Chapter

24

The TTCN Access Class Reference Manual

This chapter contains the class definitions in TTCN Access.

The definitions are grouped into the following areas:

Static and Table Nodes

This section contains all static nodes and table nodes (that is those visible in the Browser) and also the nodes representing rows inside tables. Common for these nodes are that they are always present, there may be any number of them, but they are generally well defined and cannot just be missing.

AliasDef ::= SEQUENCE {

aliasId	AliasId	FIELD	--See page 1036
expandedId	ExpandedId	FIELD	--See page 1053
comment	Comment	FIELD	--See page 1091

}

Referenced from: AliasDefList (p. 1004)

AliasDefList ::= SEQUENCE OF {

aliasDef	AliasDef		--See page 1004

}

Referenced from: AliasDefs (p. 1004)

AliasDefs ::= SEQUENCE {

aliasDefList	AliasDefList		--See page 1004
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ComplexDefinitions (p. 1013)

ASN1_ASP_Constraint ::= SEQUENCE {

consId	ConsId	FIELD	--See page 1044
asp_Id	ASP_Id	FIELD	--See page 1038
derivPath	DerivPath	FIELD	--See page 1050
comment	Comment	FIELD	--See page 1091
asn1_ConsValue	ASN1_ConsValue	FIELD	--See page 1037
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ASN1_ASP_Constraints (p. 1004)

ASN1_ASP_Constraints ::= SEQUENCE OF {

asn1_ASP_Constraint	ASN1_ASP_Constraint		--See page 1004

}

Referenced from: ASP_Constraints (p. 1009)

ASN1_ASP_TypeDef ::= SEQUENCE {

asp_Id	ASP_Id	FIELD	--See page 1038
pco_Type	PCO_Type	FIELD	--See page 1065
comment	Comment	FIELD	--See page 1091
asn1_TypeDefinition	ASN1_TypeDefinition	FIELD	--See page 1037
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ASN1_ASP_TypeDefs (p. 1005)

ASN1_ASP_TypeDefByRef ::= SEQUENCE {

asp_Id	ASP_Id	FIELD	--See page 1038
pco_Type	PCO_Type	FIELD	--See page 1065
asn1_TypeReference	ASN1_TypeReference	FIELD	--See page 1090
asn1_ModuleId	ASN1_ModuleId	FIELD	--See page 1090
comment	Comment	FIELD	--See page 1091
asn1_TypeDefinition	ASN1_TypeDefinition	FIELD	--See page 1037

}

Referenced from: ASN1_ASP_TypeDefByRefList (p. 1005)

ASN1_ASP_TypeDefByRefList ::= SEQUENCE OF {

asn1_ASP_TypeDefByRef	ASN1_ASP_TypeDefByRef	--See page 1005

}

Referenced from: ASN1_ASP_TypeDefsByRef (p. 1005)

ASN1_ASP_TypeDefs ::= SEQUENCE OF {

asn1_ASP_TypeDef	ASN1_ASP_TypeDef	--See page 1005

}

Referenced from: ASP_TypeDefs (p. 1010)

ASN1_ASP_TypeDefsByRef ::= SEQUENCE {

asn1_ASP_TypeDefByRefList	ASN1_ASP_TypeDefByRefList		--See page 1005
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ASP_TypeDefs (p. 1010)

ASN1_CM_Constraint ::= SEQUENCE {

consId	ConsId	FIELD	--See page 1044
cm_Id	CM_Id	FIELD	--See page 1043
derivPath	DerivPath	FIELD	--See page 1050
comment	Comment	FIELD	--See page 1091
asn1_ConsValue	ASN1_ConsValue	FIELD	--See page 1037
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ASN1_CM_Constraints (p. 1006)

ASN1_CM_Constraints ::= SEQUENCE OF {

asn1_CM_Constraint	ASN1_CM_Constraint		--See page 1006

}

Referenced from: CM_Constraints (p. 1011)

ASN1_CM_TypeDef ::= SEQUENCE {

cm_Id	CM_Id	FIELD	--See page 1043
comment	Comment	FIELD	--See page 1091
asn1_TypeDefinition	ASN1_TypeDefinition	FIELD	--See page 1037
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ASN1_CM_TypeDefs (p. 1006)

ASN1_CM_TypeDefs ::= SEQUENCE OF {

asn1_CM_TypeDef	ASN1_CM_TypeDef		--See page 1006

}

Referenced from: CM_TypeDefs (p. 1012)

ASN1_PDU_Constraint ::= SEQUENCE {

consId	ConsId	FIELD	--See page 1044
pdu_Id	PDU_Id	FIELD	--See page 1066
derivPath	DerivPath	FIELD	--See page 1050
encRuleId	EncRuleId	FIELD	--See page 1052
encVariationId	EncVariationId	FIELD	--See page 1052
comment	Comment	FIELD	--See page 1091
asn1_ConsValue	ASN1_ConsValue	FIELD	--See page 1037
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ASN1_PDU_Constraints (p. 1007)

ASN1_PDU_Constraints ::= SEQUENCE OF {

asn1_PDU_Constraint	ASN1_PDU_Constraint	--See page 1006

}

Referenced from: PDU_Constraints (p. 1020)

ASN1_PDU_TypeDef ::= SEQUENCE {

pdu_Id	PDU_Id	FIELD	--See page 1066
pco_Type	PCO_Type	FIELD	--See page 1065
pdu_EncodingId	PDU_EncodingId	FIELD	--See page 1065
encVariationId	EncVariationId	FIELD	--See page 1052
comment	Comment	FIELD	--See page 1091
asn1_TypeDefinition	ASN1_TypeDefinition	FIELD	--See page 1037
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ASN1_PDU_TypeDefs (p. 1007)

ASN1_PDU_TypeDefByRef ::= SEQUENCE {

pdu_Id	PDU_Id	FIELD	--See page 1066
pco_Type	PCO_Type	FIELD	--See page 1065
asn1_TypeReference	ASN1_TypeReference	FIELD	--See page 1090
asn1_ModuleId	ASN1_ModuleId	FIELD	--See page 1090
pdu_EncodingId	PDU_EncodingId	FIELD	--See page 1065
encVariationId	EncVariationId	FIELD	--See page 1052
comment	Comment	FIELD	--See page 1091
asn1_TypeDefinition	ASN1_TypeDefinition	FIELD	--See page 1037

}

Referenced from: ASN1_PDU_TypeDefByRefList (p. 1007)

ASN1_PDU_TypeDefByRefList ::= SEQUENCE OF {

asn1_PDU_TypeDefByRef	ASN1_PDU_TypeDefByRef	--See page 1007

}

Referenced from: ASN1_PDU_TypeDefsByRef (p. 1008)

ASN1_PDU_TypeDefs ::= SEQUENCE OF {

asn1_PDU_TypeDef	ASN1_PDU_TypeDef	--See page 1007

}

Referenced from: PDU_TypeDefs (p. 1020)

ASN1_PDU_TypeDefsByRef ::= SEQUENCE {

asn1_PDU_TypeDefByRefList	ASN1_PDU_TypeDefByRefList		--See page 1007
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: PDU_TypeDefs (p. 1020)

ASN1_TypeConstraint ::= SEQUENCE {

consId	ConsId	FIELD	--See page 1044
asn1_TypeId	ASN1_TypeId	FIELD	--See page 1038
derivPath	DerivPath	FIELD	--See page 1050
encVariationId	EncVariationId	FIELD	--See page 1052
comment	Comment	FIELD	--See page 1091
asn1_ConsValue	ASN1_ConsValue	FIELD	--See page 1037
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ASN1_TypeConstraints (p. 1008)

ASN1_TypeConstraints ::= SEQUENCE OF {

asn1_TypeConstraint	ASN1_TypeConstraint		--See page 1008

}

Referenced from: TS_TypeConstraints (p. 1031)

ASN1_TypeDef ::= SEQUENCE {

asn1_TypeId	ASN1_TypeId	FIELD	--See page 1038
encVariationId	EncVariationId	FIELD	--See page 1052
comment	Comment	FIELD	--See page 1091
asn1_TypeDefinition	ASN1_TypeDefinition	FIELD	--See page 1037
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ASN1_TypeDefs (p. 1008)

ASN1_TypeDefs ::= SEQUENCE OF {

asn1_TypeDef	ASN1_TypeDef		--See page 1008

}

Referenced from: TS_TypeDefs (p. 1031)

ASN1_TypeRef ::= SEQUENCE {

asn1_TypeId	ASN1_TypeId	FIELD	--See page 1038
asn1_TypeReference	ASN1_TypeReference	FIELD	--See page 1090
asn1_ModuleId	ASN1_ModuleId	FIELD	--See page 1090
encVariationId	EncVariationId	FIELD	--See page 1052
comment	Comment	FIELD	--See page 1091
asn1_TypeDefinition	ASN1_TypeDefinition	FIELD	--See page 1037

}

Referenced from: ASN1_TypeRefList (p. 1009)

ASN1_TypeRefList ::= SEQUENCE OF {

asn1_TypeRef	ASN1_TypeRef		--See page 1009

}

Referenced from: ASN1_TypeRefs (p. 1009)

ASN1_TypeRefs ::= SEQUENCE {

asn1_TypeRefList	ASN1_TypeRefList		--See page 1009
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TS_TypeDefs (p. 1031)

ASP_Constraints ::= SEQUENCE {

ttcn_ASP_Constraints	TTCN_ASP_Constraints		--See page 1032
asn1_ASP_Constraints	ASN1_ASP_Constraints		--See page 1004

}

Referenced from: ConstraintsPart (p. 1013)

ASP_ParDcl ::= SEQUENCE {

asp_ParId	ASP_ParId	FIELD	--See page 1039
asp_ParType	ASP_ParType	FIELD	--See page 1039
comment	Comment	FIELD	--See page 1091

}

Referenced from: ASP_ParDcls (p. 1009)

ASP_ParDcls ::= SEQUENCE OF {

asp_ParDcl	ASP_ParDcl		--See page 1009

}

Referenced from: TTCN_ASP_TypeDef (p. 1033)

ASP_ParValue ::= SEQUENCE {

asp_ParId	ASP_ParId	FIELD	--See page 1039
consValue	ConsValue	FIELD	--See page 1046
comment	Comment	FIELD	--See page 1091

}

Referenced from: ASP_ParValues (p. 1010)

ASP_ParValues ::= SEQUENCE OF {

asp_ParValue	ASP_ParValue	--See page 1010

}

Referenced from: TTCN_ASP_Constraint (p. 1032)

ASP_TypeDefs ::= SEQUENCE {

ttcn_ASP_TypeDefs	TTCN_ASP_TypeDefs	--See page 1033
asn1_ASP_TypeDefs	ASN1_ASP_TypeDefs	--See page 1005
asn1_ASP_TypeDefsByRef	ASN1_ASP_TypeDefsByRef	--See page 1005

}

Referenced from: ComplexDefinitions (p. 1013)

ASuite ::= SEQUENCE {

suiteId	SuiteId	FIELD	--See page 1077
suiteOverviewPart	SuiteOverviewPart		--See page 1024
declarationsPart	DeclarationsPart		--See page 1014
constraintsPart	ConstraintsPart		--See page 1013
dynamicPart	DynamicPart		--See page 1016

}

BehaviourDescription ::= SEQUENCE {

rootTree	RootTree	--See page 1021
localTreeList	LocalTreeList	--See page 1018

}

Referenced from: TestCase (p. 1026) TestStep (p. 1027) DefaultCase (p. 1014)

BehaviourLine ::= SEQUENCE {

lineNumber	LineNumber	FIELD	--See page 1057
labelId	LabelId	FIELD	--See page 1057
line	Line	FIELD	--See page 1057
cref	Cref	FIELD	--See page 1048
verdictId	VerdictId	FIELD	--See page 1088
comment	Comment	FIELD	--See page 1091
children	Children		--See page 1011

}

Referenced from: RootTree (p. 1021) BehaviourLineList (p. 1011) Children (p. 1011)

BehaviourLineList ::= SEQUENCE OF {

behaviourLine	BehaviourLine	--See page 1011

}

Referenced from: LocalTree (p. 1018)

Children ::= SEQUENCE OF {

behaviourLine	BehaviourLine	--See page 1011

}

Referenced from: BehaviourLine (p. 1011)

CM_Constraints ::= SEQUENCE {

ttcn_CM_Constraints	TTCN_CM_Constraints	--See page 1033
asn1_CM_Constraints	ASN1_CM_Constraints	--See page 1006

}

Referenced from: ConstraintsPart (p. 1013)

CM_ParDcl ::= SEQUENCE {

cm_ParId	CM_ParId	FIELD	--See page 1043
cm_ParType	CM_ParType	FIELD	--See page 1043
comment	Comment	FIELD	--See page 1091

}

Referenced from: CM_ParDcls (p. 1011)

CM_ParDcls ::= SEQUENCE OF {

cm_ParDcl	CM_ParDcl	--See page 1011

}

Referenced from: TTCN_CM_TypeDef (p. 1033)

CM_ParValue ::= SEQUENCE {

cm_ParId	CM_ParId	FIELD	--See page 1043
consValue	ConsValue	FIELD	--See page 1046
comment	Comment	FIELD	--See page 1091

}

Referenced from: CM_ParValues (p. 1012)

CM_ParValues ::= SEQUENCE OF {

cm_ParValue	CM_ParValue	--See page 1012

}

Referenced from: TTCN_CM_Constraint (p. 1033)

CM_TypeDefs ::= SEQUENCE {

ttcn_CM_TypeDefs	TTCN_CM_TypeDefs	--See page 1034
asn1_CM_TypeDefs	ASN1_CM_TypeDefs	--See page 1006

}

Referenced from: ComplexDefinitions (p. 1013)

CompactTestCase ::= SEQUENCE {

testCaseId	TestCaseId	FIELD	--See page 1079
testPurpose	TestPurpose	FIELD	--See page 1101
testStepAttachment	TestStepAttachment	FIELD	--See page 1079
comment	Comment	FIELD	--See page 1091
selExprId	SelExprId	FIELD	--See page 1072
description	Description	FIELD	--See page 1091

}

Referenced from: CompactTestCaseList (p. 1012)

CompactTestCaseList ::= SEQUENCE OF {

compactTestCase	CompactTestCase	--See page 1012

}

Referenced from: CompactTestGroup (p. 1013)

CompactTestGroup ::= SEQUENCE {

testGroupId	TestGroupId	FIELD	--See page 1079
defaultsRef	DefaultsRef	FIELD	--See page 1049
selExprId	SelExprId	OPTIONAL	--See page 1072
objective	Objective	OPTIONAL	--See page 1098
compactTestCaseList	CompactTestCaseList		--See page 1012

}

Referenced from: TestGroupOrTestCase (p. 1027)

ComplexDefinitions ::= SEQUENCE {

asp_TypeDefs	ASP_TypeDefs	--See page 1010
pdu_TypeDefs	PDU_TypeDefs	--See page 1020
cm_TypeDefs	CM_TypeDefs	--See page 1012
aliasDefs	AliasDefs	--See page 1004

}

Referenced from: DeclarationsPart (p. 1014)

ConstraintsPart ::= SEQUENCE {

ts_TypeConstraints	TS_TypeConstraints	--See page 1031
asp_Constraints	ASP_Constraints	--See page 1009
pdu_Constraints	PDU_Constraints	--See page 1020
cm_Constraints	CM_Constraints	--See page 1011

}

Referenced from: ASuite (p. 1010)

CP_Dcl ::= SEQUENCE {

cp_Id	CP_Id	FIELD	--See page 1047
comment	Comment	FIELD	--See page 1091

}

Referenced from: CP_DclList (p. 1013)

CP_DclList ::= SEQUENCE OF {

cp_Dcl	CP_Dcl	--See page 1013

}

Referenced from: CP_Dcls (p. 1014)

CP_Dcls ::= SEQUENCE {

cp_DclList	CP_DclList		--See page 1013
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: Declarations (p. 1014)

Declarations ::= SEQUENCE {

ts_ConstDcls	TS_ConstDcls	--See page 1029
ts_ConstRefs	TS_ConstRefs	--See page 1030
ts_VarDcls	TS_VarDcls	--See page 1032
tc_VarDcls	TC_VarDcls	--See page 1025
pco_TypeDcls	PCO_TypeDcls	--See page 1019
pco_Dcls	PCO_Dcls	--See page 1019
cp_Dcls	CP_Dcls	--See page 1014
timerDcls	TimerDcls	--See page 1029
tcompDcls	TCompDcls	--See page 1026
tcompConfigDcls	TCompConfigDcls	--See page 1025

}

Referenced from: DeclarationsPart (p. 1014)

DeclarationsPart ::= SEQUENCE {

definitions	Definitions	--See page 1015
paramAndSelection	ParamAndSelection	--See page 1018
declarations	Declarations	--See page 1014
complexDefinitions	ComplexDefinitions	--See page 1013

}

Referenced from: ASuite (p. 1010)

DefaultCase ::= SEQUENCE {

defaultId	DefaultId	FIELD	--See page 1048
defaultRef	DefaultRef	FIELD	--See page 1049
objective	Objective	FIELD	--See page 1098
comment	Comment	FIELD	--See page 1091
description	Description	FIELD	--See page 1091
behaviourDescription	BehaviourDescription		--See page 1010
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: DefaultGroupOrDefault (p. 1015)

