
This definition is copyrighted ©, 2021 by the IEEE.
The reader is granted permission to copy the definition as long as the statement
"Copyright ©, 2021, IEEE. Used by permission." remains with the definition.
All other rights are reserved.

Copyright © 2021 ISO/IEC.
In accordance with ISO/IEC JTC 1/SC 7 N2882 and N2930, this definition is made publicly available.
Permission is granted to copy the definition providing that its source is cited.


PMI is a service and trademark of the Project Management Institute, Inc. which is registered in the United States and other nations.
IEEE 1175.4-2008 IEEE Standard for CASE Tool Interconnections - Reference Model for Specifying System Behavior
   Author: IEEE (07-13-2015)

   Author: IEEE (10-25-2008)

   Author: IEEE (01-09-2006)

   Author: IEEE (01-09-2006)

   Author: IEEE (10-18-2006)

IEEE 1517-2010 IEEE Standard for Information Technology--System and software life cycle processes--Reuse processes
   Author: IEEE (05-13-2011)

   Author: IEEE (03-24-2020)

   Author: IEEE (03-24-2020)

IEEE 2430-2019 Trial-Use Standard for Software Non-Functional Sizing Measurements
   Author: IEEE (03-24-2020)


This definition is copyrighted ©, 2021 by the IEEE.
The reader is granted permission to copy the definition as long as the statement
"Copyright©, 2021, IEEE. Used by permission." remains with the definition.
All other rights are reserved.

Copyright © 2021 ISO/IEC.
In accordance with ISO/IEC JTC 1/SC 7 N2882 and N2930, this definition is made publicly available.
Permission is granted to copy the definition providing that its source is cited.


PMI is a service and trademark of the Project Management Institute, Inc. which is registered in the United States and other nations.
Application Build, Package, and Deployment
  Author: IEEE (03-31-2021)

  Author: IEEE (07-28-2022)

IEEE 7002:2022, IEEE Standard for Data Privacy Process
  Author: IEEE (07-28-2022)

IEEE 7005 2021, IEEE Standard for Transparent Employer Data Governance
  Author: IEEE (07-31-2022)

IEEE 7010-2020, IEEE Recommended Practice for Assessing the Impact of Autonomous and Intelligent Systems on Human Well-Being
  Author: IEEE (02-07-2021)

  Author: IEEE (11-11-2014)

  Author: IEEE (08-02-2012)

  Author: IEEE (02-28-2008)

  Author: INCOSE (02-29-2024)

ISO 5806:1984 Information processing -- Specification of single-hit decision tables
  Author: ISO JTC 1/SC7 (01-09-2006)

ISO 5807:1985 Information processing -- Documentation symbols and conventions for data, program and system flowcharts, program network charts and system resources charts

---


This definition is copyrighted ©, 2021 by the IEEE. The reader is granted permission to copy the definition as long as the statement “Copyright ©, 2021, IEEE. Used by permission.” remains with the definition. All other rights are reserved.

Copyright © 2021 ISO/IEC.
In accordance with ISO/IEC JTC 1/SC 7 N2882 and N2930, this definition is made publicly available. Permission is granted to copy the definition providing that its source is cited.


PMI is a service and trademark of the Project Management Institute, Inc. which is registered in the United States and other nations.
ISO/IEC 10746-1:1998 Information technology -- Open Distributed Processing -- Reference model: Overview
   Author: ISO JTC 1/SC7 (01-09-2006)

   Author: ISO JTC 1/SC7 (08-21-2011)

   Author: ISO JTC 1/SC7 (09-18-2011)

ISO/IEC 11411:1995 Information technology -- Representation for human communication of state transition of software
   Author: ISO JTC 1/SC7 (01-09-2006)

   Author: ISO JTC 1/SC7 (01-09-2006)

   Author: ISO JTC 1/SC7 (01-09-2006)

ISO/IEC 14102:2008 Information Technology - Guideline for the evaluation and selection of CASE tools
   Author: ISO JTC 1/SC7 (10-12-2009)

