

16.4 Type Generation

Go To Phase 0 Script and Execution Model

Phase 0 must include a controlled type-generation script or equivalent controlled procedure when generated types form part of the implementation baseline.

The type-generation script reads governed IDL definitions and produces generated types in the approved generated-code location. The script must preserve repeatability and [traceability](#).

The type-generation script must identify:

1. Source IDL file or files
2. Generator or generation command
3. Generated output location
4. Generated artifacts produced
5. Regeneration policy
6. Manual-editing rule for generated files
7. Affected DDS Topic mappings
8. Affected implementation modules where applicable
9. Related FX logical information structures

The script must not silently overwrite hand-authored files. Generated output locations must remain distinct from hand-authored source locations unless the Developer Handbook explicitly allows a controlled exception.

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