MYTHOS SYSTEMS / ENGINEERING STANDARDS LIBRARY

AUTHORITY CROSSWALK / PERMANENT PUBLICATION

AUTH-004

IETF, RFC, IANA, and OpenID Protocol Crosswalk

IETF / IANA / OpenID Foundation

MAPPING DOCTRINE

Directional mappings only. No certification, legal compliance, implementation effectiveness, or clause-level equivalence is implied without explicit evidence.

VERSION 2.0.0-candidate / VALIDATED 2026-09-17

Publication identity

Permanent identity, mapping direction, confidence, and expiration

DOCUMENT ID
AUTH-004

VERSION
2.0.0-candidate

STATUS
Candidate Authority Crosswalk

VALIDATED
2026-09-17

SCHEDULED REVIEW
2026-11-16

AUTHORITY FAMILY
IETF / IANA / OpenID Foundation

INTERPRETATION BOUNDARY

This publication is a Mythos-authored crosswalk. External standards remain authoritative only in their official editions. Mappings express relationship and implementation relevance; they are not certifications, legal opinions, or proof that a control is operating effectively.

DIRECTION

External authority -> Mythos publication. Reverse inference is not automatic.

CONFIDENCE

C3 high alignment; C2 strong supporting relation; C1 contextual; C0 no asserted mapping.

EQUIVALENCE

NONE ASSERTED unless a clause-level analysis proves identical scope and obligation.

EXPIRATION

Every mapping expires by date or earlier upon source supersession, material revision, conflict, or implementation change.

Directional mapping method

Five steps prevent crosswalks from becoming false equivalence claims

01 / PIN

Pin exact final version or dated rolling snapshot.

02 / SCOPE

Compare authority purpose, subject, population, system boundary, and obligation type.

03 / MAP

Record only directional relationship to permanent Mythos IDs.

04 / GRADE

Assign C3/C2/C1 confidence and record rationale; equivalence defaults to none.

05 / EXPIRE

Set expiry and event triggers; revalidate before relying on stale mappings.

NON-COMPENSABLE RULE

A high-confidence mapping cannot prove implementation effectiveness. An exact external clause cannot be satisfied merely because a Mythos control has a similar title. Evidence of implementation remains separate from authority mapping.

Current authority/version register

Exact version pins or dated rolling snapshots

ID / SOURCE	VERSION / STATUS	VALID THROUGH
RFC-8200 Internet Protocol, Version 6	**RFC 8200** Internet Standard	**2027-03-16** STABLE
RFC-9293 Transmission Control Protocol	**RFC 9293** Internet Standard	**2027-03-16** STABLE
RFC-1035-FAMILY Domain Names - Implementation and Specification	**RFC 1035 + current DNS updates** Standards family	**2026-12-16** MEDIUM
RFC-7858 DNS over TLS	**RFC 7858** Proposed Standard	**2027-03-16** STABLE
RFC-8484 DNS Queries over HTTPS	**RFC 8484** Proposed Standard	**2027-03-16** STABLE
RFC-9000 QUIC Transport Protocol	**RFC 9000** Proposed Standard	**2027-03-16** STABLE
RFC-9114 HTTP/3	**RFC 9114** Proposed Standard	**2027-03-16** STABLE
RFC-4271 Border Gateway Protocol 4	**RFC 4271 + updates** Draft Standard family	**2026-12-16** MEDIUM

Current authority/version register / continued

Exact version pins or dated rolling snapshots

ID / SOURCE	VERSION / STATUS	VALID THROUGH
RFC-6480 RPKI Infrastructure	**RFC 6480 + updates** Standards family	**2026-12-16** MEDIUM
RFC-8205 BGPsec Protocol Specification	**RFC 8205** Proposed Standard	**2027-03-16** STABLE
RFC-9700 Best Current Practice for OAuth 2.0 Security	**RFC 9700** BCP	**2026-12-16** MEDIUM
RFC-9449 OAuth 2.0 Demonstrating Proof of Possession	**RFC 9449** Proposed Standard	**2027-03-16** STABLE
OIDC-CORE-1.0-E2 OpenID Connect Core 1.0	**Final incorporating Errata Set 2 / 2023-12-15** Final	**2027-03-16** STABLE
OID-FEDERATION-1.0 OpenID Federation	**1.0 Final / 2026-02-17** Final	**2026-12-16** MEDIUM
RFC-8446 TLS 1.3	**RFC 8446** Proposed Standard	**2027-03-16** STABLE
RFC-8555 Automatic Certificate Management Environment	**RFC 8555** Proposed Standard	**2027-03-16** STABLE

Current authority/version register / continued

Exact version pins or dated rolling snapshots

ID / SOURCE	VERSION / STATUS	VALID THROUGH
RFC-9457 Problem Details for HTTP APIs	**RFC 9457** Proposed Standard	**2027-03-16** STABLE
IANA-REGISTRIES IANA protocol parameter registries	**Snapshot 2026-09-17** Living registries	**2026-10-17** ROLLING

Directional mapping register

Representative high-value targets; full mapping register accompanies the PDF

RFC-8200 — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004, MYTHOS-NET-0006, MYTHOS-NET-0007

Direction: RFC-8200 -> Mythos. Scope and implementation remain independently assessed.

