



Standard Glossary of Terms used in Software Testing

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All terms

acceptance criteria

Version 2

The criteria that a component or system must satisfy in order to be accepted by a user, customer, or other authorized entity.

Reference: ISO 24765

acceptance testing

Version 2

A test level that focuses on determining whether to accept the system.

See also: user acceptance testing

accessibility

Version 2

The degree to which a component or system can be used by people with the widest range of characteristics and capabilities to achieve a specified goal in a specified context of use.

Reference: After ISO 25010

actual result

Version 1

The behavior produced/observed when a component or system is tested.

Synonyms: actual outcome

ad hoc review

Version 2

A review technique performed informally without a structured process.

Reference: After ISO 20246

alpha testing

Version 3

A type of acceptance testing performed in the developer's test environment by roles outside the development organization.

anomaly

Version 1

A condition that deviates from expectation.

Reference: After ISO 24765

audit

Version 2

An independent examination of a work product or process performed by a third party to assess whether it complies with specifications, standards, contractual agreements, or other criteria.

Reference: After ISO 24765

availability

Version 2

The degree to which a component or system is operational and accessible when required for use.

Reference: After ISO 25010

beta testing

Version 3

A type of acceptance testing performed at an external site to the developer's test environment by roles outside the development organization.

black-box test technique

Version 3

A test technique based on an analysis of the specification of a component or system.

Synonyms: black-box test design technique, specification-based test technique

boundary value

Version 2

A minimum or maximum value of an ordered equivalence partition.

See also: boundary value analysis

boundary value analysis

Version 2

A black-box test technique in which test cases are designed based on boundary values.

See also: boundary value

change-related testing

Version 1

A type of testing initiated by modification to a component or system.

checklist-based review	Version 1
A review technique guided by a list of questions or required attributes.	
Reference: ISO 20246	
checklist-based testing	Version 2
An experience-based test technique whereby the experienced tester uses a high-level list of items to be noted, checked, or remembered, or a set of rules or criteria against which a product has to be verified.	
coding standard	Version 1
A standard that describes the characteristics of a design or a design description of data or program components.	
Reference: ISO 24765	
commercial off-the-shelf	Version 2
A type of product developed in an identical format for a large number of customers in the general market.	
Abbreviation: COTS	
Synonyms: off-the-shelf software	
compatibility	Version 1
The degree to which a component or system can exchange information with other components or systems, and/or perform its required functions while sharing the same hardware or software environment.	
Reference: After ISO 25010	
complexity	Version 1
The degree to which the design or code of a component or system is difficult to understand.	
Reference: After ISO 24765	
compliance	Version 2
Adherence of a work product to standards, conventions or regulations in laws and similar prescriptions.	
Reference: IREB Glossary	
component	Version 2
A part of a system that can be tested in isolation.	
Synonyms: module, unit	
component integration testing	Version 2
Testing in which the test items are interfaces and interactions between integrated components.	
Synonyms: module integration testing, unit integration testing	
component testing	Version 3
A test level that focuses on individual hardware or software components.	
Synonyms: module testing, unit testing	
concurrency	Version 1
The simultaneous execution of multiple independent threads by a component or system.	
configuration management	Version 2
A discipline applying technical and administrative direction and surveillance to identify and document the functional and physical characteristics of a configuration item, control changes to those characteristics, record and report change processing and implementation status, and verify that it complies with specified requirements.	
confirmation testing	Version 3
A type of change-related testing performed after fixing a defect to confirm that a failure caused by that defect does not reoccur.	
Synonyms: re-testing	
continuous integration	Version 1
An automated software development procedure that merges, integrates and tests all changes as soon as they are committed.	
contractual acceptance testing	Version 2
A type of acceptance testing performed to verify whether a system satisfies its contractual requirements.	