DefaultGroup ::= SEQUENCE {

defaultGroupId	DefaultGroupId	FIELD	--See page 1048
defaultGroupOrDefaultList	DefaultGroupOrDefaultList		--See page 1015

}

Referenced from: DefaultGroupOrDefault (p. 1015)

DefaultGroupOrDefault ::= CHOICE {

defaultGroup	DefaultGroup	--See page 1015
defaultCase	DefaultCase	--See page 1014

}

Referenced from: DefaultGroupOrDefaultList (p. 1015)

DefaultGroupOrDefaultList ::= SEQUENCE OF {

defaultGroupOrDefault	DefaultGroupOrDefault	--See page 1015

}

Referenced from: DefaultsLibrary (p. 1015) DefaultGroup (p. 1015)

DefaultIndex ::= SEQUENCE {

SO_defIndexList	SO_DefIndexList		--See page 1022
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: SuiteOverviewPart (p. 1024)

DefaultsLibrary ::= SEQUENCE {

defaultGroupOrDefaultList	DefaultGroupOrDefaultList	--See page 1015

}

Referenced from: DynamicPart (p. 1016)

Definitions ::= SEQUENCE {

ts_TypeDefs	TS_TypeDefs	--See page 1031
encodingDefs	EncodingDefs	--See page 1017
ts_OpDefs	TS_OpDefs	--See page 1030
ts_ProcDefs	TS_ProcDefs	--See page 1031

}

Referenced from: DeclarationsPart (p. 1014)

DynamicPart ::= SEQUENCE {

testCases	TestCases		--See page 1027
testStepLibrary	TestStepLibrary		--See page 1028
defaultsLibrary	DefaultsLibrary		--See page 1015

}

Referenced from: ASuite (p. 1010)

ElemDcl ::= SEQUENCE {

elemId	ElemId	FIELD	--See page 1051
elemType	ElemType	FIELD	--See page 1051
pdu_FieldEncoding	PDU_FieldEncoding	FIELD	--See page 1065
comment	Comment	FIELD	--See page 1091

}

Referenced from: ElemDcls (p. 1016)

ElemDcls ::= SEQUENCE OF {

elemDcl	ElemDcl		--See page 1016

}

Referenced from: StructTypeDef (p. 1024)

ElemValue ::= SEQUENCE {

elemId	ElemId	FIELD	--See page 1051
consValue	ConsValue	FIELD	--See page 1046
comment	Comment	FIELD	--See page 1091

}

Referenced from: ElemValues (p. 1016)

ElemValues ::= SEQUENCE OF {

elemValue	ElemValue		--See page 1016

}

Referenced from: StructTypeConstraint (p. 1023)

EncodingDefinition ::= SEQUENCE {

encodingRuleId	EncodingRuleId	FIELD	--See page 1051
encodingRef	EncodingRef	FIELD	--See page 1051
encodingDefault	EncodingDefault	OPTIONAL	--See page 1051
comment	Comment	FIELD	--See page 1091

}

Referenced from: EncodingDefList (p. 1017)

EncodingDefinitions ::= SEQUENCE {

encodingDefList	EncodingDefList		--See page 1017
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: EncodingDefs (p. 1017)

EncodingDefList ::= SEQUENCE OF {

encodingDefinition	EncodingDefinition	--See page 1016

}

Referenced from: EncodingDefinitions (p. 1017)

EncodingDefs ::= SEQUENCE {

encodingDefinitions	EncodingDefinitions	--See page 1017
encodingVariations	EncodingVariations	--See page 1017
invalidFieldEncodingDefs	InvalidFieldEncodingDefs	--See page 1018

}

Referenced from: Definitions (p. 1015)

EncodingVariation ::= SEQUENCE {

encodingVariationId	EncodingVariationId	FIELD	--See page 1051
variationRef	VariationRef	FIELD	--See page 1087
variationDefault	VariationDefault	OPTIONAL	--See page 1087
comment	Comment	FIELD	--See page 1091

}

Referenced from: EncodingVariationList (p. 1017)

EncodingVariationList ::= SEQUENCE OF {

encodingVariation	EncodingVariation	--See page 1017

}

Referenced from: EncodingVariationSet (p. 1018)

EncodingVariations ::= SEQUENCE OF {

encodingVariationSet	EncodingVariationSet	--See page 1018

}

Referenced from: EncodingDefs (p. 1017)

EncodingVariationSet ::= SEQUENCE {

encodingRuleId	EncodingRuleId	FIELD	--See page 1051
encoding_TypeList	Encoding_TypeList	FIELD	--See page 1092
comment	Comment	FIELD	--See page 1091
encodingVariationList	EncodingVariationList		--See page 1017
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: EncodingVariations (p. 1017)

InvalidFieldEncodingDef ::= SEQUENCE {

invalidFieldEncodingId	InvalidFieldEncodingId	FIELD	--See page 1056
encoding_TypeList	Encoding_TypeList	FIELD	--See page 1092
comment	Comment	FIELD	--See page 1091
invalidFieldEncodingDefinition	InvalidFieldEncodingDefinitionFIELD		--See page 1095
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: InvalidFieldEncodingDefs (p. 1018)

InvalidFieldEncodingDefs ::= SEQUENCE OF {

invalidFieldEncodingDef	InvalidFieldEncodingDef	--See page 1018

}

Referenced from: EncodingDefs (p. 1017)

LocalTree ::= SEQUENCE {

header	Header	FIELD	--See page 1055
behaviourLineList	BehaviourLineList		--See page 1011

}

Referenced from: LocalTreeList (p. 1018)

LocalTreeList ::= SEQUENCE OF {

localTree	LocalTree	--See page 1018

}

Referenced from: BehaviourDescription (p. 1010)

ParamAndSelection ::= SEQUENCE {

ts_ParDcls	TS_ParDcls	--See page 1031
selectExprDefs	SelectExprDefs	--See page 1021

}

Referenced from: DeclarationsPart (p. 1014)

PCO_Dcl ::= SEQUENCE {

pco_Id	PCO_Id	FIELD	--See page 1064
pco_TypeId	PCO_TypeId	FIELD	--See page 1065
p_Role	P_Role	FIELD	--See page 1063
comment	Comment	FIELD	--See page 1091

}

Referenced from: PCO_DclList (p. 1019)

PCO_DclList ::= SEQUENCE OF {

pco_Dcl	PCO_Dcl		--See page 1019

}

Referenced from: PCO_Dcls (p. 1019)

PCO_Dcls ::= SEQUENCE {

pco_DclList	PCO_DclList		--See page 1019
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: Declarations (p. 1014)

PCO_TypeDcl ::= SEQUENCE {

pco_TypeId	PCO_TypeId	FIELD	--See page 1065
p_Role	P_Role	FIELD	--See page 1063
comment	Comment	FIELD	--See page 1091

}

Referenced from: PCO_TypeDclList (p. 1019)

PCO_TypeDclList ::= SEQUENCE OF {

pco_TypeDcl	PCO_TypeDcl		--See page 1019

}

Referenced from: PCO_TypeDcls (p. 1019)

PCO_TypeDcls ::= SEQUENCE {

pco_TypeDclList	PCO_TypeDclList		--See page 1019
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: Declarations (p. 1014)

PDU_Constraints ::= SEQUENCE {

ttcn_PDU_Constraints	TTCN_PDU_Constraints	--See page 1034
asn1_PDU_Constraints	ASN1_PDU_Constraints	--See page 1007

}

Referenced from: ConstraintsPart (p. 1013)

PDU_FieldDcl ::= SEQUENCE {

pdu_FieldId	PDU_FieldId	FIELD	--See page 1066
pdu_FieldType	PDU_FieldType	FIELD	--See page 1066
pdu_FieldEncoding	PDU_FieldEncoding	FIELD	--See page 1065
comment	Comment	FIELD	--See page 1091

}

Referenced from: PDU_FieldDcls (p. 1020)

PDU_FieldDcls ::= SEQUENCE OF {

pdu_FieldDcl	PDU_FieldDcl	--See page 1020

}

Referenced from: TTCN_PDU_TypeDef (p. 1034)

PDU_FieldValue ::= SEQUENCE {

pdu_FieldId	PDU_FieldId	FIELD	--See page 1066
consValue	ConsValue	FIELD	--See page 1046
pdu_FieldEncoding	PDU_FieldEncoding	FIELD	--See page 1065
comment	Comment	FIELD	--See page 1091

}

Referenced from: PDU_FieldValues (p. 1020)

PDU_FieldValues ::= SEQUENCE OF {

pdu_FieldValue	PDU_FieldValue	--See page 1020

}

Referenced from: TTCN_PDU_Constraint (p. 1034)

PDU_TypeDefs ::= SEQUENCE {

ttcn_PDU_TypeDefs	TTCN_PDU_TypeDefs	--See page 1034
asn1_PDU_TypeDefs	ASN1_PDU_TypeDefs	--See page 1007
asn1_PDU_TypeDefsByRef	ASN1_PDU_TypeDefsByRef	--See page 1008

}

Referenced from: ComplexDefinitions (p. 1013)

RootTree ::= SEQUENCE OF {

behaviourLine	BehaviourLine		--See page 1011

}

Referenced from: BehaviourDescription (p. 1010)

SelectExprDef ::= SEQUENCE {

selectExprId	SelectExprId	FIELD	--See page 1071
selectExpr	SelectExpr	FIELD	--See page 1071
comment	Comment	FIELD	--See page 1091

}

Referenced from: SelectExprDefList (p. 1021)

SelectExprDefList ::= SEQUENCE OF {

selectExprDef	SelectExprDef		--See page 1021

}

Referenced from: SelectExprDefs (p. 1021)

SelectExprDefs ::= SEQUENCE {

selectExprDefList	SelectExprDefList		--See page 1021
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ParamAndSelection (p. 1018)

SimpleTypeDef ::= SEQUENCE {

simpleTypeId	SimpleTypeId	FIELD	--See page 1074
simpleTypeDefinition	SimpleTypeDefinition	FIELD	--See page 1074
pdu_FieldEncoding	PDU_FieldEncoding	FIELD	--See page 1065
comment	Comment	FIELD	--See page 1091

}

Referenced from: SimpleTypeDefList (p. 1021)

SimpleTypeDefList ::= SEQUENCE OF {

simpleTypeDef	SimpleTypeDef		--See page 1021

}

Referenced from: SimpleTypeDefs (p. 1022)

SimpleTypeDefs ::= SEQUENCE {

simpleTypeDefList	SimpleTypeDefList		--See page 1021
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TS_TypeDefs (p. 1031)

SO_CaseIndex ::= SEQUENCE {

SO_testGroupRef	SO_TestGroupRef	FIELD	--See page 1101
SO_testCaseId	SO_TestCaseId	FIELD	--See page 1101
SO_selExprId	SO_SelExprId	FIELD	--See page 1100
SO_description	SO_Description	FIELD	--See page 1100

}

Referenced from: SO_CaseIndexList (p. 1022)

SO_CaseIndexList ::= SEQUENCE OF {

SO_caseIndex	SO_CaseIndex		--See page 1022

}

Referenced from: TestCaseIndex (p. 1026)

SO_DefIndex ::= SEQUENCE {

SO_defaultRef	SO_DefaultRef	FIELD	--See page 1100
SO_defaultId	SO_DefaultId	FIELD	--See page 1100
SO_description	SO_Description	FIELD	--See page 1100

}

Referenced from: SO_DefIndexList (p. 1022)

SO_DefIndexList ::= SEQUENCE OF {

SO_defIndex	SO_DefIndex		--See page 1022

}

Referenced from: DefaultIndex (p. 1015)

SO_StepIndex ::= SEQUENCE {

SO_testStepRef	SO_TestStepRef	FIELD	--See page 1101
SO_testStepId	SO_TestStepId	FIELD	--See page 1101
SO_description	SO_Description	FIELD	--See page 1100

}

Referenced from: SO_StepIndexList (p. 1023)

SO_StepIndexList ::= SEQUENCE OF {

SO_stepIndex	SO_StepIndex		--See page 1022

}

Referenced from: TestStepIndex (p. 1028)

SO_StructureAndObjective ::= SEQUENCE {

SO_testGroupRef	SO_TestGroupRef	FIELD	--See page 1101
SO_selExprId	SO_SelExprId	FIELD	--See page 1100
SO_objective	SO_Objective	FIELD	--See page 1100

}

Referenced from: SO_StructureAndObjectives (p. 1023)

SO_StructureAndObjectives ::= SEQUENCE OF {

SO_structureAndObjective	SO_StructureAndObjective		--See page 1023

}

Referenced from: SuiteStructure (p. 1024)

StructTypeConstraint ::= SEQUENCE {

consId	ConsId	FIELD	--See page 1044
structId	StructId	FIELD	--See page 1076
derivPath	DerivPath	FIELD	--See page 1050
encVariationId	EncVariationId	FIELD	--See page 1052
comment	Comment	FIELD	--See page 1091
elemValues	ElemValues		--See page 1016
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: StructTypeConstraints (p. 1023)

StructTypeConstraints ::= SEQUENCE OF {

structTypeConstraint	StructTypeConstraint		--See page 1023

}

Referenced from: TS_TypeConstraints (p. 1031)

StructTypeDef ::= SEQUENCE {

structId	StructId	FIELD	--See page 1076
encVariationId	EncVariationId	FIELD	--See page 1052
comment	Comment	FIELD	--See page 1091
elemDcls	ElemDcls		--See page 1016
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: StructTypeDefs (p. 1024)

StructTypeDefs ::= SEQUENCE OF {

structTypeDef	StructTypeDef	--See page 1024

}

Referenced from: TS_TypeDefs (p. 1031)

SuiteOverviewPart ::= SEQUENCE {

suiteStructure	SuiteStructure	--See page 1024
testCaseIndex	TestCaseIndex	--See page 1026
testStepIndex	TestStepIndex	--See page 1028
defaultIndex	DefaultIndex	--See page 1015

}

Referenced from: ASuite (p. 1010)

SuiteStructure ::= SEQUENCE {

SO_suiteId	SO_SuiteId	FIELD	--See page 1075
SO_standardsRef	SO_StandardsRef	FIELD	--See page 1101
SO_picsRef	SO_PICSRef	FIELD	--See page 1100
SO_pixitRef	SO_PIXITRef	FIELD	--See page 1100
SO_testMethods	SO_TestMethods	FIELD	--See page 1101
comment	Comment	FIELD	--See page 1091
SO_structureAndObjectives	SO_StructureAndObjectives		--See page 1023
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: SuiteOverviewPart (p. 1024)

TC_VarDcl ::= SEQUENCE {

tc_VarId	TC_VarId	FIELD	--See page 1077
tc_VarType	TC_VarType	FIELD	--See page 1078
tc_VarValue	TC_VarValue	FIELD	--See page 1078
comment	Comment	FIELD	--See page 1091

}

Referenced from: TC_VarDclList (p. 1025)

TC_VarDclList ::= SEQUENCE OF {

tc_VarDcl	TC_VarDcl		--See page 1024

}

Referenced from: TC_VarDcls (p. 1025)

TC_VarDcls ::= SEQUENCE {

tc_VarDclList	TC_VarDclList		--See page 1025
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: Declarations (p. 1014)

TCompConfigDcl ::= SEQUENCE {

tcompConfigId	TCompConfigId	FIELD	--See page 1078
comment	Comment	FIELD	--See page 1091
tcompConfigInfoList	TCompConfigInfoList		--See page 1025
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TCompConfigDcls (p. 1025)

TCompConfigDcls ::= SEQUENCE OF {

tcompConfigDcl	TCompConfigDcl		--See page 1025

}

Referenced from: Declarations (p. 1014)

TCompConfigInfo ::= SEQUENCE {

tcompUsed	TCompUsed	FIELD	--See page 1078
pcos_Used	PCOs_Used	FIELD	--See page 1065
cps_Used	CPs_Used	FIELD	--See page 1047
comment	Comment	FIELD	--See page 1091

}

Referenced from: TCompConfigInfoList (p. 1025)

TCompConfigInfoList ::= SEQUENCE OF {

tcompConfigInfo	TCompConfigInfo		--See page 1025

}

Referenced from: TCompConfigDcl (p. 1025)

TCompDcl ::= SEQUENCE {

tcompId	TCompId	FIELD	--See page 1078
tc_Role	TC_Role	FIELD	--See page 1077
numOf_PCOs	NumOf_PCOs	FIELD	--See page 1062
numOf_CPs	NumOf_CPs	FIELD	--See page 1062
comment	Comment	FIELD	--See page 1091

}

Referenced from: TCompDclList (p. 1026)

TCompDclList ::= SEQUENCE OF {

tcompDcl	TCompDcl		--See page 1026

}

Referenced from: TCompDcls (p. 1026)

TCompDcls ::= SEQUENCE {

tcompDclList	TCompDclList		--See page 1026
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: Declarations (p. 1014)

TestCase ::= SEQUENCE {

testCaseId	TestCaseId	FIELD	--See page 1079
testGroupRef	TestGroupRef	FIELD	--See page 1079
testPurpose	TestPurpose	FIELD	--See page 1101
configuration	Configuration	OPTIONAL	--See page 1044
defaultsRef	DefaultsRef	OPTIONAL	--See page 1049
comment	Comment	FIELD	--See page 1091
selExprId	SelExprId	FIELD	--See page 1072
description	Description	FIELD	--See page 1091
behaviourDescription	BehaviourDescription		--See page 1010
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TestGroupOrTestCase (p. 1027)

