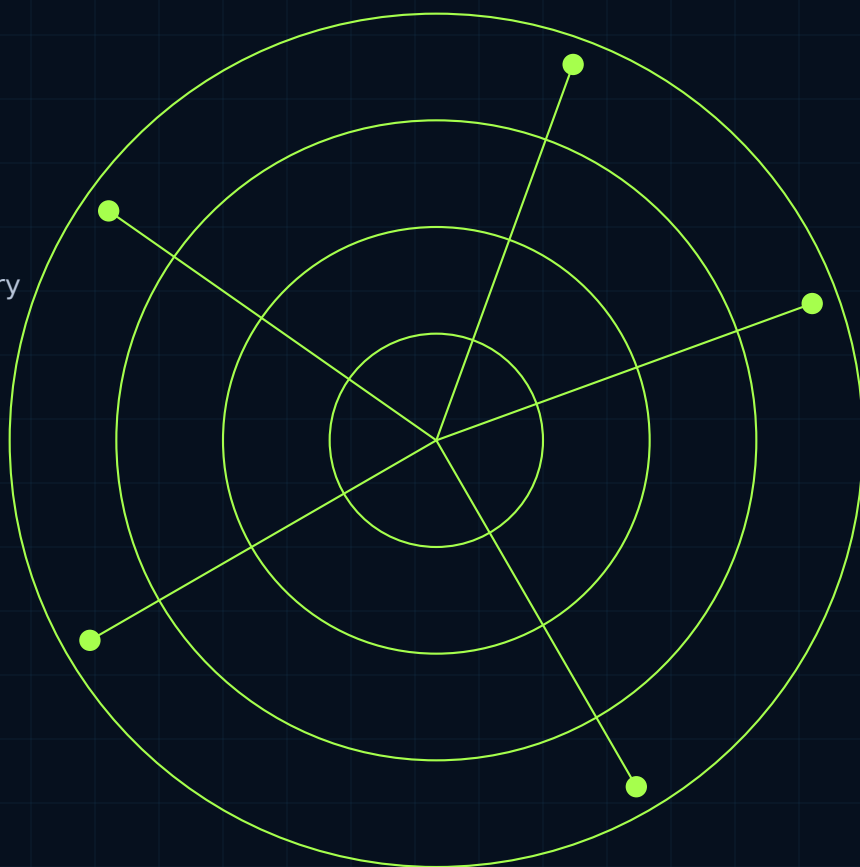


AUTH-009

External Benchmark and Industry Measurement Crosswalk

MLCommons / SPEC / TPC / IETF BMWG / industry
benchmark programs



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-009

VERSION

2.0.0-candidate

STATUS

Candidate Authority Crosswalk

VALIDATED

2026-09-17

SCHEDULED REVIEW

2026-11-16

AUTHORITY FAMILY

**MLCommons / SPEC / TPC / IETF BMWG /
industry benchmark programs**

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
MLPERF-INFERENCE-6.1 MLPerf Inference	v6.1 / 2026-09-16 Current release	2026-10-17 HIGH
MLPERF-TRAINING-6.0 MLPerf Training	v6.0 / 2026-06-16 Current release	2026-11-16 HIGH
MLPERF-ENDPOINTS-0.7 MLPerf Client / Endpoints	v0.7 / 2026-07-28 Current release	2026-11-16 HIGH
MLPERF-STORAGE-2.0 MLPerf Storage	2.0 Published benchmark	2026-12-16 MEDIUM
SPEC-CPU-2026 SPEC CPU 2026	2026 suite / released May 2026 Current suite	2026-12-16 MEDIUM
SPEC-WORKSTATION-4.0 SPECworkstation	4.0 Current published suite	2026-12-16 MEDIUM
SPEC-STORAGE-2020 SPECstorage Solution 2020	2020 Published suite	2027-03-16 STABLE
TPC-C TPC-C	Current specification snapshot 2026-09-17 Living benchmark program	2026-11-16 ROLLING

