



SLOVENSKI STANDARD

oSIST prEN 4179:2025

01-junij-2025

Aeronavtika - Kvalificiranje in odobritev osebja za neporušitvene preiskave

Aerospace series - Qualification and approval of personnel for nondestructive testing

Luft- und Raumfahrt - Qualifizierung und Zulassung des Personals für zerstörungsfreie Prüfungen

Ta slovenski standard je istoveten z: prEN 4179

ICS:

03.100.30	Vodenje ljudi	Management of human resources
19.100	Neporušitveno preskušanje	Non-destructive testing
49.020	Letala in vesoljska vozila na splošno	Aircraft and space vehicles in general

oSIST prEN 4179:2025

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 4179

April 2025

ICS 03.100.30; 19.100; 49.020

Will supersede EN 4179:2021

English Version

**Aerospace series - Qualification and approval of personnel
for nondestructive testing**

Luft- und Raumfahrt - Qualifizierung und Zulassung
des Personals für zerstörungsfreie Prüfungen

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

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-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, Türkiye 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

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

Contents

Page

European foreword	4
1 Scope.....	5
1.1 Purpose.....	5
1.2 Applicability.....	5
1.2.1 Implementation.....	5
1.3 Methods.....	6
1.3.1 NDT methods.....	6
1.3.2 Other methods	6
2 Normative references.....	6
3 Terms and definitions	6
4 General requirements	11
4.1 Written practice	11
4.1.1 Qualification and certification	11
4.1.2 Additional requirements.....	12
4.1.3 NDT techniques	12
4.1.4 Training outlines.....	12
4.1.5 Examination practices.....	12
4.1.6 Administration.....	12
4.1.7 Records.....	12
4.2 Methods.....	12
4.3 Responsibility	12
4.3.1 General.....	12
4.3.2 Responsible Level 3.....	13
4.3.3 Outside agency.....	13
5 Qualification and certification levels.....	13
5.1 General.....	13
5.2 Trainee.....	13
5.3 Level 1-Limited.....	14
5.4 Level 1	14
5.5 Level 2	14
5.6 Level 3	15
5.7 Auditor.....	15
6 Training and experience	15
6.1 Training.....	15
6.1.1 General.....	15
6.1.2 Training outlines.....	16
6.1.3 Previous training	17
6.1.4 Equivalent training.....	17
6.1.5 Health and safety training.....	17
6.2 Training and examination personnel.....	18
6.2.1 Responsible Level 3.....	18
6.2.2 Examiners.....	18
6.2.3 Instructors.....	18
6.2.4 OUTSIDE AGENCIES	18
6.3 Experience.....	18

6.3.1	General	18
6.3.2	Previous experience	18
6.3.3	Equivalent experience	19
6.4	Emerging NDT methods.....	20
6.4.1	General	20
6.4.2	Minimum hours.....	20
6.4.3	Levels 1 and 2.....	20
6.4.4	Level 3.....	20
7	Examinations.....	21
7.1	Purpose	21
7.1.1	General	21
7.1.2	Vision examination	21
7.1.3	Basic examination	21
7.1.4	General examination	22
7.1.5	Specific examination	22
7.1.6	Practical examination	22
7.2	Administration of examinations	23
7.2.1	General	23
7.2.2	Administration by an outside agency.....	24
7.2.3	Scoring.....	24
7.2.4	Re-examination	24
8	Certification	24
8.1	General	24
8.2	Records.....	25
8.2.1	Minimum requirements.....	25
8.2.2	Record availability	25
8.3	Loss of certification.....	25
8.3.1	Expiration.....	25
8.3.2	Suspension	26
8.3.3	Revocation.....	26
8.4	Reinstatement of certification	26
8.5	Recertification	26
8.5.1	Level 1 and Level 2	26
8.5.2	Level 3	26
8.5.3	Hands-on practical examination.....	27
8.6	Annual proficiency review	27
Annex A (normative)	Credit system for recertification of Level 3 NDT personnel.....	28
Annex B (normative)	Qualification and certification of Level 1-limited	31
Annex C (normative)	National Aerospace Non-Destructive Testing Boards (NANDTB).....	34
Annex D (normative)	Credit system for initial certification to Level 3	37

prEN 4179:2025 (E)**European foreword**

This document (prEN 4179:2025) has been prepared by ASD-STAN.

After enquiries and votes carried out in accordance with the rules of this Association, this document 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 document is currently submitted to the CEN Enquiry.

This document will supersede EN 4179:2021.

prEN 4179:2025 includes the following significant technical changes with respect to EN 4179:2021:

- updated Table 5 and Table 6 Education Requirements;
- modified Table 7 Vision Requirements and Specification of ISO 18490:2015;
- added Prerequisite Requirements for Basic Level 3 Exam;
- updated Reinstatement of Certifications;
- added Annex D - Credit System for Initial Certification to Level 3.

Standards
(<https://standards.iteh.ai>)
Document Preview

[oSIST prEN 4179:2025](https://standards.iteh.ai/catalog/standards/sist/e8d1206b-ba86-4603-b9f5-61d36889505a/osist-pren-4179-2025)

<https://standards.iteh.ai/catalog/standards/sist/e8d1206b-ba86-4603-b9f5-61d36889505a/osist-pren-4179-2025>