

***INTEGRAL SOFTWARE  
ENGINEERING METHODOLOGY  
(ISEM) FORMAL DESIGN LANGUAGE***

by Kent D. Palmer

SOFTWARE ENGINEERING  
FOUNDATIONS: Part III

Appendix 5

The ISEM Language

PO Box 4402  
Garden Grove CA 92842  
714-638-7376

AC1 cquireSemaphore..... ->

**ACTOR: ACQUIRE SEMAPHORE id [z666]**

AC2 CommCnecotrFromPortToPort..... ->

**ACTOR: COMMUNICATE CONNECTOR id FROM PORT id TO PORT id [z678]**

AC3 CommCnecotrFromTaskToTask..... ->

**ACTOR: COMMUNICATE CONNECTOR id FROM TASK id TO TASK id [z668]**

AC4 CommCnecotrFromPort..... ->

**ACTOR: COMMUNICATE CONNECTOR id FROM PORT id [z697]**

AC5 CommCnecotrToPort..... ->

**ACTOR: COMMUNICATE CONNECTOR id TO PORT id [z698]**

AC6 CommCnecotrFromTask..... ->

**ACTOR: COMMUNICATE CONNECTOR id FROM TASK id [z699]**

AC7 CommCnecotrToTask..... ->

**ACTOR: COMMUNICATE CONNECTOR id TO TASK id [z700]**

AC8 DefldentIsActor..... ->

**ACTOR: DEFINE IDENTIFIER id IS ACTOR [z671]**

AC9 DefldenfifierIsIrx..... ->

**ACTOR: DEFINE: IDENTIFIER id IS IRAX [z683]**

AC10 DefldenfifierIsLpos..... ->

**ACTOR: DEFINE: IDENTIFIER id IS LPOS [z682]**

AC11 DefldenfifierIsSrax..... ->

**ACTOR: DEFINE: IDENTIFIER id IS SRAX [z681]**

AC12 DefldentiferIsNamespace..... ->

**ACTOR: DEFINE: IDENTIFIER id IS NAMESPACE [z679]**

AC13 DefldentIsCnecotr..... ->

**ACTOR: DEFINE: IDENTIFIER id IS CONNECTOR [z658]**

AC14 DefldentIsFile..... ->

**ACTOR: DEFINE: IDENTIFIER id IS FILE [z659]**

AC15 DefldentIsInteraction..... ->

**ACTOR: DEFINE: IDENTIFIER id IS INTERACTION [z660]**

AC16 DefIdentsMailbox..... ->

**ACTOR: DEFINE: IDENTIFIER id IS MAILBOX [z661]**

AC17 DefIdentsPipe..... ->

**ACTOR: DEFINE: IDENTIFIER id IS PIPE [z662]**

AC18 DefIdentsPort..... ->

**ACTOR: DEFINE: IDENTIFIER id IS PORT [z674]**

AC19 DefIdentsPostal..... ->

**ACTOR: DEFINE: IDENTIFIER id IS POSTALSERVICE [z680]**

AC20 DefIdentsRendezvous..... ->

**ACTOR: DEFINE: IDENTIFIER id IS RENDEZVOUS [z663]**

AC21 DefIdentsSemaphore..... ->

**ACTOR: DEFINE: IDENTIFIER id IS SEMAPHORE [z664]**

AC22 PositActorInhabitsIrax..... ->

**ACTOR: POSIT: ACTOR id INHABITS IRAX id [z688]**

AC23 PositActorHasTask..... ->

**ACTOR: POSIT: ACTOR id HAS TASK id [z672]**

AC24 PositAgentHasActor..... ->

**ACTOR: POSIT: AGENT id HAS ACTOR id [z673]**

AC25 PositAgentInhabitsSrax..... ->

**ACTOR: POSIT: AGENT id INHABITS SRAX id [z687]**

AC26 PositCnectrlsFile..... ->

**ACTOR: POSIT: CONNECTOR id IS FILE id [z654]**

AC27 PositCnectrlsFlag..... ->

**ACTOR: POSIT: CONNECTOR id IS FLAG id [z657]**

AC28 PositCnectrlsInteraction..... ->

**ACTOR: POSIT: CONNECTOR id IS INTERACTION id [z650]**

AC29 PositCnectrlsMailbox..... ->

**ACTOR: POSIT: CONNECTOR id IS MAILBOX id [z652]**

AC30 PositCnectrlsPipe..... ->

**ACTOR: POSIT: CONNECTOR id IS PIPE id [z653]**

AC31 PositCnectrlsQueue..... ->

**ACTOR: POSIT: CONNECTOR id IS QUEUE id [z651]**

AC32 PositCnectrlsRendezvous..... ->

**ACTOR: POSIT: CONNECTOR id IS RENDEZVOUS id [z655]**

AC33 PositCnectrlsSemaphore..... ->

**ACTOR: POSIT: CONNECTOR id IS SEMAPHORE id [z656]**

AC34 PositInteractionIncludesTask.. ->

**ACTOR: POSIT: INTERACTION id INCLUDES TASK id [z665]**

AC35 PositIraxHasNamespace..... ->

**ACTOR: POSIT: IRAX id HAS NAMESPACE id [z691]**

AC36 PositIraxHasPostal..... ->

**ACTOR: POSIT: IRAX id HAS POSTALSERVICE id [z694]**

AC37 PositIraxIsWithinSrax..... ->

**ACTOR: POSIT: IRAX id IS WITHIN SRAX id [z701]**

AC38 PositLposIsWithinIrax..... ->

**ACTOR: POSIT: LPOS id IS WITHIN IRAX id [z685]**

AC39 PositLposHasNamespace..... ->

**ACTOR: POSIT: LPOS id HAS NAMESPACE id [z692]**

AC40 PositLposHasPostal..... ->

**ACTOR: POSIT: LPOS id HAS POSTALSERVICE id [z695]**

AC41 PositLposManagesProcessor..... ->

**ACTOR: POSIT: LPOS id MANAGES PROCESSOR id [z684]**

AC42 PositLposIsWithinSrax..... ->

**ACTOR: POSIT: LPOS id IS WITHIN SRAX id [z686]**

AC43 PositSraxHasNamespace..... ->

**ACTOR: POSIT: SRAX id HAS NAMESPACE id [z690]**

AC44 PositSraxHasPostal..... ->

**ACTOR: POSIT: SRAX id HAS POSTALSERVICE id [z693]**

AC45 PositTaskInhabitsLpos..... ->

**ACTOR: POSIT: TASK id INHABITS LPOS id [z689]**

AC46 PositTaskHasPortIn..... ->

**ACTOR: POSIT: TASK id HAS PORT id IN [z675]**

AC47 PositTaskHasPortInout..... ->

**ACTOR: POSIT: TASK id HAS PORT id INOUT [z677]**

AC48 PositTaskHasPortOut..... ->

**ACTOR: POSIT: TASK id HAS PORT id OUT [z676]**

AC49 ReadAttribute..... ->

**ACTOR: READ ATTRIBUTE id [z902]**

AC50 ReadDatastoreObjectAttr..... ->

**ACTOR: READ DATASTORE id OBJECT id ATTRIBUTE id [z669]**

ACX51 ReadObjectAttribute..... ->

**ACTOR: READ OBJECT id ATTRIBUTE id [z903]**

AC52 ReleaseSemaphore..... ->

**ACTOR: RELEASE SEMAPHORE id [z667]**

AC53 WriteAttribute..... ->

**ACTOR: WRITE ATTRIBUTE id [z901]**

AC54 WriteDatastoreObjectAttr..... ->

**ACTOR: WRITE DATASTORE id OBJECT id ATTRIBUTE id [z670]**

AC55 WriteObjectAttribute..... ->

**ACTOR: WRITE OBJECT id ATTRIBUTE id [z900]**

AR1 CnectArcFrmIfaceToIface..... ->

**ARCH: CONNECT ARC id FROM INTERFACE id TO INTERFACE id [z85]**

AR2 CnectArcFrmNodeToNodeDirless.. ->

**ARCH: CONNECT ARC id FROM NODE id TO NODE id DIRECTIONLESS [z83]**

AR3 CnectArcFrmNodeToNodeDiral.... ->

**ARCH: CONNECT ARC id FROM NODE id TO NODE id DIRECTIONAL [z82]**

AR4 CnectArcFrmNodeToNodeBidiral.. ->

**ARCH: CONNECT ARC id FROM NODE id TO NODE id BIDIRECTIONAL [z55]**

AR5 CnectArcToNodeAsSink..... ->

**ARCH: CONNECT ARC id TO NODE id AS SINK [z45]**

AR6 CnectArcFrmNodeAsSource..... ->

**ARCH: CONNECT ARC id FROM NODE id AS SOURCE [z46]**

AR7 DefArclsBundle..... ->

**ARCH: DEFINE: ARC id IS BUNDLE id [z41]**

AR8 DefArclsCnector..... ->

**ARCH: DEFINE: ARC id IS CONNECTOR id [z42]**

AR9 DefArclsControlflow..... ->

**ARCH: DEFINE: ARC id IS CONTROLFLOW id [z43]**

AR10 DefArclsDataflow..... ->

**ARCH: DEFINE: ARC id IS DATAFLOW id [z44]**

AR11 DefArclsMapping..... ->

**ARCH: DEFINE: ARC id IS MAPPING id [z50]**

AR12 DefArclsRel..... ->

**ARCH: DEFINE: ARC id IS RELATION id [z52]**

AR13 DefArclsSheaf..... ->

**ARCH: DEFINE: ARC id IS SHEAF id [z53]**

AR14 DefArclsSignal..... ->

**ARCH: DEFINE: ARC id IS SIGNAL id [z54]**

AR15 DefArclsTransit..... ->

**ARCH: DEFINE: ARC id IS TRANSIT id [z57]**

AR16 DefArclsType..... ->

**ARCH: DEFINE: ARC id IS TYPE id [z56]**

AR17 DefArtifactHasArch..... ->

**ARCH: DEFINE: ARTIFACT id HAS ARCHITECTURE id [z73]**

AR18 DefArtifactIsOfType..... ->

**ARCH: DEFINE: ARTIFACT id IS OF TYPE id [z72]**

AR19 DefComponentIsOfType..... ->

**ARCH: DEFINE: COMPONENT id IS OF TYPE id [z78]**

AR20 DefIdentIsAppl..... ->

**ARCH: DEFINE: IDENTIFIER id IS APPLICATION [z40]**

AR21 DefIdentIsArcOfType..... ->

**ARCH: DEFINE: IDENTIFIER id IS ARC OF TYPE id [z47]**

AR22 DefIdentIsArc..... ->

**ARCH: DEFINE: IDENTIFIER id IS ARC id [z48]**

AR23 DefIdentIsArch..... ->

**ARCH: DEFINE: IDENTIFIER id IS ARCHITECTURE [z68]**

AR24 DefIdentIsArtifactOfType..... ->

**ARCH: DEFINE: IDENTIFIER id IS ARTIFACT OF TYPE id [z70]**

AR25 DefIdentIsArtifact..... ->

**ARCH: DEFINE: IDENTIFIER id IS ARTIFACT [z71]**

AR26 DefIdentIsComponentOfType..... ->

**ARCH: DEFINE: IDENTIFIER id IS COMPONENT id OF TYPE id [z76]**

AR27 DefIdentIsComponent..... ->

**ARCH: DEFINE: IDENTIFIER id IS COMPONENT id [z75]**

AR28 DefIdentIsConfig..... ->

**ARCH: DEFINE: IDENTIFIER id IS CONFIGURATION [z81]**

AR29 DefIdentIsImpl..... ->

**ARCH: DEFINE: IDENTIFIER id IS IMPLEMENTATION [z84]**

AR30 DefIdentIsIfaceOfType..... ->

**ARCH: DEFINE: IDENTIFIER id IS INTERFACE id OF TYPE id [z87]**

AR31 DefIdentIsIface..... ->

**ARCH: DEFINE: IDENTIFIER id IS INTERFACE [z86]**

AR32 DefIdentIsIsect..... ->

**ARCH: DEFINE: IDENTIFIER id IS INTERSECTION [z91]**

AR33 DefIdentIsLayer..... ->

**ARCH: DEFINE: IDENTIFIER id IS LAYER [z97]**

AR34 DefIdentIsNodeOfType..... ->

**ARCH: DEFINE: IDENTIFIER id IS NODE id OF TYPE id [z104]**

AR35 DefIdentIsNode..... ->

**ARCH: DEFINE: IDENTIFIER id IS NODE [z105]**

AR36 DefIdentIsPartit..... ->

**ARCH: DEFINE: IDENTIFIER id IS PARTITION [z126]**

AR37 DefIdentIsService..... ->

**ARCH: DEFINE: IDENTIFIER id IS SERVICE id [z142]**

AR38 DefIdentIsStrata..... ->

**ARCH: DEFINE: IDENTIFIER id IS STRATA [z146]**

AR39 DefIdentIsTier..... ->

**ARCH: DEFINE: IDENTIFIER id IS TIER [z151]**

AR40 DefIdentIsUnitOfType..... ->

**ARCH: DEFINE: IDENTIFIER id IS UNIT OF TYPE id [z154]**

AR41 DefIdentIsUnit..... ->

**ARCH: DEFINE: IDENTIFIER id IS UNIT [z153]**

AR42 DefIfacelsOfType..... ->

**ARCH: DEFINE: INTERFACE id IS OF TYPE id [z88]**

AR43 DefNodelsAgent..... ->

**ARCH: DEFINE: NODE id IS AGENT id [z100]**

AR44 DefNodeHasAnyid..... ->

**ARCH: DEFINE: NODE id HAS ANYID id [z124]**

AR45 DefNodelsAnyid..... ->

**ARCH: DEFINE: NODE id IS ANYID id [z123]**

AR46 DefNodelsAmata..... ->

**ARCH: DEFINE: NODE id IS AUTOMATA id [z101]**

AR47 DefNodelsAutonetic..... ->



**ARCH: DEFINE: NODE id IS AUTONETIC id [z116]**

AR48 DefNodelsBranch..... ->

**ARCH: DEFINE: NODE id IS BRANCH id [z115]**

AR49 DefNodelsContext..... ->

**ARCH: DEFINE: NODE id IS CONTEXT id [z122]**

AR50 DefNodelsDatastore..... ->

**ARCH: DEFINE: NODE id IS DATASTORE id [z119]**

AR51 DefNodelsEntity..... ->

**ARCH: DEFINE: NODE id IS ENTITY id [z102]**

AR52 DefNodelsEventuality..... ->

**ARCH: DEFINE: NODE id IS EVENTUALITY id [z103]**

AR53 DefNodelsExternal..... ->

