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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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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 V4.6.1 (2017-05).

History

Edition	Recommendation	Approval	Study Group	Unique ID*
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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
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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 (2017), *Testing and Test Control Notation version 3: TTCN-3 core language*.

[ETSI ES 201 873-4 V4.6.1] ETSI ES 201 873-4 V4.6.1 (2017-05), *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 V4.6.1] was approved by ITU-T as the basis for Recommendation ITU-T Z.164.

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