STN	Údržba. Kvalifikácia pracovníkov údržby.	STN EN 15628
		95 0105

Maintenance - Qualification of maintenance personnel

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/15

Obsahuje: EN 15628:2014

Oznámením tejto normy sa ruší TNI CEN/TR 15628 (95 0105) zo septembra 2008

#### 119965

STN EN 15628: 2015

# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 15628

August 2014

ICS 03.080.10; 03.100.30

Supersedes CEN/TR 15628:2007

#### **English Version**

# Maintenance - Qualification of maintenance personnel

Maintenance - Qualification du personnel de la maintenance

Instandhaltung - Qualifikation des Instandhaltungspersonals

This European Standard was approved by CEN on 18 July 2014.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents		Page
Forev	vord	3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	
_		
4 4.1	Competences Competences of a Maintenance Technician Specialist	
4.2	Competences of a Maintenance Supervisor and Maintenance Engineer	
4.3	Competences of a Maintenance Manager	
5	Required minimum skills and essential knowledge (profile)	8
5.1	Required minimum skills and essential knowledge for a Maintenance Technician	•
5.2	SpecialistRequired minimum skills and essential knowledge for a Maintenance	8
<b>U.</b> _	Supervisor/Engineer	12
5.3	Required minimum skills and essential knowledge for a Maintenance Manager	
6	Essential requirements and experience	24
6.1	Maintenance Technician Specialist	
6.2	Maintenance Supervisor and/or a Maintenance Engineer	
6.3	Maintenance Manager	
	x A (informative) Example of a Maintenance Technician Specialist tasks	
A.1	Economics	
A.2 A.3	Customers Processes	
A.4	Staff	
A.5	External partners	
Δnne	x B (informative) Example of a Maintenance Supervisor/Engineer tasks	27
B.1	Economics	
B.2	Customers	27
B.3	Processes	
B.4	Staff	
B.5	External partners	
	x C (informative) Example of a Maintenance Manager tasks	30
C.1	Economics	
C.2	Customers	
C.3 C.4	ProcessesStaff	
C.4 C.5	External partners	
	·	
Riblic	ography	32

#### **Foreword**

This document (EN 15628:2014) has been prepared by Technical Committee CEN/TC 319 "Maintenance", the secretariat of which is held by UNI.

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 February 2015, and conflicting national standards shall be withdrawn at the latest by February 2015.

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

This document supersedes CEN/TR 15628:2007.

This document includes the following significant technical changes with respect to CEN/TR 15628:2007:

- substantial improvement;
- revision of the structure to orient the document to the tasks rather than to the knowledge;
- full consideration of the recommendation included in the European Qualification Framework (Recommendation of the European Parliament and of the Council of 23 April 2008 on the establishment of the European Qualifications Framework for lifelong learning) [4].

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## Introduction

Due to the growing extent and the increasing complexity of maintenance in the European industry, very diverse occupational profiles have evolved for maintenance personnel in the different member states. This European Standard specifies requirements such as competences, essential knowledge as well as basic and target qualifications. These requirements are recommended to obtain a specific qualification and to ensure highly qualified professional personnel at the different functions and/or positions in maintenance.

### 1 Scope

This European Standard specifies the qualification of the personnel with regard to the tasks to be performed in the context of the maintenance of plant, infrastructure and production systems.

In this European Standard, maintenance of plants and buildings is included in terms of technical aspects of services.

This European Standard guides to define the knowledge, skills and competencies required for the qualification of maintenance personnel.

This European Standard covers the following professional persons in the maintenance organization:

- Maintenance Technician Specialist;
- Maintenance Supervisor and Maintenance Engineer;
- Maintenance Manager (Responsible of Maintenance Function or Service).

This European Standard does not specify the verification criteria nor the specialized training of the personnel, which is related to the specific commodity sector.

NOTE Specialization and profession are the subject of the training carried out in the relevant sector.

#### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13306:2010, Maintenance — Maintenance terminology

EN ISO 9000:2005, Quality management systems — Fundamentals and vocabulary (ISO 9000:2005)

EN ISO 14001:2004, Environmental management systems — Requirements with guidance for use (ISO 14001:2004)

IEC 60050-191:1990<sup>1)</sup>, International Electrotechnical Vocabulary — Chapter 191: Dependability and quality of service

# koniec náhľadu – text ďalej pokračuje v platenej verzii STN

<sup>1)</sup> IEC 60050-191:1990 is impacted by the stand-alone amendments IEC 60050-191:1990-am1:1999 and IEC 60050-191:1990-am1:2002.