control flow	Version 3
The sequence in which operations are performed by a business process, component or system.	
Reference: After ISO 29119-4	
cost of quality	Version 1
The total costs incurred on quality activities and issues and often split into prevention costs, appraisal costs, internal failure costs and external failure costs.	
coverage	Version 2
The degree to which specified coverage items have been determined or have been exercised by a test suite expressed as a percentage.	
Synonyms: test coverage	
coverage criteria	Version 1
The criteria to define the coverage items required to reach a test objective.	
See also: coverage item	
coverage item	Version 2
An attribute or combination of attributes derived from one or more test conditions by using a test technique.	
See also: coverage criteria	
data-driven testing	Version 2
A scripting technique that uses data files to contain the test data and expected results needed to execute the test scripts.	
See also: keyword-driven testing	
debugging	Version 2
The process of finding, analyzing and removing the causes of failures in a component or system.	
decision coverage	Version 2
The coverage of decision outcomes.	
decision table testing	Version 3
A black-box test technique in which test cases are designed to exercise the combinations of conditions and the resulting actions shown in a decision table.	
decision testing	Version 2
A white-box test technique in which test cases are designed to execute decision outcomes.	
defect	Version 2
An imperfection or deficiency in a work product where it does not meet its requirements or specifications.	
Reference: After ISO 24765	
Synonyms: bug, fault	
defect density	Version 2
The number of defects per unit size of a work product.	
Reference: After ISO 24765	
Synonyms: fault density	
See also: automation code defect density	
defect management	Version 3
The process of recognizing, recording, classifying, investigating, resolving and disposing of defects.	
defect report	Version 2
Documentation of the occurrence, nature, and status of a defect.	
Synonyms: bug report	
driver	Version 2
A component or tool that temporarily replaces another component and controls or calls a test item in isolation.	
Synonyms: test driver	

dynamic analysis

Version 2

The process of evaluating a component or system based on its behavior during execution.

Reference: After ISO 24765

dynamic testing

Version 2

Testing that involves the execution of the test item.

Reference: After ISO 29119-1

See also: static testing

effectiveness

Version 2

The extent to which correct and complete goals are achieved.

Reference: ISO 9241

See also: efficiency

efficiency

Version 3

The degree to which resources are expended in relation to results achieved.

Reference: IREB Glossary

See also: effectiveness, performance efficiency

entry criteria

Version 2

The set of conditions for officially starting a defined task.

Reference: Gilb and Graham

See also: exit criteria

epic

Version 1

A large user story that cannot be delivered as defined within a single iteration or is large enough that it can be split into smaller user stories.

Reference: Agile Alliance

equivalence partition

Version 3

A subset of the value domain of a variable within a component or system in which all values are expected to be treated the same based on the specification.

Synonyms: equivalence class

equivalence partitioning

Version 2

A black-box test technique in which test cases are designed to exercise equivalence partitions by using one representative member of each partition.

Reference: After ISO 29119-1

Synonyms: partition testing

error

Version 1

A human action that produces an incorrect result.

Reference: ISO 24765

Synonyms: mistake

error guessing

Version 2

A test technique in which tests are derived on the basis of the tester's knowledge of past failures, or general knowledge of failure modes.

Reference: ISO 29119-1

exhaustive testing

Version 1

A test approach in which the test suite comprises all combinations of input values and preconditions.

Synonyms: complete testing

exit criteria

Version 2

The set of conditions for officially completing a defined task.

