



MYTHOS-LIB-EXEC-0001

Consolidated Engineering Standards Library Executive Report

Executive synthesis of the entire Mythos Engineering Standards Library, including coverage, governance, assurance posture, adoption priorities, gaps, maintenance obligations, and strategic decisions.



CANDIDATE EXECUTIVE REPORT

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

Consolidated Engineering Standards Library Executive Report

MYTHOS-LIB-EXEC-0001 / Executive Report

Field	Value
Document ID	MYTHOS-LIB-EXEC-0001
Publication class	Executive Report
Status	Candidate Executive Report
Release date	2026-09-17
Canonical route	/library/library-and-registry/mythos-lib-exec-0001/
Refresh cadence	180 days
Public identity	Permanent ID; production workflow metadata excluded

Publication position

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1. Executive position

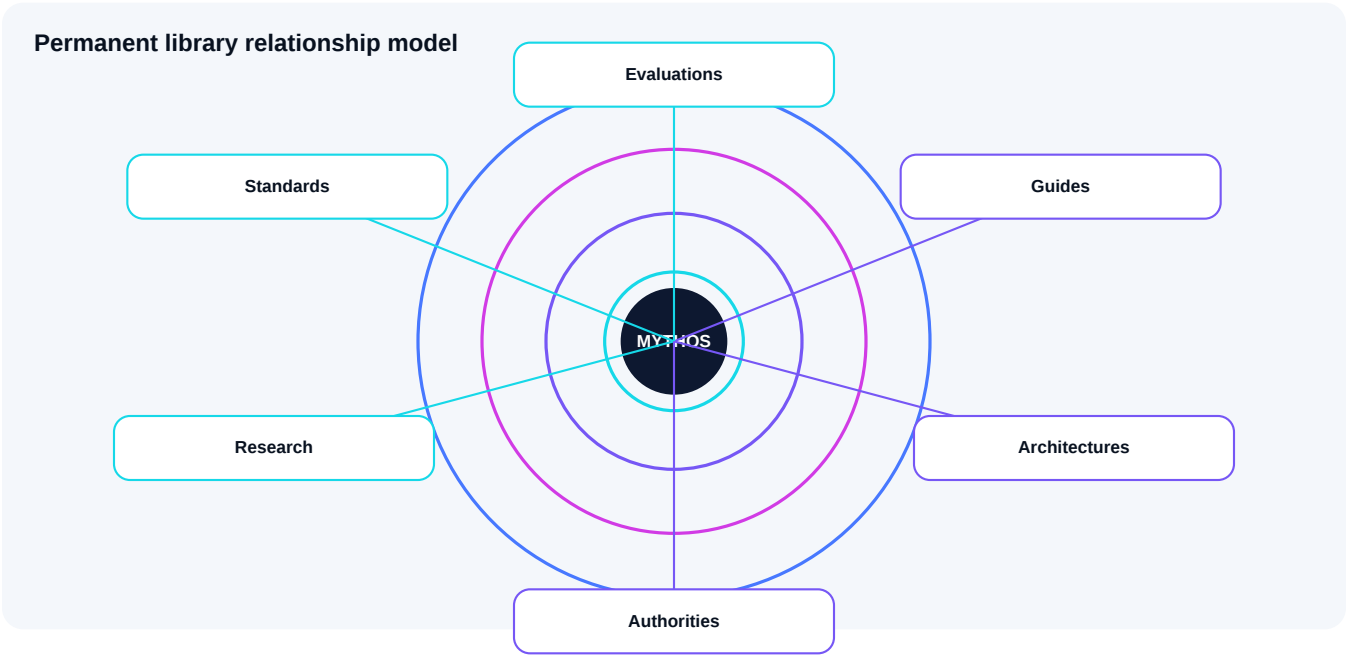
The Mythos Engineering Standards Library is operated as a permanent, evidence-bound technical publication system rather than a collection of disconnected reports. This edition is generated from the locked regeneration master catalog after completion of the preceding domain, reference-architecture, comparative-evaluation, research, and authority-crosswalk workstreams.



