

ETSI TS 103 254 V1.1.1 (2015-03)



TECHNICAL SPECIFICATION

**Methods for Testing and Specifications (MTS);
TTCN-3 Conformance Test Suite for use of XML schema;
Test Suite Structure and Test Purposes (TSS&TP)**

Reference

DTS/MTS-103254

Keywords

conformance, testing, TSS&TP, TTCN, XML

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

Important notice

The present document can be downloaded from:

<http://www.etsi.org/standards-search>

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the only prevailing document is the print of the Portable Document Format (PDF) version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at

<http://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, please send your comment to one of the following services:

<https://portal.etsi.org/People/CommitteeSupportStaff.aspx>

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.

The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2015.

All rights reserved.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members. **3GPP™** and **LTE™** are Trade Marks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

GSM® and the GSM logo are Trade Marks registered and owned by the GSM Association.

Contents

Intellectual Property Rights	5
Foreword.....	5
Modal verbs terminology.....	5
1 Scope	6
2 References	6
2.1 Normative references	6
2.2 Informative references.....	6
3 Definitions and abbreviations.....	7
3.1 Definitions.....	7
3.2 Abbreviations	7
4 Test Suite Structure (TSS).....	8
Annex A (normative): Test Purposes (TP).....	15
A.1 Introduction	15
A.1.1 Test purpose naming convention.....	15
A.1.2 Test purpose structure	15
A.1.3 Test purpose format.....	15
A.2 Test purposes for the TTCN-3 Part 9 conformance test suite	17
A.2.1 Mapping XML Schemas	17
A.2.2 Namespaces	17
A.2.3 Includes	18
A.2.4 Imports	19
A.2.5 Attributes of the XSD schema element	19
A.2.6 Name conversion rules	20
A.2.7 Order of the mapping	24
A.2.8 Built-in data types	25
A.2.9 Length	25
A.2.10 Enumeration	25
A.2.11 MinInclusive.....	27
A.2.12 MaxInclusive.....	27
A.2.13 MinExclusive	28
A.2.14 MaxExclusive.....	29
A.2.15 String.....	29
A.2.16 Name	30
A.2.17 Any URI.....	30
A.2.18 Integer	30
A.2.19 Positive integer.....	31
A.2.20 Non-positive integer.....	31
A.2.21 Negative integer	31
A.2.22 Non-negative integer	31
A.2.23 Long	32
A.2.24 Unsigned long	32
A.2.25 Int	32
A.2.26 Unsigned int	32
A.2.27 Short.....	33
A.2.28 Unsigned Short.....	33
A.2.29 Byte	33
A.2.30 Unsigned byte.....	33
A.2.31 Decimal	34
A.2.32 Float.....	34
A.2.33 Double.....	34
A.2.34 Date and time	34
A.2.35 Date	36
A.2.36 Gregorian year and month.....	37

A.2.37	Gregorian year	38
A.2.38	Boolean type.....	39
A.2.39	AnyType and anySimpleType types.....	40
A.2.40	Id	40
A.2.41	MinOccurs and maxOccurs	40
A.2.42	Default and Fixed	42
A.2.43	Form	43
A.2.44	Type.....	45
A.2.45	Use.....	45
A.2.46	Final.....	46
A.2.47	Element component.....	46
A.2.48	Attribute element definitions	47
A.2.49	Attribute group definitions	47
A.2.50	Derivation by restriction.....	47
A.2.51	Derivation by list.....	47
A.2.52	Derivation by union.....	48
A.2.53	Extending simple content	49
A.2.54	Restricting simple content	50
A.2.55	Complex content derived by extension	50
A.2.56	Complex content derived by restriction.....	51
A.2.57	Referencing group components	52
A.2.58	All content	54
A.2.59	Choice content	54
A.2.60	Choice with nested elements	55
A.2.61	Choice with nested group	55
A.2.62	Choice with nested choice	55
A.2.63	Choice with nested sequence.....	55
A.2.64	Choice with nested any.....	56
A.2.65	Sequence with nested element content	56
A.2.66	Sequence with nested group content	56
A.2.67	Sequence with nested choice content	56
A.2.68	Sequence with nested sequence content	57
A.2.69	Sequence with nested any content.....	57
A.2.70	Effect of the minOccurs and maxOccurs attributes on the mapping	57
A.2.71	Attribute definitions, attribute and attributeGroup references.....	58
A.2.72	Mixed content.....	59
A.2.73	The any element	60
A.2.74	The anyAttribute element.....	61
A.2.75	Annotation	62
A.2.76	Group components	62
A.2.77	Identity-constraint definition schema components	62
A.2.78	Head elements of substitution groups.....	63
A.2.79	TTCN-3 module XSD	64
	History	79

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: *"Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards"*, which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://ipr.etsi.org>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Methods for Testing and Specification (MTS).

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

1 Scope

The purpose of the present document is to provide Test Suite Structure and Test Purposes (TSS&TP) for the conformance test suite for using XML Schema with TTCN-3 as defined in ETSI ES 201 873-1 [5] in compliance with the relevant guidance given in the proforma for TTCN-3 reference test suite ETSI TS 102 995 [4]. In the present document only XML related features, specified in ETSI ES 201 873-9 [1] have been considered but not the core language features (see ETSI ES 201 873-1 [5]), nor tool implementation (see ETSI ES 201 873-5 [i.1] and ETSI ES 201 873-6 [i.2]), language mapping (see ETSI ES 201 873-7 [i.3] and ETSI ES 201 873-8 [i.4]) and language extension (see e.g. ETSI ES 202 781 [i.5], ETSI ES 202 784 [i.6] and ETSI ES 202 785 [i.7]) aspects.

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are necessary for the application of the present document.

- [1] ETSI ES 201 873-9 (V4.5.1): "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 9: Using XML schema with TTCN-3".
- [2] ISO/IEC 9646-1 (1994): "Information Technology - Open Systems Interconnection - Conformance Testing Methodology and Framework - Part 1: General concepts".
- [3] ISO/IEC 9646-7 (1995): "Conformance testing methodology and framework - Part 7: Implementation Conformance Statement".
- [4] ETSI TS 102 995: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Proforma for TTCN-3 reference test suite".
- [5] ETSI ES 201 873-1 (V4.5.1): "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 1: TTCN-3 Core Language".

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

- [i.1] ETSI ES 201 873-5: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 5: TTCN-3 Runtime Interface (TRI)".
- [i.2] ETSI ES 201 873-6: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 6: TTCN-3 Control Interface (TCI)".
- [i.3] ETSI ES 201 873-7: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 7: Using ASN.1 with TTCN-3".

- [i.4] ETSI ES 201 873-8: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 8: The IDL to TTCN-3 Mapping".
- [i.5] ETSI ES 202 781: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Configuration and Deployment Support".
- [i.6] ETSI ES 202 784: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Advanced Parameterization".
- [i.7] ETSI ES 202 785: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Behaviour Types".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in ISO/IEC 9646-1 [2], ISO/IEC 9646-7 [3], ETSI ES 201 873-1 [5] (TTCN-3) and the following apply:

Abstract Test Suite (ATS): test suite composed of abstract test cases

Implementation Conformance Statement (ICS): statement made by the supplier of an implementation claimed to conform to a given specification, stating which capabilities have been implemented

ICS proforma: document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS

Implementation eXtra Information for Testing (IXIT): statement made by a supplier or implementor of an IUT which contains or references all of the information related to the IUT and its testing environment, which will enable the test laboratory to run an appropriate test suite against the IUT

IXIT proforma: document, in the form of a questionnaire, which when completed for the IUT becomes the IXIT

Implementation Under Test (IUT): implementation of one or more OSI protocols in an adjacent user/provider relationship, being part of a real open system which is to be studied by testing

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

ATS	Abstract Test Suite
BNF	Backus Naur Form
ICS	Implementation Conformance Statement
IUT	Implementation under Test
IXIT	Implementation eXtra Information for Testing
SUT	System Under Test
TC	Test Case
TCI	TTCN-3 Control Interface
TP	Test Purpose
TRI	TTCN-3 Runtime Interface
TS	Test System
TSS	Test Suite Structure
TSS&TP	Test Suite Structure and Test Purposes
TTCN-3	Testing and Test Control Notation edition 3
XML	eXtensible Markup Language
XSD	XML Schema Definition
URI	Unified Resource Identifier
ASCII	American Standard Code for Information Interchange
URL	Unified Resource Locator

4 Test Suite Structure (TSS)

The Test Suite Structure is in close alignment with ETSI ES 201 873-9 [1], containing:

- a) positive tests (Table 1);
- b) negative tests (Table 2).

The execution order of the TTCN-3 tool conformance test cases is specified in the dependencies section of test purpose descriptions.

Table 1: Test suite structure, positive tests

5 Mapping XML Schemas	5.1.1 Namespaces	Pos_050101_namespaces_001
		Pos_050101_namespaces_002
		Pos_050101_namespaces_003
		Pos_050101_namespaces_004
	5.1.2 Includes	Pos_050102_includes_001
		Pos_050102_includes_002
		Pos_050102_includes_003
	5.1.3 Imports	Pos_050103_imports_001
	5.1.4 Attributes of the XSD schema element	Pos_050104_attributes_of_the_xsd_schema_element_001
		Pos_050104_attributes_of_the_xsd_schema_element_002
		Pos_050104_attributes_of_the_xsd_schema_element_003
		Pos_050104_attributes_of_the_xsd_schema_element_004
		Pos_050104_attributes_of_the_xsd_schema_element_005
		Pos_050104_attributes_of_the_xsd_schema_element_006
	5.2.2 Name conversion rules	Pos_050202_name_conversion_rules_001
		Pos_050202_name_conversion_rules_002
		Pos_050202_name_conversion_rules_003
		Pos_050202_name_conversion_rules_004
		Pos_050202_name_conversion_rules_005
		Pos_050202_name_conversion_rules_006
		Pos_050202_name_conversion_rules_007
		Pos_050202_name_conversion_rules_008
		Pos_050202_name_conversion_rules_009
		Pos_050202_name_conversion_rules_010
		Pos_050202_name_conversion_rules_011
		Pos_050202_name_conversion_rules_012
		Pos_050202_name_conversion_rules_013
		Pos_050202_name_conversion_rules_014
		Pos_050202_name_conversion_rules_015
		Pos_050202_name_conversion_rules_016
		Pos_050202_name_conversion_rules_017
		Pos_050202_name_conversion_rules_018
		Pos_050202_name_conversion_rules_019
Pos_050202_name_conversion_rules_020		
Pos_050202_name_conversion_rules_021		
Pos_050202_name_conversion_rules_022		
Pos_050202_name_conversion_rules_023		
5.2.3 Order of the mapping	Pos_050203_order_of_the_mapping_001	
	Pos_050203_order_of_the_mapping_002	
	Pos_050203_order_of_the_mapping_003	

