



SLOVENSKI STANDARD
SIST EN 4261:2022

01-junij-2022

Aeronavtika - Kovinski materiali - Pravila za pripravo in predstavitev standardov o preskusnih metodah

Aerospace series - Metallic materials - Rules for drafting and presentation of test method standards

Luft- und Raumfahrt - Metallische Werkstoffe - Regeln für die Erstellung und Gestaltung von Normen über Prüfverfahren

Série aérospatiale - Matériaux métalliques - Règles pour la rédaction et la présentation des normes de méthodes d'essais

Ta slovenski standard je istoveten z: EN 4261:2022

<https://standards.iteh.ai/catalog/standards/sist/fe2498a6-b61e-488d-92cc-5efad2afa0bc/sist-en-4261-2022>

ICS:

49.025.05 Železove zlitine na splošno Ferrous alloys in general

SIST EN 4261:2022

en,fr,de

**iTeh STANDARD
PREVIEW
(standards.iteh.ai)**

[SIST EN 4261:2022](#)

<https://standards.iteh.ai/catalog/standards/sist/fe2498a6-b61e-488d-92cc-5efad2afa0bc/sist-en-4261-2022>

EUROPEAN STANDARD

EN 4261

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2022

ICS 49.025.05; 49.025.15

English Version

Aerospace series - Metallic materials - Rules for drafting and presentation of test method standards

Série aérospatiale - Matériaux métalliques - Règles
pour la rédaction et la présentation des normes de
méthodes d'essais

Luft- und Raumfahrt - Metallische Werkstoffe - Regeln
für die Abfassung und Gestaltung von Prüfnormen über
Prüfverfahren

This European Standard was approved by CEN on 18 November 2019.

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. 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 CEN member.

This European Standard exists 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-CENELEC 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

[SIST EN 4261:2022](https://standards.iteh.ai/catalog/standards/sist/fe2498a6-b61e-488d-92cc-5efad2afa0bc/sist-en-4261-2022)

<https://standards.iteh.ai/catalog/standards/sist/fe2498a6-b61e-488d-92cc-5efad2afa0bc/sist-en-4261-2022>



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

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

Contents	Page
European foreword	3
Introduction	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	5
4 Framework and structure.....	5
4.1 General.....	5
4.2 Required elements	5
5 Content.....	6
5.1 Title.....	6
5.2 Introduction.....	6
5.3 Clause 1: Scope.....	7
5.4 Clause 2: Normative references.....	7
5.5 Clause 3: Terms and definitions.....	7
5.6 Clause 4: Health and safety.....	8
5.7 Clause 5: Principle	8
5.8 Clause 6: Testing requirements.....	8
5.9 Clause 7: Test report.....	10
Annex A (informative) Examples of equipment/plant descriptions to be included in Subclause 6.1.1.....	12
A.1 Mechanical testing.....	12
A.2 Non-destructive testing.....	12
A.3 Macrographic/Micrographic.....	13
A.4 Chemical.....	13
A.5 Corrosion testing/stress corrosion testing.....	13
Annex B (informative) Examples of materials/reagents to be included in Subclause 6.1.2.....	14
B.1 Mechanical testing.....	14
B.2 Non-destructive testing.....	14
B.3 Macrographic/Micrographic.....	14
B.4 Chemical.....	14
B.5 Corrosion testing/stress corrosion testing.....	15

European foreword

This document (EN 4261:2022) has been prepared by the Aerospace and Defence Industries Association of Europe — Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2022, and conflicting national standards shall be withdrawn at the latest by October 2022.

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

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

iTeh STANDARD
PREVIEW
(standards.iteh.ai)

[SIST EN 4261:2022](https://standards.iteh.ai/catalog/standards/sist/fe2498a6-b61e-488d-92cc-5efad2afa0bc/sist-en-4261-2022)

<https://standards.iteh.ai/catalog/standards/sist/fe2498a6-b61e-488d-92cc-5efad2afa0bc/sist-en-4261-2022>

EN 4261:2022 (E)

Introduction

This document is part of the series of EN metallic material standards for aerospace applications. The general organization of this series is described in EN 4258.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 4261:2022](https://standards.iteh.ai/catalog/standards/sist/fe2498a6-b61e-488d-92cc-5efad2afa0bc/sist-en-4261-2022)

<https://standards.iteh.ai/catalog/standards/sist/fe2498a6-b61e-488d-92cc-5efad2afa0bc/sist-en-4261-2022>

1 Scope

This document specifies the rules for the drafting and presentation of test method standards.

2 Normative references

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.

EN 4179, *Aerospace series — Qualification and approval of personnel for non-destructive testing*

EN 4258, *Aerospace series — Metallic materials — General organization of standardization — Links between types of EN standards and their use*

EN 4259, *Aerospace series — Metallic materials — Definition of general terms*¹

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Framework and structure

4.1 General

Where necessary, the test method standard may be subdivided into several parts (e.g. EN XXXX-001, EN XXXX-002, etc.).

