

SLOVENSKI STANDARD
SIST EN 14044:2005/oprA1:2008
01-september-2008

Visoke nadzemne naprave za gasilske enote - Polavtomatske vrtljive gasilske avtolestve - Zahteve za varnost in obnašanje v uporabi in preskusne metode

High rise aerial appliances for fire service use - Turntable ladders with sequential movements - Safety and performance requirements and test methods

Hubrettungsfahrzeuge für die Feuerwehr - Drehleitern mit aufeinander folgenden (sequenziellen) Bewegungen (Halbautomatik-Drehleitern) - Sicherheits- und Leistungsanforderungen sowie Prüfverfahren

Moyens élévateurs aériens pour la lutte contre l'incendie - Echelles pivotantes à mouvements séquentiels - Prescriptions de sécurité et des performances et méthodes d'essais

Ta slovenski standard je istoveten z: EN 14044:2005/prA1

ICS:

13.220.10	Gašenje požara	Fire-fighting
97.145	Lestve	Ladders

SIST EN 14044:2005/oprA1:2008 **en,de**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

FINAL DRAFT
EN 14044:2005

prA1

July 2008

ICS 13.220.10

English Version

High rise aerial appliances for fire service use - Turntable ladders with sequential movements - Safety and performance requirements and test methods

Moyens élévateurs aériens pour la lutte contre l'incendie -
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Leistungsanforderungen sowie Prüfverfahren

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 192.

This draft amendment A1, if approved, will modify the European Standard EN 14044:2005. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 14044:2005/prA1:2008) has been prepared by Technical Committee CEN/TC 192 "Fire service equipment", the secretariat of which is held by BSI.

This document is currently submitted to the Unique Acceptance Procedure.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document.

The reason for amending the published standard EN 14044:2005 are as follows:

The revision of the EC-Machinery Directive 98/37/EC into 2006/42/EC requires the modification of published European Standards cited in the Official Journal of the European Communities under that Directive. If no amendment is made by the committee experts, then the standard would be updated with an Annex Z stating that it does NOT meet the requirements of 2006/42/EC. This would result in the standard being removed from the Official Journal and becoming a non-harmonized standard.

To keep the published standard EN 14044:2005 as a harmonized standard it was carefully checked against the new EC-Machinery Directive 2006/42/EC and it was established that EN 14044:2005 meets the Essential Health and Safety Requirements (EHSR) of the new EC-Machinery Directive 2006/42/EC in nearly all requirements of the standard. Only a few requirements were established for a necessary amendment. CEN/TC 192 has therefore decided to use the Type 2 amendment track, which is a 5 months UAP amendment with the addition of a new Annex ZB, only few technical update as well as minor editorial changes.

EN 14044:2005/prA1:2008 (E)**1 Modification to the Foreword, 4th paragraph**

Delete the existing 4th Paragraph and replace it with the following:

"For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document."

2 Modification to 5.1.6.13.2.1, Cables

Replace the existing 5th and 6th paragraph of 5.1.6.13.2.1 with the following:

"The manufacturer shall use only cable of certified strength and shall provide a certificate with the information for use. When using for a ladder set cables for load bearing, there shall be at least two independent cable systems (consisting of one cable or more cables in parallel), each with their own anchorage. The safety factor of each system shall be at least 7. The safety factor is the ratio between the minimum breaking load of the cable and the force which may occur in the cable under static conditions with fully loaded turntable ladder.

Where a cable system consists of a number of cables in parallel connected to one point, there shall be a provision for equalising the loading on the cables."

3 Modification to 5.1.6.13.3.1, Chains

Replace the existing 1st, 2nd and 3rd paragraph of 5.1.6.13.3.1 with the following:

"When using for a turntable ladder chains for load bearing, there shall be at least two independent chain systems (consisting of one chain or more chains in parallel), each with their own anchorage. The safety factor of each chain system shall be at least 6. The safety factor corresponds to the ratio between the minimum breaking load of the chain and the force which can occur in the chain under static conditions with fully loaded turntable ladder.

Round link steel chains shall not be used.

Where a chain system consists of a number of chains in parallel connected to one point, there shall be a provision for equalising the loading on the chains."

4 Modification to 7.2.2, Operating instruction

Replace the existing item j) with the following:

- j) information concerning vibrations transmitted by the machinery to the hand-arm system and to the whole body:
- 1) the vibration total value to which the hand-arm system is subjected, if it exceeds $2,5 \text{ m/s}^2$. Where this value does not exceed $2,5 \text{ m/s}^2$, this shall be mentioned;
 - 2) the highest root mean square value of weighted acceleration to which the whole body is subjected, if it exceeds $0,5 \text{ m/s}^2$. Where this value does not exceed $0,5 \text{ m/s}^2$, this shall be mentioned;
 - 3) the uncertainty of measurement (whenever values are indicated).

The values indicated shall be either those actually measured for the machinery in question or those established on the basis of measurements taken for technically comparable machinery which is representative of the machinery to be produced. The vibration shall be measured using the most appropriate measurement code for the machinery concerned and the operating conditions during measurement and the measurement codes used shall be described."

Add a new item r) at the end of the list as follows:

- "r) information concerning the radiation emitted for the operator and exposed persons where machinery is likely to emit non-ionising radiation which can cause harm to persons, in particular persons with active or non-active implantable medical devices."

5 Modification to 7.2.4, Information on commissioning

Add the following new 3rd item in 7.2.4:

- "c) test report, where appropriate, detailing the static and dynamic tests carried out by or for the manufacturer or his authorised representative."

6 Modification to 7.2.7, Maintenance information for use by trained personnel

Replace the existing item f) with the following:

- "f) criteria for repair/replacement of parts, e.g. wire ropes and chains and the specifications of the spare parts to be used, when these affect the health and safety of operations;"

7 Modification to 7.3.1

Replace the existing 1st dash in 7.3.1 with the following:

- "– the business name and full address of the manufacturer and, where applicable, his authorised representative;"

Replace the existing 3rd dash in 7.3.1 with the following:

- "– the year of construction, that is the year in which the manufacturing process is completed;"

Add a new 4th dash in 7.3.1 before the dash "designation of series or type" with the following text:

- "– designation of the machinery;"

Replace the existing text of footnote 1) with the following:

"For machines and their related products intended to be put on the market in the EEA, CE marking as defined in the applicable European directive(s), e.g. Machinery."

Add two new dashes in 7.3.1 after the last dash "operating instructions for the emergency operation system" with the following text:

- "– nominal power expressed in kilowatts (kW);
– mass of the most usual configuration, in kilograms (kg)."

EN 14044:2005/prA1:2008 (E)

8 Addition of new Annex ZB

Add the following new Annex ZB: "

"Annex ZB
(informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 2006/42/EC on machinery.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard, except clauses 5.1.2.3.8, 5.1.5, 5.2, 6 and 7.4 confers, within the limits of the scope of this standard, a presumption of conformity with the relevant Essential Requirements of that Directive and associated EFTA regulations.

WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard. "

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