

# 21.8 Interaction Pattern Realization Requirements

## [Go To Phase 0 Implementation Requirements](#)

This section identifies the normative requirements established for Phase 0 realization of selected FX logical interaction patterns. The canonical requirement statements are maintained in [Annex D: Requirements, Part 4, Section 21.8](#).

**Table 21-7:** Interaction pattern realization requirements.

| Requirement ID                  | Statement                                                                                                                                 |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">P4-REQ-21-8-001</a> | The Phase 0 Implementation Profile / PSM SHALL realize selected FX logical interaction patterns through Phase 0 implementation artifacts. |
| <a href="#">P4-REQ-21-8-002</a> | Each interaction realization SHALL identify the FX logical interaction pattern it realizes.                                               |
| <a href="#">P4-REQ-21-8-003</a> | Each interaction realization SHALL identify the implementation participants involved.                                                     |
| <a href="#">P4-REQ-21-8-004</a> | Each interaction realization SHALL identify the DDS Topic or Topics used.                                                                 |
| <a href="#">P4-REQ-21-8-005</a> | Each interaction realization SHALL identify the IDL structures and generated types exchanged.                                             |
| <a href="#">P4-REQ-21-8-006</a> | Each interaction realization SHALL identify the Runtime Plane or Runtime Planes involved.                                                 |
| <a href="#">P4-REQ-21-8-007</a> | Each interaction realization SHALL identify the expected processing outcome.                                                              |
| <a href="#">P4-REQ-21-8-008</a> | Each interaction realization SHALL identify the required logging and exception-handling behavior.                                         |
| <a href="#">P4-REQ-21-8-009</a> | Each interaction realization SHALL identify the audit and provenance expectations where applicable.                                       |
| <a href="#">P4-REQ-21-8-010</a> | Each interaction realization SHALL identify the supporting scripts or configuration artifacts where applicable.                           |
| <a href="#">P4-REQ-21-8-011</a> | Each interaction realization SHALL preserve traceability to the Part 3 FX logical interaction pattern.                                    |
| <a href="#">P4-REQ-21-8-012</a> | Implementation flows SHALL NOT redefine FX logical interaction patterns.                                                                  |

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