In such cases, all general requirements shall be incorporated in Part 001 (general part) and the specific requirement in Part 002 onwards (specific parts).

4.2 Required elements

The test method standard shall include the following elements in the given order:

- a) Title;
- b) Introduction;
- c) Clause – 1 Scope;
- d) Clause – 2 Normative references;
- e) Clause – 3 Terms and definitions;
- f) Clause – 4 Health and safety;
- g) Clause – 5 Principle;
- h) Clause – 6 Testing requirements;

¹ Published as ASD-STAN Standard at the date of publication of this document (see www.asd-stan.org).

EN 4261:2022 (E)

- 6.1 Resources;
 - 6.2 Test samples/test pieces;
 - 6.3 Testing procedures;
 - 6.4 Expression of results;
- i) Clause - 7 Test report.

5 Content

Standard sentences, placed in a frame, are listed below for the different clauses of the test method standard and are mandatory.

When necessary, further information is indicated in italics.

5.1 Title

The title shall give sufficient information to unambiguously identify the subject of the standard.

5.1.1 General part

Where necessary, the title should also identify the semi-finished products and the family(ies) of metallic materials to which that test method applies.

EXAMPLE	
Aerospace series	
Metallic materials	<i>(except where the test method is applicable to a specific family of metallic materials, in which case it shall be stated, e.g. steel.)</i>
Test method	
	<i>Complete with the type of test method, e.g. creep testing, eddy current test.</i>
Part 001: General requirements	
	<i>(when required if the test method comprises more than one part)</i>

5.1.2 Specific part

EXAMPLE	
Aerospace series	
Metallic materials	<i>(except where the test method is applicable to a specific family of metallic materials, in which case it shall be stated, e.g. steel.)</i>
Test method	
	<i>Complete with the type of test method, e.g. creep testing, eddy current test.</i>
Part X	<i>(e.g. resources, test samples/test pieces, calibration procedure, test procedure.)</i>

5.2 Introduction

EXAMPLE
Introduction
This document is part of the series of EN metallic material standards for aerospace applications. The general organization of this series is described in EN 4258.

5.3 Clause 1: Scope

In this clause the scope and application limits of the test method shall be stated.

5.3.1 General part

EXAMPLE

1 Scope

This document specifies the general requirements for the (*e.g. ultrasonic testing*) of metallic materials (*e.g. steel, or titanium*) for aerospace applications.

Additional information, e.g. limits of method or dimensions of the specimens may be added if necessary.

Specific requirements relating to (*procedures*) are given in Part 002 onwards (*if applicable*).

It shall be applied when referred to in the EN technical specification or material standard unless otherwise specified on the drawing, order or inspection schedule.

5.3.2 Specific part

EXAMPLE

1 Scope

This document specifies the requirements for (*test procedure*) during (*e.g. tensile testing, ultrasonic testing*) of metallic materials (*e.g. steel*) for aerospace applications.

It shall be applied in conjunction with EN XXXX-001 (*insert EN number of the general part*)

5.4 Clause 2: Normative references

EXAMPLE

2 Normative references

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. (*Followed by the list of documents, give their titles, to which reference is made in the text*).

5.5 Clause 3: Terms and definitions

5.5.1 General part

If no extra definitions to those given in EN 4259 are required:

EXAMPLE

3 Terms and definitions

For the purpose of this document, the terms and definitions given in EN 4259 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

If extra definitions to those given in EN 4259:

EN 4261:2022 (E)

EXAMPLE

3 Terms and definitions

For the purpose of this document, the terms and definitions given in EN 4259 and the following apply. ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1 General terms

See EN 4259.

3.2 Other terms**5.5.2 Specific part**

EXAMPLE

3 Terms and definitions

For the purpose of this document, the terms and definitions given in EN XXXX-001 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

5.6 Clause 4: Health and safety

EXAMPLE

4 Health and safety

Resources, test pieces, test samples, test materials, test equipment and test procedures shall comply with the current health and safety regulations/laws of the countries where the test is to be carried out. Where materials and/or reagents which may be hazardous to health are specified, appropriate precautions in conformity with local regulations and/or laws shall be taken.

5.7 Clause 5: Principle**5.7.1 General part**

A short and general description of the principle of the test method shall be given.

5.7.2 Specific part

A short and general description of the technique(s) covered by the specific part may be given if it is not covered by the general part, or state:

See EN XXXX-001 (*insert the EN number of the general part*).

5.8 Clause 6: Testing requirements

This clause shall contain all the necessary requirements to enable the test to be satisfactorily performed.

This clause shall normally be subdivided into the following subclauses: