

ODA3 INSTITUTE

CROSSWALK

GAISSF™–NIST AI RMF Mapping

Crosswalk and Evidence-Reuse Guide

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

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Public Access & Publication Status

This full crosswalk is intended for public release through docs.oda3.org / official ODA3 publication channels. It is an informative correspondence and evidence-reuse aid, not a substitution mechanism. Technical reconciliation has been completed against the current GAISSF v1.0 baseline; independent crosswalk review remains open before publication approval.

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GAISSF baseline	GAISSF™ v1.0: 59 controls / 9 domains; Applicable-Control Baseline = 52 D1-D8 + applicable D9
NIST baseline	NIST AI 100-1, AI RMF 1.0, January 2023 (target edition; NIST states AI RMF 1.0 is being revised in 2026)
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Executive Summary

GAISSF-CRO-022 provides a bidirectional, outcome-based mapping between the 59 GAISSF™ v1.0 controls and the 72 NIST AI RMF 1.0 Core subcategories. It supports implementation planning, gap analysis, evidence-reuse analysis, profile development, and internal assurance. The mapping establishes correspondence only. It does not establish equivalence, evidence sufficiency, operating effectiveness, NIST endorsement, NIST certification, regulatory compliance, or automatic satisfaction of either framework.

Reverse coverage distribution: Indirectly Supported: 5, Not Addressed: 35, Substantially Addressed: 24, Partially Addressed: 8. These counts measure mapping coverage only; they are not a compliance score.

Notably Absent

- No NIST certification scheme is created by AI RMF 1.0.
- No NIST endorsement or approval of GAISSF was identified.
- No automatic legal or regulatory safe harbour is established.
- No evidence was identified that GAISSF and NIST AI RMF are fully equivalent.
- No universal risk-tolerance threshold is prescribed by AI RMF 1.0.
- No mapping result proves operating effectiveness.

1. Purpose and Intended Use

This crosswalk enables practitioners to relate GAISSF controls to NIST AI RMF outcomes, identify supplementary work, reuse verified evidence, and document Current and Target Profile decisions. It is an interpretive mapping, not a substitution mechanism.

2. Scope and Source Baseline

In scope: GAISSF-NOR-001 and GAISSF-NOR-004 final publication editions, version 1.0, published 1 July 2026 and updated 4 October 2026; and NIST AI 100-1, Artificial Intelligence Risk Management Framework (AI RMF 1.0), January 2023. AI RMF 1.0 remains the target edition for this crosswalk; NIST states that AI RMF 1.0 is being revised in 2026, so a released revision will trigger crosswalk revalidation. The NIST AI RMF Playbook and NIST AI 600-1 remain supplementary and are not merged into the Core mapping. GAISSF D9 is additional/conditional and becomes part of the Applicable-Control Baseline where Physical AI or cyber-physical actuation is in scope. Where D9 applies, 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.

Source	Status	Role
GAISSF-NOR-001 v1.0	Normative — published 1 Jul 2026; updated 4 Oct 2026	Authoritative framework architecture, conformance model, and Applicable-Control Baseline
GAISSF-NOR-004 v1.0	Normative — published 1 Jul 2026; updated 4 Oct 2026	Authoritative 59-control catalogue; D9 additional/conditional
NIST AI 100-1	Voluntary framework — January 2023 target edition; revision in progress during 2026	Primary NIST AI RMF 1.0 Core mapping target
NIST AI RMF Playbook	Informative	Optional implementation guidance
NIST AI 600-1	Supplementary profile	Separate GenAI analysis only

3. Mapping Methodology

Mappings were evaluated at GAISSF control and NIST subcategory level. Relationship strength, reverse-coverage status, and confidence are separate fields. Similar terminology alone was not treated as sufficient evidence. One-to-many and composite mappings are retained where an outcome depends on several controls. No relationship code represents equivalence: every mapping is an informative correspondence that must be supported by implementation-specific evidence before reuse.

Code	Meaning
SP	Strong partial
P	Partial
S	Supporting
C	Contextual
N	No material mapping
O	Outside scope
U	Unable to determine
Confidence	Rule
High	Clear, specific support in both primary sources
Medium-High	Strong support with modest interpretation
Medium	Reasonable but context-dependent
Low	Tentative, indirect, or ambiguous
Not Rated	No mapping, outside scope, or indeterminate

4. Function-Level Findings

GOVERN

19 NIST subcategories assessed. Coverage distribution: Indirectly Supported 3, Not Addressed 5, Substantially Addressed 11.

GAISSF provides substantial support through governance, accountability, inventory, supplier, incident, and lifecycle controls. Context-specific legal, workforce, and organizational culture outcomes may require supplementary implementation.

MAP

18 NIST subcategories assessed. Coverage distribution: Partially Addressed 3, Not Addressed 9, Substantially Addressed 4, Indirectly Supported 2.

GAISSF supports context, threat, dependency, human-oversight, and impact analysis. Broader social, mission, benefit, cost, and affected-community mapping may extend beyond security-focused controls.

MEASURE

22 NIST subcategories assessed. Coverage distribution: Partially Addressed 4, Not Addressed 14, Substantially Addressed 4.

GAISSF is comparatively detailed for adversarial testing, monitoring, drift, output integrity, safety, privacy, and assurance evidence. NIST-specific metric selection, independent TEVV, and contextual trustworthiness evaluation remain necessary.

MANAGE

13 NIST subcategories assessed. Coverage distribution: Not Addressed 7, Partially Addressed 1, Substantially Addressed 5.

GAISSF strongly supports treatment, incident response, third-party risk, monitoring, and continuous improvement. Organizations must still determine priorities, resources, acceptance decisions, and residual-risk communication in context.

5. Trustworthiness and Security Analysis

GAISSF controls materially support valid and reliable, safe, secure and resilient, accountable and transparent, explainable and interpretable, privacy-enhanced, and fair-with-harmful-bias-managed outcomes. The mapping does not treat these characteristics as independent checkboxes; trade-offs and context remain necessary. GAISSF adds operational detail for adversarial robustness, prompt injection, model extraction, autonomous agents, supply-chain security, runtime monitoring, and incident response.

6. Evidence Reuse Guidance

Evidence family	Potential reuse	Supplementary NIST context
AI inventory and scope records	GOVERN inventory, ownership, lifecycle	Mission, risk tolerance, and affected-party context
Risk and impact assessments	MAP and MANAGE decisions	Benefits, non-monetary costs, likelihood and magnitude
Threat models and security tests	MEASURE security/resilience	Metric appropriateness and independent review
Model/data documentation	MAP knowledge limits; MEASURE transparency	Use-context limitations and affected-party communication
Monitoring and incident records	MEASURE/MANAGE tracking and response	Risk prioritization, residual risk, and stakeholder reporting
Supplier assessments and AI BOMs	GOVERN/MAP/MANAGE third-party outcomes	Contractual responsibilities and downstream use context

7. Limitations

- The AI RMF is voluntary, rights-preserving, non-sector-specific, and use-case agnostic.
- Mapping is interpretive and does not prove control implementation or effectiveness.
- GAISSF conformance does not automatically demonstrate every NIST AI RMF outcome.
- NIST Profiles are contextual; Current and Target Profiles require organizational decisions.
- The mapping must be revalidated when either baseline changes.
- The Playbook is supplementary guidance, not a set of additional mandatory requirements.

