IHE Change Proposal

Tracking information:

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| --- | --- |
| IHE Domain | ITI |
| Change Proposal ID: | CP-ITI-xxx |
| Change Proposal Status: | Assigned |
| Date of last update: | April 2, 2012 |
| Person assigned: | Lynn Felhofer and Arsenàl.IT team |

Change Proposal Summary information:

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| Address XDW inconsistencies |
| Submitter’s Name(s) and e-mail address(es): | Lynn Felhofer (felhofer@charter.net) |
| Submission Date: | March 23, 2012 |
| Integration Profile(s) affected: | XDW |
| Actor(s) affected: | Content Creator & Updater |
| IHE Technical Framework or Supplement modified: | XDW TI Supplement 10/3/2011 |
| Volume(s) affected: | Vol 1 and 3 |
| Rationale for Change:*The following items were identified while writing test cases for XDW in preparation for the EU2012 connectathon. Although there are multiple items, the nature of the changes is similar, so they are combined here in one CP:*1. We redefine element XDWTask/taskData as type tXDWTaskInstanceData. This type is defined by IHE.
2. Inside the element XDWTask/taskData:
* Redefine elements taskData/input and taskData/output as taskData/taskInput and taskData/taskOutput. Changes are made in table 5.4.3-8.
* Delete elements taskData/renderings and taskData/attachmentInfo (prohibited by XDW). Changes are made in table 5.4.3-8.
1. Text at lines 908-919 shall be replaced by new text presented below and by the Figure 5.4.3-1

New text from line 908: “* **<taskData>**

***The element XDWTask/taskData, defined by IHE, is an element of type tXDWTaskInstanceData. It is structured in sub-elements described in the table 5.4.3-8. In specific:******an element taskData/taskInput (or taskData/taskOutput) is of type tAttachedDocument, that is a new type defined by IHE. The type tAttachedDocument is composed by a sequence of elements documentReference (table 5.4.3-10). Every element documentReference is added to the taskData/taskInput (or taskData/taskOutput) for each document referenced as input or output. The elements documentReference are of type ht:tAttachmentInfo that is a type defined by OASIS HumanTask. This type tAttachmentInfo is composed by attributes defined in table 5.4.3-11.******(Add Figure 5.4.3-1 reported below)****”*New tables are added “Table 5.4.3-10 taskInput/taskOutput Element” and “Table 5.4.3-11 documentReference Element”, the numbers of the following tables are shifted so the previous Table 5.4.3-10🡪became Table 5.4.3-12 and Table 5.4.3-11🡪Table 5.4.3-13.1. The new codification of elements taskData/taskInput and taskData/taskOutput are used to make the example compliant with the new description. (See the correct example below)
2. The valorization of the attributes of the element documentReference is presented in table 5.4.3-11.
3. Table 5.4.3-11 (line 930): element taskEvent/eventData should have an optionality of “R2” rather than “O”. That is, if the data elements that were changed by this event are known, they must be included in the workflow document. (The correction is reported in the table 5.4.3-11 below)
4. taskDetails/status element in table 5.4.3-9 is of type “ht:tStatus” instead “enumeration”. Changes are presented in the table below
5. taskEvent/status element in table 5.4.3-11 is of type “ht:tStatus” instead “ht:tStstus”. Changes are presented in the table below
6. taskData/taskDetails/taskStakeholders in table 5.4.3-9 isn’t a required element, it is an optional element (The correction is reported in the table 5.4.3-9 below).
7. In text, and in Figure 30.4.2.1.1-1there are many inconsistencies with the specification of values taskDetails/status recommended by OASIS (change the word in capital letters):
	* 1. Lines 513-516, text is changed in this way: *“When a person or organization has been assigned as owner of a task, the task is placed under execution. (It moves from a “****~~created~~CREATED****” or “****~~ready~~READY****” status to an “****~~in progress~~IN\_PROGRESS****” status).* *When the expected activity(ies) is completed successfully the task moves to the* ***~~completed~~******“COMPLETED”*** *status, otherwise to the “****~~failed~~FAILED****” status (for the state diagram see ITI TF 3: 5.4.2.4).”*
		2. Line 595:*“a task status “****~~Completed~~COMPLETED****””*
		3. Line 618*: “a task status “****~~In Progress~~IN\_PROGRESS****””*
		4. Line 629*: “a task status “****~~In Progress~~IN\_PROGRESS****””*
		5. Line 937: *“the first task has been created in status “****~~Completed~~COMPLETED****” and so it has only one taskEvent in the taskEventHistory; ”*
		6. Line 939: *“the second task ends the process in status “****~~Completed~~COMPLETED****” and it has two taskEvent.”*
		7. Changes in figure 30.4.2.1.1-1 are presented in the figure below
		8. In table 5.4.2.4-1: Task status “IN PROGRESS” is changed in “IN**\_**PROGRESS”
		9. In figure 5.4.2.4-1: “IN PROGRESS” shall be changed in “IN**\_**PROGRESS”.
8. In table 5.4.3-9 element renderingMethodExists is a required element, forced to have a value of “false”.

