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SERIES L: CONSTRUCTION, INSTALLATION AND
PROTECTION OF CABLES AND OTHER ELEMENTS
OF OUTSIDE PLANT

Test suites for assessment of the universal charger solution

Recommendation ITU-T L.1005



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Summary

Recommendation ITU-T L.1005 considers the creation of specific test suites to assess certain functional aspects of the: energy efficiency, interworking, safety and electromagnetic compatibility (EMC) of the universal charger solution (UCS). Such testing is required to guarantee a minimum quality level of the UCS in conformance with the target basic configuration of the UCS and charger described in Recommendation ITU-T L.1000.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
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Conformance, EMC, safety, UCS.

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Recommendation ITU-T L.1005

Test suites for assessment of the universal charger solution

1 Scope

This Recommendation describes the general test suites applicable to the universal charger solution (UCS) defined in [ITU-T L.1000].

It establishes a test list necessary to assess the UCS with respect to the requirements described in [ITU-T L.1000].

With regard to electromagnetic compatibility (EMC) and safety aspects, additional requirements to those listed in [ITU-T L.1000] shall necessary for a product to be available for use by the general public.

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 K.21] Recommendation ITU-T K.21 (2011), *Resistibility of telecommunication equipment installed in customer premises to overvoltages and overcurrents*.
- [ITU-T K.44] Recommendation ITU-T K.44 (2012), *Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents – Basic Recommendation*.
- [ITU-T L.1000] Recommendation ITU-T L.1000 (2011), *Universal power adapter and charger solution for mobile terminals and other hand-held ICT devices*.
- [EN 50563] CENELEC EN 50563:2011, *External a.c. – d.c. and a.c. – a.c. power supplies – Determination of no-load power and average efficiency of active modes*.
<<http://www.cenelec.eu/dyn/www/f?p=104:105:0>>
- [ETSI EN 301 489-34] ETSI EN 301 489-34 (2013), *Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 34: Specific conditions for External Power Supply (EPS) for mobile phones*.
- [IEC 60331-23] IEC 60331-23 (1999), *Tests for electric cables under fire conditions – Circuit integrity – Part 23: Procedures and requirements – Electric data cables*.
- [IEC 60332-1-1] IEC 60332-1-1 (2004), *Tests on electric and optical fibre cables under fire conditions – Part 1-1: Test for vertical flame propagation for a single insulated wire or cable – Apparatus*.
- [IEC 60754-1] IEC 60754-1 (2011), *Test on gases evolved during combustion of materials from cables – Part 1: Determination of the halogen acid gas content*.