**ARCH: DEFINE: NODE id IS EXTERNAL id [z120]**

AR54 DefNodelsFile..... ->

**ARCH: DEFINE: NODE id IS FILE id [z121]**

AR55 DefNodelsMachine..... ->

**ARCH: DEFINE: NODE id IS MACHINE id [z118]**

AR56 DefNodelsObject..... ->

**ARCH: DEFINE: NODE id IS OBJECT id [z106]**

AR57 DefNodelsPetriNet..... ->

**ARCH: DEFINE: NODE id IS PETRINET id [z107]**

AR58 DefNodelsPlace..... ->

**ARCH: DEFINE: NODE id IS PLACE id [z114]**

AR59 DefNodelsProcess..... ->

**ARCH: DEFINE: NODE id IS PROCESS id [z108]**

AR60 DefNodelsProcessor..... ->

**ARCH: DEFINE: NODE id IS PROCESSOR id [z117]**

AR61 DefNodelsTemporality..... ->

**ARCH: DEFINE: NODE id IS TEMPORALITY id [z109]**

AR62 DefNodeIsType..... ->

**ARCH: DEFINE: NODE id IS TYPE id [z110]**

AR63 DefNodeIsWorld..... ->

**ARCH: DEFINE: NODE id IS WORLD id [z113]**

AR64 DefUnitIsOfType..... ->

**ARCH: DEFINE: UNIT id IS OF TYPE id [z155]**

AR65 PositArcHasAnyid..... ->

**ARCH: POSIT: ARC id HAS ANYID id [z330]**

AR66 PositArcIsAnyid..... ->

**ARCH: POSIT: ARC id IS ANYID id [z329]**

AR67 PositArcFromInterfaceToInterface..... ->

**ARCH: POSIT: ARC id FROM INTERFACE id TO INTERFACE id [z49]**

AR68 PositArcFromInterfaceToNode..... ->

**ARCH: POSIT: ARC id FROM INTERFACE id TO NODE id [z156]**

AR69 PositArcHasInterface..... ->

**ARCH: POSIT: ARC id HAS INTERFACE id [z69]**

AR70 PositArcFromNodeToInterface..... ->

**ARCH: POSIT: ARC id FROM NODE id TO INTERFACE id [z51]**

AR71 PositArcIsTransition..... ->

**ARCH: POSIT: ARC id IS TRANSITION id [z340]**

AR72 PositArchIncludesArc..... ->

**ARCH: POSIT: ARCHITECTURE id INCLUDES ARC id [z60]**

AR73 PositArchIncludesComponent.... ->

**ARCH: POSIT: ARCHITECTURE id INCLUDES COMPONENT id [z61]**

AR74 PositArchIncludesIssect..... ->

**ARCH: POSIT: ARCHITECTURE id INCLUDES INTERSECTION id [z62]**

AR75 PositArchIncludesLayer..... ->

**ARCH: POSIT: ARCHITECTURE id INCLUDES LAYER id [z63]**

AR76 PositArchIncludesNode..... ->

**ARCH: POSIT: ARCHITECTURE id INCLUDES NODE id [z64]**

AR77 PositArchIncludesPartit..... ->

**ARCH: POSIT: ARCHITECTURE id INCLUDES PARTITION id [z65]**

AR78 PositArchIncludesStrata..... ->

**ARCH: POSIT: ARCHITECTURE id INCLUDES STRATA id [z66]**

AR79 PositArchIncludesTier..... ->

**ARCH: POSIT: ARCHITECTURE id INCLUDES TIER id [z67]**

AR80 PositArtifactIncludesComponent ->

**ARCH: POSIT: ARTIFACT id INCLUDES COMPONENT id [z74]**

AR81 PositComponentHasIface..... ->

**ARCH: POSIT: COMPONENT id HAS INTERFACE id [z77]**

AR82 PositComponentIsInLayer..... ->

**ARCH: POSIT: COMPONENT id IS IN LAYER id [z99]**

AR83 PositComponentIsInPartit..... ->

**ARCH: POSIT: COMPONENT id IS IN PARTITION id [z129]**

AR84 PositComponentIsInStrata..... ->

**ARCH: POSIT: COMPONENT id IS IN STRATA id [z144]**

AR85 PositComponentIsInTier..... ->

**ARCH: POSIT: COMPONENT id IS IN TIER id [z152]**

AR86 PositComponentIncludesUnit.... ->

**ARCH: POSIT: COMPONENT id INCLUDES UNIT id [z79]**

AR87 PositConfigIncludesArtifact... ->

**ARCH: POSIT: CONFIGURATION id INCLUDES ARTIFACT id [z80]**

AR88 PositCoordinateBelongsToIsect. ->

**ARCH: POSIT: COORDINATE coord BELONGS TO INTERSECTION id [z90]**

AR89 PositIsectHasArtifact..... ->

**ARCH: POSIT: INTERSECTION id HAS ARTIFACT id [z92]**

AR90 PositIsectHasComponent..... ->

**ARCH: POSIT: INTERSECTION id HAS COMPONENT id [z93]**

AR91 PositIsectHasCoordinate..... ->

**ARCH: POSIT: INTERSECTION id HAS COORDINATE coord [z89]**

AR92 PositIsectHasUnit..... ->

**ARCH: POSIT: INTERSECTION id HAS UNIT id [z94]**

AR93 PositLayerIsAdjLayer..... ->

**ARCH: POSIT: LAYER id IS ADJACENT LAYER id [z95]**

AR94 PositLayerIsBelowLayer..... ->

**ARCH: POSIT: LAYER id IS BELOW LAYER id [z96]**

AR95 PositLayerIsAboveLayer..... ->

**ARCH: POSIT: LAYER id IS ABOVE LAYER id [z98]**

AR96 PositLayerIsectsPartitAtIsect. ->

**ARCH: POSIT: LAYER id INTERSECTS PARTITION id AT INTERSECTION id [z130]**

AR97 PositLayerIsectsStrataAtIsect. ->

**ARCH: POSIT: LAYER id INTERSECTS STRATA id AT INTERSECTION id [z131]**

AR98 PositLayerIsectsTierAtIsect... ->

**ARCH: POSIT: LAYER id INTERSECTS TIER id AT INTERSECTION id [z132]**

AR99 PositNodeHasComponent..... ->

**ARCH: POSIT: NODE id HAS COMPONENT id [z111]**

AR100 PositNodeHasIsect..... ->

**ARCH: POSIT: NODE id HAS INTERSECTION id [z112]**

AR101 PositNodeHasUnit..... ->

**ARCH: POSIT: NODE id HAS UNIT id [z328]**

AR102 PositPartIsectsLayerAtIsect. ->

**ARCH: POSIT: PARTITION id INTERSECTS LAYER id AT INTERSECTION id [z133]**

AR103 PositPartItIsOnLeftOfPartit... ->

**ARCH: POSIT: PARTITION id IS ON LEFT OF PARTITION id [z127]**

AR104 PositPartItIsAdjPartit..... ->

**ARCH: POSIT: PARTITION id IS ADJACENT PARTITION id [z125]**

AR105 PositPartItIsOnRightOfPartit.. ->

**ARCH: POSIT: PARTITION id IS ON RIGHT OF PARTITION id [z128]**

AR106 PositPartitlsectsStrataAtlsect ->

**ARCH: POSIT: PARTITION id INTERSECTS STRATA id AT INTERSECTION id [z134]**

AR107 PositPartitlsectsTierAtlsect.. ->

**ARCH: POSIT: PARTITION id INTERSECTS TIER id AT INTERSECTION id [z135]**

AR108 PositStratalsectsLayerAtlsect. ->

**ARCH: POSIT: STRATA id INTERSECTS LAYER id AT INTERSECTION id [z136]**

AR109 PositStratalsectsPartitAtlsect ->

**ARCH: POSIT: STRATA id INTERSECTS PARTITION id AT INTERSECTION id [z137]**

AR110 PositStratalsAdjStrata..... ->

**ARCH: POSIT: STRATA id IS ADJACENT STRATA id [z143]**

AR111 PositStratalsHitherStrata..... ->

**ARCH: POSIT: STRATA id IS HITHER STRATA id [z145]**

AR112 PositStratalsThitherStrata.... ->

**ARCH: POSIT: STRATA id IS THITHER STRATA id [z147]**

AR113 PositStratalsectsTierAtlsect.. ->

**ARCH: POSIT: STRATA id INTERSECTS TIER id AT INTERSECTION id [z138]**

AR114 PositTierlsectsLayerAtlsect... ->

**ARCH: POSIT: TIER id INTERSECTS LAYER id AT INTERSECTION id [z139]**

AR115 PositTierlsectsPartitAtlsect.. ->

**ARCH: POSIT: TIER id INTERSECTS PARTITION id AT INTERSECTION id [z140]**

AR116 PositTierlsectsStrataAtlsect.. ->

**ARCH: POSIT: TIER id INTERSECTS STRATA id AT INTERSECTION id [z141]**

AR117 PositTierlsAdjTier..... ->

**ARCH: POSIT: TIER id IS ADJACENT TIER id [z148]**

AR118 PositTierlsFrontTier..... ->

**ARCH: POSIT: TIER id IS FRONT TIER id [z150]**

AR119 PositTierlsBehindTier..... ->

**ARCH: POSIT: TIER id IS BEHIND TIER id [z149]**

AT1 AssignAmataStateToSvar..... ->

**AUTOMATA: ASSIGN AUTOMATA id STATE id TO STATEVAR id [z299]**

AT2 CnectTransitionFrmStateToState ->

**AUTOMATA: CONNECT TRANSITION id FROM STATE id TO STATE id [z296]**

AT3 DefIdentsAction..... ->

**AUTOMATA: DEFINE: IDENTIFIER id IS ACTION [z292]**

AT4 DefIdentsAmata..... ->

**AUTOMATA: DEFINE: IDENTIFIER id IS AUTOMATA [z300]**

AT5 DefIdentsMode..... ->

**AUTOMATA: DEFINE: IDENTIFIER id IS MODE [z308]**

AT6 DefIdentsStateA..... ->

**AUTOMATA: DEFINE: IDENTIFIER id IS STATE [z322]**

AT7 DefIdentsSvar..... ->

**AUTOMATA: DEFINE: IDENTIFIER id IS STATEVAR id [z311]**

AT8 DefIdentsTransition..... ->

**AUTOMATA: DEFINE: IDENTIFIER id IS TRANSITION id [z314]**

AT9 DefIdentsWorker..... ->

**AUTOMATA: DEFINE: IDENTIFIER id IS WORKER [z320]**

AT10 DoActionWhenEventInState..... ->

**AUTOMATA: DO ACTION id WHEN EVENT id IN STATE id [z304]**

AT11 DoActionOnEventForTransition.. ->

**AUTOMATA: DO ACTION id ON EVENT id FOR TRANSITION id [z316]**

AT12 AssertEventOccurs..... ->

**AUTOMATA: ASSERT: EVENT id OCCURS [z317]**

AT13 AssertModeHasTransitionDisabled ->

**AUTOMATA: ASSERT: MODE id HAS TRANSITION id DISABLED [z307]**

AT14 AssertModelsOn..... ->

**AUTOMATA: ASSERT: MODE id IS ON [z305]**

AT15 AssertModelsOff..... ->

**AUTOMATA: ASSERT: MODE id IS OFF [z306]**

AT16 AssertStateActivated..... ->

**AUTOMATA: ASSERT: STATE id ACTIVATED [z293]**

AT17 AssertStateDeactivated..... ->

**AUTOMATA: ASSERT: STATE id DEACTIVATED [z294]**

AT18 OnEventDoActionForTransition.. ->

**AUTOMATA: ON EVENT id DO ACTION id FOR TRANSITION id [z315]**

AT19 PositAmataIncludesAmata..... ->

**AUTOMATA: POSIT: AUTOMATA id INCLUDES AUTOMATA id [z301]**

AT20 PositAmataHasState..... ->

**AUTOMATA: POSIT: AUTOMATA id HAS STATE id [z297]**

AT21 PositAmataHasSvar..... ->

**AUTOMATA: POSIT: AUTOMATA id HAS STATEVAR id [z298]**

AT22 PositAmataHasTransition..... ->

**AUTOMATA: POSIT: AUTOMATA id HAS TRANSITION id [z295]**

AT23 PositTransitionHasAction..... ->

**AUTOMATA: POSIT: TRANSITION id HAS ACTION id [z312]**

AT24 PositTransitionHasEvent..... ->

**AUTOMATA: POSIT: TRANSITION id HAS EVENT id [z313]**

AT25 PositWorkerDoesActionInState.. ->

**AUTOMATA: POSIT: WORKER id DOES ACTION id IN STATE id [z318]**

AT26 PositWorkerDoesAction..... ->

**AUTOMATA: POSIT: WORKER id DOES ACTION id [z319]**

AT27 PositWorkerIsProcedure..... ->

**AUTOMATA: POSIT: WORKER id IS PROCEDURE id [z321]**

AT28 ReadSvarIntoVariable..... ->

**AUTOMATA: READ STATEVAR id INTO VARIABLE id [z309]**

AT29 SetSvarToState..... ->

**AUTOMATA: SET STATEVAR id TO STATE id [z303]**

AT30 WhenEventDoActionInState..... ->

**AUTOMATA: WHEN EVENT id DO ACTION id IN STATE id [z302]**

AT31 WriteSvarFrmVariable..... ->

**AUTOMATA: WRITE STATEVAR id FROM VARIABLE id [z310]**

DM1 DefDocumentIsType..... ->

**DOMAIN: DEFINE: DOCUMENT id IS TYPE id [z176]**

DM2 DefIdentIsCharacteristic..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS CHARACTERISTIC [z201]**

