

ODA3 INSTITUTE

CHANGE HISTORY / RELEASE NOTES

PAI-SF™ Change History and Release Notes

Physical AI Security Framework v1.0 — Initial Release Record

ODA3-2026-07-REL-PAISF-010 | Public-Facing — Publication Family Release Record

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Document Control

Doc ID	ODA3-2026-07-REL-PAISF-010
Doc Type	Change History / Release Notes
Framework Tag	PAI-SF™ v1.0
Governing Licence	GAISSF Ecosystem Licence (GEL v1.0)
Access Classification	Open / Public — release-tracking reference
Publication State	Publication Candidate — pending formal publish action
Publish Date / Review Cycle	01 August 2026 (content finalized pending Section 3 numbering confirmation); publication date to be confirmed
Classification	Public-Facing — Publication Family Release Record

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Physical AI Security Framework v1.0 — Initial Release Record

Release Position

This document records the initial PAI-SF™ v1.0 publication baseline and the maturation of the framework into a documentation family. It does not create a new framework version and does not imply prior public releases.

1. Release Basis

PAI-SF™ v1.0 is ODA3 Institute's fourth core framework for AI-security assurance in systems where sensing, inference, autonomy, and actuation can produce physical consequences. The release baseline is 12 domains and 41 controls. This record exists to make the publication family traceable as the framework is separated from the original TCR into normative, catalogue, summary, quick-start, glossary, crosswalk, sector, and assurance assets.

Release Item	Baseline
Framework name	Physical AI Security Framework
Short name	PAI-SF™
Version	v1.0
Canonical structure	12 domains; 41 controls
Core assurance principle	Kinetic Zero Trust
Status of this record	Initial release baseline; not a revision sequence
Evidence discipline	Claims remain source-tiered and bounded; missing claims are stated under Notably Absent.

2. Completed Documentation Family

The following artifacts form the completed publication-supporting set as of this release record. The status column records document-family completion only; it is not a certification or regulator-recognition claim.

ID	Document	Function	Status
TCR-PAISF-001	Technical + Compliance Report	Original framework narrative, research basis, domain architecture, full 41-control register, and appendices.	Complete
EXB-PAISF-001	Executive Brief	Board and senior-leadership brief describing the physical-AI assurance problem and ODA3 positioning.	Complete
MEMO-PAISF-002	Defensive Publication Candidate Analysis	Internal IP strategy memo identifying which controls are candidates for defensive patent publication. Not part of the public documentation set — permanently Controlled/Internal, regardless of the general PAI-SF publication timeline. Listed here for registry completeness only.	Complete — Internal Only, Never Public
MEMO-PAISF-003	Documentation Maturity Gap Assessment	Identifies the documentation gaps required to mature PAI-SF into an ecosystem-level framework family.	Complete
CSX-PAISF-004	GAISSF Domain 9 to PAI-SF Control Crosswalk	Maps each of GAISSF Domain 9's 7 controls to specific PAI-SF controls, control-by-control, while avoiding live-site update claims.	Complete; GAISSF D9 source titles confirmed accurate
NOR-PAISF-005	Framework Standard	Separates the normative PAI-SF core from the TCR narrative wrapper.	Complete
CAT-PAISF-006	Control Catalogue	Publishes the 41 controls as a standalone, full 10-field searchable catalogue.	Complete
EXS-PAISF-007	Executive Summary	Normative-adjacent short summary distinct from the board-facing brief.	Complete
QSG-PAISF-008	Quick Start Guide	Practitioner onboarding guide for scoping, readiness, and starter	Complete

ID	Document	Function	Status
		evidence collection across all 12 domains.	
GLO-PAISF-009	Glossary	Standalone terminology reference for PAI-SF and related ecosystem terms.	Complete

3. Remaining Build Items

Numbering flag pending confirmation: an earlier documentation plan proposed 5 sector guides (Robotics/Industrial, Autonomous Vehicles, Drones and Uncrewed Systems, Medical Robotics, Smart Infrastructure) and a different ID scheme for several remaining items (AMD/SMR/JSC rather than ASM/RUB/SCH), plus additional items (Assessment Intake Questionnaire, Evidence Request List, Assessment Readiness Checklist, Website Publication Package, Launch Communications Package) not reflected below. This section is held pending confirmation of which numbering scheme is authoritative before being finalized.

(Table intentionally omitted from this revision pending that confirmation — see companion note to ODA3 leadership.)

4. What Did Not Change

Item	Release Note
Framework scope	PAI-SF remains focused on AI-security assurance for systems where sensing, inference, autonomy, and actuation can create physical consequences.
Domain / control count	The canonical public structure remains 12 domains and 41 controls.
GAISSF relationship	GAISSF Domain 9 is preserved for citation continuity; PAI-SF supersedes and expands the physical-AI security-assurance layer, per the confirmed decision (not yet executed on the live GAISSF page).
Licensing boundary	Public-use reference material does not authorize unrestricted commercial delivery, assessment, certification, or software embedding.
Safety boundary	PAI-SF interfaces with functional safety practice but does not replace sector safety standards or safety certification regimes.

5. Notably Absent

The following are intentionally recorded as absent from this release record to avoid overstating PAI-SF's market, legal, standards, or certification posture.

Absent Claim	Clarification
No regulator recognition claim	This release record does not claim that PAI-SF has been adopted, approved, or recognized by any regulator or standards body.

Absent Claim	Clarification
No certification launch claim	This release record does not claim that ODA3 currently issues PAI-SF certifications.
No live-site synchronization claim	This release record does not claim that every live GAISSE ecosystem page has already been updated to reflect PAI-SF.

6. Release-Control Notes

Future updates should distinguish between framework-version changes and documentation-family additions. A new guidance document, sector note, FAQ, or schema file does not by itself change PAI-SF v1.0 unless it alters the canonical framework scope, domain architecture, control count, control meaning, or conformance boundary.

Next Expected Artifact

Pending resolution of the Section 3 numbering question, the next backlog item is the standalone Standards Crosswalk publication.