



MYTHOS-LIB-TAX-0001

Engineering Standards Library Taxonomy

Defines the permanent taxonomy, publication classes, series codes, naming rules, tags, audiences, relationships, assurance states, and web information architecture used across the library.

11	26	19
CATEGORIES	STANDARD SERIES	CLASSES

CANDIDATE LIBRARY TAXONOMY

Mythos Systems | Permanent ID | 17 September 2026

This candidate publication is complete for structured technical review. It does not by itself establish certification, legal compliance, implementation conformance, benchmark reproduction, or final approval.

PERMANENT PUBLICATION IDENTITY

Engineering Standards Library Taxonomy

MYTHOS-LIB-TAX-0001 / Library Taxonomy

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Public identity	Permanent ID; production workflow metadata excluded

Publication position

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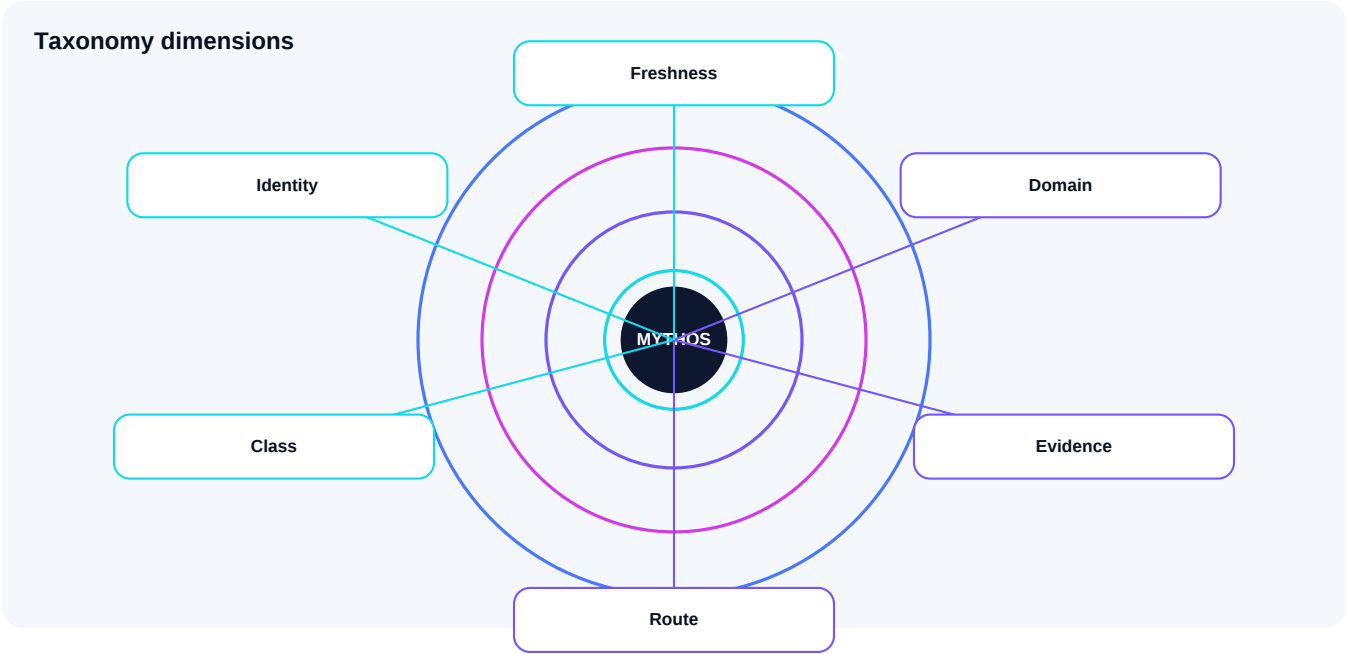
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1. Taxonomy purpose

The taxonomy provides the controlled vocabulary and relationship model used to classify every public Mythos publication. It exists to keep permanent identity, domain placement, publication class, lifecycle state, evidence posture, and web navigation coherent as the library grows.