(The correction is reported in the table 5.4.3-8 below).1. There are inconsistencies between definition of elements in tables and in the standard specifications (change the upper case with lower case) they belong to:
	* 1. Table 5.4.3-8: Element “Input” is changed in “input”
		2. Table 5.4.3-8: Element “Output” is changed in “output”
		3. Table 5.3.4-8: Element “Fault” is changed in “fault”
		4. Table 5.4.3-9: Element “Id” is changed in “id”
		5. Table 5.4.3-9: Element “taskTypes” is changed in “taskType”
		6. Table 5.4.3-9: Element “Status” is changed in “status”
		7. Table 5.4.3-9: Element “Priority” is changed in “priority”
		8. Table 5.4.3-9: Element “Escaleted” is changed in “\_scalated”
		9. Table 5.4.3-9: Element “Outcome” is changed in “outcome”
		10. Table 5.4.3-11: Element “Id” is changed in “id”
		11. Table 5.4.3-11: Element “Identifier” is changed in “identifier”
		12. Table 5.4.3-11: Element “Principal” is changed in “principal”
		13. Table 5.4.3-11: Element “Status” is changed in “status”
2. Sec 5.4.4: (line 940) The example included in this section contains the following inconsistencies with the specification of the workflow document describe in the text (See the correct example reported below):
	1. patient/id would be encoded like: <ns3:id root=”1.3.6.1.4.1.21367.13.20.1000” extension=”3333” assigningAuthorityName=IHERED”/>
	2. XDW specification recommends that the workflowDefinitionReference should be an OID (eg urn:oid:….), rather than the name of a document like in the example
	3. taskData/taskDetails/actualOwner is a required element, it shall be present in the example
	4. taskData/taskDetails/createdBy is a required element, it shall be present in the example.
	5. taskData/taskDetails/renderingMethodExists in Table 5.4.3-9 is a required element and forced to have a value of “false”.
	6. The description element shall be valorized with a dummy value in the example.
	7. Encoding of the input & output elements is now compliant to XDW specification.
3. For some XDW implementors, it was unclear about how when to update the **XDWdocumentHistory** element. This CP proposes changes to clarify its use. In summary:
	1. Make XDWDocumementHistory a mandatory element, ie the original creator of the workflow document must create a <document> containing details of the first workflowStatus
	2. Change the name of the element XDWdocumentHistory to workflowStatusHistory to more closely reflect its purpose
	3. Provide a description for each element within the workflowStatusHistory
	4. Define a new element workflowStatusHistory/documentEvent/<taskEventIdentifier> to track the reference to the taskEvent that solicits the change of the workflowStatus
	5. Clarify comments in the schema
	6. Add a description for the element taskEvent/eventType in table 5.4.3-11
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| ***Editor:*** *In Vol 1, Section 30.4.1.2, update the text below Firgure 30.4.1.2-1 as follows:* |

The Task and Task Events include references to clinical or administrative input/output documents to the Task or Task Event:

* The **task**Input attribute contains references to documents that are relevant for workflow participants in performing the Task. For example, for a performed examination, this could contain a reference to a referral request. It may also contain references to "parent" workflows to which this workflow is a "child".
* The **task**Output attribute contains references to documents that were produced as a result of performing this Task. For example, this could contain a reference to a report written by a specialist. It may also contain references to "child" workflows initiated by this workflow as a parent.