8. Conclusions

GAISSF v1.0 supplies a substantial operational and evidence-oriented foundation for many NIST AI RMF outcomes, particularly security, resilience, monitoring, third-party risk, incident response, and lifecycle assurance. Material differences remain in abstraction, organizational context, social impact framing, risk tolerance, benefit/cost analysis, and profile-specific implementation. GAISSF-CRO-022 should therefore be used for planning and traceability—not as a declaration of NIST compliance or equivalence.

Annex A — GAISSE-to-NIST Mapping Register

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
GAISSE-CRO-022-MAP-0001	D1-CTL-01	Dataset Provenance & Poisoning Prevention	MEASURE 4.3	SP	Medium-High	D1-CTL-01 supports MEASURE 4.3 through the control objective for dataset provenance & poisoning prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0002	D1-CTL-01	Dataset Provenance & Poisoning Prevention	GOVERN 6.2	SP	Medium-High	D1-CTL-01 supports GOVERN 6.2 through the control objective for dataset provenance & poisoning prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0003	D1-CTL-01	Dataset Provenance & Poisoning Prevention	MANAGE 2.4	SP	Medium-High	D1-CTL-01 supports MANAGE 2.4 through the control objective for dataset provenance & poisoning prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0004	D1-CTL-02	Model Extraction Resistance	MAP 5.2	SP	Medium-High	D1-CTL-02 supports MAP 5.2 through the control objective for model extraction resistance. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0005	D1-CTL-02	Model Extraction Resistance	MEASURE 2.6	SP	Medium-High	D1-CTL-02 supports MEASURE 2.6 through the control objective for model extraction resistance. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						conformance is established.	
GAISSE-CRO-022-MAP-0006	D1-CTL-02	Model Extraction Resistance	MANAGE 3.2	SP	Medium-High	D1-CTL-02 supports MANAGE 3.2 through the control objective for model extraction resistance. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0007	D1-CTL-03	Behavioral Drift Detection	MANAGE 4.1	SP	Medium-High	D1-CTL-03 supports MANAGE 4.1 through the control objective for behavioral drift detection. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0008	D1-CTL-03	Behavioral Drift Detection	MANAGE 3.2	SP	Medium-High	D1-CTL-03 supports MANAGE 3.2 through the control objective for behavioral drift detection. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0009	D1-CTL-03	Behavioral Drift Detection	MAP 5.2	SP	Medium-High	D1-CTL-03 supports MAP 5.2 through the control objective for behavioral drift detection. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0010	D1-CTL-04	Federated Learning Poisoning Prevention	MEASURE 2.1	P	Medium	D1-CTL-04 supports MEASURE 2.1 through the control objective for federated learning poisoning prevention. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
GAISSE-CRO-022-MAP-0011	D1-CTL-04	Federated Learning Poisoning Prevention	MEASURE 2.7	P	Medium	D1-CTL-04 supports MEASURE 2.7 through the control objective for federated learning poisoning prevention. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0012	D1-CTL-04	Federated Learning Poisoning Prevention	MEASURE 4.3	P	Medium	D1-CTL-04 supports MEASURE 4.3 through the control objective for federated learning poisoning prevention. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0013	D1-CTL-05	Embedding Space Robustness	MEASURE 2.6	SP	Medium-High	D1-CTL-05 supports MEASURE 2.6 through the control objective for embedding space robustness. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0014	D1-CTL-05	Embedding Space Robustness	MAP 5.1	SP	Medium-High	D1-CTL-05 supports MAP 5.1 through the control objective for embedding space robustness. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0015	D1-CTL-05	Embedding Space Robustness	GOVERN 4.1	SP	Medium-High	D1-CTL-05 supports GOVERN 4.1 through the control objective for embedding space robustness. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
GAISSE-CRO-022-MAP-0016	D1-CTL-06	Post-Quantum Model Signing & Crypto Hardening	MEASURE 2.1	P	Medium	D1-CTL-06 supports MEASURE 2.1 through the control objective for post-quantum model signing & crypto hardening. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0017	D1-CTL-06	Post-Quantum Model Signing & Crypto Hardening	MEASURE 2.7	P	Medium	D1-CTL-06 supports MEASURE 2.7 through the control objective for post-quantum model signing & crypto hardening. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0018	D1-CTL-06	Post-Quantum Model Signing & Crypto Hardening	MEASURE 4.3	P	Medium	D1-CTL-06 supports MEASURE 4.3 through the control objective for post-quantum model signing & crypto hardening. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0019	D1-CTL-07	Lora/Adapter Integrity Verification	MEASURE 4.3	SP	Medium-High	D1-CTL-07 supports MEASURE 4.3 through the control objective for lora/adapter integrity verification. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0020	D1-CTL-07	Lora/Adapter Integrity Verification	MANAGE 2.4	SP	Medium-High	D1-CTL-07 supports MANAGE 2.4 through the control objective for lora/adapter integrity verification. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
GAISSE-CRO-022-MAP-0021	D1-CTL-07	Lora/Adapter Integrity Verification	MANAGE 3.1	SP	Medium-High	D1-CTL-07 supports MANAGE 3.1 through the control objective for lora/adapter integrity verification. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0022	D1-CTL-08	Model Merge Attack Detection	MEASURE 2.6	P	Medium	D1-CTL-08 supports MEASURE 2.6 through the control objective for model merge attack detection. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0023	D1-CTL-08	Model Merge Attack Detection	MEASURE 2.1	P	Medium	D1-CTL-08 supports MEASURE 2.1 through the control objective for model merge attack detection. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0024	D1-CTL-08	Model Merge Attack Detection	MEASURE 2.7	P	Medium	D1-CTL-08 supports MEASURE 2.7 through the control objective for model merge attack detection. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0025	D1-CTL-09	Quantization Backdoor Screening	MEASURE 2.6	SP	Medium-High	D1-CTL-09 supports MEASURE 2.6 through the control objective for quantization backdoor screening. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0026	D1-CTL-09	Quantization Backdoor Screening	MAP 5.2	SP	Medium-High	D1-CTL-09 supports MAP 5.2 through the control objective for quantization	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						backdoor screening. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0027	D1-CTL-09	Quantization Backdoor Screening	MANAGE 4.1	P	Medium	D1-CTL-09 supports MANAGE 4.1 through the control objective for quantization backdoor screening. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0028	D2-CTL-01	Direct Prompt Injection Prevention	GOVERN 4.3	SP	Medium-High	D2-CTL-01 supports GOVERN 4.3 through the control objective for direct prompt injection prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0029	D2-CTL-01	Direct Prompt Injection Prevention	MEASURE 4.3	SP	Medium-High	D2-CTL-01 supports MEASURE 4.3 through the control objective for direct prompt injection prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0030	D2-CTL-01	Direct Prompt Injection Prevention	MEASURE 2.7	SP	Medium-High	D2-CTL-01 supports MEASURE 2.7 through the control objective for direct prompt injection prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0031	D2-CTL-02	Indirect Prompt Injection Prevention	MAP 5.2	SP	Medium-High	D2-CTL-02 supports MAP 5.2 through the control objective for indirect prompt injection prevention. Relationship: SP; confidence: Medium-High.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	by the NIST outcome.
