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Systems and software engineering — Software life cycle processes

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    Australian Digital Health Agency
    Australian Society for Technical Communication
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Systems and software engineering — Software life cycle processes

Originated as AS/NZS ISO/IEC 12207:1997.
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Preface

This Standard was prepared by the Australian members of Joint Standards Australia/Standards New Zealand Committee IT-015, Systems and Software Engineering, to supersede AS/NZS ISO/IEC 12207:2013.

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 establish a common framework for software life cycle processes, with well-defined terminology, that can be referenced by the software industry. It contains processes, activities, and tasks that are applicable during the acquisition, supply, development, operation, maintenance or disposal of software systems, products, and services. These life cycle processes are accomplished through the involvement of stakeholders, with the ultimate goal of achieving customer satisfaction.

This document applies to the acquisition, supply, development, operation, maintenance, and disposal (whether performed internally or externally to an organization) of software systems, products and services, and the software portion of any system, Software includes the software portion of firmware. Those aspects of system definition needed to provide the context for software products and services are included.

This document also provides a set of processes to facilitate communication among acquirers, suppliers and other stakeholders in the life cycle of a software system. It also provides processes that can be employed for defining, controlling, and improving software life cycle processes within an organization or a project.

The processes, activities, and tasks of this document can also be applied during the acquisition or supply of a system that contains software, either alone or in conjunction with AS/NZS ISO/IEC/ IEEE 15288:2015, *Systems and software engineering — System life cycle processes*.

This Standard is identical with, and has been reproduced from, ISO/IEC/IEEE 12207:2017, *Systems and software engineering — Software life cycle processes*.

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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