

16.4 Logical Communication Requirements

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This section identifies the normative requirements established for the Logical Communication Model. The canonical requirement statements are maintained in [Annex C: Requirements, Part 2, Section 16.4](#).

Table 16-3: Logical Communication requirements.

Requirement ID	Statement
P2-REQ-16-4-001	The Logical Architecture / PIM SHALL define Logical Communication Endpoint and Communication Role .
P2-REQ-16-4-002	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 .
P2-REQ-16-4-003	A Logical Communication Endpoint SHALL identify a platform-independent point of information exchange among Logical Nodes .
P2-REQ-16-4-004	A Communication Role SHALL identify how a Logical Node participates in a Logical Communication Endpoint .
P2-REQ-16-4-005	The Logical Architecture / PIM SHALL define logical communication through explicit Logical Communication Endpoints rather than hidden coupling, undocumented dependencies, or implicit control paths.
P2-REQ-16-4-006	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 artifacts.
P2-REQ-16-4-007	The Logical Architecture / PIM SHALL NOT prescribe one communication technology or interaction style.
P2-REQ-16-4-008	The Logical Architecture / PIM SHALL support communication pattern independence by distinguishing logical communication relationships from the implementation mechanisms that realize them.

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