TestCaseIndex ::= SEQUENCE {

SO_caseIndexList	SO_CaseIndexList		--See page 1022
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: SuiteOverviewPart (p. 1024)

TestCases ::= SEQUENCE {

testGroupOrTestCaseList	TestGroupOrTestCaseList		--See page 1027

}

Referenced from: DynamicPart (p. 1016)

TestGroup ::= SEQUENCE {

testGroupId	TestGroupId	FIELD	--See page 1079
selExprId	SelExprId	OPTIONAL	--See page 1072
objective	Objective	OPTIONAL	--See page 1098
testGroupOrTestCaseList	TestGroupOrTestCaseList		--See page 1027

}

Referenced from: TestGroupOrTestCase (p. 1027)

TestGroupOrTestCase ::= CHOICE {

testGroup	TestGroup	--See page 1027
testCase	TestCase	--See page 1026
compactTestGroup	CompactTestGroup	--See page 1013

}

Referenced from: TestGroupOrTestCaseList (p. 1027)

TestGroupOrTestCaseList ::= SEQUENCE OF {

testGroupOrTestCase	TestGroupOrTestCase	--See page 1027

}

Referenced from: TestCases (p. 1027) TestGroup (p. 1027)

TestStep ::= SEQUENCE {

testStepId	TestStepId	FIELD	--See page 1079
testStepRef	TestStepRef	FIELD	--See page 1080
objective	Objective	FIELD	--See page 1098
defaultsRef	DefaultsRef	FIELD	--See page 1049
comment	Comment	FIELD	--See page 1091
description	Description	FIELD	--See page 1091
behaviourDescription	BehaviourDescription		--See page 1010
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TestStepGroupOrTestStep (p. 1028)

TestStepGroup ::= SEQUENCE {

testStepGroupId	TestStepGroupId	FIELD	--See page 1079
testStepGroupOrTestStepList	TestStepGroupOrTestStepList		--See page 1028

}

Referenced from: TestStepGroupOrTestStep (p. 1028)

TestStepGroupOrTestStep ::= CHOICE {

testStepGroup	TestStepGroup	--See page 1028
testStep	TestStep	--See page 1027

}

Referenced from: TestStepGroupOrTestStepList (p. 1028)

TestStepGroupOrTestStepList ::= SEQUENCE OF {

testStepGroupOrTestStep	TestStepGroupOrTestStep	--See page 1028

}

Referenced from: TestStepLibrary (p. 1028) TestStepGroup (p. 1028)

TestStepIndex ::= SEQUENCE {

SO_stepIndexList	SO_StepIndexList		--See page 1023
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: SuiteOverviewPart (p. 1024)

TestStepLibrary ::= SEQUENCE {

testStepGroupOrTestStepList	TestStepGroupOrTestStepList		--See page 1028

}

Referenced from: DynamicPart (p. 1016)

TimerDcl ::= SEQUENCE {

timerId	TimerId	FIELD	--See page 1080
duration	Duration	FIELD	--See page 1050
unit	Unit	FIELD	--See page 1085
comment	Comment	FIELD	--See page 1091

}

Referenced from: TimerDclList (p. 1029)

TimerDclList ::= SEQUENCE OF {

timerDcl	TimerDcl		--See page 1028

}

Referenced from: TimerDcls (p. 1029)

TimerDcls ::= SEQUENCE {

timerDclList	TimerDclList		--See page 1029
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: Declarations (p. 1014)

TS_ConstDcl ::= SEQUENCE {

ts_ConstId	TS_ConstId	FIELD	--See page 1081
ts_ConstType	TS_ConstType	FIELD	--See page 1081
ts_ConstValue	TS_ConstValue	FIELD	--See page 1081
comment	Comment	FIELD	--See page 1091

}

Referenced from: TS_ConstDclList (p. 1029)

TS_ConstDclList ::= SEQUENCE OF {

ts_ConstDcl	TS_ConstDcl		--See page 1029

}

Referenced from: TS_ConstDcls (p. 1029)

TS_ConstDcls ::= SEQUENCE {

ts_ConstDclList	TS_ConstDclList		--See page 1029
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: Declarations (p. 1014)

TS_ConstRef ::= SEQUENCE {

ts_ConstId	TS_ConstId	FIELD	--See page 1081
ts_ConstType	TS_ConstType	FIELD	--See page 1081
asn1_ValueReference	ASN1_ValueReference	FIELD	--See page 1090
asn1_ModuleId	ASN1_ModuleId	FIELD	--See page 1090
comment	Comment	FIELD	--See page 1091
ts_ConstValue	TS_ConstValue	OPTIONAL	--See page 1081

}

Referenced from: TS_ConstRefList (p. 1030)

TS_ConstRefList ::= SEQUENCE OF {

ts_ConstRef	TS_ConstRef		--See page 1029

}

Referenced from: TS_ConstRefs (p. 1030)

TS_ConstRefs ::= SEQUENCE {

ts_ConstRefList	TS_ConstRefList		--See page 1030
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: Declarations (p. 1014)

TS_OpDef ::= SEQUENCE {

ts_OpId	TS_OpId	FIELD	--See page 1082
ts_OpResult	TS_OpResult	FIELD	--See page 1082
comment	Comment	FIELD	--See page 1091
ts_OpDescription	TS_OpDescription	FIELD	--See page 1102
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TS_OpDefs (p. 1030)

TS_OpDefs ::= SEQUENCE OF {

ts_OpDef	TS_OpDef		--See page 1030

}

Referenced from: Definitions (p. 1015)

TS_ParDcl ::= SEQUENCE {

ts_ParId	TS_ParId	FIELD	--See page 1082
ts_ParType	TS_ParType	FIELD	--See page 1082
pics_PIXITref	PICS_PIXITref	FIELD	--See page 1099
comment	Comment	FIELD	--See page 1091

}

Referenced from: TS_ParDclList (p. 1030)

TS_ParDclList ::= SEQUENCE OF {

ts_ParDcl	TS_ParDcl		--See page 1030

}

Referenced from: TS_ParDcls (p. 1031)

TS_ParDcls ::= SEQUENCE {

ts_ParDclList	TS_ParDclList		--See page 1030
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: ParamAndSelection (p. 1018)

TS_ProcDef ::= SEQUENCE {

ts_ProcId	TS_ProcId	FIELD	--See page 1082
ts_ProcResult	TS_ProcResult	FIELD	--See page 1083
comment	Comment	FIELD	--See page 1091
ts_ProcDescription	TS_ProcDescription	FIELD	--See page 1102
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TS_ProcDefs (p. 1031)

TS_ProcDefs ::= SEQUENCE OF {

ts_ProcDef	TS_ProcDef	--See page 1031

}

Referenced from: Definitions (p. 1015)

TS_TypeConstraints ::= SEQUENCE {

structTypeConstraints	StructTypeConstraints	--See page 1023
asn1_TypeConstraints	ASN1_TypeConstraints	--See page 1008

}

Referenced from: ConstraintsPart (p. 1013)

TS_TypeDefs ::= SEQUENCE {

simpleTypeDefs	SimpleTypeDefs	--See page 1022
structTypeDefs	StructTypeDefs	--See page 1024
asn1_TypeDefs	ASN1_TypeDefs	--See page 1008
asn1_TypeRefs	ASN1_TypeRefs	--See page 1009

}

Referenced from: Definitions (p. 1015)

TS_VarDcl ::= SEQUENCE {

ts_VarId	TS_VarId	FIELD	--See page 1083
ts_VarType	TS_VarType	FIELD	--See page 1083
ts_VarValue	TS_VarValue	OPTIONAL	--See page 1083
comment	Comment	FIELD	--See page 1091

}

Referenced from: TS_VarDclList (p. 1032)

TS_VarDclList ::= SEQUENCE OF {

ts_VarDcl	TS_VarDcl		--See page 1032

}

Referenced from: TS_VarDcls (p. 1032)

TS_VarDcls ::= SEQUENCE {

ts_VarDclList	TS_VarDclList		--See page 1032
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: Declarations (p. 1014)

TTCN_ASP_Constraint ::= SEQUENCE {

consId	ConsId	FIELD	--See page 1044
asp_Id	ASP_Id	FIELD	--See page 1038
derivPath	DerivPath	FIELD	--See page 1050
comment	Comment	FIELD	--See page 1091
asp_ParValues	ASP_ParValues		--See page 1010
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TTCN_ASP_Constraints (p. 1032)

TTCN_ASP_Constraints ::= SEQUENCE OF {

ttcn_ASP_Constraint	TTCN_ASP_Constraint		--See page 1032

}

Referenced from: ASP_Constraints (p. 1009)

TTCN_ASP_TypeDef ::= SEQUENCE {

asp_Id	ASP_Id	FIELD	--See page 1038
pco_Type	PCO_Type	FIELD	--See page 1065
comment	Comment	FIELD	--See page 1091
asp_ParDcls	ASP_ParDcls		--See page 1009
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TTCN_ASP_TypeDefs (p. 1033)

TTCN_ASP_TypeDefs ::= SEQUENCE OF {

ttcn_ASP_TypeDef	TTCN_ASP_TypeDef		--See page 1033

}

Referenced from: ASP_TypeDefs (p. 1010)

TTCN_CM_Constraint ::= SEQUENCE {

consId	ConsId	FIELD	--See page 1044
cm_Id	CM_Id	FIELD	--See page 1043
derivPath	DerivPath	FIELD	--See page 1050
comment	Comment	FIELD	--See page 1091
cm_ParValues	CM_ParValues		--See page 1012
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TTCN_CM_Constraints (p. 1033)

TTCN_CM_Constraints ::= SEQUENCE OF {

ttcn_CM_Constraint	TTCN_CM_Constraint		--See page 1033

}

Referenced from: CM_Constraints (p. 1011)

TTCN_CM_TypeDef ::= SEQUENCE {

cm_Id	CM_Id	FIELD	--See page 1043
comment	Comment	FIELD	--See page 1091
cm_ParDcls	CM_ParDcls		--See page 1011
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TTCN_CM_TypeDefs (p. 1034)

TTCN_CM_TypeDefs ::= SEQUENCE OF {

ttcn_CM_TypeDef	TTCN_CM_TypeDef		--See page 1033

}

Referenced from: CM_TypeDefs (p. 1012)

TTCN_PDU_Constraint ::= SEQUENCE {

consId	ConsId	FIELD	--See page 1044
pdu_Id	PDU_Id	FIELD	--See page 1066
derivPath	DerivPath	FIELD	--See page 1050
encRuleId	EncRuleId	FIELD	--See page 1052
encVariationId	EncVariationId	FIELD	--See page 1052
comment	Comment	FIELD	--See page 1091
pdu_FieldValues	PDU_FieldValues		--See page 1020
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TTCN_PDU_Constraints (p. 1034)

TTCN_PDU_Constraints ::= SEQUENCE OF {

ttcn_PDU_Constraint	TTCN_PDU_Constraint		--See page 1034

}

Referenced from: PDU_Constraints (p. 1020)

TTCN_PDU_TypeDef ::= SEQUENCE {

pdu_Id	PDU_Id	FIELD	--See page 1066
pco_Type	PCO_Type	FIELD	--See page 1065
pdu_EncodingId	PDU_EncodingId	FIELD	--See page 1065
encVariationId	EncVariationId	FIELD	--See page 1052
comment	Comment	FIELD	--See page 1091
pdu_FieldDcls	PDU_FieldDcls		--See page 1020
detailedComment	DetailedComment	FIELD	--See page 1092

}

Referenced from: TTCN_PDU_TypeDefs (p. 1034)

TTCN_PDU_TypeDefs ::= SEQUENCE OF {

ttcn_PDU_TypeDef	TTCN_PDU_TypeDef		--See page 1034

}

Referenced from: PDU_TypeDefs (p. 1020)

Parse Tree Nodes

This section contains all nodes within the Parse Trees. The Parse Trees are the output of the Analyzer, and they are a representation of whatever code the Test Suite writer put into the fields. Being user written, this part is much less well behaved than, say, the Static part, nodes may or may not be present, fields may or may not be well analyzed and some nodes have different children in different places in the Parse Tree (choices). All this is well specified however, using the mechanisms of is_present, is_analyzed (for tables) and the choice member function, but it is up to the user of TTCN Access to be aware of these constructs.

Activate ::= SEQUENCE {

defaultRefList	DefaultRefList	--See page 1049

}

Referenced from: Construct (p. 1046)

ActualCrefParList ::= SEQUENCE OF {

constraintValueAndAttributes	ConstraintValueAndAttributes	--See page 1046

}

Referenced from: ConsRef (p. 1045)

ActualParList ::= SEQUENCE OF {

constraintValueAndAttributes	ConstraintValueAndAttributes	--See page 1046

}

Referenced from: EncVariationCall (p. 1052) InvalidFieldEncodingCall (p. 1056) DefaultReference (p. 1049) Attach (p. 1039) CreateAttach (p. 1047) OpCall (p. 1063)

AddExpression ::= SEQUENCE {

simpleExpression	SimpleExpression	--See page 1073
addOp	AddOp	--See page 1035
term	Term	--See page 1079

}

Referenced from: SimpleExpression (p. 1073)

AddOp ::= CHOICE {

plus	Plus	--See page 1099
minus	Minus	--See page 1096
or	Or	--See page 1098

}

Referenced from: AddExpression (p. 1035)

AliasId ::= SEQUENCE {

aliasIdentifier	Identifier	--See page 1094

}

Referenced from: AliasDef (p. 1004)

AlternativeTypeList ::= SEQUENCE OF {

namedType	NamedType	--See page 1061

}

Referenced from: ChoiceType (p. 1042)

AnyDefinedBy ::= SEQUENCE {

identifier	Identifier	--See page 1094

}

Referenced from: AnyType (p. 1036)

AnyType ::= CHOICE {

any	ANY	--See page 1089
anyDefinedBy	AnyDefinedBy	--See page 1036

}

Referenced from: BuiltinType (p. 1041)

AnyValue ::= SEQUENCE {

referenceType	ReferenceType	--See page 1069
constraintValueAndAttributes	ConstraintValueAndAttributes	--See page 1046

}

Referenced from: ASN1_Value (p. 1038)

ArrayRef ::= SEQUENCE {

componentNumber	ComponentNumber	--See page 1044

}

Referenced from: ComponentReference (p. 1044)

ArrayRefOrComp ::= CHOICE {

componentIdentifier	ComponentIdentifier	--See page 1043
bitRef	BitRef	--See page 1040
componentPosition	ComponentPosition	--See page 1044

}

Referenced from: ReferenceList (p. 1069)

ASN1_ConsValue ::= SEQUENCE {
constraintValueAndAttributesOrReplaceConstraintValueAndAttributesOrReplace--See page 1046
}
Referenced from: ASN1_TypeConstraint (p. 1008) ASN1_ASP_Constraint (p. 1004) ASN1_PDU_Constraint (p. 1006) ASN1_CM_Constraint (p. 1006)

ASN1_LocalTypes ::= SEQUENCE {

typeAssignmentList	TypeAssignmentList	--See page 1084

}
Referenced from: ASN1_TypeAndLocalTypes (p. 1037)

ASN1_Type ::= CHOICE {

builtinType	BuiltinType	--See page 1041
definedType	DefinedType	--See page 1049
subType	SubType	--See page 1076

}
Referenced from: ASN1_TypeAndLocalTypes (p. 1037) ComponentsOf (p. 1044) NamedType (p. 1061) SequenceOfType (p. 1072) SetOfType (p. 1073) SelectionType (p. 1071) TaggedType (p. 1077) ContainedSubType (p. 1046) ParentType (p. 1064) SetSubType (p. 1073) SequenceSubType (p. 1072) TypeAssignment (p. 1084)

ASN1_TypeAndLocalTypes ::= SEQUENCE {

asn1_Type	ASN1_Type	--See page 1037
asn1_LocalTypes	ASN1_LocalTypes	--See page 1037

}
Referenced from: ASN1_TypeDefinition (p. 1037)

ASN1_TypeDefinition ::= SEQUENCE {

asn1_TypeAndLocalTypes	ASN1_TypeAndLocalTypes	--See page 1037

}
Referenced from: ASN1_TypeDef (p. 1008) ASN1_TypeRef (p. 1009) ASN1_ASP_TypeDef (p. 1005) ASN1_ASP_TypeDefByRef (p. 1005) ASN1_PDU_TypeDef (p. 1007) ASN1_PDU_TypeDefByRef (p. 1007) ASN1_CM_TypeDef (p. 1006)

ASN1_TypeId ::= SEQUENCE {

asn1_TypeIdentifier	Identifier		--See page 1094
fullIdentifier	FullIdentifier	OPTIONAL	--See page 1093

}

Referenced from: ASN1_TypeDef (p. 1008) ASN1_TypeRef (p. 1009) ASN1_TypeConstraint (p. 1008)

ASN1_Value ::= CHOICE {

bitStringValue	BitStringValue	--See page 1040
nullValue	NullValue	--See page 1097
sequenceValue	SequenceValue	--See page 1072
sequenceOfValue	SequenceOfValue	--See page 1072
setValue	SetValue	--See page 1073
setOfValue	SetOfValue	--See page 1073
choiceValue	ChoiceValue	--See page 1042
selectionValue	SelectionValue	--See page 1071
anyValue	AnyValue	--See page 1036
objectIdentifierValue	ObjectIdentifierValue	--See page 1062
realValue	RealValue	--See page 1069

}

Referenced from: Value (p. 1086)

