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**ITU-T**

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SERIES Z: LANGUAGES AND GENERAL SOFTWARE  
ASPECTS FOR TELECOMMUNICATION SYSTEMS

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

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**Testing and Test Control Notation version 3:  
Using XML schema with TTCN-3**

Recommendation ITU-T Z.169

ITU-T



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# Recommendation ITU-T Z.169

## Testing and Test Control Notation version 3: Using XML schema with TTCN-3

### Summary

Recommendation ITU-T Z.169 defines the mapping rules for the world wide web consortium (W3C) schema to Testing and Test Control Notation 3 (TTCN-3) to enable testing of XML-based systems, interfaces and protocols.

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

### History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T Z.169	2008-11-29	17	<a href="http://handle.itu.int/11.1002/1000/9625">11.1002/1000/9625</a>
2.0	ITU-T Z.169	2011-03-16	17	<a href="http://handle.itu.int/11.1002/1000/11071">11.1002/1000/11071</a>
3.0	ITU-T Z.169	2012-05-29	17	<a href="http://handle.itu.int/11.1002/1000/11604">11.1002/1000/11604</a>
4.0	ITU-T Z.169	2013-07-14	17	<a href="http://handle.itu.int/11.1002/1000/11966">11.1002/1000/11966</a>
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7.0	ITU-T Z.169	2017-10-14	17	<a href="http://handle.itu.int/11.1002/1000/13380">11.1002/1000/13380</a>
8.0	ITU-T Z.169	2018-10-14	17	<a href="http://handle.itu.int/11.1002/1000/13709">11.1002/1000/13709</a>
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10.0	ITU-T Z.169	2020-10-29	17	<a href="http://handle.itu.int/11.1002/1000/14488">11.1002/1000/14488</a>
11.0	ITU-T Z.169	2021-10-14	17	<a href="http://handle.itu.int/11.1002/1000/14788">11.1002/1000/14788</a>

### Keywords

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

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\* 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/11.1002/1000/1830-en>.

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# Recommendation ITU-T Z.169

## Testing and Test Control Notation version 3: Using XML schema with TTCN-3

### 1 Scope

This Recommendation defines the mapping rules for W3C schema to TTCN-3 to enable testing of XML-based systems, interfaces and protocols.

### 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.

[ETSI ES 201 873-9 V4.12.1] ETSI ES 201 873-9 V4.12.1 (2021-06), *Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 9: Using XML schema with TTCN-3*.

### 3 Definitions

#### 3.1 Terms defined elsewhere

None.

#### 3.2 Terms defined in this Recommendation

None.

### 4 Abbreviations and acronyms

This Recommendation uses the following abbreviations and acronyms:

TTCN	Testing and Test Control Notation
W3C	World Wide Web Consortium
XML	Extensible Mark-up Language

### 5 Conventions

None.

### 6 Endorsement

[ETSI ES 201 873-9 V4.12.1] was approved by ITU-T as the basis for Recommendation ITU-T Z.169.





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