

# TWIN-001b — Preserve Twin Identity Across Realizations

[Go to TWIN-001 — Establish Twin Identity](#)

## Statement

The DIDO-TE SHALL associate every [Twin Realization](#) of the same [Twin Identity](#) with the same [Twin Identifier](#).

## Source

- [\[DTE1\] U.S. Patent Application US20220237111A1](#), virtual and physical Twin Node concepts and identifiers shared among Twin Nodes
- [\[DTE2\] Non-Traditional BAA Submission](#), F17, *Twin Nodes Selection*

## Rationale

A [Twin Identity](#) represents the logical twin independently of any particular [Twin Realization](#).

The source material permits multiple realizations of the same twin, including virtual and physical or real-world realizations. Preserving the same [Twin Identifier](#) across those realizations allows a [Test Execution](#) to select or substitute a realization without changing the logical participant represented by the test.

This separation also supports comparing results from different Twin Realizations of the same Twin Identity.

## Applies To

- [Twin Identity](#)
- [Twin Identifier](#)
- [Twin Realization](#)
- [Twin Node](#)
- [Test Definition](#)
- [Test Execution](#)

## Verification

Verification confirms that:

1. Two or more Twin Realizations associated with the same Twin Identity reference the same Twin Identifier.
2. Selection of a different Twin Realization for a Test Execution preserves the Twin Identifier.
3. Replacement or removal of a Twin Realization does not alter the Twin Identifier assigned to the Twin Identity.
4. A Twin Realization associated with a different Twin Identity does not reference the Twin Identifier assigned to the first Twin Identity.

Verification includes inspection of a Twin Identity associated with at least two Twin Realizations and execution of a realization-selection or substitution test.

## Traceability

**Plugin Backlinks: Nothing was found.**

## ConOps Relationship

This requirement supports ConOps activities that select or substitute among alternative Twin Realizations while preserving the identity of the logical twin represented within the Test Execution.

## Delivery Phase

TBD

## Requirement Status

Draft

## Statement Reference

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{{section>dido:03-dido-te:99-annexes:annex-c-requirements:03-functional-requirements:03-03-twin-node-requirements:twin-001-establish-twin-identity:twin-001b-preserve-twin-identity-across-realizations#Statement&noheader&nofooter&noeditbtn}}
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