RFC-9293 — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0006, MYTHOS-DST-0001, MYTHOS-DST-0002, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003

Direction: RFC-9293 -> Mythos. Scope and implementation remain independently assessed.

RFC-1035-FAMILY — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0010, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004, MYTHOS-NET-0005

Direction: RFC-1035-FAMILY -> Mythos. Scope and implementation remain independently assessed.

RFC-7858 — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0010, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004, MYTHOS-NET-0005

Direction: RFC-7858 -> Mythos. Scope and implementation remain independently assessed.

RFC-8484 — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0010, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004, MYTHOS-NET-0005

Direction: RFC-8484 -> Mythos. Scope and implementation remain independently assessed.

RFC-9000 — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0006, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004, MYTHOS-NET-0005

Direction: RFC-9000 -> Mythos. Scope and implementation remain independently assessed.

Directional mapping register / continued

Representative high-value targets; full mapping register accompanies the PDF

RFC-9114 — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-WEB-0001, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004, MYTHOS-NET-0005

Direction: RFC-9114 -> Mythos. Scope and implementation remain independently assessed.

RFC-4271 — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0006, MYTHOS-NET-0010, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004

Direction: RFC-4271 -> Mythos. Scope and implementation remain independently assessed.

RFC-6480 — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0006, MYTHOS-NET-0010, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004

Direction: RFC-6480 -> Mythos. Scope and implementation remain independently assessed.

RFC-8205 — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0006, MYTHOS-NET-0010, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004

Direction: RFC-8205 -> Mythos. Scope and implementation remain independently assessed.

RFC-9700 — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-SEC-0011, MYTHOS-ID-0001, MYTHOS-FND-0006, MYTHOS-SEC-0013, MYTHOS-ID-0002, MYTHOS-SEC-0001

Direction: RFC-9700 -> Mythos. Scope and implementation remain independently assessed.

RFC-9449 — C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-SEC-0010, MYTHOS-SEC-0011, MYTHOS-ID-0001, MYTHOS-ID-0002, MYTHOS-SEC-0001, MYTHOS-SEC-0002

Direction: RFC-9449 -> Mythos. Scope and implementation remain independently assessed.

Directional mapping register / continued

Representative high-value targets; full mapping register accompanies the PDF

OIDC-CORE-1.0-E2

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-ID-0001, MYTHOS-ID-0002, MYTHOS-SEC-0001, MYTHOS-SEC-0002, MYTHOS-SEC-0003, MYTHOS-SEC-0004

Direction: OIDC-CORE-1.0-E2 -> Mythos. Scope and implementation remain independently assessed.

OID-FEDERATION-1.0

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-ID-0001, MYTHOS-ID-0002, MYTHOS-SEC-0011, MYTHOS-SEC-0001, MYTHOS-SEC-0002, MYTHOS-SEC-0003

Direction: OID-FEDERATION-1.0 -> Mythos. Scope and implementation remain independently assessed.

RFC-8446

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0006, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004, MYTHOS-NET-0005

Direction: RFC-8446 -> Mythos. Scope and implementation remain independently assessed.

RFC-8555

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-ID-0002, MYTHOS-SEC-0005, MYTHOS-ID-0001, MYTHOS-PLT-0001, MYTHOS-PLT-0002, MYTHOS-PLT-0003

Direction: RFC-8555 -> Mythos. Scope and implementation remain independently assessed.

RFC-9457

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-FND-0006, MYTHOS-SWE-0001, MYTHOS-WEB-0001, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003

Direction: RFC-9457 -> Mythos. Scope and implementation remain independently assessed.

IANA-REGISTRIES

C2 / STRONG | EQUIVALENCE: NONE ASSERTED

MYTHOS-FND-0006, MYTHOS-NET-0001, MYTHOS-NET-0010, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004

Direction: IANA-REGISTRIES -> Mythos. Scope and implementation remain independently assessed.

Confidence and equivalence model

Confidence describes mapping quality, not implementation quality

C3

HIGH ALIGNMENT

Primary-source scope materially overlaps the Mythos obligation or architecture subject. Directional only.

C2

STRONG SUPPORT

Authority informs implementation or assessment but differs in scope, population, granularity, or normative force.

C1

CONTEXTUAL

Useful contextual relationship; should not be used as primary evidence for a requirement.

C0

NO ASSERTED MAP

No mapping is claimed. Absence of a mapping is not evidence of incompatibility.

EXACT-EQUIVALENCE GATE

Default state: NONE ASSERTED. Exact equivalence requires clause-level comparison showing the same subject, scope, population, obligation strength, condition, exception set, and assessment expectation. No crosswalk in this release uses exact-equivalence as a shortcut to certification or compliance.

