We have a tool to create BPMN 2.0 models, called “*BPMN designer*”. The tool is built upon Eclipse Ecore metamodels and utilizes Sirius features. The metamodel is designed to model BPMN flow objects (Events, activities, gateways), connecting objects (sequence flow, message flow, association), swim lanes (Pool, lane, dark pool), and artifacts (data object, group, annotation). These four categories enable creation of simple business process diagrams (BPDs). BPDs also permit making new types of flow object or artifact, to make the diagram more understandable.

This is the “BPMN designer” metamodel:

<?xml version="1.0" encoding="UTF-8"?>

<ecore:EPackage xmi:version="2.0" xmlns:xmi="http://www.omg.org/XMI" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:ecore="http://www.eclipse.org/emf/2002/Ecore" name="bpmn2" nsURI="http://www.omg.org/spec/BPMN/20100524/MODEL-XMI"

nsPrefix="bpmn">

<eAnnotations source="http://www.obeonetwork.com/bpmn2/addons" references="#//BaseElement/description #//Process/decomposedBy #//Process/decomposes"/>

<eClassifiers xsi:type="ecore:EClass" name="Interface" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="operations" ordered="false"

lowerBound="1" upperBound="-1" eType="#//Operation" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="implementationRef" ordered="false"

eType="ecore:EClass http://www.eclipse.org/emf/2002/Ecore#//EObject"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="RootElement" abstract="true" eSuperTypes="#//BaseElement"/>

<eClassifiers xsi:type="ecore:EClass" name="BaseElement" abstract="true">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="id" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString" iD="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="extensionDefinitions" ordered="false"

upperBound="-1" eType="#//ExtensionDefinition"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="extensionValues" ordered="false"

upperBound="-1" eType="#//ExtensionAttributeValue" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="documentation" ordered="false"

upperBound="-1" eType="#//Documentation" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="description" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ExtensionDefinition">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="extensionAttributeDefinitions"

ordered="false" upperBound="-1" eType="#//ExtensionAttributeDefinition" containment="true"

eOpposite="#//ExtensionAttributeDefinition/extensionDefinition"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="id" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString" iD="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ExtensionAttributeDefinition">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="type" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isReference" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="extensionDefinition" ordered="false"

lowerBound="1" eType="#//ExtensionDefinition" eOpposite="#//ExtensionDefinition/extensionAttributeDefinitions"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="id" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString" iD="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ExtensionAttributeValue">

<eStructuralFeatures xsi:type="ecore:EReference" name="valueRef" ordered="false"

eType="ecore:EClass http://www.eclipse.org/emf/2002/Ecore#//EObject"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="value" ordered="false"

eType="ecore:EClass http://www.eclipse.org/emf/2002/Ecore#//EObject" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="extensionAttributeDefinition"

ordered="false" eType="#//ExtensionAttributeDefinition"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="id" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString" iD="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Documentation" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="text" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="textFormat" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"

defaultValueLiteral="text/plain"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Operation" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="inMessageRef" ordered="false"

lowerBound="1" eType="#//Message"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outMessageRef" ordered="false"

eType="#//Message"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="errorRefs" ordered="false"

upperBound="-1" eType="#//Error"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="implementationRef" ordered="false"

eType="ecore:EClass http://www.eclipse.org/emf/2002/Ecore#//EObject"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Message" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="itemRef" ordered="false"

eType="#//ItemDefinition"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ItemDefinition" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="itemKind" ordered="false"

lowerBound="1" eType="#//ItemKind"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="structureRef" ordered="false"

lowerBound="1" eType="ecore:EClass http://www.eclipse.org/emf/2002/Ecore#//EObject"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isCollection" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="import" ordered="false"

eType="#//Import"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EEnum" name="ItemKind">

<eLiterals name="Physical"/>

<eLiterals name="Information" value="1"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Import">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="importType" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="location" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="namespace" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="id" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString" iD="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Error" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="structureRef" ordered="false"

eType="#//ItemDefinition"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="errorCode" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="EndPoint" eSuperTypes="#//RootElement"/>

<eClassifiers xsi:type="ecore:EClass" name="Auditing" eSuperTypes="#//BaseElement"/>

<eClassifiers xsi:type="ecore:EClass" name="GlobalTask" eSuperTypes="#//CallableElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="resources" ordered="false"

upperBound="-1" eType="#//ResourceRole" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CallableElement" abstract="true" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="ioSpecification" ordered="false"

eType="#//InputOutputSpecification" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="supportedInterfaceRefs"

ordered="false" upperBound="-1" eType="#//Interface"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="ioBinding" ordered="false"

upperBound="-1" eType="#//InputOutputBinding" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="InputOutputSpecification" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="inputSets" ordered="false"

upperBound="-1" eType="#//InputSet" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outputSets" ordered="false"

upperBound="-1" eType="#//OutputSet" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="dataInputs" ordered="false"

upperBound="-1" eType="#//DataInput" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="dataOutputs" ordered="false"

upperBound="-1" eType="#//DataOutput" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="InputSet" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="dataInputRefs" ordered="false"

upperBound="-1" eType="#//DataInput" resolveProxies="false" eOpposite="#//DataInput/inputSetRefs"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="optionalInputRefs" ordered="false"

upperBound="-1" eType="#//DataInput" resolveProxies="false" eOpposite="#//DataInput/inputSetWithOptional"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="whileExecutingInputRefs"

ordered="false" upperBound="-1" eType="#//DataInput" resolveProxies="false"

eOpposite="#//DataInput/inputSetWithWhileExecuting"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outputSetRefs" ordered="false"

upperBound="-1" eType="#//OutputSet" resolveProxies="false" eOpposite="#//OutputSet/inputSetRefs"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="DataInput" eSuperTypes="#//ItemAwareElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isCollection" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="inputSetWithOptional" ordered="false"

upperBound="-1" eType="#//InputSet" transient="true" derived="true" eOpposite="#//InputSet/optionalInputRefs"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="inputSetWithWhileExecuting"

ordered="false" upperBound="-1" eType="#//InputSet" transient="true" derived="true"

eOpposite="#//InputSet/whileExecutingInputRefs"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="inputSetRefs" ordered="false"

upperBound="-1" eType="#//InputSet" transient="true" derived="true" eOpposite="#//InputSet/dataInputRefs"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ItemAwareElement" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="itemSubjectRef" ordered="false"

eType="#//ItemDefinition"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="dataState" ordered="false"

eType="#//DataState" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="DataState" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="OutputSet" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="dataOutputRefs" ordered="false"

upperBound="-1" eType="#//DataOutput" resolveProxies="false" eOpposite="#//DataOutput/outputSetRefs"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="optionalOutputRefs" ordered="false"

upperBound="-1" eType="#//DataOutput" resolveProxies="false" eOpposite="#//DataOutput/outputSetWithOptional"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="whileExecutingOutputRefs"

ordered="false" upperBound="-1" eType="#//DataOutput" derived="true" resolveProxies="false"

eOpposite="#//DataOutput/outputSetWithWhileExecuting"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="inputSetRefs" ordered="false"

upperBound="-1" eType="#//InputSet" eOpposite="#//InputSet/outputSetRefs"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="DataOutput" eSuperTypes="#//ItemAwareElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isCollection" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outputSetWithOptional"

ordered="false" upperBound="-1" eType="#//OutputSet" transient="true" derived="true"

eOpposite="#//OutputSet/optionalOutputRefs"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outputSetWithWhileExecuting"

ordered="false" upperBound="-1" eType="#//OutputSet" transient="true" derived="true"

eOpposite="#//OutputSet/whileExecutingOutputRefs"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outputSetRefs" ordered="false"

upperBound="-1" eType="#//OutputSet" transient="true" derived="true" eOpposite="#//OutputSet/dataOutputRefs"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="InputOutputBinding">

<eStructuralFeatures xsi:type="ecore:EReference" name="inputDataRef" ordered="false"

lowerBound="1" eType="#//InputSet"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outputDataRef" ordered="false"

lowerBound="1" eType="#//OutputSet"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="operationRef" ordered="false"

lowerBound="1" eType="#//Operation"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="id" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString" iD="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ResourceRole" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="resourceRef" ordered="false"

eType="#//Resource"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="resourceParameterBindings"

ordered="false" upperBound="-1" eType="#//ResourceParameterBinding" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="resourceAssignmentExpression"

ordered="false" eType="#//ResourceAssignmentExpression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Resource" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="resourceParameters" ordered="false"

upperBound="-1" eType="#//ResourceParameter" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ResourceParameter" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isRequired" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="type" ordered="false" eType="#//ItemDefinition"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ResourceParameterBinding">

<eStructuralFeatures xsi:type="ecore:EReference" name="expression" ordered="false"

lowerBound="1" eType="#//Expression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="parameterRef" ordered="false"

lowerBound="1" eType="#//ResourceParameter"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="id" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString" iD="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Expression" eSuperTypes="#//BaseElement"/>

<eClassifiers xsi:type="ecore:EClass" name="ResourceAssignmentExpression">

<eStructuralFeatures xsi:type="ecore:EReference" name="expression" ordered="false"

lowerBound="1" eType="#//Expression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="id" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString" iD="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Monitoring" eSuperTypes="#//BaseElement"/>

<eClassifiers xsi:type="ecore:EClass" name="Performer" eSuperTypes="#//ResourceRole"/>

