

TWIN-001a — Assign a Twin Identifier

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

Statement

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

Source

- [\[DTE1\] U.S. Patent Application US20220237111A1](#), Twin Node claims describing identifiers shared among Twin Nodes
- [\[DTE2\] Non-Traditional BAA Submission, F17, Twin Nodes Selection](#)
- [\[DTE9\] Distributed Immutable Data Object Reference Architecture \(DIDO-RA\)](#), Appendix A, *Digital Twin*

Rationale

A stable logical identity distinguishes the twin from the individual [Twin Realizations](#) that represent it.

The [Twin Identifier](#) provides the common identity needed to associate multiple Twin Realizations with the same [Twin Identity](#) and to preserve that identity when a [Test Execution](#) selects a different realization.

The Twin Identifier remains independent of container identifiers, process identifiers, host names, network addresses, DDS entity identifiers, and other realization-specific identifiers.

Applies To

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

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