Reference: After Gilb and Graham

Synonyms: test completion criteria, completion criteria

See also: entry criteria

expected result	Version 2
The observable predicted behavior of a test item under specified conditions based on its test basis.	
Reference: After ISO 29119-1	
Synonyms: predicted outcome, expected outcome	
experience-based test technique	Version 4
A test technique based on the tester's experience, knowledge and intuition.	
Synonyms: experience-based test design technique, experience-based technique	
experience-based testing	Version 1
Testing based on the tester's experience, knowledge and intuition.	
exploratory testing	Version 3
An approach to testing in which the testers dynamically design and execute tests based on their knowledge, exploration of the test item and the results of previous tests. designing and implementation! during run time testing	
Reference: After ISO 29119-1	
See also: test charter	
failed	Version 1
The status of a test result if the actual result does not match the expected result.	
failure	Version 2
An event in which a component or system does not perform a required function within specified limits.	
Reference: After ISO 24765	
failure rate	Version 2
The ratio of the number of failures of a given category to a given unit of measure.	
Reference: ISO 24765	
false-negative result	Version 1
A test result which fails to identify the presence of a defect that is actually present in the test object.	
Synonyms: false-pass result	
false-positive result	Version 1
A test result in which a defect is reported although no such defect actually exists in the test object.	
Synonyms: false-fail result	
finding	Version 1
A result of an evaluation that identifies some important issue, problem, or opportunity.	
formal review	Version 2
A type of review that follows a defined process with a formally documented output.	
Reference: ISO 20246	
functional suitability	Version 2
The degree to which a component or system provides functions that meet stated and implied needs when used under specified conditions.	
Reference: After ISO 25010	
Synonyms: functionality	
See also: interoperability, security	
functional testing	Version 3
Testing performed to evaluate if a component or system satisfies functional requirements.	
Reference: After ISO 24765	
high-level test case	Version 3
A test case with abstract preconditions, input data, expected results, postconditions, and actions (where applicable).	
Synonyms: logical test case, abstract test case	
See also: low-level test case	

impact analysis	Version 2
The identification of all work products affected by a change, including an estimate of the resources needed to accomplish the change.	
Reference: After ISO 24765	
incremental development model	Version 2
A type of software development lifecycle model in which the component or system is developed through a series of increments.	
Reference: After PMBOK	
independence of testing	Version 1
Separation of responsibilities, which encourages the accomplishment of objective testing.	
Reference: After DO-178C	
informal review	Version 3
A type of review that does not follow a defined process and has no formally documented output.	
inspection	Version 2
A type of formal review to identify issues in a work product, which provides measurement to improve the review process and the software development process.	
Reference: After ISO 20246	
integration testing	Version 2
A test level that focuses on interactions between components or systems.	
integrity	Version 1
The degree to which a component or system allows only authorized access and modification to a component, a system or data.	
Reference: After ISO 25010	
interoperability	Version 2
The degree to which two or more components or systems can exchange information and use the information that has been exchanged.	
Reference: After ISO 25010	
See also: functional suitability	
iterative development model	Version 1
A type of software development lifecycle model in which the component or system is developed through a series of repeated cycles.	
keyword-driven testing	Version 2
A scripting technique in which test scripts contain high-level keywords and supporting files that contain low-level scripts that implement those keywords.	
Synonyms: action word-driven testing	
See also: data-driven testing	
load testing	Version 2
A type of performance testing conducted to evaluate the behavior of a component or system under varying loads, usually between anticipated conditions of low, typical, and peak usage.	
Reference: After ISO 29119-1	
low-level test case	Version 3
A test case with concrete values for preconditions, input data, expected results, postconditions, and a detailed description of actions (where applicable).	
Synonyms: concrete test case	
See also: high-level test case	
maintainability	Version 2
The degree to which a component or system can be modified by the intended maintainers.	
Reference: After ISO 25010	
See also: analyzability, modifiability, testability	

maintenance	Version 2
The process of modifying a component or system after delivery to correct defects, improve quality characteristics, or adapt to a changed environment.	
Reference: After ISO 24765	
maintenance testing	Version 1
Testing the changes to an operational system or the impact of a changed environment to an operational system.	
master test plan	Version 2
A test plan that is used to coordinate multiple test levels or test types.	
See also: test plan	
maturity	Version 2
(1) The capability of an organization with respect to the effectiveness and efficiency of its processes and work practices. (2) The degree to which a component or system meets needs for reliability under normal operation.	
Reference: ISO 25010	
measurement	Version 1
The process of assigning a number or category to an entity to describe an attribute of that entity.	
Reference: After ISO 24765	
memory leak	Version 2
A memory access failure due to a defect in a program's dynamic store allocation logic that causes it to fail to release memory after it has finished using it.	
metric	Version 1
A measurement scale and the method used for measurement.	
model-based testing	Version 2
Testing based on or involving models.	
Abbreviation: MBT	
moderator	Version 4
(1) The person responsible for running review meetings. (2) The person who performs a usability test session.	
Synonyms: facilitator	
modularity	Version 1
The degree to which a system is composed of discrete components such that a change to one component has minimal impact on other components.	
Reference: After ISO 25010	
non-functional testing	Version 3
Testing performed to evaluate that a component or system complies with non-functional requirements.	
operational acceptance testing	Version 2
A type of acceptance testing performed to determine if operations and/or systems administration staff can accept a system.	
Synonyms: production acceptance testing	
passed	Version 1
The status of a test result if the actual result matches the expected result.	
path	Version 1
A sequence of consecutive edges in a directed graph.	
Synonyms: control flow path	
peer review	Version 2
A review performed by others with the same abilities to create the work product.	
Reference: After ISO 20246	
See also: technical review, inspection, walkthrough	

performance efficiency	Version 2
The degree to which a component or system uses time, resources and capacity when accomplishing its designated functions.	
Reference: After ISO 25010	
See also: efficiency	
performance testing	Version 2
Testing to determine the performance efficiency of a component or system.	
performance testing tool	Version 1
A test tool that generates load for a designated test item and that measures and records its performance during test execution.	
perspective-based reading	Version 2
A review technique in which a work product is evaluated from the perspective of different stakeholders with the purpose to derive other work products.	
Synonyms: perspective-based reviewing	
planning poker	Version 1
A consensus-based estimation technique, mostly used to estimate effort or relative size of user stories in Agile software development. It is a variation of the Wideband Delphi method using a deck of cards with values representing the units in which the team estimates.	
Reference: Mountain Goat Software	
portability	Version 2
The degree to which a component or system can be transferred from one hardware, software or other operational or usage environment to another.	
Reference: After ISO 25010	
See also: adaptability, coexistence, installability, replaceability	
postcondition	Version 2
The expected state of a test item and its environment at the end of test case execution.	
precondition	Version 2
The required state of a test item and its environment prior to test case execution.	
priority	Version 1
The level of (business) importance assigned to an item, e.g., defect.	
probe effect	Version 2
An unintended change in behavior of a component or system caused by measuring it.	
product risk	Version 2
A risk that impacts the quality of a product.	
See also: risk	
project risk	Version 2
A risk that impacts project success.	
See also: risk	
quality	Version 2
The degree to which a component or system satisfies the stated and implied needs of its various stakeholders.	
Reference: After ISO 25010	
quality assurance	Version 2
Activities focused on providing confidence that quality requirements will be fulfilled.	
Abbreviation: QA	
Reference: After ISO 24765	
See also: quality management	

quality characteristic	Version 3
A category of quality attributes that bears on work product quality.	
Reference: ISO 24765	
Synonyms: quality attribute, software quality characteristic, software product characteristic	
quality control	Version 1
Activities designed to evaluate the quality of a component or system.	
Abbreviation: QC	
Reference: After ISO 24765	
See also: testing	
quality management	Version 1
The process of establishing and directing a quality policy, quality objectives, quality planning, quality control, quality assurance, and quality improvement for an organization.	
Reference: After ISO 24765	
See also: quality assurance	
quality risk	Version 2
A product risk related to a quality characteristic.	
regression testing	Version 3
A type of change-related testing to detect whether defects have been introduced or uncovered in unchanged areas of the software.	
regulatory acceptance testing	Version 2
A type of acceptance testing performed to verify whether a system conforms to relevant laws, policies and regulations.	
reliability	Version 2
The degree to which a component or system performs specified functions under specified conditions for a specified period of time.	
Reference: After ISO 25010	
See also: recoverability	
reliability growth model	Version 2
A model that shows the growth in reliability over time of a component or system as a result of the defect removal.	
requirement	Version 2
A provision that contains criteria to be fulfilled.	
Reference: ISO 24765	
retrospective	Version 2
A regular event in which team members discuss results, review their practices, and identify ways to improve.	
Reference: After SAFe	
Synonyms: project retrospective, retrospective meeting, post-project meeting	
reusability	Version 1
The degree to which a work product can be used in more than one system, or in building other work products.	
Reference: After ISO 25010	
review	Version 3
A type of static testing in which a work product or process is evaluated by one or more individuals to detect defects or to provide improvements.	
reviewer	Version 2
A participant in a review who identifies defects in the work product.	
Reference: After ISO 20246	
Synonyms: checker, inspector	
risk	Version 1
A factor that could result in future negative consequences.	
See also: product risk, project risk	