<eClassifiers xsi:type="ecore:EClass" name="Process" eSuperTypes="#//CallableElement #//FlowElementsContainer">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="processType" ordered="false"

lowerBound="1" eType="#//ProcessType"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isClosed" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="auditing" ordered="false"

eType="#//Auditing" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="monitoring" ordered="false"

eType="#//Monitoring" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="properties" ordered="false"

upperBound="-1" eType="#//Property" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="supports" ordered="false"

upperBound="-1" eType="#//Process"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="definitionalCollaborationRef"

ordered="false" eType="#//Collaboration"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isExecutable" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="resources" ordered="false"

upperBound="-1" eType="#//ResourceRole" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="artifacts" ordered="false"

upperBound="-1" eType="#//Artifact" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="correlationSubscriptions"

ordered="false" upperBound="-1" eType="#//CorrelationSubscription" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="decomposedBy" upperBound="-1"

eType="#//Process" containment="true" eOpposite="#//Process/decomposes"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="decomposes" eType="#//Process"

eOpposite="#//Process/decomposedBy"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="FlowElementsContainer" abstract="true"

eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="flowElements" ordered="false"

upperBound="-1" eType="#//FlowElement" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="laneSets" ordered="false"

upperBound="-1" eType="#//LaneSet" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="FlowElement" abstract="true" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="auditing" ordered="false"

eType="#//Auditing" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="monitoring" ordered="false"

eType="#//Monitoring" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="categoryValueRef" ordered="false"

upperBound="-1" eType="#//CategoryValue" transient="true" resolveProxies="false"

eOpposite="#//CategoryValue/categorizedFlowElements"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CategoryValue" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="value" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="categorizedFlowElements"

ordered="false" upperBound="-1" eType="#//FlowElement" changeable="false"

transient="true" derived="true" resolveProxies="false" eOpposite="#//FlowElement/categoryValueRef"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="LaneSet" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="lanes" ordered="false"

upperBound="-1" eType="#//Lane" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Lane" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="childLaneSet" ordered="false"

eType="#//LaneSet" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="partitionElementRef" ordered="false"

eType="#//BaseElement"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="flowNodeRefs" ordered="false"

upperBound="-1" eType="#//FlowNode" resolveProxies="false" eOpposite="#//FlowNode/lanes"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="partitionElement" ordered="false"

eType="#//BaseElement" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="FlowNode" abstract="true" eSuperTypes="#//FlowElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="outgoing" upperBound="-1"

eType="#//SequenceFlow" eOpposite="#//SequenceFlow/sourceRef"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="incoming" ordered="false"

upperBound="-1" eType="#//SequenceFlow" eOpposite="#//SequenceFlow/targetRef"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="lanes" ordered="false"

upperBound="-1" eType="#//Lane" transient="true" derived="true" eOpposite="#//Lane/flowNodeRefs"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="SequenceFlow" eSuperTypes="#//FlowElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isImmediate" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="conditionExpression" ordered="false"

eType="#//Expression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="targetRef" ordered="false"

eType="#//FlowNode" eOpposite="#//FlowNode/incoming"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="sourceRef" ordered="false"

eType="#//FlowNode" eOpposite="#//FlowNode/outgoing"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EEnum" name="ProcessType">

<eLiterals name="None"/>

<eLiterals name="Public" value="1"/>

<eLiterals name="Private" value="2"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Property" eSuperTypes="#//ItemAwareElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Collaboration" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isClosed" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="choreographyRef" ordered="false"

upperBound="-1" eType="#//Choreography"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="artifacts" ordered="false"

upperBound="-1" eType="#//Artifact" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="participantAssociations"

ordered="false" upperBound="-1" eType="#//ParticipantAssociation" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="messageFlowAssociations"

ordered="false" upperBound="-1" eType="#//MessageFlowAssociation" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="conversationAssociations"

ordered="false" eType="#//ConversationAssociation" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="participants" ordered="false"

upperBound="-1" eType="#//Participant" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="messageFlows" ordered="false"

upperBound="-1" eType="#//MessageFlow" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="correlationKeys" ordered="false"

upperBound="-1" eType="#//CorrelationKey" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="conversations" ordered="false"

upperBound="-1" eType="#//ConversationNode" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="conversationLinks" ordered="false"

upperBound="-1" eType="#//ConversationLink" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Choreography" eSuperTypes="#//Collaboration #//FlowElementsContainer"/>

<eClassifiers xsi:type="ecore:EClass" name="Artifact" abstract="true" eSuperTypes="#//BaseElement"/>

<eClassifiers xsi:type="ecore:EClass" name="ParticipantAssociation" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="innerParticipantRef" ordered="false"

lowerBound="1" eType="#//Participant"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outerParticipantRef" ordered="false"

lowerBound="1" eType="#//Participant"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Participant" eSuperTypes="#//BaseElement #//InteractionNode">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="interfaceRefs" ordered="false"

upperBound="-1" eType="#//Interface"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="participantMultiplicity"

ordered="false" eType="#//ParticipantMultiplicity" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="endPointRefs" ordered="false"

upperBound="-1" eType="#//EndPoint"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="processRef" ordered="false"

eType="#//Process"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="InteractionNode" abstract="true">

<eStructuralFeatures xsi:type="ecore:EReference" name="incomingConversationLinks"

ordered="false" upperBound="-1" eType="#//ConversationLink" changeable="false"

transient="true" derived="true" eOpposite="#//ConversationLink/targetRef"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outgoingConversationLinks"

ordered="false" upperBound="-1" eType="#//ConversationLink" changeable="false"

transient="true" derived="true" eOpposite="#//ConversationLink/sourceRef"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ConversationLink" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="sourceRef" ordered="false"

lowerBound="1" eType="#//InteractionNode" transient="true" eOpposite="#//InteractionNode/outgoingConversationLinks"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="targetRef" ordered="false"

lowerBound="1" eType="#//InteractionNode" transient="true" eOpposite="#//InteractionNode/incomingConversationLinks"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ParticipantMultiplicity">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="minimum" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EInt"

defaultValueLiteral="0"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="maximum" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EInt" defaultValueLiteral="1"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="id" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString" iD="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="MessageFlowAssociation" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="innerMessageFlowRef" ordered="false"

lowerBound="1" eType="#//MessageFlow"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outerMessageFlowRef" ordered="false"

lowerBound="1" eType="#//MessageFlow"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="MessageFlow" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="sourceRef" ordered="false"

eType="#//InteractionNode"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="targetRef" ordered="false"

eType="#//InteractionNode"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="messageRef" ordered="false"

eType="#//Message"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ConversationAssociation" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="innerConversationNodeRef"

ordered="false" lowerBound="1" eType="#//ConversationNode"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outerConversationNodeRef"

ordered="false" lowerBound="1" eType="#//ConversationNode"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ConversationNode" abstract="true" eSuperTypes="#//BaseElement #//InteractionNode">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="participantRefs" ordered="false"

lowerBound="2" upperBound="-1" eType="#//Participant"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="messageFlowRefs" ordered="false"

upperBound="-1" eType="#//MessageFlow"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="correlationKeys" ordered="false"

upperBound="-1" eType="#//CorrelationKey" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CorrelationKey" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="correlationPropertyRef"

ordered="false" upperBound="-1" eType="#//CorrelationProperty"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CorrelationProperty" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="correlationPropertyRetrievalExpression"

ordered="false" lowerBound="1" upperBound="-1" eType="#//CorrelationPropertyRetrievalExpression"

containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="type" ordered="false" eType="#//ItemDefinition"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CorrelationPropertyRetrievalExpression"

eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="messagePath" ordered="false"

lowerBound="1" eType="#//FormalExpression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="messageRef" ordered="false"

lowerBound="1" eType="#//Message"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="FormalExpression" eSuperTypes="#//Expression">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="language" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="body" ordered="false" lowerBound="1"

eType="ecore:EClass http://www.eclipse.org/emf/2002/Ecore#//EObject"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="evaluatesToTypeRef" ordered="false"

lowerBound="1" eType="#//ItemDefinition"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CorrelationSubscription" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="correlationKeyRef" ordered="false"

lowerBound="1" eType="#//CorrelationKey"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="correlationPropertyBinding"

ordered="false" upperBound="-1" eType="#//CorrelationPropertyBinding" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CorrelationPropertyBinding" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="dataPath" ordered="false"

lowerBound="1" eType="#//FormalExpression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="correlationPropertyRef"

ordered="false" lowerBound="1" eType="#//CorrelationProperty"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="GlobalManualTask" eSuperTypes="#//GlobalTask"/>

<eClassifiers xsi:type="ecore:EClass" name="ManualTask" eSuperTypes="#//Task"/>

<eClassifiers xsi:type="ecore:EClass" name="Task" eSuperTypes="#//Activity"/>

<eClassifiers xsi:type="ecore:EClass" name="Activity" abstract="true" eSuperTypes="#//FlowNode #//InteractionNode">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isForCompensation" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="loopCharacteristics" ordered="false"

eType="#//LoopCharacteristics" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="resources" ordered="false"

upperBound="-1" eType="#//ResourceRole" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="default" ordered="false"

eType="#//SequenceFlow"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="properties" ordered="false"

upperBound="-1" eType="#//Property" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="ioSpecification" ordered="false"

eType="#//InputOutputSpecification" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="boundaryEventRefs" ordered="false"

upperBound="-1" eType="#//BoundaryEvent" eOpposite="#//BoundaryEvent/attachedToRef"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="dataInputAssociations"

ordered="false" upperBound="-1" eType="#//DataInputAssociation" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="dataOutputAssociations"

ordered="false" upperBound="-1" eType="#//DataOutputAssociation" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="startQuantity" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EInt"

defaultValueLiteral="1"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="completionQuantity" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EInt"

defaultValueLiteral="1"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="LoopCharacteristics" abstract="true"

eSuperTypes="#//BaseElement"/>

<eClassifiers xsi:type="ecore:EClass" name="BoundaryEvent" eSuperTypes="#//CatchEvent">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="cancelActivity" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="attachedToRef" ordered="false"

lowerBound="1" eType="#//Activity" eOpposite="#//Activity/boundaryEventRefs"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CatchEvent" abstract="true" eSuperTypes="#//Event">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="parallelMultiple" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outputSet" ordered="false"

eType="#//OutputSet" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="eventDefinitionRefs" ordered="false"

upperBound="-1" eType="#//EventDefinition"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="dataOutputAssociation"

ordered="false" upperBound="-1" eType="#//DataOutputAssociation" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="dataOutputs" ordered="false"

upperBound="-1" eType="#//DataOutput" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="eventDefinitions" ordered="false"

upperBound="-1" eType="#//EventDefinition" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Event" abstract="true" eSuperTypes="#//FlowNode #//InteractionNode">