DM3 DefIdentIsDocumentOfType..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS DOCUMENT OF TYPE id [z172]**

DM4 DefIdentIsProductOfType..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS PRODUCT OF TYPE id [z173]**

DM5 DefIdentIsRepresentationOfType ->

**DOMAIN: DEFINE: IDENTIFIER id IS REPRESENTATION OF TYPE id [z171]**

DM6 DefIdentIsSpecificationOfType. ->

**DOMAIN: DEFINE: IDENTIFIER id IS SPECIFICATION OF TYPE id [z174]**

DM7 DefProductIsType..... ->

**DOMAIN: DEFINE: PRODUCT id IS TYPE id [z177]**

DM8 DefRepresentationIsType..... ->

**DOMAIN: DEFINE: REPRESENTATION id IS TYPE id [z175]**

DM9 DefSpecificationIsType..... ->

**DOMAIN: DEFINE: SPECIFICATION id IS TYPE id [z178]**

DM10 DefDomainIsOfType..... ->

**DOMAIN: DEFINE: DOMAIN id IS OF TYPE id [z159]**

DM11 DefIdentIsAggreg..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS AGGREGATION [z333]**

DM12 DefIdentIsAuthor..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS AUTHOR [z191]**

DM13 DefIdentIsBuild..... ->



**DOMAIN: DEFINE: IDENTIFIER id IS BUILD [z192]**

DM14 DefIdentIsCategory..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS CATEGORY [z198]**

DM15 DefIdentIsDate..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS DATE [z190]**

DM16 DefIdentIsDocument..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS DOCUMENT [z168]**

DM17 DefIdentIsDomainOfType..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS DOMAIN OF TYPE id [z158]**

DM18 DefIdentIsDomain..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS DOMAIN [z157]**

DM19 DefIdentIsGlossary..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS GLOSSARY [z167]**

DM20 DefIdentIsProduct..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS PRODUCT [z169]**

DM21 DefIdentIsRepresentation..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS REPRESENTATION [z165]**

DM22 DefIdentIsReqOfType..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS REQUIREMENT OF TYPE id [z211]**

DM23 DefIdentIsReq..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS REQUIREMENT [z210]**

DM24 DefIdentIsSpecification..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS SPECIFICATION [z170]**

DM25 DefIdentIsTaxon..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS TAXON [z197]**

DM26 DefIdentIsTaxonomy..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS TAXONOMY [z166]**