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| ***Editor:*** *In Vol 1, Section 3.4.2.1.1, update Figure 30.4.1.1-1 as follows:*  |

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**Figure 30.4.2.1.1-1. Management of the Workflow Document**

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| ***Editor:*** *Make the following changes in the XDW TI Supplement, Vol 3. Update figure 5.4.2-1 to add the <workflowStatusHistory> element*  |



**Figure 5.4.2-1** **XDW.WorkflowDocument Structure**

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| ***Editor:*** *add the text and image below to better describe the structure of the element workflowStatusHistory. In Vol 3, Section 5.4.2.2, at line 788 after the <workflowStatus> element , add:* |

…

* <workflowStatus> This shall be either

OPEN– which means that further updates are expected for this Workflow Document.

 These updates could be modifications to existing tasks or addition of new tasks or addition of new tasks or update to an existing task. Tasks shall not be deleted.

CLOSED– which means that further updates to this Workflow Document are not expected. A workflow with a CLOSED workflowStatus may continue to be updated, 785 after which the value of workflowStatus may be transitioned back to OPEN or remain CLOSED. These constraints will be defined by the Workflow Definition referenced.

* **<workflowStatusHistory> This element represents the history of changes of status of the workflow document. It consists of sub-elements named documentEvent. Each documentEvent describes a change of status of the workflow document. In case that the workflowDefinitionReference describes a type of workflow that can’t change its status from CLOSED to OPEN, the workflowStatusHistory contain at most two documentEvent elements, one for the opening of the workflow corresponding to the creation of the workflow document, and one to track the closing of the process related. Instead, if the workflowDefinitionReference permits the change of status from CLOSED to OPEN (e.g. OPEN-->CLOSED-->OPEN…) the element workflowStatusHistory will contain from 1 to N documentEvent elements to track these changes. A documentEvent is described by sub-elements defined in Table 5.4.3-5.**
* <workflowDefinitionReference>. …

****

**Figure 5.4.2.2-1 workflowStatusHistory Element**

***Editor:*** *Make the following changes in the XDW TI Supplement, Vol 3 Section 5.4.2.4 line 837-83):*

…..~~In anticipation of the use of XDW in a cross-community environment, each document reference includes both the document uniqueID and homeCommunityID.~~ ….When the XDW profile will be extended in a cross-community environment, each document reference will include both uniqueID and homeCommunityID.

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| ***Editor:*** *Make the following changes in the XDW TI Supplement, Vol 3 Table 5.4.2.4-1 (add highlighted underscore):* |

Table 5.4.2.4-1 Description of Task Status

| Task status | Description |
| --- | --- |
| … | … |
| IN**\_**PROGRESS | The task is started and the owner is performing the task actions |
| … | … |

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| ***Editor:*** *Make the following changes in the XDW TI Supplement, Vol 3 Table 5.4.3-1* |

* <XDW.WorkflowDocument>

Table 5.4.3-1 Elements of the Workflow Document

| XDW.WorkflowDocument element | Standard | Data Type | Optionality | Description |
| --- | --- | --- | --- | --- |
| id | HL7 CDA | CDA:II | R | Document ID |
| … | … | … | … | … |
| workflowStatus | IHE | xs:token | R | OPEN if modifications are permitted to the document contents. CLOSED if modifications are not expected **but depending on the rules defined by workflow definition reference.** |
| **~~XDWDocumentHistory~~workflowStatusHistory** | IHE | **~~XDWdocumentHistory\_type~~workflowStatusHistory\_type** | **~~O~~** **R** | List of changes of the workflowStatusSee table 5.4.3-4 |
| workflowDefinitionReference | IHE | **…** | … | … |
| … | … | … | … | … |

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| ***Editor:*** *Make the following changes in the XDW TI Supplement, Vol 3 Table 5.4.3-4* |

* ~~<XDWdocumentHistory>~~<workflowStatusHistory>

Table 5.4.3-4 ~~XDWdocumentHistory~~workflowStatusHistory Element

| ~~TaskList element~~ workflowStatusHistory element | Standard | Data Type | Optionality | Description |
| --- | --- | --- | --- | --- |
| documentEvent | **~~OASIS\_WS-HumanTask`~~****IHE** | tXDWdocumentEvent\_type | R | A detailed event that represents a change of the workflowStatus.**The first documentEvent element is added when the workflow document is created.****A documentEvent element is then added whenever the workflowStatus of the workflow document changes.**See Table 5.4.3-5 |

