



Technical Report

ISO/IEC TR 33023

Information technology — Process assessment — Application of ISO/ IEC TS 33073 processes to the ISO/IEC 33020 process capability measurement scale

*Technologies de l'information — Évaluation du processus —
Application des processus ISO/IEC TS 33073 à l'échelle de la
mesure de la capacité de processus de l'ISO/IEC 33020*

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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Content of the process capability measurement framework	1
4.1 General.....	1
4.2 Relationships between model elements.....	2
Annex A (informative) Associations between the ISO/IEC 33020 process attribute outcomes, ISO/IEC TS 33073 process outcomes and information items	3
Annex B (informative) Associations between the ISO/IEC 33020 generic practices, ISO/IEC TS 33073 base practices and information item characteristics	22
Annex C (informative) Listing of the information items and their characteristics	40
Annex D (informative) Establishing the traceability between model elements with reference to ISO/IEC/IEEE 24774:2021, Annex B	66
Bibliography	68

Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 7, *Software and systems engineering*.

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Introduction

This document provides a mapping of the ISO/IEC TS 33073 processes to the ISO/IEC 33020 process attributes with the intent of demonstrating support for the levels 1 to 3 of the ISO/IEC 33020 process capability measurement framework.

This document is primarily addressed to developers of process assessment models for the process quality characteristic of process capability. It is also addressed to the lead assessor and other stakeholders, such as the sponsor of the assessment, who need to be assured that the requirements of the ISO/IEC 33020 process measurement framework have been met.

Within this document:

- [Clause 4](#) provides a summary description of the relationship between the ISO/IEC 33020 process attribute outcomes and the ISO/IEC TS 33073 processes.
- [Annex A](#) extends the summary mapping in [Clause 4](#) by providing details of the relationship between the ISO/IEC 33020 process attribute outcomes and the ISO/IEC TS 33073 process outcomes. Links to the information items listed in [Annex C](#) are identified. These details are provided for validating by inspection the relationships between the ISO/IEC 33020 process attribute outcomes and the ISO/IEC TS 33073 process outcomes.
- [Annex B](#) focuses on the relationships between the generic practices associated with ISO/IEC 33020 and the ISO/IEC TS 33073 base practice descriptions. These model elements are linked via the information item characteristics listed in [Annex C](#).
- [Annex C](#) provides a listing of the applicable information items and their characteristics.
- [Annex D](#) provides an overview of the key concerns arising from the application of ISO/IEC/IEEE 24774 when attempting to demonstrate objective relationships between process model elements.

Information technology — Process assessment — Application of ISO/IEC TS 33073 processes to the ISO/IEC 33020 process capability measurement scale

1 Scope

This document provides a specification for associating the processes of ISO/IEC TS 33073 with the process attribute outcomes of ISO/IEC 33020 with the intent of demonstrating support for levels 1 to 3 of the process capability measurement scale defined in ISO/IEC 33020.

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/IEC 33001, *Information technology – Process Assessment – Concepts and vocabulary*