6 Built-in data types	Top level	Pos_06_top_level_001
	6.1.1 Length	Pos_060101_length_001
		Pos_060101_length_002
	6.1.5 Enumeration	Pos_060105_enumeration_001
		Pos_060105_enumeration_002
		Pos_060105_enumeration_003
		Pos_060105_enumeration_004
		Pos_060105_enumeration_005
	6.1.7 MinInclusive	Pos_060107_mininclusive_001
		Pos_060107_mininclusive_002
		Pos_060107_mininclusive_003
		Pos_060107_mininclusive_004
		Pos_060107_mininclusive_005
	6.1.8 MaxInclusive	Pos_060108_maxinclusive_001
		Pos_060108_maxinclusive_002
		Pos_060108_maxinclusive_003
		Pos_060108_maxinclusive_004
	6.1.9 MinExclusive	Pos_060109_minexclusive_001
		Pos_060109_minexclusive_002
	6.1.10 MaxExclusive	Pos_060110_maxexclusive_001
		Pos_060110_maxexclusive_002
		Pos_060110_maxexclusive_003
	6.2.1 String	Pos_060201_string_001
	6.2.4 Name	Pos_060204_name_001
	6.2.12 Any URI	Pos_060212_any_uri_001
	6.3.1 Integer	Pos_060301_integer_001
	6.3.2 Positive integer	Pos_060302_positive_integer_001
	6.3.3 Non-positive integer	Pos_060303_non_positive_integer_001
	6.3.4 Negative integer	Pos_060304_negative_integer_001
	6.3.5 Non-negative integer	Pos_060305_non_negative_integer_001
	6.3.6 Long	Pos_060306_long_001
	6.3.7 Unsigned long	Pos_060307_unsigned_long_001
	6.3.8 Int	Pos_060308_int_001
	6.3.9 Unsigned int	Pos_060309_unsigned_int_001
	6.3.10 Short	Pos_060310_short_001
	6.3.11 Unsigned Short	Pos_060311_unsigned_short_001
	6.3.12 Byte	Pos_060312_byte_001
	6.3.13 Unsigned byte	Pos_060313_unsigned_byte_001
	6.4.1 Decimal	Pos_060401_decimal_001
	6.4.2 Float	Pos_060402_float_001
	6.4.3 Double	Pos_060403_double_001
	6.5.2 Date and time	Pos_060502_date_and_time_001
		Pos_060502_date_and_time_002
		Pos_060502_date_and_time_003
		Pos_060502_date_and_time_004
	6.5.4 Date	Pos_060504_date_001
		Pos_060504_date_002
Pos_060504_date_003		
Pos_060504_date_004		
6.5.5 Gregorian year and month	Pos_060505_gregorian_year_and_month_001	
	Pos_060505_gregorian_year_and_month_002	
6.5.6 Gregorian year	Pos_060506_gregorian_year_001	
	Pos_060506_gregorian_year_002	
	Pos_060506_gregorian_year_003	
	Pos_060506_gregorian_year_004	
	Pos_060506_gregorian_year_005	
	Pos_060506_gregorian_year_006	
6.7 Boolean type	Pos_0607_boolean_type_001	
	Pos_0607_boolean_type_002	

	6.8 AnyType and anySimpleType types	Pos_0608_anytype_and_anysimpletype_types_001 Pos_0608_anytype_and_anysimpletype_types_002
7 Mapping XSD components	7.1.1 Id	Pos_070101_id_001 Pos_070101_id_002
	7.1.4 MinOccurs and maxOccurs	Pos_070104_minoccurs_and_maxoccurs_001 Pos_070104_minoccurs_and_maxoccurs_002 Pos_070104_minoccurs_and_maxoccurs_003 Pos_070104_minoccurs_and_maxoccurs_004 Pos_070104_minoccurs_and_maxoccurs_005 Pos_070104_minoccurs_and_maxoccurs_006 Pos_070104_minoccurs_and_maxoccurs_007
	7.1.5 Default and Fixed	Pos_070105_default_and_fixed_001 Pos_070105_default_and_fixed_002 Pos_070105_default_and_fixed_003 Pos_070105_default_and_fixed_004
	7.1.6 Form	Pos_070106_form_001 Pos_070106_form_002 Pos_070106_form_003 Pos_070106_form_004 Pos_070106_form_005 Pos_070106_form_006 Pos_070106_form_007 Pos_070106_form_008
	7.1.7 Type	Pos_070107_type_001 Pos_070107_type_002 Pos_070107_type_003
	7.1.12 Use	Pos_070112_use_001 Pos_070112_use_002 Pos_070112_use_003
	7.1.14 Final	Pos_070114_final_001
	7.3 Element component	Pos_0703_element_component_001 Pos_0703_element_component_002 Pos_0703_element_component_003 Pos_0703_element_component_004
	7.4.1 Attribute element definitions	Pos_070401_attribute_element_definitions_001
	7.4.2 Attribute group definitions	Pos_070402_attribute_group_definitions_001
	7.5.1 Derivation by restriction	Pos_070501_derivation_by_restriction_001
	7.5.2 Derivation by list	Pos_070502_derivation_by_list_001 Pos_070502_derivation_by_list_002 Pos_070502_derivation_by_list_003 Pos_070502_derivation_by_list_004 Pos_070502_derivation_by_list_005
	7.5.3 Derivation by union	Pos_070503_derivation_by_union_001 Pos_070503_derivation_by_union_002 Pos_070503_derivation_by_union_003 Pos_070503_derivation_by_union_004 Pos_070503_derivation_by_union_005 Pos_070503_derivation_by_union_006
	7.6.1.1 Extending simple content	Pos_07060101_extending_simple_content_001
	7.6.1.2 Restricting simple content	Pos_07060102_restricting_simple_content_001
	7.6.2.1 Complex content derived by extension	Pos_07060201_derived_by_extension_001 Pos_07060201_derived_by_extension_002 Pos_07060201_derived_by_extension_003 Pos_07060201_derived_by_extension_004 Pos_07060201_derived_by_extension_005 Pos_07060201_derived_by_extension_006 Pos_07060201_derived_by_extension_007

	Pos_07060201_derived_by_extension_008
	Pos_07060201_derived_by_extension_009
7.6.2.2 Complex content derived by restriction	Pos_07060202_derived_by_restriction_001
7.6.3 Referencing group components	Pos_070603_referencing_group_components_001
	Pos_070603_referencing_group_components_002
	Pos_070603_referencing_group_components_003
	Pos_070603_referencing_group_components_004
	Pos_070603_referencing_group_components_005
	Pos_070603_referencing_group_components_006
	Pos_070603_referencing_group_components_007
	Pos_070603_referencing_group_components_008
	Pos_070603_referencing_group_components_009
	Pos_070603_referencing_group_components_010
7.6.4 All content	Pos_070604_all_content_001
	Pos_070604_all_content_002
	Pos_070604_all_content_003
	Pos_070604_all_content_004
7.6.5 Choice content	Pos_070605_top_level_001
	Pos_070605_top_level_002
7.6.5.1 Choice with nested elements	Pos_07060501_choice_with_nested_elements_001
7.6.5.2 Choice with nested group	Pos_07060502_choice_with_nested_group_001
7.6.5.3 Choice with nested choice	Pos_07060503_choice_with_nested_choice_001
7.6.5.4 Choice with nested sequence	Pos_07060504_choice_with_nested_sequence_001
	Pos_07060504_choice_with_nested_sequence_002
7.6.5.5 Choice with nested any	Pos_07060505_choice_with_nested_any_001
7.6.6.1 Sequence with nested element content	Pos_07060601_sequence_with_nested_element_001
7.6.6.2 Sequence with nested group content	Pos_07060602_sequence_with_nested_group_001
7.6.6.3 Sequence with nested choice content	Pos_07060603_sequence_with_nested_choice_001
7.6.6.4 Sequence with nested sequence content	Pos_07060604_sequence_with_nested_sequence_001
	Pos_07060604_sequence_with_nested_sequence_002
7.6.6.5 Sequence with nested any content	Pos_07060605_sequence_with_nested_any_content_001
7.6.6.6 Effect of the minOccurs and maxOccurs attributes on the mapping	Pos_07060606_effect_of_minoccurs_and_maxoccurs_001
	Pos_07060606_effect_of_minoccurs_and_maxoccurs_002
	Pos_07060606_effect_of_minoccurs_and_maxoccurs_003
	Pos_07060606_effect_of_minoccurs_and_maxoccurs_004
7.6.7 Attribute definitions, attribute and attributeGroup references	Pos_070607_attribute_definitions_attribute_and_attributegroup_references_001
	Pos_070607_attribute_definitions_attribute_and_attributegroup_references_002
	Pos_070607_attribute_definitions_attribute_and_attributegroup_references_003
7.6.8 Mixed content	Pos_070608_mixed_content_001
	Pos_070608_mixed_content_002
	Pos_070608_mixed_content_003
	Pos_070608_mixed_content_004
	Pos_070608_mixed_content_005
7.7.1 The any element	Pos_070701_the_any_element_001
	Pos_070701_the_any_element_002
	Pos_070701_the_any_element_003
	Pos_070701_the_any_element_004
	Pos_070701_the_any_element_005

		Pos_070701_the_any_element_006
	7.7.2 The anyAttribute element	Pos_070702_the_anyattribute_element_001
		Pos_070702_the_anyattribute_element_002
		Pos_070702_the_anyattribute_element_003
		Pos_070702_the_anyattribute_element_004
		Pos_070702_the_anyattribute_element_005
	7.8 Annotation	Pos_0708_annotation_001
	7.9 Group components	Pos_0709_group_components_001
		Pos_0709_group_components_002
		Pos_0709_group_components_003
	7.10 Identity-constraint definition schema components	Pos_0710_identity_constraint_definition_schema_components_001
		Pos_0710_identity_constraint_definition_schema_components_002
		Pos_0710_identity_constraint_definition_schema_components_003
8 Substitutions	8.1.1 Head elements of substitution groups	Pos_080101_head_elements_of_substitution_groups_001
		Pos_080101_head_elements_of_substitution_groups_002
		Pos_080101_head_elements_of_substitution_groups_003
A Annex A (normative): TTCN-3 module XSD	Top level	Pos_A_ttcn3_module_xsd_001
		Pos_A_ttcn3_module_xsd_002
		Pos_A_ttcn3_module_xsd_003
		Pos_A_ttcn3_module_xsd_004
		Pos_A_ttcn3_module_xsd_005
		Pos_A_ttcn3_module_xsd_006
		Pos_A_ttcn3_module_xsd_007
		Pos_A_ttcn3_module_xsd_008
		Pos_A_ttcn3_module_xsd_009
		Pos_A_ttcn3_module_xsd_010
		Pos_A_ttcn3_module_xsd_011
		Pos_A_ttcn3_module_xsd_012
		Pos_A_ttcn3_module_xsd_013
		Pos_A_ttcn3_module_xsd_014
		Pos_A_ttcn3_module_xsd_015
		Pos_A_ttcn3_module_xsd_016
		Pos_A_ttcn3_module_xsd_017
		Pos_A_ttcn3_module_xsd_018
		Pos_A_ttcn3_module_xsd_019
		Pos_A_ttcn3_module_xsd_020
		Pos_A_ttcn3_module_xsd_021
		Pos_A_ttcn3_module_xsd_022
		Pos_A_ttcn3_module_xsd_023
		Pos_A_ttcn3_module_xsd_024
		Pos_A_ttcn3_module_xsd_025
		Pos_A_ttcn3_module_xsd_026
		Pos_A_ttcn3_module_xsd_027
		Pos_A_ttcn3_module_xsd_028
		Pos_A_ttcn3_module_xsd_029
		Pos_A_ttcn3_module_xsd_030
		Pos_A_ttcn3_module_xsd_031
		Pos_A_ttcn3_module_xsd_032
		Pos_A_ttcn3_module_xsd_033
		Pos_A_ttcn3_module_xsd_034
		Pos_A_ttcn3_module_xsd_035
		Pos_A_ttcn3_module_xsd_036
		Pos_A_ttcn3_module_xsd_037
		Pos_A_ttcn3_module_xsd_038
		Pos_A_ttcn3_module_xsd_039
		Pos_A_ttcn3_module_xsd_040
		Pos_A_ttcn3_module_xsd_041
		Pos_A_ttcn3_module_xsd_042
		Pos_A_ttcn3_module_xsd_043
		Pos_A_ttcn3_module_xsd_044
		Pos_A_ttcn3_module_xsd_045
		Pos_A_ttcn3_module_xsd_046