<eStructuralFeatures xsi:type="ecore:EReference" name="properties" ordered="false"

upperBound="-1" eType="#//Property" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="EventDefinition" abstract="true" eSuperTypes="#//RootElement"/>

<eClassifiers xsi:type="ecore:EClass" name="DataOutputAssociation" eSuperTypes="#//DataAssociation"/>

<eClassifiers xsi:type="ecore:EClass" name="DataAssociation" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="transformation" ordered="false"

eType="#//FormalExpression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="assignment" ordered="false"

upperBound="-1" eType="#//Assignment" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="targetRef" ordered="false"

lowerBound="1" eType="#//ItemAwareElement"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="sourceRef" ordered="false"

upperBound="-1" eType="#//ItemAwareElement"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Assignment" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="from" ordered="false" lowerBound="1"

eType="#//Expression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="to" ordered="false" lowerBound="1"

eType="#//Expression" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="DataInputAssociation" eSuperTypes="#//DataAssociation"/>

<eClassifiers xsi:type="ecore:EClass" name="UserTask" eSuperTypes="#//Task">

<eStructuralFeatures xsi:type="ecore:EReference" name="renderings" ordered="false"

upperBound="-1" eType="#//Rendering" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="implementation" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Rendering" eSuperTypes="#//BaseElement"/>

<eClassifiers xsi:type="ecore:EClass" name="HumanPerformer" eSuperTypes="#//Performer"/>

<eClassifiers xsi:type="ecore:EClass" name="PotentialOwner" eSuperTypes="#//HumanPerformer"/>

<eClassifiers xsi:type="ecore:EClass" name="GlobalUserTask" eSuperTypes="#//GlobalTask">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="implementation" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="renderings" ordered="false"

upperBound="-1" eType="#//Rendering" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Gateway" abstract="true" eSuperTypes="#//FlowNode">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="gatewayDirection" ordered="false"

lowerBound="1" eType="#//GatewayDirection" defaultValueLiteral="Unspecified"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EEnum" name="GatewayDirection">

<eLiterals name="Unspecified"/>

<eLiterals name="Converging" value="1"/>

<eLiterals name="Diverging" value="2"/>

<eLiterals name="Mixed" value="3"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="EventBasedGateway" eSuperTypes="#//Gateway">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="instantiate" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="eventGatewayType" ordered="false"

lowerBound="1" eType="#//EventBasedGatewayType"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EEnum" name="EventBasedGatewayType">

<eLiterals name="Parallel"/>

<eLiterals name="Exclusive" value="1"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ComplexGateway" eSuperTypes="#//Gateway">

<eStructuralFeatures xsi:type="ecore:EReference" name="activationCondition" ordered="false"

eType="#//Expression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="default" ordered="false"

eType="#//SequenceFlow"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ExclusiveGateway" eSuperTypes="#//Gateway">

<eStructuralFeatures xsi:type="ecore:EReference" name="default" ordered="false"

eType="#//SequenceFlow"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="InclusiveGateway" eSuperTypes="#//Gateway">

<eStructuralFeatures xsi:type="ecore:EReference" name="default" ordered="false"

eType="#//SequenceFlow"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ParallelGateway" eSuperTypes="#//Gateway"/>

<eClassifiers xsi:type="ecore:EClass" name="Relationship" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="type" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="direction" ordered="false"

lowerBound="1" eType="#//RelationshipDirection"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="sources" ordered="false"

lowerBound="1" upperBound="-1" eType="ecore:EClass http://www.eclipse.org/emf/2002/Ecore#//EObject"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="targets" ordered="false"

lowerBound="1" upperBound="-1" eType="ecore:EClass http://www.eclipse.org/emf/2002/Ecore#//EObject"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EEnum" name="RelationshipDirection">

<eLiterals name="None"/>

<eLiterals name="Forward" value="1"/>

<eLiterals name="Backward" value="2"/>

<eLiterals name="Both" value="3"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Extension">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="mustUnderstand" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="definition" ordered="false"

lowerBound="1" eType="#//ExtensionDefinition" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="id" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString" iD="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="IntermediateCatchEvent" eSuperTypes="#//CatchEvent"/>

<eClassifiers xsi:type="ecore:EClass" name="IntermediateThrowEvent" eSuperTypes="#//ThrowEvent"/>

<eClassifiers xsi:type="ecore:EClass" name="ThrowEvent" abstract="true" eSuperTypes="#//Event">

<eStructuralFeatures xsi:type="ecore:EReference" name="inputSet" ordered="false"

eType="#//InputSet" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="eventDefinitionRefs" ordered="false"

upperBound="-1" eType="#//EventDefinition"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="dataInputAssociation" ordered="false"

upperBound="-1" eType="#//DataInputAssociation" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="dataInputs" ordered="false"

upperBound="-1" eType="#//DataInput" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="eventDefinitions" ordered="false"

upperBound="-1" eType="#//EventDefinition" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="EndEvent" eSuperTypes="#//ThrowEvent"/>

<eClassifiers xsi:type="ecore:EClass" name="StartEvent" eSuperTypes="#//CatchEvent">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isInterrupting" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CancelEventDefinition" eSuperTypes="#//EventDefinition"/>

<eClassifiers xsi:type="ecore:EClass" name="ErrorEventDefinition" eSuperTypes="#//EventDefinition">

<eStructuralFeatures xsi:type="ecore:EReference" name="errorRef" ordered="false"

eType="#//Error"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="TerminateEventDefinition" eSuperTypes="#//EventDefinition"/>

<eClassifiers xsi:type="ecore:EClass" name="EscalationEventDefinition" eSuperTypes="#//EventDefinition">

<eStructuralFeatures xsi:type="ecore:EReference" name="escalationRef" ordered="false"

eType="#//Escalation"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Escalation">

<eStructuralFeatures xsi:type="ecore:EReference" name="structureRef" ordered="false"

eType="#//ItemDefinition"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="escalationCode" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="id" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString" iD="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CompensateEventDefinition" eSuperTypes="#//EventDefinition">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="waitForCompletion" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="activityRef" ordered="false"

eType="#//Activity"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="TimerEventDefinition" eSuperTypes="#//EventDefinition">

<eStructuralFeatures xsi:type="ecore:EReference" name="timeDate" ordered="false"

eType="#//Expression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="timeCycle" ordered="false"

eType="#//Expression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="timeDuration" ordered="false"

eType="#//Expression" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="LinkEventDefinition" eSuperTypes="#//EventDefinition">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="target" ordered="false"

eType="#//LinkEventDefinition" eOpposite="#//LinkEventDefinition/source"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="source" ordered="false"

upperBound="-1" eType="#//LinkEventDefinition" eOpposite="#//LinkEventDefinition/target"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="MessageEventDefinition" eSuperTypes="#//EventDefinition">

<eStructuralFeatures xsi:type="ecore:EReference" name="messageRef" ordered="false"

eType="#//Message"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="operationRef" ordered="false"

eType="#//Operation"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ConditionalEventDefinition" eSuperTypes="#//EventDefinition">

<eStructuralFeatures xsi:type="ecore:EReference" name="condition" ordered="false"

lowerBound="1" eType="#//Expression" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="SignalEventDefinition" eSuperTypes="#//EventDefinition">

<eStructuralFeatures xsi:type="ecore:EReference" name="signalRef" ordered="false"

eType="#//Signal"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Signal" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="structureRef" ordered="false"

eType="#//ItemDefinition"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ImplicitThrowEvent" eSuperTypes="#//ThrowEvent"/>

<eClassifiers xsi:type="ecore:EClass" name="DataObject" eSuperTypes="#//FlowElement #//ItemAwareElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isCollection" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="DataStore" eSuperTypes="#//ItemAwareElement #//RootElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="capacity" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EInt"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isUnlimited" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="DataStoreReference" eSuperTypes="#//FlowElement #//ItemAwareElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="dataStoreRef" ordered="false"

eType="#//DataStore"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="DataObjectReference" eSuperTypes="#//FlowElement #//ItemAwareElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="dataObjectRef" ordered="false"

lowerBound="1" eType="#//DataObject"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CallConversation" eSuperTypes="#//ConversationNode">

<eStructuralFeatures xsi:type="ecore:EReference" name="calledCollaborationRef"

ordered="false" eType="#//Collaboration"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="participantAssociations"

ordered="false" upperBound="-1" eType="#//ParticipantAssociation" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Conversation" eSuperTypes="#//ConversationNode"/>

<eClassifiers xsi:type="ecore:EClass" name="SubConversation" eSuperTypes="#//ConversationNode">

<eStructuralFeatures xsi:type="ecore:EReference" name="conversationNodes" ordered="false"

upperBound="-1" eType="#//ConversationNode" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="GlobalConversation" eSuperTypes="#//Collaboration"/>

<eClassifiers xsi:type="ecore:EClass" name="PartnerEntity" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="participantRef" ordered="false"

upperBound="-1" eType="#//Participant"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="PartnerRole" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="participantRef" ordered="false"

upperBound="-1" eType="#//Participant"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ChoreographyActivity" abstract="true"

eSuperTypes="#//FlowNode">

<eStructuralFeatures xsi:type="ecore:EReference" name="participantRefs" ordered="false"

upperBound="-1" eType="#//Participant"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="initiatingParticipantRef"

ordered="false" eType="#//Participant"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="correlationKeys" ordered="false"

upperBound="-1" eType="#//CorrelationKey" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="loopType" ordered="false"

lowerBound="1" eType="#//ChoreographyLoopType" defaultValueLiteral="None"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EEnum" name="ChoreographyLoopType">