risk analysis	Version 2
The overall process of risk identification and risk assessment.	
risk level	Version 2
The measure of a risk defined by risk impact and risk likelihood.	
Synonyms: risk exposure	
risk management	Version 3
The process for handling risks.	
Reference: After ISO 24765	
risk mitigation	Version 2
The process through which decisions are reached and protective measures are implemented for reducing or maintaining risks to specified levels.	
risk-based testing	Version 2
Testing in which the management, selection, prioritization, and use of testing activities and resources are based on corresponding risk types and risk levels.	
Reference: After ISO 29119-1	
role-based review	Version 2
A review technique in which a work product is evaluated from the perspective of different stakeholders.	
root cause	Version 1
A source of a defect such that if it is removed, the occurrence of the defect type is decreased or removed.	
Reference: CMMI	
root cause analysis	Version 2
An analysis technique aimed at identifying the root causes of defects.	
Synonyms: causal analysis	
scenario-based review	Version 2
A review technique in which a work product is evaluated to determine its ability to address specific scenarios.	
scribe	Version 2
A person who records information at a review meeting.	
Reference: After ISO 24765	
Synonyms: recorder	
security	Version 2
The degree to which a component or system protects information and data so that persons or other components or systems have the degree of access appropriate to their types and levels of authorization.	
Reference: After ISO 25010	
Synonyms: information security	
security testing	Version 1
Testing to determine the security of the software product.	
sequential development model	Version 2
A type of software development lifecycle model in which a complete system is developed in a linear way of several discrete and successive phases with no overlap between them.	
service virtualization	Version 1
A technique to enable virtual delivery of services which are deployed, accessed and managed remotely.	
session-based testing	Version 1
A test approach in which test activities are planned as test sessions.	
severity	Version 1
The degree of impact that a defect has on the development or operation of a component or system.	

shift left

Version 1

An approach to performing testing and quality assurance activities as early as possible in the software development lifecycle.

See also: shift right

simulator

Version 1

A device, computer program or system used during testing, which behaves or operates like a given system when provided with a set of controlled inputs.

Reference: After ISO 24765

software development lifecycle

Version 1

The activities performed at each stage in software development, and how they relate to one another logically and chronologically.

Abbreviation: SDLC

Synonyms: lifecycle model

software lifecycle

Version 1

The period of time that begins when a software product is conceived and ends when the software is no longer available for use. The software lifecycle typically includes a concept phase, requirements phase, design phase, implementation phase, test phase, installation and checkout phase, operation and maintenance phase, and sometimes, retirement phase. Note these phases may overlap or be performed iteratively.

state transition testing

Version 3

A black-box test technique in which test cases are designed to exercise elements of a state transition model.

Synonyms: finite state testing

statement coverage

Version 2

The coverage of executable statements.

statement testing

Version 2

A white-box test technique in which test cases are designed to execute statements.

static analysis

Version 2

The process of evaluating a component or system without executing it, based on its form, structure, content, or documentation.

Reference: After ISO 24765

static testing

Version 3

Testing a work product without the work product code being executed.

structural coverage

Version 1

Coverage measures based on the internal structure of a component or system.

stub

Version 1

A skeletal or special-purpose implementation of a software component, used to develop or test a component that calls or is otherwise dependent on it. It replaces a called component.

Reference: After ISO 24765

system integration testing

Version 3

A test level that focuses on interactions between systems.

system testing

Version 2

A test level that focuses on verifying that a system as a whole meets specified requirements.

system under test

Version 2

A type of test object that is a system.

Abbreviation: SUT

technical review

Version 3

A formal review by technical experts that examine the quality of a work product and identify discrepancies from specifications and standards.