	Pos_A_ttcn3_module_xsd_047
	Pos_A_ttcn3_module_xsd_048

Table 2: Test suite structure, negative tests

5 Mapping XML Schemas	Top level	Neg_05_top_level_001
	5.1.3 Imports	Neg_050103_imports_001
6 Built-in data types	6.1.1 Length	Neg_060101_length_001
	6.1.5 Enumeration	Neg_060105_enumeration_001
		Neg_060105_enumeration_002
	6.1.9 MinExclusive	Neg_060109_minexclusive_001
		Neg_060109_minexclusive_002
	6.1.10 MaxExclusive	Neg_060110_maxexclusive_001
	6.2.12 Any URI	Neg_060212_any_uri_001
		Neg_060212_any_uri_002
	6.5.2 Date and time	Neg_060502_date_and_time_001
		Neg_060502_date_and_time_002
		Neg_060502_date_and_time_003
		Neg_060502_date_and_time_004
	6.5.4 Date	Neg_060504_date_001
		Neg_060504_date_002
		Neg_060504_date_003
Neg_060504_date_004		
6.5.5 Gregorian year and month	Neg_060505_gregorian_year_and_month_001	
	Neg_060505_gregorian_year_and_month_002	
	Neg_060505_gregorian_year_and_month_003	
	Neg_060505_gregorian_year_and_month_004	
6.5.6 Gregorian year	Neg_060506_gregorian_year_001	
7 Mapping XSD components	7.1.4 MinOccurs and maxOccurs	Neg_070104_minoccurs_and_maxoccurs_001
		Neg_070104_minoccurs_and_maxoccurs_002
		Neg_070104_minoccurs_and_maxoccurs_003
	7.1.5 Default and Fixed	Neg_070105_default_and_fixed_001
	7.1.12 Use	Neg_070112_use_001
	7.5.2 Derivation by list	Neg_070502_derivation_by_list_001
Neg_070502_derivation_by_list_002		
7.6.1.2 Restricting simple content	Neg_07060102_restricting_simple_content_001	
A Annex A (normative): TTCN-3 module XSD	Top level	Neg_A_ttcn3_module_xsd_001
		Neg_A_ttcn3_module_xsd_002
		Neg_A_ttcn3_module_xsd_003
		Neg_A_ttcn3_module_xsd_004
		Neg_A_ttcn3_module_xsd_005
		Neg_A_ttcn3_module_xsd_006
		Neg_A_ttcn3_module_xsd_007
		Neg_A_ttcn3_module_xsd_008
		Neg_A_ttcn3_module_xsd_009
		Neg_A_ttcn3_module_xsd_010
		Neg_A_ttcn3_module_xsd_011
		Neg_A_ttcn3_module_xsd_012
		Neg_A_ttcn3_module_xsd_013
		Neg_A_ttcn3_module_xsd_014
		Neg_A_ttcn3_module_xsd_015
		Neg_A_ttcn3_module_xsd_016
		Neg_A_ttcn3_module_xsd_017
		Neg_A_ttcn3_module_xsd_018
		Neg_A_ttcn3_module_xsd_019
		Neg_A_ttcn3_module_xsd_020
		Neg_A_ttcn3_module_xsd_021
		Neg_A_ttcn3_module_xsd_022
		Neg_A_ttcn3_module_xsd_023
		Neg_A_ttcn3_module_xsd_024
		Neg_A_ttcn3_module_xsd_025
		Neg_A_ttcn3_module_xsd_026

		Neg_A_ttcn3_module_xsd_027
		Neg_A_ttcn3_module_xsd_028
		Neg_A_ttcn3_module_xsd_029
		Neg_A_ttcn3_module_xsd_030
		Neg_A_ttcn3_module_xsd_031
		Neg_A_ttcn3_module_xsd_032
		Neg_A_ttcn3_module_xsd_033
		Neg_A_ttcn3_module_xsd_034
		Neg_A_ttcn3_module_xsd_035
		Neg_A_ttcn3_module_xsd_036
		Neg_A_ttcn3_module_xsd_037
		Neg_A_ttcn3_module_xsd_038
		Neg_A_ttcn3_module_xsd_039
		Neg_A_ttcn3_module_xsd_040
		Neg_A_ttcn3_module_xsd_041
		Neg_A_ttcn3_module_xsd_042
		Neg_A_ttcn3_module_xsd_043
		Neg_A_ttcn3_module_xsd_044
		Neg_A_ttcn3_module_xsd_045
		Neg_A_ttcn3_module_xsd_046
		Neg_A_ttcn3_module_xsd_047
		Neg_A_ttcn3_module_xsd_048

Annex A (normative): Test Purposes (TP)

For each test requirement a Test Purpose (TP) is defined. Test purposes shall be defined in a dedicated test purpose document as well as with TTCN-3 documentation tags in each test case of the ATS. Both documentations shall convey the same information for each test purpose.

A.1 Introduction

A.1.1 Test purpose naming convention

The test purpose naming scheme corresponds to the test case identifier naming scheme and vice-versa.

A.1.2 Test purpose structure

The test purpose structure is according to the test suite structure (TSS).

A.1.3 Test purpose format

In the following, examples for tabular test purpose descriptions are shown that shall be defined in the test purpose document. This representation is a direct mapping of the contents of the document tags in the ATS (such as @purpose, @remark, or @verdict). The tabular descriptions are presented along with their corresponding TTCN-3 documentation tag equivalent. The test purpose reference shall be provided in a machine-readable format.

Test Purpose Id	TP_Neg_05_top_level_001
Reference	ETSI ES 201 873-9 [1], clause 5
ICS	None
Dependencies	None
Summary	Verify that error is generated for missing XSD language tag in import clause
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution.
Notes	

A corresponding TTCN-3 module addressing TP_Neg_05_top_level_001 is the following:

```

/*****
** @author   STF 475
** @version  0.0.1
** @purpose  9:5, Verify that error is generated for missing XSD language tag in import clause
** @verdict  pass reject
*****/

// The following requirements are tested:
// When importing from an XSD Schema, the following language identifier string shall be used: "XSD"

module Neg_05_top_level_001 {
  import from schema_Neg_05_top_level_001 all;
  template MyType m_msg := 1;
  /**
   * @desc The timeout given in seconds after which the test case will be stopped.
   */
  modulepar float PX_TC_EXECUTION_TIMEOUT := 5.0;

  type universal charstring Raw;
  type port P message {
    inout all;
  }
  type component C {
    port P p;
  }

  testcase TC_Neg_05_top_level_001() runs on C system C {
    map(self:p, system:p);
    // encode the message
    p.send(m_msg);
    log("template should either be rejected by compiler or by runtime latest while encoding");
  }
}

```

```

        setverdict(fail, "Invalid template should not be encoded");
        unmap(self:p, system:p);
    }
    control {
        execute(TC_Neg_05_top_level_001(),PX_TC_EXECUTION_TIMEOUT);
    }
}

```

Test Purpose Id	TP_Pos_050101_namespaces_001
Reference	ETSI ES 201 873-9 [1], clause 5.1.1
ICS	None
Dependencies	None
Summary	Verify that schema with target namespace is correctly translated into single module
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution.
Notes	

A corresponding TTCN-3 module for TP_Pos_050101_namespaces_001 is the following:

```

/*****
** @author   STF 475
** @version  0.0.1
** @purpose  9:5.1.1, Verify that schema with target namespace is correctly translated into single
module
** @verdict  pass accept, ttcn3verdict:pass
*****/
// The following requirements are tested:
// A single XML Schema may be composed of a single or several schema element information
// items, and shall be translated to one or more TTCN-3 modules, corresponding to schema
// components that have the same target namespace. For XSD schemas with the same target
// namespace (including absence of the target namespace) exactly one TTCN-3 module shall
// be generated.

module Pos_050101_namespaces_001 {
    import from schema_Pos_050101_namespaces_001 language "XSD" all;
    template MyType m_msg := 1;
    /**
    * @desc The timeout given in seconds after which the test case will be stopped.
    */
    modulepar float PX_TC_EXECUTION_TIMEOUT := 5.0;
    type universal charstring Raw;
    type universal charstring File;
    type record of File FileList;
    type port P message {
        inout all;
    }
    type component C {
        port P;
    }
}

/**
* @desc lexical compare the charstring p_textToMatch with the contents of the reference XML
file and returns true if they represent the same XML structure
* @param p_textToMatch text to be compared with the UTF-8 contents of the XML file
* @param p_referenceXmlFile the XML file
* @param p_xsdFileList the list of XSD files
* @param p_matchError the error result in case it did not match
* @param p_referenceTTCN3File the file of the TTCN-3 test module. This path is used to find the
reference XML file relative to this path, by keeping the TTCN-3 code file system independent.
* @return true if p_textToMatch and the contents of p_referenceXmlFile represent the same XML
structure
*/
external function matchFile(Raw p_textToMatch, File p_referenceXmlFile, FileList p_xsdFileList,
out universal charstring p_matchError, File p_referenceTTCN3File := __FILE__) return boolean;

testcase TC_Pos_050101_namespaces_001() runs on C system C {
    var Raw v_rcv;
    var universal charstring v_matchError;
    map(self:p, system:p);
    // encode the message
    p.send(m_msg);
    alt {
        // compare the encoded message with the reference XML file
        [] p.check(receive(Raw:?) -> value v_rcv) {
            log("XML message ", v_rcv);

