

ODA3 INSTITUTE

CROSSWALK

GAISSF™—NIST AI RMF Mapping

AI Risk Management Framework Alignment Crosswalk — NIST AI 100-1

GAISSF-CRO-022 | Informative crosswalk | Draft for Publication

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GAISSF-CRO-022 — Website and Executive Summary

An AI-risk-management alignment crosswalk for GAISSF™ and NIST AI RMF 1.0

GAISSF-CRO-022 maps all 59 GAISSF™ v1.0 controls to the 72 NIST AI Risk Management Framework (AI RMF 1.0) Core subcategories in NIST AI 100-1. It supports implementation planning, gap analysis, profile development, evidence-reuse analysis, and internal assurance while preserving the different scope and abstraction levels of the two frameworks.

Document control

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NIST target	NIST AI 100-1 — AI Risk Management Framework (AI RMF 1.0), 26 January 2023

What the package contains

- 59 GAISSF controls assessed against 72 NIST AI RMF 1.0 Core subcategories.
- 167 documented forward mapping relationships with relationship, confidence, rationale, residual-gap, and source fields.
- A complete 72-subcategory NIST-to-GAISSF reverse coverage register.
- Separate treatment of the NIST AI RMF Playbook and NIST AI 600-1 as supplementary resources rather than Core mapping requirements.
- DOCX, PDF, XLSX, Markdown, and JSON publication formats.

Key interpretation

NIST AI RMF 1.0 is voluntary, rights-preserving, non-sector-specific, and use-case agnostic. GAISSF supplies normative AI-system controls and evidence expectations. The crosswalk can support evidence-reuse analysis and gap identification, but it does not establish equivalence, evidence sufficiency, operating effectiveness, NIST endorsement, NIST certification, regulatory compliance, or automatic conformance.

D9 note: GAISSF D9 is additional/conditional. Where Physical AI or cyber-physical actuation is in scope, PAI-SF™ v1.0 may be used alongside GAISSF; CSX-PAISF-004 is mapping only and does not establish equivalence, evidence sufficiency, or automatic conformance.

AI RMF Core functions

Function	Core subcategories
GOVERN	19
MAP	18
MEASURE	22
MANAGE	13

Appropriate uses

- Relate GAISSF controls to NIST AI RMF Current and Target Profile decisions
- Reuse verified GAISSF evidence where scope, provenance, relevance, and currency are sufficient
- Identify AI RMF outcomes requiring work or evidence beyond the current GAISSF implementation

- Support internal assurance, control rationalization, implementation planning, and gap analysis
- Scope independent assessment and evidence collection

Not established

- NIST endorsement, certification, or formal equivalence
- Automatic GAISSE or NIST AI RMF conformance
- Evidence sufficiency or proof of operating effectiveness
- A replacement for organizational AI risk-management decisions, Current/Target Profile development, or independent assessment
- Regulatory compliance, safe harbour, or automatic recognition