ASN1_ValueList ::= SEQUENCE OF {

constraintValueAndAttributes	ConstraintValueAndAttributes	--See page 1046

}

Referenced from: SequenceOfValue (p. 1072) SetOfValue (p. 1073)

ASP_Id ::= SEQUENCE {

asp_IdAndFullId	ASP_IdAndFullId	--See page 1038

}

Referenced from: TTCN_ASP_TypeDef (p. 1033) ASN1_ASP_TypeDef (p. 1005) ASN1_ASP_TypeDefByRef (p. 1005) TTCN_ASP_Constraint (p. 1032) ASN1_ASP_Constraint (p. 1004)

ASP_IdAndFullId ::= SEQUENCE {

asp_Identifier	Identifier		--See page 1094
fullIdentifier	FullIdentifier	OPTIONAL	--See page 1093

}

Referenced from: ASP_Id (p. 1038)

ASP_ParId ::= SEQUENCE {
    asp_ParIdOrMacro ASP_ParIdOrMacro --See page 1039
}
Referenced from: ASP_ParDcl (p. 1009) ASP_ParValue (p. 1010)

ASP_ParIdAndFullId ::= SEQUENCE {
    asp_ParIdentifier Identifier --See page 1094
    fullIdentifier FullIdentifier OPTIONAL --See page 1093
}
Referenced from: ASP_ParIdOrMacro (p. 1039)

ASP_ParIdOrMacro ::= CHOICE {
    asp_ParIdAndFullId ASP_ParIdAndFullId --See page 1039
    macroSymbol MacroSymbol --See page 1096
}
Referenced from: ASP_ParId (p. 1039)

ASP_ParType ::= SEQUENCE {
    typeAndAttributes TypeAndAttributes --See page 1083
}
Referenced from: ASP_ParDcl (p. 1009)

Assignment ::= SEQUENCE {
    dataObjectReference DataObjectReference --See page 1048
    expression Expression --See page 1054
}
Referenced from: AssignmentList (p. 1039)

AssignmentList ::= SEQUENCE OF {
    assignment Assignment --See page 1039
}
Referenced from: EventStatement (p. 1053)

Attach ::= SEQUENCE {
    treeReference TreeReference --See page 1081
    actualParList ActualParList --See page 1035
}
Referenced from: TestStepAttachment (p. 1079) Construct (p. 1046) Repeat (p. 1070)

Base ::= CHOICE {
    two Two --See page 1102
    ten Ten --See page 1101
}
Referenced from: NumericRealValue (p. 1062)

BitIdentifier ::= SEQUENCE {
    identifier Identifier --See page 1094
}
Referenced from: BitRef (p. 1040)

BitNumber ::= SEQUENCE {
    expression Expression --See page 1054
}
Referenced from: BitRef (p. 1040)

BitRef ::= CHOICE {
    bitIdentifier BitIdentifier --See page 1040
    bitNumber BitNumber --See page 1040
}
Referenced from: ArrayRefOrComp (p. 1036) ComponentReference (p. 1044)

BitStringType ::= SEQUENCE {
    namedBitList NamedBitList --See page 1060
}
Referenced from: BuiltinType (p. 1041)

BitStringValue ::= SEQUENCE {
    identifierList IdentifierList --See page 1055
}
Referenced from: ASN1_Value (p. 1038)

BooleanValue ::= CHOICE {
    Atrue ATrue --See page 1090
    Afalse AFalse --See page 1089
}
Referenced from: LiteralValue (p. 1058)

Bound ::= CHOICE {

number	Number	--See page 1097
identifier	Identifier	--See page 1094

}

Referenced from: SingleLength (p. 1074) LowerBound (p. 1058) UpperBound (p. 1085)

BuiltinType ::= CHOICE {

booleanType	BooleanType	--See page 1090
integerType	IntegerType	--See page 1056
bitStringType	BitStringType	--See page 1040
octetStringType	OctetStringType	--See page 1098
nullType	NullType	--See page 1097
sequenceType	SequenceType	--See page 1072
sequenceOfType	SequenceOfType	--See page 1072
setType	SetType	--See page 1073
setOfType	SetOfType	--See page 1073
choiceType	ChoiceType	--See page 1042
selectionType	SelectionType	--See page 1071
taggedType	TaggedType	--See page 1077
anyType	AnyType	--See page 1036
objectIdentifierType	ObjectIdentifierType	--See page 1098
characterString	CharacterString	--See page 1042
usefulType	UsefulType	--See page 1086
enumeratedType	EnumeratedType	--See page 1052
realType	RealType	--See page 1100

}

Referenced from: ASN1_Type (p. 1037)

CancelTimer ::= SEQUENCE {

timerIdentifier	Identifier	OPTIONAL	--See page 1094

}

Referenced from: TimerOp (p. 1080)

CharacterString ::= CHOICE {

numericString	NumericString	--See page 1097
printableString	PrintableString	--See page 1099
teletexString	TeletexString	--See page 1101
videotexString	VideotexString	--See page 1102
visibleString	VisibleString	--See page 1102
ia5String	IA5String	--See page 1093
graphicString	GraphicString	--See page 1093
generalString	GeneralString	--See page 1093
t61String	T61String	--See page 1101
iso646String	ISO646String	--See page 1095

}

Referenced from: PredefinedType (p. 1067) BuiltinType (p. 1041)

ChoiceType ::= SEQUENCE {

alternativeTypeList	AlternativeTypeList	--See page 1036

}

Referenced from: BuiltinType (p. 1041)

ChoiceValue ::= SEQUENCE {

namedValue	NamedValue	--See page 1061

}

Referenced from: ASN1_Value (p. 1038)

ClassNumber ::= CHOICE {

number	Number	--See page 1097
definedValue	DefinedValue	--See page 1049

}

Referenced from: Tag (p. 1077)

ClassType ::= CHOICE {

universal	UNIVERSAL	--See page 1102
application	APPLICATION	--See page 1090
private_	PRIVATE_	--See page 1099

}

Referenced from: Tag (p. 1077)

CM_Id ::= SEQUENCE {

cm_Identifier	Identifier		--See page 1094

}

Referenced from: TTCN_CM_TypeDef (p. 1033) ASN1_CM_TypeDef (p. 1006)
TTCN_CM_Constraint (p. 1033) ASN1_CM_Constraint (p. 1006)

CM_ParId ::= SEQUENCE {

cm_ParIdOrMacro	CM_ParIdOrMacro		--See page 1043

}

Referenced from: CM_ParDcl (p. 1011) CM_ParValue (p. 1012)

CM_ParIdAndFullId ::= SEQUENCE {

cm_ParIdentifier	Identifier		--See page 1094
fullIdentifier	FullIdentifier	OPTIONAL	--See page 1093

}

Referenced from: CM_ParIdOrMacro (p. 1043)

CM_ParIdOrMacro ::= CHOICE {

cm_ParIdAndFullId	CM_ParIdAndFullId	--See page 1043
macroSymbol	MacroSymbol	--See page 1096

}

Referenced from: CM_ParId (p. 1043)

CM_ParType ::= SEQUENCE {

typeAndAttributes	TypeAndAttributes	--See page 1083

}

Referenced from: CM_ParDcl (p. 1011)

Complement ::= SEQUENCE {

valueList	ValueList	--See page 1087

}

Referenced from: MatchingSymbol (p. 1059)

ComponentIdentifier ::= SEQUENCE {

identifier	Identifier	--See page 1094

}

Referenced from: ArrayRefOrComp (p. 1036) RecordRef (p. 1069)

ComponentNumber ::= SEQUENCE {
    expression Expression --See page 1054
}
Referenced from: ArrayRef (p. 1036)

ComponentPosition ::= SEQUENCE {
    number Number --See page 1097
}
Referenced from: ArrayRefOrComp (p. 1036)

ComponentReference ::= CHOICE {
    recordRef RecordRef --See page 1069
    arrayRef ArrayRef --See page 1036
    bitRef BitRef --See page 1040
}
Referenced from: ComponentReferenceList (p. 1044)

ComponentReferenceList ::= SEQUENCE OF {
    componentReference ComponentReference --See page 1044
}
Referenced from: ReferenceList (p. 1069) DataObjectReference (p. 1048)

ComponentsOf ::= SEQUENCE {
    asn1_Type ASN1_Type --See page 1037
}
Referenced from: ElementType (p. 1050)

Configuration ::= SEQUENCE {
    tcompConfigIdentifier Identifier --See page 1094
}
Referenced from: TestCase (p. 1026)

ConsId ::= SEQUENCE {
    consIdAndParList ConsIdAndParList --See page 1045
}
Referenced from: StructTypeConstraint (p. 1023) ASN1_TypeConstraint (p. 1008)
TTCN_ASP_Constraint (p. 1032) TTCN_PDU_Constraint (p. 1034)
ASN1_ASP_Constraint (p. 1004) ASN1_PDU_Constraint (p. 1006)
TTCN_CM_Constraint (p. 1033) ASN1_CM_Constraint (p. 1006)

ConsIdAndParList ::= SEQUENCE {

constraintIdentifier	Identifier		--See page 1094
formalParList	FormalParList		--See page 1054

}

Referenced from: ConsId (p. 1044)

ConsRef ::= SEQUENCE {

constraintIdentifier	Identifier		--See page 1094
actualCrefParList	ActualCrefParList		--See page 1035

}

Referenced from: ConstraintReference (p. 1045) ConstraintValue (p. 1045) Primary (p. 1068)

Constraint ::= SEQUENCE {

valueConstraint	ValueConstraint	OPTIONAL	--See page 1087
presenceConstraint	PresenceConstraint	OPTIONAL	--See page 1067

}

Referenced from: NamedConstraint (p. 1060)

ConstraintExpression ::= SEQUENCE {

expression	Expression	--See page 1054

}

Referenced from: ConstraintValue (p. 1045) LowerRangeBound (p. 1058) UpperRangeBound (p. 1085)

ConstraintReference ::= CHOICE {

consRef	ConsRef	--See page 1045
formalParIdentifier	Identifier	--See page 1094

}

Referenced from: Cref (p. 1048)

ConstraintValue ::= CHOICE {

constraintExpression	ConstraintExpression	--See page 1045
matchingSymbol	MatchingSymbol	--See page 1059
consRef	ConsRef	--See page 1045

}

Referenced from: ConstraintValueAndAttributes (p. 1046)

ConstraintValueAndAttributes ::= SEQUENCE {

constraintValue	ConstraintValue		--See page 1045
valueAttributes	ValueAttributes	OPTIONAL	--See page 1086

}

Referenced from: ConsValue (p. 1046) ConstraintValueAndAttributesOrReplace (p. 1046) Replace (p. 1070) ActualCrefParList (p. 1035) ValueList (p. 1087) SuperSet (p. 1077) SubSet (p. 1076) ActualParList (p. 1035) SingleValue (p. 1075) UpperEndValue (p. 1085) LowerEndValue (p. 1058) ASN1_ValueList (p. 1038) AnyValue (p. 1036) NamedValue (p. 1061) DefaultValue (p. 1049)

ConstraintValueAndAttributesOrReplace ::= CHOICE {

constraintValueAndAttributes	ConstraintValueAndAttributes	--See page 1046
replacementList	ReplacementList	--See page 1070

}

Referenced from: ASN1_ConsValue (p. 1037)

Construct ::= CHOICE {

goTo	GoTo	--See page 1055
attach	Attach	--See page 1039
repeat	Repeat	--See page 1070
return_	RETURN_	--See page 1100
activate	Activate	--See page 1035
create	Create	--See page 1047

}

Referenced from: StatementLine (p. 1075)

ConsValue ::= SEQUENCE {

constraintValueAndAttributes	ConstraintValueAndAttributes	--See page 1046

}

Referenced from: ElemValue (p. 1016) ASP_ParValue (p. 1010) PDU_FieldValue (p. 1020) CM_ParValue (p. 1012)

ContainedSubType ::= SEQUENCE {

asn1_Type	ASN1_Type	--See page 1037

}

Referenced from: SubtypeValueSet (p. 1076)

CP_Id ::= SEQUENCE {

cp_Identifier	Identifier	--See page 1094

}

Referenced from: CP_Dcl (p. 1013)

CP_List ::= SEQUENCE OF {

cp_Identifier	Identifier	--See page 1094

}

Referenced from: CPs_Used (p. 1047)

CPs_Used ::= SEQUENCE {

cp_List	CP_List	--See page 1047

}

Referenced from: TCompConfigInfo (p. 1025)

Create ::= SEQUENCE {

createList	CreateList	--See page 1047

}

Referenced from: Construct (p. 1046)

CreateAttach ::= SEQUENCE {

treeReference	TreeReference	--See page 1081
actualParList	ActualParList	--See page 1035

}

Referenced from: CreateTComp (p. 1047)

CreateList ::= SEQUENCE OF {

createTComp	CreateTComp	--See page 1047

}

Referenced from: Create (p. 1047)

CreateTComp ::= SEQUENCE {

tcompIdentifier	Identifier	--See page 1094
createAttach	CreateAttach	--See page 1047

}

Referenced from: CreateList (p. 1047)

Cref ::= SEQUENCE {
    constraintReference   ConstraintReference   --See page 1045
}
Referenced from: BehaviourLine (p. 1011)

DataObjectReference ::= SEQUENCE {
    dataObjectIdentifier   Identifier   --See page 1094
    componentReferenceList   ComponentReferenceList   --See page 1044
}
Referenced from: Assignment (p. 1039) ReadTimer (p. 1069) Primary (p. 1068)

DeclarationValue ::= SEQUENCE {
    expression   Expression   --See page 1054
}
Referenced from: TS_ConstValue (p. 1081) TS_VarValue (p. 1083) TC_VarValue (p. 1078) Duration (p. 1050)

DefaultExpression ::= SEQUENCE {
    expression   Expression   --See page 1054
}
Referenced from: EncodingDefault (p. 1051)

DefaultGroupId ::= SEQUENCE {
    defaultGroupIdentifier   Identifier   --See page 1094
}
Referenced from: DefaultGroup (p. 1015)

DefaultId ::= SEQUENCE {
    defaultIdAndParList   DefaultIdAndParList   --See page 1048
}
Referenced from: DefaultCase (p. 1014)

DefaultIdAndParList ::= SEQUENCE {
    defaultIdentifier   Identifier   --See page 1094
    formalParList   FormalParList   --See page 1054
}
Referenced from: DefaultId (p. 1048)

DefaultRef ::= SEQUENCE {
    defaultGroupReference DefaultGroupReference --See page 1091
}
Referenced from: DefaultCase (p. 1014)

DefaultReference ::= SEQUENCE {
    defaultIdentifier Identifier --See page 1094
    actualParList ActualParList --See page 1035
}
Referenced from: DefaultRefList (p. 1049)

DefaultRefList ::= SEQUENCE OF {
    defaultReference DefaultReference --See page 1049
}
Referenced from: DefaultsRef (p. 1049) Activate (p. 1035)

DefaultsRef ::= SEQUENCE {
    defaultRefList DefaultRefList --See page 1049
}
Referenced from: CompactTestGroup (p. 1013) TestCase (p. 1026) TestStep (p. 1027)

DefaultValue ::= SEQUENCE {
    constraintValueAndAttributes ConstraintValueAndAttributes --See page 1046
}
Referenced from: NamedTypeAttribute (p. 1061)

DefinedType ::= SEQUENCE {
    identifier Identifier --See page 1094
}
Referenced from: ASN1_Type (p. 1037)

DefinedValue ::= SEQUENCE {
    identifier Identifier --See page 1094
}
Referenced from: ClassNumber (p. 1042)

DerivationPath ::= SEQUENCE OF {
    constraintIdentifier   Identifier   --See page 1094
}
Referenced from: DerivPath (p. 1050)

DerivPath ::= SEQUENCE {
    derivationPath   DerivationPath   --See page 1050
}
Referenced from: StructTypeConstraint (p. 1023) ASN1_TypeConstraint (p. 1008) TTCN_ASP_Constraint (p. 1032) TTCN_PDU_Constraint (p. 1034) ASN1_ASP_Constraint (p. 1004) ASN1_PDU_Constraint (p. 1006) TTCN_CM_Constraint (p. 1033) ASN1_CM_Constraint (p. 1006)

Done ::= SEQUENCE {
    tcompIdList   TCompIdList   --See page 1078
}
Referenced from: Event (p. 1053)

Duration ::= SEQUENCE {
    declarationValue   DeclarationValue   --See page 1048
}
Referenced from: TimerDcl (p. 1028)

ElementType ::= CHOICE {
    namedTypeAndAttributes   NamedTypeAndAttributes   --See page 1061
    componentsOf   ComponentsOf   --See page 1044
}
Referenced from: ElementTypeList (p. 1050)

ElementTypeList ::= SEQUENCE OF {
    elementType   ElementType   --See page 1050
}
Referenced from: SequenceType (p. 1072) SetType (p. 1073)

ElementValueList ::= SEQUENCE OF {
    namedValue   NamedValue   --See page 1061
}
Referenced from: SequenceValue (p. 1072) SetValue (p. 1073)

ElemId ::= SEQUENCE {
    elemIdAndFullId ElemIdAndFullId --See page 1051
}
Referenced from: ElemDcl (p. 1016) ElemValue (p. 1016)

ElemIdAndFullId ::= SEQUENCE {
    elemIdentifier Identifier --See page 1094
    fullIdentifier FullIdentifier OPTIONAL --See page 1093
}
Referenced from: ElemId (p. 1051)

