

**KVALITEEDIJUHTIMISSÜSTEEMID**  
**Juhised kvaliteedijuhtimiseks projektides**

**Quality management systems**  
**Guidelines for quality management in projects**  
**(ISO 10006:2017, identical)**

**EESTI STANDARDI EESSÕNA****NATIONAL FOREWORD**

See Eesti standard EVS-ISO 10006:2018 „Kvaliteedijuhtimissüsteemid. Juhised kvaliteedijuhtimiseks projektides“ sisaldab rahvusvahelise standardi ISO 10006:2017 „Quality management systems – Guidelines for quality management in projects“ identset ingliskeelset teksti.	This Estonian Standard EVS-ISO 10006:2018 consists of the identical English text of the International Standard ISO 10006:2017 „Quality management systems – Guidelines for quality management in projects“.
Ettepaneku rahvusvahelise standardi ümbertrüki meetodil ülevõtuks on esitanud EVS/TK 33, standardi avaldamist on korraldanud Eesti Standardikeskus.	Proposal to adopt the International Standard by reprint method has been presented by EVS/TK 33, the Estonian Standard has been published by the Estonian Centre for Standardisation.
Standard EVS-ISO 10006:2018 on jõustunud sellekohase teate avaldamisega EVS Teataja 2018. aasta detsembrikuu numbris.	Standard EVS-ISO 10006:2018 has been endorsed with a notification published in the December 2018 issue of the official bulletin of the Estonian Centre for Standardisation.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

**Käsitlusala**

ISO 10006:2017 esitab juhiseid kvaliteedijuhtimise rakendamiseks projektides.

See sobib organisatsioonidele, mis töötavad eri keerukusega projektidega, kas väikeste või suurte, lühi- või pikaajaliste, üksikprojektidega või projektidega, mis on programmi või projektiportfelli osa, eri keskkondades ja olenemata toote/teenuse või protsessi liigist, mille eesmärk on rahuldada huvipooli, tutvustades kvaliteedijuhtimist projektides. Seetõttu võib osutuda vajalikuks juhise teatud kohandamine, et see sobiks kindla projektiga.

See dokument ei ole juhend projektijuhtimisele. Selles dokumendis on esitatud kvaliteedijuhtimise projektijuhtimise protsessides. Projektijuhtimise ja seotud protsesside juhiseid käsitleb standard ISO 21500.

ISO 10006:2017 käsitleb nii mõistet „kvaliteedijuhtimine projektides“ kui ka mõistet „kvaliteedijuhtimissüsteemid projektides“. Neid eristatakse eri käsitluste abil järgmiste teemade ja peatükkide/jaotiste kaudu:

- kvaliteedijuhtimine projektides sisaldab kvaliteedijuhtimissüsteeme projektides (peatükk 4); juhtkonna vastutust projektides (peatükk 5); ressursside juhtimist projektides (peatükk 6); toote/teenuse realiseerimist projektides (peatükk 7) ning mõõtmist, analüüsi ja parendamist projektides (peatükk 8);
- kvaliteedijuhtimissüsteemid projektides sisaldavad projekti omadusi (4.1); kvaliteedijuhtimise põhimõtteid projektides (4.2); projekti kvaliteedijuhtimise protsesse (4.3) ja kvaliteediplaani projektile (4.4).

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ICS 03.100.70; 03.120.10

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 176, *Quality management and quality assurance*, Subcommittee SC 2, *Quality systems*.

This third edition cancels and replaces the second edition (ISO 10006:2003), which has been technically revised to align it with ISO 9000:2015, ISO 9001:2015 and ISO 21500:2012.

## Introduction

This document provides guidelines for quality management in projects. It outlines quality management principles and practices, the implementation of which are important to, and have an impact on, the achievement of quality objectives in projects. It is aligned with ISO 9000:2015 and ISO 9001:2015, and supplements the guidance given in ISO 21500:2012.

The guidelines given in this document are intended for a wide audience. They are applicable to projects which can take many forms, from the small to very large, from simple to complex, from being an individual project to being part of a programme or portfolio of projects. They are intended to be used by people who have experience in managing projects and need to ensure that their organization is applying the practices contained in the quality management and quality management system standards from ISO/TC 176, as well as those who have experience in quality management and are required to interact with project organizations in applying their knowledge and experience to the project. Inevitably, some users will find that material presented in the guidelines is unnecessarily detailed for them; however, other users require the detail.

This document employs the process approach, which incorporates the Plan-Do-Check-Act (PDCA) cycle and “risk based thinking”. The two concepts of “quality management in projects” and “quality management systems in projects” are distinguished as follows:

- quality management in projects includes: quality management systems in projects, management responsibility in projects, resource management in projects, product/service realization in projects, and measurement, analysis and improvement in projects;
- quality management systems in projects includes: project characteristics, quality management principles in projects, project quality management processes and a quality plan for the project.

It is recognized that there are two aspects to the application of quality management in projects: the project processes that are managed within the project management system, and the quality of the project's outputs in the form of products and services. Failure to meet either of these dual aspects can have significant effects on the project's products and services, the project's customer and other interested parties, and the project organization.

**NOTE** The expression “products/services” is used as an abbreviation for “products and services” throughout the remainder of this document.

These aspects also emphasize that the achievement of quality objectives is a top management responsibility, requiring a commitment to the achievement of quality objectives to be instilled at all levels within the organizations involved in the project; however, each level needs to retain responsibility for its respective processes and products/services.

The creation and maintenance of process and product/service quality in a project requires a systematic approach. This approach needs to be aimed at ensuring that the stated and implied needs of the customer are understood and met, that other interested parties' needs are understood and evaluated, and that the originating organization's quality policy is taken into account for implementation in the management of the project.

This document is designed to be used in the context of the requirements for quality management systems specified in ISO 9001:2015 and the guidance on project management processes provided in ISO 21500. Project management processes are described in ISO 21500.

The structure of this document reflects its design as a supporting standard providing guidance rather than a management system standard. A matrix is presented in [Annex B](#) to provide a cross reference between this document, ISO 9001:2015 and ISO 21500:2012.

# Quality management — Guidelines for quality management in projects

## 1 Scope

This document gives guidelines for the application of quality management in projects.

It is applicable to organizations working on projects of varying complexity, small or large, of short or long duration, being an individual project to being part of a programme or portfolio of projects, in different environments, and irrespective of the kind of product/service or process involved, with the intention of satisfying project interested parties by introducing quality management in projects. This can necessitate some tailoring of the guidance to suit a particular project.

This document is not a guide to project management itself. Guidance on quality in project management processes is presented in this document. Guidance on project management and related processes is covered in ISO 21500.

This document addresses the concepts of both “quality management in projects” and “quality management systems in projects”. These are distinguished by being addressed separately by the following topics and clauses:

- quality management in projects includes: quality management systems in projects (Clause 4); management responsibility in projects (Clause 5); resource management in projects (Clause 6); product/service realization in projects (Clause 7); and measurement, analysis and improvement in projects (Clause 8);
- quality management systems in projects includes: project characteristics (4.1); quality management principles in projects (4.2); project quality management processes (4.3); and a quality plan for the project (4.4).

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 9000:2015, *Quality management systems — Fundamentals and vocabulary*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 9000 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

### 3.1 activity

identified piece of work that is required to be undertaken to complete a *project* (3.3)

Note 1 to entry: The activity in a project can generally be recognized as the smallest identified entity.