GAISSE-CRO-022-MAP-0032	D2-CTL-02	Indirect Prompt Injection Prevention	MEASURE 2.7	SP	Medium-High	D2-CTL-02 supports MEASURE 2.7 through the control objective for indirect prompt injection prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0033	D2-CTL-02	Indirect Prompt Injection Prevention	MEASURE 2.6	SP	Medium-High	D2-CTL-02 supports MEASURE 2.6 through the control objective for indirect prompt injection prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0034	D2-CTL-03	Jailbreak Resistance Testing	MEASURE 2.6	SP	Medium-High	D2-CTL-03 supports MEASURE 2.6 through the control objective for jailbreak resistance testing. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0035	D2-CTL-03	Jailbreak Resistance Testing	MAP 5.2	SP	Medium-High	D2-CTL-03 supports MAP 5.2 through the control objective for jailbreak resistance testing. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0036	D2-CTL-03	Jailbreak Resistance Testing	GOVERN 4.1	SP	Medium-High	D2-CTL-03 supports GOVERN 4.1 through the control objective for jailbreak resistance testing. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						effectiveness, certification credit, or automatic conformance is established.	
GAISSF-CRO-022-MAP-0037	D2-CTL-04	Multi-Modal Injection Defense	MAP 5.2	SP	Medium-High	D2-CTL-04 supports MAP 5.2 through the control objective for multi-modal injection defense. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0038	D2-CTL-04	Multi-Modal Injection Defense	MEASURE 2.7	P	Medium	D2-CTL-04 supports MEASURE 2.7 through the control objective for multi-modal injection defense. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0039	D2-CTL-04	Multi-Modal Injection Defense	MEASURE 1.2	P	Medium	D2-CTL-04 supports MEASURE 1.2 through the control objective for multi-modal injection defense. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0040	D2-CTL-05	Function Call/Tool Call Injection Prevention	MEASURE 2.7	SP	Medium-High	D2-CTL-05 supports MEASURE 2.7 through the control objective for function call/tool call injection prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0041	D2-CTL-05	Function Call/Tool Call Injection Prevention	MAP 5.2	SP	Medium-High	D2-CTL-05 supports MAP 5.2 through the control objective for function call/tool call injection prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						automatic conformance is established.	
GAISSF-CRO-022-MAP-0042	D2-CTL-05	Function Call/Tool Call Injection Prevention	MEASURE 1.1	P	Medium	D2-CTL-05 supports MEASURE 1.1 through the control objective for function call/tool call injection prevention. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0043	D2-CTL-06	Cross-Context Hijacking Mitigation	MEASURE 2.7	P	Medium	D2-CTL-06 supports MEASURE 2.7 through the control objective for cross-context hijacking mitigation. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0044	D2-CTL-06	Cross-Context Hijacking Mitigation	MEASURE 2.1	P	Medium	D2-CTL-06 supports MEASURE 2.1 through the control objective for cross-context hijacking mitigation. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0045	D2-CTL-06	Cross-Context Hijacking Mitigation	GOVERN 4.3	S	Medium	D2-CTL-06 supports GOVERN 4.3 through the control objective for cross-context hijacking mitigation. Relationship: S; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0046	D3-CTL-01	Least Agency Enforcement	MAP 3.5	SP	Medium-High	D3-CTL-01 supports MAP 3.5 through the control objective for least agency enforcement. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
GAISSF-CRO-022-MAP-0047	D3-CTL-01	Least Agency Enforcement	MEASURE 2.9	SP	Medium-High	D3-CTL-01 supports MEASURE 2.9 through the control objective for least agency enforcement. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0048	D3-CTL-01	Least Agency Enforcement	MEASURE 4.3	SP	Medium-High	D3-CTL-01 supports MEASURE 4.3 through the control objective for least agency enforcement. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0049	D3-CTL-02	Inter-Agent Communication Security	MAP 2.3	P	Medium	D3-CTL-02 supports MAP 2.3 through the control objective for inter-agent communication security. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0050	D3-CTL-02	Inter-Agent Communication Security	MEASURE 1.3	P	Medium	D3-CTL-02 supports MEASURE 1.3 through the control objective for inter-agent communication security. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0051	D3-CTL-02	Inter-Agent Communication Security	MEASURE 2.7	P	Medium	D3-CTL-02 supports MEASURE 2.7 through the control objective for inter-agent communication security. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0052	D3-CTL-03	Agentic Prompt Chaining Detection	MEASURE 2.7	P	Medium	D3-CTL-03 supports MEASURE 2.7 through the control objective for agentic	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						prompt chaining detection. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0053	D3-CTL-03	Agentic Prompt Chaining Detection	MAP 1.1	P	Medium	D3-CTL-03 supports MAP 1.1 through the control objective for agentic prompt chaining detection. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0054	D3-CTL-03	Agentic Prompt Chaining Detection	MAP 1.6	P	Medium	D3-CTL-03 supports MAP 1.6 through the control objective for agentic prompt chaining detection. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0055	D3-CTL-04	Embodied Ai Safety Controls	MEASURE 2.6	SP	Medium-High	D3-CTL-04 supports MEASURE 2.6 through the control objective for embodied ai safety controls. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0056	D3-CTL-04	Embodied Ai Safety Controls	GOVERN 4.1	SP	Medium-High	D3-CTL-04 supports GOVERN 4.1 through the control objective for embodied ai safety controls. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0057	D3-CTL-04	Embodied Ai Safety Controls	MAP 2.3	P	Medium	D3-CTL-04 supports MAP 2.3 through the control objective for embodied ai safety controls. Relationship: P; confidence: Medium.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	by the NIST outcome.
GAISSE-CRO-022-MAP-0058	D3-CTL-05	Multi-Agent Trust Chain Attestation	MEASURE 2.7	P	Medium	D3-CTL-05 supports MEASURE 2.7 through the control objective for multi-agent trust chain attestation. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0059	D3-CTL-05	Multi-Agent Trust Chain Attestation	MAP 1.1	P	Medium	D3-CTL-05 supports MAP 1.1 through the control objective for multi-agent trust chain attestation. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0060	D3-CTL-05	Multi-Agent Trust Chain Attestation	MAP 1.6	P	Medium	D3-CTL-05 supports MAP 1.6 through the control objective for multi-agent trust chain attestation. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0061	D3-CTL-06	Persistent Memory Exfiltration Prevention	MEASURE 2.7	P	Medium	D3-CTL-06 supports MEASURE 2.7 through the control objective for persistent memory exfiltration prevention. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0062	D3-CTL-06	Persistent Memory Exfiltration Prevention	MAP 1.1	P	Medium	D3-CTL-06 supports MAP 1.1 through the control objective for persistent memory exfiltration prevention. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	
GAISSF-CRO-022-MAP-0063	D3-CTL-06	Persistent Memory Exfiltration Prevention	MAP 1.6	P	Medium	D3-CTL-06 supports MAP 1.6 through the control objective for persistent memory exfiltration prevention. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0064	D3-CTL-07	Secure Memory Lifecycle Management	MAP 3.5	SP	Medium-High	D3-CTL-07 supports MAP 3.5 through the control objective for secure memory lifecycle management. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0065	D3-CTL-07	Secure Memory Lifecycle Management	MEASURE 2.9	SP	Medium-High	D3-CTL-07 supports MEASURE 2.9 through the control objective for secure memory lifecycle management. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0066	D3-CTL-07	Secure Memory Lifecycle Management	GOVERN 2.3	SP	Medium-High	D3-CTL-07 supports GOVERN 2.3 through the control objective for secure memory lifecycle management. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0067	D4-CTL-01	AI Bill Of Materials (AI Bom) Maintenance	GOVERN 6.2	SP	Medium-High	D4-CTL-01 supports GOVERN 6.2 through the control objective for AI bill of materials (AI Bom) maintenance. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						automatic conformance is established.	