DM27 DefIdentIsVersion..... ->

**DOMAIN: DEFINE: IDENTIFIER id IS VERSION [z189]**

DM28 DefReqlsType..... ->

**DOMAIN: DEFINE: REQUIREMENT id IS TYPE id [z212]**

DM29 PositAnyidRelatesToReq..... ->

**DOMAIN: POSIT: ANYID id RELATES TO REQUIREMENT id [z213]**

DM30 PositCategoryRelatesToCategory->

**DOMAIN: POSIT: CATEGORY id RELATES TO CATEGORY id [z203]**

DM31 PositDomainHasSpec..... ->

**DOMAIN: POSIT: DOMAIN id HAS SPECIFICATION id [z331]**

DM32 PositReqHasText..... ->

**DOMAIN: POSIT: REQUIREMENT id HAS TEXT st [z332]**

DM33 PositAggregHasAnyid..... ->

**DOMAIN: POSIT: AGGREGATION id HAS ANYID id [z336]**

DM34 PositAggregHasArtifact..... ->

**DOMAIN: POSIT: AGGREGATION id HAS ARTIFACT id [z335]**

DM35 PositConfigHasAuthor..... ->

**DOMAIN: POSIT: AGGREGATION id HAS AUTHOR id [z187]**

DM36 PositConfigHasBuild..... ->

**DOMAIN: POSIT: AGGREGATION id HAS BUILD id [z188]**

DM37 PositConfigHasDate..... ->

**DOMAIN: POSIT: AGGREGATION id HAS DATE id [z186]**

DM38 PositConfigHasVersion..... ->

**DOMAIN: POSIT: AGGREGATION id HAS VERSION id [z185]**

DM39 PositAnyidTracesToReq..... ->

**DOMAIN: POSIT: ANYID id TRACES TO REQUIREMENT id [z214]**

DM40 PositAnyidTracesFrmReq..... ->

**DOMAIN: POSIT: ANYID id TRACES FROM REQUIREMENT id [z215]**

DM41 PositCategoryIncludesCategory. ->

**DOMAIN: POSIT: CATEGORY id INCLUDES CATEGORY id [z202]**

DM42 PositCategoryIsSet..... ->

**DOMAIN: POSIT: CATEGORY id IS SET id [z199]**

DM43 PositCategoryHasTaxon.... ->

**DOMAIN: POSIT: CATEGORY id HAS TAXON id [z196]**

DM44 PositConfigHasAggreg..... ->

**DOMAIN: POSIT: CONFIGURATION id HAS AGGREGATION id [z334]**

DM45 PositDefinitionHasText..... ->

**DOMAIN: POSIT: DEFINITION id HAS TEXT st [z208]**

DM46 PositDocumentHasConfig..... ->

**DOMAIN: POSIT: DOCUMENT id HAS CONFIGURATION id [z182]**

DM47 PositDomainHasDocument..... ->

**DOMAIN: POSIT: DOMAIN id HAS DOCUMENT id [z163]**

DM48 PositDomainHasGlossary..... ->

**DOMAIN: POSIT: DOMAIN id HAS GLOSSARY id [z161]**

DM49 PositDomainHasProduct..... ->

**DOMAIN: POSIT: DOMAIN id HAS PRODUCT id [z164]**

DM50 PositDomainHasRepresentation.. ->

**DOMAIN: POSIT: DOMAIN id HAS REPRESENTATION id [z162]**

DM51 PositDomainHasTaxonomy..... ->

**DOMAIN: POSIT: DOMAIN id HAS TAXONOMY id [z160]**

DM52 PositGlossaryHasConfig..... ->

**DOMAIN: POSIT: GLOSSARY id HAS CONFIGURATION id [z180]**

DM53 PositGlossaryHasDefinition.... ->

**DOMAIN: POSIT: GLOSSARY id HAS DEFINITION id [z206]**

DM54 PositIdentIsDefinition..... ->

**DOMAIN: POSIT: IDENTIFIER id IS DEFINITION [z207]**

DM55 PositProductHasConfig..... ->

**DOMAIN: POSIT: PRODUCT id HAS CONFIGURATION id [z183]**

DM56 PositRepresentationHasConfig.. ->

**DOMAIN: POSIT: REPRESENTATION id HAS CONFIGURATION id [z181]**

DM57 PositSpecificationHasConfig... ->

**DOMAIN: POSIT: SPECIFICATION id HAS CONFIGURATION id [z184]**

DM58 PositSpecificationHasReq..... ->

**DOMAIN: POSIT: SPECIFICATION id HAS REQUIREMENT id [z209]**

DM59 PositTaxonHasCharacteristic... ->

**DOMAIN: POSIT: TAXON id HAS CHARACTERISTIC id [z200]**

DM60 PositTaxonIsSet..... ->

**DOMAIN: POSIT: TAXON id IS SET id [z195]**

DM61 PositTaxonIncludesTaxon..... ->

**DOMAIN: POSIT: TAXON id INCLUDES TAXON id [z204]**

DM62 PositTaxonRelatesToTaxon..... ->

**DOMAIN: POSIT: TAXON id RELATES TO TAXON id [z205]**

DM63 PositTaxonomyHasCategory..... ->

**DOMAIN: POSIT: TAXONOMY id HAS CATEGORY id [z193]**

DM64 PositTaxonomyHasConfig..... ->

**DOMAIN: POSIT: TAXONOMY id HAS CONFIGURATION id [z179]**

DM65 PositTaxonomyHasTaxon..... ->

**DOMAIN: POSIT: TAXONOMY id HAS TAXON id [z194]**

IN1 DefDatumIsType..... ->

**INFORMATION: DEFINE: DATUM id IS TYPE id [z744]**

IN2 DefIdentifierIsInfopacket..... ->

**INFORMATION: DEFINE: IDENTIFIER id IS INFOPACKET id I[z538]**

IN3 DefIdentifierIsDatumOfType..... ->

**INFORMATION: DEFINE: IDENTIFIER id IS DATUM OF TYPE id [z742]**

IN4 DefIdentifierIsDatum..... ->

**INFORMATION: DEFINE: IDENTIFIER id IS DATUM I[z534]**

IN5 DefIdentifierIsInfopOfType..... ->

**INFORMATION: DEFINE: IDENTIFIER id IS INFOPACKET OF TYPE id [z741]**

IN6 DefInfopacketIsType..... ->

**INFORMATION: DEFINE: INFOPACKET id IS TYPE id [z743]**

IN7 IfEventSetBanToInsignia..... ->

**INFORMATION: IF EVENT id SET BANNER id TO INSIGNIA id [z529]**

IN8 IfEventChangeEntityToMode..... ->

**INFORMATION: IF EVENT id CHANGE ENTITY id TO MODE id [z528]**

IN9 IfEventAndEventThenEvent..... ->

**INFORMATION: IF EVENT id AND EVENT id THEN EVENT id [z524]**

IN10 IfEventOrNotEventThenEvent.... ->

**INFORMATION: IF EVENT id OR NOT EVENT id THEN EVENT id [z527]**

IN11 IfEventOrEventThenEvent..... ->

**INFORMATION: IF EVENT id OR EVENT id THEN EVENT id [z525]**

IN12 IfEventAndNotEventThenEvent... ->

**INFORMATION: IF EVENT id AND NOT EVENT id THEN EVENT id [z526]**

IN13 IfEventResetEventityAutonetic. ->

**INFORMATION: IF EVENT id RESET EVENTITY id AUTONETIC id [z533]**

IN14 IfEventResetEventityFlag..... ->

**INFORMATION: IF EVENT id RESET EVENTITY id FLAG id [z532]**

IN15 IfEventSetPetrinetToPlace..... ->

**INFORMATION: IF EVENT id SET PETRINET id TO PLACE id [z530]**

IN16 IfEventSetSvarToState..... ->

**INFORMATION: IF EVENT id SET STATEVAR id TO STATE id [z531]**

IN17 InqAttrValueIntoAttrForEntity. ->

**INFORMATION: INQUIRE ATTRIBUTE id VALUE INTO ATTRIBUTE id FOR ENTITY id [z543]**

IN18 InqAttrValueIntoAttrForObject. ->

**INFORMATION: INQUIRE ATTRIBUTE id VALUE INTO ATTRIBUTE id FOR OBJECT id [z544]**

IN19 InqAttrValueIntoAttr..... ->

**INFORMATION: INQUIRE ATTRIBUTE id VALUE INTO ATTRIBUTE id [z542]**

IN20 InqAttrGenChangeEvent..... ->

**INFORMATION: INQUIRE ATTRIBUTE id GENERATE CHANGE EVENT id [z539]**

IN21 InqDatumGenMovementEvent..... ->

**INFORMATION: INQUIRE DATUM id GENERATE MOVEMENT EVENT id [z540]**

IN22 InqDatumLocation..... ->

**INFORMATION: INQUIRE DATUM id LOCATION [z541]**

IN23 InqInfopacketGenMovementEvent. ->

**INFORMATION: INQUIRE INFOPACKET id GENERATE MOVEMENT EVENT id [z545]**

IN24 InqInfopacketLocation..... ->

**INFORMATION: INQUIRE INFOPACKET id LOCATION [z546]**

IN25 PositDatumHasValueExp..... ->

**INFORMATION: POSIT: DATUM id HAS VALUE EXPRESSION ex [z536]**

IN26 PositDatumIsInInfop..... ->

**INFORMATION: POSIT: DATUM id IS IN INFOPACKET id [z739]**

IN27 PositDatumHasInterval..... ->

**INFORMATION: POSIT: DATUM id HAS INTERVAL id [z535]**

IN28 PositInfopIsInCnctr..... ->

**INFORMATION: POSIT: INFOPACKET id IS IN CONNECTOR id [z696]**

IN29 PositInfopacketHasSeqdDatum... ->

**INFORMATION: POSIT: INFOPACKET id HAS SEQUENCED DATUM id [z537]**

IN30 PositInfopHasSizeExp..... ->

**INFORMATION: POSIT: INFOPACKET id HAS SIZE EXPRESSION ex [z740]**

IN31 ReadAttrFromInfopInCnctr.... ->

**INFORMATION: READ ATTRIBUTE id FROM INFOPACKET id IN CONNECTOR id [z738]**

IN32 ReadAttrFromInfopAtInterval.. ->

**INFORMATION: READ ATTRIBUTE id FROM INFOPACKET id AT INTERVAL id [z746]**

IN33 ReadInfopacketByAttr..... ->

**INFORMATION: READ INFOPACKET id BY ATTRIBUTE id [z520]**

IN34 SetAttrToDatumForEntity..... ->

**INFORMATION: SET ATTRIBUTE id TO DATUM id FOR ENTITY id [z521]**

IN35 SetAttrToDatumForObject..... ->

**INFORMATION: SET ATTRIBUTE id TO DATUM id FOR OBJECT id [z523]**

IN36 SetAttrToDatum..... ->

**INFORMATION: SET ATTRIBUTE id TO DATUM id [z522]**

IN37 ThreshExpGenHigherEventForAttr ->

**INFORMATION: THRESHOLD EXPRESSION ex GENERATE HIGHER EVENT id FOR ATTRIBUTE [z548]**

IN38 ThreshExpGenLowerEventForAttr. ->

**INFORMATION: THRESHOLD EXPRESSION ex GENERATE LOWER EVENT id FOR ATTRIBUTE [z547]**

IN39 WriteAttrInEntityToInfop..... ->

**INFORMATION: WRITE ATTRIBUTE id IN ENTITY id TO INFOPACKET id [z735]**

IN40 WriteAttrToInfopInCnctr..... ->

**INFORMATION: WRITE ATTRIBUTE id TO INFOPACKET id IN CONNECTOR id [z737]**

IN41 WriteAttrToInfop..... ->

**INFORMATION: WRITE ATTRIBUTE id TO INFOPACKET id [z736]**

IN42 WriteAttrInObjToInfop..... ->

**INFORMATION: WRITE ATTRIBUTE id IN OBJECT id TO INFOPACKET id [z734]**

IN43 WriteAttrToInfopAtInterval.... ->

**INFORMATION: WRITE ATTRUBUTE id TO INFOPACKET id AT INTERVAL id [z745]**

LS1 ChangeListBecomesSet..... ->

**LIST: CHANGE: LIST id BECOMES SET id [z26]**

LS2 DefIdentIsListWith{List}..... ->

**LIST: DEFINE IDENTIFIER id IS LIST id WITH { list } [z29]**

LS3 DefIdentIsList..... ->

**LIST: DEFINE: IDENTIFIER id IS LIST [z28]**

LS4 DefMasterlistContainsList..... ->

**LIST: DEFINE: MASTERLIST id CONTAINS LIST id [z30]**

LS5 EmptyList..... ->

**LIST: EMPTY LIST id [z15]**

LS6 ExcludeElmFrmList..... ->

**LIST: EXCLUDE ELEMENT id FROM LIST id [z14]**

LS7 FindIdentInListForAll..... ->

**LIST: FIND IDENTIFIER id IN LIST FOR ALL [z16]**

LS8 FindIdentInList..... ->

**LIST: FIND IDENTIFIER id IN LIST id [z17]**

LS9 InqHeadOfList..... ->

**LIST: INQUIRE HEAD OF LIST id [z18]**

LS10 InqMembershipOfList..... ->

**LIST: INQUIRE MEMBERSHIP OF LIST id [z19]**

LS11 InqPositionInList..... ->

**LIST: INQUIRE POSITION nm IN LIST id [z20]**

LS12 InqRestOfList..... ->

**LIST: INQUIRE REST OF LIST id [z21]**

LS13 InqSetInList..... ->

**LIST: INQUIRE SET IN LIST id [z22]**

LS14 InqTailOfList..... ->

**LIST: INQUIRE TAIL OF LIST id [z23]**

LS15 IsectListWithListIntoList..... ->

**LIST: INTERSECTION LIST id WITH LIST id INTO LIST id [z24]**

LS16 JamElmIntoList..... ->

**LIST: JAM ELEMENT id INTO LIST id [z25]**

LS17 NullList..... ->

**LIST: NULL LIST id [z31]**

LS18 PositListContains{List}..... ->

**LIST: POSIT: LIST id CONTAINS { list } [z27]**

LS19 PutElmAfterElmInList..... ->

**LIST: PUT ELEMENT id AFTER ELEMENT id IN LIST id [z32]**

LS20 PutElmBeforeElmInList..... ->

**LIST: PUT ELEMENT id BEFORE ELEMENT id IN LIST id [z33]**

LS21 PutElmAtHeadOfList..... ->



**LIST: PUT ELEMENT id AT HEAD OF LIST id [z34]**

LS22 PutElmAtPositionOfList..... ->

**LIST: PUT ELEMENT id AT POSITION nm OF LIST id [z35]**

LS23 PutElmAtTailOfList..... ->

**LIST: PUT ELEMENT id AT TAIL OF LIST id [z36]**

LS24 ReorderListFrmSeqToSeq..... ->

**LIST: REORDER LIST id FROM SEQUENCE sr TO SEQUENCE sr [z37]**

LS25 ReplaceElmWithElmInList..... ->

**LIST: REPLACE ELEMENT id WITH ELEMENT id IN LIST id [z38]**

LS26 UnionListWithListIntoList..... ->

**LIST: UNION LIST id WITH LIST id INTO LIST id [z39]**

MC1 DefIdentIsExecutive..... ->

**MACHINE: DEFINE: IDENTIFIER id IS EXECUTIVE id [z568]**

MC2 DefIdentIsFunction..... ->

**MACHINE: DEFINE: IDENTIFIER id IS FUNCTION id [z569]**

MC3 DefIdentIsAgent..... ->

**MACHINE: DEFINE: IDENTIFIER id IS AGENT [z550]**

MC4 DefIdentIsInstr..... ->

**MACHINE: DEFINE: IDENTIFIER id IS INSTRUCTION [z583]**

MC5 DefIdentIsInstrset..... ->

