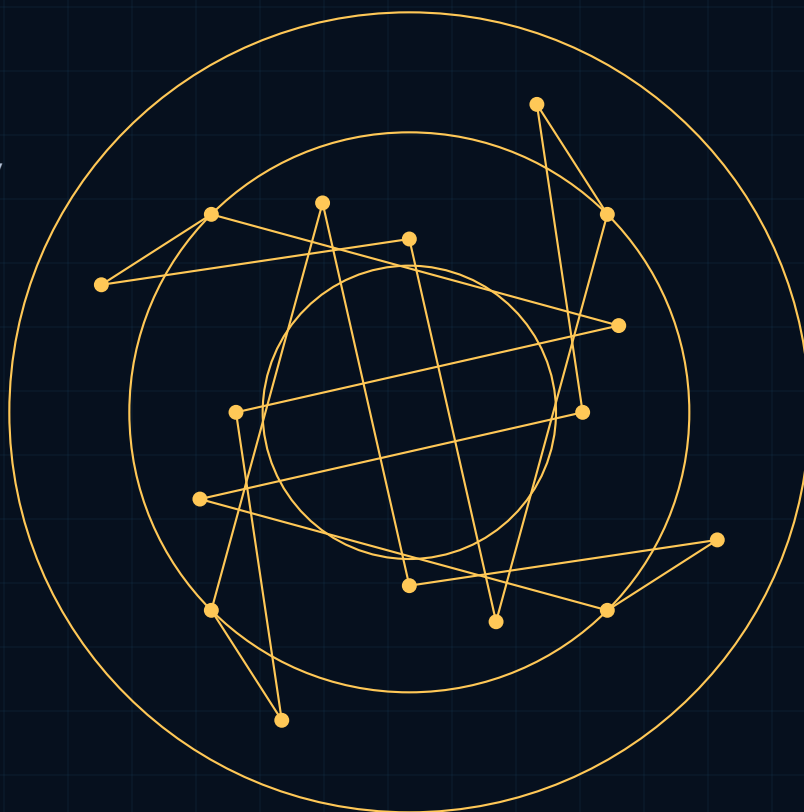


AUTH-005

IEEE, Wi-Fi Alliance, Thread, and Matter Crosswalk

IEEE / Wi-Fi Alliance / Thread Group / Connectivity Standards Alliance



MAPPING DOCTRINE

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

Publication identity

Permanent identity, mapping direction, confidence, and expiration

DOCUMENT ID

AUTH-005

VERSION

2.0.0-candidate

STATUS

Candidate Authority Crosswalk

VALIDATED

2026-09-17

SCHEDULED REVIEW

2026-11-16

AUTHORITY FAMILY

**IEEE / Wi-Fi Alliance / Thread Group /
Connectivity Standards Alliance**

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
IEEE-802.11-2024 Wireless LAN MAC and PHY Specifications	IEEE 802.11-2024 Active standard	2027-03-16 STABLE
IEEE-802.11BE-2024 Extremely High Throughput amendment	IEEE 802.11be-2024 Published amendment	2027-03-16 STABLE
IEEE-802.15.4-2024 Low-Rate Wireless Networks	IEEE 802.15.4-2024 Active standard	2027-03-16 STABLE
WFA-WIFI7 Wi-Fi CERTIFIED 7 program	Rolling certification snapshot 2026-09-17 Living program	2026-10-17 ROLLING
THREAD-1.4.1 Thread Specification	1.4.1 Current published specification	2026-12-16 MEDIUM
MATTER-1.6 Matter Specification	1.6 / 2026-06-17 Current release	2026-12-16 MEDIUM

Directional mapping register

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

IEEE-802.11-2024

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0011, MYTHOS-TEL-0002, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004

Direction: IEEE-802.11-2024 -> Mythos. Scope and implementation remain independently assessed.

IEEE-802.11BE-2024

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0011, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004, MYTHOS-NET-0005

Direction: IEEE-802.11BE-2024 -> Mythos. Scope and implementation remain independently assessed.

IEEE-802.15.4-2024

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-IOT-0001, MYTHOS-NET-0011, MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004

Direction: IEEE-802.15.4-2024 -> Mythos. Scope and implementation remain independently assessed.

WFA-WIFI7

C2 / STRONG | EQUIVALENCE: NONE ASSERTED

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

Direction: WFA-WIFI7 -> Mythos. Scope and implementation remain independently assessed.

THREAD-1.4.1

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

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

Direction: THREAD-1.4.1 -> Mythos. Scope and implementation remain independently assessed.

MATTER-1.6

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-IOT-0001, MYTHOS-OT-0001, MYTHOS-SEC-0001, MYTHOS-SEC-0002, MYTHOS-SEC-0003, MYTHOS-SEC-0004

Direction: MATTER-1.6 -> 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

IEEE-802.11-2024

Wireless LAN MAC and PHY Specifications - IEEE 802.11-2024

<https://standards.ieee.org/ieee/802.11/10548/>

IEEE-802.11BE-2024

Extremely High Throughput amendment - IEEE 802.11be-2024

<https://standards.ieee.org/ieee/802.11be/7516/>

IEEE-802.15.4-2024

Low-Rate Wireless Networks - IEEE 802.15.4-2024

<https://standards.ieee.org/ieee/802.15.4/10511/>

WFA-WIFI7

Wi-Fi CERTIFIED 7 program - Rolling certification snapshot 2026-09-17

<https://www.wi-fi.org/discover-wi-fi/wi-fi-certified-7>

THREAD-1.4.1

Thread Specification - 1.4.1

<https://www.threadgroup.org/support#specifications>

MATTER-1.6

Matter Specification - 1.6 / 2026-06-17

<https://csa-iot.org/newsroom/matter-1-6/>

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-005

SOURCE LINEAGE

Regenerated from prior authority-crosswalk source lineage. Permanent public identity remains AUTH-005; the authority register was refreshed on 2026-09-17.