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English Version

**Road transport and traffic telematics - After-theft services for the
recovery of stolen vehicles - Part 6: Test procedures**

Télématique des transports - Recherche des véhicules
volés - Partie 6: Modes opératoires d'essai

Straßenverkehrstelematik (RTTT) - Systeme für das
Wiederfinden gestohlener Fahrzeuge - Teil 6: Prüfungen

This Technical Specification (CEN/TS) was approved by CEN on 9 September 2008 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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Foreword

This document (CEN/TS 15213-6:2011) has been prepared by Technical Committee CEN/TC 278 “Road transport and traffic telematics”, the secretariat of which is held by NEN.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

The Technical Committee acknowledges the Motor Insurance Repair Research Centre (Thatcham) Colthrop Way, Thatcham, Berkshire RG19 4NR, United Kingdom for use of their CAT5 test framework as the basis for this document.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This document specifies the Test Criteria for after-theft services for the recovery of stolen vehicles (ATSVR), and their control and use with electronic and electromechanical inhibitor control equipment utilising both conventional switched outputs and/or soft-coded outputs of setting and unsetting devices, detectors, warning devices and ancillary equipment, for fitting to vehicles operating on 12/24 V negative earth electrical systems.

The requirements and tests specified in this standard enable reasonable assessment of components performance with regard to safety, reliability, functionality, security and documentation. To provide reproducible test methods and to avoid the proliferation of technically similar test methods, the test procedures have been chosen, where possible, from internationally accepted standards. For specific guidance on these tests, reference is made to the appropriate document. In the context of the test procedures the term "specimen(s)" shall refer to the component or components of the ATSVR under test. To identify the tests that are to be applied to each type of component, reference shall be made to the table 23 in Annex A1.

The document assumes and requires that all other electrical and radio standards relevant to vehicles are complied with and shall take precedent in the event of conflict with any requirement in these ATSVR requirements.

This document is not intended to stifle technical development or prevent the use of new methods of detection, communication or implementation applied to an ATSVR device or system.

In the event that an ATSVR system uses technology that renders any of the tests contained in this document inappropriate (e.g. a technology that was not envisaged when the standard was developed) then the 'spirit' rather than the 'letter' of the standard should apply.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 60068-1, *Environmental testing — Part 1: General and guidance*

EN 60068-2-1, *Environmental testing — Part 2-1: Tests — Tests A: Cold*

EN 60068-2-2, *Environmental testing — Part 2-2: Tests — Test B: Dry heat*

EN 60068-2-11, *Environmental testing — Part 2: Tests — Test Ka: Salt mist*

EN 60068-2-14, *Environmental testing — Part 2: Tests — Test N: Change of temperature*

EN 60068-2-38, *Environmental testing — Part 2: Tests — Test Z/AD: Composite temperature/humidity cyclic test*

EN 60529, *Degrees of protection provided by enclosures (IP code)*

EN 60068-2-75, *Environmental testing — Part 2: Tests — Test Eh: Hammer tests (IEC 60068-2-75:1997)*

ISO 7637, *Road vehicles — Electrical disturbances from conduction and coupling*

ISO 10605, *Road vehicles — Test methods for electrical disturbances from electrostatic discharge*

ISO 11452-4, *Road vehicles — Component test methods for electrical disturbances from narrowband radiated electromagnetic energy — Part 4: Bulk current injection (BCI)*