**Recommendation ITU-T Z.166 (revised)**

**Testing and Test Control Notation version 3: TTCN-3 control interface (TCI)**

Summary

Recommendation ITU-T Z.166 specifies the control interfaces for TTCN-3 test system implementations. The TTCN-3 Control Interfaces provide a standardized adaptation for management, test component handling and encoding/decoding of a test system to a particular test platform. This Recommendation defines the interfaces as a set of operations independent of a target language.

The interfaces are defined to be compatible with the TTCN-3 standards (see clause 2). The interface definition uses the CORBA Interface Definition Language (IDL) to specify the TCI completely. Clauses 8 and 9 present language mappings for this abstract specification to the target languages Java and ANSI C. A summary of the IDL based interface specification is provided in Annex A.

This first revision of the Recommendation contains amendments (i.e. C++ and C# language mappings), numerous clarifications, corrigenda and editorial corrections.

This revision of the Recommendation fixes an error in the code specification of ETSI ES 201 387-6 V.4.2.1 TCI-CH provided interface in clause 8.5.3.1 in such a way that tciTestComponentRunningReq, tciTestComponentDoneReq, tciTestComponentAliveReq, and tciTestComponentKilledReq all return public Boolean as result.

This Recommendation is technically aligned with ETSI ES 201 873-6 V4.2.1 (2010-07) [ETSI 201 873-6].

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