GAISSF-CRO-022-MAP-0068	D4-CTL-01	Ai Bill Of Materials (Ai Bom) Maintenance	MEASURE 4.3	SP	Medium-High	D4-CTL-01 supports MEASURE 4.3 through the control objective for ai bill of materials (ai bom) maintenance. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0069	D4-CTL-01	Ai Bill Of Materials (Ai Bom) Maintenance	GOVERN 1.6	SP	Medium-High	D4-CTL-01 supports GOVERN 1.6 through the control objective for ai bill of materials (ai bom) maintenance. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0070	D4-CTL-02	Model File & Artifact Scanning	GOVERN 5.2	SP	Medium-High	D4-CTL-02 supports GOVERN 5.2 through the control objective for model file & artifact scanning. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0071	D4-CTL-02	Model File & Artifact Scanning	GOVERN 6.1	SP	Medium-High	D4-CTL-02 supports GOVERN 6.1 through the control objective for model file & artifact scanning. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0072	D4-CTL-02	Model File & Artifact Scanning	GOVERN 6.2	SP	Medium-High	D4-CTL-02 supports GOVERN 6.2 through the control objective for model file & artifact scanning. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
GAISSF-CRO-022-MAP-0073	D4-CTL-03	Model Hub & Registry Vetting	GOVERN 5.2	SP	Medium-High	D4-CTL-03 supports GOVERN 5.2 through the control objective for model hub & registry vetting. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0074	D4-CTL-03	Model Hub & Registry Vetting	GOVERN 6.1	SP	Medium-High	D4-CTL-03 supports GOVERN 6.1 through the control objective for model hub & registry vetting. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0075	D4-CTL-03	Model Hub & Registry Vetting	GOVERN 6.2	SP	Medium-High	D4-CTL-03 supports GOVERN 6.2 through the control objective for model hub & registry vetting. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0076	D4-CTL-04	Mcp Server Behavioral Monitoring	MANAGE 3.1	SP	Medium-High	D4-CTL-04 supports MANAGE 3.1 through the control objective for mcp server behavioral monitoring. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0077	D4-CTL-04	Mcp Server Behavioral Monitoring	GOVERN 5.2	SP	Medium-High	D4-CTL-04 supports GOVERN 5.2 through the control objective for mcp server behavioral monitoring. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0078	D4-CTL-04	Mcp Server Behavioral Monitoring	GOVERN 6.2	SP	Medium-High	D4-CTL-04 supports GOVERN 6.2 through the control objective for mcp	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						server behavioral monitoring. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0079	D4-CTL-05	Third-Party Ai Api Security Assessment	MAP 1.6	SP	Medium-High	D4-CTL-05 supports MAP 1.6 through the control objective for third-party ai api security assessment. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0080	D4-CTL-05	Third-Party Ai Api Security Assessment	MAP 4.1	P	Medium	D4-CTL-05 supports MAP 4.1 through the control objective for third-party ai api security assessment. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0081	D4-CTL-05	Third-Party Ai Api Security Assessment	GOVERN 5.2	P	Medium	D4-CTL-05 supports GOVERN 5.2 through the control objective for third-party ai api security assessment. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0082	D4-CTL-06	Shadow Ai Discovery & Governance	GOVERN 5.2	SP	Medium-High	D4-CTL-06 supports GOVERN 5.2 through the control objective for shadow ai discovery & governance. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0083	D4-CTL-06	Shadow Ai Discovery & Governance	MAP 3.5	SP	Medium-High	D4-CTL-06 supports MAP 3.5 through the control objective for shadow ai discovery & governance. Relationship: SP; confidence: Medium-High.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	by the NIST outcome.
GAISSE-CRO-022-MAP-0084	D4-CTL-06	Shadow Ai Discovery & Governance	MEASURE 4.3	SP	Medium-High	D4-CTL-06 supports MEASURE 4.3 through the control objective for shadow ai discovery & governance. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0085	D4-CTL-07	Ai Software Composition Analysis (Sca)	GOVERN 5.2	SP	Medium-High	D4-CTL-07 supports GOVERN 5.2 through the control objective for ai software composition analysis (sca). Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0086	D4-CTL-07	Ai Software Composition Analysis (Sca)	MAP 3.5	P	Medium	D4-CTL-07 supports MAP 3.5 through the control objective for ai software composition analysis (sca). Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0087	D4-CTL-07	Ai Software Composition Analysis (Sca)	MANAGE 4.3	P	Medium	D4-CTL-07 supports MANAGE 4.3 through the control objective for ai software composition analysis (sca). Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0088	D5-CTL-01	Harmful Content Blocking	GOVERN 4.1	SP	Medium-High	D5-CTL-01 supports GOVERN 4.1 through the control objective for harmful content blocking. Relationship: SP; confidence: Medium-High. Correspondence only; no	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	
GAISSE-CRO-022-MAP-0089	D5-CTL-01	Harmful Content Blocking	MEASURE 2.6	SP	Medium-High	D5-CTL-01 supports MEASURE 2.6 through the control objective for harmful content blocking. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0090	D5-CTL-01	Harmful Content Blocking	MAP 5.1	P	Medium	D5-CTL-01 supports MAP 5.1 through the control objective for harmful content blocking. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0091	D5-CTL-02	Pii Leakage Prevention	MEASURE 2.6	SP	Medium-High	D5-CTL-02 supports MEASURE 2.6 through the control objective for pii leakage prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0092	D5-CTL-02	Pii Leakage Prevention	GOVERN 4.1	SP	Medium-High	D5-CTL-02 supports GOVERN 4.1 through the control objective for pii leakage prevention. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0093	D5-CTL-02	Pii Leakage Prevention	MAP 2.3	P	Medium	D5-CTL-02 supports MAP 2.3 through the control objective for pii leakage prevention. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						conformance is established.	
GAISSF-CRO-022-MAP-0094	D5-CTL-03	Copyright Detection	MEASURE 2.6	SP	Medium-High	D5-CTL-03 supports MEASURE 2.6 through the control objective for copyright detection. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0095	D5-CTL-03	Copyright Detection	GOVERN 4.1	SP	Medium-High	D5-CTL-03 supports GOVERN 4.1 through the control objective for copyright detection. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0096	D5-CTL-03	Copyright Detection	MAP 2.3	P	Medium	D5-CTL-03 supports MAP 2.3 through the control objective for copyright detection. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0097	D5-CTL-04	Ai Watermarking Robustness	MEASURE 2.6	SP	Medium-High	D5-CTL-04 supports MEASURE 2.6 through the control objective for ai watermarking robustness. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0098	D5-CTL-04	Ai Watermarking Robustness	GOVERN 4.3	SP	Medium-High	D5-CTL-04 supports GOVERN 4.3 through the control objective for ai watermarking robustness. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-	D5-CTL-04	Ai Watermarking Robustness	MAP 5.1	SP	Medium-High	D5-CTL-04 supports MAP 5.1 through the control	Context-specific actors, affected parties, risk