**MACHINE: DEFINE: IDENTIFIER id IS INSTRUCTIONSET [z581]**

MC6 DefIdentIsMachine..... ->

**MACHINE: DEFINE: IDENTIFIER id IS MACHINE [z586]**

MC7 DefIdentIsMapping..... ->

**MACHINE: DEFINE: IDENTIFIER id IS MAPPING [z590]**

MC8 DefIdentIsMessage..... ->

**MACHINE: DEFINE: IDENTIFIER id IS MESSAGE [z591]**

MC9 DefIdentIsOp..... ->

**MACHINE: DEFINE: IDENTIFIER id IS OPERATION [z599]**

MC10 DefIdentIsProcess..... ->

**MACHINE: DEFINE: IDENTIFIER id IS PROCESS [z600]**

MC11 DefIdentIsProcessor..... ->

**MACHINE: DEFINE: IDENTIFIER id IS PROCESSOR id [z603]**

MC12 DefIdentIsQueue..... ->

**MACHINE: DEFINE: IDENTIFIER id IS QUEUE [z609]**

MC13 DefIdentIsTask..... ->

**MACHINE: DEFINE: IDENTIFIER id IS TASK [z610]**

MC14 DefIdentIsThread..... ->

**MACHINE: DEFINE: IDENTIFIER id IS THREAD [z615]**

MC15 DefIdentIsTransform..... ->

**MACHINE: DEFINE: IDENTIFIER id IS TRANSFORM [z616]**

MC16 FiringInstrSetAmataStateActive ->

**MACHINE: FIRING INSTRUCTION id SET AUTOMATA id STATE id ACTIVE [z557]**

MC17 FiringInstrSetBanToInsignia... ->

**MACHINE: FIRING INSTRUCTION id SET BANNER id TO INSIGNIA id [z560]**

MC18 FiringInstrGenerateEvent..... ->

**MACHINE: FIRING INSTRUCTION id GENERATE EVENT id [z561]**

MC19 FiringInstrMarkPetriNetPlace.. ->

**MACHINE: FIRING INSTRUCTION id MARK PETRINET id PLACE id [z559]**

MC20 FiringInstrSetSvarToState..... ->

**MACHINE: FIRING INSTRUCTION id SET STATEVAR id TO STATE id [z558]**

MC21 InqInfopackNextDatum..... ->

**MACHINE: INQUIRE INFOPACK id NEXT DATUM [z571]**

MC22 InqQueueNextMessage..... ->

**MACHINE: INQUIRE QUEUE id NEXT MESSAGE [z593]**

MC23 InvokeObjectOpWithParameters.. ->

**MACHINE: INVOKE OBJECT id OPERATION id WITH PARAMETERS pr [z584]**

MC24 InvokeObjectOp..... ->

**MACHINE: INVOKE OBJECT id OPERATION id [z585]**

MC25 InvokeQueueNextMessage..... ->

**MACHINE: INVOKE QUEUE id NEXT MESSAGE [z594]**

MC26 MappingFunctionToTask..... ->

**MACHINE: MAPPING FUNCTION id TO TASK id [z555]**

MC27 MappingProcessToAgent..... ->

**MACHINE: MAPPING PROCESS id TO AGENT id [z554]**

MC28 MappingTransformToProcessor... ->

**MACHINE: MAPPING TRANSFORM id TO PROCESSOR id [z556]**

MC29 ModifyAttrWithObjectOp..... ->

**MACHINE: MODIFY ATTRIBUTE id WITH OBJECT id OPERATION id [z596]**

MC30 PositEventyHasExecutive..... ->

**MACHINE: POSIT: EVENTITY id HAS EXECUTIVE id [z566]**

MC31 PositEventyIsFunction..... ->

**MACHINE: POSIT: EVENTITY id IS FUNCTION id [z563]**

MC32 PositEventyIsTask..... ->

**MACHINE: POSIT: EVENTITY id IS TASK id [z565]**

MC33 PositExecutivelsPetrinet..... ->

**MACHINE: POSIT: EXECUTIVE id IS PETRINET id [z567]**

MC34 ExecutiveHasAmata..... ->

**MACHINE: POSIT: EXECUTIVE id HAS AUTOMATA id [z905]**

MC35 PositExecutiveHasTask..... ->

**MACHINE: POSIT: EXECUTIVE id HAS TASK id [z608]**

MC36 PositFunctionAccessesOp..... ->

**MACHINE: POSIT: FUNCTION id ACCESSES OPERATION id [z570]**

MC37 PositImplContainsInstr..... ->

**MACHINE: POSIT: IMPLEMENTATION id CONTAINS INSTRUCTION id [z574]**

MC38 PositImplContainsOp..... ->

**MACHINE: POSIT: IMPLEMENTATION id CONTAINS OPERATION id [z575]**

MC39 PositInstrIsAmataAction..... ->

**MACHINE: POSIT: INSTRUCTION id IS AUTOMATA id ACTION id [z572]**

MC40 PositInstrImplFunction.. ->

**MACHINE: POSIT: INSTRUCTION id IMPLEMENTS FUNCTION id [z573]**

MC41 PositInstrHasMachine..... ->

**MACHINE: POSIT: INSTRUCTION id HAS MACHINE id [z576]**

MC42 PositInstrIsOp..... ->

**MACHINE: POSIT: INSTRUCTION id IS OPERATION id [z578]**

MC43 PositInstrIsPetrinetTransit... ->

**MACHINE: POSIT: INSTRUCTION id IS PETRINET id TRANSIT id [z579]**

MC44 PositInstrIsWorker..... ->

**MACHINE: POSIT: INSTRUCTION id IS WORKER id [z580]**

MC45 PositInstrSendsMessage..... ->

**MACHINE: POSIT: INSTRUCTION id SENDS MESSAGE id [z911]**

MC46 PositInstrsetHasInstr..... ->

**MACHINE: POSIT: INSTRUCTIONSET id HAS INSTRUCTION id [z582]**

MC47 PositMachineHasAmata..... ->

**MACHINE: POSIT: MACHINE id HAS AUTOMATA id [z587]**

MC48 PositMachineIsInstr..... ->

**MACHINE: POSIT: MACHINE id IS INSTRUCTION id [z577]**

MC49 PositMachineHasInstrset..... ->

**MACHINE: POSIT: MACHINE id HAS INSTRUCTIONSET id [z588]**

MC50 PositMachineHasPetrinet..... ->

**MACHINE: POSIT: MACHINE id HAS PETRINET id [z589]**

MC51 PositMessageContainsOp..... ->

**MACHINE: POSIT: MESSAGE id CONTAINS OPERATION id [z908]**

MC52 PositMessageInvokesInstr..... ->

**MACHINE: POSIT: MESSAGE id INVOKES INSTRUCTION id [z910]**

MC53 PositMessageIsInfopacket..... ->

**MACHINE: POSIT: MESSAGE id IS INFOPACKET id [z592]**

MC54 PositObjectHasMessage..... ->

**MACHINE: POSIT: OBJECT id HAS MESSAGE id [z906]**

MC55 PositObjectHasOp..... ->

**MACHINE: POSIT: OBJECT id HAS OPERATION id [z595]**

MC56 PositOplsWorker..... ->

**MACHINE: POSIT: OPERATION id IS WORKER id [z598]**

MC57 PositProcessIncludesProcess... ->

**MACHINE: POSIT: PROCESS id INCLUDES PROCESS id [z601]**

MC58 PositProcessHasTransform..... ->

**MACHINE: POSIT: PROCESS id HAS TRANSFORM id [z602]**

MC59 PositProcessorHasExecutive.... ->

**MACHINE: POSIT: PROCESSOR id HAS EXECUTIVE id [z607]**

MC60 PositProcessorHasMemory..... ->

**MACHINE: POSIT: PROCESSOR id HAS MEMORY nm [z604]**

MC61 PositProcessorHasSpeed..... ->

**MACHINE: POSIT: PROCESSOR id HAS SPEED nm [z605]**

MC62 PositProcessorHasTask..... ->

**MACHINE: POSIT: PROCESSOR id HAS TASK id [z904]**

MC63 PositProcessorHasThroughput... ->

**MACHINE: POSIT: PROCESSOR id HAS THROUGHPUT nm [z606]**

MC64 PositQueueContainsMessage.... ->

**MACHINE: POSIT: QUEUE id CONTAINS MESSAGE id [z907]**

MC65 PositTaskHasMachine..... ->

**MACHINE: POSIT: TASK id HAS MACHINE id [z611]**

MC66 PositTaskAccessesOp..... ->

**MACHINE: POSIT: TASK id ACCESSES OPERATION id [z564]**

MC67 PositTaskHasPriority..... ->

**MACHINE: POSIT: TASK id HAS PRIORITY id [z612]**

MC68 PositTaskHasQueue..... ->

**MACHINE: POSIT: TASK id HAS QUEUE id [z613]**

MC69 PositTaskHasThread..... ->

**MACHINE: POSIT: TASK id HAS THREAD id [z614]**

MC70 PositTransformHasFunction..... ->

**MACHINE: POSIT: TRANSFORM id HAS FUNCTION id [z617]**

MC71 PositTransformImplFunction.... ->

**MACHINE: POSIT: TRANSFORM id IMPLEMENTS FUNCTION id [z909]**

M72 PositWorkerImplFunction. ->

**MACHINE: POSIT: WORKER id IMPLEMENTS FUNCTION id [z907]**

MC73 ReadAttrWithObjectOp..... ->

**MACHINE: READ ATTRIBUTE id WITH OBJECT id OPERATION id [z597]**

MC74 SetDatumValueByInstr..... ->

**MACHINE: SET DATUM id VALUE BY INSTRUCTION id [z562]**

MC75 PositAgentIncludesAgent..... ->

**MACHINE: POSIT: AGENT id INCLUDES AGENT id [z551]**

MC76 PositAgentHasProcessorOnPlat.. ->

**MACHINE: POSIT: AGENT id HAS PROCESSOR id ON PLATFORM id [z553]**

MC77 PositAgentHasProcessor..... ->

**MACHINE: POSIT: AGENT id HAS PROCESSOR id [z552]**

PR1 CnectDflowFromDstoreToProcess. ->

**PROCESS: CONNECT DATAFLOW id FROM DATASTORE id TO PROCESS id [z618]**

PR2 CnectDflowFromExtToProcess.... ->

**PROCESS: CONNECT DATAFLOW id FROM EXTERNAL id TO PROCESS id [z619]**

PR3 CnectDflowFromProcessToDstore. ->

**PROCESS: CONNECT DATAFLOW id FROM PROCESS id TO DATASTORE id [z620]**

PR4 CnectDflowFromProcessToExt.... ->

**PROCESS: CONNECT DATAFLOW id FROM PROCESS id TO EXTERNAL id [z621]**

PR5 CnectDflowFromProcessToProcess ->

**PROCESS: CONNECT DATAFLOW id FROM PROCESS id TO PROCESS id [z622]**

PR6 DefldentIsActivator..... ->

**PROCESS: DEFINE: IDENTIFIER id IS ACTIVATOR [z623]**

PR7 DefldentIsCflow..... ->

**PROCESS: DEFINE: IDENTIFIER id IS CONTROLFLOW [z624]**

PR8 DefldentIsControlspec..... ->

**PROCESS: DEFINE: IDENTIFIER id IS CONTROLSPEC [z625]**

PR9 DefldentIsDflow..... ->

**PROCESS: DEFINE: IDENTIFIER id IS DATAFLOW [z626]**

PR10 DefldentIsDstore..... ->

**PROCESS: DEFINE: IDENTIFIER id IS DATASTORE [z627]**

PR11 DefldentIsDtab..... ->

**PROCESS: DEFINE: IDENTIFIER id IS DECISIONTABLE id [z628]**

PR12 DefldentIsExt..... ->

**PROCESS: DEFINE: IDENTIFIER id IS EXTERNAL [z629]**

PR13 PositActivatorActivatesProcess ->

**PROCESS: POSIT: ACTIVATOR id ACTIVATES PROCESS id P[z631]**

PR14 PositActivatorDactsProcess.... ->

**PROCESS: POSIT: ACTIVATOR id DEACTIVATES PROCESS id [z632]**

PR15 PositAmataDrivesActivator..... ->

**PROCESS: POSIT: AUTOMATA id DRIVES ACTIVATOR id [z633]**

PR16 PositContextHasProcess..... ->

**PROCESS: POSIT: CONTEXT id HAS PROCESS id [z634]**

PR17 PositCflowLeadsToControlspec.. ->

**PROCESS: POSIT: CONTROLFLOW id LEADS TO CONTROLSPEC id [z635]**

PR18 PositCflowIsEvent..... ->

**PROCESS: POSIT: CONTROLFLOW id IS EVENT id [z636]**

PR19 PositCflowAttachedToProcess... ->

**PROCESS: POSIT: CONTROLFLOW id ATTACHED TO PROCESS id [z637]**

PR20 PositControlspecHasActivator.. ->

**PROCESS: POSIT: CONTROLSPEC id HAS ACTIVATOR id [z638]**

PR21 PositControlspecHasAmata..... ->

**PROCESS: POSIT: CONTROLSPEC id HAS AUTOMATA id [z639]**

PR22 PositControlspecHasDtab..... ->

**PROCESS: POSIT: CONTROLSPEC id HAS DECISIONTABLE id [z640]**

PR23 PositControlspecHasPetrinet... ->

**PROCESS: POSIT: CONTROLSPEC id HAS PETRINET id [z641]**

PR24 PositDflowIncludesDflow..... ->

**PROCESS: POSIT: DATAFLOW id INCLUDES DATAFLOW id [z642]**

PR25 PositDstoreIncludesObject..... ->

**PROCESS: POSIT: DATASTORE id INCLUDES OBJECT id [z643]**

PR26 PositDtabDrivesAmata..... ->

**PROCESS: POSIT: DECISIONTABLE id DRIVES AUTOMATA id [z644]**

PR27 PositDtabIncludesDecision..... ->

**PROCESS: POSIT: DECISIONTABLE id INCLUDES DECISION id [z645]**

PR28 PositPetrinetDrivesActivator.. ->

**PROCESS: POSIT: PETRINET id DRIVES ACTIVATOR id [z646]**

PR29 PositProcessOriginatesCflow... ->

**PROCESS: POSIT: PROCESS id ORIGINATES CONTROLFLOW id [z647]**

PR30 PositProcessReceivesCflow..... ->

**PROCESS: POSIT: PROCESS id RECEIVES CONTROLFLOW id [z648]**

PR31 PositProcessIncludesProcess... ->

**PROCESS: POSIT: PROCESS id INCLUDES PROCESS id [z649]**

PT1 CnectDecToPlace..... ->

**PETRINET: CONNECT DECISION id TO PLACE id [z341]**

PT2 CnectTransitFromDecToDec..... ->

**PETRINET: CONNECT TRANSIT id FROM DECISION id TO DECISION id [z347]**

PT3 CnectTransitFromDecToPlace.... ->



**PETRINET: CONNECT TRANSIT id FROM DECISION id TO PLACE id [z348]**

PT4 CnectTransitToDec..... ->

**PETRINET: CONNECT TRANSIT id TO DECISION id [z365]**

PT5 CnectTransitFromPlaceToDec.... ->

**PETRINET: CONNECT TRANSIT id FROM PLACE id TO DECISION id [z349]**

PT6 CnectTransitFromPlaceToEntry.. ->

**PETRINET: CONNECT TRANSIT id FROM PLACE id TO ENTRY id [z913]**

PT7 CnectTransitFromPlaceToExit... ->

**PETRINET: CONNECT TRANSIT id FROM PLACE id TO EXIT id [z350]**

PT8 CnectTransitFromPlaceToPlace.. ->

