



**SLOVENSKI STANDARD**  
**SIST EN IEC 60068-2-20:2021**

**01-julij-2021**

**Nadomešča:**  
**SIST EN 60068-2-20:2009**

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**Okoljski preskusi - 2-20. del: Preskusi - Preskusa Ta in Tb: Preskusne metode za določanje spajkljivosti in odpornosti proti toploti spajkanja za komponente z izvodi**

Environmental testing - Part 2-20: Tests - Test T: Test methods for solderability and resistance to soldering heat of devices with leads

Umgebungseinflüsse - Teil 2-20: Prüfungen - Prüfung T: Prüfverfahren für die Lötbarkeit und Lötwärmebeständigkeit von Bauelementen mit herausgeführten Anschlüssen

Essais d'environnement - Partie 2-20: Essais - Essai T: Méthodes d'essai de la brasabilité et de la résistance à la chaleur de brasage des dispositifs à broches

**Ta slovenski standard je istoveten z: EN IEC 60068-2-20:2021**

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**ICS:**

19.040      Preskušanje v zvezi z      Environmental testing  
                 okoljem

**SIST EN IEC 60068-2-20:2021      en**

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EUROPEAN STANDARD

**EN IEC 60068-2-20**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2021

ICS 19.040

Supersedes EN 60068-2-20:2008 and all of its  
amendments and corrigenda (if any)

English Version

**Environmental testing - Part 2-20: Tests - Test Ta and Tb: Test  
methods for solderability and resistance to soldering heat of  
devices with leads  
(IEC 60068-2-20:2021)**

Essais d'environnement - Partie 2-20: Essais - Essais Ta et  
Tb: Méthodes d'essai de la brasabilité et de la résistance à  
la chaleur de brasage des dispositifs à broches  
(IEC 60068-2-20:2021)

Umgebungseinflüsse - Teil 2-20: Prüfungen - Prüfung Ta  
und Tb: Prüfverfahren für die Lötbarkeit und  
Lötwärmebeständigkeit von Bauelementen mit  
herausgeführten Anschlüssen  
(IEC 60068-2-20:2021)

This European Standard was approved by CENELEC on 2021-05-04. CENELEC 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN IEC 60068-2-20:2021 (E)****European foreword**

The text of document 91/1701/FDIS, future edition 6 of IEC 60068-2-20, prepared by IEC/TC 91 "Electronics assembly technology" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60068-2-20:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2022-02-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-05-04

This document supersedes EN 60068-2-20:2008 and all of its amendments and corrigenda (if any).

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The text of the International Standard IEC 60068-2-20:2021 was approved by CENELEC as a European Standard without any modification. (standards.iteh.ai)

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60068-2-58	NOTE	Harmonized as EN 60068-2-58
IEC 60068-2-69:2017	NOTE	Harmonized as EN 60068-2-69:2017 (not modified)
IEC 61190-1-3:2017	NOTE	Harmonized as EN IEC 61190-1-3:2018 (not modified)

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 60068-2-2	-	Environmental testing - Part 2-2: Tests - Test B: Dry heat	EN 60068-2-2	-
IEC 60068-2-66	-	Environmental testing - Part 2: Test methods - Test Cx: Damp heat, steady state (unsaturated pressurized vapour)	EN 60068-2-66	-
IEC 60068-2-78	-	Environmental testing - Part 2-78: Tests - Test Ca: Damp heat, steady state	EN 60068-2-78	-
IEC 61191-3	-	Printed board assemblies - Part 3: Sectional specification - Requirements for through-hole mount soldered assemblies	EN 61191-3	-
IEC 61191-4	-	Printed board assemblies - Part 4: Sectional specification - Requirements for terminal soldered assemblies	EN 61191-4	-

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Environmental testing –**  
**Part 2-20: Tests – Tests Ta and Tb: Test methods for solderability and**  
**resistance to soldering heat of devices with leads**

**Essais d'environnement –**  
**Partie 2-20: Essais – Essais Ta et Tb: Méthodes d'essai de la brasabilité**  
**et de la résistance à la chaleur de brasage des dispositifs à broches**

INTERNATIONAL  
ELECTROTECHNICAL  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## ENVIRONMENTAL TESTING –

**Part 2-20: Tests –  
Tests Ta and Tb: Test methods for solderability  
and resistance to soldering heat of devices with leads**

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IEC 60068-2-20 has been prepared by IEC technical committee 91: Electronics assembly technology. It is an International Standard.

This sixth edition cancels and replaces the fifth edition published in 2008. This sixth edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) update of and clarification of pre-conditioning (former "aging") and its relation to natural aging.

The text of this International Standard is based on the following documents:

Draft	Report on voting
91/1701/FDIS	91/1711/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

A list of all the parts in the IEC 60068 series, under the general title *Environmental testing*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
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