Current authority/version register / continued

Exact version pins or dated rolling snapshots

ID / SOURCE	VERSION / STATUS	VALID THROUGH
TPC-E TPC-E	Current specification snapshot 2026-09-17 Living benchmark program	2026-11-16 ROLLING
TPC-DS TPC-DS	Current specification snapshot 2026-09-17 Living benchmark program	2026-11-16 ROLLING
TPCX-AI TPCx-AI	Current specification snapshot 2026-09-17 Living benchmark program	2026-11-16 ROLLING
IETF-BMWG IETF Benchmarking Methodology Working Group	Rolling RFC / draft snapshot 2026-09-17 Living standards family	2026-10-17 ROLLING
WFA-MEASUREMENT Wi-Fi Alliance certification / measurement programs	Snapshot 2026-09-17 Living program	2026-10-17 ROLLING

Directional mapping register

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

MLPERF-INFERENCE-6.1

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-AI-0001, MYTHOS-AI-0004, MYTHOS-AI-0005, MYTHOS-AI-0008, MYTHOS-AI-0014, MYTHOS-AI-0002

Direction: MLPERF-INFERENCE-6.1 -> Mythos. Scope and implementation remain independently assessed.

MLPERF-TRAINING-6.0

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

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

Direction: MLPERF-TRAINING-6.0 -> Mythos. Scope and implementation remain independently assessed.

MLPERF-ENDPOINTS-0.7

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-AI-0014, MYTHOS-HW-0001, MYTHOS-END-0001, MYTHOS-IOT-0001, MYTHOS-AI-0001, MYTHOS-AI-0002

Direction: MLPERF-ENDPOINTS-0.7 -> Mythos. Scope and implementation remain independently assessed.

MLPERF-STORAGE-2.0

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-AI-0001, MYTHOS-AI-0004, MYTHOS-AI-0005, MYTHOS-DBS-0002, MYTHOS-DBS-0003, MYTHOS-AI-0002

Direction: MLPERF-STORAGE-2.0 -> Mythos. Scope and implementation remain independently assessed.

SPEC-CPU-2026

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

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

Direction: SPEC-CPU-2026 -> Mythos. Scope and implementation remain independently assessed.

SPEC-WORKSTATION-4.0

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-HW-0001, MYTHOS-HW-0002, MYTHOS-SWE-0001, MYTHOS-SWE-0002, MYTHOS-SWE-0003, MYTHOS-SWE-0004

Direction: SPEC-WORKSTATION-4.0 -> Mythos. Scope and implementation remain independently assessed.

Directional mapping register / continued

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

SPEC-STORAGE-2020

C3 / HIGH | EQUIVALENCE: NONE ASSERTED

MYTHOS-DBS-0002, MYTHOS-DBS-0003, MYTHOS-DBS-0001, MYTHOS-HW-0001, MYTHOS-HW-0002, MYTHOS-SRE-0001

Direction: SPEC-STORAGE-2020 -> Mythos. Scope and implementation remain independently assessed.

TPC-C

C2 / STRONG | EQUIVALENCE: NONE ASSERTED

MYTHOS-DBS-0001, MYTHOS-CLD-0001, MYTHOS-CLD-0002, MYTHOS-CLD-0003, MYTHOS-CLD-0004, MYTHOS-CLD-0005

Direction: TPC-C -> Mythos. Scope and implementation remain independently assessed.

TPC-E

C2 / STRONG | EQUIVALENCE: NONE ASSERTED

MYTHOS-DBS-0001, MYTHOS-CLD-0001, MYTHOS-CLD-0002, MYTHOS-CLD-0003, MYTHOS-CLD-0004, MYTHOS-CLD-0005

Direction: TPC-E -> Mythos. Scope and implementation remain independently assessed.

TPC-DS

C2 / STRONG | EQUIVALENCE: NONE ASSERTED

MYTHOS-DAT-0001, MYTHOS-DBS-0001, MYTHOS-CLD-0001, MYTHOS-CLD-0002, MYTHOS-CLD-0003, MYTHOS-CLD-0004

Direction: TPC-DS -> Mythos. Scope and implementation remain independently assessed.

TPCX-AI

C2 / STRONG | EQUIVALENCE: NONE ASSERTED

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

Direction: TPCX-AI -> Mythos. Scope and implementation remain independently assessed.

