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Australian STANDARD®

Software, systems and enterprise — Architecture evaluation framework

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Australian Computer Society
Australian Digital Health Agency
Australian Society for Technical Communication (NSW)
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Griffith University
IT Service Management Forum Australia
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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee IT-015, Software and Systems Engineering.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify the means to organize and record architecture evaluations for enterprise, systems and software fields of application.

The aim of this document is to enable architecture evaluations that are used to:

(a) validate that architectures address the concerns of stakeholders;

(b) assess the quality of architectures with respect to their intended purpose;

(c) assess the value of architectures to their stakeholders;

(d) determine whether architecture entities address their intended purpose;

(e) provide knowledge and information about architecture entities;

(f) assess progress towards achieving architecture objectives;

(g) clarify understanding of problem space and of stakeholder needs and expectations;

(h) identify risks and opportunities associated with architectures; and

(i) support decision making where architectures are involved.

NOTE This document addresses the evaluation of an architecture and not an evaluation of the architecture description's suitability. Matters concerning the evaluation of the architecture description fall within the scope of the architecture conceptualization and architecture elaboration processes as defined in AS ISO/IEC/IEEE 42020. However, it is sometimes the case that the architecture description is evaluated concurrently with the evaluation of the architecture itself.

This Standard is identical with, and has been reproduced from, ISO/IEC IEEE 42030:2019, *Software, systems and enterprise — Architecture evaluation framework.*

As this document has been reproduced from an International Standard, a full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms "normative" and "informative" are used in Standards to define the application of the appendices or annexes to which they apply. A "normative" appendix or annex is an integral part of a Standard, whereas an "informative" appendix or annex is only for information and guidance.

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