See also: peer review

test

Version 1

A set of one or more test cases.

test analysis	Version 2
The activity that identifies test conditions by analyzing the test basis.	
test approach	Version 2
The implementation of the test strategy for a specific project.	
test automation	Version 2
The use of software to perform or support test activities.	
test basis	Version 2
The body of knowledge used as the basis for test analysis and design.	
Reference: After TMap	
test case	Version 2
A set of preconditions, inputs, actions (where applicable), expected results and postconditions, developed based on test conditions.	
See also: test step	
test charter	Version 3
Documentation of the goal or objective for a test session.	
Synonyms: charter	
See also: exploratory testing	
test completion	Version 2
The activity that makes testware available for later use, leaves test environments in a satisfactory condition and communicates the results of testing to relevant stakeholders.	
test completion report	Version 3
A type of test report produced at completion milestones that provides an evaluation of the corresponding test items against exit criteria.	
Synonyms: test summary report	
test condition	Version 3
A testable aspect of a component or system identified as a basis for testing.	
Reference: After ISO 29119-1	
Synonyms: test situation, test requirement	
test control	Version 2
The activity that develops and applies corrective actions to get a test project on track when it deviates from what was planned.	
See also: test management	
test cycle	Version 1
An instance of the test process against a single identifiable version of the test object.	
test data	Version 3
Data needed for test execution.	
Synonyms: test dataset	
test data preparation	Version 1
The activity to select data from existing databases or create, generate, manipulate and edit data for testing.	
test design	Version 3
The activity that derives and specifies test cases from test conditions.	
test environment	Version 1
An environment containing hardware, instrumentation, simulators, software tools, and other support elements needed to conduct a test.	
Reference: ISO 24765	
Synonyms: test bed, test rig	
test estimation	Version 2
An approximation related to various aspects of testing.	

test execution	Version 2
The activity that runs a test on a component or system producing actual results.	
test execution schedule	Version 2
A schedule for the execution of test suites within a test cycle.	
test execution tool	Version 1
A test tool that executes tests against a designated test item and evaluates the outcomes against expected results and postconditions.	
test harness	Version 2
A collection of stubs and drivers needed to execute a test suite	
test implementation	Version 2
The activity that prepares the testware needed for test execution based on test analysis and design.	
test infrastructure	Version 1
The artifacts needed to perform testing, consisting of test environments, test tools, office environment and procedures.	
test item	Version 2
A part of a test object used in the test process.	
See also: test object	
test leader	Version 1
On large projects, the person who reports to the test manager and is responsible for project management of a particular test level or a particular set of testing activities.	
Synonyms: lead tester	
See also: test manager	
test level	Version 2
A specific instantiation of a test process.	
Synonyms: test stage	
test management	Version 2
The process of planning, scheduling, estimating, monitoring, reporting, controlling, and completing test activities.	
Reference: ISO 29119-1	
See also: test control, test monitoring	
test management tool	Version 2
A tool that supports test management.	
test manager	Version 2
The person responsible for project management of testing activities, resources, and evaluation of a test object.	
See also: test director, test leader, Agile test leader	
test monitoring	Version 3
The activity that checks the status of testing activities, identifies any variances from planned or expected, and reports status to stakeholders.	
See also: test management	
test object	Version 2
The work product to be tested.	
See also: test item	
test objective	Version 2
The reason or purpose of testing.	
Synonyms: test goal	

test oracle	Version 2
A source to determine an expected result to compare with the actual result of the system under test.	
Reference: After Adrion	
Synonyms: oracle	
test plan	Version 2
Documentation describing the test objectives to be achieved and the means and the schedule for achieving them, organized to coordinate testing activities.	
Reference: After ISO 29119-1	
See also: master test plan, level test plan, test scope	
test planning	Version 1
The activity of establishing or updating a test plan.	
test policy	Version 1
A high-level document describing the principles, approach and major objectives of the organization regarding testing.	
Synonyms: organizational test policy	
See also: test mission	
test procedure	Version 1
A sequence of test cases in execution order, and any associated actions that may be required to set up the initial preconditions and any wrap up activities post execution.	
Reference: ISO 29119-1	
test process	Version 2
The set of interrelated activities comprising of test planning, test monitoring and control, test analysis, test design, test implementation, test execution, and test completion.	
test process improvement	Version 1
A program of activities undertaken to improve the performance and maturity of the organization's test processes.	
Reference: After CMMI	
test progress report	Version 3
A type of test report produced at regular intervals about the progress of test activities against a baseline, risks, and alternatives requiring a decision.	
Synonyms: test status report	
test report	Version 1
Documentation summarizing test activities and results.	
test reporting	Version 1
Collecting and analyzing data from testing activities and subsequently consolidating the data in a report to inform stakeholders.	
test result	Version 1
The consequence/outcome of the execution of a test.	
Synonyms: outcome, test outcome, result	
test script	Version 2
A sequence of instructions for the execution of a test.	
test session	Version 1
An uninterrupted period of time spent in executing tests.	
test strategy	Version 3
Documentation aligned with the test policy that describes the generic requirements for testing and details how to perform testing within an organization.	
Synonyms: organizational test strategy	