ElemType ::= SEQUENCE {
    typeAndAttributes TypeAndAttributes --See page 1083
}
Referenced from: ElemDcl (p. 1016)

EncodingDefault ::= SEQUENCE {
    defaultExpression DefaultExpression --See page 1048
}
Referenced from: EncodingDefinition (p. 1016)

EncodingRef ::= SEQUENCE {
    encodingReference EncodingReference --See page 1092
}
Referenced from: EncodingDefinition (p. 1016)

EncodingRuleId ::= SEQUENCE {
    encodingRuleIdentifier Identifier --See page 1094
}
Referenced from: EncodingDefinition (p. 1016) EncodingVariationSet (p. 1018)

EncodingVariationId ::= SEQUENCE {
    encVariationIdAndParList EncVariationIdAndParList --See page 1052
}
Referenced from: EncodingVariation (p. 1017)

EncRuleId ::= SEQUENCE {
    encodingRuleIdentifier Identifier --See page 1094
}
Referenced from: TTCN_PDU_Constraint (p. 1034) ASN1_PDU_Constraint (p. 1006)

EncVariationCall ::= SEQUENCE {
    encVariationIdentifier Identifier --See page 1094
    actualParList ActualParList --See page 1035
}
Referenced from: PDU_FieldEncodingCall (p. 1066) EncVariationId (p. 1052)

EncVariationId ::= SEQUENCE {
    encVariationCall EncVariationCall --See page 1052
}
Referenced from: StructTypeDef (p. 1024) ASN1_TypeDef (p. 1008) ASN1_TypeRef (p. 1009) TTCN_PDU_TypeDef (p. 1034) ASN1_PDU_TypeDef (p. 1007) ASN1_PDU_TypeDefByRef (p. 1007) StructTypeConstraint (p. 1023) ASN1_TypeConstraint (p. 1008) TTCN_PDU_Constraint (p. 1034) ASN1_PDU_Constraint (p. 1006)

EncVariationIdAndParList ::= SEQUENCE {
    encVariationIdentifier Identifier --See page 1094
    formalParList FormalParList --See page 1054
}
Referenced from: EncodingVariationId (p. 1051)

EnumeratedType ::= SEQUENCE {
    enumeration Enumeration --See page 1052
}
Referenced from: BuiltinType (p. 1041)

Enumeration ::= SEQUENCE OF {
    namedNumber NamedNumber --See page 1060
}
Referenced from: EnumeratedType (p. 1052)

Event ::= CHOICE {

send	Send		--See page 1072
receive	Receive		--See page 1069
otherwise	Otherwise		--See page 1063
timeout	Timeout		--See page 1080
done	Done		--See page 1050

}

Referenced from: EventStatement (p. 1053)

EventStatement ::= SEQUENCE {

event	Event	OPTIONAL	--See page 1053
qualifier	Qualifier	OPTIONAL	--See page 1068
assignmentList	AssignmentList		--See page 1039
timerOps	TimerOps		--See page 1080

}

Referenced from: StatementLine (p. 1075)

ExpandedId ::= SEQUENCE {

expansion	Expansion		--See page 1053

}

Referenced from: AliasDef (p. 1004)

Expansion ::= SEQUENCE {

identifier	Identifier		--See page 1094

}

Referenced from: ExpandedId (p. 1053)

Exponent ::= CHOICE {

signedNumber	SignedNumber		--See page 1073
number	Number		--See page 1097

}

Referenced from: NumericRealValue (p. 1062)

Expression ::= CHOICE {

relExpression	RelExpression	--See page 1070
simpleExpression	SimpleExpression	--See page 1073

}

Referenced from: VariationDefault (p. 1087) SelectionExpression (p. 1071) DeclarationValue (p. 1048) Assignment (p. 1039) Qualifier (p. 1068) TimerValue (p. 1080) ConstraintExpression (p. 1045) DefaultExpression (p. 1048) ParenExpression (p. 1064) ComponentNumber (p. 1044) BitNumber (p. 1040)

Factor ::= CHOICE {

unaryExpression	UnaryExpression	--See page 1084
primary	Primary	--See page 1068

}

Referenced from: Term (p. 1079) MultExpression (p. 1059)

Fail ::= CHOICE {

fail	FAIL	--See page 1092
preliminaryFAIL	PreliminaryFAIL	--See page 1099

}

Referenced from: Verdict (p. 1088)

FormalParAndType ::= SEQUENCE {

formalParIdList	FormalParIdList	--See page 1054
formalParType	FormalParType	--See page 1055

}

Referenced from: FormalParList (p. 1054)

FormalParIdList ::= SEQUENCE OF {

formalParIdentifier	Identifier	--See page 1094

}

Referenced from: FormalParAndType (p. 1054)

FormalParList ::= SEQUENCE OF {

formalParAndType	FormalParAndType	--See page 1054

}

Referenced from: EncVariationIdAndParList (p. 1052) InvalidFieldEncodingIdAndParList (p. 1057) TS_OpIdAndParList (p. 1082) TS_ProcIdAndParList (p. 1082) ConsIdAndParList (p. 1045) TreeHeader (p. 1081) TestStepIdAndParList (p. 1080) DefaultIdAndParList (p. 1048)

FormalParType ::= CHOICE {

ttcn_Type	TTCN_Type	--See page 1083
pdu	PDU	--See page 1098
cp	CP	--See page 1091
timer	TIMER	--See page 1102

}

Referenced from: FormalParAndType (p. 1054)

FullSpecification ::= SEQUENCE {

typeConstraints	TypeConstraints	--See page 1084

}

Referenced from: MultipleTypeConstraints (p. 1059)

GoTo ::= SEQUENCE {

label	Label	--See page 1057

}

Referenced from: Construct (p. 1046)

Header ::= SEQUENCE {

treeHeader	TreeHeader	--See page 1081

}

Referenced from: LocalTree (p. 1018)

IdentifierList ::= SEQUENCE OF {

identifier	Identifier	--See page 1094

}

Referenced from: BitStringValue (p. 1040)

IdOrNum ::= CHOICE {

identifier	Identifier	--See page 1094
number	Number	--See page 1097
signedNumber	SignedNumber	--See page 1073

}

Referenced from: NamedNumber (p. 1060)

ImplicitSend ::= SEQUENCE {

identifier	Identifier	--See page 1094

}

Referenced from: StatementLine (p. 1075)

Inconclusive ::= CHOICE {

inconc	INCONC	--See page 1095
preliminaryINCONC	PreliminaryINCONC	--See page 1099

}

Referenced from: Verdict (p. 1088)

Indentation ::= SEQUENCE {

number	Number	--See page 1097

}

Referenced from: Line (p. 1057)

InnerTypeConstraints ::= CHOICE {

withComponent	WithComponent	--See page 1088
withComponents	WithComponents	--See page 1088

}

Referenced from: SubtypeValueSet (p. 1076)

IntegerRange ::= SEQUENCE {

lowerTypeBound	LowerTypeBound	--See page 1058
upperTypeBound	UpperTypeBound	--See page 1086

}

Referenced from: Restriction (p. 1071)

IntegerType ::= SEQUENCE {

namedNumberList	NamedNumberList	--See page 1061

}

Referenced from: BuiltinType (p. 1041)

InvalidFieldEncodingCall ::= SEQUENCE {

invalidFieldEncodingIdentifier	Identifier	--See page 1094
actualParList	ActualParList	--See page 1035

}

Referenced from: PDU_FieldEncodingCall (p. 1066)

InvalidFieldEncodingId ::= SEQUENCE {

invalidFieldEncodingIdAndParList	InvalidFieldEncodingIdAndParList	--See page 1057

}

Referenced from: InvalidFieldEncodingDef (p. 1018)

InvalidFieldEncodingIdAndParList ::= SEQUENCE {

invalidFieldEncodingIdentifier	Identifier	--See page 1094
formalParList	FormalParList	--See page 1054

}

Referenced from: InvalidFieldEncodingId (p. 1056)

Label ::= SEQUENCE {

identifier	Identifier	--See page 1094

}

Referenced from: LabelId (p. 1057) GoTo (p. 1055)

LabelId ::= SEQUENCE {

label	Label	--See page 1057

}

Referenced from: BehaviourLine (p. 1011)

LengthAttribute ::= CHOICE {

singleLength	SingleLength	--See page 1074
rangeLength	RangeLength	--See page 1068

}

Referenced from: TypeAndLengthAttribute (p. 1084)

LengthRestriction ::= CHOICE {

singleTypeLength	SingleTypeLength	--See page 1074
rangeTypeLength	RangeTypeLength	--See page 1068

}

Referenced from: Restriction (p. 1071)

Line ::= SEQUENCE {

indentation	Indentation	--See page 1056
statementLine	StatementLine	--See page 1075

}

Referenced from: BehaviourLine (p. 1011)

LineNumber ::= SEQUENCE {

number	Number	--See page 1097

}

Referenced from: BehaviourLine (p. 1011)

LiteralValue ::= CHOICE {

number	Number		--See page 1097
booleanValue	BooleanValue		--See page 1040
bstring	Bstring		--See page 1090
hstring	Hstring		--See page 1093
ostring	Ostring		--See page 1098
cstring	Cstring		--See page 1091
r_Value	R_Value		--See page 1068

}

Referenced from: SimpleValue (p. 1074) Value (p. 1086)

LowerBound ::= SEQUENCE {

bound	Bound		--See page 1041

}

Referenced from: RangeLength (p. 1068)

LowerEndpoint ::= SEQUENCE {

lowerEndValue	LowerEndValue		--See page 1058
inclusive	INCLUSIVE	OPTIONAL	--See page 1095

}

Referenced from: ValueRange (p. 1087)

LowerEndValue ::= CHOICE {

constraintValueAndAttributes	ConstraintValueAndAttributes	--See page 1046
min	Min	--See page 1096

}

Referenced from: LowerEndpoint (p. 1058)

LowerRangeBound ::= CHOICE {

constraintExpression	ConstraintExpression	--See page 1045
minusINFINITY	MinusINFINITY	--See page 1096

}

Referenced from: ValRange (p. 1086)

LowerTypeBound ::= CHOICE {

signedNumber	SignedNumber	--See page 1073
number	Number	--See page 1097
minusINFINITY	MinusINFINITY	--See page 1096

}

Referenced from: RangeTypeLength (p. 1068) IntegerRange (p. 1056)

LowerValueBound ::= SEQUENCE {

valueBound	ValueBound	--See page 1087

}

Referenced from: RangeValueLength (p. 1068)

Mantissa ::= CHOICE {

signedNumber	SignedNumber	--See page 1073
number	Number	--See page 1097

}

Referenced from: NumericRealValue (p. 1062)

MatchingSymbol ::= CHOICE {

complement	Complement	--See page 1043
omit	Omit	--See page 1063
anyValue	ANYValue	--See page 1089
anyOrOmit	AnyOrOmit	--See page 1089
valueList	ValueList	--See page 1087
valRange	ValRange	--See page 1086
superSet	SuperSet	--See page 1077
subSet	SubSet	--See page 1076
permutation	Permutation	--See page 1067

}

Referenced from: ConstraintValue (p. 1045)

MultExpression ::= SEQUENCE {

term	Term	--See page 1079
multOp	MultOp	--See page 1060
factor	Factor	--See page 1054

}

Referenced from: Term (p. 1079)

MultipleTypeConstraints ::= CHOICE {

fullSpecification	FullSpecification	--See page 1055
partialSpecification	PartialSpecification	--See page 1064

}

Referenced from: WithComponents (p. 1088)

MultOp ::= CHOICE {

mult	Mult	--See page 1097
div	Div	--See page 1092
mod	Mod	--See page 1096
and	And	--See page 1089

}

Referenced from: MultExpression (p. 1059)

NameAndNumberForm ::= SEQUENCE {

nameForm	NameForm	--See page 1061
numberForm	NumberForm	--See page 1062

}

Referenced from: ObjIdComponent (p. 1063)

NamedBitList ::= SEQUENCE OF {

namedNumber	NamedNumber	--See page 1060

}

Referenced from: BitStringType (p. 1040)

NamedConstraint ::= SEQUENCE {

identifier	Identifier	--See page 1094
constraint	Constraint	--See page 1045

}

Referenced from: NamedConstraintList (p. 1060)

NamedConstraintList ::= SEQUENCE OF {

namedConstraint	NamedConstraint	--See page 1060

}

Referenced from: TypeConstraints (p. 1084)

NamedNumber ::= SEQUENCE {

identifier	Identifier	--See page 1094
idOrNum	IdOrNum	--See page 1055

}

Referenced from: NamedNumberList (p. 1061) Enumeration (p. 1052) NamedBitList (p. 1060)

NamedNumberList ::= SEQUENCE OF {
    namedNumber   NamedNumber   --See page 1060
}
Referenced from: IntegerType (p. 1056)

NamedType ::= SEQUENCE {
    identifier   Identifier   --See page 1094
    asn1_Type   ASN1_Type   --See page 1037
}
Referenced from: AlternativeTypeList (p. 1036) NamedTypeOrSelection (p. 1061)

NamedTypeAndAttributes ::= SEQUENCE {
    namedTypeOrSelection   NamedTypeOrSelection   --See page 1061
    namedTypeAttribute   NamedTypeAttribute   OPTIONAL   --See page 1061
}
Referenced from: ElementType (p. 1050)

NamedTypeAttribute ::= CHOICE {
    optional   OPTIONAL   --See page 1098
    defaultValue   DefaultValue   --See page 1049
}
Referenced from: NamedTypeAndAttributes (p. 1061)

NamedTypeOrSelection ::= CHOICE {
    namedType   NamedType   --See page 1061
    selectionType   SelectionType   --See page 1071
}
Referenced from: NamedTypeAndAttributes (p. 1061)

NamedValue ::= SEQUENCE {
    identifier   Identifier   --See page 1094
    constraintValueAndAttributes   ConstraintValueAndAttributes   --See page 1046
}
Referenced from: ElementValueList (p. 1050) ChoiceValue (p. 1042) SelectionValue (p. 1071)

NameForm ::= SEQUENCE {
    identifier   Identifier   --See page 1094
}
Referenced from: ObjIdComponent (p. 1063) NameAndNumberForm (p. 1060)

Num_CPs ::= SEQUENCE {
    number Number --See page 1097
}
Referenced from: NumOf_CPs (p. 1062)

Num_PCOs ::= SEQUENCE {
    number Number --See page 1097
}
Referenced from: NumOf_PCOs (p. 1062)

NumberForm ::= SEQUENCE {
    number Number --See page 1097
}
Referenced from: ObjIdComponent (p. 1063) NameAndNumberForm (p. 1060)

NumericRealValue ::= SEQUENCE {
    mantissa Mantissa --See page 1059
    base Base --See page 1040
    exponent Exponent --See page 1053
}
Referenced from: RealValue (p. 1069)

NumOf_CPs ::= SEQUENCE {
    num_CPs Num_CPs --See page 1062
}
Referenced from: TCompDcl (p. 1026)

NumOf_PCOs ::= SEQUENCE {
    num_PCOs Num_PCOs --See page 1062
}
Referenced from: TCompDcl (p. 1026)

ObjectIdentifierValue ::= SEQUENCE {
    objIdComponentList ObjIdComponentList --See page 1063
}
Referenced from: ASN1_Value (p. 1038)

ObjIdComponent ::= CHOICE {

nameForm	NameForm		--See page 1061
numberForm	NumberForm		--See page 1062
nameAndNumberForm	NameAndNumberForm		--See page 1060

}

Referenced from: ObjIdComponentList (p. 1063)

ObjIdComponentList ::= SEQUENCE OF {

objIdComponent	ObjIdComponent		--See page 1063

}

Referenced from: ObjectIdentifierValue (p. 1062)

Omit ::= SEQUENCE {

omit	OMIT		--See page 1098

}

Referenced from: MatchingSymbol (p. 1059)

OmitReference ::= SEQUENCE {

referenceList	ReferenceList		--See page 1069

}

Referenced from: Replacement (p. 1070)

OpCall ::= SEQUENCE {

ts_OpIdentifier	Identifier		--See page 1094
actualParList	ActualParList		--See page 1035

}

Referenced from: Primary (p. 1068)

Otherwise ::= SEQUENCE {

identifier	Identifier	OPTIONAL	--See page 1094

}

Referenced from: Event (p. 1053)

P_Role ::= SEQUENCE {

pco_Role	PCO_Role		--See page 1065

}

Referenced from: PCO_TypeDcl (p. 1019) PCO_Dcl (p. 1019)

ParenExpression ::= SEQUENCE {
    expression Expression --See page 1054
}
Referenced from: Primary (p. 1068)

ParentSubType ::= SEQUENCE {
    parentType ParentType --See page 1064
    subTypeSpec SubTypeSpec --See page 1076
}
Referenced from: SubType (p. 1076)

ParentType ::= SEQUENCE {
    asn1_Type ASN1_Type --See page 1037
}
Referenced from: ParentSubType (p. 1064)

PartialSpecification ::= SEQUENCE {
    typeConstraints TypeConstraints --See page 1084
}
Referenced from: MultipleTypeConstraints (p. 1059)

Pass ::= CHOICE {
    pass PASS --See page 1098
    preliminaryPASS PreliminaryPASS --See page 1099
}
Referenced from: Verdict (p. 1088)

PCO_Id ::= SEQUENCE {
    pco_Identifier Identifier --See page 1094
}
Referenced from: PCO_Dcl (p. 1019)

