

SLOVENSKI STANDARD oSIST prEN ISO 15027-3:2010

01-september-2010

Potopne obleke - 3. del: Preskusne metode (ISO/DIS 15027-3:2010)

Immersion suits - Part 3: Test methods (ISO/DIS 15027-3:2010)

Schutzkleidung gegen Unterkühlung im Wasser - Teil 3: Prüfverfahren (ISO/DIS 15027-3:2010)

Combinaisons de protection thermique en cas d'immersion - Partie 3: Méthodes d'essai (ISO/DIS 15027-3:2010)

Ta slovenski standard je istoveten z: prEN ISO 15027-3

ICS:

13.340.10 Varovalna obleka Protective clothing

oSIST prEN ISO 15027-3:2010 en,fr,de

oSIST prEN ISO 15027-3:2010

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 15027-3:2013

https://standards.iteh.ai/catalog/standards/sist/1883222c-7ecb-4258-838b-6ed1504be8f8/sist-en-iso-15027-3-2013

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

DRAFT prEN ISO 15027-3

June 2010

ICS 13.340.10

Will supersede EN ISO 15027-3:2002

English Version

Immersion suits - Part 3: Test methods (ISO/DIS 15027-3:2010)

Combinaisons de protection thermique en cas d'immersion - Partie 3: Méthodes d'essai (ISO/DIS 15027-3:2010)

Schutzkleidung gegen Unterkühlung im Wasser - Teil 3: Prüfverfahren (ISO/DIS 15027-3:2010)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 162.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard 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.

CEN members are the national standards bodies of 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 United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning: This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

prEN ISO 15027-3:2010 (E)

Contents	Pa	age
Foreword		3

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 15027-3:2013
https://standards.iteh.ai/catalog/standards/sist/1883222c-7ecb-4258-838b

prEN ISO 15027-3:2010 (E)

Foreword

This document (prEN ISO 15027-3:2010) has been prepared by Technical Committee CEN/TC 162 "Protective clothing including hand arm protection and lifejackets", the secretariat of which is held by DIN, in collaboration with Technical Committee ISO/TC 188 "Small craft".

This document is currently submitted to the parallel Enquiry.

This document will supersede EN ISO 15027-3:2002.

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).

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 15027-3:2013
https://standards.iteh.ai/catalog/standards/sist/1883222c-7ecb-4258-838b

oSIST prEN ISO 15027-3:2010

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 15027-3:2013

https://standards.iteh.ai/catalog/standards/sist/1883222c-7ecb-4258-838b-6ed1504be8f8/sist-en-iso-15027-3-2013

oSIST prEN ISO 15027-3:2010



DRAFT INTERNATIONAL STANDARD ISO/DIS 15027-3

ISO/TC 188 Secretariat: SIS

Voting begins on: Voting terminates on:

2010-06-03 2010-11-03

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Immersion suits —

Part 3:

Test methods

Combinaisons de protection thermique en cas d'immersion —

Partie 3: Méthodes d'essai

[Revision of first edition (ISO 15027-3:2002)]

ICS 13.340.10

ISO/CEN PARALLEL PROCESSING

This draft has been developed within the European Committee for Standardization (CEN), and processed under the **CEN-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

ISO/DIS 15027-3

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN ISO 15027-3:2013</u> https://standards.iteh.ai/catalog/standards/sist/1883222c-7ecb-4258-838b-6ed1504be8f8/sist-en-iso-15027-3-2013

Copyright notice

This ISO document is a Draft International Standard and is copyright-protected by ISO. Except as permitted under the applicable laws of the user's country, neither this ISO draft nor any extract from it may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission being secured.

Requests for permission to reproduce should be addressed to either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Reproduction may be subject to royalty payments or a licensing agreement.

Violators may be prosecuted.

Contents

Page

Forewo	ord	iv	
1	Scope	1	
2	Normative references	1	
	Testing of the device		
3.1	General		
3.2	Sampling		
	Test subjects		
	Instruction and selection		
3.3.2	Number and sizes of subjects		
	Gender of subjects		
3.3.4	Fitness of subjects		
3.3.5	Dress of subjects		
3.3.6	Pass/fail criteria		
3.4	Fuel resistance test		
3.5	Flammability test		
	Principle		
3.5.2	Apparatus	3	
3.5.3	Sampling		
3.5.4	Procedures		
3.5.5	Evaluation		
3.6	Rotating shock bin testing		
3.6.1	Apparatus		
3.6.2	Procedure		
3.6.3	Evaluation and ards. iteh. al.(catalog/standards/sist/1883222c=7ech-4258-838h-		
3.7	Leakage measurement		
3.7.1	Leakage measurement for jumping		
3.7.2	Leakage measurement for swimming		
3.8	Thermal test		
3.8.1	Using a thermal manikin		
3.8.2	Using human subjects		
3.9	Temperature cycling testing		
3.10	Performance testing		
	Sampling		
	Test in conjunction with other items		
3.10.3 3.11	Procedure		
•	Ergonomic factors		
	Donning		
	Walking		
	Climbing		
	Dexterity		
	Helicopter transit suits		
	A (normative) Test results — Uncertainty of measurement	17	
Annex ZA (informative) Relationship between this standard and the Essential Requirements of			
	EU Directive 89/686/EEC	18	
Bibliog	ranhv	19	

ISO/DIS 15027-3

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 15027-3 was prepared by Technical Committee ISO/TC 188, Small crafts, Subcommittee SC, and by Technical Committee CEN/TC 162, Protective clothing including hand and arm protection and lifejackets in collaboration.

This second edition cancels and replaces the first edition (EN ISO 15027-3:2002), which has been technically revised.

ISO 15027 consists of the following parts, under the general title *Immersion suits*:

- Part 1: Constant wear suits, requirements including safety (ISO/DIS 15027-1:2010)
- Part 2: Abandonment suits, requirements including safety (ISO/DIS 15027-2:2010)
- Part 3: Test methods (ISO/DIS 15027-3:2010)

ISO/DIS 15027-3

Immersion suits —

Part 3:

Test methods

1 Scope

This standard specifies the test methods for constant wear suits and abandonment suits.

For requirements for constant wear suits see ISO/DIS 15027-1:2010 and for requirements for abandonment suits see ISO/DIS 15027-2:2010.

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 590, Automotive fuels — Diesel — Requirements and test methods

ISO 811, Textile fabrics - Determination of resistance to water penetration - Hydrostatic pressure test

ISO/DIS 15027-1:2010, Immersion suits — Part 1: Constant wear suits, requirements including safety

ISO/DIS 15027-2:2010, Immersion suits — Part 2: Abandonment suits, requirements including safety

3 Testing of the device

3.1 General

Requirements, for which no special test methods are given in this document, shall be tested in one of the following ways:

- a) by tests referred to in ISO 15027-1 and ISO 15027-2; or
- b) by measurement; or
- c) by visual assessment; or
- d) by functional test.

Prior to testing materials and components shall be conditioned for (24 ± 0,1) h under standard atmosphere.

3.2 Sampling

Where materials and components are common to a range of suits, it shall be permitted to test just one sample of each material or component, unless specified otherwise by the relevant test procedure.