

**SLOVENSKI STANDARD
SIST ES 203 119-8 V1.3.1:2025
01-september-2025**

**Metode za preskušanje in specificiranje (MTS) - Jezik za opis preskusa (TDL) - 8.
del: Besedilna sintaksa**

Methods for Testing and Specification (MTS) - The Test Description Language (TDL) -
Part 8: Textual Syntax

iTeh Standards
(<https://standards.iteh.ai>)

Ta slovenski standard je istoveten z: ETSI ES 203 119-8 V1.3.1 (2025-07)

[SIST ES 203 119-8 V1.3.1:2025](#)

<https://standards.iteh.ai/catalog/standards/sist/7b9f0d77-d4b2-46fa-8131-3308cc5ab783/sist-es-203-119-8-v1-3-1-2025>

ICS:

35.060	Jeziki, ki se uporabljajo v informacijski tehniki in tehnologiji	Languages used in information technology
--------	--	--

SIST ES 203 119-8 V1.3.1:2025 **en**

ETSI ES 203 119-8 v1.3.1 (2025-07)



ETSI STANDARD

Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 8: Textual Syntax *(<https://standards.iteh.ai>)* **Document Preview**

[SIST ES 203 119-8 V1.3.1:2025](#)

<https://standards.iteh.ai/catalog/standards/sist/7b9f0d77-d4b2-46fa-8131-3308cc5ab783/sist-es-203-119-8-v1-3-1-2025>

Reference

RES/MTS-203119-8v1.3.1

Keywordslanguage, MBT, methodology, testing, TSS&TP,
TTCN-3, UML***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 - APE 7112B
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° w061004871

Important noticeThe present document can be downloaded from the
[ETSI Search & Browse Standards](#) application.

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 prevailing version of an ETSI deliverable is the one made publicly available in PDF format on [ETSI deliver](#) repository.

Users should be aware that the present document may be revised or have its status changed,
this information is available in the [Milestones listing](#).

If you find errors in the present document, please send your comments to
the relevant service listed under [Committee Support Staff](#).

If you find a security vulnerability in the present document, please report it through our
[Coordinated Vulnerability Disclosure \(CVD\)](#) program.

<https://standards.iteh.ai/catalog/standards/615/7b90477-44b2-46fa-8131-3208c5ab783/sist-es-203-119-8-v1-3-1-2025>

Notice of disclaimer & limitation of liability

The information provided in the present deliverable is directed solely to professionals who have the appropriate degree of experience to understand and interpret its content in accordance with generally accepted engineering or other professional standard and applicable regulations.

No recommendation as to products and services or vendors is made or should be implied.

No representation or warranty is made that this deliverable is technically accurate or sufficient or conforms to any law and/or governmental rule and/or regulation and further, no representation or warranty is made of merchantability or fitness for any particular purpose or against infringement of intellectual property rights.

In no event shall ETSI be held liable for loss of profits or any other incidental or consequential damages.

Any software contained in this deliverable is provided "AS IS" with no warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose and non-infringement of intellectual property rights and ETSI shall not be held liable in any event for any damages whatsoever (including, without limitation, damages for loss of profits, business interruption, loss of information, or any other pecuniary loss) arising out of or related to the use of or inability to use the software.

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.

© ETSI 2025.
All rights reserved.

Contents

Intellectual Property Rights	6
Foreword.....	6
Modal verbs terminology.....	6
1 Scope	7
2 References	7
2.1 Normative references	7
2.2 Informative references.....	7
3 Definition of terms, symbols and abbreviations.....	8
3.1 Terms.....	8
3.2 Symbols.....	8
3.3 Abbreviations	8
4 Basic principles	9
4.1 Introduction	9
4.2 Document Structure.....	9
4.3 Grammar Language.....	9
4.3.1 Overview	9
4.3.2 Operators	10
4.3.3 Terminal rules and keywords.....	10
4.3.4 Production rules	10
4.4 Conformance	11
5 General rules	11
5.1 Identities and references	11
5.2 Models and importing	11
5.3 Linking	12
5.4 Alternative syntaxes	12
5.5 Terminals.....	12
5.6 File format	14
6 Production Rules/ https://standards.etsi.eu/	14
6.1 Foundation.....	14
6.1.1 Element	14
6.1.2 NamedElement	15
6.1.3 ElementImport	15
6.1.4 Package	16
6.1.5 PackageableElement	16
6.1.6 Comment	17
6.1.7 Annotation	17
6.1.8 AnnotationType	18
6.1.9 TestObjective.....	18
6.1.10 Extension	19
6.1.11 ConstraintType	19
6.1.12 Constraint.....	19
6.2 Data	20
6.2.1 DataResourceMapping.....	20
6.2.2 DataElementMapping	20
6.2.3 ParameterMapping.....	20
6.2.4 DataType	21
6.2.5 SimpleDataType	21
6.2.6 SimpleDataInstance	21
6.2.7 StructuredDataType	22
6.2.8 Member.....	22
6.2.9 StructuredDataInstance	23
6.2.10 MemberAssignment.....	23
6.2.11 CollectionDataType	23