PCO_List ::= SEQUENCE OF {
    pco_Identifier Identifier --See page 1094
}
Referenced from: PCOs_Used (p. 1065)

PCO_Role ::= CHOICE {

ut	UT	--See page 1102
lt	LT	--See page 1095

}

Referenced from: P_Role (p. 1063)

PCO_Type ::= SEQUENCE {

pco_TypeIdentifier	Identifier	--See page 1094

}

Referenced from: TTCN_ASP_TypeDef (p. 1033) ASN1_ASP_TypeDef (p. 1005) ASN1_ASP_TypeDefByRef (p. 1005) TTCN_PDU_TypeDef (p. 1034) ASN1_PDU_TypeDef (p. 1007) ASN1_PDU_TypeDefByRef (p. 1007)

PCO_TypeId ::= SEQUENCE {

pco_TypeIdentifier	Identifier	--See page 1094

}

Referenced from: PCO_TypeDcl (p. 1019) PCO_Dcl (p. 1019)

PCOs_Used ::= SEQUENCE {

pco_List	PCO_List	--See page 1064

}

Referenced from: TCompConfigInfo (p. 1025)

PDU_EncodingId ::= SEQUENCE {

encodingRuleIdentifier	Identifier	--See page 1094

}

Referenced from: TTCN_PDU_TypeDef (p. 1034) ASN1_PDU_TypeDef (p. 1007) ASN1_PDU_TypeDefByRef (p. 1007)

PDU_FieldEncoding ::= SEQUENCE {

pdu_FieldEncodingCall	PDU_FieldEncodingCall	--See page 1066

}

Referenced from: SimpleTypeDef (p. 1021) ElemDcl (p. 1016) PDU_FieldDcl (p. 1020) PDU_FieldValue (p. 1020)

PDU_FieldEncodingCall ::= CHOICE {
encVariationCall EncVariationCall --See page 1052
invalidFieldEncodingCall InvalidFieldEncodingCall --See page 1056
}
Referenced from: PDU_FieldEncoding (p. 1065)

PDU_FieldId ::= SEQUENCE {
pdu_FieldIdOrMacro PDU_FieldIdOrMacro --See page 1066
}
Referenced from: PDU_FieldDcl (p. 1020) PDU_FieldValue (p. 1020)

PDU_FieldIdAndFullId ::= SEQUENCE {
pdu_FieldIdentifier Identifier --See page 1094
fullIdentifier FullIdentifier OPTIONAL --See page 1093
}
Referenced from: PDU_FieldIdOrMacro (p. 1066)

PDU_FieldIdOrMacro ::= CHOICE {
pdu_FieldIdAndFullId PDU_FieldIdAndFullId --See page 1066
macroSymbol MacroSymbol --See page 1096
}
Referenced from: PDU_FieldId (p. 1066)

PDU_FieldType ::= SEQUENCE {
typeAndAttributes TypeAndAttributes --See page 1083
}
Referenced from: PDU_FieldDcl (p. 1020)

PDU_Id ::= SEQUENCE {
pdu_IdAndFullId PDU_IdAndFullId --See page 1067
}
Referenced from: TTCN_PDU_TypeDef (p. 1034) ASN1_PDU_TypeDef (p. 1007) ASN1_PDU_TypeDefByRef (p. 1007) TTCN_PDU_Constraint (p. 1034) ASN1_PDU_Constraint (p. 1006)

PDU_IdAndFullId ::= SEQUENCE {

pdu_Identifier	Identifier		--See page 1094
fullIdentifier	FullIdentifier	OPTIONAL	--See page 1093

}

Referenced from: PDU_Id (p. 1066)

PermittedAlphabet ::= SEQUENCE {

subTypeSpec	SubTypeSpec	--See page 1076

}

Referenced from: SubtypeValueSet (p. 1076)

Permutation ::= SEQUENCE {

valueList	ValueList	--See page 1087

}

Referenced from: MatchingSymbol (p. 1059)

PredefinedType ::= CHOICE {

integer	INTEGER	--See page 1095
boolean	BOOLEAN	--See page 1090
bitstring	BITSTRING	--See page 1090
hexstring	HEXSTRING	--See page 1093
octetstring	OCTETSTRING	--See page 1098
r_Type	R_TYPE	--See page 1100
characterString	CharacterString	--See page 1042

}

Referenced from: TTCN_Type (p. 1083)

PresenceConstraint ::= CHOICE {

present	PRESENT	--See page 1099
absent	ABSENT	--See page 1089
optional	OPTIONAL	--See page 1098

}

Referenced from: Constraint (p. 1045)

Primary ::= CHOICE {

value	Value	--See page 1086
dataObjectReference	DataObjectReference	--See page 1048
opCall	OpCall	--See page 1063
consRef	ConsRef	--See page 1045
selectExprId	SelectExprId	--See page 1071
parenExpression	ParenExpression	--See page 1064

}

Referenced from: Factor (p. 1054) UnaryExpression (p. 1084)

Qualifier ::= SEQUENCE {

expression	Expression	--See page 1054

}

Referenced from: EventStatement (p. 1053) Repeat (p. 1070)

R_Value ::= CHOICE {

pass	PASS	--See page 1098
fail	FAIL	--See page 1092
inconc	INCONC	--See page 1095
none	NONE	--See page 1097

}

Referenced from: LiteralValue (p. 1058)

RangeLength ::= SEQUENCE {

lowerBound	LowerBound	--See page 1058
upperBound	UpperBound	--See page 1085

}

Referenced from: LengthAttribute (p. 1057)

RangeTypeLength ::= SEQUENCE {

lowerTypeBound	LowerTypeBound	--See page 1058
upperTypeBound	UpperTypeBound	--See page 1086

}

Referenced from: LengthRestriction (p. 1057)

RangeValueLength ::= SEQUENCE {

lowerValueBound	LowerValueBound	--See page 1059
upperValueBound	UpperValueBound	--See page 1086

}

Referenced from: ValueLength (p. 1087)

ReadTimer ::= SEQUENCE {

timerIdentifier	Identifier		--See page 1094
dataObjectReference	DataObjectReference		--See page 1048

}

Referenced from: TimerOp (p. 1080)

RealValue ::= CHOICE {

numericRealValue	NumericRealValue		--See page 1062
specialRealValue	SpecialRealValue		--See page 1075

}

Referenced from: ASN1_Value (p. 1038)

Receive ::= SEQUENCE {

identifier1	Identifier	OPTIONAL	--See page 1094
identifier2	Identifier		--See page 1094

}

Referenced from: Event (p. 1053)

RecordRef ::= SEQUENCE {

componentIdentifier	ComponentIdentifier		--See page 1043

}

Referenced from: ComponentReference (p. 1044)

ReferenceList ::= SEQUENCE {

arrayRefOrComp	ArrayRefOrComp		--See page 1036
componentReferenceList	ComponentReferenceList		--See page 1044

}

Referenced from: Replace (p. 1070) OmitReference (p. 1063)

ReferenceType ::= SEQUENCE {

identifier	Identifier		--See page 1094

}

Referenced from: TTCN_Type (p. 1083) AnyValue (p. 1036)

RelExpression ::= SEQUENCE {

simpleExpression1	SimpleExpression	--See page 1073
relOp	RelOp	--See page 1070
simpleExpression2	SimpleExpression	--See page 1073

}

Referenced from: Expression (p. 1054)

RelOp ::= CHOICE {

equal	Equal	--See page 1092
less	Less	--See page 1095
greater	Greater	--See page 1093
notEqual	NotEqual	--See page 1097
greaterOrEqual	GreaterOrEqual	--See page 1093
lessOrEqual	LessOrEqual	--See page 1095

}

Referenced from: RelExpression (p. 1070)

Repeat ::= SEQUENCE {

attach	Attach	--See page 1039
qualifier	Qualifier	--See page 1068

}

Referenced from: Construct (p. 1046)

Replace ::= SEQUENCE {

referenceList	ReferenceList	--See page 1069
constraintValueAndAttributes	ConstraintValueAndAttributes	--See page 1046

}

Referenced from: Replacement (p. 1070)

Replacement ::= CHOICE {

replace	Replace	--See page 1070
omitReference	OmitReference	--See page 1063

}

Referenced from: ReplacementList (p. 1070)

ReplacementList ::= SEQUENCE OF {

replacement	Replacement	--See page 1070

}

Referenced from: ConstraintValueAndAttributesOrReplace (p. 1046)

Restriction ::= CHOICE {

lengthRestriction	LengthRestriction	--See page 1057
integerRange	IntegerRange	--See page 1056
simpleValueList	SimpleValueList	--See page 1074

}

Referenced from: TypeAndRestriction (p. 1084)

Result ::= SEQUENCE {

r	R	--See page 1099

}

Referenced from: Verdict (p. 1088)

SelectExpr ::= SEQUENCE {

selectionExpression	SelectionExpression	--See page 1071

}

Referenced from: SelectExprDef (p. 1021)

SelectExprId ::= SEQUENCE {

selectExprIdentifier	Identifier	--See page 1094

}

Referenced from: SelectExprDef (p. 1021) Primary (p. 1068)

SelectionExpression ::= SEQUENCE {

expression	Expression	--See page 1054

}

Referenced from: SelectExpr (p. 1071)

SelectionType ::= SEQUENCE {

identifier	Identifier	--See page 1094
asn1_Type	ASN1_Type	--See page 1037

}

Referenced from: BuiltinType (p. 1041) NamedTypeOrSelection (p. 1061)

SelectionValue ::= SEQUENCE {

namedValue	NamedValue	--See page 1061

}

Referenced from: ASN1_Value (p. 1038)

SelExprId ::= SEQUENCE {

selectExprIdentifier	Identifier		--See page 1094

}

Referenced from: TestGroup (p. 1027) CompactTestGroup (p. 1013) CompactTestCase (p. 1012) TestCase (p. 1026)

Send ::= SEQUENCE {

identifier1	Identifier	OPTIONAL	--See page 1094
identifier2	Identifier		--See page 1094

}

Referenced from: Event (p. 1053)

SequenceOfType ::= SEQUENCE {

asn1_Type	ASN1_Type	OPTIONAL	--See page 1037

}

Referenced from: BuiltinType (p. 1041)

SequenceOfValue ::= SEQUENCE {

asn1_ValueList	ASN1_ValueList	--See page 1038

}

Referenced from: ASN1_Value (p. 1038)

SequenceSubType ::= SEQUENCE {

sizeConstraint	SizeConstraint	--See page 1075
asn1_Type	ASN1_Type	--See page 1037

}

Referenced from: SubType (p. 1076)

SequenceType ::= SEQUENCE {

elementTypeList	ElementTypeList	--See page 1050

}

Referenced from: BuiltinType (p. 1041)

SequenceValue ::= SEQUENCE {

elementValueList	ElementValueList	--See page 1050

}

Referenced from: ASN1_Value (p. 1038)

SetOfType ::= SEQUENCE {

asn1_Type	ASN1_Type	OPTIONAL	--See page 1037

}

Referenced from: BuiltinType (p. 1041)

SetOfValue ::= SEQUENCE {

asn1_ValueList	ASN1_ValueList	--See page 1038

}

Referenced from: ASN1_Value (p. 1038)

SetSubType ::= SEQUENCE {

sizeConstraint	SizeConstraint	--See page 1075
asn1_Type	ASN1_Type	--See page 1037

}

Referenced from: SubType (p. 1076)

SetType ::= SEQUENCE {

elementTypeList	ElementTypeList	--See page 1050

}

Referenced from: BuiltinType (p. 1041)

SetValue ::= SEQUENCE {

elementValueList	ElementValueList	--See page 1050

}

Referenced from: ASN1_Value (p. 1038)

SignedNumber ::= SEQUENCE {

minus	Minus	--See page 1096
number	Number	--See page 1097

}

Referenced from: LowerTypeBound (p. 1058) UpperTypeBound (p. 1086) SimpleValue (p. 1074) IdOrNum (p. 1055) Mantissa (p. 1059) Exponent (p. 1053)

SimpleExpression ::= CHOICE {

addExpression	AddExpression	--See page 1035
term	Term	--See page 1079

}

Referenced from: Expression (p. 1054) RelExpression (p. 1070) RelExpression (p. 1070) AddExpression (p. 1035)

SimpleTypeDefinition ::= SEQUENCE {
    typeAndRestriction TypeAndRestriction --See page 1084
}
Referenced from: SimpleTypeDef (p. 1021)

SimpleTypeId ::= SEQUENCE {
    simpleTypeIdentifier Identifier --See page 1094
}
Referenced from: SimpleTypeDef (p. 1021)

SimpleValue ::= CHOICE {
    literalValue LiteralValue --See page 1058
    signedNumber SignedNumber --See page 1073
}
Referenced from: SimpleValueList (p. 1074)

SimpleValueList ::= SEQUENCE OF {
    simpleValue SimpleValue --See page 1074
}
Referenced from: Restriction (p. 1071)

SingleLength ::= SEQUENCE {
    bound Bound --See page 1041
}
Referenced from: LengthAttribute (p. 1057)

SingleTypeConstraint ::= SEQUENCE {
    subTypeSpec SubTypeSpec --See page 1076
}
Referenced from: WithComponent (p. 1088)

SingleTypeLength ::= SEQUENCE {
    number Number --See page 1097
}
Referenced from: LengthRestriction (p. 1057)

SingleValue ::= SEQUENCE {

constraintValueAndAttributes	ConstraintValueAndAttributes		--See page 1046

}

Referenced from: SubtypeValueSet (p. 1076)

SingleValueLength ::= SEQUENCE {

valueBound	ValueBound		--See page 1087

}

Referenced from: ValueLength (p. 1087)

SizeConstraint ::= SEQUENCE {

subTypeSpec	SubTypeSpec		--See page 1076

}

Referenced from: SetSubType (p. 1073) SequenceSubType (p. 1072) SubtypeValueSet (p. 1076)

SO_SuiteId ::= SEQUENCE {

suiteIdentifier	Identifier		--See page 1094

}

Referenced from: SuiteStructure (p. 1024)

SpecialRealValue ::= CHOICE {

plus_INFINITY	Plus_INFINITY		--See page 1099
minus_INFINITY	Minus_INFINITY		--See page 1096

}

Referenced from: RealValue (p. 1069)

StartTimer ::= SEQUENCE {

timerIdentifier	Identifier		--See page 1094
timerValue	TimerValue	OPTIONAL	--See page 1080

}

Referenced from: TimerOp (p. 1080)

StatementLine ::= CHOICE {

eventStatement	EventStatement	--See page 1053
construct	Construct	--See page 1046
implicitSend	ImplicitSend	--See page 1055

}

Referenced from: Line (p. 1057)

StructId ::= SEQUENCE {

structIdAndFullId	StructIdAndFullId		--See page 1076

}

Referenced from: StructTypeDef (p. 1024) StructTypeConstraint (p. 1023)

StructIdAndFullId ::= SEQUENCE {

structIdentifier	Identifier		--See page 1094
fullIdentifier	FullIdentifier	OPTIONAL	--See page 1093

}

Referenced from: StructId (p. 1076)

SubSet ::= SEQUENCE {

constraintValueAndAttributes	ConstraintValueAndAttributes	--See page 1046

}

Referenced from: MatchingSymbol (p. 1059)

SubType ::= CHOICE {

parentSubType	ParentSubType	--See page 1064
setSubType	SetSubType	--See page 1073
sequenceSubType	SequenceSubType	--See page 1072

}

Referenced from: ASN1_Type (p. 1037)

SubTypeSpec ::= SEQUENCE OF {

subtypeValueSet	SubtypeValueSet	--See page 1076

}

Referenced from: PermittedAlphabet (p. 1067) SizeConstraint (p. 1075) ParentSubType (p. 1064) SingleTypeConstraint (p. 1074) ValueConstraint (p. 1087)

SubtypeValueSet ::= CHOICE {

singleValue	SingleValue	--See page 1075
containedSubType	ContainedSubType	--See page 1046
valueRange	ValueRange	--See page 1087
permittedAlphabet	PermittedAlphabet	--See page 1067
sizeConstraint	SizeConstraint	--See page 1075
innerTypeConstraints	InnerTypeConstraints	--See page 1056

}

Referenced from: SubTypeSpec (p. 1076)

SuiteId ::= SEQUENCE {

suiteIdentifier	Identifier		--See page 1094

}

Referenced from: ASuite (p. 1010)

SuperSet ::= SEQUENCE {

constraintValueAndAttributes	ConstraintValueAndAttributes		--See page 1046

}

Referenced from: MatchingSymbol (p. 1059)

Tag ::= SEQUENCE {

classType	ClassType	OPTIONAL	--See page 1042
classNumber	ClassNumber		--See page 1042

}

Referenced from: TaggedType (p. 1077)

TagAttributes ::= CHOICE {

Aimplicit	AIMPLICIT	--See page 1089
Aexplicit	AEXPLICIT	--See page 1089

}

Referenced from: TaggedType (p. 1077)

TaggedType ::= SEQUENCE {

tag	Tag		--See page 1077
tagAttributes	TagAttributes	OPTIONAL	--See page 1077
asn1_Type	ASN1_Type		--See page 1037

}

Referenced from: BuiltinType (p. 1041)

TC_Role ::= SEQUENCE {

tcomp_Role	TComp_Role		--See page 1078

}

Referenced from: TCompDcl (p. 1026)

TC_VarId ::= SEQUENCE {

tc_VarIdentifier	Identifier		--See page 1094

}

Referenced from: TC_VarDcl (p. 1024)