```



```

        if (matchFile(v_rcv, "Pos_050101_namespaces_001.xml", {
"Pos_050101_namespaces_001.xsd" }, v_matchError)) {
            alt {
                // match decoded value to pass test
                [] p.receive(m_msg) {
                    setverdict(pass, "Decoded value matches encoded template and reference
XML");
                }
                [] p.receive {
                    setverdict(fail, "XML decoding failure");
                }
            }
        } else {
            setverdict(fail, v_matchError);
        }
    }
    [] p.receive {
        setverdict(fail, "Raw decoding failure");
    }
}
}
control {
    execute(TC_Pos_050101_namespaces_001(), 5.0);
}
}

```

A.2 Test purposes for the TTCN-3 Part 9 conformance test suite

A.2.1 Mapping XML Schemas

Test Purpose Id	TP_Neg_05_top_level_001
Reference	ETSI ES 201 873-9 [1], clause 5
ICS	None
Dependencies	None
Summary	Verify that error is generated for missing XSD language tag in import clause
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.2 Namespaces

Test Purpose Id	TP_Pos_050101_namespaces_001
Reference	ETSI ES 201 873-9 [1], clause 5.1.1
ICS	None
Dependencies	None
Summary	Verify that schema with target namespace is correctly translated into single module
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050101_namespaces_002
Reference	ETSI ES 201 873-9 [1], clause 5.1.1
ICS	None
Dependencies	None
Summary	Verify schema with no target namespace is correctly translated into single module
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050101_namespaces_003
Reference	ETSI ES 201 873-9 [1], clause 5.1.1
ICS	None
Dependencies	None
Summary	Verify that two schemas with the same target namespace are correctly translated
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050101_namespaces_004
Reference	ETSI ES 201 873-9 [1], clause 5.1.1
ICS	None
Dependencies	None
Summary	Verify that two schemas with no target namespace are correctly translated
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.3 Includes

Test Purpose Id	TP_Pos_050102_includes_001
Reference	ETSI ES 201 873-9 [1], clause 5.1.2
ICS	None
Dependencies	None
Summary	Test inclusion of a schema with the same namespace
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050102_includes_002
Reference	ETSI ES 201 873-9 [1], clause 5.1.2
ICS	None
Dependencies	None
Summary	Verify that included schema with no target namespace is transformed twice (inclusion)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050102_includes_003
Reference	ETSI ES 201 873-9 [1], clause 5.1.2
ICS	None
Dependencies	None
Summary	Verify that included schema with no target namespace is transformed twice (no namespace)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.4 Imports

Test Purpose Id	TP_Pos_050103_imports_001
Reference	ETSI ES 201 873-9 [1], clause 5.1.3
ICS	None
Dependencies	None
Summary	Verify that XSD import statement is handled correctly
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_050103_imports_001
Reference	ETSI ES 201 873-9 [1], clause 5.1.3
ICS	None
Dependencies	None
Summary	Verify that it is not allowed to import imports from XSD schemas
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.5 Attributes of the XSD schema element

Test Purpose Id	TP_Pos_050104_attributes_of_the_xsd_schema_element_001
Reference	ETSI ES 201 873-9 [1], clause 5.1.4
ICS	None
Dependencies	None
Summary	Verify that qualified default element form is correctly processed (no namespace prefix)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050104_attributes_of_the_xsd_schema_element_002
Reference	ETSI ES 201 873-9 [1], clause 5.1.4
ICS	None
Dependencies	None
Summary	Verify that qualified default element form is correctly processed (namespace prefix used)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050104_attributes_of_the_xsd_schema_element_003
Reference	ETSI ES 201 873-9 [1], clause 5.1.4
ICS	None
Dependencies	None
Summary	Verify that unqualified default element form is correctly processed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050104_attributes_of_the_xsd_schema_element_004
Reference	ETSI ES 201 873-9 [1], clause 5.1.4
ICS	None
Dependencies	None
Summary	Verify that qualified default attribute form is correctly processed (no namespace prefix)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050104_attributes_of_the_xsd_schema_element_005
Reference	ETSI ES 201 873-9 [1], clause 5.1.4
ICS	None
Dependencies	None
Summary	Verify that qualified default attribute form is correctly processed (namespace prefix used)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050104_attributes_of_the_xsd_schema_element_006
Reference	ETSI ES 201 873-9 [1], clause 5.1.4
ICS	None
Dependencies	None
Summary	Verify that unqualified default attribute form is correctly processed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.6 Name conversion rules

Test Purpose Id	TP_Pos_050202_name_conversion_rules_001
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify conversion of symbols into U+005f (low line)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_002
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that non-ASCII letters are not present in transforming identifiers
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_003
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	TODO: add description
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_004
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that leading and trailing low lines are removed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_005
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that type names are capitalized
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_006
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that prefixing type names with "X" works correctly
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_007
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that names of field of structure types are uncapitalized
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_008
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that names of enumerated items are uncapitalized
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_009
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that prefixing field names of structured types with "x" works correctly
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_010
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that prefixing enumerated items with "x" works correctly
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_011
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Check transformation of empty type identifier into "X"
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_012
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Check transformation of empty structured field identifier into "x"
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_013
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Check transformation of empty enumerated value into "x"
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_014
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that additional suffices are attached in case of name clashes between types
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_015
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that suffix is attached in case of name clash between types and local module
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_016
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that suffix is attached in case of name clash between types and imported module
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_017
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that suffix is attached in case of name clash between field names
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_018
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that suffix is attached in case of name clash between field name and keyword
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_019
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that suffix is attached in case of name clash between field name and predefined function
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_020
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that suffix is attached in case of name clash between enumerated items
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_021
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that suffix is attached in case of name clash between enumerated item and keyword
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_022
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that suffix is attached in case of name clash between enumerated item and predefined function
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050202_name_conversion_rules_023
Reference	ETSI ES 201 873-9 [1], clause 5.2.2
ICS	None
Dependencies	None
Summary	Verify that name clash between module names is resolved using suffix
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.7 Order of the mapping

Test Purpose Id	TP_Pos_050203_order_of_the_mapping_001
Reference	ETSI ES 201 873-9 [1], clause 5.2.3
ICS	None
Dependencies	None
Summary	Verify order of top-level schema components
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050203_order_of_the_mapping_002
Reference	ETSI ES 201 873-9 [1], clause 5.2.3
ICS	None
Dependencies	None
Summary	Verify that alphabetical sorting is based on character ordinal numbers
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_050203_order_of_the_mapping_003
Reference	ETSI ES 201 873-9 [1], clause 5.2.3
ICS	None
Dependencies	None
Summary	Verify that alphabetical sorting is done only inside sets of items
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.8 Built-in data types

Test Purpose Id	TP_Pos_06_top_level_001
Reference	ETSI ES 201 873-9 [1], clause 6
ICS	None
Dependencies	None
Summary	Verify conversion of simpleType based on built-in XSD type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.9 Length

Test Purpose Id	TP_Pos_060101_length_001
Reference	ETSI ES 201 873-9 [1], clause 6.1.1
ICS	None
Dependencies	None
Summary	Verify that a length-restricted XSD type shall be mapped to a corresponding length restricted TTCN 3 type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060101_length_002
Reference	ETSI ES 201 873-9 [1], clause 6.1.1
ICS	None
Dependencies	None
Summary	Verify that a length-restricted XSD type shall be mapped to a corresponding length restricted TTCN 3 type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_060101_length_001
Reference	ETSI ES 201 873-9 [1], clause 6.1.1
ICS	None
Dependencies	None
Summary	Verify that a length-restricted XSD type shall be mapped to a corresponding length restricted TTCN 3 type
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.10 Enumeration

Test Purpose Id	TP_Pos_060105_enumeration_001
Reference	ETSI ES 201 873-9 [1], clause 6.1.5
ICS	None
Dependencies	None
Summary	Verify mapping of simple type definition that is a restriction of
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060105_enumeration_002
Reference	ETSI ES 201 873-9 [1], clause 6.1.5
ICS	None
Dependencies	None
Summary	Verify mapping of simple type definition that is a restriction of
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060105_enumeration_003
Reference	ETSI ES 201 873-9 [1], clause 6.1.5
ICS	None
Dependencies	None
Summary	Verify mapping of simple type definition that is a restriction of
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060105_enumeration_004
Reference	ETSI ES 201 873-9 [1], clause 6.1.5
ICS	None
Dependencies	None
Summary	Verify mapping of simple type definition that is a restriction of
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060105_enumeration_005
Reference	ETSI ES 201 873-9 [1], clause 6.1.5
ICS	None
Dependencies	None
Summary	Verify mapping of simple type definition that is a restriction of another
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_060105_enumeration_001
Reference	ETSI ES 201 873-9 [1], clause 6.1.5
ICS	None
Dependencies	None
Summary	Verify if tool rejects validation in case of restricted value due xsd type declaration
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060105_enumeration_002
Reference	ETSI ES 201 873-9 [1], clause 6.1.5
ICS	None
Dependencies	None
Summary	Verify if tool rejects validation in case of restricted enumerated value length due xsd type declaration
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.11 MinInclusive

Test Purpose Id	TP_Pos_060107_mininclusive_001
Reference	ETSI ES 201 873-9 [1], clause 6.1.7
ICS	None
Dependencies	None
Summary	Verify mapping of an integer element with a minInclusive facet
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060107_mininclusive_002
Reference	ETSI ES 201 873-9 [1], clause 6.1.7
ICS	None
Dependencies	None
Summary	Verify mapping of a float element with a numeric minInclusive value
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060107_mininclusive_003
Reference	ETSI ES 201 873-9 [1], clause 6.1.7
ICS	None
Dependencies	None
Summary	Verify mapping of a float element with special minInclusive values
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060107_mininclusive_004
Reference	ETSI ES 201 873-9 [1], clause 6.1.7
ICS	None
Dependencies	None
Summary	Verify mapping of a float element with special minInclusive values
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060107_mininclusive_005
Reference	ETSI ES 201 873-9 [1], clause 6.1.7
ICS	None
Dependencies	None
Summary	Verify mapping of a float element with special minInclusive values
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.12 MaxInclusive

Test Purpose Id	TP_Pos_060108_maxinclusive_001
Reference	ETSI ES 201 873-9 [1], clause 6.1.8
ICS	None
Dependencies	None
Summary	Verify mapping of elements of type integer with maxInclusive facet
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060108_maxinclusive_002
Reference	ETSI ES 201 873-9 [1], clause 6.1.8
ICS	None
Dependencies	None
Summary	Verify mapping of a float type with a numeric maxInclusive facet
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060108_maxinclusive_003
Reference	ETSI ES 201 873-9 [1], clause 6.1.8
ICS	None
Dependencies	None
Summary	Verify mapping of a float type with a numeric maxInclusive facet
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060108_maxinclusive_004
Reference	ETSI ES 201 873-9 [1], clause 6.1.8
ICS	None
Dependencies	None
Summary	Verify mapping of a float type with a numeric maxInclusive facet
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.13 MinExclusive