6.2.12	CollectionDataInstance	24
6.2.13	ProcedureSignature	24
6.2.14	ProcedureParameter	24
6.2.15	ParameterKind	25
6.2.16	Parameter	25
6.2.17	FormalParameter	25
6.2.18	Variable	26
6.2.19	Action	26
6.2.20	Function	26
6.2.21	UnassignedMemberTreatment	27
6.2.22	PredefinedFunction	27
6.2.23	EnumDataType	28
6.2.24	DataUse	28
6.2.25	ParameterBinding	29
6.2.26	MemberReference	29
6.2.27	StaticDataUse	30
6.2.28	DataInstanceUse	30
6.2.29	SpecialValueUse	31
6.2.30	AnyValue	31
6.2.31	AnyValueOrOmit	31
6.2.32	OmitValue	32
6.2.33	LiteralValueUse	32
6.2.34	DynamicDataUse	32
6.2.35	FunctionCall	33
6.2.36	FormalParameterUse	33
6.2.37	VariableUse	33
6.2.38	PredefinedFunctionCall	34
6.2.39	DataElementUse	34
6.2.40	CastDataUse	35
6.3	Time	35
6.3.1	Time	35
6.3.2	TimeLabel	36
6.3.3	TimeLabelUse	36
6.3.4	TimeLabelUseKind	36
6.3.5	TimeConstraint	37
6.3.6	Timer	37
6.3.7	TimeOperation	37
6.3.8	Wait	37
6.3.9	Quiescence	38
6.3.10	TimerOperation	38
6.3.11	TimerStart	38
6.3.12	TimerStop	39
6.3.13	TimeOut	39
6.4	Test Configuration	39
6.4.1	GateType	39
6.4.2	GateTypeKind	40
6.4.3	GateInstance	40
6.4.4	ComponentType	40
6.4.5	ComponentInstance	41
6.4.6	ComponentInstanceRole	41
6.4.7	GateReference	41
6.4.8	Connection	42
6.4.9	TestConfiguration	42
6.5	Test Behaviour	43
6.5.1	TestDescription	43
6.5.2	BehaviourDescription	43
6.5.3	Behaviour	44
6.5.4	Block	44
6.5.5	LocalExpression	44
6.5.6	CombinedBehaviour	45
6.5.7	SingleCombinedBehaviour	45
6.5.8	CompoundBehaviour	46

6.5.9	BoundedLoopBehaviour	46
6.5.10	UnboundedLoopBehaviour.....	46
6.5.11	OptionalBehaviour.....	47
6.5.12	MultipleCombinedBehaviour	47
6.5.13	ConditionalBehaviour.....	47
6.5.14	AlternativeBehaviour.....	48
6.5.15	ParallelBehaviour	49
6.5.16	ExceptionalBehaviour.....	49
6.5.17	DefaultBehaviour.....	49
6.5.18	InterruptBehaviour.....	50
6.5.19	PeriodicBehaviour	50
6.5.20	AtomicBehaviour.....	51
6.5.21	Break.....	52
6.5.22	Stop.....	52
6.5.23	VerdictAssignment	52
6.5.24	Assertion.....	53
6.5.25	Interaction	53
6.5.26	Message	53
6.5.27	Target.....	54
6.5.28	ValueAssignment.....	54
6.5.29	ProcedureCall	55
6.5.30	TestDescriptionReference.....	55
6.5.31	ComponentInstanceBinding.....	56
6.5.32	ActionBehaviour.....	56
6.5.33	ActionReference	57
6.5.34	InlineAction	57
6.5.35	Assignment	57

Annex A (informative):	Technical Representation of the Complete Textual Syntax	58
-------------------------------	--	-----------

Annex B (informative):	Examples.....	59
-------------------------------	----------------------	-----------

B.0	Overview	59
-----	----------------	----

B.1	Illustration of Data Use	59
-----	--------------------------------	----

B.2	Interface Testing.....	61
-----	------------------------	----

B.3	Interoperability Testing	64
-----	--------------------------------	----

History	67
---------------	----

<https://standards.iteh.ai/catalog/standards/sist/7b9f0d77-d4b2-46fa-8131-3308cc5ab783/sist-es-203-119-8-v1.3.1-2025>