ISO/IEC 14143-1:2007 Information technology--Software measurement--Functional size measurement; Part 1: Definition of concepts
   Author: ISO JTC 1/SC7 (01-27-2008)
Function

Author: ISO JTC 1/SC7 (01-09-2006)


Author: ISO JTC 1/SC7 (03-23-2016)

ISO/IEC 15414:2015 Information technology -- Open distributed processing -- Reference model -- Enterprise language

Author: ISO JTC 1/SC7 (06-22-2015)

ISO/IEC 15474-1:2002 Information technology -- CDIF framework -- Part 1: Overview

Author: ISO JTC 1/SC7 (01-09-2006)


Author: ISO JTC 1/SC7 (01-09-2006)

ISO/IEC 15475-2:2002 Information technology -- CDIF transfer format -- Part 2: Syntax SYNTAX.1

Author: ISO JTC 1/SC7 (01-09-2006)

ISO/IEC 15475-3:2002 Information technology -- CDIF transfer format -- Part 3: Encoding ENCODING.1

Author: ISO JTC 1/SC7 (01-09-2006)

ISO/IEC 15476-4:2005 Information technology--CDIF semantic metamodel--Part 4: Data models

Author: ISO JTC 1/SC7 (02-26-2008)


Author: ISO/IEC JTC 1 (03-26-2020)

Author: ISO JTC 1/SC7 (08-01-2022)

ISO/IEC 15940:2013 Systems and software engineering--Software Engineering Environment Services
Author: ISO JTC 1/SC7 (02-09-2014)

ISO/IEC 16350-2015 Information technology--Systems and software engineering--Application management
Author: IEEE (10-04-2015)

ISO/IEC 16558:2017 Software and systems engineering -- Methods and tools for variability modelling in software and systems product line
Author: ISO/IEC JTC 1 (02-19-2018)

Author: ISO JTC 1/SC7 (10-21-2012)

Author: ISO JTC 1/SC7 (10-18-2016)

Author: ISO JTC 1/SC7 (10-22-2012)

Author: ISO JTC 1/SC7 (02-14-2013)
   Author: ISO JTC 1/SC7 (02-16-2013)

ISO/IEC 19770-1:2017 Information technology -- IT asset management -- Part 1: IT asset management systems--Requirements  
   Author: ISO JTC 1/SC7 (02-19-2018)

   Author: ISO JTC 1/SC7 (02-19-2018)

   Author: ISO JTC 1/SC7 (03-24-2020)

ISO/IEC 19770-4:2017 Information technology -- IT asset management -- Part 4: Resource utilization measurement  
   Author: ISO/IEC JTC 1 (02-19-2018)

ISO/IEC 19770-5:2015 Information technology--IT asset management--Overview and vocabulary  
   Author: ISO JTC 1/SC7 (02-19-2018)

ISO/IEC 19770-8:2020, Information technology IT asset management Part 8: Guidelines for mapping of industry practices to/from the ISO/IEC 19770 family of standards  
   Author: ISO/IEC JTC 1 (03-10-2021)

ISO/IEC 19793:2015 Information technology -- Open Distributed Processing -- Use of UML for ODP system specifications  
   Author: IEEE (06-23-2015)

ISO/IEC 20246:2017 Software and systems engineering -- Work product reviews  
   Author: ISO/IEC JTC 1 (02-19-2018)

Requirements and Evaluation (SQuaRE) -- Guide to SQuaRE
Author: ISO JTC 1/SC7 (03-31-2014)

ISO/IEC 25001:2014 Systems and software engineering--Systems and software product Quality
Requirements and Evaluation (SQuaRE)--Planning and management
Author: ISO JTC 1/SC7 (03-31-2014)

ISO/IEC 25010:2011 Systems and software engineering--Systems and software Quality
Requirements and Evaluation (SQuaRE)--System and software quality models
Author: ISO JTC 1/SC7 (12-27-2011)

ISO/IEC 25010:2023, Systems and software engineering--Systems and software Quality
Requirements and Evaluation (SQuaRE)--Product quality model
Author: ISO/IEC JTC 1 (08-18-2024)

ISO/IEC 25020:2019 Systems and software engineering--Systems and software product Quality
Requirements and Evaluation (SQuaRE)--Quality measurement framework
Author: ISO JTC 1/SC7 (03-19-2020)

(SQuaRE)--Quality measure elements
Author: ISO JTC 1/SC7 (02-16-2013)

ISO/IEC 25022:2016, Systems and software engineering -- Systems and software quality
requirements and evaluation (SQuaRE) -- Measurement of quality in use
Author: ISO/IEC JTC 1 (02-19-2018)

ISO/IEC 25023:2016, Systems and software engineering--Systems and software Quality
Requirements and Evaluation (SQuaRE)--Measurement of system and software product quality
Author: ISO JTC 1/SC7 (06-21-2016)

ISO/IEC 25024:2015 Systems and software engineering - Systems and software Quality
Requirements and Evaluation (SQuaRE) - Measurement of data


This definition is copyrighted ©, 2021 by the IEEE.
The reader is granted permission to copy the definition as long as the statement
"Copyright ©, 2021, IEEE. Used by permission." remains with the definition.
All other rights are reserved.

Copyright © 2021 ISO/IEC.
In accordance with ISO/IEC JTC 1/SC 7 N2882 and N2930, this definition is made publicly available.
Permission is granted to copy the definition providing that its source is cited.


PMI is a service and trademark of the Project Management Institute, Inc. which is registered in the United States and other nations.
ISO/IEC 25030:2019 Systems and software engineering--Systems and software quality requirements and evaluation (SQuaRE)--Quality requirements framework
   Author: ISO/IEC JTC 1 (03-24-2020)

   Author: ISO JTC 1/SC7 (12-28-2011)

ISO/IEC 25041: 2012 Systems and software engineering--Systems and software Quality Requirements and Evaluation (SQuaRE)--Evaluation guide for developers, acquirers and independent evaluators
   Author: ISO JTC 1/SC7 (02-16-2013)

ISO/IEC 25045:2010 Systems and software engineering--Systems and software Quality Requirements and Evaluation (SQuaRE)--Evaluation module for recoverability
   Author: ISO JTC 1/SC7 (12-28-2011)

ISO/IEC 25051:2014 Software engineering -- Software product Quality Requirements and Evaluation (SQuaRE) -- Requirements for quality of Ready to Use Software Product (RUSP) and instructions for testing
   Author: ISO JTC 1/SC7 (03-05-2017)

ISO/IEC 25059:2023, Software engineering Systems and software Quality Requirements and Evaluation (SQuaRE) Quality model for AI systems
   Author: ISO/IEC JTC 1 (08-31-2023)

ISO/IEC 25062:2006 Software engineering -- Software product Quality Requirements and Evaluation (SQuaRE) -- Common Industry Format (CIF) for usability test reports
   Author: ISO JTC 1/SC7 (10-29-2006)

Requirements and Evaluation (SQuaRE) Common Industry Format (CIF) for usability: Context of use description
Author: ISO JTC 1/SC7 (10-29-2014)

Author: ISO JTC 1/SC7 (02-09-2014)

Author: ISO JTC 1/SC7 (06-21-2016)

ISO/IEC 26442:2019, Software and systems engineering--Tools and methods for product line architecture design
Author: ISO/IEC JTC 1 (03-20-2020)

ISO/IEC 26550:2015 Software and systems engineering--Reference model for product line engineering and management
Author: ISO JTC 1/SC7 (03-15-2016)

ISO/IEC 26551:2016 Software and systems engineering --Tools and methods for product line requirements engineering
Author: ISO JTC 1/SC7 (05-03-2016)

ISO/IEC 26552:2019 Software and systems engineering--Tools and methods for product line architecture design
Author: ISO/IEC JTC 1 (03-24-2020)

Author: ISO/IEC JTC 1 (03-22-2019)
ISO/IEC 26554:2018 Information technology--Software and systems engineering-Tools and methods for product line testing
   Author: ISO JTC 1/SC7 (04-01-2019)

   Author: ISO JTC 1/SC7 (03-15-2016)

   Author: ISO JTC 1/SC7 (04-02-2019)

ISO/IEC 26557:2016 Software and systems engineering -- Methods and tools for variability mechanisms in software and systems product line
   Author: ISO JTC 1/SC7 (02-19-2018)

ISO/IEC 26558:2017 Software and systems engineering -- Methods and tools for variability modelling in software and systems product line
   Author: ISO/IEC JTC 1 (02-19-2018)

ISO/IEC 26559:2017 Software and systems engineering -- Methods and tools for variability traceability in software and systems product line
   Author: ISO JTC 1/SC7 (02-19-2018)

   Author: ISO/IEC JTC 1 (03-24-2020)

ISO/IEC 26561:2019 Software systems engineering--Methods and tools for product line technical probe
   Author: ISO JTC 1/SC7 (03-26-2020)

ISO/IEC 26562:2019 Software and systems engineering--Methods and tools for product line transition management


This definition is copyrighted ©, 2021 by the IEEE. The reader is granted permission to copy the definition as long as the statement “Copyright©, 2021, IEEE. Used by permission.” remains with the definition. All other rights are reserved.

Copyright © 2021 ISO/IEC.
In accordance with ISO/IEC JTC 1/SC 7 N2882 and N2930, this definition is made publicly available. Permission is granted to copy the definition providing that its source is cited.


PMI is a service and trademark of the Project Management Institute, Inc. which is registered in the United States and other nations.
ISO/IEC 2654:2022, Software and systems engineering Methods and tools for product line measurement
    Author: ISO/IEC JTC 1 (08-31-2023)

ISO/IEC 26580:2021, Software and systems engineering Methods and tools for the feature-based approach to software and systems product line engineering
    Author: ISO/IEC JTC 1 (04-07-2022)

    Author: ISO JTC 1/SC7 (03-24-2020)

ISO/IEC 29110-3-2:2018 Systems and software engineering-Lifecycle Profiles for Very Small Entities (VSEs)-Part 3-2: Conformity certification scheme
    Author: ISO JTC 1/SC7 (04-02-2019)

ISO/IEC 29110-3-3:2016 Systems and software engineering -- Lifecycle profiles for Very Small Enterprises (VSEs)--Part 3-3: Certification requirements for conformity assessments of VSE profiles using process assessment and maturity models
    Author: ISO/IEC JTC 1 (02-19-2018)

ISO/IEC 29110-4-2:2021, Systems and software engineering--Lifecycle profiles for Very Small Entities (VSEs)--Part 4-2: Software engineering: Profile specifications: Organizational management profile group
    Author: ISO/IEC JTC 1 (03-31-2021)

ISO/IEC 29110-4-3:2018 Systems and software engineering-Lifecycle profiles for very small entities (VSEs)-Part 4-3: Service delivery-Profile specification
    Author: ISO JTC 1/SC7 (04-02-2019)

ISO/IEC 29155-1:2017 Systems and software engineering--Information technology project
performance benchmarking framework--Part 1: Concepts and definitions
Author: ISO JTC 1/SC7 (02-19-2018)

ISO/IEC 29155-2:2013 Systems and software engineering--Information technology project performance benchmarking framework--Part 2: Requirements for benchmarking
Author: ISO JTC 1/SC7 (03-24-2020)

Author: ISO/IEC/IEEE (03-24-2020)

ISO/IEC 29881:2010 Information technology--Software and systems engineering--FiSMA 1.1 functional size measurement method
Author: ISO JTC 1/SC7 (01-04-2012)

Author: ISO JTC 1/SC7 (09-23-2015)

ISO/IEC 30130:2016 Software engineering --Capabilities of software testing tools
Author: ISO/IEC/IEEE (03-24-2020)

Author: ISO JTC 1/SC7 (03-05-2015)

ISO/IEC 33003:2015 Information technology--Process assessment--Requirements for process measurement frameworks
Author: ISO JTC 1/SC7 (03-08-2015)

Author: ISO JTC 1/SC7 (03-20-2020)

ISO/IEC 38500:2008 Corporate governance of information technology


This definition is copyrighted ©, 2021 by the IEEE.
The reader is granted permission to copy the definition as long as the statement “Copyright ©, 2021, IEEE. Used by permission.” remains with the definition.
All other rights are reserved.