**PETRINET: CONNECT TRANSIT id FROM PLACE id TO PLACE id [z351]**

PT9 DefldentlsDec..... ->

**PETRINET: DEFINE: IDENTIFIER id IS DECISION id [z352]**

PT10 DefldentlsEntry..... ->

**PETRINET: DEFINE: IDENTIFIER id IS ENTRY [z912]**

PT11 DefldentlsExit..... ->

**PETRINET: DEFINE: IDENTIFIER id IS EXIT [z356]**

PT12 DefldentlsInsignia..... ->

**PETRINET: DEFINE: IDENTIFIER id IS INSIGNIA [z357]**

PT13 DefldentlsPetrinet..... ->

**PETRINET: DEFINE: IDENTIFIER id IS PETRINET [z363]**

PT14 DefldentlsPlace..... ->

**PETRINET: DEFINE: IDENTIFIER id IS PLACE [z364]**

PT15 DefldentlsTransit..... ->

**PETRINET: DEFINE: IDENTIFIER id IS TRANSIT [z369]**

PT16 DefldnetifierlsBan..... ->

**PETRINET: DEFINE: IDNETIFIER id IS BANNER [z342]**

PT17 IfDeclsInsigniaThenPlaceNext.. ->

**PETRINET: IF DECISION id IS INSIGNIA id THEN PLACE id NEXT [z353]**

PT18 AssertPlacelsMarked..... ->

**PETRINET: ASSERT: PLACE id IS MARKED [z358]**

PT19 AssertPlacelsUnmarked..... ->

**PETRINET: ASSERT: PLACE id IS UNMARKED [z359]**

PT20 PositPlacelsEntry..... ->

**PETRINET: POSIT: PLACE id IS ENTRY [z354]**

PT21 PositBanHasInsignia..... ->

**PETRINET: POSIT: BANNER id HAS INSIGNIA id [z343]**

PT22 PositPetrinetHasDec..... ->

**PETRINET: POSIT: PETRINET id HAS DECISION id [z360]**

PT23 PositPetrinetHasPlace..... ->

**PETRINET: POSIT: PETRINET id HAS PLACE id [z361]**

PT24 PositPetrinetHasSubnet..... ->

**PETRINET: POSIT: PETRINET id HAS SUBNET id [z345]**

PT25 PositPetrinetHasTransit..... ->

**PETRINET: POSIT: PETRINET id HAS TRANSIT id [z362]**

PT26 PositTransitSetsBanToInsignia. ->

**PETRINET: POSIT: TRANSIT id SETS BANNER id TO INSIGNIA id [z368]**

PT27 PositTransitIsWorker..... ->

**PETRINET: POSIT: TRANSIT id IS WORKER id [z355]**

PT28 ReenterPlaceOnExit..... ->

**PETRINET: REENTER PLACE id ON EXIT id [z366]**

PT29 RunPetrinet..... ->

**PETRINET: RUN PETRINET id [z367]**

PT30 SetBanToInsignia..... ->

**PETRINET: SET BANNER id TO INSIGNIA id [z344]**

PT31 TakeExitToPlaceEntry..... ->

**PETRINET: TAKE EXIT id TO PLACE id ENTRY [z346]**

SI1 AssignAttrValueOfExpForEntity. ->

**SITUATION: ASSIGN ATTRIBUTE id VALUE OF EXPRESSION ex FOR ENTITY id [z428]**

SI2 AssignRplValueOfExpForInstRpl. ->

**SITUATION: ASSIGN REPLICA id VALUE OF EXPRESSION ex FOR INSTANCE id [z432]**

SI3 DefAttrHasRplInEntity..... ->

**SITUATION: DEFINE: ATTRIBUTE id HAS REPLICA id IN ENTITY id [z434]**

SI4 DefAttrIsType..... ->

**SITUATION: DEFINE: ATTRIBUTE id IS TYPE id [z408]**

SI5 DefIdentIsAssembly..... ->

**SITUATION: DEFINE: IDENTIFIER id IS ASSEMBLY [z405]**

SI6 DefIdentIsAttr..... ->

**SITUATION: DEFINE: IDENTIFIER id IS ATTRIBUTE [z409]**

SI7 DefIdentIsBag..... ->

**SITUATION: DEFINE: IDENTIFIER id IS BAG [z926]**

SI8 DefIdentIsBehavior..... ->

**SITUATION: DEFINE: IDENTIFIER id IS BEHAVIOR [z411]**

SI9 DefIdentIsConstellation..... ->

**SITUATION: DEFINE: IDENTIFIER id IS CONSTELLATION [z924]**

SI10 DefIdentIsClass..... ->

**SITUATION: DEFINE: IDENTIFIER id IS CLASS [z413]**

SI11 DefIdentIsEntity..... ->

**SITUATION: DEFINE: IDENTIFIER id IS ENTITY [z425]**

SI12 DefIdentIsEq..... ->

**SITUATION: DEFINE: IDENTIFIER id IS EQUATION id [z427]**

SI13 DefIdentIsFace..... ->

**SITUATION: DEFINE: IDENTIFIER id IS FACE [z429]**

SI14 DefIdentIsInst..... ->

**SITUATION: DEFINE: IDENTIFIER id IS INSTANCE [z431]**

SI15 DefIdentIsObject..... ->

**SITUATION: DEFINE: IDENTIFIER id IS OBJECT [z435]**

SI16 DefIdentIsPart..... ->

**SITUATION: DEFINE: IDENTIFIER id IS PART [z438]**

SI17 DefIdentIsRel..... ->

**SITUATION: DEFINE: IDENTIFIER id IS RELATION [z440]**

SI18 DefIdentIsRpl..... ->

**SITUATION: DEFINE: IDENTIFIER id IS REPLICA [z433]**

SI19 DefIdentIsSite..... ->

**SITUATION: DEFINE: IDENTIFIER id IS SITE [z459]**

SI20 DefIdentIsSituation..... ->

**SITUATION: DEFINE: IDENTIFIER id IS SITUATION [z922]**

SI21 DefIdentIsSlot..... ->

**SITUATION: DEFINE: IDENTIFIER id IS SLOT [z456]**

SI22 PositAssemblyHasAmata..... ->

**SITUATION: POSIT: ASSEMBLY id HAS AUTOMATA id [z404]**

SI23 PositAssemblyHasPart..... ->

**SITUATION: POSIT: ASSEMBLY id HAS PART id [z403]**

SI24 PositAssemblyHasPetrinet..... ->

**SITUATION: POSIT: ASSEMBLY id HAS PETRINET id [z406]**

SI25 PositBagHasEntity..... ->

**SITUATION: POSIT: BAG id HAS ENTITY id [z927]**

SI26 PositBehaviorHasAmata..... ->

**SITUATION: POSIT: BEHAVIOR id HAS AUTOMATA id [z410]**

SI27 PositBehaviorHasPetrinet..... ->

**SITUATION: POSIT: BEHAVIOR id HAS PETRINET id [z412]**

SI28 PositConstellationHasBag..... ->

**SITUATION: POSIT: CONSTELLATION id HAS BAG id [z925]**

SI29 PositEntityHasAssembly..... ->

**SITUATION: POSIT: ENTITY id HAS ASSEMBLY id [z414]**

SI30 PositEntityHasAttr..... ->

**SITUATION: POSIT: ENTITY id HAS ATTRIBUTE id [z415]**

SI31 PositEntityHasBehavior..... ->

**SITUATION: POSIT: ENTITY id HAS BEHAVIOR id [z416]**

SI32 PositEntityIsOfClass..... ->

**SITUATION: POSIT: ENTITY id IS OF CLASS id [z417]**

SI33 PositEntityHasFace..... ->

**SITUATION: POSIT: ENTITY id HAS FACE id [z418]**

SI34 PositEntityHasInst..... ->

**SITUATION: POSIT: ENTITY id HAS INSTANCE id [z420]**

SI35 PositEntityHasMode..... ->

**SITUATION: POSIT: ENTITY id HAS MODE id [z426]**

SI36 PositEntityHasNmbrInsts..... ->

**SITUATION: POSIT: ENTITY id HAS NUMBER nm INSTANCES [z419]**

SI37 PositEntityHasObject..... ->

**SITUATION: POSIT: ENTITY id HAS OBJECT id [z421]**

SI38 PositEntityHasSlot..... ->

**SITUATION: POSIT: ENTITY id HAS SLOT id [z423]**

SI39 PositEqIsExp..... ->

**SITUATION: POSIT: EQUATION id IS EXPRESSION ex [z458]**

SI40 PositFaceHasAttr..... ->

**SITUATION: POSIT: FACE id HAS ATTRIBUTE id [z430]**

SI41 PositInstHasNmbrForEntity..... ->

**SITUATION: POSIT: INSTANCE id HAS NUMBER nm FOR ENTITY id [z407]**

SI42 PositObjectHasAttrInPosition.. ->

**SITUATION: POSIT: OBJECT id HAS ATTRIBUTE id IN POSITION nm [z436]**

SI43 PositObjectHasAttr..... ->

**SITUATION: POSIT: OBJECT id HAS ATTRIBUTE id [z437]**

SI44 PositPartIsEntity..... ->

**SITUATION: POSIT: PART id IS ENTITY id [z439]**

SI45 PositRelFromAnyidToAnyid..... ->

**SITUATION: POSIT: RELATION id FROM ANYID id TO ANYID id [z449]**

SI46 PositRelFromAssemblyToBehavior ->

**SITUATION: POSIT: RELATION id FROM ASSEMBLY id TO BEHAVIOR id [z446]**

SI47 PositRelFromAssemblyToPart.... ->

**SITUATION: POSIT: RELATION id FROM ASSEMBLY id TO PART id [z447]**

SI48 PositRelHasAttr..... ->

**SITUATION: POSIT: RELATION id HAS ATTRIBUTE id [z441]**

SI49 PositRelFromEntityToAssembly.. ->

**SITUATION: POSIT: RELATION id FROM ENTITY id TO ASSEMBLY id [z450]**

SI50 PositRelFromEntityToBehavior.. ->

**SITUATION: POSIT: RELATION id FROM ENTITY id TO BEHAVIOR id [z451]**

SI51 PositRelFromEntityToEntity.... ->

**SITUATION: POSIT: RELATION id FROM ENTITY id TO ENTITY id [z422]**

SI52 PositRelFromEntityToFace..... ->

**SITUATION: POSIT: RELATION id FROM ENTITY id TO FACE id [z452]**

SI53 PositRelFromEntityToObject.... ->

**SITUATION: POSIT: RELATION id FROM ENTITY id TO OBJECT id [z444]**

SI54 PositRelFromInstToFace..... ->

**SITUATION: POSIT: RELATION id FROM INSTANCE id TO FACE id [z454]**

SI55 PositRelFromObjectToObject.... ->

**SITUATION: POSIT: RELATION id FROM OBJECT id TO OBJECT id [z443]**

SI56 PositRelFromPartToFace..... ->

**SITUATION: POSIT: RELATION id FROM PART id TO FACE id [z453]**

SI57 PositRelFromPartToInst..... ->

**SITUATION: POSIT: RELATION id FROM PART id TO INSTANCE id [z448]**

SI58 PositRelFromPartToPart..... ->

**SITUATION: POSIT: RELATION id FROM PART id TO PART id [z445]**

SI59 PositSiteIssect..... ->

**SITUATION: POSIT: SITE id IS INTERSECTION id [z466]**

SI60 PositSituationHasConstellation ->

**SITUATION: POSIT: SITUATION id HAS CONSTELLATION id [z923]**

SI61 PositSlotEqualsEqForEntity.... ->

**SITUATION: POSIT: SLOT id EQUALSEQUATION st FOR ENTITY id [z424]**

SI62 PositSlotHasEq..... ->

**SITUATION: POSIT: SLOT id HAS EQUATION id [z457]**

SI63 PositSiteHasEntity..... ->

**SITUATION: POSIT: SITE id HAS ENTITY id [z460]**

SI64 SelectEntityInstNmbr..... ->

**SITUATION: SELECT ENTITY id INSTANCE NUMBER nm [z455]**

ST1 ChangeSetBecomesList..... ->

**SET: CHANGE: SET id BECOMES LIST id [z10]**

ST2 BagSet..... ->

**SET: BAG SET id [z921]**

ST3 DefIdentIsElm..... ->

**SET: DEFINE: IDENTIFIER id IS ELEMENT [z1]**

ST4 DefIdentIsSet..... ->

**SET: DEFINE: IDENTIFIER id IS SET [z12]**

ST5 DefMasterSetContainsSet..... ->

**SET: DEFINE: MASTERSET id CONTAINS SET id [z8]**

ST6 EmptySet..... ->

**SET: EMPTY SET id [z3]**

ST7 ExcludeElmFrmSet..... ->

**SET: EXCLUDE ELEMENT id FROM SET id [z4]**

ST8 InqMembershipOfSet..... ->

**SET: INQUIRE MEMBERSHIP OF SET id [z6]**

ST9 InqPowersetOfSet..... ->

**SET: INQUIRE POWERSSET OF SET id [z5]**

ST10 IsectSetWithSetIntoSet..... ->

**SET: INTERSECTION SET id WITH SET id INTO SET id [z7]**

ST11 NullSet..... ->

**SET: NULL SET id [z9]**

ST12 PositElmBelongsToSet..... ->

**SET: POSIT: ELEMENT id BELONGS TO SET id [z2]**

ST13 PositSetContains{Set}..... ->

**SET: POSIT: SET id CONTAINS { set } [z11]**

ST14 UnionSetWithSetIntoSet..... ->

**SET: UNION SET id WITH SET id INTO SET id [z13]**

SY1 DefEnvironIsType..... ->

**SYSTEM: DEFINE: ENVIRONMENT id IS TYPE id [z224]**

SY2 DefIdentIsBackplane..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS BACKPLANE [z239]**

SY3 DefIdentIsEnvironOfType..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS ENVIRONMENT OF TYPE id [z223]**

SY4 DefIdentIsEnviron..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS ENVIRONMENT [z222]**

SY5 DefIdentIsGrid..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS GRID [z287]**

SY6 DefIdentIsHeir..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS HIERARCHY id [z260]**

SY7 DefIdentIsInfraOfType..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS INFRASTRUCTURE OF TYPE id [z229]**

SY8 DefIdentIsInfra..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS INFRASTRUCTURE [z228]**

SY9 DefIdentIsInteg..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS INTEGRATOR [z238]**

SY10 DefIdentIsLevel..... ->



**SYSTEM: DEFINE: IDENTIFIER id IS LEVEL [z262]**

SY11 DefIdentIsMetasystemOfType.... ->

**SYSTEM: DEFINE: IDENTIFIER id IS METASYSTEM OF TYPE id [z220]**

SY12 DefIdentIsMetasystem..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS METASYSTEM [z219]**

SY13 DefIdentIsPlat..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS PLATFORM [z237]**

SY14 DefIdentIsSystemOfType..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS SYSTEM OF TYPE id [z217]**