Test Purpose Id	TP_Pos_060109_minexclusive_001
Reference	ETSI ES 201 873-9 [1], clause 6.1.9
ICS	None
Dependencies	None
Summary	Verify if tool accepts values restricted by xsd type declaration
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060109_minexclusive_002
Reference	ETSI ES 201 873-9 [1], clause 6.1.9
ICS	None
Dependencies	None
Summary	Verify if tool accepts values restricted by xsd type declaration
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_060109_minexclusive_001
Reference	ETSI ES 201 873-9 [1], clause 6.1.9
ICS	None
Dependencies	None
Summary	Verify if tool rejects validation in case of restricted value due xsd type declaration
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060109_minexclusive_002
Reference	ETSI ES 201 873-9 [1], clause 6.1.9
ICS	None
Dependencies	None
Summary	Verify if tool rejects validation in case of restricted value due xsd type declaration
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.14 MaxExclusive

Test Purpose Id	TP_Pos_060110_maxexclusive_001
Reference	ETSI ES 201 873-9 [1], clause 6.1.10
ICS	None
Dependencies	None
Summary	Verify mapping of a maxExclusive facet applied to a type, which is derivative of integer
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060110_maxexclusive_002
Reference	ETSI ES 201 873-9 [1], clause 6.1.10
ICS	None
Dependencies	None
Summary	Verify mapping of a maxExclusive facet applied to the float type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060110_maxexclusive_003
Reference	ETSI ES 201 873-9 [1], clause 6.1.10
ICS	None
Dependencies	None
Summary	Verify mapping of a maxExclusive facet applied to the float type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_060110_maxexclusive_001
Reference	ETSI ES 201 873-9 [1], clause 6.1.10
ICS	None
Dependencies	None
Summary	Verify that INF (negative infinity) or NaN (not-a-number), this type shall not be translated to TTCN-3
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.15 String

Test Purpose Id	TP_Pos_060201_string_001
Reference	ETSI ES 201 873-9 [1], clause 6.2.1
ICS	None
Dependencies	None
Summary	Verify mapping of a string type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.16 Name

Test Purpose Id	TP_Pos_060204_name_001
Reference	ETSI ES 201 873-9 [1], clause 6.2.4
ICS	None
Dependencies	None
Summary	Verify mapping of a Name type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.17 Any URI

Test Purpose Id	TP_Pos_060212_any_uri_001
Reference	ETSI ES 201 873-9 [1], clause 6.2.12
ICS	None
Dependencies	None
Summary	Verify mapping of an anyURI type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_060212_any_uri_001
Reference	ETSI ES 201 873-9 [1], clause 6.2.12
ICS	None
Dependencies	None
Summary	Verify mapping of an anyURI type
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060212_any_uri_002
Reference	ETSI ES 201 873-9 [1], clause 6.2.12
ICS	None
Dependencies	None
Summary	Verify mapping of an anyURI type
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.18 Integer

Test Purpose Id	TP_Pos_060301_integer_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.1
ICS	None
Dependencies	None
Summary	Verify that the integer type shall be translated to TTCN-3 as a plain integer
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.19 Positive integer

Test Purpose Id	TP_Pos_060302_positive_integer_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.2
ICS	None
Dependencies	None
Summary	Verify that the integer type shall be translated to TTCN-3 as the range-restricted integer
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.20 Non-positive integer

Test Purpose Id	TP_Pos_060303_non_positive_integer_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.3
ICS	None
Dependencies	None
Summary	Verify that the non positive integer type shall be translated to TTCN-3 as the range-restricted integer
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.21 Negative integer

Test Purpose Id	TP_Pos_060304_negative_integer_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.4
ICS	None
Dependencies	None
Summary	Verify that the negative integer type shall be translated to TTCN-3 as the range-restricted integer
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.22 Non-negative integer

Test Purpose Id	TP_Pos_060305_non_negative_integer_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.5
ICS	None
Dependencies	None
Summary	Verify that the non negative integer type shall be translated to TTCN-3 as the range-restricted integer
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.23 Long

Test Purpose Id	TP_Pos_060306_long_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.6
ICS	None
Dependencies	None
Summary	Verify that long type (64bit) shall be translated to TTCN-3 as a plain long long
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.24 Unsigned long

Test Purpose Id	TP_Pos_060307_unsigned_long_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.7
ICS	None
Dependencies	None
Summary	Verify that unsigned long type (64bit) shall be translated to TTCN-3 as a plain unsigned long long
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.25 Int

Test Purpose Id	TP_Pos_060308_int_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.8
ICS	None
Dependencies	None
Summary	Verify that int type (32bit) shall be translated to TTCN-3 as a plain long as defined in clause D.2.1.2 of ETSI ES 201 873-1 [5])
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.26 Unsigned int

Test Purpose Id	TP_Pos_060309_unsigned_int_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.9
ICS	None
Dependencies	None
Summary	Verify that unsigned int type (32bit) shall be translated to TTCN-3 as a plain unsignedlong as defined in clause D.2.1.2 of ETSI ES 201 873-1 [5]
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.27 Short

Test Purpose Id	TP_Pos_060310_short_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.10
ICS	None
Dependencies	None
Summary	Verify that short type (16bit) shall be translated to TTCN-3 as a plain short as defined in clause D.2.1.1 of ETSI ES 201 873-1 [5]
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.28 Unsigned Short

Test Purpose Id	TP_Pos_060311_unsigned_short_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.11
ICS	None
Dependencies	None
Summary	Verify that unsigned short type (16bit) shall be translated to TTCN-3 as a plain unsigned short as defined in clause D.2.1.1 of ETSI ES 201 873-1 [5]
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.29 Byte

Test Purpose Id	TP_Pos_060312_byte_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.12
ICS	None
Dependencies	None
Summary	Verify that byte type (8bit) shall be translated to TTCN-3 as a plain byte as defined in clause D.2.1.0 of ETSI ES 201 873-1 [5]
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.30 Unsigned byte

Test Purpose Id	TP_Pos_060313_unsigned_byte_001
Reference	ETSI ES 201 873-9 [1], clause 6.3.13
ICS	None
Dependencies	None
Summary	Verify that unsigned byte type (8bit) shall be translated to TTCN-3 as a plain unsigned byte as defined in clause D.2.1.0 of ETSI ES 201 873-1 [5]
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.31 Decimal

Test Purpose Id	TP_Pos_060401_decimal_001
Reference	ETSI ES 201 873-9 [1], clause 6.4.1
ICS	None
Dependencies	None
Summary	Verify that decimal type shall be translated to TTCN-3 as a plain float
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.32 Float

Test Purpose Id	TP_Pos_060402_float_001
Reference	ETSI ES 201 873-9 [1], clause 6.4.2
ICS	None
Dependencies	None
Summary	Verify conversion of XSD float type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.33 Double

Test Purpose Id	TP_Pos_060403_double_001
Reference	ETSI ES 201 873-9 [1], clause 6.4.3
ICS	None
Dependencies	None
Summary	Verify that double type shall be translated to TTCN-3 as an IEEE754double as defined in clause D.2.1.4 of ETSI ES 201 873-1 [5]
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.34 Date and time

Test Purpose Id	TP_Pos_060502_date_and_time_001
Reference	ETSI ES 201 873-9 [1], clause 6.5.2
ICS	None
Dependencies	None
Summary	Verify that the dateTime type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060502_date_and_time_002
Reference	ETSI ES 201 873-9 [1], clause 6.5.2
ICS	None
Dependencies	None
Summary	Verify that the dateTime type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060502_date_and_time_003
Reference	ETSI ES 201 873-9 [1], clause 6.5.2
ICS	None
Dependencies	None
Summary	Verify that the dateTime type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060502_date_and_time_004
Reference	ETSI ES 201 873-9 [1], clause 6.5.2
ICS	None
Dependencies	None
Summary	Verify that the dateTime type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_060502_date_and_time_001
Reference	ETSI ES 201 873-9 [1], clause 6.5.2
ICS	None
Dependencies	None
Summary	Verify that the dateTime type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060502_date_and_time_002
Reference	ETSI ES 201 873-9 [1], clause 6.5.2
ICS	None
Dependencies	None
Summary	Verify that the dateTime type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060502_date_and_time_003
Reference	ETSI ES 201 873-9 [1], clause 6.5.2
ICS	None
Dependencies	None
Summary	Verify that the dateTime type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060502_date_and_time_004
Reference	ETSI ES 201 873-9 [1], clause 6.5.2
ICS	None
Dependencies	None
Summary	Verify that the dateTime type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.35 Date

Test Purpose Id	TP_Pos_060504_date_001
Reference	ETSI ES 201 873-9 [1], clause 6.5.4
ICS	None
Dependencies	None
Summary	Verify that the date type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060504_date_002
Reference	ETSI ES 201 873-9 [1], clause 6.5.4
ICS	None
Dependencies	None
Summary	Verify that the date type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060504_date_003
Reference	ETSI ES 201 873-9 [1], clause 6.5.4
ICS	None
Dependencies	None
Summary	Verify that the date type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060504_date_004
Reference	ETSI ES 201 873-9 [1], clause 6.5.4
ICS	None
Dependencies	None
Summary	Verify that the date type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_060504_date_001
Reference	ETSI ES 201 873-9 [1], clause 6.5.4
ICS	None
Dependencies	None
Summary	Verify that the date type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060504_date_002
Reference	ETSI ES 201 873-9 [1], clause 6.5.4
ICS	None
Dependencies	None
Summary	Verify that the date type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060504_date_003
Reference	ETSI ES 201 873-9 [1], clause 6.5.4
ICS	None
Dependencies	None
Summary	Verify that the date type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060504_date_004
Reference	ETSI ES 201 873-9 [1], clause 6.5.4
ICS	None
Dependencies	None
Summary	Verify that the date type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.36 Gregorian year and month

Test Purpose Id	TP_Pos_060505_gregorian_year_and_month_001
Reference	ETSI ES 201 873-9 [1], clause 6.5.5
ICS	None
Dependencies	None
Summary	Verify that the gYearMonth type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060505_gregorian_year_and_month_002
Reference	ETSI ES 201 873-9 [1], clause 6.5.5
ICS	None
Dependencies	None
Summary	Verify that the gYearMonth type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_060505_gregorian_year_and_month_001
Reference	ETSI ES 201 873-9 [1], clause 6.5.5
ICS	None
Dependencies	None
Summary	Verify that the gYearMonth type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060505_gregorian_year_and_month_002
Reference	ETSI ES 201 873-9 [1], clause 6.5.5
ICS	None
Dependencies	None
Summary	Verify that the gYearMonth type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060505_gregorian_year_and_month_003
Reference	ETSI ES 201 873-9 [1], clause 6.5.5
ICS	None
Dependencies	None
Summary	Verify that the gYearMonth type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_060505_gregorian_year_and_month_004
Reference	ETSI ES 201 873-9 [1], clause 6.5.5
ICS	None
Dependencies	None
Summary	Verify that the gYearMonth type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.37 Gregorian year

