

$\langle \text{ActivityModel} \rangle ::= \langle \text{Activity} \rangle^* \langle \text{ActivityConnection} \rangle$
 $\langle \text{Activity} \rangle ::= \langle \text{ActivityStart} \rangle \mid \langle \text{ActivityAction} \rangle \mid \langle \text{ActivityCondition} \rangle \mid \langle \text{ActivityDisplay} \rangle$
 $\langle \text{ActivityStart} \rangle ::= \epsilon$
 $\langle \text{ActivityAction} \rangle ::= \langle \text{ActivityFlowCall} \rangle \mid \langle \text{ActivityPitaBuildInforRequest} \rangle \mid \langle \text{ActivityLoadExternalData} \rangle$
 $\langle \text{ActivityFlowCall} \rangle ::= \text{ref}(\text{FlowTemplate}) \langle \text{ActivityPortValue} \rangle^* \langle \text{TemplateParameterValue} \rangle^* \langle \text{ValueTransformation} \rangle^*$
 $\langle \text{ActivityPitaBuildInforRequest} \rangle ::= \langle \text{string abdFilename} \rangle \langle \text{string requestAlias} \rangle \langle \text{string expectedSystems} \rangle^* \langle \text{number timeout} \rangle$
 $\langle \text{ActivityLoadExternalData} \rangle ::= \langle \text{Type dataType} \rangle \langle \text{string dataSource} \rangle$
 $\langle \text{ActivityPortValue} \rangle ::= \langle \text{FlowPortValue} \rangle \mid \langle \text{ActivityPortRefernce} \rangle$
 $\langle \text{FlowPortValue} \rangle ::= \langle \text{string} \rangle \mid \langle \text{number} \rangle \mid \langle \text{bool} \rangle \mid \langle \text{date} \rangle \mid \langle \text{FlowPortValue} \rangle^*$
 $\langle \text{ActivityPortRefernce} \rangle ::= \text{ref}(\text{ActivityAction}) (\text{ValueTransformation})^*$
 $\langle \text{ValueTransformation} \rangle ::= \langle \text{string objectReference} \rangle \mid \langle \text{number listIndex} \rangle$
 $\langle \text{ActivityCondition} \rangle ::= \langle \text{ActivityBinaryCondition} \rangle \mid \langle \text{ActivityValidityCondition} \rangle$
 $\langle \text{ActivityBinaryCondition} \rangle ::= \text{ref}(\text{FlowTemplate}) \langle \text{ActivityBinaryConditionOperator} \rangle \langle \text{ActivityPortValue left} \rangle \langle \text{ActivityPortValue right} \rangle$
 $\langle \text{ActivityValidityCondition} \rangle ::= \langle \text{ActivityPortValue} \rangle^*$
 $\langle \text{ActivityBinaryCondition} \rangle ::= '=' \mid '\neq' \mid '<' \mid '\leq' \mid '>' \mid '\geq'$
 $\langle \text{ActivityDisplay} \rangle ::= \langle \text{ActivityDisplayField} \rangle^*$
 $\langle \text{ActivityDisplayField} \rangle ::= \langle \text{string label} \rangle \langle \text{string color} \rangle \text{ref}(\text{ActivityAction})$

Grammatik TODO Aktivitätsmodell

$\langle \text{FlowInstance} \rangle ::= \langle \text{FlowOutputPort } \lambda \text{ambdaArguments} \rangle^* \langle \text{FlowInputPort } \lambda \text{ambdaArguments} \rangle^*$

$\langle \text{FlowLambda} \rangle ::= \langle \text{FlowOutputPort } \lambda \text{ambdaArguments} \rangle^* \langle \text{FlowInputPort } \lambda \text{ambdaArguments} \rangle^*$

$\langle \text{FlowInputPort} \rangle ::= \langle \text{string name} \rangle \langle \text{Type} \rangle \langle \text{bool acceptsError} \rangle$

$\langle \text{FlowOutputPort} \rangle ::= \langle \text{string name} \rangle \langle \text{Type} \rangle \langle \text{bool producesError} \rangle$

Grammatik TODO Flow-Instanz

$\langle \text{FlowTemplate} \rangle ::= \langle \text{Flow} \rangle \langle \text{TemplateParameter} \rangle^*$

$\langle \text{Flow} \rangle ::= \langle \text{LibraryFlow} \rangle \mid \langle \text{FlowModel} \rangle$

$\langle \text{LibraryFlow} \rangle ::= \epsilon$

$\langle \text{TemplateParameter} \rangle ::= \text{'String'} \mid \text{'Number'} \mid \text{'Bool'} \mid \langle \text{TemplateParameterList} \rangle$

$\langle \text{TemplateParameterList} \rangle ::= \langle \text{TemplateParameter} \rangle$

Grammatik TODO Flow-Template $\text{iFlowModel}_i ::= \text{iFlowInstance}_i \text{iFlowNode}_i^* \text{iFlowConnection}_i^*$

$\text{iFlowNode}_i ::= \text{iFlowNodeOutput}_i \text{---} \text{iFlowNodeInput}_i \text{---} \text{iFlowNodeLambda}_i \text{---} \text{iFlowNodeFlowCall}_i$

$\text{iFlowNodeOutput}_i ::= \text{ref}(\text{FlowOutputPort}) \text{iFlowPortValue}_i$

$\text{iFlowNodeLambda}_i ::= \text{ref}(\text{FlowLambda}) \text{iFlowPortValue}_i^*$

$\text{iFlowNodeFlowCall}_i ::= \text{ref}(\text{FlowTemplate}) \text{iFlowPortValue}_i^* \text{iTemplateParameterValue}_i^*$

$\text{iFlowConnection}_i ::= \text{ref}(\text{FlowOutputPort source}) \text{ref}(\text{FlowOutputPort target})$

$\text{iTemplateParameterValue}_i ::= \text{istring}_i \text{---} \text{inumber}_i \text{---} \text{ibool}_i \text{---} \text{iTemplateParameterValueList}_i$

$\text{iTemplateParameterValueList} ::= \text{iTemplateParameterValue}_i^*$