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
MAP-0099						objective for ai watermarking robustness. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0100	D5-CTL-05	Privacy-By-Design Verification	MEASURE 2.6	SP	Medium-High	D5-CTL-05 supports MEASURE 2.6 through the control objective for privacy-by-design verification. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0101	D5-CTL-05	Privacy-By-Design Verification	GOVERN 4.1	SP	Medium-High	D5-CTL-05 supports GOVERN 4.1 through the control objective for privacy-by-design verification. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0102	D5-CTL-05	Privacy-By-Design Verification	MAP 1.6	P	Medium	D5-CTL-05 supports MAP 1.6 through the control objective for privacy-by-design verification. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0103	D5-CTL-06	Privacy-Preserving MI Validation	MEASURE 2.6	SP	Medium-High	D5-CTL-06 supports MEASURE 2.6 through the control objective for privacy-preserving ml validation. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0104	D5-CTL-06	Privacy-Preserving MI Validation	GOVERN 4.1	SP	Medium-High	D5-CTL-06 supports GOVERN 4.1 through the control objective for privacy-preserving ml validation. Relationship:	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0105	D5-CTL-06	Privacy-Preserving ML Validation	MAP 2.3	P	Medium	D5-CTL-06 supports MAP 2.3 through the control objective for privacy-preserving ml validation. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0106	D6-CTL-01	Human-In-The-Loop For High-Risk Actions	MEASURE 4.3	SP	Medium-High	D6-CTL-01 supports MEASURE 4.3 through the control objective for human-in-the-loop for high-risk actions. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0107	D6-CTL-01	Human-In-The-Loop For High-Risk Actions	GOVERN 1.7	SP	Medium-High	D6-CTL-01 supports GOVERN 1.7 through the control objective for human-in-the-loop for high-risk actions. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0108	D6-CTL-01	Human-In-The-Loop For High-Risk Actions	GOVERN 3.2	SP	Medium-High	D6-CTL-01 supports GOVERN 3.2 through the control objective for human-in-the-loop for high-risk actions. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0109	D6-CTL-02	Audit Trail Completeness	GOVERN 4.3	SP	Medium-High	D6-CTL-02 supports GOVERN 4.3 through the control objective for audit trail completeness. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	
GAISSE-CRO-022-MAP-0110	D6-CTL-02	Audit Trail Completeness	MEASURE 4.3	SP	Medium-High	D6-CTL-02 supports MEASURE 4.3 through the control objective for audit trail completeness. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0111	D6-CTL-02	Audit Trail Completeness	GOVERN 1.7	P	Medium	D6-CTL-02 supports GOVERN 1.7 through the control objective for audit trail completeness. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0112	D6-CTL-03	Ai Model Card Completeness	GOVERN 1.7	P	Medium	D6-CTL-03 supports GOVERN 1.7 through the control objective for ai model card completeness. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0113	D6-CTL-03	Ai Model Card Completeness	GOVERN 2.3	P	Medium	D6-CTL-03 supports GOVERN 2.3 through the control objective for ai model card completeness. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0114	D6-CTL-03	Ai Model Card Completeness	GOVERN 3.2	P	Medium	D6-CTL-03 supports GOVERN 3.2 through the control objective for ai model card completeness. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						conformance is established.	
GAISSE-CRO-022-MAP-0115	D6-CTL-04	AI Incident Response Readiness	MEASURE 4.3	SP	Medium-High	D6-CTL-04 supports MEASURE 4.3 through the control objective for AI incident response readiness. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0116	D6-CTL-04	AI Incident Response Readiness	GOVERN 1.7	SP	Medium-High	D6-CTL-04 supports GOVERN 1.7 through the control objective for AI incident response readiness. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0117	D6-CTL-04	AI Incident Response Readiness	GOVERN 1.4	SP	Medium-High	D6-CTL-04 supports GOVERN 1.4 through the control objective for AI incident response readiness. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0118	D6-CTL-05	Model Deprecation & Decommissioning	GOVERN 1.5	SP	Medium-High	D6-CTL-05 supports GOVERN 1.5 through the control objective for model deprecation & decommissioning. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0119	D6-CTL-05	Model Deprecation & Decommissioning	MANAGE 4.1	SP	Medium-High	D6-CTL-05 supports MANAGE 4.1 through the control objective for model deprecation & decommissioning. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
GAISSF-CRO-022-MAP-0120	D6-CTL-05	Model Deprecation & Decommissioning	GOVERN 1.7	SP	Medium-High	D6-CTL-05 supports GOVERN 1.7 through the control objective for model deprecation & decommissioning. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0121	D6-CTL-06	Third-Party Ai Vendor Governance	MEASURE 4.3	SP	Medium-High	D6-CTL-06 supports MEASURE 4.3 through the control objective for third-party ai vendor governance. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0122	D6-CTL-06	Third-Party Ai Vendor Governance	GOVERN 5.2	SP	Medium-High	D6-CTL-06 supports GOVERN 5.2 through the control objective for third-party ai vendor governance. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0123	D6-CTL-06	Third-Party Ai Vendor Governance	MANAGE 4.3	SP	Medium-High	D6-CTL-06 supports MANAGE 4.3 through the control objective for third-party ai vendor governance. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0124	D6-CTL-07	Ai Resilience & Business Continuity	GOVERN 1.7	SP	Medium-High	D6-CTL-07 supports GOVERN 1.7 through the control objective for ai resilience & business continuity. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
GAISSE-CRO-022-MAP-0125	D6-CTL-07	Ai Resilience & Business Continuity	GOVERN 3.2	SP	Medium-High	D6-CTL-07 supports GOVERN 3.2 through the control objective for ai resilience & business continuity. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0126	D6-CTL-07	Ai Resilience & Business Continuity	GOVERN 4.1	SP	Medium-High	D6-CTL-07 supports GOVERN 4.1 through the control objective for ai resilience & business continuity. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0127	D7-CTL-H01	Ai-Generated Phishing Simulation	GOVERN 2.2	C	Low	D7-CTL-H01 supports GOVERN 2.2 through the control objective for ai-generated phishing simulation. Relationship: C; confidence: Low. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0128	D7-CTL-H02	Deepfake Detection Training	GOVERN 4.3	P	Medium	D7-CTL-H02 supports GOVERN 4.3 through the control objective for deepfake detection training. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0129	D7-CTL-H02	Deepfake Detection Training	GOVERN 6.2	P	Medium	D7-CTL-H02 supports GOVERN 6.2 through the control objective for deepfake detection training. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0130	D7-CTL-H02	Deepfake Detection Training	MEASURE 4.3	P	Medium	D7-CTL-H02 supports MEASURE 4.3 through the control objective for	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						deepfake detection training. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0131	D7-CTL-H03	Out-Of-Band Authentication	GOVERN 1.4	P	Medium	D7-CTL-H03 supports GOVERN 1.4 through the control objective for out-of-band authentication. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0132	D7-CTL-H03	Out-Of-Band Authentication	GOVERN 1.5	P	Medium	D7-CTL-H03 supports GOVERN 1.5 through the control objective for out-of-band authentication. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0133	D7-CTL-H03	Out-Of-Band Authentication	GOVERN 1.7	P	Medium	D7-CTL-H03 supports GOVERN 1.7 through the control objective for out-of-band authentication. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0134	D7-CTL-H04	Ai Social Engineering Ir	GOVERN 2.2	C	Low	D7-CTL-H04 supports GOVERN 2.2 through the control objective for ai social engineering ir. Relationship: C; confidence: Low. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0135	D7-CTL-H05	Ai-Enhanced External Attack Defense	GOVERN 5.1	C	Low	D7-CTL-H05 supports GOVERN 5.1 through the control objective for ai-enhanced external attack defense. Relationship: C; confidence: Low.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	by the NIST outcome.
GAISSF-CRO-022-MAP-0136	D8-CTL-01	Eu Ai Act Risk Tier Mapping	GOVERN 6.2	S	Medium	D8-CTL-01 supports GOVERN 6.2 through the control objective for eu ai act risk tier mapping. Relationship: S; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0137	D8-CTL-01	Eu Ai Act Risk Tier Mapping	MAP 2.2	S	Medium	D8-CTL-01 supports MAP 2.2 through the control objective for eu ai act risk tier mapping. Relationship: S; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0138	D8-CTL-01	Eu Ai Act Risk Tier Mapping	MAP 3.2	S	Medium	D8-CTL-01 supports MAP 3.2 through the control objective for eu ai act risk tier mapping. Relationship: S; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0139	D8-CTL-02	Iso 42001 Gap Analysis	GOVERN 5.2	P	Medium	D8-CTL-02 supports GOVERN 5.2 through the control objective for iso 42001 gap analysis. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0140	D8-CTL-02	Iso 42001 Gap Analysis	MANAGE 2.1	P	Medium	D8-CTL-02 supports MANAGE 2.1 through the control objective for iso 42001 gap analysis. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						conformance is established.	
GAISSE-CRO-022-MAP-0141	D8-CTL-02	Iso 42001 Gap Analysis	GOVERN 1.6	P	Medium	D8-CTL-02 supports GOVERN 1.6 through the control objective for iso 42001 gap analysis. Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0142	D8-CTL-03	Gpai Technical Documentation Verification	GOVERN 1.1	C	Low	D8-CTL-03 supports GOVERN 1.1 through the control objective for gpai technical documentation verification. Relationship: C; confidence: Low. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0143	D8-CTL-04	Dora Ict Incident Reporting (Financial Sector)	MANAGE 4.1	SP	Medium-High	D8-CTL-04 supports MANAGE 4.1 through the control objective for dora ict incident reporting (financial sector). Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0144	D8-CTL-04	Dora Ict Incident Reporting (Financial Sector)	MANAGE 3.2	SP	Medium-High	D8-CTL-04 supports MANAGE 3.2 through the control objective for dora ict incident reporting (financial sector). Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0145	D8-CTL-04	Dora Ict Incident Reporting (Financial Sector)	GOVERN 1.5	P	Medium	D8-CTL-04 supports GOVERN 1.5 through the control objective for dora ict incident reporting (financial sector). Relationship: P; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
GAISSF-CRO-022-MAP-0146	D8-CTL-05	Nist Sp 800-218A Compliance Check	GOVERN 4.1	S	Medium	D8-CTL-05 supports GOVERN 4.1 through the control objective for nist sp 800-218a compliance check. Relationship: S; confidence: Medium. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0147	D9-CTL-01	Physical Harm Boundary Enforcement	MEASURE 2.6	SP	Medium-High	D9-CTL-01 supports MEASURE 2.6 through the control objective for physical harm boundary enforcement. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0148	D9-CTL-01	Physical Harm Boundary Enforcement	MAP 5.2	SP	Medium-High	D9-CTL-01 supports MAP 5.2 through the control objective for physical harm boundary enforcement. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0149	D9-CTL-01	Physical Harm Boundary Enforcement	MANAGE 4.1	SP	Medium-High	D9-CTL-01 supports MANAGE 4.1 through the control objective for physical harm boundary enforcement. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0150	D9-CTL-02	Safe State And Graceful Degradation	MEASURE 2.6	SP	Medium-High	D9-CTL-02 supports MEASURE 2.6 through the control objective for safe state and graceful degradation. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0151	D9-CTL-02	Safe State And Graceful Degradation	MEASURE 2.7	SP	Medium-High	D9-CTL-02 supports MEASURE 2.7 through the control objective for safe	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle