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| ***Editor:*** *Make the following changes in the XDW TI Supplement, Vol 3 Table 5.4.3-5* |

* <documentEvent>

Table 5.4.3-5 documentEvent Element

| ~~TaskList element~~documentEventelement | Standard | Data Type | Optionality | Description |
| --- | --- | --- | --- | --- |
| eventTime | IHE | xs:dateTime | R | **Time when the specific documentEvent element is added to the workflow document.**  |
| eventType | OASIS\_WS-HumanTask | Ht:tTaskEventType | R | **The type of event that happen that solicits the modification of the workflowStatus. It should be valorized with one of these types: create, stop, suspend,resume, fail, complete.** **These types are defined in the HumanTask specification (C. WS-HumanTask Data Types Schema, <!-- Defines the human task event types -->).**  |
| **~~startAuthor~~** | **~~IHE~~** | **~~xs:string~~** | **~~O~~** | **~~Actual owner of the task before the event~~** |
| **taskEventIdentifier** | **IHE** | **xs:anyURI** | **R** | **Element that permit to track the reference to the taskEvent that solicits the modification of the workflowStatus. It stores the same value of the element taskEvent/identifier of the taskEvent of reference.**  |
| **~~endAuthor~~author** | IHE | xs:string | **~~O~~ R** | Actual owner of the **~~task~~** **workflow** after the event |
| previousStatus | IHE | **~~Ht:tStatus~~xs:token** | R | **The previous value of workflowStatus. Either “OPEN” or “CLOSED”. In case of a Workflow Document just created this element shall be valorized with “”** |
| **actualStatus** | **IHE** | **xs:token** | **R** | **Equal to the current value of the workflowStatus element. Either “OPEN” or “CLOSED”.** |

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| ***Editor:*** *Make the following change in the XDW TI Supplement, Vol 3 Table 5.4.3-8 and in text immediately following the table.* |

* <XDWTask>

Table 5.4.3-7 XDWTask Element

| XDWTask element | Standard | Data Type | Optionality | Description |
| --- | --- | --- | --- | --- |
| taskData | IHE | t**XDW**TaskInstanceData | R | Description of the current task (status, inputs, outputs, etc.)See Table 5.4.3-8 |
| taskEventHistory | OASIS\_WS-HumanTask | tXDWeventHistory | R | History of the changes to the current task (dates, changes, etc.)See Table 5.4.3-1**~~0~~2** |

* <taskData>

***The element XDWTask/taskData, defined by IHE, is an element of type tXDWTaskInstanceData. It is structured in sub-elements described in the Table 5.4.3-8. In specific:***

***an element taskData/taskInput (or taskData/taskOutput) is of type tAttachedDocument, that is a new type defined by IHE. The type tAttachedDocument is composed by a sequence of elements documentReference (Table 5.4.3-10). An element documentReference is added to the taskData/taskInput (or taskData/taskOutput) for each document referenced as input or output. The elements documentReference are of type ht:tAttachmentInfo that is a type defined by OASIS HumanTask. This type tAttachmentInfo is composed by attributes defined in Table 5.4.3-11.***