Test Purpose Id	TP_Pos_060506_gregorian_year_001
Reference	ETSI ES 201 873-9 [1], clause 6.5.6
ICS	None
Dependencies	None
Summary	Verify that the gYear type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060506_gregorian_year_002
Reference	ETSI ES 201 873-9 [1], clause 6.5.6
ICS	None
Dependencies	None
Summary	Verify that the gYear type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060506_gregorian_year_003
Reference	ETSI ES 201 873-9 [1], clause 6.5.6
ICS	None
Dependencies	None
Summary	Verify that the gYear allows positive years greater than 9999
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060506_gregorian_year_004
Reference	ETSI ES 201 873-9 [1], clause 6.5.6
ICS	None
Dependencies	None
Summary	Verify that the gYear type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060506_gregorian_year_005
Reference	ETSI ES 201 873-9 [1], clause 6.5.6
ICS	None
Dependencies	None
Summary	Verify that the gYear accepts negative years
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_060506_gregorian_year_006
Reference	ETSI ES 201 873-9 [1], clause 6.5.6
ICS	None
Dependencies	None
Summary	Verify that the gYear allows negative year with more than 4 digits
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_060506_gregorian_year_001
Reference	ETSI ES 201 873-9 [1], clause 6.5.6
ICS	None
Dependencies	None
Summary	Verify that the gYear type shall be translated to TTCN-3 using the pattern-restricted charstring
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.38 Boolean type

Test Purpose Id	TP_Pos_0607_boolean_type_001
Reference	ETSI ES 201 873-9 [1], clause 6.7
ICS	None
Dependencies	None
Summary	Verify that the XSD boolean type shall be mapped to the TTCN-3 boolean type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_0607_boolean_type_002
Reference	ETSI ES 201 873-9 [1], clause 6.7
ICS	None
Dependencies	None
Summary	Verify that the XSD boolean type shall be mapped to the TTCN-3 boolean type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.39 AnyType and anySimpleType types

Test Purpose Id	TP_Pos_0608_anytype_and_anysimpletype_types_001
Reference	ETSI ES 201 873-9 [1], clause 6.8
ICS	None
Dependencies	None
Summary	Verify conversion of anySimpleType
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_0608_anytype_and_anysimpletype_types_002
Reference	ETSI ES 201 873-9 [1], clause 6.8
ICS	None
Dependencies	None
Summary	Verify conversion of anyType
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.40 Id

Test Purpose Id	TP_Pos_070101_id_001
Reference	ETSI ES 201 873-9 [1], clause 7.1.1
ICS	None
Dependencies	None
Summary	Verify conversion of id attribute of global element
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070101_id_002
Reference	ETSI ES 201 873-9 [1], clause 7.1.1
ICS	None
Dependencies	None
Summary	verify conversion of id attribute of local element
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.41 MinOccurs and maxOccurs

Test Purpose Id	TP_Pos_070104_minoccurs_and_maxoccurs_001
Reference	ETSI ES 201 873-9 [1], clause 7.1.4
ICS	None
Dependencies	None
Summary	Optional field defined by minOccurs has to be mapped as optional in TTCN-3
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070104_minoccurs_and_maxoccurs_002
Reference	ETSI ES 201 873-9 [1], clause 7.1.4
ICS	None
Dependencies	None
Summary	Optional field defined by minOccurs has to exist in TTCN-3 and match the value
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070104_minoccurs_and_maxoccurs_003
Reference	ETSI ES 201 873-9 [1], clause 7.1.4
ICS	None
Dependencies	None
Summary	a list with minOccurs 0 should allow zero elements
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070104_minoccurs_and_maxoccurs_004
Reference	ETSI ES 201 873-9 [1], clause 7.1.4
ICS	None
Dependencies	None
Summary	A restricted length list (0, unbounded) should allow elements
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070104_minoccurs_and_maxoccurs_005
Reference	ETSI ES 201 873-9 [1], clause 7.1.4
ICS	None
Dependencies	None
Summary	A restricted length list [5, 10] should allow 5 elements
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070104_minoccurs_and_maxoccurs_006
Reference	ETSI ES 201 873-9 [1], clause 7.1.4
ICS	None
Dependencies	None
Summary	A restricted length list [5, 10] should allow 10 elements
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070104_minoccurs_and_maxoccurs_007
Reference	ETSI ES 201 873-9 [1], clause 7.1.4
ICS	None
Dependencies	None
Summary	A restricted length list [5, 10] should allow 7 elements
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_070104_minoccurs_and_maxoccurs_001
Reference	ETSI ES 201 873-9 [1], clause 7.1.4
ICS	None
Dependencies	None
Summary	a list with minOccurs 0 should not be mapped optional in TTCN-3
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_070104_minoccurs_and_maxoccurs_002
Reference	ETSI ES 201 873-9 [1], clause 7.1.4
ICS	None
Dependencies	None
Summary	A restricted length list [5, 10] should not allow less than 5 elements
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_070104_minoccurs_and_maxoccurs_003
Reference	ETSI ES 201 873-9 [1], clause 7.1.4
ICS	None
Dependencies	None
Summary	A restricted length list [5, 10] should not allow more than 10 elements
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.42 Default and Fixed

Test Purpose Id	TP_Pos_070105_default_and_fixed_001
Reference	ETSI ES 201 873-9 [1], clause 7.1.5
ICS	None
Dependencies	None
Summary	Verify conversion of fixed attribute
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070105_default_and_fixed_002
Reference	ETSI ES 201 873-9 [1], clause 7.1.5
ICS	None
Dependencies	None
Summary	Verify conversion of default attribute
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070105_default_and_fixed_003
Reference	ETSI ES 201 873-9 [1], clause 7.1.5
ICS	None
Dependencies	None
Summary	Verify that default value is automatically assigned to empty element by decoder
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070105_default_and_fixed_004
Reference	ETSI ES 201 873-9 [1], clause 7.1.5
ICS	None
Dependencies	None
Summary	Verify that fixed value is automatically assigned to empty element by decoder
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_070105_default_and_fixed_001
Reference	ETSI ES 201 873-9 [1], clause 7.1.5
ICS	None
Dependencies	None
Summary	Verify constraint of type based on XSD definition with fixed attribute
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.43 Form

Test Purpose Id	TP_Pos_070106_form_001
Reference	ETSI ES 201 873-9 [1], clause 7.1.6
ICS	None
Dependencies	None
Summary	Verify that unqualified attribute form is correctly converted (unqualified attributeFormDefault)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070106_form_002
Reference	ETSI ES 201 873-9 [1], clause 7.1.6
ICS	None
Dependencies	None
Summary	Verify that unqualified attribute form is correctly converted (qualified attributeFormDefault)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070106_form_003
Reference	ETSI ES 201 873-9 [1], clause 7.1.6
ICS	None
Dependencies	None
Summary	Verify that qualified attribute form is correctly converted (unqualified attributeFormDefault)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070106_form_004
Reference	ETSI ES 201 873-9 [1], clause 7.1.6
ICS	None
Dependencies	None
Summary	Verify that qualified attribute form is correctly converted (qualified attributeFormDefault)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070106_form_005
Reference	ETSI ES 201 873-9 [1], clause 7.1.6
ICS	None
Dependencies	None
Summary	Verify that unqualified element form is correctly converted (unqualified elementFormDefault)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070106_form_006
Reference	ETSI ES 201 873-9 [1], clause 7.1.6
ICS	None
Dependencies	None
Summary	Verify that unqualified element form is correctly converted (qualified elementFormDefault)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070106_form_007
Reference	ETSI ES 201 873-9 [1], clause 7.1.6
ICS	None
Dependencies	None
Summary	Verify that qualified element form is correctly converted (unqualified elementFormDefault)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070106_form_008
Reference	ETSI ES 201 873-9 [1], clause 7.1.6
ICS	None
Dependencies	None
Summary	Verify that qualified element form is correctly converted (qualified elementFormDefault)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.44 Type

Test Purpose Id	TP_Pos_070107_type_001
Reference	ETSI ES 201 873-9 [1], clause 7.1.7
ICS	None
Dependencies	None
Summary	Verify conversion of type attribute referencing global simpleType
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070107_type_002
Reference	ETSI ES 201 873-9 [1], clause 7.1.7
ICS	None
Dependencies	None
Summary	Verify conversion of type attribute referencing global complexType
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070107_type_003
Reference	ETSI ES 201 873-9 [1], clause 7.1.7
ICS	None
Dependencies	None
Summary	Verify conversion of type attribute referencing built-in type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.45 Use

Test Purpose Id	TP_Pos_070112_use_001
Reference	ETSI ES 201 873-9 [1], clause 7.1.12
ICS	None
Dependencies	None
Summary	Verify that attribute with required use is correctly converted
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070112_use_002
Reference	ETSI ES 201 873-9 [1], clause 7.1.12
ICS	None
Dependencies	None
Summary	Verify that attribute with optional use is correctly converted
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070112_use_003
Reference	ETSI ES 201 873-9 [1], clause 7.1.12
ICS	None
Dependencies	None
Summary	Verify that attribute with prohibited use is not converted
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_070112_use_001
Reference	ETSI ES 201 873-9 [1], clause 7.1.12
ICS	None
Dependencies	None
Summary	Verify that attribute with required use cannot be omitted
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.46 Final

Test Purpose Id	TP_Pos_070114_final_001
Reference	ETSI ES 201 873-9 [1], clause 7.1.14
ICS	None
Dependencies	None
Summary	Verify conversion of elements with final attribute
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.47 Element component

Test Purpose Id	TP_Pos_0703_element_component_001
Reference	ETSI ES 201 873-9 [1], clause 7.3
ICS	None
Dependencies	None
Summary	Verify conversion of global element of simple type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_0703_element_component_002
Reference	ETSI ES 201 873-9 [1], clause 7.3
ICS	None
Dependencies	None
Summary	Verify conversion of global element of user defined type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_0703_element_component_003
Reference	ETSI ES 201 873-9 [1], clause 7.3
ICS	None
Dependencies	None
Summary	Verify conversion of global element of locally defined complex type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_0703_element_component_004
Reference	ETSI ES 201 873-9 [1], clause 7.3
ICS	None
Dependencies	None
Summary	Verify conversion of local elements defined by reference with different namespace
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.48 Attribute element definitions

Test Purpose Id	TP_Pos_070401_attribute_element_definitions_001
Reference	ETSI ES 201 873-9 [1], clause 7.4.1
ICS	None
Dependencies	None
Summary	Verify mapping of a globally defined attribute
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.49 Attribute group definitions

Test Purpose Id	TP_Pos_070402_attribute_group_definitions_001
Reference	ETSI ES 201 873-9 [1], clause 7.4.2
ICS	None
Dependencies	None
Summary	Verify mapping of a globally defined attribute group
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.50 Derivation by restriction

