

16.4 Logical Communication Requirements

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1. The Logical Architecture / PIM SHALL define [Logical Communication Endpoint](#) and [Communication Role](#).
2. The Logical Architecture / PIM SHALL define communication roles for [Publisher Role](#), [Subscriber Role](#), [Requester Role](#), [Responder Role](#), [Command Producer Role](#), [Command Consumer Role](#), [Event Producer Role](#), and [Event Consumer Role](#).
3. A [Logical Communication Endpoint](#) SHALL identify a platform-independent point of information exchange among [Logical Nodes](#).
4. A [Communication Role](#) SHALL identify how a [Logical Node](#) participates in a [Logical Communication Endpoint](#).
5. The Logical Architecture / PIM SHALL define logical communication through explicit [Logical Communication Endpoints](#) rather than hidden coupling, undocumented dependencies, or implicit control paths.
6. The Logical Architecture / PIM SHALL distinguish [Logical Communication Endpoints](#) from DDS Topics, REST resources, RPC methods, Protocol Buffers services, message queues, event streams, files, database handoffs, shared-memory locations, network routes, and deployment artefacts.
7. The Logical Architecture / PIM SHALL NOT prescribe one communication technology or interaction style.
8. The Logical Architecture / PIM SHALL support communication pattern independence by distinguishing logical communication relationships from the implementation mechanisms that realise them.

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