<eLiterals name="None"/>

<eLiterals name="Standard" value="1"/>

<eLiterals name="MultiInstanceSequential" value="2"/>

<eLiterals name="MultiInstanceParallel" value="3"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CallChoreography" eSuperTypes="#//ChoreographyActivity">

<eStructuralFeatures xsi:type="ecore:EReference" name="calledChoreographyRef"

ordered="false" eType="#//Choreography"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="participantAssociations"

ordered="false" upperBound="-1" eType="#//ParticipantAssociation" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="SubChoreography" eSuperTypes="#//ChoreographyActivity #//FlowElementsContainer">

<eStructuralFeatures xsi:type="ecore:EReference" name="artifacts" ordered="false"

upperBound="-1" eType="#//Artifact" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ChoreographyTask" eSuperTypes="#//ChoreographyActivity">

<eStructuralFeatures xsi:type="ecore:EReference" name="messageFlowRef" ordered="false"

upperBound="2" eType="#//MessageFlow"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="GlobalChoreographyTask" eSuperTypes="#//Choreography">

<eStructuralFeatures xsi:type="ecore:EReference" name="initiatingParticipantRef"

ordered="false" lowerBound="1" eType="#//Participant"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="TextAnnotation" eSuperTypes="#//Artifact">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="text" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="textFormat" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"

defaultValueLiteral="text/plain"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Group" eSuperTypes="#//Artifact">

<eStructuralFeatures xsi:type="ecore:EReference" name="categoryValueRef" ordered="false"

eType="#//CategoryValue"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Association" eSuperTypes="#//Artifact">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="associationDirection" ordered="false"

lowerBound="1" eType="#//AssociationDirection"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="sourceRef" ordered="false"

eType="#//BaseElement"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="targetRef" ordered="false"

eType="#//BaseElement"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EEnum" name="AssociationDirection">

<eLiterals name="None"/>

<eLiterals name="One" value="1"/>

<eLiterals name="Both" value="2"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Category" eSuperTypes="#//RootElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="categoryValue" ordered="false"

upperBound="-1" eType="#//CategoryValue" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" lowerBound="1"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ServiceTask" eSuperTypes="#//Task">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="implementation" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="operationRef" ordered="false"

eType="#//Operation"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="SubProcess" eSuperTypes="#//Activity #//FlowElementsContainer">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="triggeredByEvent" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="artifacts" ordered="false"

upperBound="-1" eType="#//Artifact" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EEnum" name="MultiInstanceBehavior">

<eLiterals name="None"/>

<eLiterals name="One" value="1"/>

<eLiterals name="All" value="2"/>

<eLiterals name="Complex" value="3"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="MultiInstanceLoopCharacteristics" eSuperTypes="#//LoopCharacteristics">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="isSequential" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="behavior" ordered="false"

lowerBound="1" eType="#//MultiInstanceBehavior" defaultValueLiteral="All"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="loopCardinality" ordered="false"

eType="#//Expression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="loopDataInputRef" ordered="false"

eType="#//ItemAwareElement"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="loopDataOutputRef" ordered="false"

eType="#//ItemAwareElement"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="inputDataItem" ordered="false"

eType="#//DataInput" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="outputDataItem" ordered="false"

eType="#//DataOutput" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="completionCondition" ordered="false"

eType="#//Expression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="complexBehaviorDefinition"

ordered="false" upperBound="-1" eType="#//ComplexBehaviorDefinition" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="oneBehaviorEventRef" ordered="false"

eType="#//EventDefinition"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="noneBehaviorEventRef" ordered="false"

eType="#//EventDefinition"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ComplexBehaviorDefinition" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EReference" name="condition" ordered="false"

lowerBound="1" eType="#//FormalExpression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="event" ordered="false"

eType="#//ImplicitThrowEvent" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="StandardLoopCharacteristics" eSuperTypes="#//LoopCharacteristics">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="testBefore" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="loopCondition" ordered="false"

eType="#//Expression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="loopMaximum" ordered="false"

eType="#//Expression" containment="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="CallActivity" eSuperTypes="#//Activity">

<eStructuralFeatures xsi:type="ecore:EReference" name="calledElementRef" ordered="false"

eType="#//CallableElement"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="SendTask" eSuperTypes="#//Task">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="implementation" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="operationRef" ordered="false"

eType="#//Operation"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="messageRef" ordered="false"

eType="#//Message"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ReceiveTask" eSuperTypes="#//Task">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="implementation" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="instantiate" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="false"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="operationRef" ordered="false"

eType="#//Operation"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="messageRef" ordered="false"

eType="#//Message"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="ScriptTask" eSuperTypes="#//Task">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="scriptFormat" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="script" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="BusinessRuleTask" eSuperTypes="#//Task">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="implementation" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="AdHocSubProcess" eSuperTypes="#//SubProcess">

<eStructuralFeatures xsi:type="ecore:EReference" name="completionCondition" ordered="false"

lowerBound="1" eType="#//Expression" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="ordering" ordered="false"

lowerBound="1" eType="#//AdHocOrdering"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="cancelRemainingInstances"

ordered="false" lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EBoolean"

defaultValueLiteral="true"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EEnum" name="AdHocOrdering">

<eLiterals name="Parallel"/>

<eLiterals name="Sequential" value="1"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Transaction" eSuperTypes="#//SubProcess">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="protocol" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="method" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="GlobalScriptTask" eSuperTypes="#//GlobalTask">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="scriptLanguage" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="script" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="GlobalBusinessRuleTask" eSuperTypes="#//GlobalTask">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="implementation" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

<eClassifiers xsi:type="ecore:EClass" name="Definitions" eSuperTypes="#//BaseElement">

<eStructuralFeatures xsi:type="ecore:EAttribute" name="name" ordered="false" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="targetNamespace" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="expressionLanguage" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"

defaultValueLiteral="http://www.w3.org/1999/XPath"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="typeLanguage" ordered="false"

lowerBound="1" eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"

defaultValueLiteral="http://www.w3.org/2001/XMLSchema"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="imports" ordered="false"

upperBound="-1" eType="#//Import" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="extensions" ordered="false"

upperBound="-1" eType="#//Extension" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="relationships" ordered="false"

upperBound="-1" eType="#//Relationship" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="rootElements" ordered="false"

upperBound="-1" eType="#//RootElement" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EReference" name="diagrams" ordered="false"

upperBound="-1" eType="ecore:EClass BPMNDI.ecore#//BPMNDiagram" containment="true"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="exporter" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

<eStructuralFeatures xsi:type="ecore:EAttribute" name="exporterVersion" ordered="false"

eType="ecore:EDataType http://www.eclipse.org/emf/2002/Ecore#//EString"/>

</eClassifiers>

</ecore:EPackage>

This is an example called the “Nobel Prize”. This is the “Nobel Prize” scenario description:

The selection of a Nobel Prize Laureate is a lengthy and carefully executed process. The processes slightly differ for each of the six prizes; the results are the same for each of the six categories.

The following is the description for the Nobel Prize in Medicine. The main actors in the processes for Nomination, Selection and Accepting and Receiving the award are the:

* Nobel Committee for Medicine,
* Nominators,
* Specially appointed experts,
* Nobel Assembly and
* Nobel Laureates.

Each year in September, in the year preceding the year the Prize is awarded, around 3000 invitations or confidential nomination forms are sent out by the Nobel Committee for Medicine to selected Nominators.

The Nominators are given the opportunity to nominate one or more Nominees. The completed forms must be made available to the Nobel Committee for Medicine for the selection of the preliminary candidates.

The Nobel Committee for Medicine performs a first screening and selects the preliminary candidates.

Following this selection, the Nobel Committee for Medicine may request the assistance of experts. If so, it sends the list with the preliminary candidates to these specially appointed experts with the request to assess the preliminary candidates’ work.

From this, the recommended final candidate laureates and associated recommended final works are selected and the Nobel Committee for Medicine writes the reports with recommendations.

The Nobel Committee for Medicine submits the report with recommendations to the Nobel Assembly. This report contains the list of final candidates and associated works.

The Nobel Assembly chooses the Nobel Laureates in Medicine and associated through a majority vote and the names of the Nobel Laureates and associated works are announced. The Nobel Assembly meets twice for this selection. In the first meeting of the Nobel Assembly the report is discussed. In the second meeting the Nobel Laureates in Medicine and associated works are chosen.

The Nobel Prize Award Ceremony is held in Stockholm.