Test Purpose Id	TP_Pos_070501_derivation_by_restriction_001
Reference	ETSI ES 201 873-9 [1], clause 7.5.1
ICS	None
Dependencies	None
Summary	Verify that it is possible to convert anonymous
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.51 Derivation by list

Test Purpose Id	TP_Pos_070502_derivation_by_list_001
Reference	ETSI ES 201 873-9 [1], clause 7.5.2
ICS	None
Dependencies	None
Summary	Verify that derivation by list is converted to record of
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070502_derivation_by_list_002
Reference	ETSI ES 201 873-9 [1], clause 7.5.2
ICS	None
Dependencies	None
Summary	Verify mapping of facets connected applied to derivation by list
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070502_derivation_by_list_003
Reference	ETSI ES 201 873-9 [1], clause 7.5.2
ICS	None
Dependencies	None
Summary	Verify conversion of facets defined inside XSD list
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070502_derivation_by_list_004
Reference	ETSI ES 201 873-9 [1], clause 7.5.2
ICS	None
Dependencies	None
Summary	Verify transformation of derivation by list with enumerated facets inside
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070502_derivation_by_list_005
Reference	ETSI ES 201 873-9 [1], clause 7.5.2
ICS	None
Dependencies	None
Summary	Verify transformation of list containing union content
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_070502_derivation_by_list_001
Reference	ETSI ES 201 873-9 [1], clause 7.5.2
ICS	None
Dependencies	None
Summary	Verify length constraint imposed on type derived by list
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_070502_derivation_by_list_002
Reference	ETSI ES 201 873-9 [1], clause 7.5.2
ICS	None
Dependencies	None
Summary	Verify constraint imposed on inner type defined inside XSD list
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.52 Derivation by union

Test Purpose Id	TP_Pos_070503_derivation_by_union_001
Reference	ETSI ES 201 873-9 [1], clause 7.5.3
ICS	None
Dependencies	None
Summary	Verify transformation of union with memberTypes attribute
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070503_derivation_by_union_002
Reference	ETSI ES 201 873-9 [1], clause 7.5.3
ICS	None
Dependencies	None
Summary	Verify transformation of union with unnamed member types
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070503_derivation_by_union_003
Reference	ETSI ES 201 873-9 [1], clause 7.5.3
ICS	None
Dependencies	None
Summary	Verify transformation of union with memberTypes attribute and unnamed member types
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070503_derivation_by_union_004
Reference	ETSI ES 201 873-9 [1], clause 7.5.3
ICS	None
Dependencies	None
Summary	Verify transformation of union with memberTypes attribute and unnamed enumeration
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070503_derivation_by_union_005
Reference	ETSI ES 201 873-9 [1], clause 7.5.3
ICS	None
Dependencies	None
Summary	Verify transformation of union content containing enumeration facets
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070503_derivation_by_union_006
Reference	ETSI ES 201 873-9 [1], clause 7.5.3
ICS	None
Dependencies	None
Summary	Verify transformation of union containing list content
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.53 Extending simple content

Test Purpose Id	TP_Pos_07060101_extending_simple_content_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.1.1
ICS	None
Dependencies	None
Summary	Verify extension of a built-in type by adding an attribute
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.54 Restricting simple content

Test Purpose Id	TP_Pos_07060102_restricting_simple_content_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.1.2
ICS	None
Dependencies	None
Summary	Verify restriction of a base type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_07060102_restricting_simple_content_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.1.2
ICS	None
Dependencies	None
Summary	Verify restriction of a base type
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

A.2.55 Complex content derived by extension

Test Purpose Id	TP_Pos_07060201_derived_by_extension_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.2.1
ICS	None
Dependencies	None
Summary	Verify mapping of complex type where both the base and the
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060201_derived_by_extension_002
Reference	ETSI ES 201 873-9 [1], clause 7.6.2.1
ICS	None
Dependencies	None
Summary	Verify mapping of complex type where both the base and the
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060201_derived_by_extension_003
Reference	ETSI ES 201 873-9 [1], clause 7.6.2.1
ICS	None
Dependencies	None
Summary	Verify mapping of complex type where both the base and the
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060201_derived_by_extension_004
Reference	ETSI ES 201 873-9 [1], clause 7.6.2.1
ICS	None
Dependencies	None
Summary	Verify mapping of complex type where both the base and the
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060201_derived_by_extension_005
Reference	ETSI ES 201 873-9 [1], clause 7.6.2.1
ICS	None
Dependencies	None
Summary	Verify mapping of complex type where both the base and the
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060201_derived_by_extension_006
Reference	ETSI ES 201 873-9 [1], clause 7.6.2.1
ICS	None
Dependencies	None
Summary	Verify mapping of complex type where both the base and
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060201_derived_by_extension_007
Reference	ETSI ES 201 873-9 [1], clause 7.6.2.1
ICS	None
Dependencies	None
Summary	Verify mapping of complex type where extension of a sequence
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060201_derived_by_extension_008
Reference	ETSI ES 201 873-9 [1], clause 7.6.2.1
ICS	None
Dependencies	None
Summary	Verify mapping of complex type:
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060201_derived_by_extension_009
Reference	ETSI ES 201 873-9 [1], clause 7.6.2.1
ICS	None
Dependencies	None
Summary	Verify mapping of complex type:
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.56 Complex content derived by restriction

Test Purpose Id	TP_Pos_07060202_derived_by_restriction_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.2.2
ICS	None
Dependencies	None
Summary	Verify mapping of complex content derived by restriction:
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.57 Referencing group components

Test Purpose Id	TP_Pos_070603_referencing_group_components_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.3
ICS	None
Dependencies	None
Summary	Verify conversion of group reference occurring as child of complex type (sequence, one occurrence)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070603_referencing_group_components_002
Reference	ETSI ES 201 873-9 [1], clause 7.6.3
ICS	None
Dependencies	None
Summary	Verify conversion of group reference occurring inside sequence
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070603_referencing_group_components_003
Reference	ETSI ES 201 873-9 [1], clause 7.6.3
ICS	None
Dependencies	None
Summary	Verify conversion of group reference occurring as child of complex type (sequence, optional occurrence)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070603_referencing_group_components_004
Reference	ETSI ES 201 873-9 [1], clause 7.6.3
ICS	None
Dependencies	None
Summary	Verify conversion of group reference occurring as child of complex type (sequence, 0..N)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070603_referencing_group_components_005
Reference	ETSI ES 201 873-9 [1], clause 7.6.3
ICS	None
Dependencies	None
Summary	Verify conversion of group reference occurring as child of complex type (all, one occurrence)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070603_referencing_group_components_006
Reference	ETSI ES 201 873-9 [1], clause 7.6.3
ICS	None
Dependencies	None
Summary	Verify conversion of group reference occurring as child of complex type (all, 0..1)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070603_referencing_group_components_007
Reference	ETSI ES 201 873-9 [1], clause 7.6.3
ICS	None
Dependencies	None
Summary	Verify conversion of group reference occurring as child of complex type (choice, one occurrence)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070603_referencing_group_components_008
Reference	ETSI ES 201 873-9 [1], clause 7.6.3
ICS	None
Dependencies	None
Summary	Verify conversion of group reference occurring as child of complex type (choice, 0..1)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070603_referencing_group_components_009
Reference	ETSI ES 201 873-9 [1], clause 7.6.3
ICS	None
Dependencies	None
Summary	Verify conversion of group reference occurring as child of complex type (choice, 0..N)
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070603_referencing_group_components_010
Reference	ETSI ES 201 873-9 [1], clause 7.6.3
ICS	None
Dependencies	None
Summary	Verify conversion of group reference occurring inside choice
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.58 All content

Test Purpose Id	TP_Pos_070604_all_content_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.4
ICS	None
Dependencies	None
Summary	Verify conversion of all content containing mandatory fields
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070604_all_content_002
Reference	ETSI ES 201 873-9 [1], clause 7.6.4
ICS	None
Dependencies	None
Summary	Verify conversion of all content with minOccurs="0"
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070604_all_content_003
Reference	ETSI ES 201 873-9 [1], clause 7.6.4
ICS	None
Dependencies	None
Summary	Verify transformation of elements with minOccurs attribute occurring inside all content
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070604_all_content_004
Reference	ETSI ES 201 873-9 [1], clause 7.6.4
ICS	None
Dependencies	None
Summary	Verify transformation of all content containing attributes
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.59 Choice content

Test Purpose Id	TP_Pos_070605_top_level_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.5
ICS	None
Dependencies	None
Summary	Verify that choice content with minOccurs different than 1 is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070605_top_level_002
Reference	ETSI ES 201 873-9 [1], clause 7.6.5
ICS	None
Dependencies	None
Summary	Verify that choice content with maxOccurs larger than 1 is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.60 Choice with nested elements

Test Purpose Id	TP_Pos_07060501_choice_with_nested_elements_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.5.1
ICS	None
Dependencies	None
Summary	Verify that choice content with nested elements is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.61 Choice with nested group

Test Purpose Id	TP_Pos_07060502_choice_with_nested_group_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.5.2
ICS	None
Dependencies	None
Summary	Verify that choice content with nested group is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.62 Choice with nested choice

Test Purpose Id	TP_Pos_07060503_choice_with_nested_choice_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.5.3
ICS	None
Dependencies	None
Summary	Verify that choice content with nested choice is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.63 Choice with nested sequence

Test Purpose Id	TP_Pos_07060504_choice_with_nested_sequence_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.5.4
ICS	None
Dependencies	None
Summary	Verify that choice content with nested sequence is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060504_choice_with_nested_sequence_002
Reference	ETSI ES 201 873-9 [1], clause 7.6.5.4
ICS	None
Dependencies	None
Summary	Verify that choice content with multiple nested sequences is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.64 Choice with nested any

Test Purpose Id	TP_Pos_07060505_choice_with_nested_any_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.5.5
ICS	None
Dependencies	None
Summary	Verify that choice content with nested any is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.65 Sequence with nested element content

Test Purpose Id	TP_Pos_07060601_sequence_with_nested_element_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.6.1
ICS	None
Dependencies	None
Summary	Verify that sequence content with nested elements is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.66 Sequence with nested group content

Test Purpose Id	TP_Pos_07060602_sequence_with_nested_group_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.6.2
ICS	None
Dependencies	None
Summary	Verify that sequence content with group reference is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.67 Sequence with nested choice content

Test Purpose Id	TP_Pos_07060603_sequence_with_nested_choice_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.6.3
ICS	None
Dependencies	None
Summary	Verify that sequence content with nested choice is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.68 Sequence with nested sequence content

Test Purpose Id	TP_Pos_07060604_sequence_with_nested_sequence_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.6.4
ICS	None
Dependencies	None
Summary	Verify that sequence content with sequence is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060604_sequence_with_nested_sequence_002
Reference	ETSI ES 201 873-9 [1], clause 7.6.6.4
ICS	None
Dependencies	None
Summary	Verify that sequence content with various nested particles is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.69 Sequence with nested any content