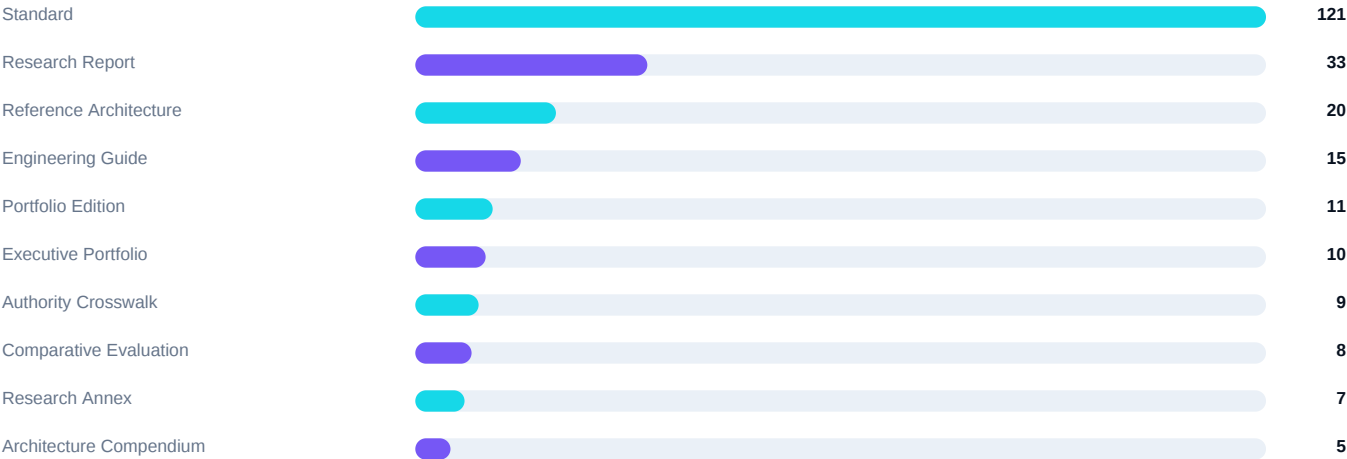
Baseline lock

The release baseline contains **250 permanent publication identities**. Any later addition, removal, supersession, merge, or split requires a registry revision; it must not be silently absorbed into this snapshot.

