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## **Madalpingelised elektripaigaldised. Osa 6: Kontrolltoimingud**

Low voltage electrical installations -- Part 6:  
Verification

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-HD 60364-6:2007 sisaldab Euroopa standardi HD 60364-6:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 28.05.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-HD 60364-6:2007 consists of the English text of the European standard HD 60364-6:2007.</p> <p>This document is endorsed on 28.05.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> Standardi HD 60364 käesolevas osas esitatakse nõuded elektripaigaldise kasutuselevõtukontrolli ja korralise kontrolli kohta. Jaotises 61 esitatakse nõuded elektripaigaldise kasutuselevõtukontrolli kohta, mis viiakse läbi ülevaatuse ja katsetamise teel, et kindlaks teha nii hästi kui tegelikkuses mõistlikult võimalik, kas HD 60364 teiste osade nõuded on täidetud, ning nõuded kasutuselevõtukontrolli tulemuste vormistamise kohta. Kasutuselevõtukontroll toimub pärast uue paigaldise valmimist, paigaldise uute lisandunud osade valmimist või paigaldise muutmist. Jaotises 62 esitatakse nõuded elektripaigaldise korralise kontrolli kohta, mis viiakse läbi, et kindlaks teha nii hästi kui tegelikkuses mõistlikult võimalik, kas paigaldis ja sellesse kuuluvad seadmed on kasutuskõlbulikus seisundis, ning nõuded korralise kontrolli tulemuste vormistamise kohta.</p>	<p><b>Scope:</b> This Part of HD 60364 provides requirements for initial and periodic verification of an electrical installation. Clause 61 provides requirements for initial verification, by inspection and testing, of an electrical installation to determine, as far as reasonably practicable, whether the requirements of the other parts of HD 60364 have been met and requirements for the reporting of the results of the initial verification. The initial verification takes place upon completion of a new installation or completion of additions or of alterations to existing installations. Clause 62 provides requirements for periodic verification of an electrical installation to determine, as far as reasonably practicable, whether the installation and all its constituent equipment are in a satisfactory condition for use and requirements for the reporting of the results of the periodic verification.</p>
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ICS 91.140.50

**Võtmesõnad:** aruanne, ehitis, elektripaigaldis, katsetamine, kontroll

English version

**Low voltage electrical installations -  
Part 6: Verification**  
(IEC 60364-6:2006, modified)

Installations électriques à basse tension -  
Partie 6: Vérification  
(CEI 60364-6:2006, modifiée)

Errichten von Niederspannungsanlagen -  
Teil 6: Prüfungen  
(IEC 60364-6:2006, modifiziert)

This Harmonization Document was approved by CENELEC on 2006-09-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document at national level.

Up-to-date lists and bibliographical references concerning such national implementations may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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## FOREWORD

The text of document 64/1497/FDIS, future edition 1 of IEC 60364-6, prepared by IEC TC 64, Electrical installations and protection against electric shock, was submitted to the IEC-CENELEC parallel vote.

A draft amendment, prepared by SC 64A, Protection against electric shock, of Technical Committee CENELEC TC 64, Electrical installations and protection against electric shock, was submitted to the formal vote.

The combined texts were approved by CENELEC as HD 60364-6 on 2006-09-01.

This Harmonization Document supersedes HD 384.6.61 S2:2003.

The main changes with respect to HD 384.6.61 S2:2003 are:

- extension of the scope to cover, in addition to initial verification, also periodic verification of electrical installations;
- modification of verification requirements in the case of protection by automatic disconnection of the supply;
- requirements for verification of conditions for additional protection;
- requirements for reporting upon completion of initial and periodic verification;
- information concerning the measurement of earth loop impedance with current clamps;
- information concerning the evaluation of voltage drop;
- recommendations for electrical equipment which is being re-used;
- model forms of schedules that might be used for the description and for initial and periodic verification of electrical installations.

The following dates were fixed:

- latest date by which the existence of the HD (doa) 2007-03-01 has to be announced at national level
- latest date by which the HD has to be implemented (dop) 2007-09-01 at national level by publication of a harmonized national standard or by endorsement
- latest date by which the national standards conflicting (dow) 2009-09-01 with the HD have to be withdrawn

Annexes ZA and ZB have been added by CENELEC.

In this standard, the common modifications to the International Standard are indicated by a vertical line in the left margin of the text.

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## 6.1 Scope

This Part of HD 60364 provides requirements for initial and periodic verification of an electrical installation.

Clause 61 provides requirements for initial verification, by inspection and testing, of an electrical installation to determine, as far as reasonably practicable, whether the requirements of the other parts of HD 60364 have been met and requirements for the reporting of the results of the initial verification. The initial verification takes place upon completion of a new installation or completion of additions or of alterations to existing installations.

Clause 62 provides requirements for periodic verification of an electrical installation to determine, as far as reasonably practicable, whether the installation and all its constituent equipment are in a satisfactory condition for use and requirements for the reporting of the results of the periodic verification.

## 6.2 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.

HD 60364 (all parts), *Low voltage electrical installations* (IEC 60364, all parts)

EN 60079-17, *Electrical apparatus for explosive atmospheres – Part 17: Inspection and maintenance of electrical installations in hazardous areas (other than mines)* (IEC 60079-17)

EN 61241-17, *Electrical apparatus for use in the presence of combustible dust – Part 17: Inspection and maintenance of electrical installations in hazardous areas (other than mines)* (IEC 61241-17)

EN 61557 (all parts), *Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures* (IEC 61557, all parts)

## 6.3 Definitions

For the purpose of clauses 61 and 62 the following definitions apply.

### 6.3.1 verification

all measures by means of which compliance of the electrical installation with the relevant requirements of HD 60364 is checked

NOTE It comprises inspection, testing and reporting.

### 6.3.2 inspection

Examination of an electrical installation using all the senses in order to ascertain correct selection and proper erection of electrical equipment.

### 6.3.3 testing

implementation of measures in an electrical installation by means of which its effectiveness is proved