

# 13.5 Runtime Plane Requirements

## [Go to Conceptual Requirements](#)

This section identifies the normative requirements for runtime planes established by Part 1. The canonical requirement statements are maintained in [Annex C: Requirements, Part 1](#).

**Table 13.5-1:** Part 1 runtime plane requirements.

| Requirement ID  | Statement                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P1-REQ-13-5-001 | The Conceptual Architecture SHALL define the following conceptual <a href="#">Runtime Planes</a> : <a href="#">Control Plane</a> , <a href="#">Data Plane</a> , <a href="#">Health and Observability Plane</a> , <a href="#">Policy and Release Plane</a> , and <a href="#">Audit and Provenance Plane</a> . |
| P1-REQ-13-5-002 | The <a href="#">Control Plane</a> SHALL support operational coordination among <a href="#">Nodes</a> .                                                                                                                                                                                                       |
| P1-REQ-13-5-003 | The <a href="#">Data Plane</a> SHALL carry <a href="#">Domain</a> and analytical information among <a href="#">Nodes</a> .                                                                                                                                                                                   |
| P1-REQ-13-5-004 | The <a href="#">Health and Observability Plane</a> SHALL support observation of operational condition and behavior.                                                                                                                                                                                          |
| P1-REQ-13-5-005 | The <a href="#">Policy and Release Plane</a> SHALL support governed access, disclosure, safeguarding, and release of information.                                                                                                                                                                            |
| P1-REQ-13-5-006 | The <a href="#">Audit and Provenance Plane</a> SHALL support auditability, provenance, lineage, reconstruction, and defensibility.                                                                                                                                                                           |
| P1-REQ-13-5-007 | The Conceptual Architecture SHALL distinguish <a href="#">Runtime Planes</a> from implementation mechanisms.                                                                                                                                                                                                 |
| P1-REQ-13-5-008 | The Conceptual Architecture SHALL NOT treat a <a href="#">Runtime Plane</a> as a DDS Domain, DDS Topic, DDS partition, Kubernetes namespace, network segment, container group, security zone, or deployment environment.                                                                                     |
| P1-REQ-13-5-009 | Cross-plane relationships SHALL preserve the distinct architectural purpose of each <a href="#">Runtime Plane</a> involved.                                                                                                                                                                                  |
| P1-REQ-13-5-010 | Cross-plane relationships SHALL be <a href="#">Traceable</a> when they affect <a href="#">Governance and Authority</a> , release, recovery, auditability, provenance, or <a href="#">Evidence</a> .                                                                                                          |
| P1-REQ-13-5-011 | The <a href="#">Policy and Release Plane</a> SHALL support conceptual separation between full transaction detail, transaction metadata, aggregate summaries, derived indicators, redacted views, masked views, exception views, and full-detail release views.                                               |
| P1-REQ-13-5-012 | The <a href="#">Policy and Release Plane</a> SHALL support data sovereignty and data residency as conceptual release and movement concerns.                                                                                                                                                                  |
| P1-REQ-13-5-013 | The <a href="#">Policy and Release Plane</a> SHALL support policy-governed release without requiring all protected information to pass through a single central policy mechanism.                                                                                                                            |
| P1-REQ-13-5-014 | The <a href="#">Policy and Release Plane</a> SHALL support later logical realization through policy enforcement, policy decision, policy administration, policy information, obligation, release, and audit/evidence capabilities.                                                                           |
| P1-REQ-13-5-015 | The <a href="#">Policy and Release Plane</a> SHALL NOT treat metadata release or aggregate release as authorization to release full transaction detail.                                                                                                                                                      |

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