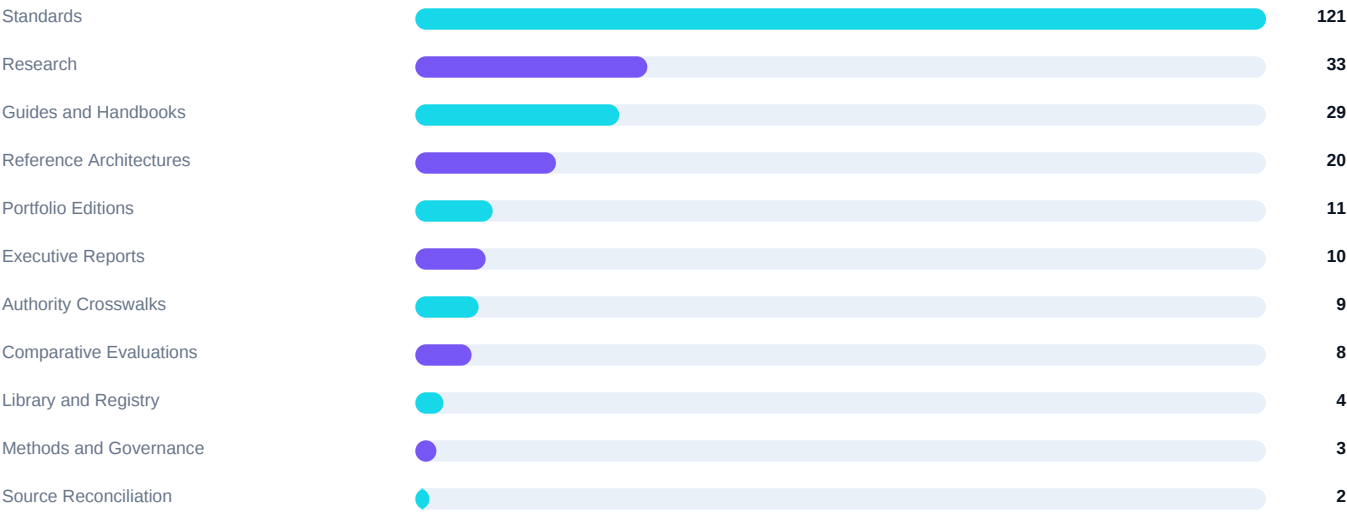
2. Portfolio architecture



Publication classes in the locked baseline



Permanent library categories



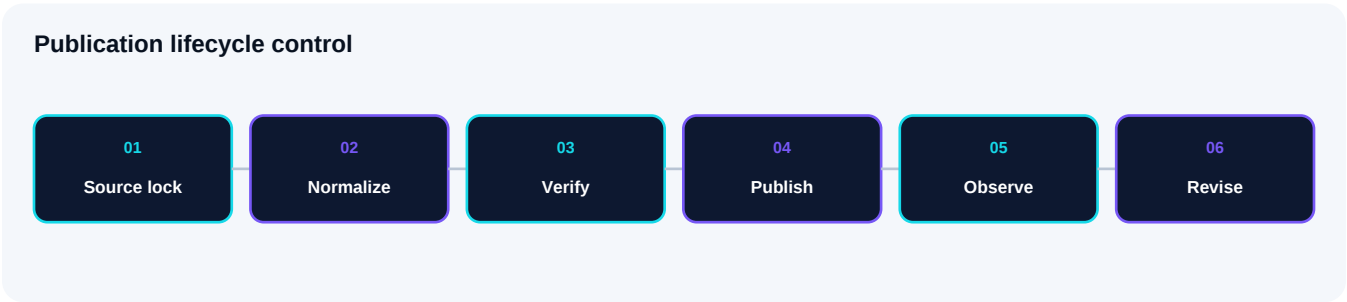
3. Normative coverage

The normative core contains 121 candidate standards across 26 permanent series. Series identity is stable even when individual publications are revised. Domain boundaries are deliberately porous: a standard may be primary to one series while depending on identity, evidence, platform, networking, security, data, governance, or user-experience controls from another.

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

4. Library control plane

The library control plane is carried by the master registry, taxonomy, permanent document identity rules, source lineage, web catalog, authority freshness records, QA evidence, and cryptographic release manifests. These mechanisms separate publication identity from production workflow and prevent transient build labels from becoming public taxonomy.



Required invariants

Invariant	Operational meaning
Permanent identity	A document ID and canonical route survive ordinary revision.
Source-bound evidence	Claims are attributable to source authority, reproduced evidence, or explicit Mythos interpretation.
Candidate boundary	Candidate status does not imply certification, legal compliance, or implementation effectiveness.
Freshness	Volatile authorities, products, research, and security claims expire or trigger revalidation.
Reproducibility	Benchmarks and laboratory claims identify methods, environment, limitations, and evidence.
Supersession	Replacement is explicit and discoverable; stale editions are not silently presented as current.

5. Governance, risk, and compliance series

Governance, Risk, and Compliance is now represented as a permanent canonical series, not an annex or production artifact. The series includes MYTHOS-GRC-0001 and MYTHOS-GRC-0002, with version-pinned authority registers, explicit draft/final distinctions, evidence requirements, assessment procedures, and claim boundaries.

ID	Title	Refresh
MYTHOS-GRC-0001	Federal, DoD, and Sovereign Compliance Standard	90d
MYTHOS-GRC-0002	AI Governance, Privacy, and Risk Management Standard	90d

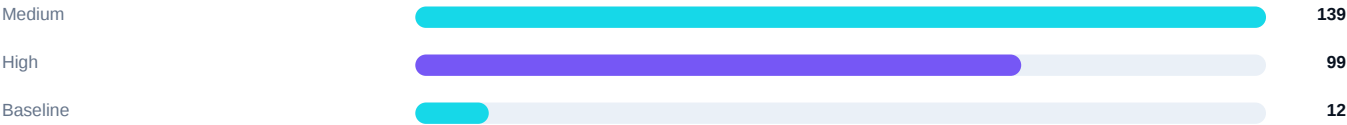
6. User experience and human-system interaction series

User Experience and Human-System Interaction is likewise a permanent normative series. Its four standards cover AI-native high-density interfaces, human-in-the-loop approval, controlled visual-state language, and spatial/WebGPU integration. Accessibility and operator authority are treated as engineering properties rather than cosmetic review items.

