:element ref="taskEvent" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element></pre> <p>In addition, it might be more consistent to change the element definition taskEvent, which has an anonymous complexType, to a named complex type like tTaskEvent. This way the element in getTaskHistoryResponse can use a type rather than reference.</p>