Expiration and revalidation

Every source and mapping has a time horizon and event triggers

SOURCE EXPIRATION DISTRIBUTION

Rolling catalogs, threat intelligence, certification programs, and benchmark result sets expire faster than stable published standards.

SOURCE SUPERSEDED

New revision, errata with normative impact, withdrawn standard, or new final edition.

SCOPE CHANGE

Mythos target changes scope, obligation, assessment method, or permanent identity.

CONFLICT

New authority language contradicts prior mapping assumptions or changes legal/contractual interpretation.

OPERATING CHANGE

Implementation, architecture, population, jurisdiction, or evidence basis materially changes.

Conflicts and explicit limitations

What this crosswalk cannot establish

NO CERTIFICATION	A mapping does not confer external certification, accreditation, authorization, endorsement, or assessor acceptance.
NO LEGAL CONCLUSION	Applicability of statutes, regulations, contracts, procurement clauses, sector rules, and jurisdictions requires separate qualified analysis.
NO EFFECTIVENESS CLAIM	A mapped Mythos control may be designed well and still be absent, misconfigured, stale, bypassed, or ineffective in operation.
NO REVERSE EQUIVALENCE	A Mythos control does not automatically satisfy the external authority merely because the authority maps to it.
VERSION BOUND	The mapping applies to the recorded version or snapshot. Drafts and living registries are explicitly labeled and expire quickly.
CONFLICTS STAY VISIBLE	Where authorities differ, the crosswalk records the disagreement or ambiguity; it does not silently choose the weaker interpretation.

Official source authority register

Primary sources, snapshot date, and validation boundary

RFC-8200

Internet Protocol, Version 6 - RFC 8200

https://www.rfc-editor.org/rfc/rfc8200

RFC-9293

Transmission Control Protocol - RFC 9293

https://www.rfc-editor.org/rfc/rfc9293

RFC-1035-FAMILY

Domain Names - Implementation and Specification - RFC 1035 + current DNS updates

https://www.rfc-editor.org/rfc/rfc1035

RFC-7858

DNS over TLS - RFC 7858

https://www.rfc-editor.org/rfc/rfc7858

RFC-8484

DNS Queries over HTTPS - RFC 8484

https://www.rfc-editor.org/rfc/rfc8484

RFC-9000

QUIC Transport Protocol - RFC 9000

https://www.rfc-editor.org/rfc/rfc9000

Official source authority register / continued

Primary sources, snapshot date, and validation boundary

RFC-9114

HTTP/3 - RFC 9114

https://www.rfc-editor.org/rfc/rfc9114

RFC-4271

Border Gateway Protocol 4 - RFC 4271 + updates

https://www.rfc-editor.org/rfc/rfc4271

RFC-6480

RPKI Infrastructure - RFC 6480 + updates

https://www.rfc-editor.org/rfc/rfc6480

RFC-8205

BGPsec Protocol Specification - RFC 8205

https://www.rfc-editor.org/rfc/rfc8205

RFC-9700

Best Current Practice for OAuth 2.0 Security - RFC 9700

https://www.rfc-editor.org/rfc/rfc9700

RFC-9449

OAuth 2.0 Demonstrating Proof of Possession - RFC 9449

https://www.rfc-editor.org/rfc/rfc9449

Official source authority register / continued

Primary sources, snapshot date, and validation boundary

OIDC-CORE-1.0-E2

OpenID Connect Core 1.0 - Final incorporating Errata Set 2 / 2023-12-15

https://openid.net/specs/openid-connect-core-1_0.html

OID-FEDERATION-1.0

OpenID Federation - 1.0 Final / 2026-02-17

https://openid.net/specs/openid-federation-1_0-final.html

RFC-8446

TLS 1.3 - RFC 8446

https://www.rfc-editor.org/rfc/rfc8446

RFC-8555

Automatic Certificate Management Environment - RFC 8555

https://www.rfc-editor.org/rfc/rfc8555

RFC-9457

Problem Details for HTTP APIs - RFC 9457

https://www.rfc-editor.org/rfc/rfc9457

IANA-REGISTRIES

IANA protocol parameter registries - Snapshot 2026-09-17

https://www.iana.org/protocols

Use guidance and revision record

A crosswalk is evidence about relationships, not a substitute for assessment

ASSESSMENT USE

1. Confirm the external authority is applicable. 2. Revalidate the exact version or snapshot. 3. Follow the directional mapping to candidate Mythos publications. 4. Examine implementation and operating evidence independently. 5. Record conflicts, exceptions, residual risk, and assessor interpretation. 6. Revalidate before the earliest expiry date.

CURRENT RELEASE

2.0.0-candidate

VALIDATED

2026-09-17

SCHEDULED REVIEW

2026-11-16

PUBLIC IDENTITY

AUTH-004

SOURCE LINEAGE

Regenerated from prior authority-crosswalk source lineage. Permanent public identity remains AUTH-004; the authority register was refreshed on 2026-09-17.