ID	Title	Refresh
MYTHOS-UX-0001	AI-Native Interface, High-Density Data, and Accessibility Standard	180d
MYTHOS-UX-0002	Human-in-the-Loop Approval Workflow Standard	180d
MYTHOS-UX-0003	Cyberpunk-Noir Aesthetic and Visual State Standard	180d
MYTHOS-UX-0004	Spatial Computing and WebGPU/wgpu Integration Standard	180d

7. Freshness and maintenance posture

Refresh priority distribution



Cadence	Publications	Interpretation
60 days	12	Highly volatile
90 days	87	Quarterly / high-change
120 days	16	Four-month
180 days	123	Semiannual
365 days	12	Annual / stable baseline

8. Current authority watchpoints

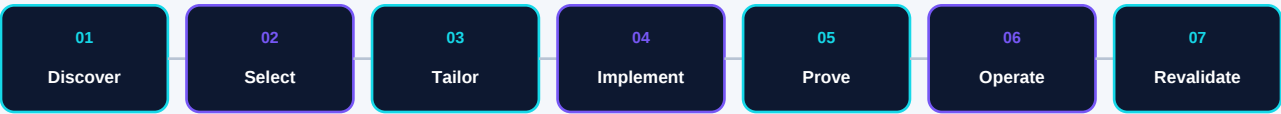
Several authorities in the GRC and UX series are intentionally time-bounded. NIST AI RMF 1.0 is being revised; NIST Privacy Framework 1.1 remains an Initial Public Draft; WebGPU remains on the Candidate Recommendation track; and CMMC implementation sequencing changed in July 2026. These conditions are recorded as freshness triggers rather than silently normalized away.

Authority	Status	Validated
SP 800-171 Rev. 3 - Protecting Controlled Unclassified Information in Nonfederal Systems and Organizations	Final	2026-09-17
Cybersecurity Maturity Model Certification (CMMC) program and DFARS implementation	Volatile - implementation sequencing under review	2026-09-17
Artificial Intelligence Risk Management Framework (AI RMF 1.0)	Published; revision in progress	2026-09-17
NIST AI 600-1 - Generative Artificial Intelligence Profile	Final profile	2026-09-17
Privacy Framework 1.1	Draft - not final	2026-09-17

Authority	Status	Validated
Web Content Accessibility Guidelines (WCAG) 2.2	W3C Recommendation	2026-09-17
Accessible Rich Internet Applications (WAI-ARIA) 1.2	W3C Recommendation	2026-09-17
WebGPU	Candidate Recommendation Draft	2026-09-17

9. Adoption model

Evidence-backed adoption sequence



Adoption begins with applicability and authoritative scope, then moves through implementation, negative testing, operational proof, and periodic revalidation. A crosswalk or candidate standard may inform a program, but it does not independently establish certification, legal compliance, or effective implementation.

10. Executive decisions

Decision	Required posture
Library ownership	Maintain one accountable control-plane owner with domain stewards for each series.
Publication gating	Keep candidate status until editorial, technical, evidence, and authority review are complete.
Automation	Automate catalog, checksum, link, metadata, and forbidden-label QA; retain human approval for release.
Authority changes	Treat version change, draft-to-final transition, material policy change, and source withdrawal as review triggers.
Website	Render public navigation from the machine-readable registry rather than hand-maintained pages.

11. Limitations and boundary statement

The library synthesizes engineering practice and source authorities across many domains. It does not replace environment-specific design review, product documentation, legal advice, contractual interpretation, safety certification, or independent assessment. Publication status describes the document, not the compliance, security, quality, or readiness of an implementation.