

18.6 IDL and Generated Type Traceability

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IDL and generated type [traceability](#) relates an FX logical information structure to the IDL structure and generated type that realize it.

An IDL and generated type trace must identify:

1. FX logical information structure realized
2. IDL structure name
3. Source IDL file
4. Generated type name
5. Generated output location
6. Generator or generation process
7. Generation context or version
8. Regeneration policy
9. Manual-editing rule
10. DDS Topic or Topics that carry the generated type
11. Producing and consuming implementation participants
12. Runtime Plane classification
13. Review record confirming generation and traceability

IDL and generated type traceability protects repeatability. A reviewer must be able to determine which governed logical information structure led to an IDL structure and which generated artifacts came from that IDL structure.

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