IETF-BMWG

C2 / STRONG | EQUIVALENCE: NONE ASSERTED

MYTHOS-NET-0001, MYTHOS-NET-0002, MYTHOS-NET-0003, MYTHOS-NET-0004, MYTHOS-NET-0007, MYTHOS-NET-0008

Direction: IETF-BMWG -> Mythos. Scope and implementation remain independently assessed.

Directional mapping register / continued

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

WFA-MEASUREMENT

C2 / STRONG | EQUIVALENCE: NONE ASSERTED

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

Direction: WFA-MEASUREMENT -> 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

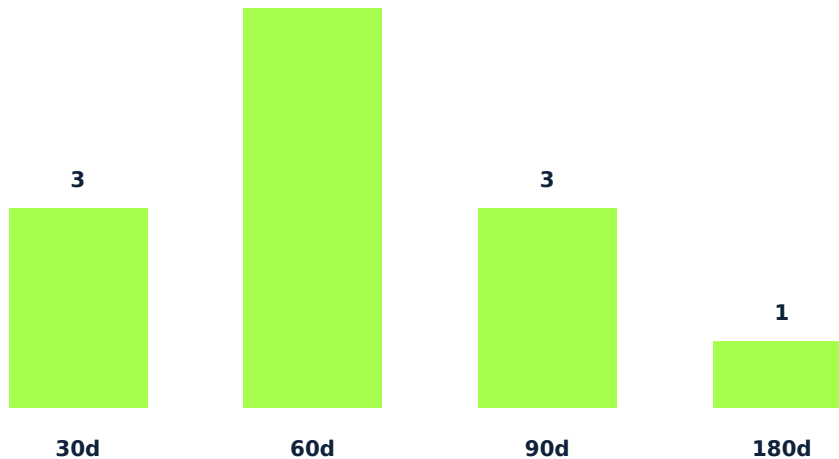
Default state: NONE ASSERTED. Exact equivalence requires clause-level comparison showing the same subject, scope, population, obligation strength, condition, exception set, and assessment expectation. No crosswalk in this release uses exact-equivalence as a shortcut to certification or compliance.

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. **6**



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

MLPERF-INFERENCE-6.1

MLPerf Inference - v6.1 / 2026-09-16

<https://mlcommons.org/benchmarks/inference-datacenter/>

MLPERF-TRAINING-6.0

MLPerf Training - v6.0 / 2026-06-16

<https://mlcommons.org/benchmarks/training/>

MLPERF-ENDPOINTS-0.7

MLPerf Client / Endpoints - v0.7 / 2026-07-28

<https://mlcommons.org/benchmarks/client/>

MLPERF-STORAGE-2.0

MLPerf Storage - 2.0

<https://mlcommons.org/benchmarks/storage/>

SPEC-CPU-2026

SPEC CPU 2026 - 2026 suite / released May 2026

<https://www.spec.org/cpu2026/>

SPEC-WORKSTATION-4.0

SPECworkstation - 4.0

<https://www.spec.org/gwpg/gpc.static/workstation40.html>

Official source authority register / continued

Primary sources, snapshot date, and validation boundary

SPEC-STORAGE-2020

SPECstorage Solution 2020 - 2020

<https://www.spec.org/storage2020/>

TPC-C

TPC-C - Current specification snapshot 2026-09-17

<https://www.tpc.org/tpcc/>

TPC-E

TPC-E - Current specification snapshot 2026-09-17

<https://www.tpc.org/tpce/>

TPC-DS

TPC-DS - Current specification snapshot 2026-09-17

<https://www.tpc.org/tpcds/>

TPCX-AI

TPCx-AI - Current specification snapshot 2026-09-17

<https://www.tpc.org/tpcx-ai/>

IETF-BMWG

IETF Benchmarking Methodology Working Group - Rolling RFC / draft snapshot 2026-09-17

<https://datatracker.ietf.org/wg/bmwg/documents/>

Official source authority register / continued

Primary sources, snapshot date, and validation boundary

WFA-MEASUREMENT

Wi-Fi Alliance certification / measurement programs - Snapshot 2026-09-17

<https://www.wi-fi.org/certification>

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-009

SOURCE LINEAGE

Regenerated from prior authority-crosswalk source lineage. Permanent public identity remains AUTH-009; the authority register was refreshed on 2026-09-17.