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SERIES Z: LANGUAGES AND GENERAL SOFTWARE
ASPECTS FOR TELECOMMUNICATION SYSTEMS

Formal description techniques (FDT) – Testing and Test
Control Notation (TTCN)

**Testing and Test Control Notation version 3:
TTCN-3 operational semantics**

Recommendation ITU-T Z.164

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ITU-T Z-SERIES RECOMMENDATIONS

LANGUAGES AND GENERAL SOFTWARE ASPECTS FOR TELECOMMUNICATION SYSTEMS

FORMAL DESCRIPTION TECHNIQUES (FDT)	
Specification and Description Language (SDL)	Z.100–Z.109
Application of formal description techniques	Z.110–Z.119
Message Sequence Chart (MSC)	Z.120–Z.129
User Requirements Notation (URN)	Z.150–Z.159
Testing and Test Control Notation (TTCN)	Z.160–Z.179
PROGRAMMING LANGUAGES	
CHILL: The ITU-T high level language	Z.200–Z.209
MAN-MACHINE LANGUAGE	
General principles	Z.300–Z.309
Basic syntax and dialogue procedures	Z.310–Z.319
Extended MML for visual display terminals	Z.320–Z.329
Specification of the man-machine interface	Z.330–Z.349
Data-oriented human-machine interfaces	Z.350–Z.359
Human-machine interfaces for the management of telecommunications networks	Z.360–Z.379
QUALITY	
Quality of telecommunication software	Z.400–Z.409
Quality aspects of protocol-related Recommendations	Z.450–Z.459
METHODS	
Methods for validation and testing	Z.500–Z.519
MIDDLEWARE	
Processing environment architectures	Z.600–Z.609

For further details, please refer to the list of ITU-T Recommendations.

Recommendation ITU-T Z.164

Testing and Test Control Notation version 3: TTCN-3 operational semantics

Summary

Recommendation ITU-T Z.164 defines the operational semantics of Testing and Test Control Notation 3 (TTCN-3). The operational semantics are necessary to unambiguously interpret the specifications made with TTCN-3. This Recommendation is based on the TTCN-3 core language defined in Recommendation ITU-T Z.161.

This revision of the Recommendation contains amendments, clarifications, corrigenda and editorial corrections.

This Recommendation is technically aligned with ETSI ES 201 873-4 V4.5.1 (2016).

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T Z.143	2006-03-16	17	11.1002/1000/8643
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3.0	ITU-T Z.164	2011-03-16	17	11.1002/1000/11066
4.0	ITU-T Z.164	2012-05-29	17	11.1002/1000/11599
5.0	ITU-T Z.164	2016-10-14	17	11.1002/1000/13045

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Control notation, interoperability testing, protocols, protocol testing, service testing, testing, tools, TTCN-3.

* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

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Recommendation ITU-T Z.164

Testing and Test Control Notation version 3: TTCN-3 operational semantics

1 Scope

This Recommendation defines the operational semantics of TTCN-3.

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

[ITU-T Z.161] Recommendation ITU-T Z.161(2016), *Testing and Test Control Notation version 3: TTCN-3 core language*.

[ETSI ES 201 873-4 V4.5.1] ETSI ES 201 873-4 V4.5.1 (2016-07), *Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 4: TTCN-3 Operational Semantics*.

3 Definitions

3.1 Terms defined elsewhere

None.

3.2 Terms defined in this Recommendation

None.

4 Abbreviations and acronyms

None.

5 Conventions

None.

6 Endorsement

[ETSI ES 201 873-4 V4.5.1] was approved by ITU-T as the basis for Recommendation ITU-T Z.164.

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Series A	Organization of the work of ITU-T
Series D	General tariff principles
Series E	Overall network operation, telephone service, service operation and human factors
Series F	Non-telephone telecommunication services
Series G	Transmission systems and media, digital systems and networks
Series H	Audiovisual and multimedia systems
Series I	Integrated services digital network
Series J	Cable networks and transmission of television, sound programme and other multimedia signals
Series K	Protection against interference
Series L	Environment and ICTs, climate change, e-waste, energy efficiency; construction, installation and protection of cables and other elements of outside plant
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Series N	Maintenance: international sound programme and television transmission circuits
Series O	Specifications of measuring equipment
Series P	Terminals and subjective and objective assessment methods
Series Q	Switching and signalling
Series R	Telegraph transmission
Series S	Telegraph services terminal equipment
Series T	Terminals for telematic services
Series U	Telegraph switching
Series V	Data communication over the telephone network
Series X	Data networks, open system communications and security
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