This is the “Nobel Prize” model based on “BPMN-Designer” metamodel:

<?xml version="1.0" encoding="ASCII"?>

<bpmn:Definitions xmi:version="2.0" xmlns:xmi="http://www.omg.org/XMI" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:bpmn="http://www.omg.org/spec/BPMN/20100524/MODEL-XMI" id="\_lYwdsJMvEeKGz\_kv5DLbCg">

<rootElements xsi:type="bpmn:Process" id="\_lYv2oJMvEeKGz\_kv5DLbCg" name="Nobel Prize">

<flowElements xsi:type="bpmn:SendTask" id="\_6TLCIJMvEeKGz\_kv5DLbCg" name="Send Nomination Form" outgoing="\_7Tq10JMvEeKGz\_kv5DLbCg" incoming="\_6TMQQJMvEeKGz\_kv5DLbCg \_QFWqIJMyEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_6TMQQJMvEeKGz\_kv5DLbCg" targetRef="\_6TLCIJMvEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:ReceiveTask" id="\_7TqOwJMvEeKGz\_kv5DLbCg" name="Collect Completed form" outgoing="\_98\_BcJMvEeKGz\_kv5DLbCg" incoming="\_7Tq10JMvEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_7Tq10JMvEeKGz\_kv5DLbCg" targetRef="\_7TqOwJMvEeKGz\_kv5DLbCg" sourceRef="\_6TLCIJMvEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:UserTask" id="\_98-aYJMvEeKGz\_kv5DLbCg" name="Screen &amp; Select Preliminary Candidates" outgoing="\_\_CDMEJMvEeKGz\_kv5DLbCg" incoming="\_98\_BcJMvEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_98\_BcJMvEeKGz\_kv5DLbCg" targetRef="\_98-aYJMvEeKGz\_kv5DLbCg" sourceRef="\_7TqOwJMvEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:UserTask" id="\_\_CClAJMvEeKGz\_kv5DLbCg" name="Determine Need for Expert Assistance" outgoing="\_0izUEJMxEeKGz\_kv5DLbCg" incoming="\_\_CDMEJMvEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_\_CDMEJMvEeKGz\_kv5DLbCg" targetRef="\_\_CClAJMvEeKGz\_kv5DLbCg" sourceRef="\_98-aYJMvEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:UserTask" id="\_i2xzsJMwEeKGz\_kv5DLbCg" name="Identify Potentiel Nominee(s)" outgoing="\_oH1doJMwEeKGz\_kv5DLbCg" incoming="\_teojMJMwEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SendTask" id="\_oH02kJMwEeKGz\_kv5DLbCg" name="Send Nominee Completed Form(s)" outgoing="\_pKhCoJMwEeKGz\_kv5DLbCg" incoming="\_oH1doJMwEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_oH1doJMwEeKGz\_kv5DLbCg" targetRef="\_oH02kJMwEeKGz\_kv5DLbCg" sourceRef="\_i2xzsJMwEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:EndEvent" id="\_pKgbkJMwEeKGz\_kv5DLbCg" name="Nomination form(s) Sent" incoming="\_pKhCoJMwEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_pKhCoJMwEeKGz\_kv5DLbCg" targetRef="\_pKgbkJMwEeKGz\_kv5DLbCg" sourceRef="\_oH02kJMwEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:StartEvent" id="\_rfsKQJMwEeKGz\_kv5DLbCg" outgoing="\_teojMJMwEeKGz\_kv5DLbCg">

<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_r9ECwJMwEeKGz\_kv5DLbCg"/>

</flowElements>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_teojMJMwEeKGz\_kv5DLbCg" targetRef="\_i2xzsJMwEeKGz\_kv5DLbCg" sourceRef="\_rfsKQJMwEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:StartEvent" id="\_z-5yQJMwEeKGz\_kv5DLbCg" outgoing="\_1cUygJMwEeKGz\_kv5DLbCg">

<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_0zhtIJMwEeKGz\_kv5DLbCg"/>

</flowElements>

<flowElements xsi:type="bpmn:SendTask" id="\_1cULcJMwEeKGz\_kv5DLbCg" name="Send candidates Assessments Report" outgoing="\_4YuSMJMwEeKGz\_kv5DLbCg" incoming="\_\_ZHvEJUuEeKSM8dNXYpfyA"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_1cUygJMwEeKGz\_kv5DLbCg" targetRef="\_3AwZsJMwEeKGz\_kv5DLbCg" sourceRef="\_z-5yQJMwEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:UserTask" id="\_3AwZsJMwEeKGz\_kv5DLbCg" name="Assess Candidates work" outgoing="\_\_ZHvEJUuEeKSM8dNXYpfyA" incoming="\_1cUygJMwEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:EndEvent" id="\_4YtrIJMwEeKGz\_kv5DLbCg" name="End Assesments" incoming="\_4YuSMJMwEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_4YuSMJMwEeKGz\_kv5DLbCg" targetRef="\_4YtrIJMwEeKGz\_kv5DLbCg" sourceRef="\_1cULcJMwEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:StartEvent" id="\_Ag7IYJMxEeKGz\_kv5DLbCg" outgoing="\_GEKugJMxEeKGz\_kv5DLbCg">

<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_DyK2sJMxEeKGz\_kv5DLbCg"/>

</flowElements>

<flowElements xsi:type="bpmn:UserTask" id="\_GEKHcJMxEeKGz\_kv5DLbCg" name="Discuss Nominations (Meeting 1)" outgoing="\_HiEP4JMxEeKGz\_kv5DLbCg" incoming="\_GEKugJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_GEKugJMxEeKGz\_kv5DLbCg" targetRef="\_GEKHcJMxEeKGz\_kv5DLbCg" sourceRef="\_Ag7IYJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:UserTask" id="\_HiDo0JMxEeKGz\_kv5DLbCg" name="Select Laureates (Meeting 2)" outgoing="\_JccR4JMxEeKGz\_kv5DLbCg" incoming="\_HiEP4JMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_HiEP4JMxEeKGz\_kv5DLbCg" targetRef="\_HiDo0JMxEeKGz\_kv5DLbCg" sourceRef="\_GEKHcJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:UserTask" id="\_Jcbq0JMxEeKGz\_kv5DLbCg" name="Announce Nobel Prize Laureates" outgoing="\_PExzYJMxEeKGz\_kv5DLbCg" incoming="\_JccR4JMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_JccR4JMxEeKGz\_kv5DLbCg" targetRef="\_Jcbq0JMxEeKGz\_kv5DLbCg" sourceRef="\_HiDo0JMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:EndEvent" id="\_PExMUJMxEeKGz\_kv5DLbCg" incoming="\_PExzYJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_PExzYJMxEeKGz\_kv5DLbCg" targetRef="\_PExMUJMxEeKGz\_kv5DLbCg" sourceRef="\_Jcbq0JMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:ExclusiveGateway" id="\_0iytAJMxEeKGz\_kv5DLbCg" name="Expert Assistance?" outgoing="\_3JykcJMxEeKGz\_kv5DLbCg \_x59XoJMzEeKGz\_kv5DLbCg" incoming="\_0izUEJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_0izUEJMxEeKGz\_kv5DLbCg" targetRef="\_0iytAJMxEeKGz\_kv5DLbCg" sourceRef="\_\_CClAJMvEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SendTask" id="\_3Jx9YJMxEeKGz\_kv5DLbCg" name="Send List of preliminary Candidates" outgoing="\_5NorgJMxEeKGz\_kv5DLbCg" incoming="\_3JykcJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_3JykcJMxEeKGz\_kv5DLbCg" name="yes" targetRef="\_3Jx9YJMxEeKGz\_kv5DLbCg" sourceRef="\_0iytAJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:ReceiveTask" id="\_5NndYJMxEeKGz\_kv5DLbCg" name="Collect Candidates Work Assesment Report" outgoing="\_72UlAJMxEeKGz\_kv5DLbCg" incoming="\_5NorgJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_5NorgJMxEeKGz\_kv5DLbCg" targetRef="\_5NndYJMxEeKGz\_kv5DLbCg" sourceRef="\_3Jx9YJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:UserTask" id="\_72TW4JMxEeKGz\_kv5DLbCg" name="Select Final Candidates and their Works" outgoing="\_9n9hwJMxEeKGz\_kv5DLbCg" incoming="\_72UlAJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_72UlAJMxEeKGz\_kv5DLbCg" targetRef="\_72TW4JMxEeKGz\_kv5DLbCg" sourceRef="\_5NndYJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:Task" id="\_9n86sJMxEeKGz\_kv5DLbCg" name="Write Recommendation Report" outgoing="\_VynH4JMyEeKGz\_kv5DLbCg" incoming="\_9n9hwJMxEeKGz\_kv5DLbCg \_x59XoJMzEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_9n9hwJMxEeKGz\_kv5DLbCg" targetRef="\_9n86sJMxEeKGz\_kv5DLbCg" sourceRef="\_72TW4JMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:StartEvent" id="\_N6Z1gJMyEeKGz\_kv5DLbCg" outgoing="\_QFWqIJMyEeKGz\_kv5DLbCg">

<eventDefinitions xsi:type="bpmn:TimerEventDefinition" id="\_PDoHYJMyEeKGz\_kv5DLbCg"/>

</flowElements>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_QFWqIJMyEeKGz\_kv5DLbCg" name="" targetRef="\_6TLCIJMvEeKGz\_kv5DLbCg" sourceRef="\_N6Z1gJMyEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SendTask" id="\_Vymg0JMyEeKGz\_kv5DLbCg" name="Submit Report with Reconmmendations" outgoing="\_YxmBgZMyEeKGz\_kv5DLbCg" incoming="\_VynH4JMyEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_VynH4JMyEeKGz\_kv5DLbCg" targetRef="\_Vymg0JMyEeKGz\_kv5DLbCg" sourceRef="\_9n86sJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:UserTask" id="\_YxmBgJMyEeKGz\_kv5DLbCg" name="Hold Nobel Prize" outgoing="\_gyIwgZMyEeKGz\_kv5DLbCg" incoming="\_YxmBgZMyEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_YxmBgZMyEeKGz\_kv5DLbCg" targetRef="\_YxmBgJMyEeKGz\_kv5DLbCg" sourceRef="\_Vymg0JMyEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:EndEvent" id="\_gyIwgJMyEeKGz\_kv5DLbCg" incoming="\_gyIwgZMyEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_gyIwgZMyEeKGz\_kv5DLbCg" targetRef="\_gyIwgJMyEeKGz\_kv5DLbCg" sourceRef="\_YxmBgJMyEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:ReceiveTask" id="\_QSM94JMzEeKGz\_kv5DLbCg" name="Receive Nomination" outgoing="\_0bxp0KOqEeKWPL0NwOif5A"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_x59XoJMzEeKGz\_kv5DLbCg" name="No" targetRef="\_9n86sJMxEeKGz\_kv5DLbCg" sourceRef="\_0iytAJMxEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_\_ZHvEJUuEeKSM8dNXYpfyA" targetRef="\_1cULcJMwEeKGz\_kv5DLbCg" sourceRef="\_3AwZsJMwEeKGz\_kv5DLbCg"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_B0GegJYFEeKOGPdNF5Ql-Q"/>

