

Maintainability Criterion

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Discussion

A Maintainability Criterion establishes a measurable condition used to evaluate the [Maintainability](#) of an entity.

A Maintainability Criterion may specify:

- A threshold
- A tolerance
- An acceptable range
- A required property
- A permitted maintenance duration
- A maximum change effort
- A dependency-visibility condition
- A change-isolation condition
- A verification or regression-testing condition

The applicable Maintainability Criteria may originate from a [Requirement](#), [Policy](#), [Constraint](#), profile, [Baseline](#), or designated [Authority](#).

Definition

measurable condition used to determine whether the maintainability of an entity satisfies a specified requirement

Source

Dido Solutions, Inc. and Jackrabbit Consulting, Inc., derived from the maintainability concepts in ISO/IEC 25010:2023

Note

A Maintainability Criterion states the condition used for evaluation. It does not state the measured or observed result of that evaluation.

A criterion may address modularity, reusability, analyzability, modifiability, testability, or another governed maintainability characteristic.

When applicable Maintainability Criteria conflict, DIDO-TE records and surfaces the conflict without inventing precedence. The appropriate Community of Interest or designated Authority resolves the conflict.

Example

A requirement that an authorized configuration change be implemented and regression tested within four hours establishes a Maintainability Criterion containing a maximum maintenance duration and a verification condition.

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