**Figure 5.4.3-1 Composition of element taskInput/taskOutput**

Table 5.4.3-8 taskData Element

| taskData element | Standard | Data Type | Optionality | Description |
| --- | --- | --- | --- | --- |
| Create | View | Update |
| taskDetails | OASIS\_WS-HumanTask | ht:tTaskDetails | R | R | R | See table 5.4.3-**~~9~~12** |
| … | … | … | … | … | … | … |
| **task**Input | **~~OASIS\_WS-HumanTask~~****IHE** | **~~tMessagePartsData~~ tAttachedDcoument** | R  | R  | R  | **See Table 5.4.3-10**. |
| **task**Output | **~~OASIS\_WS-HumanTask~~****IHE** | **~~tMessagePartsData~~ tAttachedDocument** | R  | R  | R  | **See Table 5.4.3-10.** |
| **~~F~~f**ault | OASIS\_WS-HumanTask | **ht:**tFaultData | O | R | O | Description of fault |
| **~~renderings~~** | **~~OASIS\_WS-HumanTask~~** |  | **~~X~~** | **~~X~~** | **~~X~~** | **~~Prohibited by XDW~~** |
| comments | OASIS\_WS-HumanTask | **~~tcomments~~xs:string** | O | R | O | Simple text comments about the task |
| **~~attachmentInfo~~** | **~~OASIS\_WS-HumanTask~~** |  | **~~X~~** | **~~X~~** | **~~X~~** | **~~Prohibited by XDW~~** |

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| *Editor: Make the following changes in the XDW TI Supplement, Vol 3 Table 5.4.3-9* |

Table 5.4.3-9 taskDetails Element

| taskDetails element | Standard | Data Type | Optionality | Description |
| --- | --- | --- | --- | --- |
| Create | View | Update |
| **~~I~~i**d | OASIS\_WS-HumanTask | xsd:anyURI | R | R | R | Internal ID for the task |
| taskType**~~s~~** | OASIS\_WS-HumanTask | Enumeration | R | R | R |  |
| **~~N~~n**ame | OASIS\_WS-HumanTask | xsd:Qname | R | R | R | The name of the task |
| **~~S~~s**tatus | OASIS\_WS-HumanTask | **~~Enumeration~~ ht:tStatus** | R | R | R | Recommend limiting values to the statuses described above. |
| **~~P~~p**riority | OASIS\_WS-HumanTask | htt:tPriority | O | R | O |  |
| … | … | … | … | … | … | … |
| taskStakeholders | OASIS\_WS-HumanTask | tOrganizationalEntity | **~~R~~O** | **~~R~~O** | **~~R~~O** |  |
| … | … | … | … | … | … | … |
| renderingMethodExists | OASIS\_WS-HumanTask | xsd:boolean | **~~X~~R** | **~~X~~R** | **~~X~~R** | **Value shall be “false”** |
| … | … | … | … | … | … | … |
| **~~E~~e**scaleted | OASIS\_WS-HumanTask | xsd:boolean | O | R | O |  |
| … | … | … | … | … | … |  |
| **~~O~~o**utcome | OASIS\_WS-HumanTask | xsd:string | X | X | X |  |
| … | … | … | … | … | … | … |

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| *Editor: Add new Table 5.4.3-10 and Table 5.4.3-11. Note that existing Tables -10 and -11 are renumbered below* |

* <taskInput>/<taskOutput>

Table 5.4.3-10 taskInput/taskOutput Element

| taskInput/taskOutputelement | Standard | Data Type | Optionality | Description |
| --- | --- | --- | --- | --- |
| Create | View | Update |
| **documentReference** | **IHE** | **tAttachmentInfo** | **R2**  | **R2**  | **R2**  | **See Table 5.4.3-11** |

* <documentReference>

Table 5.4.3-11 documentReference Element

| documentReferenceelement | Standard | Data Type | Optionality | Description |
| --- | --- | --- | --- | --- |
| Create | View | Update |
| **identifier** | **OASIS\_WS-HumanTask** | **xsd:anyURI** | **R** | **R**  | **R** | **URI reference to the input or output clinical document. This is the value of the 'uniqueId' attribute from the documents XDS documentEntry metadata.** |
| **name** | **OASIS\_WS-HumanTask** | **xsd:string** | **R** | **R** | **R** | **(\*)** |
| **accessType** | **OASIS\_WS-HumanTask** | **xsd:string** | **R** | **R** | **R** | **Fixed value: “urn:IHE:iti:2011:xdw:XDSregistered”** |
| **contentType** | **OASIS\_WS-HumanTask** | **xsd:string** | **R** | **R** | **R** | **(\*)** |
| **contentCategory** | **OASIS\_WS-HumanTask** | **xsd:anyURI** | **R** | **R** | **R** | **(\*)** |
| **attachedTime** | **OASIS\_WS-HumanTask** | **xsd:dateTime** | **R** | **R** | **R** | **(\*)** |
| **attachedBy** | **OASIS\_WS-HumanTask** | **tUser** | **R** | **R** | **R** | **(\*)** |

