

21.3 Technology Selection Requirements

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This section identifies the normative requirements established for Phase 0 technology selection within the Phase 0 Implementation Profile / PSM. The canonical requirement statements are maintained in [Annex D: Requirements, Part 4, Section 21.3](#).

Table 21-2: Phase 0 technology selection requirements.

Requirement ID	Statement
P4-REQ-21-3-001	The Phase 0 Implementation Profile / PSM SHALL identify the selected Phase 0 implementation technologies.
P4-REQ-21-3-002	The Phase 0 Implementation Profile / PSM SHALL identify DDS as the selected Phase 0 communication technology.
P4-REQ-21-3-003	The Phase 0 Implementation Profile / PSM SHALL identify IDL as the selected Phase 0 data definition mechanism.
P4-REQ-21-3-004	The Phase 0 Implementation Profile / PSM SHALL identify QoS profiles as the selected Phase 0 communication behaviour controls.
P4-REQ-21-3-005	The Phase 0 Implementation Profile / PSM SHALL identify generated types as Phase 0 implementation data artefacts derived from governed IDL structures.
P4-REQ-21-3-006	The Phase 0 Implementation Profile / PSM SHALL identify Python as the selected Phase 0 hand-authored implementation language.
P4-REQ-21-3-007	The Phase 0 Implementation Profile / PSM SHALL identify scripts as Phase 0 build, generation, execution, shutdown, cleanup, and workflow helpers.
P4-REQ-21-3-008	The Phase 0 Implementation Profile / PSM SHALL identify repository structure as Phase 0 implementation organisation.
P4-REQ-21-3-009	The Phase 0 technology selections SHALL NOT redefine the conceptual architecture, logical architecture, or FX Demo Logical Profile.
P4-REQ-21-3-010	A later implementation profile MAY extend, refine, supersede, or replace one or more Phase 0 technology selections.

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