Copyright © 2021 ISO/IEC.
In accordance with ISO/IEC JTC 1/SC 7 N2882 and N2930, this definition is made publicly available.
Permission is granted to copy the definition providing that its source is cited.


PMI is a service and trademark of the Project Management Institute, Inc. which is registered in the United States and other nations.
IEEE Computer Society

Author: IEEE (03-24-2020)

ISO/IEC TR 24587:2021, Software and systems engineering--Agile development--Agile adoption considerations
Author: ISO JTC 1/SC7 (08-01-2022)

ISO/IEC TR 24766:2009 Information technology--Systems and software engineering--Guide for requirements engineering tool capabilities
Author: ISO JTC 1/SC7 (12-29-2011)

ISO/IEC TR 25060:2010 Systems and software engineering--Systems and software product Quality Requirements and Evaluation (SQuaRE)--Common Industry Format (CIF) for usability: General framework for usability-related information
Author: ISO JTC 1/SC7 (12-29-2011)

ISO/IEC TR 29110-1:2016 Software engineering--Lifecycle profiles for Very Small Entities (VSEs)--Part 1: Overview
Author: ISO JTC 1/SC7 (06-21-2016)

Author: ISO JTC 1/SC7 (06-21-2016)

ISO/IEC TR 29110-3-1:2015 Systems and software engineering--Lifecycle profiles for Very Small Entities (VSEs)--Part 3-1: Assessment Guide
Author: ISO JTC 1/SC7 (10-30-2015)

ISO/IEC TR 29110-3-4:2015 Systems and software engineering--Lifecycle profiles for Very Small Entities (VSEs)--Part 3-4: Autonomy-based improvement method
Author: ISO JTC 1/SC7 (10-30-2015)


PMI is a service and trademark of the Project Management Institute, Inc. which is registered in the United States and other nations.
Entities (VSEs) -- Part 5-1-3: Software engineering -- Management and engineering guide: Generic profile group -- Intermediate profile
   Author: ISO/IEC JTC 1 (02-21-2018)

   Author: ISO/IEC JTC 1 (03-24-2020)

ISO/IEC TR 29110-5-3:2018 Systems and software engineering--Lifecycle profiles for Very Small Entities (VSEs)--Part 5-3: Service delivery guidelines
   Author: ISO/IEC JTC 1 (02-21-2018)

   Author: ISO JTC 1/SC7 (10-29-2014)

   Author: ISO/IEC JTC 1 (03-24-2020)

   Author: ISO/IEC JTC 1 (03-28-2021)

   Author: ISO/IEC JTC 1 (02-28-2024)

  Author: ISO JTC 1/SC7 (02-18-2014)

  Author: ISO/IEC JTC 1 (03-24-2020)

ISO/IEC TR 7052:2023, Software engineering--Controlling frequently occurring risks during development and maintenance of custom software
  Author: ISO/IEC JTC 1 (08-18-2024)

  Author: ISO JTC 1/SC7 (12-29-2011)

  Author: ISO/IEC JTC 1 (02-22-2018)

ISO/IEC TS 25011:2017 Information technology--Systems and software Quality Requirements and Evaluation (SQuaRE)--Service quality models
  Author: ISO/IEC JTC 1 (02-21-2018)

ISO/IEC TS 25025:2021, Information technology--Systems and software Quality Requirements and Evaluation (SQuaRE)--Measurement of IT service quality
  Author: ISO/IEC JTC 1 (03-31-2021)

  Author: ISO/IEC JTC 1 (08-01-2022)


This definition is copyrighted ©, 2021 by the IEEE.
The reader is granted permission to copy the definition as long as the statement
"Copyright ©, 2021, IEEE. Used by permission." remains with the definition.
All other rights are reserved.

