

# 10.7 Acknowledge Control Command

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The Acknowledge Control Command pattern allows a [Logical Node](#) to report receipt, acceptance, rejection, completion, failure, or outcome of a [Logical Command](#).

A command-consuming [Logical Node](#) produces a Logical Acknowledgement. The acknowledgement identifies the original command, the acknowledging [Logical Node](#), the acknowledgement status, timestamp, reason, resulting lifecycle state, and provenance or [Evidence](#) reference.

The interaction belongs primarily to the [Logical Control Plane](#). It also supports the [Logical Health and Observability Plane](#) when the acknowledgement reports operational state, and the [Logical Audit and Provenance Plane](#) when the architecture records command outcome.

Table 10-6: Acknowledge Control Command logical interaction pattern

| Element                     | Logical treatment                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Primary Runtime Plane       | <a href="#">Logical Control Plane</a>                                                                                              |
| Producing Logical Node Role | <a href="#">Command Consumer</a> , Managed Node, Worker Node, or Controlled Node                                                   |
| Consuming Logical Node Role | <a href="#">Command Producer</a> , Control Node, Coordinator, or Operator-facing Node                                              |
| Primary information         | Logical Acknowledgement                                                                                                            |
| Supporting information      | Command identifier, acknowledgement status, reason, timestamp, resulting lifecycle state                                           |
| Traceability expectation    | Acknowledgement traces to the original command, acknowledging <a href="#">Logical Node</a> , outcome, and related lifecycle state. |
| Evidence expectation        | Acknowledgement record supports review of command handling and operational accountability.                                         |

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