Test Purpose Id	TP_Pos_07060605_sequence_with_nested_any_content_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.6.5
ICS	None
Dependencies	None
Summary	Verify that sequence content with nested any content is correctly transformed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.70 Effect of the minOccurs and maxOccurs attributes on the mapping

Test Purpose Id	TP_Pos_07060606_effect_of_minoccurs_and_maxoccurs_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.6.6
ICS	None
Dependencies	None
Summary	Verify that sequences with minOccurs=0 are correctly converted to optional fields
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060606_effect_of_minoccurs_and_maxoccurs_002
Reference	ETSI ES 201 873-9 [1], clause 7.6.6.6
ICS	None
Dependencies	None
Summary	Verify that nested sequences are correctly converted to optional fields
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060606_effect_of_minoccurs_and_maxoccurs_003
Reference	ETSI ES 201 873-9 [1], clause 7.6.6.6
ICS	None
Dependencies	None
Summary	Verify that sequences with minOccurs=unbounded are correctly converted to record of fields
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_07060606_effect_of_minoccurs_and_maxoccurs_004
Reference	ETSI ES 201 873-9 [1], clause 7.6.6.6
ICS	None
Dependencies	None
Summary	Verify that nested sequences are correctly converted to record of fields
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.71 Attribute definitions, attribute and attributeGroup references

Test Purpose Id	TP_Pos_070607_attribute_definitions_attribute_and_attributegroup_references_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.7
ICS	None
Dependencies	None
Summary	Verify referencing an attributeGroup in a complexType
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070607_attribute_definitions_attribute_and_attributegroup_references_002
Reference	ETSI ES 201 873-9 [1], clause 7.6.7
ICS	None
Dependencies	None
Summary	Verify mapping of a local attributes, attribute references and attribute group references without a target namespace
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070607_attribute_definitions_attribute_and_attributegroup_references_003
Reference	ETSI ES 201 873-9 [1], clause 7.6.7
ICS	None
Dependencies	None
Summary	Verify mapping of a local attributes, attribute references and attribute group references with a target namespace
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.72 Mixed content

Test Purpose Id	TP_Pos_070608_mixed_content_001
Reference	ETSI ES 201 873-9 [1], clause 7.6.8
ICS	None
Dependencies	None
Summary	Verify transformation of complex type with sequence constructor and mixed content type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070608_mixed_content_002
Reference	ETSI ES 201 873-9 [1], clause 7.6.8
ICS	None
Dependencies	None
Summary	Verify transformation of complex type definition with sequence constructor of multiple occurrences and mixed content type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070608_mixed_content_003
Reference	ETSI ES 201 873-9 [1], clause 7.6.8
ICS	None
Dependencies	None
Summary	Verify transformation of complex type definition with all constructor and mixed content type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070608_mixed_content_004
Reference	ETSI ES 201 873-9 [1], clause 7.6.8
ICS	None
Dependencies	None
Summary	Verify transformation of complex type definition with all constructor, optional elements and mixed content type
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070608_mixed_content_005
Reference	ETSI ES 201 873-9 [1], clause 7.6.8
ICS	None
Dependencies	None
Summary	TODO: add description
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.73 The any element

Test Purpose Id	TP_Pos_070701_the_any_element_001
Reference	ETSI ES 201 873-9 [1], clause 7.7.1
ICS	None
Dependencies	None
Summary	Verify conversion of the any element without namespace attribute
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070701_the_any_element_002
Reference	ETSI ES 201 873-9 [1], clause 7.7.1
ICS	None
Dependencies	None
Summary	Verify conversion of the any element with ##any namespace
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070701_the_any_element_003
Reference	ETSI ES 201 873-9 [1], clause 7.7.1
ICS	None
Dependencies	None
Summary	Verify conversion of the any element with ##local namespace
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070701_the_any_element_004
Reference	ETSI ES 201 873-9 [1], clause 7.7.1
ICS	None
Dependencies	None
Summary	Verify conversion of the any element with ##other namespace
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070701_the_any_element_005
Reference	ETSI ES 201 873-9 [1], clause 7.7.1
ICS	None
Dependencies	None
Summary	Verify conversion of the any element with ##targetNamespace namespace
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070701_the_any_element_006
Reference	ETSI ES 201 873-9 [1], clause 7.7.1
ICS	None
Dependencies	None
Summary	Verify conversion of the any element with URL as namespace into record of
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.74 The anyAttribute element

Test Purpose Id	TP_Pos_070702_the_anyattribute_element_001
Reference	ETSI ES 201 873-9 [1], clause 7.7.2
ICS	None
Dependencies	None
Summary	Verify conversion of anyAttribute element
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070702_the_anyattribute_element_002
Reference	ETSI ES 201 873-9 [1], clause 7.7.2
ICS	None
Dependencies	None
Summary	Verify that anyAttribute is converted into optional field
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070702_the_anyattribute_element_003
Reference	ETSI ES 201 873-9 [1], clause 7.7.2
ICS	None
Dependencies	None
Summary	Verify that the naming rules apply to converted anyAttribute field
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070702_the_anyattribute_element_004
Reference	ETSI ES 201 873-9 [1], clause 7.7.2
ICS	None
Dependencies	None
Summary	Verify that conversion of anyAttribute present both in extended type and extension base
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_070702_the_anyattribute_element_005
Reference	ETSI ES 201 873-9 [1], clause 7.7.2
ICS	None
Dependencies	None
Summary	Verify that converted anyAttribute field is in correct place
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.75 Annotation

Test Purpose Id	TP_Pos_0708_annotation_001
Reference	ETSI ES 201 873-9 [1], clause 7.8
ICS	None
Dependencies	None
Summary	Verify that XSD annotation can be processed
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.76 Group components

Test Purpose Id	TP_Pos_0709_group_components_001
Reference	ETSI ES 201 873-9 [1], clause 7.9
ICS	None
Dependencies	None
Summary	Verify conversion of group definition with sequence compositor
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_0709_group_components_002
Reference	ETSI ES 201 873-9 [1], clause 7.9
ICS	None
Dependencies	None
Summary	Verify transformation of group definition with sequence compositor
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_0709_group_components_003
Reference	ETSI ES 201 873-9 [1], clause 7.9
ICS	None
Dependencies	None
Summary	Verify conversion of group definition with all compositor
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.77 Identity-constraint definition schema components

Test Purpose Id	TP_Pos_0710_identity_constraint_definition_schema_components_001
Reference	ETSI ES 201 873-9 [1], clause 7.10
ICS	None
Dependencies	None
Summary	Verify that unique elements (and nested selector and field) are ignored during conversion
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_0710_identity_constraint_definition_schema_components_002
Reference	ETSI ES 201 873-9 [1], clause 7.10
ICS	None
Dependencies	None
Summary	Verify that key elements (and nested selector and field) are ignored during conversion
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_0710_identity_constraint_definition_schema_components_003
Reference	ETSI ES 201 873-9 [1], clause 7.10
ICS	None
Dependencies	None
Summary	Verify that keyRef elements (and nested selector and field) are ignored during conversion
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.78 Head elements of substitution groups

Test Purpose Id	TP_Pos_080101_head_elements_of_substitution_groups_001
Reference	ETSI ES 201 873-9 [1], clause 8.1.1
ICS	None
Dependencies	None
Summary	Generic substitution group example
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_080101_head_elements_of_substitution_groups_002
Reference	ETSI ES 201 873-9 [1], clause 8.1.1
ICS	None
Dependencies	None
Summary	Show effect of the block and abstract attributes on element substitution
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_080101_head_elements_of_substitution_groups_003
Reference	ETSI ES 201 873-9 [1], clause 8.1.1
ICS	None
Dependencies	None
Summary	Blocking substitution
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

A.2.79 TTCN-3 module XSD

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_001
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type AnySimpleType
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_002
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type AnyType
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_003
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type String
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_004
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type NormalizedString
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_005
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Token
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_006
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Name
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_007
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type NMTOKEN
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_008
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type NCName
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_009
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type ID
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_010
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type IDREF
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_011
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type ENTITY
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_012
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type HexBinary
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_013
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Base64Binary
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_014
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type AnyURI
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_015
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Language
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_016
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Integer
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_017
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type PositiveInteger
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_018
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type NonPositiveInteger
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_019
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type NegativeInteger
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_020
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type NonNegativeInteger
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_021
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Long
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_022
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type UnsignedLong
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_023
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Int
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_024
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type UnsignedInt
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_025
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Short
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_026
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type UnsignedShort
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_027
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Byte
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_028
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type UnsignedByte
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_029
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Decimal
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_030
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Float
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_031
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Double
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_032
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Duration
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_033
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type DateTime
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_034
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Time
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_035
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Date
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_036
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type GYearMonth
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_037
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type GYear
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_038
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type GMonthDay
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_039
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type GDay
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_040
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type GMonth
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_041
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type NMTOKENS
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_042
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type IDREFS
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_043
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type ENTITIES
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_044
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type QName
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_045
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type Boolean
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_046
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type XMLCompatibleString
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_047
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type XMLStringWithNoWhitespace
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Pos_A_ttcn3_module_xsd_048
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the module XSD is available and contains the builtin XSD type XMLStringWithNoCRLFHT
Expected Output	The TTCN-3 module shall be accepted by the tool and all test cases have to produce the verdict pass after execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_001
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type AnySimpleType allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_002
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type AnyType allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_003
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type String allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_004
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type NormalizedString allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_005
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Token allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_006
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Name allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_007
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type NMTOKEN allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_008
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type NCName allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_009
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type ID allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_010
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type IDREF allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_011
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type ENTITY allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_012
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type HexBinary allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_013
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Base64Binary allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_014
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type AnyURI allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_015
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Language allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_016
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Integer allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_017
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type PositiveInteger allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_018
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type NonPositiveInteger allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_019
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type NegativeInteger allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_020
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type NonNegativeInteger allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_021
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Long allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_022
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type UnsignedLong allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_023
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Int allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_024
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type UnsignedInt allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_025
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Short allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_026
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type UnsignedShort allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_027
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Byte allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_028
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type UnsignedByte allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_029
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Decimal allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_030
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Float allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_031
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Double allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_032
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Duration allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_033
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type DateTime allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_034
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Time allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_035
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Date allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_036
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type GYearMonth allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_037
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type GYear allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_038
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type GMonthDay allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_039
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type GDay allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_040
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type GMonth allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_041
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type NMTOKENS allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_042
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type IDREFS allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_043
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type ENTITIES allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_044
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type QName allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_045
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type Boolean allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_046
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type XMLCompatibleString allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_047
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type XMLStringWithNoWhitespace allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

Test Purpose Id	TP_Neg_A_ttcn3_module_xsd_048
Reference	ETSI ES 201 873-9 [1], annex A
ICS	None
Dependencies	None
Summary	Ensure the builtin XSD type XMLStringWithNoCRLFHT allows only valid values
Expected Output	The TTCN-3 module shall be rejected by the validator or after/during execution
Notes	

History

Document history		
V1.1.1	March 2015	Publication