2. Top-level public categories

Category	Records	Purpose
Authority Crosswalks	9	Directional mappings to external authorities.
Comparative Evaluations	8	Decision support under declared profiles and evidence.
Executive Reports	10	Leadership synthesis and portfolio governance.
Guides and Handbooks	29	Integrated implementation and operations paths.
Library and Registry	4	Library control plane, catalog, identity, and information architecture.
Methods and Governance	3	Reusable evaluation/governance methods.
Portfolio Editions	11	Curated combined editions for review and navigation.
Reference Architectures	20	Reusable architecture patterns and verification plans.
Research	33	Evidence synthesis and adoption intelligence.
Source Reconciliation	2	Lineage and completeness evidence.
Standards	121	Normative engineering requirements and assessment criteria.

3. Normative standard series

Series	Domain	Standards	Primary Identity
AI	Artificial Intelligence	15	MYTHOS-AI-NNNN
CLD	Cloud Engineering	11	MYTHOS-CLD-NNNN
DAT	Data, State, and Evidence	5	MYTHOS-DAT-NNNN
DBS	Database and Storage	3	MYTHOS-DBS-NNNN
DST	Distributed Systems	2	MYTHOS-DST-NNNN
EDU	Learning and Workforce	1	MYTHOS-EDU-NNNN
EMT	Emerging Technology	4	MYTHOS-EMT-NNNN
END	Endpoint Engineering	1	MYTHOS-END-NNNN
FND	Foundation and Governance	10	MYTHOS-FND-NNNN
GRC	Governance, Risk, and Compliance	2	MYTHOS-GRC-NNNN
HW	Hardware and Trusted Compute	2	MYTHOS-HW-NNNN
ID	Identity and Access	2	MYTHOS-ID-NNNN
IOT	IoT and Edge Sensors	1	MYTHOS-IOT-NNNN
KNW	Knowledge and Grounding	2	MYTHOS-KNW-NNNN
MED	Realtime Media	1	MYTHOS-MED-NNNN
NET	Network Engineering	11	MYTHOS-NET-NNNN
OT	Operational Technology	1	MYTHOS-OT-NNNN
PLT	Platform Engineering	6	MYTHOS-PLT-NNNN
QTC	Quantum Technology	3	MYTHOS-QTC-NNNN
ROB	Physical AI and Robotics	1	MYTHOS-ROB-NNNN
SEC	Cybersecurity and Network Security	17	MYTHOS-SEC-NNNN
SRE	Reliability Engineering	3	MYTHOS-SRE-NNNN
SWE	Software Engineering	9	MYTHOS-SWE-NNNN
TEL	Telecommunications	3	MYTHOS-TEL-NNNN
UX	User Experience and Human-System Interaction	4	MYTHOS-UX-NNNN
WEB	Web Runtime Engineering	1	MYTHOS-WEB-NNNN

4. Publication classes

Publication class describes what a document is allowed to claim and how it should be used. Class is independent of domain: a network research report is still Research Report, not a Standard.

Class	Operating meaning
Architecture Compendium	Curated architecture family map and implementation relationships.
Architecture Roadmap	Future architecture coverage plan and publication sequencing.
Authority Crosswalk	Directional mapping to external authorities with version, confidence, limitations, and expiration.
Benchmark Method	Evaluation method, scoring/evidence doctrine, and reproducibility requirements.
Comparative Evaluation	Profile-specific evaluation under declared gates, weights, evidence confidence, and lifecycle risk.
Engineering Guide	Integrated reading, implementation, operations, and maturity path across multiple publications.
Evaluation Compendium	Integrated comparative-evaluation family guide.
Executive Portfolio	Leadership synthesis and portfolio-level adoption context.
Executive Report	Consolidated strategic synthesis across the permanent library.
Governance Method	Reusable governance process and lifecycle controls.

Class	Operating meaning
Library Registry	Canonical inventory and lifecycle source of truth.
Library Taxonomy	Controlled vocabulary and information architecture.
Portfolio Edition	Curated combined edition for navigation and review.
Reference Architecture	Reusable architecture context, component model, flows, failure modes, deployment profiles, and verification.
Research Annex	Domain integration of research results and adoption posture.
Research Report	Time-bounded evidence synthesis, limitations, adoption posture, and validation plan.
Source Reconciliation Audit	Source lineage, disposition, conflict, and completeness evidence.
Standard	Normative engineering requirements, evidence, assessment, exceptions, and lifecycle controls.
Web Catalog	Public route, metadata, search, accessibility, and publication-detail contract.

