

Annex D: Requirements Traceability

[Go to Crucible](#)

Annex D maps the canonical leaf requirements in [Annex C: Requirements](#) to the Crucible pages that reference them.

Annex C remains the canonical source for requirement titles, Statements, rationale, and verification information. Annex D provides traceability links and coverage information without restating or redefining the requirements.

Requirements Traceability Index

The Requirements Traceability Index lists the canonical leaf requirements alphabetically by title.

The **Requirement Title** column links to the canonical requirement page. The **Referenced By** column identifies the Crucible pages that link to that requirement.

A requirement with no references requires review to determine whether:

- The requirement lacks ConOps coverage
- The requirement belongs outside the ConOps
- The requirement represents a future capability
- The requirement page or backlink is incomplete
- The requirement requires an additional operational page

Requirement Title	Referenced By
<i>Requirements will be listed alphabetically by title</i>	<i>Backlinks to Crucible pages referencing the requirement</i>

Contents

- [D.1 Mission Objective Traceability](#)
- [D.2 Operational Requirement Traceability](#)
- [D.3 Functional Requirement Traceability](#)
- [D.4 Cross-Cutting Requirement Traceability](#)
- [D.5 Requirements Coverage Summary](#)
- [D.6 Uncovered and Partially Covered Requirements](#)

Traceability Rules

The traceability information follows these rules:

- Include only canonical leaf requirements
- Treat a requirement implemented as a namespace start page as a leaf when it has no child requirements

- Exclude parent requirements that have leaf children
- Link each requirement title to its canonical Annex C page
- Sort the Requirements Traceability Index alphabetically by displayed title
- Identify every Crucible page that directly references the requirement
- Do not copy or paraphrase the canonical requirement Statement
- Record requirements without references as uncovered until reviewed
- Record ConOps pages without supporting requirements as unsupported until reviewed

Coverage Status

Detailed traceability pages can use the following coverage statuses:

Status	Meaning
Complete	The referenced Crucible content provides operational coverage consistent with the requirement Statement
Partial	The referenced content addresses only part of the requirement Statement
Not Covered	No current Crucible page provides identifiable coverage
Outside ConOps Scope	The requirement applies to another specification, design, implementation, verification, or governance artifact
Future Capability	The requirement applies to a capability outside the current operational baseline
Review Required	The available requirement or coverage information is insufficient to determine the appropriate status

Relationship to Annex E

[Annex E: Issues](#) records problems discovered during traceability review.

Examples include:

- A requirement without operational coverage
- A ConOps capability without a supporting requirement
- A requirement that requires further decomposition
- An ambiguous or incomplete requirement Statement
- An incorrect parent or leaf classification
- A missing requirement page
- An inconsistent requirement namespace or title
- A proposed future capability

Annex D records the traceability condition. Annex E records the issue and its resolution status.

Notes for Editors

Populate the Requirements Traceability Index only after confirming the complete Annex C leaf-requirement inventory.

Do not list true parent requirements when their leaf children provide the normative Statements.

Where a leaf requirement uses a namespace start page for numerical ordering, link to the actual start page.

The **Referenced By** column should derive from direct links to the canonical requirement page wherever the available DokuWiki backlink mechanism permits dynamic generation.

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