

---

**Neporušitvene preiskave - Vrednotenje ostrine vida za osebe, ki izvaja neporušitvene preiskave (NDT) (ISO 18490:2026)**

Non-destructive testing - Evaluation of vision acuity of NDT personnel (ISO 18490:2026)

Zerstörungsfreie Prüfung - Bestimmung der Sehfähigkeit von ZfP-Personal (ISO 18490:2026)

Essais non destructifs - Évaluation de l'acuité visuelle du personnel END (ISO 18490:2026)

**Ta slovenski standard je istoveten z: EN ISO 18490:2026**

**ICS:**

03.100.30	Vodenje ljudi	Management of human resources
19.100	Neporušitveno preskušanje	Non-destructive testing

**SIST EN ISO 18490:2026****en,fr,de**

# Sample Document

get full document from [standards.iteh.ai](https://standards.iteh.ai)

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 18490**

April 2026

ICS 03.100.30; 19.100

Supersedes EN ISO 18490:2015

English Version

## Non-destructive testing - Evaluation of vision acuity of NDT personnel (ISO 18490:2026)

Essais non destructifs - Évaluation de l'acuité visuelle  
du personnel END (ISO 18490:2026)

Zerstörungsfreie Prüfung - Bestimmung der  
Sehfähigkeit von ZfP-Personal (ISO 18490:2026)

This European Standard was approved by CEN on 23 March 2026.

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, Türkiye and United Kingdom.

get full document from [standards.iteh.ai](https://standards.iteh.ai)



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

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

© 2026 CEN All rights of exploitation in any form and by any means reserved  
worldwide for CEN national Members.

Ref. No. EN ISO 18490:2026 E

Contents	Page
European foreword.....	3

# Sample Document

get full document from [standards.iteh.ai](https://standards.iteh.ai)

## European foreword

This document (EN ISO 18490:2026) has been prepared by Technical Committee ISO/TC 135 "Non-destructive testing" in collaboration with Technical Committee CEN/TC 138 "Non-destructive testing" the secretariat of which is held by AFNOR.

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 2026, and conflicting national standards shall be withdrawn at the latest by October 2026.

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.

This document supersedes EN ISO 18490:2015.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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, Türkiye and the United Kingdom.

## Endorsement notice

The text of ISO 18490:2026 has been approved by CEN as EN ISO 18490:2026 without any modification.

# Sample Document

get full document from [standards.iteh.ai](https://standards.iteh.ai)



**International  
Standard**

**ISO 18490**

**Non-destructive testing —  
Evaluation of vision acuity of NDT  
personnel**

*Essais non destructifs — Évaluation de l'acuité visuelle du  
personnel END*

**Second edition  
2026-03**

Sample Document

get full document from [standards.iteh.ai](https://standards.iteh.ai)

# Sample Document

get full document from [standards.iteh.ai](https://standards.iteh.ai)



## **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2026

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

© ISO 2026 – All rights reserved

## ISO 18490:2026(en)

## Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>vi</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Chart print quality and marking</b> .....	<b>2</b>
<b>5 Health and safety requirements</b> .....	<b>2</b>
<b>6 Personnel administering the test</b> .....	<b>2</b>
<b>7 Near and Far Vision Test charts</b> .....	<b>3</b>
<b>8 Test procedure</b> .....	<b>3</b>
8.1 General.....	3
8.2 Eye to chart distance.....	3
8.3 Vision Correction.....	3
8.4 Tests.....	4
8.4.1 General.....	4
8.4.2 Near and Far Guidance.....	4
<b>9 Acceptance levels</b> .....	<b>5</b>
<b>Annex A (informative) Radner Chart (Not to scale)</b> .....	<b>6</b>
<b>Annex B (informative) Snellen Chart (Not to scale)</b> .....	<b>7</b>
<b>Annex C (informative) Landolt Chart (Not to scale)</b> .....	<b>8</b>
<b>Annex D (informative) Ishihara Chart (Not to Scale)</b> .....	<b>9</b>
<b>Annex E (informative) Sample Colour Trade Test Exam</b> .....	<b>10</b>
<b>Annex F (informative) Corresponding Reading Acuity Notations for Test Distances of 40 cm (16 inches) and 32 cm (12.5 inches)</b> .....	<b>13</b>
<b>Annex G (informative) Grey Scale Perception Testing</b> .....	<b>14</b>
<b>Annex H (informative) Low Contrast Visual Acuity</b> .....	<b>15</b>
<b>Annex I (informative) Verification of Trained Professional</b> .....	<b>16</b>
<b>Bibliography</b> .....	<b>18</b>