**(\*) If the value is unknown, the attribute may be left empty**

Table 5.4.3-~~10~~12 taskEventHistory Element

| taskEventHistory element | Standard | Data Type | Optionality | Description |
| --- | --- | --- | --- | --- |
| taskEvent | OASIS\_WS-HumanTask | taskEvent\_type | R | See Table 5.4.3-1**~~1~~3** |

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| *Editor: Make the following changes in the XDW TI Supplement, Vol 3 Table 5.4.3-11* |

Table 5.4.3-1~~1~~3 taskEvent Element

| taskEventelement | Standard | Data Type | Optionality | Description |
| --- | --- | --- | --- | --- |
| **~~I~~i**d | OASIS\_WS-HumanTask | xs:integer | R |  |
| … | … | … | … | … |
| **~~I~~i**dentifier | OASIS\_WS-HumanTask | xs:anyURI | R |  |
| **~~P~~p**rincipal | OASIS\_WS-HumanTask | xs:string | O |  |
| eventType | OASIS\_WS-HumanTask | ht:tTaskEventType | R | **Describes the type of the taskEvent. This element can be valued with one of: create, stop, suspend,resume, fail, complete.** **These types are defined in the HumanTask specification (C. WS-HumanTask Data Types Schema, <!-- Defines the human task event types -->).** |
| … | … | … | … |  |
| **~~S~~s**tatus | OASIS\_WS-HumanTask | ht:tSt**a~~s~~**tus | R |  |
| … | … | … | … | … |
| eventData | OASIS\_WS-HumanTask | xs:anyType | **~~O~~ R2** | This structure includes the data elements that were changed by this event. |
| … | … | … | … | … |

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| **Editor: I**n the XDW TI Supplement, Vol 3, Section 5.4.4 Complete Example, replace the existing example with the following: |

