

Maintenance - Maintenance terminology

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Maintenance - Maintenance terminology

Maintenance - Terminologie de la maintenance

Instandhaltung - Begriffe der Instandhaltung

This European Standard was approved by CEN on 9 July 2010.

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Foreword

This document (EN 13306:2010) 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of an identical text or by endorsement, at the latest by February 2011, and conflicting national standards shall be withdrawn at the latest by February 2011.

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Introduction

The purpose of this European Standard is to define the generic terms used for all types of maintenance and maintenance management irrespective of the type of item considered. Maintenance of software only is not covered in this standard. However, maintenance of items and systems containing software is considered.

It is the responsibility of any maintenance management to define its maintenance strategy according to the following main objectives:

- to ensure the availability of the item to function as required, at optimum costs;
- to consider the safety and any other mandatory requirements associated with the item;
- to consider any impact on the environment;
- to uphold the durability of the item and/or the quality of the product or service provided considering costs where necessary.

As a part of the requirement of CEN/TC 319 it was necessary to produce a comprehensive structured generic maintenance vocabulary standard containing the main terms and their definitions.

Maintenance provides an essential contribution to the dependability of an item. Correct and formal definitions are required which will give the user of associated maintenance standards a fuller understanding of the maintenance terms used. These terms may be of particular importance in the formulation of maintenance contracts.

The terms contained in this standard indicate that maintenance is not confined to the technical actions alone but includes other activities such as planning, documentation handling, etc.

The standard IEC 60050-191 has been used as a basis for the preparation of this standard but some terms have been modified. Not all terms specified in IEC 60050-191 are included in this European Standard. Readers are referred to this IEC standard for further definitions.

1 Scope

This European Standard specifies generic terms and definitions for the technical, administrative and managerial areas of maintenance. It may not be applicable to terms which are used for the maintenance of software only.

2 Fundamental terms

2.1

maintenance

combination of all technical, administrative and managerial actions during the life cycle of an item intended to retain it in, or restore it to, a state in which it can perform the required function

NOTE See also the definitions of improvement and modification.

2.2

maintenance management

all activities of the management that determine the maintenance objectives, strategies and responsibilities, and implementation of them by such means as maintenance planning, maintenance control, and the improvement of maintenance activities and economics

2.3

maintenance objective

target assigned and accepted for the maintenance activities

NOTE These targets may include for example availability, cost reduction, product quality, environment preservation, safety, asset value preservation.

2.4

maintenance strategy

management method used in order to achieve the maintenance objectives

NOTE Examples could be outsourcing of maintenance, allocation of resources, etc.

2.5

maintenance plan

structured and documented set of tasks that include the activities, procedures, resources and the time scale required to carry out maintenance

2.6

required function

function, combination of functions, or a total combination of functions of an item which are considered necessary to provide a given service

NOTE 1 To provide a given service may also include asset value preservation.

NOTE 2 The given service may be expressed or implied and may in some cases be below the original design specifications.

2.7

dependability

ability to perform as and when required

NOTE 1 Dependability characteristics include availability and its influencing factors (reliability, recoverability, maintainability, maintenance support performance) and, in some cases, durability, economics, integrity, safety, security and conditions of use.