Record	GAISSE control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						state and graceful degradation. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0152	D9-CTL-02	Safe State And Graceful Degradation	GOVERN 4.1	SP	Medium-High	D9-CTL-02 supports GOVERN 4.1 through the control objective for safe state and graceful degradation. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0153	D9-CTL-03	Human Override And Emergency Stop	MEASURE 2.6	SP	Medium-High	D9-CTL-03 supports MEASURE 2.6 through the control objective for human override and emergency stop. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0154	D9-CTL-03	Human Override And Emergency Stop	MAP 5.2	SP	Medium-High	D9-CTL-03 supports MAP 5.2 through the control objective for human override and emergency stop. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0155	D9-CTL-03	Human Override And Emergency Stop	GOVERN 4.1	SP	Medium-High	D9-CTL-03 supports GOVERN 4.1 through the control objective for human override and emergency stop. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSE-CRO-022-MAP-0156	D9-CTL-04	Cyber-Physical Attack Detection	MANAGE 3.2	SP	Medium-High	D9-CTL-04 supports MANAGE 3.2 through the control objective for cyber-physical attack detection. Relationship: SP; confidence: Medium-High.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	by the NIST outcome.
GAISSF-CRO-022-MAP-0157	D9-CTL-04	Cyber-Physical Attack Detection	MAP 5.2	SP	Medium-High	D9-CTL-04 supports MAP 5.2 through the control objective for cyber-physical attack detection. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0158	D9-CTL-04	Cyber-Physical Attack Detection	MEASURE 2.6	SP	Medium-High	D9-CTL-04 supports MEASURE 2.6 through the control objective for cyber-physical attack detection. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0159	D9-CTL-05	Physical Environment Integrity Monitoring	MEASURE 2.6	SP	Medium-High	D9-CTL-05 supports MEASURE 2.6 through the control objective for physical environment integrity monitoring. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0160	D9-CTL-05	Physical Environment Integrity Monitoring	MANAGE 4.1	SP	Medium-High	D9-CTL-05 supports MANAGE 4.1 through the control objective for physical environment integrity monitoring. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0161	D9-CTL-05	Physical Environment Integrity Monitoring	MANAGE 3.2	SP	Medium-High	D9-CTL-05 supports MANAGE 3.2 through the control objective for physical environment integrity monitoring. Relationship: SP; confidence: Medium-High.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	
GAISSF-CRO-022-MAP-0162	D9-CTL-06	Actuator Command Verification	MEASURE 2.6	SP	Medium-High	D9-CTL-06 supports MEASURE 2.6 through the control objective for actuator command verification. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0163	D9-CTL-06	Actuator Command Verification	MAP 5.2	SP	Medium-High	D9-CTL-06 supports MAP 5.2 through the control objective for actuator command verification. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0164	D9-CTL-06	Actuator Command Verification	GOVERN 4.1	SP	Medium-High	D9-CTL-06 supports GOVERN 4.1 through the control objective for actuator command verification. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0165	D9-CTL-07	Physical Incident Evidence Preservation	MEASURE 2.6	SP	Medium-High	D9-CTL-07 supports MEASURE 2.6 through the control objective for physical incident evidence preservation. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.
GAISSF-CRO-022-MAP-0166	D9-CTL-07	Physical Incident Evidence Preservation	MAP 5.2	SP	Medium-High	D9-CTL-07 supports MAP 5.2 through the control objective for physical incident evidence preservation. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency,	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Record	GAISSF control	Title	NIST subcategory	Rel.	Confidence	Rationale	Residual gap
						operating effectiveness, certification credit, or automatic conformance is established.	
GAISSF-CRO-022-MAP-0167	D9-CTL-07	Physical Incident Evidence Preservation	MANAGE 4.1	SP	Medium-High	D9-CTL-07 supports MANAGE 4.1 through the control objective for physical incident evidence preservation. Relationship: SP; confidence: Medium-High. Correspondence only; no equivalence, evidence sufficiency, operating effectiveness, certification credit, or automatic conformance is established.	Context-specific actors, affected parties, risk tolerance, metrics, lifecycle evidence, and residual-risk decisions remain necessary where required by the NIST outcome.