TC_VarType ::= SEQUENCE {
    ttcn_Type TTCN_Type --See page 1083
}
Referenced from: TC_VarDcl (p. 1024)

TC_VarValue ::= SEQUENCE {
    declarationValue DeclarationValue --See page 1048
}
Referenced from: TC_VarDcl (p. 1024)

TComp_Role ::= CHOICE {
    mtc MTC --See page 1096
    ptc PTC --See page 1099
}
Referenced from: TC_Role (p. 1077)

TCompConfigId ::= SEQUENCE {
    tcompConfigIdentifier Identifier --See page 1094
}
Referenced from: TCompConfigDcl (p. 1025)

TCompId ::= SEQUENCE {
    tcompIdentifier Identifier --See page 1094
}
Referenced from: TCompDcl (p. 1026)

TCompIdList ::= SEQUENCE OF {
    tCompIdentifier Identifier --See page 1094
}
Referenced from: Done (p. 1050)

TCompUsed ::= SEQUENCE {
    tcompIdentifier Identifier --See page 1094
}
Referenced from: TCompConfigInfo (p. 1025)

Term ::= CHOICE {

multExpression	MultExpression	--See page 1059
factor	Factor	--See page 1054

}

Referenced from: SimpleExpression (p. 1073) AddExpression (p. 1035) MultExpression (p. 1059)

TestCaseId ::= SEQUENCE {

testCaseIdentifier	Identifier	--See page 1094

}

Referenced from: CompactTestCase (p. 1012) TestCase (p. 1026)

TestGroupId ::= SEQUENCE {

testGroupIdentifier	Identifier	--See page 1094

}

Referenced from: TestGroup (p. 1027) CompactTestGroup (p. 1013)

TestGroupRef ::= SEQUENCE {

testGroupReference	TestGroupReference	--See page 1101

}

Referenced from: TestCase (p. 1026)

TestStepAttachment ::= SEQUENCE {

attach	Attach	--See page 1039

}

Referenced from: CompactTestCase (p. 1012)

TestStepGroupId ::= SEQUENCE {

testStepGroupIdentifier	Identifier	--See page 1094

}

Referenced from: TestStepGroup (p. 1028)

TestStepId ::= SEQUENCE {

testStepIdAndParList	TestStepIdAndParList	--See page 1080

}

Referenced from: TestStep (p. 1027)

TestStepIdAndParList ::= SEQUENCE {

testStepIdentifier	Identifier		--See page 1094
formalParList	FormalParList		--See page 1054

}

Referenced from: TestStepId (p. 1079)

TestStepRef ::= SEQUENCE {

testStepGroupReference	TestStepGroupReference		--See page 1102

}

Referenced from: TestStep (p. 1027)

Timeout ::= SEQUENCE {

timerIdentifier	Identifier	OPTIONAL	--See page 1094

}

Referenced from: Event (p. 1053)

TimerId ::= SEQUENCE {

timerIdentifier	Identifier	--See page 1094

}

Referenced from: TimerDcl (p. 1028)

TimerOp ::= CHOICE {

startTimer	StartTimer	--See page 1075
cancelTimer	CancelTimer	--See page 1041
readTimer	ReadTimer	--See page 1069

}

Referenced from: TimerOps (p. 1080)

TimerOps ::= SEQUENCE OF {

timerOp	TimerOp	--See page 1080

}

Referenced from: EventStatement (p. 1053)

TimerValue ::= SEQUENCE {

expression	Expression	--See page 1054

}

Referenced from: StartTimer (p. 1075)

TimeUnit ::= CHOICE {

picoSeconds	PicoSeconds	--See page 1098
nanoSeconds	NanoSeconds	--See page 1097
microSeconds	MicroSeconds	--See page 1096
milliSeconds	MilliSeconds	--See page 1096
seconds	Seconds	--See page 1100
minutes	Minutes	--See page 1096

}

Referenced from: Unit (p. 1085)

TreeHeader ::= SEQUENCE {

treeIdentifier	Identifier	--See page 1094
formalParList	FormalParList	--See page 1054

}

Referenced from: Header (p. 1055)

TreeReference ::= SEQUENCE {

identifier	Identifier	--See page 1094

}

Referenced from: Attach (p. 1039) CreateAttach (p. 1047)

TS_ConstId ::= SEQUENCE {

ts_ConstIdentifier	Identifier	--See page 1094

}

Referenced from: TS_ConstDcl (p. 1029) TS_ConstRef (p. 1029)

TS_ConstType ::= SEQUENCE {

ttcn_Type	TTCN_Type	--See page 1083

}

Referenced from: TS_ConstDcl (p. 1029) TS_ConstRef (p. 1029)

TS_ConstValue ::= SEQUENCE {

declarationValue	DeclarationValue	--See page 1048

}

Referenced from: TS_ConstDcl (p. 1029) TS_ConstRef (p. 1029)

TS_OpId ::= SEQUENCE {
    ts_OpIdAndParList TS_OpIdAndParList --See page 1082
}
Referenced from: TS_OpDef (p. 1030)

TS_OpIdAndParList ::= SEQUENCE {
    ts_OpIdentifier Identifier --See page 1094
    formalParList FormalParList --See page 1054
}
Referenced from: TS_OpId (p. 1082)

TS_OpResult ::= SEQUENCE {
    ttcn_Type TTCN_Type --See page 1083
}
Referenced from: TS_OpDef (p. 1030)

TS_ParId ::= SEQUENCE {
    ts_ParIdentifier Identifier --See page 1094
}
Referenced from: TS_ParDcl (p. 1030)

TS_ParType ::= SEQUENCE {
    ttcn_Type TTCN_Type --See page 1083
}
Referenced from: TS_ParDcl (p. 1030)

TS_ProcId ::= SEQUENCE {
    ts_ProcIdAndParList TS_ProcIdAndParList --See page 1082
}
Referenced from: TS_ProcDef (p. 1031)

TS_ProcIdAndParList ::= SEQUENCE {
    ts_ProcIdentifier Identifier --See page 1094
    formalParList FormalParList --See page 1054
}
Referenced from: TS_ProcId (p. 1082)

TS_ProcResult ::= SEQUENCE {

ttcn_Type	TTCN_Type	--See page 1083

}

Referenced from: TS_ProcDef (p. 1031)

TS_VarId ::= SEQUENCE {

ts_VarIdentifier	Identifier	--See page 1094

}

Referenced from: TS_VarDcl (p. 1032)

TS_VarType ::= SEQUENCE {

ttcn_Type	TTCN_Type	--See page 1083

}

Referenced from: TS_VarDcl (p. 1032)

TS_VarValue ::= SEQUENCE {

declarationValue	DeclarationValue	--See page 1048

}

Referenced from: TS_VarDcl (p. 1032)

TTCN_Type ::= CHOICE {

predefinedType	PredefinedType	--See page 1067
referenceType	ReferenceType	--See page 1069

}

Referenced from: TypeAndRestriction (p. 1084) TypeAndLengthAttribute (p. 1084) TS_OpResult (p. 1082) TS_ProcResult (p. 1083) TS_ParType (p. 1082) TS_ConstType (p. 1081) TS_VarType (p. 1083) TC_VarType (p. 1078) FormalParType (p. 1055)

TypeAndAttributes ::= CHOICE {

typeAndLengthAttribute	TypeAndLengthAttribute	--See page 1084
pdu	PDU	--See page 1098

}

Referenced from: ElemType (p. 1051) ASP_ParType (p. 1039) PDU_FieldType (p. 1066) CM_ParType (p. 1043)

TypeAndLengthAttribute ::= SEQUENCE {

ttcn_Type	TTCN_Type		--See page 1083
lengthAttribute	LengthAttribute	OPTIONAL	--See page 1057

}

Referenced from: TypeAndAttributes (p. 1083)

TypeAndRestriction ::= SEQUENCE {

ttcn_Type	TTCN_Type		--See page 1083
restriction	Restriction	OPTIONAL	--See page 1071

}

Referenced from: SimpleTypeDefinition (p. 1074)

TypeAssignment ::= SEQUENCE {

typeReference	TypeReference	--See page 1084
asn1_Type	ASN1_Type	--See page 1037

}

Referenced from: TypeAssignmentList (p. 1084)

TypeAssignmentList ::= SEQUENCE OF {

typeAssignment	TypeAssignment	--See page 1084

}

Referenced from: ASN1_LocalTypes (p. 1037)

TypeConstraints ::= SEQUENCE {

namedConstraintList	NamedConstraintList	--See page 1060

}

Referenced from: FullSpecification (p. 1055) PartialSpecification (p. 1064)

TypeReference ::= SEQUENCE {

identifier	Identifier	--See page 1094

}

Referenced from: TypeAssignment (p. 1084)

UnaryExpression ::= SEQUENCE {

unaryOp	UnaryOp	--See page 1085
primary	Primary	--See page 1068

}

Referenced from: Factor (p. 1054)

UnaryOp ::= CHOICE {

plus	Plus		--See page 1099
minus	Minus		--See page 1096
not	Not		--See page 1097

}

Referenced from: UnaryExpression (p. 1084)

Unit ::= SEQUENCE {

timeUnit	TimeUnit		--See page 1081

}

Referenced from: TimerDcl (p. 1028)

UpperBound ::= CHOICE {

bound	Bound		--See page 1041
infinity	INFINITY		--See page 1095

}

Referenced from: RangeLength (p. 1068)

UpperEndpoint ::= SEQUENCE {

upperEndValue	UpperEndValue		--See page 1085
inclusive	INCLUSIVE	OPTIONAL	--See page 1095

}

Referenced from: ValueRange (p. 1087)

UpperEndValue ::= CHOICE {

constraintValueAndAttributes	ConstraintValueAndAttributes		--See page 1046
max	Max		--See page 1096

}

Referenced from: UpperEndpoint (p. 1085)

UpperRangeBound ::= CHOICE {

constraintExpression	ConstraintExpression		--See page 1045
infinity	INFINITY		--See page 1095

}

Referenced from: ValRange (p. 1086)

UpperTypeBound ::= CHOICE {

signedNumber	SignedNumber	--See page 1073
number	Number	--See page 1097
infinity	INFINITY	--See page 1095

}

Referenced from: RangeTypeLength (p. 1068) IntegerRange (p. 1056)

UpperValueBound ::= CHOICE {

valueBound	ValueBound	--See page 1087
infinity	INFINITY	--See page 1095

}

Referenced from: RangeValueLength (p. 1068)

UsefulType ::= CHOICE {

generalizedTime	GeneralizedTime	--See page 1093
utcTime	UTCTime	--See page 1102
external	EXTERNAL	--See page 1092
objectDescriptor	ObjectDescriptor	--See page 1097

}

Referenced from: BuiltinType (p. 1041)

ValRange ::= SEQUENCE {

lowerRangeBound	LowerRangeBound	--See page 1058
upperRangeBound	UpperRangeBound	--See page 1085

}

Referenced from: MatchingSymbol (p. 1059)

Value ::= CHOICE {

literalValue	LiteralValue	--See page 1058
asn1_Value	ASN1_Value	--See page 1038

}

Referenced from: Primary (p. 1068)

ValueAttributes ::= SEQUENCE {

valueLength	ValueLength	OPTIONAL	--See page 1087
if_PRESENT	IF_PRESENT	OPTIONAL	--See page 1095

}

Referenced from: ConstraintValueAndAttributes (p. 1046)

ValueBound ::= CHOICE {

number	Number	--See page 1097
identifier	Identifier	--See page 1094

}

Referenced from: SingleValueLength (p. 1075) LowerValueBound (p. 1059) UpperValueBound (p. 1086)

ValueConstraint ::= SEQUENCE {

subTypeSpec	SubTypeSpec	--See page 1076

}

Referenced from: Constraint (p. 1045)

ValueLength ::= CHOICE {

singleValueLength	SingleValueLength	--See page 1075
rangeValueLength	RangeValueLength	--See page 1068

}

Referenced from: ValueAttributes (p. 1086)

ValueList ::= SEQUENCE OF {

constraintValueAndAttributes	ConstraintValueAndAttributes	--See page 1046

}

Referenced from: MatchingSymbol (p. 1059) Complement (p. 1043) Permutation (p. 1067)

ValueRange ::= SEQUENCE {

lowerEndpoint	LowerEndpoint	--See page 1058
upperEndpoint	UpperEndpoint	--See page 1085

}

Referenced from: SubtypeValueSet (p. 1076)

VariationDefault ::= SEQUENCE {

expression	Expression	--See page 1054

}

Referenced from: EncodingVariation (p. 1017)

VariationRef ::= SEQUENCE {

variationReference	VariationReference	--See page 1102

}

Referenced from: EncodingVariation (p. 1017)

Verdict ::= CHOICE {

pass	Pass	--See page 1064
fail	Fail	--See page 1054
inconclusive	Inconclusive	--See page 1056
result	Result	--See page 1071

}

Referenced from: VerdictId (p. 1088)

VerdictId ::= SEQUENCE {

verdict	Verdict	--See page 1088

}

Referenced from: BehaviourLine (p. 1011)

WithComponent ::= SEQUENCE {

singleTypeConstraint	SingleTypeConstraint	--See page 1074

}

Referenced from: InnerTypeConstraints (p. 1056)

WithComponents ::= SEQUENCE {

multipleTypeConstraints	MultipleTypeConstraints	--See page 1059

}

Referenced from: InnerTypeConstraints (p. 1056)

Terminal Nodes

This section contains all the Terminal Nodes. A Terminal Node is defined to be a node without children in the Parse Tree, and they generally represents some actual piece of text in the field. The Identifier class is a good example of a Terminal Node. It is the Access representation of a name or identifier. The Terminal Nodes have some special properties, they can be printed directly, yielding the piece of text they represent, and their positions in the field string can be easily found. The Identifier is a special Terminal Node since all Identifiers have an type which is information about in what table the identifier was declared (or Unknown if this could not be found during analysis).

ABSENT ::= TERMINAL
Referenced from: PresenceConstraint (p. 1067)

AEXPLICIT ::= TERMINAL
Referenced from: TagAttributes (p. 1077)

AFalse ::= TERMINAL
Referenced from: BooleanValue (p. 1040)

AIMPLICIT ::= TERMINAL
Referenced from: TagAttributes (p. 1077)

And ::= TERMINAL
Referenced from: MultOp (p. 1060)

ANY ::= TERMINAL
Referenced from: AnyType (p. 1036)

AnyOrOmit ::= TERMINAL
Referenced from: MatchingSymbol (p. 1059)

ANYValue ::= TERMINAL
Referenced from: MatchingSymbol (p. 1059)

APPLICATION ::= TERMINAL
Referenced from: ClassType (p. 1042)

ASN1_ModuleId ::= TERMINAL
Referenced from: ASN1_TypeRef (p. 1009) TS_ConstRef (p. 1029) ASN1_ASP_TypeDefByRef (p. 1005) ASN1_PDU_TypeDefByRef (p. 1007)

ASN1_TypeReference ::= TERMINAL
Referenced from: ASN1_TypeRef (p. 1009) ASN1_ASP_TypeDefByRef (p. 1005) ASN1_PDU_TypeDefByRef (p. 1007)

ASN1_ValueReference ::= TERMINAL
Referenced from: TS_ConstRef (p. 1029)

ATrue ::= TERMINAL
Referenced from: BooleanValue (p. 1040)

BITSTRING ::= TERMINAL
Referenced from: PredefinedType (p. 1067)

BOOLEAN ::= TERMINAL
Referenced from: PredefinedType (p. 1067)

BooleanType ::= TERMINAL
Referenced from: BuiltinType (p. 1041)

Bstring ::= TERMINAL
Referenced from: LiteralValue (p. 1058)

Comment ::= TERMINAL

Referenced from: ASN1_CM_Constraint (p. 1006) CompactTestCase (p. 1012) TestCase (p. 1026) BehaviourLine (p. 1011) TestStep (p. 1027) DefaultCase (p. 1014) SuiteStructure (p. 1024) EncodingDefinition (p. 1016) EncodingVariationSet (p. 1018) EncodingVariation (p. 1017) InvalidFieldEncodingDef (p. 1018) SimpleTypeDef (p. 1021) StructTypeDef (p. 1024) ElemDcl (p. 1016) ASN1_TypeDef (p. 1008) ASN1_TypeRef (p. 1009) TS_OpDef (p. 1030) TS_ProcDef (p. 1031) TS_ParDcl (p. 1030) SelectExprDef (p. 1021) TS_ConstDcl (p. 1029) TS_ConstRef (p. 1029) TS_VarDcl (p. 1032) TC_VarDcl (p. 1024) TCompDcl (p. 1026) TCompConfigDcl (p. 1025) TCompConfigInfo (p. 1025) PCO_TypeDcl (p. 1019) PCO_Dcl (p. 1019) CP_Dcl (p. 1013) TimerDcl (p. 1028) TTCN_ASP_TypeDef (p. 1033) ASP_ParDcl (p. 1009) ASN1_ASP_TypeDef (p. 1005) ASN1_ASP_TypeDefByRef (p. 1005) TTCN_PDU_TypeDef (p. 1034) PDU_FieldDcl (p. 1020) ASN1_PDU_TypeDef (p. 1007) ASN1_PDU_TypeDefByRef (p. 1007) TTCN_CM_TypeDef (p. 1033) CM_ParDcl (p. 1011) ASN1_CM_TypeDef (p. 1006) AliasDef (p. 1004) StructTypeConstraint (p. 1023) ElemValue (p. 1016) ASN1_TypeConstraint (p. 1008) TTCN_ASP_Constraint (p. 1032) ASP_ParValue (p. 1010) TTCN_PDU_Constraint (p. 1034) PDU_FieldValue (p. 1020) ASN1_ASP_Constraint (p. 1004) ASN1_PDU_Constraint (p. 1006) TTCN_CM_Constraint (p. 1033) CM_ParValue (p. 1012)