SY15 DefIdentIsSystem..... ->

**SYSTEM: DEFINE: IDENTIFIER id IS SYSTEM [z216]**

SY16 DefInfraIsType..... ->

**SYSTEM: DEFINE: INFRASTRUCTURE id IS TYPE id [z230]**

SY17 DefMetasystemIsType..... ->

**SYSTEM: DEFINE: METASYSTEM id IS TYPE id [z221]**

SY18 DefSystemIsType..... ->

**SYSTEM: DEFINE: SYSTEM id IS TYPE id [z218]**

SY19 PositApplHasArch..... ->

**SYSTEM: POSIT: APPLICATION id HAS ARCHITECTURE id [z245]**

SY20 PositApplPlugsIntoBackplane... ->

**SYSTEM: POSIT: APPLICATION id PLUGS INTO BACKPLANE id [z323]**

SY21 PositApplEmbodiesDomain..... ->

**SYSTEM: POSIT: APPLICATION id EMBODIES DOMAIN id [z272]**

SY22 PositApplHasHeir..... ->

**SYSTEM: POSIT: APPLICATION id HAS HIERARCHY id [z254]**

SY23 PositApplHasImpl..... ->

**SYSTEM: POSIT: APPLICATION id HAS IMPLEMENTATION id [z241]**

SY24 PositApplUsesService..... ->

**SYSTEM: POSIT: APPLICATION id USES SERVICE id [z240]**

SY25 PositBackplaneHasArch..... ->

**SYSTEM: POSIT: BACKPLANE id HAS ARCHITECTURE id [z248]**

SY26 PositBackplaneEmbodiesDomain.. ->

**SYSTEM: POSIT: BACKPLANE id EMBODIES DOMAIN id [z276]**

SY27 PositBackplaneHasHeir..... ->

**SYSTEM: POSIT: BACKPLANE id HAS HIERARCHY id [z258]**

SY28 PositBackplaneHasImpl..... ->

**SYSTEM: POSIT: BACKPLANE id HAS IMPLEMENTATION id [z244]**

SY29 PositEnvironEmbodiesDomain.... ->

**SYSTEM: POSIT: ENVIRONMENT id EMBODIES DOMAIN id [z271]**

SY30 PositEnvironHasExternal..... ->

**SYSTEM: POSIT: ENVIRONMENT id HAS EXTERNAL id [z324]**

SY31 PositEnvironHasHeir..... ->

**SYSTEM: POSIT: ENVIRONMENT id HAS HIERARCHY id [z253]**

SY32 PositEnvironImpingesOnSystem.. ->

**SYSTEM: POSIT: ENVIRONMENT id IMPINGES ON SYSTEM id [z325]**

SY33 PositGridHasLayer..... ->

**SYSTEM: POSIT: GRID id HAS LAYER id [z288]**

SY34 PositGridHasPartit..... ->

**SYSTEM: POSIT: GRID id HAS PARTITION id [z289]**

SY35 PositGridHasStrata..... ->

**SYSTEM: POSIT: GRID id HAS STRATA id [z290]**

SY36 PositGridHasTier..... ->

**SYSTEM: POSIT: GRID id HAS TIER id [z291]**

SY37 PositHeirContainsLevel..... ->

**SYSTEM: POSIT: HIERARCHY id CONTAINS LEVEL id [z261]**

SY38 PositImplEmbodiesDomain..... ->

**SYSTEM: POSIT: IMPLEMENTATION id EMBODIES DOMAIN id [z274]**

SY39 PositImplHasHeir..... ->

**SYSTEM: POSIT: IMPLEMENTATION id HAS HIERARCHY id [z256]**

SY40 PositImplRunsOnPlat..... ->

**SYSTEM: POSIT: IMPLEMENTATION id RUNS ON PLATFORM id [z249]**

SY41 PositInfraHasAppl..... ->

**SYSTEM: POSIT: INFRASTRUCTURE id HAS APPLICATION id [z231]**

SY42 PositInfraHasBackplane..... ->

**SYSTEM: POSIT: INFRASTRUCTURE id HAS BACKPLANE id [z236]**

SY43 PositInfraEmbodiesDomain..... ->

**SYSTEM: POSIT: INFRASTRUCTURE id EMBODIES DOMAIN id [z268]**

SY44 PositInfraHasHeir..... ->

**SYSTEM: POSIT: INFRASTRUCTURE id HAS HIERARCHY id [z250]**

SY45 PositInfraHasImpl..... ->

**SYSTEM: POSIT: INFRASTRUCTURE id HAS IMPLEMENTATION id [z233]**

SY46 PositInfraHasInteg..... ->

**SYSTEM: POSIT: INFRASTRUCTURE id HAS INTEGRATOR id [z235]**

SY47 PositInfraHasPlat..... ->

**SYSTEM: POSIT: INFRASTRUCTURE id HAS PLATFORM id [z234]**

SY48 PositInfraHasService..... ->

**SYSTEM: POSIT: INFRASTRUCTURE id HAS SERVICE id [z232]**

SY49 PositIntegHasArch..... ->

**SYSTEM: POSIT: INTEGRATOR id HAS ARCHITECTURE id [z247]**

SY50 PositIntegHasImpl..... ->

**SYSTEM: POSIT: INTEGRATOR id HAS IMPLEMENTATION id [z243]**

SY51 PositIntegPlugsIntoBackplane.. ->

**SYSTEM: POSIT: INTEGRATOR id PLUGS INTO BACKPLANE id [z339]**

SY52 PositIntegEmbodiesDomain..... ->

**SYSTEM: POSIT: INTEGRATOR id EMBODIES DOMAIN id [z277]**

SY53 PositIntegHasHeir..... ->

**SYSTEM: POSIT: INTEGRATOR id HAS HIERARCHY id [z259]**

SY54 PositLevelRelatesToGrid..... ->

**SYSTEM: POSIT: LEVEL id RELATES TO GRID id [z278]**

SY55 PositLevelContigToLayerInGrid. ->

**SYSTEM: POSIT: LEVEL id CONTIGUOUS TO LAYER id IN GRID id [z279]**

SY56 PositLevelRelatesToLevelInHeir ->

**SYSTEM: POSIT: LEVEL id RELATES TO LEVEL id IN HIERARCHY id [z267]**

SY57 PositLevelContigToLevelInHeir. ->

**SYSTEM: POSIT: LEVEL id CONTIGUOUS TO LEVEL id IN HIERARCHY id [z266]**

SY58 PositLevellsAdjLevel..... ->

**SYSTEM: POSIT: LEVEL id IS ADJACENT LEVEL id [z265]**

SY59 PositLevellsOn\_TopLevel..... ->

**SYSTEM: POSIT: LEVEL id IS ON\_TOP LEVEL id [z263]**

SY60 PositLevellsOn\_BottomLevel.... ->

**SYSTEM: POSIT: LEVEL id IS ON\_BOTTOM LEVEL id [z264]**

SY61 PositLevelContigToPartitInGrid ->

**SYSTEM: POSIT: LEVEL id CONTIGUOUS TO PARTITION id IN GRID id [z280]**

SY62 PositLevelContigToStrataInGrid ->

**SYSTEM: POSIT: LEVEL id CONTIGUOUS TO STRATA id IN GRID id [z281]**

SY63 PositLevelContigToTierInGrid.. ->

**SYSTEM: POSIT: LEVEL id CONTIGUOUS TO TIER id IN GRID id [z282]**

SY64 PositMetasystemHasConfig..... ->

**SYSTEM: POSIT: METASYSTEM id HAS CONFIGURATION id [z284]**

SY65 PositMetasystemEmbodiesDomain. ->

**SYSTEM: POSIT: METASYSTEM id EMBODIES DOMAIN id [z269]**

SY66 PositMetasystemContainsEnviron ->

**SYSTEM: POSIT: METASYSTEM id CONTAINS ENVIRONMENT id [z226]**

SY67 PositMetasystemHasGrid..... ->

**SYSTEM: POSIT: METASYSTEM id HAS GRID id [z286]**

SY68 PositMetasystemHasHeir..... ->

**SYSTEM: POSIT: METASYSTEM id HAS HIERARCHY id [z251]**

SY69 PositMetasystemContainsSystem. ->

**SYSTEM: POSIT: METASYSTEM id CONTAINS SYSTEM id [z225]**

SY70 PositPlatEmbodiesDomain..... ->

**SYSTEM: POSIT: PLATFORM id EMBODIES DOMAIN id [z275]**

SY71 PositPlatHasHeir..... ->

**SYSTEM: POSIT: PLATFORM id HAS HIERARCHY id [z257]**

SY72 PositServiceHasArch..... ->

**SYSTEM: POSIT: SERVICE id HAS ARCHITECTURE id [z246]**

SY73 PositServicePlugsIntoBackplane ->

**SYSTEM: POSIT: SERVICE id PLUGS INTO BACKPLANE id [z337]**

SY74 PositServiceEmbodiesDomain.... ->

**SYSTEM: POSIT: SERVICE id EMBODIES DOMAIN id [z273]**

SY75 PositServiceHasHeir..... ->

**SYSTEM: POSIT: SERVICE id HAS HIERARCHY id [z255]**

SY76 PositServiceHasImpl..... ->

**SYSTEM: POSIT: SERVICE id HAS IMPLEMENTATION id [z242]**

SY77 PositServiceUsesInteg..... ->

**SYSTEM: POSIT: SERVICE id USES INTEGRATOR id [z338]**

SY78 PositSystemHasConfig..... ->

**SYSTEM: POSIT: SYSTEM id HAS CONFIGURATION id [z283]**

SY79 PositSystemEmbodiesDomain..... ->

**SYSTEM: POSIT: SYSTEM id EMBODIES DOMAIN id [z270]**

SY80 PositSystemHasGrid..... ->

**SYSTEM: POSIT: SYSTEM id HAS GRID id [z285]**

SY81 PositSystemHasHeir..... ->

**SYSTEM: POSIT: SYSTEM id HAS HIERARCHY id [z252]**

SY82 PositSystemHasInfra..... ->

**SYSTEM: POSIT: SYSTEM id HAS INFRASTRUCTURE id [z227]**

SY83 PositSystemIsMetasystem..... ->

**SYSTEM: POSIT: SYSTEM id IS METASYSTEM id [z327]**

SY84 PositSystemContainsSystem..... ->

**SYSTEM: POSIT: SYSTEM id CONTAINS SYSTEM id [z326]**

TM1 AttachAtribOfEntityToSignal... ->

**TEMPORALITY: ATTACH ATTRIBUTE id OF ENTITY id TO SIGNAL id [z393]**

TM2 DefIdentiferIsSignal..... ->

**TEMPORALITY: DEFINE: IDENTIFER id IS SIGNAL [z391]**

TM3 DefIdentIsBranch..... ->

**TEMPORALITY: DEFINE: IDENTIFIER id IS BRANCH [z370]**

TM4 DefIdentIsBundle..... ->

**TEMPORALITY: DEFINE: IDENTIFIER id IS BUNDLE [z371]**

TM5 DefIdentIsEvent..... ->

**TEMPORALITY: DEFINE: IDENTIFIER id IS EVENT [z383]**

TM6 DefIdentIsInterval..... ->

**TEMPORALITY: DEFINE: IDENTIFIER id IS INTERVAL [z387]**

TM7 DefIdentIsLcyc..... ->

**TEMPORALITY: DEFINE: IDENTIFIER id IS LIFECYCLE id [z461]**

TM8 DefIdentIsSheaf..... ->

**TEMPORALITY: DEFINE: IDENTIFIER id IS SHEAF [z389]**

TM9 DefIdentIsTemporality..... ->

**TEMPORALITY: DEFINE: IDENTIFIER id IS TEMPORALITY [z395]**

TM10 DefIdentIsTimepoint..... ->

**TEMPORALITY: DEFINE: IDENTIFIER id IS TIMEPOINT [z914]**

TM11 DefIdentIsTimespan..... ->

**TEMPORALITY: DEFINE: IDENTIFIER id IS TIMESPAN [z915]**

TM12 DefIntervalDurFromTptToTpt.... ->

**TEMPORALITY: DEFINE: INTERVAL id DURATION FROM TIMEPOINT tp TO TIMEPOINT id [z385]**

TM13 DefIntervalDurFromTptForTspan. ->

**TEMPORALITY: DEFINE: INTERVAL id DURATION FROM TIMEPOINT tp FOR TIMESPAN ts [z396]**

TM14 DefIntervalEndsTpt..... ->

**TEMPORALITY: DEFINE: INTERVAL id ENDS TIMEPOINT tp [z386]**

TM15 DefIntervalEndsAtTpt..... ->

**TEMPORALITY: DEFINE: INTERVAL id ENDS AT TIMEPOINT tp [z400]**

TM16 DefIntervalEnclosesTpt..... ->

**TEMPORALITY: DEFINE: INTERVAL id ENCLOSSES TIMEPOINT tp [z401]**

TM17 DefIntervalBeginsAtTpt..... ->

**TEMPORALITY: DEFINE: INTERVAL id BEGINS AT TIMEPOINT tp [z399]**

TM18 DefIntervalExcludesTpt..... ->

**TEMPORALITY: DEFINE: INTERVAL id EXCLUDES TIMEPOINT tp [z402]**

TM19 DefIntervalBeginsTpt..... ->

**TEMPORALITY: DEFINE: INTERVAL id BEGINS TIMEPOINT tp [z388]**

TM20 DefIntervalDurForTspanToTpt... ->

**TEMPORALITY: DEFINE: INTERVAL id DURATION FOR TIMESPAN ts TO TIMEPOINT tp [z397]**

TM21 DefIntervalDurForTspan..... ->

**TEMPORALITY: DEFINE: INTERVAL id DURATION FOR TIMESPAN ts [z398]**

TM22 IntervalEventFinishesEvent.... ->

**TEMPORALITY: INTERVAL: EVENT id FINISHES EVENT id [z378]**

TM23 IntervalEventBeforeEvent..... ->

**TEMPORALITY: INTERVAL: EVENT id BEFORE EVENT id [z375]**

TM24 IntervalEventOverlapsEvent.... ->

**TEMPORALITY: INTERVAL: EVENT id OVERLAPS EVENT id [z380]**

TM25 IntervalEventEqualsEvent..... ->

**TEMPORALITY: INTERVAL: EVENT id EQUALSEVENT id [z377]**

TM26 IntervalEventMeetsEvent..... ->

**TEMPORALITY: INTERVAL: EVENT id MEETS EVENT id [z379]**

TM27 IntervalEventDuringEvent..... ->

**TEMPORALITY: INTERVAL: EVENT id DURING EVENT id [z376]**

TM28 IntervalEventAfterEvent..... ->

**TEMPORALITY: INTERVAL: EVENT id AFTER EVENT id [z382]**

TM29 IntervalEventStartsEvent..... ->

**TEMPORALITY: INTERVAL: EVENT id STARTS EVENT id [z381]**

TM30 JoinBundleWithBundleAtEvent... ->

**TEMPORALITY: JOIN BUNDLE id WITH BUNDLE id AT EVENT id [z372]**

TM31 PositBranchContainsBundle..... ->

**TEMPORALITY: POSIT: BRANCH id CONTAINS BUNDLE id [z918]**

TM32 PositBundleHasSignal..... ->