Annex B — NIST-to-GAISSF Reverse Coverage Register

NIST ID	NIST outcome	GAISSF controls	Coverage	Rel.	Confidence	Gap / further work
GOVERN 1.1	Legal and regulatory requirements involving AI are understood, managed, and documented.	D8-CTL-03	Indirectly Supported	C	Low	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
GOVERN 1.2	The characteristics of trustworthy AI are integrated into organizational policies, processes, procedures, and practices.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
GOVERN 1.3	Processes, procedures, and practices are in place to determine the needed level of risk management activities based on the organization's risk tolerance.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
GOVERN 1.4	The risk management process and its outcomes are established through transparent policies, procedures, and other controls based on organizational risk priorities. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 1: Categories and subcategories for the GOVERN function. (Continued)	D6-CTL-04, D7-CTL-H03	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
GOVERN 1.5	Ongoing monitoring and periodic review of the risk management process and its outcomes are planned and organizational roles and responsibilities clearly defined, including determining the frequency of periodic review.	D6-CTL-05, D7-CTL-H03, D8-CTL-04	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
GOVERN 1.6	Mechanisms are in place to inventory AI systems and are resourced according to organizational risk priorities.	D4-CTL-01, D8-CTL-02	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.

NIST ID	NIST outcome	GAISSE controls	Coverage	Rel.	Confidence	Gap / further work
GOVERN 1.7	Processes and procedures are in place for decommissioning and phasing out AI systems safely and in a manner that does not increase risks or decrease the organization's trustworthiness. GOVERN 2: Accountability structures are in place so that the appropriate teams and individuals are empowered, responsible, and trained for mapping, measuring, and managing AI risks.	D6-CTL-01, D6-CTL-02, D6-CTL-03, D6-CTL-04, D6-CTL-05, D6-CTL-07	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
GOVERN 2.1	Roles and responsibilities and lines of communication related to mapping, measuring, and managing AI risks are documented and are clear to individuals and teams throughout the organization.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
GOVERN 2.2	The organization's personnel and partners receive AI risk management training to enable them to perform their duties and responsibilities consistent with related policies, procedures, and agreements.	D7-CTL-H01, D7-CTL-H04	Indirectly Supported	C	Low	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
GOVERN 2.3	Executive leadership of the organization takes responsibility for decisions about risks associated with AI system development and deployment. GOVERN 3: Workforce diversity, equity, inclusion, and accessibility processes are prioritized in the mapping, measuring, and managing of AI risks throughout the lifecycle.	D3-CTL-07, D6-CTL-03	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
GOVERN 3.1	Decision-making related to mapping, measuring, and managing AI risks throughout the lifecycle is informed by a diverse team (e.g., diversity of demographics, disciplines, experience, expertise, and backgrounds).	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
GOVERN 3.2	Policies and procedures are in place to define and differentiate roles and responsibilities for human-AI configurations and oversight of AI systems. GOVERN 4: Organizational teams are committed to a culture	D6-CTL-01, D6-CTL-03, D6-CTL-07	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
GOVERN 4.1	Organizational policies and practices are in place to foster a critical thinking and safety-first mindset in the design, development, deployment, and uses of AI systems to minimize potential negative impacts. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 1: Categories and subcategories for the GOVERN function. (Continued) that considers and communicates AI risk.	D1-CTL-05, D2-CTL-03, D3-CTL-04, D5-CTL-01, D5-CTL-02, D5-CTL-03	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.

