

Observation

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Discussion

An Observation records information detected, measured, received, or otherwise obtained while examining an object, activity, event, or condition.

During a [Test Execution](#), an Observation records an aspect of the behavior, state, output, performance, or operating conditions of a [Candidate Solution](#) or its [Test Environment](#).

An Observation records what occurred without determining whether the observed information satisfies an expected result or acceptance criterion. Evaluation of one or more Observations produces a [Test Outcome](#).

An Observation may contribute to [Evidence](#) after DIDO-TE preserves the information, its source, its context, and its provenance.

Definition

information obtained by detecting, measuring, receiving, or otherwise examining a property, state, behavior, event, or condition

Source

Adapted from the observation concepts described by:

- [ISO 19156:2023, Geographic information — Observations, measurements and samples](#)
- [NIST Computer Security Resource Center, “test”](#)

Note

An Observation remains distinct from its interpretation.

For example:

- “The service returned status code 503” records an Observation.
- “The service failed the availability criterion” records a Test Outcome.

An Observation record identifies the applicable:

- Test Execution

- Source
- Observed property, state, behavior, event, or condition
- Observed value or description
- Time of observation
- Collection or measurement method
- Measurement unit, when applicable
- Relevant operating conditions

Example

During a Test Execution, DIDO-TE records that the Candidate Solution rejected a Transfer Bundle and returned status code 403 at 14:32:18 UTC. This record constitutes an Observation. Comparison of the Observation with the expected behavior determines the Test Outcome.

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