



**International
Standard**

ISO/IEC 33202

**Software and systems
engineering — Core agile practices**

*Ingénierie du logiciel et des systèmes — Pratiques agiles
essentielles*

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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

Many organizations in the software development industry are adopting agile life cycle to adapt to rapidly changing and evolving marketplaces. “Agile” is derived from the Agile Manifesto^[10], which was designed to ‘uncover better ways of developing software by doing it and helping others do it’. It emerged as an alternative to documentation-driven, heavyweight software development processes. The Agile Manifesto^[10] and related values and principles ([Annex C](#)) have served as reference for agile practices across many organizations.

Agile development is relative to how each organization interprets the agile values and principles (See [Annex C](#)). The agile practices discussed in this document offer a lightweight, adaptive and collaborative development approach based on empiricism with the focus on rapid business-value delivery.

Agile standardization refers to adopting agile practices and concepts across an organization or project for software suppliers, software acquirers, software service providers, large delivery and maintenance projects and system integration engagements having software components.

Standardization of agile practices is useful for the following reasons:

- a) for suppliers: it provides a basis for delivering meaningful products and services;
- b) for acquirers: it provides a basis to differentiate between different suppliers and provides guidance on their role in the development.

The purpose of this document is to catalogue the core agile practices (see [Annex A](#)) and concepts demonstrated by organizations or projects. These practices and concepts enable the application of agile in acquisition, supply, development, operation, maintenance and disposal of software systems, products and services.

This document can be used by acquirers, suppliers, developers, integrators, operators, maintainers, managers, quality assurers and users of software systems, products and services, for a range of situations and contexts.

Software and systems engineering — Core agile practices

1 Scope

This document defines a set of core practices and concepts that have wide acceptance in organizations and industries using agile practices and concepts. This document defines a set of core practices that are present in agile methodologies.

The practices and concepts defined in this document are applicable to a single agile team, as well as to multiple agile teams. These practices and concepts are applicable throughout the life cycle of software systems, products and services.

2 Normative references

There are no normative references in this document.