

3.6 Traceability to Phase 0 Implementation Source Material

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Phase 0 implementation source material provides the selected implementation context for this part. That source material includes prior FX Demo implementation planning, [DDS](#) and [IDL](#) mapping decisions, Quality of Service (QoS) profile decisions, generated-type expectations, Node skeleton planning, script planning, repository layout planning, and implementation conventions.

This part normalizes that source material into an implementation profile. It separates architecture-level implementation mappings from developer instructions, deployment procedures, runtime evidence, and operational test results.

Table 3-6: Phase 0 implementation source material normalized into Part 4.

Phase 0 source material	Part 4 treatment
DDS communication decisions	Normalized into communication technology selection and endpoint-to-topic mapping.
IDL structure decisions	Normalized into information-structure-to-IDL mapping.
QoS profile decisions	Normalized into the Phase 0 QoS Profile Model.
Generated type decisions	Normalized into generated artifact mapping and generation conventions.
Node skeleton planning	Normalized into implementation Node and implementation participant mapping.
Script planning	Normalized into the script and execution model.
Repository layout planning	Normalized into the Phase 0 Repository and Build Artifact Model.
Logging and exception-handling concerns	Normalized into implementation conventions and Developer Handbook requirements.
Coding style concerns	Defers to the Phase 0 Developer Handbook, with architectural requirements identified in this part.
Deployment and evidence concerns	Deferred to Part 5.

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