CP ::= TERMINAL

Referenced from: FormalParType (p. 1055)

Cstring ::= TERMINAL

Referenced from: LiteralValue (p. 1058)

DefaultGroupReference ::= TERMINAL

Referenced from: DefaultRef (p. 1049)

Description ::= TERMINAL

Referenced from: CompactTestCase (p. 1012) TestCase (p. 1026) TestStep (p. 1027) DefaultCase (p. 1014)

DetailedComment ::= TERMINAL
Referenced from: SuiteStructure (p. 1024) TestCaseIndex (p. 1026) TestStepIndex (p. 1028) DefaultIndex (p. 1015) EncodingDefinitions (p. 1017) EncodingVariationSet (p. 1018) InvalidFieldEncodingDef (p. 1018) SimpleTypeDefs (p. 1022) StructTypeDef (p. 1024) ASN1_TypeDef (p. 1008) ASN1_TypeRefs (p. 1009) TS_OpDef (p. 1030) TS_ProcDef (p. 1031) TS_ParDcls (p. 1031) SelectExprDefs (p. 1021) TS_ConstDcls (p. 1029) TS_ConstRefs (p. 1030) TS_VarDcls (p. 1032) TC_VarDcls (p. 1025) TCompDcls (p. 1026) TCompConfigDcl (p. 1025) PCO_TypeDcls (p. 1019) PCO_Dcls (p. 1019) CP_Dcls (p. 1014) TimerDcls (p. 1029) TTCN_ASP_TypeDef (p. 1033) ASN1_ASP_TypeDef (p. 1005) ASN1_ASP_TypeDefsByRef (p. 1005) TTCN_PDU_TypeDef (p. 1034) ASN1_PDU_TypeDef (p. 1007) ASN1_PDU_TypeDefsByRef (p. 1008) TTCN_CM_TypeDef (p. 1033) ASN1_CM_TypeDef (p. 1006) AliasDefs (p. 1004) StructTypeConstraint (p. 1023) ASN1_TypeConstraint (p. 1008) TTCN_ASP_Constraint (p. 1032) TTCN_PDU_Constraint (p. 1034) ASN1_ASP_Constraint (p. 1004) ASN1_PDU_Constraint (p. 1006) TTCN_CM_Constraint (p. 1033) ASN1_CM_Constraint (p. 1006) TestCase (p. 1026) TestStep (p. 1027) DefaultCase (p. 1014)

Div ::= TERMINAL
Referenced from: MultOp (p. 1060)

Encoding_TypeList ::= TERMINAL
Referenced from: EncodingVariationSet (p. 1018) InvalidFieldEncodingDef (p. 1018)

EncodingReference ::= TERMINAL
Referenced from: EncodingRef (p. 1051)

Equal ::= TERMINAL
Referenced from: RelOp (p. 1070)

EXTERNAL ::= TERMINAL
Referenced from: UsefulType (p. 1086)

FAIL ::= TERMINAL
Referenced from: Fail (p. 1054) R_Value (p. 1068)

FullIdentifier ::= TERMINAL
Referenced from: StructIdAndFullId (p. 1076) ElemIdAndFullId (p. 1051) ASN1_TypeId (p. 1038) ASP_IdAndFullId (p. 1038) ASP_ParIdAndFullId (p. 1039) PDU_IdAndFullId (p. 1067) PDU_FieldIdAndFullId (p. 1066) CM_ParIdAndFullId (p. 1043)

GeneralizedTime ::= TERMINAL
Referenced from: UsefulType (p. 1086)

GeneralString ::= TERMINAL
Referenced from: CharacterString (p. 1042)

GraphicString ::= TERMINAL
Referenced from: CharacterString (p. 1042)

Greater ::= TERMINAL
Referenced from: RelOp (p. 1070)

GreaterOrEqual ::= TERMINAL
Referenced from: RelOp (p. 1070)

HEXSTRING ::= TERMINAL
Referenced from: PredefinedType (p. 1067)

Hstring ::= TERMINAL
Referenced from: LiteralValue (p. 1058)

IA5String ::= TERMINAL
Referenced from: CharacterString (p. 1042)

Identifier ::= TERMINAL

Referenced from: Send (p. 1072) ImplicitSend (p. 1055) Receive (p. 1069) Receive (p. 1069) Otherwise (p. 1063) Timeout (p. 1080) TCompIdList (p. 1078) StartTimer (p. 1075) CancelTimer (p. 1041) ReadTimer (p. 1069) TreeReference (p. 1081) CreateTComp (p. 1047) ConstraintReference (p. 1045) ConsRef (p. 1045) TreeHeader (p. 1081) TestGroupId (p. 1079) TestStepGroupId (p. 1079) TestStepIdAndParList (p. 1080) DefaultGroupId (p. 1048) DefaultIdAndParList (p. 1048) ValueBound (p. 1087) DataObjectReference (p. 1048) ComponentIdentifier (p. 1043) BitIdentifier (p. 1040) OpCall (p. 1063) TypeReference (p. 1084) DefinedType (p. 1049) NamedNumber (p. 1060) IdOrNum (p. 1055) NamedType (p. 1061) SelectionType (p. 1071) SuiteId (p. 1077) SO_SuiteId (p. 1075) EncVariationIdAndParList (p. 1052) InvalidFieldEncodingIdAndParList (p. 1057) SimpleTypeId (p. 1074) ReferenceType (p. 1069) AnyDefinedBy (p. 1036) EncVariationCall (p. 1052) NamedConstraint (p. 1060) InvalidFieldEncodingCall (p. 1056) IdentifierList (p. 1055) EncodingRuleId (p. 1051) NamedValue (p. 1061) NameForm (p. 1061) DefinedValue (p. 1049) FormalParIdList (p. 1054) EncRuleId (p. 1052) PDU_EncodingId (p. 1065) StructIdAndFullId (p. 1076) ElemIdAndFullId (p. 1051) Bound (p. 1041) ASN1_TypeId (p. 1038) TS_OpIdAndParList (p. 1082) TS_ProcIdAndParList (p. 1082) TS_ParId (p. 1082) SelectExprId (p. 1071) TS_ConstId (p. 1081) TS_VarId (p. 1083) TC_VarId (p. 1077) TCompId (p. 1078) TCompConfigId (p. 1078) TCompUsed (p. 1078) PCO_List (p. 1064) CP_List (p. 1047) PCO_Id (p. 1064) PCO_TypeId (p. 1065) CP_Id (p. 1047) TimerId (p. 1080) ASP_IdAndFullId (p. 1038) PCO_Type (p. 1065) ASP_ParIdAndFullId (p. 1039) PDU_IdAndFullId (p. 1067) PDU_FieldIdAndFullId (p. 1066) CM_Id (p. 1043) CM_ParIdAndFullId (p. 1043) AliasId (p. 1036) Expansion (p. 1053) ConsIdAndParList (p. 1045) DerivationPath (p. 1050) TestCaseId (p. 1079) Configuration (p. 1044) SelExprId (p. 1072) DefaultReference (p. 1049) Label (p. 1057) Send (p. 1072)

Impl. Note: Every Identifier has an associated type, which refers to the context where the Identifier was declared. If, for example, an Identifier refers to a TTCN ASP declaration table, then its type will be Choices::_TTCN_ASP, and if the Identifier refers to a parameter of a constraint or test step, then its type will be Choices::_FormalParam_Id. The associated type is reached through the member function Identifier::choice().

Identifier types: Alias ASN1_ASP ASN1_ASP_Cons ASN1_Cons ASN1_CM ASN1_CM_Cons ASN1_PDU ASN1_PDU_Cons ASN1_LocalType ASN1_NamedType ASN1_NameForm ASN1_Type ASP_Par BitString_NamedNumber CM_Par CP DefaultCase DefaultGroup Elem Enumeration_NamedNumber FormalParam Integer_NamedNumber Label LocalTree PCO PCO_Type PredefinedOp PDU_Field Result SelectExpr SimpleType StructType StructCons Suite TC_Var TComp TCompConfig TestCase TestStep TestStepGroup TestGroup Timer TS_Const TS_Op TS_Par TS_Var TTCN_ASP TTCN_ASP_Cons TTCN_CM TTCN_CM_Cons TTCN_PDU TTCN_PDU_Cons Unknown Verdict

IF_PRESENT ::= TERMINAL
Referenced from: ValueAttributes (p. 1086)

INCLUSIVE ::= TERMINAL
Referenced from: LowerEndpoint (p. 1058) UpperEndpoint (p. 1085)

INCONC ::= TERMINAL
Referenced from: Inconclusive (p. 1056) R_Value (p. 1068)

INFINITY ::= TERMINAL
Referenced from: UpperTypeBound (p. 1086) UpperBound (p. 1085) UpperRangeBound (p. 1085) UpperValueBound (p. 1086)

INTEGER ::= TERMINAL
Referenced from: PredefinedType (p. 1067)

InvalidFieldEncodingDefinition ::= TERMINAL
Referenced from: InvalidFieldEncodingDef (p. 1018)

ISO646String ::= TERMINAL
Referenced from: CharacterString (p. 1042)

Less ::= TERMINAL
Referenced from: RelOp (p. 1070)

LessOrEqual ::= TERMINAL
Referenced from: RelOp (p. 1070)

LT ::= TERMINAL
Referenced from: PCO_Role (p. 1065)

MacroSymbol ::= TERMINAL
Referenced from: ASP_ParIdOrMacro (p. 1039) PDU_FieldIdOrMacro (p. 1066) CM_ParIdOrMacro (p. 1043)

Max ::= TERMINAL
Referenced from: UpperEndValue (p. 1085)

MicroSeconds ::= TERMINAL
Referenced from: TimeUnit (p. 1081)

MilliSeconds ::= TERMINAL
Referenced from: TimeUnit (p. 1081)

Min ::= TERMINAL
Referenced from: LowerEndValue (p. 1058)

Minus ::= TERMINAL
Referenced from: AddOp (p. 1035) UnaryOp (p. 1085) SignedNumber (p. 1073)

Minus_INFINITY ::= TERMINAL
Referenced from: SpecialRealValue (p. 1075)

MinusINFINITY ::= TERMINAL
Referenced from: LowerTypeBound (p. 1058) LowerRangeBound (p. 1058)

Minutes ::= TERMINAL
Referenced from: TimeUnit (p. 1081)

Mod ::= TERMINAL
Referenced from: MultOp (p. 1060)

MTC ::= TERMINAL
Referenced from: TComp_Role (p. 1078)

Mult ::= TERMINAL
Referenced from: MultOp (p. 1060)

NanoSeconds ::= TERMINAL
Referenced from: TimeUnit (p. 1081)

NONE ::= TERMINAL
Referenced from: R_Value (p. 1068)

Not ::= TERMINAL
Referenced from: UnaryOp (p. 1085)

NotEqual ::= TERMINAL
Referenced from: RelOp (p. 1070)

NullType ::= TERMINAL
Referenced from: BuiltinType (p. 1041)

NullValue ::= TERMINAL
Referenced from: ASN1_Value (p. 1038)

Number ::= TERMINAL
Referenced from: SingleTypeLength (p. 1074) LowerTypeBound (p. 1058) UpperTypeBound (p. 1086) Bound (p. 1041) Num_PCOs (p. 1062) Num_CPs (p. 1062) LineNumber (p. 1057) Indentation (p. 1056) ValueBound (p. 1087) ComponentPosition (p. 1044) LiteralValue (p. 1058) IdOrNum (p. 1055) ClassNumber (p. 1042) NumberForm (p. 1062) Mantissa (p. 1059) Exponent (p. 1053) SignedNumber (p. 1073)

NumericString ::= TERMINAL
Referenced from: CharacterString (p. 1042)

ObjectDescriptor ::= TERMINAL
Referenced from: UsefulType (p. 1086)

ObjectIdentifierType ::= TERMINAL
Referenced from: BuiltinType (p. 1041)

Objective ::= TERMINAL
Referenced from: TestGroup (p. 1027) CompactTestGroup (p. 1013) TestStep (p. 1027) DefaultCase (p. 1014)

OCTETSTRING ::= TERMINAL
Referenced from: PredefinedType (p. 1067)

OctetStringType ::= TERMINAL
Referenced from: BuiltinType (p. 1041)

OMIT ::= TERMINAL
Referenced from: Omit (p. 1063)

OPTIONAL ::= TERMINAL
Referenced from: NamedTypeAttribute (p. 1061) PresenceConstraint (p. 1067)

Or ::= TERMINAL
Referenced from: AddOp (p. 1035)

Ostring ::= TERMINAL
Referenced from: LiteralValue (p. 1058)

PASS ::= TERMINAL
Referenced from: Pass (p. 1064) R_Value (p. 1068)

PDU ::= TERMINAL
Referenced from: TypeAndAttributes (p. 1083) FormalParType (p. 1055)

PicoSeconds ::= TERMINAL
Referenced from: TimeUnit (p. 1081)

PICS_PIXITref ::= TERMINAL
Referenced from: TS_ParDcl (p. 1030)

Plus ::= TERMINAL
Referenced from: AddOp (p. 1035) UnaryOp (p. 1085)

Plus_INFINITY ::= TERMINAL
Referenced from: SpecialRealValue (p. 1075)

PreliminaryFAIL ::= TERMINAL
Referenced from: Fail (p. 1054)

PreliminaryINCONC ::= TERMINAL
Referenced from: Inconclusive (p. 1056)

PreliminaryPASS ::= TERMINAL
Referenced from: Pass (p. 1064)

PRESENT ::= TERMINAL
Referenced from: PresenceConstraint (p. 1067)

PrintableString ::= TERMINAL
Referenced from: CharacterString (p. 1042)

PRIVATE_ ::= TERMINAL
Referenced from: ClassType (p. 1042)

PTC ::= TERMINAL
Referenced from: TComp_Role (p. 1078)

R ::= TERMINAL
Referenced from: Result (p. 1071)

R_TYPE ::= TERMINAL
Referenced from: PredefinedType (p. 1067)

RealType ::= TERMINAL
Referenced from: BuiltinType (p. 1041)

RETURN_ ::= TERMINAL
Referenced from: Construct (p. 1046)

Seconds ::= TERMINAL
Referenced from: TimeUnit (p. 1081)

SO_DefaultId ::= TERMINAL
Referenced from: SO_DefIndex (p. 1022)

SO_DefaultRef ::= TERMINAL
Referenced from: SO_DefIndex (p. 1022)

SO_Description ::= TERMINAL
Referenced from: SO_CaseIndex (p. 1022) SO_StepIndex (p. 1022) SO_DefIndex (p. 1022)

SO_Objective ::= TERMINAL
Referenced from: SO_StructureAndObjective (p. 1023)

SO_PICSRef ::= TERMINAL
Referenced from: SuiteStructure (p. 1024)

SO_PIXITRef ::= TERMINAL
Referenced from: SuiteStructure (p. 1024)

SO_SelExprId ::= TERMINAL
Referenced from: SO_StructureAndObjective (p. 1023) SO_CaseIndex (p. 1022)

SO_StandardsRef ::= TERMINAL
Referenced from: SuiteStructure (p. 1024)

SO_TestCaseId ::= TERMINAL
Referenced from: SO_CaseIndex (p. 1022)

SO_TestGroupRef ::= TERMINAL
Referenced from: SO_StructureAndObjective (p. 1023) SO_CaseIndex (p. 1022)

SO_TestMethods ::= TERMINAL
Referenced from: SuiteStructure (p. 1024)

SO_TestStepId ::= TERMINAL
Referenced from: SO_StepIndex (p. 1022)

SO_TestStepRef ::= TERMINAL
Referenced from: SO_StepIndex (p. 1022)

T61String ::= TERMINAL
Referenced from: CharacterString (p. 1042)

TeletexString ::= TERMINAL
Referenced from: CharacterString (p. 1042)

Ten ::= TERMINAL
Referenced from: Base (p. 1040)

TestGroupReference ::= TERMINAL
Referenced from: TestGroupRef (p. 1079)

TestPurpose ::= TERMINAL
Referenced from: CompactTestCase (p. 1012) TestCase (p. 1026)

TestStepGroupReference ::= TERMINAL
Referenced from: TestStepRef (p. 1080)

TIMER ::= TERMINAL
Referenced from: FormalParType (p. 1055)

TS_OpDescription ::= TERMINAL
Referenced from: TS_OpDef (p. 1030)

TS_ProcDescription ::= TERMINAL
Referenced from: TS_ProcDef (p. 1031)

Two ::= TERMINAL
Referenced from: Base (p. 1040)

UNIVERSAL ::= TERMINAL
Referenced from: ClassType (p. 1042)

UT ::= TERMINAL
Referenced from: PCO_Role (p. 1065)

UTCTime ::= TERMINAL
Referenced from: UsefulType (p. 1086)

VariationReference ::= TERMINAL
Referenced from: VariationRef (p. 1087)

VideotexString ::= TERMINAL
Referenced from: CharacterString (p. 1042)

VisibleString ::= TERMINAL
Referenced from: CharacterString (p. 1042)