

7.4 QoS Profiles as Phase 0 Communication Behavior Controls

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Phase 0 uses Quality of Service (QoS) profiles to control selected communication behaviors for [DDS Topics](#), publishers, subscribers, and related implementation participants.

Quality of Service (QoS) profiles define implementation-level communication behavior such as reliability, durability, ordering, liveliness, history, resource limits, and related DDS concerns as needed for Phase 0. The QoS profile assigned to a Topic or participant must support the [Runtime Plane](#) purpose and interaction expectations associated with the corresponding FX logical [Communication Endpoint](#).

Quality of Service (QoS) profiles do not redefine Runtime Planes or logical interaction patterns. They provide implementation controls that help realize selected logical communication expectations.

Phase 0 defines Quality of Service (QoS) profiles only at the level needed for the demonstration baseline. Later development phases may extend, refine, supersede, or replace the Phase 0 Quality of Service (QoS) profiles.

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