<flowElements xsi:type="bpmn:SequenceFlow" id="\_0bxp0KOqEeKWPL0NwOif5A" sourceRef="\_QSM94JMzEeKGz\_kv5DLbCg"/>

<laneSets id="\_tFVu4JMvEeKGz\_kv5DLbCg" name="Nobel commitee for Medecine">

<lanes id="\_tFXkEJMvEeKGz\_kv5DLbCg" flowNodeRefs="\_6TLCIJMvEeKGz\_kv5DLbCg \_7TqOwJMvEeKGz\_kv5DLbCg \_98-aYJMvEeKGz\_kv5DLbCg \_\_CClAJMvEeKGz\_kv5DLbCg \_0iytAJMxEeKGz\_kv5DLbCg \_3Jx9YJMxEeKGz\_kv5DLbCg \_5NndYJMxEeKGz\_kv5DLbCg \_72TW4JMxEeKGz\_kv5DLbCg \_9n86sJMxEeKGz\_kv5DLbCg \_N6Z1gJMyEeKGz\_kv5DLbCg \_Vymg0JMyEeKGz\_kv5DLbCg \_YxmBgJMyEeKGz\_kv5DLbCg \_gyIwgJMyEeKGz\_kv5DLbCg">

<extensionValues>

<value xsi:type="bpmn:DataStore" id="\_nfEtIJMzEeKGz\_kv5DLbCg" name=""/>

</extensionValues>

<extensionValues>

<value xsi:type="bpmn:DataStore" id="\_r4Gi4JMzEeKGz\_kv5DLbCg"/>

</extensionValues>

<extensionValues>

<value xsi:type="bpmn:DataStore" id="\_tSQMsJMzEeKGz\_kv5DLbCg"/>

</extensionValues>

<extensionValues>

<value xsi:type="bpmn:DataStore" id="\_tfbGAJMzEeKGz\_kv5DLbCg"/>

</extensionValues>

<extensionValues>

<value xsi:type="bpmn:DataObject" id="\_1C6soJMzEeKGz\_kv5DLbCg" name="Report with Recommendations"/>

</extensionValues>

<extensionValues>

<value xsi:type="bpmn:TextAnnotation" id="\_sRn88JUyEeKCl81VVvO1pQ" text="Around 3000 invitations/confidential nomination forms are sent to selected Nominators"/>

</extensionValues>

</lanes>

</laneSets>

<laneSets id="\_DEZnMJMwEeKGz\_kv5DLbCg" name="Nominator">

<lanes id="\_DEaOQJMwEeKGz\_kv5DLbCg" name=" " flowNodeRefs="\_i2xzsJMwEeKGz\_kv5DLbCg \_oH02kJMwEeKGz\_kv5DLbCg \_pKgbkJMwEeKGz\_kv5DLbCg \_rfsKQJMwEeKGz\_kv5DLbCg">

<extensionValues>

<value xsi:type="bpmn:TextAnnotation" id="\_Ur4M8JUtEeKSM8dNXYpfyA" text="Nominator may nominate one or more Nominees"/>

</extensionValues>

<extensionValues/>

</lanes>

</laneSets>

<laneSets id="\_LBI0QJMwEeKGz\_kv5DLbCg" name="Expert">

<lanes id="\_LBJbUJMwEeKGz\_kv5DLbCg" name="" flowNodeRefs="\_z-5yQJMwEeKGz\_kv5DLbCg \_1cULcJMwEeKGz\_kv5DLbCg \_3AwZsJMwEeKGz\_kv5DLbCg \_4YtrIJMwEeKGz\_kv5DLbCg">

<extensionValues>

<value xsi:type="bpmn:TextAnnotation" id="\_GzIUcJUtEeKSM8dNXYpfyA" text="A selected expert is asked to asses the work of the Preliminary Candidates in the list"/>

</extensionValues>

</lanes>

</laneSets>

<laneSets id="\_NQXr8JMwEeKGz\_kv5DLbCg" name="Nobel Assembly">

<lanes id="\_NQYTAJMwEeKGz\_kv5DLbCg" name="" flowNodeRefs="\_Ag7IYJMxEeKGz\_kv5DLbCg \_GEKHcJMxEeKGz\_kv5DLbCg \_HiDo0JMxEeKGz\_kv5DLbCg \_Jcbq0JMxEeKGz\_kv5DLbCg \_PExMUJMxEeKGz\_kv5DLbCg"/>

</laneSets>

<laneSets id="\_d3cWcJMxEeKGz\_kv5DLbCg" name="Noble Prize Laureat">

<lanes id="\_d3cWcZMxEeKGz\_kv5DLbCg" name="" flowNodeRefs="\_QSM94JMzEeKGz\_kv5DLbCg"/>

</laneSets>

<artifacts xsi:type="bpmn:Association" id="\_3YSBgJMzEeKGz\_kv5DLbCg" sourceRef="\_9n86sJMxEeKGz\_kv5DLbCg" targetRef="\_1C6soJMzEeKGz\_kv5DLbCg"/>

<artifacts xsi:type="bpmn:Association" id="\_4Td3YJMzEeKGz\_kv5DLbCg" sourceRef="\_1C6soJMzEeKGz\_kv5DLbCg" targetRef="\_Vymg0JMyEeKGz\_kv5DLbCg"/>

<artifacts xsi:type="bpmn:Association" id="\_Rz2zwJUpEeKHo-HauyzVXA" sourceRef="\_nfEtIJMzEeKGz\_kv5DLbCg" targetRef="\_6TLCIJMvEeKGz\_kv5DLbCg"/>

<artifacts xsi:type="bpmn:Association" id="\_e4kAMJUpEeKHo-HauyzVXA" sourceRef="\_7TqOwJMvEeKGz\_kv5DLbCg" targetRef="\_r4Gi4JMzEeKGz\_kv5DLbCg"/>

<artifacts xsi:type="bpmn:Association" id="\_hXhV8JUpEeKHo-HauyzVXA" sourceRef="\_r4Gi4JMzEeKGz\_kv5DLbCg" targetRef="\_98-aYJMvEeKGz\_kv5DLbCg"/>

<artifacts xsi:type="bpmn:Association" id="\_kV4kgJUpEeKHo-HauyzVXA" sourceRef="\_98-aYJMvEeKGz\_kv5DLbCg" targetRef="\_tfbGAJMzEeKGz\_kv5DLbCg"/>

<artifacts xsi:type="bpmn:Association" id="\_lLXbAJUpEeKHo-HauyzVXA" sourceRef="\_tfbGAJMzEeKGz\_kv5DLbCg" targetRef="\_3Jx9YJMxEeKGz\_kv5DLbCg"/>

<artifacts xsi:type="bpmn:Association" id="\_rtY9kJUpEeKHo-HauyzVXA" sourceRef="\_5NndYJMxEeKGz\_kv5DLbCg" targetRef="\_tSQMsJMzEeKGz\_kv5DLbCg"/>

<artifacts xsi:type="bpmn:Association" id="\_sw5pAJUpEeKHo-HauyzVXA" sourceRef="\_tSQMsJMzEeKGz\_kv5DLbCg" targetRef="\_72TW4JMxEeKGz\_kv5DLbCg"/>

<artifacts xsi:type="bpmn:Association" id="\_Q6lsoJUtEeKSM8dNXYpfyA" sourceRef="\_GzIUcJUtEeKSM8dNXYpfyA" targetRef="\_3AwZsJMwEeKGz\_kv5DLbCg"/>

<artifacts xsi:type="bpmn:Association" id="\_YOVnEJUtEeKSM8dNXYpfyA" sourceRef="\_Ur4M8JUtEeKSM8dNXYpfyA" targetRef="\_i2xzsJMwEeKGz\_kv5DLbCg"/>

<artifacts xsi:type="bpmn:Association" id="\_6rnhUJUyEeKCl81VVvO1pQ" sourceRef="\_sRn88JUyEeKCl81VVvO1pQ" targetRef="\_6TLCIJMvEeKGz\_kv5DLbCg"/>

</rootElements>

<rootElements xsi:type="bpmn:Collaboration" id="\_2XpgYJMyEeKGz\_kv5DLbCg">

<messageFlows id="\_2XpgYZMyEeKGz\_kv5DLbCg" sourceRef="\_6TLCIJMvEeKGz\_kv5DLbCg" targetRef="\_rfsKQJMwEeKGz\_kv5DLbCg"/>

<messageFlows id="\_5stXsJMyEeKGz\_kv5DLbCg" sourceRef="\_oH02kJMwEeKGz\_kv5DLbCg" targetRef="\_7TqOwJMvEeKGz\_kv5DLbCg"/>

<messageFlows id="\_BaPrIJMzEeKGz\_kv5DLbCg" sourceRef="\_3Jx9YJMxEeKGz\_kv5DLbCg" targetRef="\_z-5yQJMwEeKGz\_kv5DLbCg"/>

<messageFlows id="\_FZS6oJMzEeKGz\_kv5DLbCg" sourceRef="\_1cULcJMwEeKGz\_kv5DLbCg" targetRef="\_5NndYJMxEeKGz\_kv5DLbCg"/>

<messageFlows id="\_KtLPEJMzEeKGz\_kv5DLbCg" sourceRef="\_Vymg0JMyEeKGz\_kv5DLbCg" targetRef="\_Ag7IYJMxEeKGz\_kv5DLbCg"/>

<messageFlows id="\_TWvF4JMzEeKGz\_kv5DLbCg" name="" sourceRef="\_Jcbq0JMxEeKGz\_kv5DLbCg" targetRef="\_QSM94JMzEeKGz\_kv5DLbCg"/>

</rootElements>

</bpmn:Definitions>

This is another example called the “Travel Agency”. This is the “Travel Agency” scenario description:

The Travel Agency receives a travel reservation request, including airline transportation and hotel reservation, from a Client.

