

TWIN-009a — Identify Permitted Twin Interactions

[Go to TWIN-009 — Control Twin Interaction](#)

Statement

The [DIDO-TE](#) SHALL identify each permitted interaction for every [Twin Relationship](#).

Source

- [\[DTE1\] U.S. Patent Application US20220237111A1](#), virtual and physical Twin Node concepts, modification of Twin Nodes, comparison of results, and validation
- [\[DTE2\] Non-Traditional BAA Submission](#), Digital Twin concepts, monitoring, scenario testing, integration, and Twin Nodes Selection
- [\[DTE9\] Distributed Immutable Data Object Reference Architecture \(DIDO-RA\)](#), Digital Twin, distributed data, DDS publish-subscribe, and Quality of Service concepts

Rationale

A [Twin Relationship](#) may involve multiple forms of interaction, including observation, information exchange, synchronization, simulation, invocation, or state-changing operations.

The existence of a Twin Relationship does not grant unrestricted authority to perform every technically possible interaction.

Identification of permitted interactions establishes the semantic and governance boundary for interaction among participating [Twin Realizations](#), [Nodes](#), and other [Resources](#).

Technical connectivity, DDS discovery, Topic matching, API availability, or compatible [Quality of Service](#) characteristics do not establish interaction permission.

The governing [Configuration](#) provides the controlled basis for identifying the interactions permitted by the Twin Relationship.

Applies To

- [DIDO-TE](#)
- [Twin Relationship](#)
- [Twin Realization](#)
- [Node](#)
- [Resource](#)

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