Copyright © 2021 ISO/IEC.
In accordance with ISO/IEC JTC 1/SC 7 N2882 and N2930, this definition is made publicly available.
Permission is granted to copy the definition providing that its source is cited.


PMI is a service and trademark of the Project Management Institute, Inc. which is registered in the United States and other nations.
Author: ISO/IEC/IEEE (07-27-2022)

Part 1: Concepts and vocabulary
Author: ISO/IEC/IEEE (04-03-2019)

Part 2: Assurance case
Author: ISO/IEC/IEEE (08-29-2023)

Part 4: Assurance in the life cycle
Author: ISO/IEC/IEEE (04-07-2022)

Author: ISO/IEC/IEEE (08-28-2023)

ISO/IEC/IEEE 15289:2019 Systems and software engineering--Content of life-cycle information items (documentation)
Author: ISO/IEC/IEEE (03-19-2020)

Author: ISO JTC 1/SC7 (08-31-2017)

Author: ISO/IEC JTC 1 (03-30-2021)

Author: ISO/IEC/IEEE (03-21-2020)


This definition is copyrighted ©, 2021 by the IEEE. The reader is granted permission to copy the definition as long as the statement “Copyright©, 2021, IEEE. Used by permission.” remains with the definition. All other rights are reserved.

Copyright © 2021 ISO/IEC.
In accordance with ISO/IEC JTC 1/SC 7 N2882 and N2930, this definition is made publicly available. Permission is granted to copy the definition providing that its source is cited.


PMI is a service and trademark of the Project Management Institute, Inc. which is registered in the United States and other nations.
considerations in life cycle stages of a system
Author: ISO/IEC JTC 1 (03-24-2020)

ISO/IEC/IEEE 21840:2019 Systems and software engineering--Guidelines for the utilization of
ISO/IEC/IEEE 15288 in the context of system of systems (SoS)
Author: ISO/IEC/IEEE (03-26-2020)

Author: ISO/IEC/IEEE (03-24-2020)

ISO/IEC/IEEE 23026:2023 Systems and software engineering--Engineering and management of
websites for systems, software, and services information
Author: ISO/IEC/IEEE (08-17-2024)

ISO/IEC/IEEE 24748-1:2018 Systems and software engineering--Life cycle management--Part 1:
Guidelines for life cycle management
Author: ISO/IEC/IEEE (04-02-2019)

ISO/IEC/IEEE 24748-4:2016 Systems and software engineering-Life cycle management-Part 4:
Systems engineering planning
Author: ISO/IEC/IEEE (03-24-2020)

ISO/IEC/IEEE 24748-5:2017 Systems and software engineering--Life cycle management--Part 5:
Software development planning
Author: ISO/IEC/IEEE (02-02-2021)

ISO/IEC/IEEE 24748-6:2023 Systems and software engineering  Life cycle management  Part 6:
System and software integration
Author: ISO/IEC/IEEE (08-17-2024)

ISO/IEC/IEEE 24748-9:2023, Systems and software engineering  Life cycle management  Part 9:
Application of system and software life cycle processes in epidemic prevention and control systems
lifecycle, user and service management information for users
Author: ISO/IEC/IEEE (08-29-2023)

Author: ISO/IEC/IEEE (02-14-2014)

Author: ISO/IEC/IEEE (07-31-2022)

Author: ISO/IEC/IEEE (04-07-2022)

Author: ISO/IEC/IEEE (04-28-2022)

Author: ISO/IEC/IEEE (04-28-2022)

Author: ISO/IEC/IEEE (02-20-2018)

ISO/IEC/IEEE 29148:2018 Systems and software engineering-Life cycle processes-Requirements engineering
Author: ISO/IEC/IEEE (04-03-2019)

Author: ISO/IEC/IEEE (12-29-2011)