Following research and evaluation of both flights’ and hotel rooms’ availability, selected alternatives are packaged and offered to the Client.

The Client has 24 hours to either select a proposed alternative or cancel the request. In case of a cancellation, or after this delay, the Agency updates the Client record to reflect the request cancellation and the Client is notified.

When a selection is made, the Client is asked to provide the Credit Card information. Again, the Client has 24 hours to provide this information or the request is canceled via the same activities stated before (update and notification).

Having received the Credit Card information, the booking activities take place:

The flight and the hotel room are booked. Measures are taken to insure reservations reversals if problems occur in the booking and payment activities. The Client is also entitled to provide the Agency with Credit Card Information modifications before the booking is completed. Such information will be saved in its record.

If an error arises during the booking activities, the flight and hotel room reservations are reversed and the Client record is updated. The booking is tried again as long as the booking retry limit is not exceeded.

Following successful booking the Reservations are charged on the Client’s Credit Card and the process stops following successful confirmation. If an error occurs during this activity the flight and hotel room reservation are reversed. The Client is asked again for the Credit Card Information and the booking is tried again as long as the payment processing retry limit is not exceeded.

In both cases, following the error, when the retry limit is exceeded, the Client is notified and the process stops.

This is the “Travel Agency” model based on “BPMN-Designer” metamodel:

**<?xml version="1.0" encoding="ASCII"?>**

**<bpmn:Definitions xmi:version="2.0" xmlns:xmi="http://www.omg.org/XMI" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:bpmn="http://www.omg.org/spec/BPMN/20100524/MODEL-XMI" id="\_VgLhQajBEeK\_xvwrSf5u4w">**

**<rootElements xsi:type="bpmn:Process" id="\_VgLhQKjBEeK\_xvwrSf5u4w" name="TravelAgency">**

**<flowElements xsi:type="bpmn:Task" id="\_yJjVcKjBEeK\_xvwrSf5u4w" name="Chose alternative" boundaryEventRefs="\_7e0soKjKEeKSNoCYL5SGfQ"/>**

**<flowElements xsi:type="bpmn:SendTask" id="\_yp\_JAKjBEeK\_xvwrSf5u4w" name="Send credit card information" boundaryEventRefs="\_mePoEKjFEeKByZYE3SKnNQ"/>**

**<flowElements xsi:type="bpmn:StartEvent" id="\_5F1LEKjBEeK\_xvwrSf5u4w" outgoing="\_6Y-N8KjBEeK\_xvwrSf5u4w \_9drVEKjBEeK\_xvwrSf5u4w">**

**<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_5lGhAKjBEeK\_xvwrSf5u4w"/>**

**</flowElements>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_6Y-N8KjBEeK\_xvwrSf5u4w" sourceRef="\_5F1LEKjBEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:ParallelGateway" id="\_9dquAKjBEeK\_xvwrSf5u4w" outgoing="\_\_M1lkKjBEeK\_xvwrSf5u4w \_\_vF-EKjBEeK\_xvwrSf5u4w" incoming="\_9drVEKjBEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_9drVEKjBEeK\_xvwrSf5u4w" targetRef="\_9dquAKjBEeK\_xvwrSf5u4w" sourceRef="\_5F1LEKjBEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:ManualTask" id="\_\_M0-gKjBEeK\_xvwrSf5u4w" name="Search hotel room" outgoing="\_JAR1kKjCEeK\_xvwrSf5u4w" incoming="\_\_M1lkKjBEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_\_M1lkKjBEeK\_xvwrSf5u4w" targetRef="\_\_M0-gKjBEeK\_xvwrSf5u4w" sourceRef="\_9dquAKjBEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:ManualTask" id="\_\_vFXAKjBEeK\_xvwrSf5u4w" name="Search Flight" outgoing="\_GvYJ8KjCEeK\_xvwrSf5u4w \_DwpzQI8wEe-v648egk3nxQ" incoming="\_\_vF-EKjBEeK\_xvwrSf5u4w" boundaryEventRefs="\_FMLWEI8wEe-v648egk3nxQ"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_\_vF-EKjBEeK\_xvwrSf5u4w" targetRef="\_\_vFXAKjBEeK\_xvwrSf5u4w" sourceRef="\_9dquAKjBEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:ManualTask" id="\_GvXi4KjCEeK\_xvwrSf5u4w" name="Evaluate Flight within customer critaria" outgoing="\_H5jeEKjCEeK\_xvwrSf5u4w" incoming="\_GvYJ8KjCEeK\_xvwrSf5u4w" boundaryEventRefs="\_9F0foKjKEeKSNoCYL5SGfQ"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_GvYJ8KjCEeK\_xvwrSf5u4w" targetRef="\_GvXi4KjCEeK\_xvwrSf5u4w" sourceRef="\_\_vFXAKjBEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:ParallelGateway" id="\_H5i3AKjCEeK\_xvwrSf5u4w" outgoing="\_QD8FkKjCEeK\_xvwrSf5u4w" incoming="\_H5jeEKjCEeK\_xvwrSf5u4w \_Lmr3IKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_H5jeEKjCEeK\_xvwrSf5u4w" targetRef="\_H5i3AKjCEeK\_xvwrSf5u4w" sourceRef="\_GvXi4KjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:ManualTask" id="\_JAQncKjCEeK\_xvwrSf5u4w" name="Evaluate hotels within customer critaria" outgoing="\_Lmr3IKjCEeK\_xvwrSf5u4w" incoming="\_JAR1kKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_JAR1kKjCEeK\_xvwrSf5u4w" targetRef="\_JAQncKjCEeK\_xvwrSf5u4w" sourceRef="\_\_M0-gKjBEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_Lmr3IKjCEeK\_xvwrSf5u4w" targetRef="\_H5i3AKjCEeK\_xvwrSf5u4w" sourceRef="\_JAQncKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:ManualTask" id="\_QD63cKjCEeK\_xvwrSf5u4w" name="Package flights and hotels for customer review" outgoing="\_REj1EKjCEeK\_xvwrSf5u4w" incoming="\_QD8FkKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_QD8FkKjCEeK\_xvwrSf5u4w" targetRef="\_QD63cKjCEeK\_xvwrSf5u4w" sourceRef="\_H5i3AKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:ManualTask" id="\_REim8KjCEeK\_xvwrSf5u4w" name="Present flights and hotels to customer" outgoing="\_VNq\_gajCEeK\_xvwrSf5u4w \_nVHtEKjCEeK\_xvwrSf5u4w" incoming="\_REj1EKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_REj1EKjCEeK\_xvwrSf5u4w" targetRef="\_REim8KjCEeK\_xvwrSf5u4w" sourceRef="\_QD63cKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_VNq\_gajCEeK\_xvwrSf5u4w" sourceRef="\_REim8KjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:StartEvent" id="\_fl4wgKjCEeK\_xvwrSf5u4w" outgoing="\_wHPqAKjCEeK\_xvwrSf5u4w" incoming="\_fl5XkKjCEeK\_xvwrSf5u4w \_n03kIKjCEeK\_xvwrSf5u4w">**

**<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_1pBQgKjCEeK\_xvwrSf5u4w"/>**

**</flowElements>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_fl5XkKjCEeK\_xvwrSf5u4w" targetRef="\_fl4wgKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:StartEvent" id="\_gLpI8KjCEeK\_xvwrSf5u4w" outgoing="\_zJMYEKjCEeK\_xvwrSf5u4w" incoming="\_gLpwAKjCEeK\_xvwrSf5u4w \_onOOIKjCEeK\_xvwrSf5u4w">**

**<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_2nV58KjCEeK\_xvwrSf5u4w"/>**

**</flowElements>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_gLpwAKjCEeK\_xvwrSf5u4w" targetRef="\_gLpI8KjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:StartEvent" id="\_gsrZcKjCEeK\_xvwrSf5u4w" outgoing="\_xgIvkKjCEeK\_xvwrSf5u4w" incoming="\_gssAgKjCEeK\_xvwrSf5u4w \_oNSrMKjCEeK\_xvwrSf5u4w">**

