

TWIN-001c — Identify a Twin Realization

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

Statement

The DIDO-TE SHALL assign each [Twin Realization](#) a unique Twin Realization Identifier.

Source

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

Rationale

A [Twin Identity](#) identifies the logical twin, while a Twin Realization Identifier distinguishes a particular [Twin Realization](#) associated with that Twin Identity.

Separate identification of each Twin Realization allows DIDO-TE to distinguish among virtual, physical, real-world, simulated, or other permitted realizations without treating an implementation-specific resource identifier as the identity of the logical twin.

This distinction supports Configuration, realization selection, state acquisition, comparison, and [Traceability](#).

Applies To

- [Twin Identity](#)
- [Twin Identifier](#)
- [Twin Realization](#)
- Twin Realization Identifier
- [Twin Node](#)

Verification

Verification confirms that:

```
# Each Twin Realization has a Twin Realization Identifier.  
# Two distinct Twin Realizations do not have the same Twin Realization  
Identifier within the applicable identity scope.  
# Multiple Twin Realizations associated with one Twin Identity remain
```

individually distinguishable.
The Twin Realization Identifier remains distinguishable from the [[dido:99-annexes:annex-b-terms-and-definitions:t:twin_identifier|Twin Identifier]].
A change to an implementation-specific identifier does not, by itself, change the Twin Realization Identifier.

Verification includes inspection of a Twin Identity associated with multiple Twin Realizations.

Traceability

Plugin Backlinks: Nothing was found.

ConOps Relationship

This requirement supports registration, Configuration, selection, observation, and comparison of individual Twin Realizations associated with a Twin Identity.

Delivery Phase

TBD

Requirement Status

Draft

Statement Reference

```
{{section>dido:03-dido-te:99-annexes:annex-c-requirements:03-functional-requirements:03-03-twin-node-requirements:twin-001-establish-twin-identity:twin-001c-identify-a-twin-realization#Statement&noheader&nofooter&noeditbtn}}
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