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Performance and condition assessment for buildings and civil engineering works - Framework for assessment within physical asset management

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

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Performance and condition assessment for buildings and civil engineering works - Framework for assessment within physical asset management

Évaluation de la performance et de l'état des bâtiments et des ouvrages de génie civil - Cadre de l'évaluation dans le cadre de la gestion d'actifs physiques Leistungs- und Zustandsbewertung für Immobilien -Bewertungsrahmen für das Anlagenmanagement

This European Standard was approved by CEN on 9 July 2023.

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

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

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European foreword

This document (EN 17840:2023) 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of an identical text or by endorsement, at the latest by March 2024, and conflicting national standards shall be withdrawn at the latest by March 2024.

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.

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Introduction

There are various standards available about monitoring, inspection and assessment of physical assets. All these standards have their own purpose and place in the field of assessment. This document for performance and condition assessment is an umbrella standard for physical assets and refers to other standards for detailed methods.

The scope of this document is buildings and civil engineering works. The intended audience for this document is asset owners (small and large, public and private), asset managers, facility managers, property managers, observers and consultants.

This document consists of two parts:

- the assessment process: The steps that are needed to perform an assessment;
- the observation process: The steps that are needed for acquiring and analysing the asset status data to give recommendations as part of the assessment process.

In both cases, the purpose is to enhance the quality of the assessment and to provide information for the asset owner/manager to support the decision making process.

The document assists asset and facility managers in selecting the appropriate technique and determining the quality of the work that has been done.

1 Scope

This document specifies and gives guidance on the performance and condition assessment process of existing physical assets in the utilization stage (from commissioning to the end of life).

This document relates to assessment of physical assets within the building and civil engineering sector; however, it can also be used in other sectors where applicable.

This document specifies a generic framework for assessment, specification of requirements, the observation process and gathering of the required information in order to sustain informed asset management decision making.

This document is an umbrella standard and refers to other standards for detailed methods. It does not replace any other standard, but is an addition to provide a system for the assessment work.

NOTE 1 The references to other standards only relate to building and civil engineering works. There are no references for production machinery and equipment, offshore, electrical and mechanical assets, mobile assets and non-tangible assets.

2 Normative references

There are no normative references in this document.

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