<?xml version="1.0" encoding="UTF-8"?>
<ns3:XDW.WorkflowDocument xmlns:ns1="urn:hl7-org:v3"
 xmlns:ns2="http://docs.oasis-open.org/ns/bpel4people/ws-humantask/types/200803"
 xmlns:ns3="urn:ihe:iti:2011:xdw"
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:ihe:iti:2011:xdw file:/XDW-2012-04-02.xsd">
 <ns3:id root="1.2.3.4.5"/>
 <ns3:effectiveTime value="20110401031520"/>
 <ns3:confidentialityCode code="1.24.3.3.3"/>
 <ns3:patient>
 <ns3:id root="1.3.6.1.4.1.21367.13.20.1000" extension="33333" assigningAuthorityName="IHERED"/>
 </ns3:patient>
 <ns3:author>
 <ns3:assignedPerson>
 <ns1:name>
 <ns1:family>Brum</ns1:family>
 <ns1:prefix>Dr.</ns1:prefix>
 </ns1:name>
 </ns3:assignedPerson>
 </ns3:author>
 <ns3:workflowInstanceID>urn:oid:1.2.3.4</ns3:workflowInstanceID>
 <ns3:workflowDocumentSequenceNumber>3</ns3:workflowDocumentSequenceNumber>
 <ns3:workflowStatus>CLOSED</ns3:workflowStatus>
 <ns3:workflowStatusHistory>
 <ns3:documentEvent>
 <ns3:eventTime>2011-03-28T10:00:12.0Z</ns3:eventTime>
 <ns3:eventType>create</ns3:eventType>
 <ns3:taskEventIdentifier> urn:oid:1.2.3.4.5</ns3:taskEventIdentifier>
 <ns3:author>Mr. Rossi</ns3:author>
 <ns3:previousStatus></ns3:previousStatus>
 <ns3:actualStatus>OPEN</ns3:actualStatus>
 </ns3:documentEvent>
 <ns3:documentEvent>
 <ns3:eventTime>2011-04-01T03:15:20.0Z</ns3:eventTime>
 <ns3:eventType>complete</ns3:eventType>
 <ns3:taskEventIdentifier> urn:oid:1.2.3.4.7</ns3:taskEventIdentifier>
 <ns3:author>Dr. Brum</ns3:author>
 <ns3:previousStatus>OPEN</ns3:previousStatus>
 <ns3:actualStatus>CLOSED</ns3:actualStatus>
 </ns3:documentEvent>
 </ns3:workflowStatusHistory>
 <ns3:workflowDefinitionReference>urn:oid:1.2.3.4.5.6.7.8.9</ns3:workflowDefinitionReference>
 <ns3:TaskList>
 <ns3:XDWTask>
 <ns3:taskData>
 <ns3:taskDetails>
 <ns2:id>1</ns2:id>
 <ns2:taskType>Requested</ns2:taskType>
 <ns2:name>ReferralRequested</ns2:name>
 <ns2:status>COMPLETED</ns2:status>
 <ns2:actualOwner>Mr. Rossi</ns2:actualOwner>
 <ns2:createdTime>2011-03-28T10:00:12.0Z</ns2:createdTime>
 <ns2:createdBy>Mr. Rossi</ns2:createdBy>
 <ns2:lastModifiedTime>2011-03-28T10:00:12.0Z</ns2:lastModifiedTime>
 <ns2:renderingMethodExists>false</ns2:renderingMethodExists>
 </ns3:taskDetails>
 <ns3:description>Request for a specialistic visit</ns3:description>
 <ns3:taskInput>
 <!-- one documentReference element for each document in input -->
 <ns3:documentReference> <!--ClinicalRepDoc1-->
 <ns2:identifier>urn:oid:1.2.3.4.4.1</ns2:identifier>
 <ns2:name>ClinicalRepDoc1</ns2:name>
 <ns2:accessType>urn:IHE:iti:2011:xdw:XDSregistered</ns2:accessType>
 <ns2:contentType></ns2:contentType>
 <ns2:contentCategory></ns2:contentCategory>
 <ns2:attachedTime>2011-03-28T10:00:12.0Z</ns2:attachedTime>
 <ns2:attachedBy>Mr. Rossi</ns2:attachedBy>
 </ns3:documentReference>
 </ns3:taskInput>
 <ns3:taskOutput>
 <!-- one documentReference element for each document in output -->
 <ns3:documentReference> <!--eReferralDoc1-->
 <ns2:identifier>urn:oid:1.2.3.4.4.2</ns2:identifier>
 <ns2:name>eReferralDoc1</ns2:name>
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 <ns2:attachedBy>Mr. Rossi</ns2:attachedBy>
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 </ns3:taskData>
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 </ns3:taskEventHistory>
 </ns3:XDWTask>
 <ns3:XDWTask>
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 <ns3:taskDetails>
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 <ns2:taskType>Referral Referred</ns2:taskType>
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 <ns2:status>COMPLETED</ns2:status>
 <ns2:actualOwner>Dr. Brum</ns2:actualOwner>
 <ns2:createdTime>2011-03-29T09:20:01.0Z</ns2:createdTime>
 <ns2:createdBy>Dr. Brum</ns2:createdBy>
 <ns2:lastModifiedTime>2011-04-01T03:15:20.0Z</ns2:lastModifiedTime>
 <ns2:renderingMethodExists>false</ns2:renderingMethodExists>
 </ns3:taskDetails>
 <ns3:description>Specialistic visit</ns3:description>
 <ns3:taskInput>
 <!-- one documentReference element for each document in input -->
 <ns3:documentReference> <!--eReferralDoc1-->
 <ns2:identifier>urn:oid:1.2.3.4.4.2</ns2:identifier>
 <ns2:name>eReferralDoc1</ns2:name>
 <ns2:accessType>urn:IHE:iti:2011:xdw:XDSregistered</ns2:accessType>
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 </ns3:documentReference>
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 <!-- one documentReference element for each document in input -->
 <ns3:documentReference> <!--ClinicalRepDoc2-->
 <ns2:identifier>urn:oid:1.2.3.4.4.4</ns2:identifier>
 <ns2:name>ClinicalRepDoc2</ns2:name>
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 <ns3:eventType>create</ns3:eventType>
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 <ns3:id>202</ns3:id>
 <ns3:eventTime>2011-04-01T03:15:20.0Z</ns3:eventTime>
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 <ns3:status>COMPLETED</ns3:status>
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 </ns3:TaskList>
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