**TEMPORALITY: POSIT: BUNDLE id HAS SIGNAL id [z373]**

TM33 PositEventHasInterval..... ->

**TEMPORALITY: POSIT: EVENT id HAS INTERVAL id [z384]**

TM34 PositLcycHasAmata..... ->

**TEMPORALITY: POSIT: LIFECYCLE id HAS AUTOMATA id [z463]**

TM35 PositLcycHasEvent..... ->

**TEMPORALITY: POSIT: LIFECYCLE id HAS EVENT id [z462]**

TM36 PositLcycHasPetrinet..... ->

**TEMPORALITY: POSIT: LIFECYCLE id HAS PETRINET id [z465]**

TM37 PositLcycHasSignalWithEvent... ->

**TEMPORALITY: POSIT: LIFECYCLE id HAS SIGNAL id WITH EVENT id [z464]**

TM38 PositRelFromSignalToSignal.... ->

**TEMPORALITY: POSIT: RELATION id FROM SIGNAL id TO SIGNAL id [z392]**

TM39 PositSheafHasBranch..... ->

**TEMPORALITY: POSIT: SHEAF id HAS BRANCH id [z917]**

TM40 PositSheafHasBundle..... ->

**TEMPORALITY: POSIT: SHEAF id HAS BUNDLE id [z390]**

TM41 PositSignalHasEvent..... ->

**TEMPORALITY: POSIT: SIGNAL id HAS EVENT id [z394]**

TM42 PositTemporalityHasSheaf..... ->



**TEMPORALITY: POSIT: TEMPORALITY id HAS SHEAF id [z916]**

TM43 SplitBundleWithBundleAtEvent.. ->

**TEMPORALITY: SPLIT BUNDLE id WITH BUNDLE id AT EVENT id [z374]**

TR1 CheckClockReference..... ->

**TURING: CHECK CLOCK id REFERENCE [z479]**

TR2 CheckReferenceOnEvent..... ->

**TURING: CHECK REFERENCE id ON EVENT id [z475]**

TR3 DefIdentIsAnetic..... ->

**TURING: DEFINE: IDENTIFIER id IS AUTONETIC [z474]**

TR4 DefIdentIsClock..... ->

**TURING: DEFINE: IDENTIFIER id IS CLOCK id [z477]**

TR5 DefIdentIsEventuality..... ->

**TURING: DEFINE: IDENTIFIER id IS EVENTUALITY [z493]**

TR6 DefIdentIsFlag..... ->

**TURING: DEFINE: IDENTIFIER id IS FLAG [z494]**

TR7 DefIdentIsReference..... ->

**TURING: DEFINE: IDENTIFIER id IS REFERENCE [z497]**

TR8 DefIdentIsSpot..... ->

**TURING: DEFINE: IDENTIFIER id IS SPOT [z498]**

TR9 GlobalClockForReferenceGlobal. ->

**TURING: GLOBAL CLOCK id FOR REFERENCE id [z476]**

TR10 InitializeClockToTimepoint.... ->

**TURING: INITIALIZE CLOCK id TO TIMEPOINT tp [z478]**

TR11 PositAneticHasAssembly..... ->

**TURING: POSIT: AUTONETIC id HAS ASSEMBLY id [z468]**

TR12 PositAneticHasInputAttr..... ->

**TURING: POSIT: AUTONETIC id HAS INPUT ATTRIBUTE id [z471]**

TR13 PositAneticHasOutputAttr..... ->

**TURING: POSIT: AUTONETIC id HAS OUTPUT ATTRIBUTE id [z472]**

TR14 PositAneticHasReactionAttr.... ->

**TURING: POSIT: AUTONETIC id HAS REACTION ATTRIBUTE id [z473]**

TR15 PositAneticHasActivationAttr.. ->

**TURING: POSIT: AUTONETIC id HAS ACTIVATION ATTRIBUTE id [z467]**

TR16 PositAneticHasBehavior..... ->

**TURING: POSIT: AUTONETIC id HAS BEHAVIOR id [z469]**

TR17 PositAneticHasFlag..... ->

**TURING: POSIT: AUTONETIC id HAS FLAG id [z470]**

TR18 PositClockIsInReference..... ->

**TURING: POSIT: CLOCK id IS IN REFERENCE id [z482]**

TR19 PositEnvironmentHasAnetic..... ->

**TURING: POSIT: ENVIRONMENT id HAS AUTONETIC id [z514]**

TR20 PositEnvironmentHasBundle..... ->

**TURING: POSIT: ENVIRONMENT id HAS BUNDLE id [z515]**

TR21 PositEnvironmentHasClock..... ->

**TURING: POSIT: ENVIRONMENT id HAS CLOCK id [z516]**

TR22 PositEnvironmentHasEventy... ->

**TURING: POSIT: ENVIRONMENT id HAS EVENTY id [z517]**

TR23 PositEnvironmentHasFlag..... ->

**TURING: POSIT: ENVIRONMENT id HAS FLAG id [z518]**

TR24 PositEnvironmentHasSheaf..... ->

**TURING: POSIT: ENVIRONMENT id HAS SHEAF id [z519]**

TR25 PositEventyHasAutonentic.... ->

**TURING: POSIT: EVENTY id HAS AUTONENTIC id [z487]**

TR26 PositEventyHasBundle..... ->

**TURING: POSIT: EVENTY id HAS BUNDLE id [z488]**

TR27 PositEventyHasClock..... ->

**TURING: POSIT: EVENTY id HAS CLOCK id [z489]**

TR28 PositEventyHasSheaf..... ->

**TURING: POSIT: EVENTITY id HAS SHEAF id [z919]**

TR29 PositEventyIsEntityWithLcyc. ->

**TURING: POSIT: EVENTITY id IS ENTITY id WITH LIFECYCLE id [z490]**

TR30 PositEventyHasFlag..... ->

**TURING: POSIT: EVENTITY id HAS FLAG id [z491]**

TR31 PositEventyIsAtSpot..... ->

**TURING: POSIT: EVENTITY id IS AT SPOT id [z486]**

TR32 PositFlagHasBan..... ->

**TURING: POSIT: FLAG id HAS BANNER id [z492]**

TR33 PositFlagHasSvar..... ->

**TURING: POSIT: FLAG id HAS STATEVAR id [z496]**

TR34 PositMetasystemHasAnetic..... ->

**TURING: POSIT: METASYSTEM id HAS AUTONETIC id [z508]**

TR35 PositMetasystemHasBundle..... ->

**TURING: POSIT: METASYSTEM id HAS BUNDLE id [z509]**

TR36 PositMetasystemHasClock..... ->

**TURING: POSIT: METASYSTEM id HAS CLOCK id [z510]**

TR37 PositMetasystemHasEventy.... ->

**TURING: POSIT: METASYSTEM id HAS EVENTITY id [z511]**

TR38 PositMetasystemHasFlag..... ->

**TURING: POSIT: METASYSTEM id HAS FLAG id [z512]**

TR39 PositMetasystemHasSheaf..... ->

**TURING: POSIT: METASYSTEM id HAS SHEAF id [z513]**

TR40 PositReferenceHasClock..... ->

**TURING: POSIT: REFERENCE id HAS CLOCK id [z481]**

TR41 PositSpotIssect..... ->

**TURING: POSIT: SPOT id IS INTERSECTION id [z500]**

TR42 PositSpotIsSite..... ->

**TURING: POSIT: SPOT id IS SITE id [z499]**

TR43 PositSystemHasAnetic..... ->

**TURING: POSIT: SYSTEM id HAS AUTONETIC id [z502]**

TR44 PositSystemHasBundle..... ->

**TURING: POSIT: SYSTEM id HAS BUNDLE id [z503]**

TR45 PositSystemHasClock..... ->

**TURING: POSIT: SYSTEM id HAS CLOCK id [z504]**

TR46 PositSystemHasEventy..... ->

**TURING: POSIT: SYSTEM id HAS EVENTITY id [z505]**

TR47 PositSystemHasFlag..... ->

**TURING: POSIT: SYSTEM id HAS FLAG id [z506]**

TR48 PositSystemHasSheaf..... ->

**TURING: POSIT: SYSTEM id HAS SHEAF id [z507]**

TR49 ReadFlag..... ->

**TURING: READ FLAG id [z495]**

TR50 ReadClockIntoClock..... ->

**TURING: READ CLOCK id INTO CLOCK id [z485]**

TR51 ReadClockReference..... ->

**TURING: READ CLOCK id REFERENCE [z480]**

TR52 ResetClock..... ->

**TURING: RESET CLOCK id [z483]**

TR53 SetClockToTimepoint..... ->

**TURING: SET CLOCK id TO TIMEPOINT tp [z484]**

TR54 SynchronizeReferenceOnEvent... ->

**TURING: SYNCHRONIZE REFERENCE id ON EVENT id [z501]**

WR1 DefIdentIsChoice..... ->

**WORLD: DEFINE: IDENTIFIER id IS CHOICE [z702]**

WR2 DefIdentIsConstruct..... ->

**WORLD: DEFINE: IDENTIFIER id IS CONSTRUCT [z703]**

WR3 DefIdentIsIterator..... ->

**WORLD: DEFINE: IDENTIFIER id IS ITERATOR [z920]**

WR4 DefIdentIsRole..... ->

**WORLD: DEFINE: IDENTIFIER id IS ROLE [z704]**

WR5 DefIdentIsScenario..... ->

**WORLD: DEFINE: IDENTIFIER id IS SCENARIO [z705]**

WR6 DefIdentIsSeq..... ->

**WORLD: DEFINE: IDENTIFIER id IS SEQUENCE [z706]**

WR7 DefIdentIsWorld..... ->

**WORLD: DEFINE: IDENTIFIER id IS WORLD [z707]**

WR8 DefIdentIsWorldline..... ->

**WORLD: DEFINE: IDENTIFIER id IS WORLDLINE [z708]**

WR9 PositActionCauzEvent..... ->

**WORLD: POSIT: ACTION id CAUSES EVENT id [z709]**

WR10 PositAgentHasRole..... ->

**WORLD: POSIT: AGENT id HAS ROLE id [z710]**

WR11 PositAgentHasWorldline..... ->

**WORLD: POSIT: AGENT id HAS WORLDLINE id [z711]**

WR12 PositChoiceHasSeq..... ->

**WORLD: POSIT: CHOICE id HAS SEQUENCE id [z712]**

WR13 PositConstructTriggersEvent... ->

**WORLD: POSIT: CONSTRUCT id TRIGGERS EVENT id [z713]**

WR14 PositConstructHasInstr..... ->

**WORLD: POSIT: CONSTRUCT id HAS INSTRUCTION id [z714]**

WR15 PositConstructHasSeq..... ->

**WORLD: POSIT: CONSTRUCT id HAS SEQUENCE id [z715]**

WR16 PositConstructUsesWorker..... ->

**WORLD: POSIT: CONSTRUCT id USES WORKER id [z716]**

WR17 PositConstructIsChoice..... ->

**WORLD: POSIT: CONSTRUCT id IS CHOICE [z717]**

WR18 PositConstructIsIterator..... ->

**WORLD: POSIT: CONSTRUCT id IS ITERATOR [z718]**

WR19 PositConstructIsInteraction... ->

**WORLD: POSIT: CONSTRUCT id IS INTERACTION [z719]**

WR20 PositEventCauzEvent..... ->

**WORLD: POSIT: EVENT id CAUSES EVENT id [z720]**

WR21 PositEventCausedByStateInSvar. ->

**WORLD: POSIT: EVENT id CAUSED BY STATE id IN STATEVAR id [z721]**

WR22 PositEventCausedByStateInact.. ->

**WORLD: POSIT: EVENT id CAUSED BY STATE id INACTIVE [z722]**

WR23 PositEventCausedByStateActive. ->

**WORLD: POSIT: EVENT id CAUSED BY STATE id ACTIVE [z723]**

WR24 PositInsigniaCauzEventOnBan... ->

**WORLD: POSIT: INSIGNIA id CAUSES EVENT id ON BANNER id [z724]**

WR25 PositIteratorHasSeq..... ->

**WORLD: POSIT: ITERATOR id HAS SEQUENCE id [z725]**

WR26 PositPlaceCauzEventUnmarked... ->

**WORLD: POSIT: PLACE id CAUSES EVENT id UNMARKED [z726]**

WR27 PositPlaceCauzEventMarked..... ->

**WORLD: POSIT: PLACE id CAUSES EVENT id MARKED [z727]**

WR28 PositRoleHasSeq..... ->

**WORLD: POSIT: ROLE id HAS SEQUENCE id [z728]**

WR29 PositScenarioHasSeq..... ->

**WORLD: POSIT: SCENARIO id HAS SEQUENCE id [z729]**

WR30 PositSeqOrderedConstructId.... ->

**WORLD: POSIT: SEQUENCE id ORDERED CONSTRUCT id [z730]**

WR31 PositTransitionCauzEvent..... ->

**WORLD: POSIT: TRANSITION id CAUSES EVENT id [z731]**

WR32 PositWorldContainsWorldline... ->

**WORLD: POSIT: WORLD id CONTAINS WORLDLINE id [z732]**

WR33 PositWorldlineHasSeq..... ->

**WORLD: POSIT: WORLDLINE id HAS SEQUENCE id [z733]**

LAST Z# USED =927

## **Apeiron Press**

PO Box 4402  
Garden Grove,  
California 92842-4402

714-638-7376  
714-638-1210  
palmer@think.net  
palmer@netcom.com  
palmer@exo.com  
Dateline 714-638-0876

Copyright 1996 by Kent Duane Palmer

Draft #1 950710 Editorial Copy.  
Not for distribution.

All rights reserved. No part of this book may be reproduced in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without permission in writing from the publisher.

This book was set using Framemaker document publishing software by the author.

Electronic Version in Adobe Acrobat PDF available at <http://server.snni.com:80/~palmer/homepage.html>



Library of Congress  
Cataloging in Publication Data

Palmer, Kent Duane

WILD SOFTWARE META-SYSTEMS

Bibliography  
Includes Index

1. Philosophy-- Ontology
2. Software Engineering
3. Software Design Methods

I. Title

[XXX000.X00 199x]

9x-xxxxx

ISBN 0-xxx-xxxxx-x

**Keywords:**

Software, Design Methods, Ontology,  
Integral Software Engineering  
Methodology, Systems Theory