test suite	Version 3
A set of test scripts or test procedures to be executed in a specific test run.	
Synonyms: test set, test case suite	
test technique	Version 3
A procedure used to define test conditions, design test cases, and specify test data.	
Synonyms: test design technique	
test type	Version 2
A group of test activities based on specific test objectives aimed at specific characteristics of a component or system.	
Reference: After TMap	
test-first approach	Version 1
An approach to software development in which the test cases are designed and implemented before the associated component or system is developed.	
See also: test-driven development	
testability	Version 3
The degree to which test conditions can be established for a component or system, and tests can be performed to determine whether those test conditions have been met.	
Reference: After ISO 25010	
See also: maintainability	
tester	Version 2
A person who performs testing.	
testing	Version 2
The process consisting of all lifecycle activities, both static and dynamic, concerned with planning, preparation and evaluation of a component or system and related work products to determine that they satisfy specified requirements, to demonstrate that they are fit for purpose and to detect defects.	
testware	Version 2
Work products produced during the test process for use in planning, designing, executing, evaluating and reporting on testing.	
Reference: After ISO 29119-1	
traceability	Version 2
The degree to which a relationship can be established between two or more work products.	
Reference: After ISO 19506 cognitive bias :- not understanding the tester feedback conformation bias:- not accepting their mistake	
usability	Version 3
The degree to which a component or system can be used by specified users to achieve specified goals in a specified context of use.	
Reference: After ISO 25010	
See also: user interface aesthetics, operability, appropriateness recognizability	
usability testing	Version 2
Testing to evaluate the degree to which the system can be used by specified users with effectiveness, efficiency and satisfaction in a specified context of use.	
Reference: After ISO 25010	
use case testing	Version 3
A black-box test technique in which test cases are designed to exercise use case behaviors.	
Synonyms: user scenario testing, scenario testing	
user acceptance testing	Version 4
A type of acceptance testing performed to determine if intended users accept the system.	
Abbreviation: UAT	
See also: acceptance testing	

user interface

Version 1

All components of a system that provide information and controls for the user to accomplish specific tasks with the system.

user story

Version 3

A user or business requirement consisting of one sentence expressed in the everyday or business language which is capturing the functionality a user needs, the reason behind it, any non-functional criteria, and also including acceptance criteria.

See also: user story testing

V-model

Version 2

A sequential software development lifecycle model describing a one-for-one relationship between major phases of software development from business requirements specification to delivery, and corresponding test levels from acceptance testing to component testing.

validation

Version 1

Confirmation by examination and through provision of objective evidence that the requirements for a specific intended use or application have been fulfilled.

Reference: ISO 9000

verification

Version 1

Confirmation by examination and through provision of objective evidence that specified requirements have been fulfilled.

Reference: ISO 9000

walkthrough

Version 2

A type of review in which an author leads members of the review through a work product and the members ask questions and make comments about possible issues.

Reference: After ISO 20246

Synonyms: structured walkthrough

white-box test technique

Version 3

A test technique only based on the internal structure of a component or system.

Synonyms: white-box test design technique, structure-based test technique

white-box testing

Version 1

Testing based on an analysis of the internal structure of the component or system.

Synonyms: clear-box testing, code-based testing, glass-box testing, logic-coverage testing, logic-driven testing, structural testing, structure-based testing

Wideband Delphi

Version 1

An expert-based test estimation technique that aims at making an accurate estimation using the collective wisdom of the team members.