**<eventDefinitions xsi:type="bpmn:TimerEventDefinition" id="\_2KgM8KjCEeK\_xvwrSf5u4w"/>**

**</flowElements>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_gssAgKjCEeK\_xvwrSf5u4w" targetRef="\_gsrZcKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:EventBasedGateway" id="\_mKHSgKjCEeK\_xvwrSf5u4w" outgoing="\_n03kIKjCEeK\_xvwrSf5u4w \_oNSrMKjCEeK\_xvwrSf5u4w \_onOOIKjCEeK\_xvwrSf5u4w" incoming="\_nVHtEKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_nVHtEKjCEeK\_xvwrSf5u4w" targetRef="\_mKHSgKjCEeK\_xvwrSf5u4w" sourceRef="\_REim8KjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_n03kIKjCEeK\_xvwrSf5u4w" targetRef="\_fl4wgKjCEeK\_xvwrSf5u4w" sourceRef="\_mKHSgKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_oNSrMKjCEeK\_xvwrSf5u4w" targetRef="\_gsrZcKjCEeK\_xvwrSf5u4w" sourceRef="\_mKHSgKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_onOOIKjCEeK\_xvwrSf5u4w" targetRef="\_gLpI8KjCEeK\_xvwrSf5u4w" sourceRef="\_mKHSgKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:ManualTask" id="\_wHPC8KjCEeK\_xvwrSf5u4w" name="Request credit card information" outgoing="\_6bgIEKjCEeK\_xvwrSf5u4w" incoming="\_wHPqAKjCEeK\_xvwrSf5u4w" boundaryEventRefs="\_G5c2gKjDEeK\_xvwrSf5u4w \_vjRoAKjHEeKfxP\_htjREQQ"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_wHPqAKjCEeK\_xvwrSf5u4w" targetRef="\_wHPC8KjCEeK\_xvwrSf5u4w" sourceRef="\_fl4wgKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:ServiceTask" id="\_xgIIgKjCEeK\_xvwrSf5u4w" name="Notify customer to start again" outgoing="\_LKKcwKjOEeKSNoCYL5SGfQ" incoming="\_xgIvkKjCEeK\_xvwrSf5u4w \_NNqmkKjDEeK\_xvwrSf5u4w" boundaryEventRefs="\_e\_FH0KjFEeKByZYE3SKnNQ"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_xgIvkKjCEeK\_xvwrSf5u4w" targetRef="\_xgIIgKjCEeK\_xvwrSf5u4w" sourceRef="\_gsrZcKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:ScriptTask" id="\_zJLxAKjCEeK\_xvwrSf5u4w" name="Update record customer" outgoing="\_4iGWcKjCEeK\_xvwrSf5u4w" incoming="\_zJMYEKjCEeK\_xvwrSf5u4w \_LKKcwKjOEeKSNoCYL5SGfQ"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_zJMYEKjCEeK\_xvwrSf5u4w" targetRef="\_zJLxAKjCEeK\_xvwrSf5u4w" sourceRef="\_gLpI8KjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:EndEvent" id="\_4iFvYKjCEeK\_xvwrSf5u4w" incoming="\_4iGWcKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_4iGWcKjCEeK\_xvwrSf5u4w" targetRef="\_4iFvYKjCEeK\_xvwrSf5u4w" sourceRef="\_zJLxAKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:StartEvent" id="\_6bfhAKjCEeK\_xvwrSf5u4w" incoming="\_6bgIEKjCEeK\_xvwrSf5u4w">**

**<eventDefinitions xsi:type="bpmn:LinkEventDefinition" id="\_7pEucKjCEeK\_xvwrSf5u4w"/>**

**</flowElements>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_6bgIEKjCEeK\_xvwrSf5u4w" targetRef="\_6bfhAKjCEeK\_xvwrSf5u4w" sourceRef="\_wHPC8KjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:EndEvent" id="\_\_GfQgKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:BoundaryEvent" id="\_G5c2gKjDEeK\_xvwrSf5u4w" outgoing="\_NNqmkKjDEeK\_xvwrSf5u4w" attachedToRef="\_wHPC8KjCEeK\_xvwrSf5u4w">**

**<eventDefinitions xsi:type="bpmn:TimerEventDefinition" id="\_KEJ38KjDEeK\_xvwrSf5u4w"/>**

**</flowElements>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_NNqmkKjDEeK\_xvwrSf5u4w" targetRef="\_xgIIgKjCEeK\_xvwrSf5u4w" sourceRef="\_G5c2gKjDEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:BoundaryEvent" id="\_e\_FH0KjFEeKByZYE3SKnNQ" attachedToRef="\_xgIIgKjCEeK\_xvwrSf5u4w">**

**<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_f9mlkKjFEeKByZYE3SKnNQ"/>**

**</flowElements>**

**<flowElements xsi:type="bpmn:BoundaryEvent" id="\_mePoEKjFEeKByZYE3SKnNQ" attachedToRef="\_yp\_JAKjBEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:BoundaryEvent" id="\_vjRoAKjHEeKfxP\_htjREQQ" attachedToRef="\_wHPC8KjCEeK\_xvwrSf5u4w">**

**<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_wZXigKjHEeKfxP\_htjREQQ"/>**

**</flowElements>**

**<flowElements xsi:type="bpmn:BoundaryEvent" id="\_7e0soKjKEeKSNoCYL5SGfQ" attachedToRef="\_yJjVcKjBEeK\_xvwrSf5u4w">**

**<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_8Yp3oKjKEeKSNoCYL5SGfQ"/>**

**</flowElements>**

**<flowElements xsi:type="bpmn:BoundaryEvent" id="\_9F0foKjKEeKSNoCYL5SGfQ" attachedToRef="\_GvXi4KjCEeK\_xvwrSf5u4w">**

**<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_91khkKjKEeKSNoCYL5SGfQ"/>**

**</flowElements>**

**<flowElements xsi:type="bpmn:StartEvent" id="\_5Jf-kKjLEeKSNoCYL5SGfQ" outgoing="\_52aH4KjLEeKSNoCYL5SGfQ"/>**

**<flowElements xsi:type="bpmn:Task" id="\_52XEkKjLEeKSNoCYL5SGfQ" name="Request a trip" incoming="\_52aH4KjLEeKSNoCYL5SGfQ" boundaryEventRefs="\_9\_kVoKjLEeKSNoCYL5SGfQ"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_52aH4KjLEeKSNoCYL5SGfQ" targetRef="\_52XEkKjLEeKSNoCYL5SGfQ" sourceRef="\_5Jf-kKjLEeKSNoCYL5SGfQ"/>**

**<flowElements xsi:type="bpmn:BoundaryEvent" id="\_9\_kVoKjLEeKSNoCYL5SGfQ" attachedToRef="\_52XEkKjLEeKSNoCYL5SGfQ">**

**<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_-ZlYIKjLEeKSNoCYL5SGfQ"/>**

**</flowElements>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_LKKcwKjOEeKSNoCYL5SGfQ" targetRef="\_zJLxAKjCEeK\_xvwrSf5u4w" sourceRef="\_xgIIgKjCEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:SequenceFlow" id="\_DwpzQI8wEe-v648egk3nxQ" sourceRef="\_\_vFXAKjBEeK\_xvwrSf5u4w"/>**

**<flowElements xsi:type="bpmn:BoundaryEvent" id="\_FMLWEI8wEe-v648egk3nxQ" attachedToRef="\_\_vFXAKjBEeK\_xvwrSf5u4w">**

**<eventDefinitions xsi:type="bpmn:MessageEventDefinition" id="\_FkP30I8wEe-v648egk3nxQ"/>**

**</flowElements>**

**<laneSets id="\_bnUeoKjBEeK\_xvwrSf5u4w" name="Customer">**

**<lanes id="\_bnYJAKjBEeK\_xvwrSf5u4w" name="Travel booking" flowNodeRefs="\_yJjVcKjBEeK\_xvwrSf5u4w \_yp\_JAKjBEeK\_xvwrSf5u4w \_\_GfQgKjCEeK\_xvwrSf5u4w \_5Jf-kKjLEeKSNoCYL5SGfQ \_52XEkKjLEeKSNoCYL5SGfQ"/>**

**</laneSets>**

**<laneSets id="\_gxuG8KjBEeK\_xvwrSf5u4w" name="Travel Agency">**

**<lanes id="\_gxuuAKjBEeK\_xvwrSf5u4w" name="Travel" flowNodeRefs="\_5F1LEKjBEeK\_xvwrSf5u4w \_9dquAKjBEeK\_xvwrSf5u4w \_\_M0-gKjBEeK\_xvwrSf5u4w \_\_vFXAKjBEeK\_xvwrSf5u4w \_GvXi4KjCEeK\_xvwrSf5u4w \_H5i3AKjCEeK\_xvwrSf5u4w \_JAQncKjCEeK\_xvwrSf5u4w \_QD63cKjCEeK\_xvwrSf5u4w \_REim8KjCEeK\_xvwrSf5u4w \_fl4wgKjCEeK\_xvwrSf5u4w \_gLpI8KjCEeK\_xvwrSf5u4w \_gsrZcKjCEeK\_xvwrSf5u4w \_mKHSgKjCEeK\_xvwrSf5u4w \_wHPC8KjCEeK\_xvwrSf5u4w \_xgIIgKjCEeK\_xvwrSf5u4w \_zJLxAKjCEeK\_xvwrSf5u4w \_4iFvYKjCEeK\_xvwrSf5u4w \_6bfhAKjCEeK\_xvwrSf5u4w \_FMLWEI8wEe-v648egk3nxQ"/>**

**</laneSets>**

**</rootElements>**

**<rootElements xsi:type="bpmn:Collaboration" id="\_mzUyIKjDEeK\_xvwrSf5u4w">**

**<messageFlows id="\_7LA\_0KjKEeKSNoCYL5SGfQ" sourceRef="\_9F0foKjKEeKSNoCYL5SGfQ" targetRef="\_yJjVcKjBEeK\_xvwrSf5u4w"/>**

**<messageFlows id="\_CF0OwKjLEeKSNoCYL5SGfQ" sourceRef="\_7e0soKjKEeKSNoCYL5SGfQ" targetRef="\_GvXi4KjCEeK\_xvwrSf5u4w"/>**

**<messageFlows id="\_Ns60wKjLEeKSNoCYL5SGfQ" sourceRef="\_vjRoAKjHEeKfxP\_htjREQQ" targetRef="\_yp\_JAKjBEeK\_xvwrSf5u4w"/>**

**<messageFlows id="\_Oci64KjLEeKSNoCYL5SGfQ" sourceRef="\_mePoEKjFEeKByZYE3SKnNQ" targetRef="\_wHPC8KjCEeK\_xvwrSf5u4w"/>**

**<messageFlows id="\_YXW-MKjLEeKSNoCYL5SGfQ" sourceRef="\_e\_FH0KjFEeKByZYE3SKnNQ" targetRef="\_\_GfQgKjCEeK\_xvwrSf5u4w"/>**

**<messageFlows id="\_\_TvTQKjLEeKSNoCYL5SGfQ" sourceRef="\_9\_kVoKjLEeKSNoCYL5SGfQ" targetRef="\_5F1LEKjBEeK\_xvwrSf5u4w"/>**

**</rootElements>**

**</bpmn:Definitions>**

Now you are a business process expert, you have to use “BPMN Designer” tool.

<PROBLEM>

Generate the BPMN file compliant with the given “BPMN Designer” metamodel