5. Permanent identity grammar

Element	Rule	Example
Document ID	Stable uppercase series and zero-padded sequence.	MYTHOS-NET-0005
Public filename	Permanent ID + readable title; no workflow identity.	MYTHOS-NET-0005_Source-of-Truth-and-Drift-Reconciliation-Standard.pdf
Canonical route	Category/domain path + lowercase permanent ID.	/library/standards/network-engineering/mythos-net-0005/
Revision	Metadata and document control, not the permanent ID.	1.0.0-candidate
Supersession	Explicit lineage link; old identity is retained as historical.	superseded_by -> <ID>

Identity boundary

Production run names, package sequence numbers, temporary labels, and build-wave terminology are private workflow data. They are not public taxonomy and must not appear in visible publication identity or machine-readable public metadata.

6. Lifecycle states

State	Meaning
Candidate	Complete enough for structured technical review; not final approval or certification.
Current / Approved	Formally approved under the program-specific authority process, if such a process exists.
Superseded	Replaced by an explicit successor; retained for lineage and historical reference.
Withdrawn	No longer recommended or valid for current use; reason and replacement are recorded.
Historical	Preserved for provenance but excluded from current navigation by default.

7. Evidence and authority taxonomy

Preferred evidence basis by claim type				
	Primary	Reproduced	Observed	Interpretive
Protocol / standard claim				
Benchmark claim				
Operational pattern				
Research adoption posture				
Crosswalk mapping				

Primary-source authority is preferred for standards, protocols, legal/regulatory text, and official product/version behavior. Reproduced laboratory evidence is preferred for benchmark and implementation claims. Mythos synthesis is explicitly labeled as interpretation and does not inherit the authority of a cited source.

8. Freshness model

Priority	Typical cadence	Trigger examples
High	60-90 days	Rapid standards evolution, AI models, security threats, active regulatory/contractual change.
Medium	120-180 days	Engineering guidance, tools, reference architectures, web/UX practices.
Baseline	365 days or event-driven	Foundational governance, stable methods, identity/taxonomy control plane.

9. Tagging doctrine

Tags are controlled discovery aids, not substitutes for domain or publication class. Tags should describe subject matter, audience, technology family, assurance concern, or operational use. Temporary production labels, internal project names, and duplicated synonyms are excluded from public tags.

Required tag properties

Property	Rule
Lowercase	Machine-readable tags use lowercase kebab-case.
Controlled	Prefer cataloged vocabulary; add new tags only when they improve discovery.
Non-authoritative	Tags do not change normative scope or publication status.
Stable	Renaming a tag requires redirect/alias handling in the web index when materially used.
No workflow leakage	Temporary package/run labels are never public tags.

10. Relationship vocabulary

Relationship	Meaning
depends_on	Implementation depends on another publication or authority.
implements	Publication provides implementation detail for a higher-level requirement.
maps_to	Directional relationship to an authority or taxonomy target; not equivalence by default.
validated_by	Named laboratory, test, benchmark, or evidence method supports the claim.
supersedes / superseded_by	Explicit version/identity replacement relationship.
related_to	Useful contextual connection without dependency or equivalence.

11. Public metadata schema

Field	Required	Purpose
id	Yes	Permanent identity
title	Yes	Canonical human-readable title
publication_class	Yes	Claim/use boundary
category / subcategory	Yes	Navigation placement
status	Yes	Lifecycle position
summary	Yes	Site-ready description
tags	Yes	Controlled discovery vocabulary
audiences	Recommended	Primary reader groups
canonical_route	Yes	Stable public URL path
authority_validation_date	When external claims exist	Freshness traceability
review_or_expiration_date	Yes	Revalidation trigger
sha256	Release artifact	Integrity and exact-file binding

12. Web information architecture

Catalog rendering path



13. Acceptance gate

A taxonomy revision is acceptable only when every active publication can be represented without ambiguity, public identity remains stable, categories and series do not collide, machine-readable metadata validates, and the website can derive navigation without private workflow knowledge.