NIST ID	NIST outcome	GAISSF controls	Coverage	Rel.	Confidence	Gap / further work
GOVERN 4.2	Organizational teams document the risks and potential impacts of the AI technology they design, develop, deploy, evaluate, and use, and they communicate about the impacts more broadly.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
GOVERN 4.3	Organizational practices are in place to enable AI testing, identification of incidents, and information sharing. GOVERN 5: Processes are in place for robust engagement with relevant AI actors.	D2-CTL-01, D2-CTL-06, D5-CTL-04, D6-CTL-02, D7-CTL-H02	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
GOVERN 5.1	Organizational policies and practices are in place to collect, consider, prioritize, and integrate feedback from those external to the team that developed or deployed the AI system regarding the potential individual and societal impacts related to AI risks.	D7-CTL-H05	Indirectly Supported	C	Low	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
GOVERN 5.2	Mechanisms are established to enable the team that developed or deployed AI systems to regularly incorporate adjudicated feedback from relevant AI actors into system design and implementation. GOVERN 6: Policies and procedures are in place to address AI risks and benefits arising from third-party software and data and other supply chain issues.	D4-CTL-02, D4-CTL-03, D4-CTL-04, D4-CTL-05, D4-CTL-06, D4-CTL-07	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
GOVERN 6.1	Policies and procedures are in place that address AI risks associated with third-party entities, including risks of infringement of a third-party's intellectual property or other rights.	D4-CTL-02, D4-CTL-03	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
GOVERN 6.2	Contingency processes are in place to handle failures or incidents in third-party data or AI systems deemed to be high-risk. Categories Subcategories 5.2 Map The MAP function establishes the context to frame risks related to an AI system. The AI lifecycle consists of many interdependent activities involving a diverse set of actors (See Figure 3). In practice, AI actors in charge of one part of the process often do not have full visibility or control over other parts and their associated contexts.	D1-CTL-01, D4-CTL-01, D4-CTL-02, D4-CTL-03, D4-CTL-04, D7-CTL-H02	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MAP 1.1	Intended purposes, potentially beneficial uses, contextspecific laws, norms and expectations, and prospective settings in which the AI system will be deployed are understood and documented. Considerations include: the specific set or types	D3-CTL-03, D3-CTL-05, D3-CTL-06	Partially Addressed	P	Medium	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.

NIST ID	NIST outcome	GAISSF controls	Coverage	Rel.	Confidence	Gap / further work
	of users along with their expectations; potential positive and negative impacts of system uses to individuals, communities, organizations, society, and the planet; assumptions and related limitations about AI system purposes, uses, and risks across the development or product AI lifecycle; and related TEVV and system metrics.					
MAP 1.2	Interdisciplinary AI actors, competencies, skills, and capacities for establishing context reflect demographic diversity and broad domain and user experience expertise, and their participation is documented. Opportunities for interdisciplinary collaboration are prioritized.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MAP 1.3	The organization's mission and relevant goals for AI technology are understood and documented.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MAP 1.4	The business value or context of business use has been clearly defined or - in the case of assessing existing AI systems - re-evaluated.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MAP 1.5	Organizational risk tolerances are determined and documented.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MAP 1.6	System requirements (e.g., "the system shall respect the privacy of its users") are elicited from and understood by relevant AI actors. Design decisions take socio-technical implications into account to address AI risks. MAP 2: Categorization of the AI system is performed.	D3-CTL-03, D3-CTL-05, D3-CTL-06, D4-CTL-05, D5-CTL-05	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MAP 2.1	The specific tasks and methods used to implement the tasks that the AI system will support are defined (e.g., classifiers, generative models, recommenders).	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MAP 2.2	Information about the AI system's knowledge limits and how system output may be utilized and overseen by humans is documented. Documentation provides sufficient information to assist relevant AI actors when making decisions and taking subsequent actions. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 2: Categories and subcategories for the MAP function. (Continued)	D8-CTL-01	Indirectly Supported	S	Medium	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MAP 2.3	Scientific integrity and TEVV considerations are identified and documented, including	D3-CTL-02, D3-CTL-04, D5-CTL-02, D5-CTL-03, D5-CTL-06	Partially Addressed	P	Medium	NIST requires organizationand context-specific application; additional evidence may be

NIST ID	NIST outcome	GAISSE controls	Coverage	Rel.	Confidence	Gap / further work
	those related to experimental design, data collection and selection (e.g., availability, representativeness, suitability), system trustworthiness, and construct validation. MAP 3: AI capabilities, targeted usage, goals, and expected benefits and costs compared with appropriate benchmarks are understood.					needed for actors, impacts, risk tolerance, and lifecycle context.
MAP 3.1	Potential benefits of intended AI system functionality and performance are examined and documented.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
MAP 3.2	Potential costs, including non-monetary costs, which result from expected or realized AI errors or system functionality and trustworthiness - as connected to organizational risk tolerance - are examined and documented.	D8-CTL-01	Indirectly Supported	S	Medium	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MAP 3.3	Targeted application scope is specified and documented based on the system's capability, established context, and AI system categorization.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
MAP 3.4	Processes for operator and practitioner proficiency with AI system performance and trustworthiness - and relevant technical standards and certifications - are defined, assessed, and documented.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
MAP 3.5	Processes for human oversight are defined, assessed, and documented in accordance with organizational policies from the GOVERN function. MAP 4: Risks and benefits are mapped for all components of the AI system including third-party software and data.	D3-CTL-01, D3-CTL-07, D4-CTL-06, D4-CTL-07	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MAP 4.1	Approaches for mapping AI technology and legal risks of its components - including the use of third-party data or software - are in place, followed, and documented, as are risks of infringement of a third party's intellectual property or other rights.	D4-CTL-05	Partially Addressed	P	Medium	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MAP 4.2	Internal risk controls for components of the AI system, including third-party AI technologies, are identified and documented. MAP 5: Impacts to individuals, groups, communities, organizations, and society are characterized.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
MAP 5.1	Likelihood and magnitude of each identified impact (both potentially beneficial and harmful) based on expected use, past uses of AI systems in similar contexts, public incident	D1-CTL-05, D5-CTL-01, D5-CTL-04	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.

NIST ID	NIST outcome	GAISSE controls	Coverage	Rel.	Confidence	Gap / further work
	reports, feedback from those external to the team that developed or deployed the AI system, or other data are identified and documented. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 2: Categories and subcategories for the MAP function. (Continued)					
MAP 5.2	Practices and personnel for supporting regular engagement with relevant AI actors and integrating feedback about positive, negative, and unanticipated impacts are in place and documented. Categories Subcategories 5.3 Measure The MEASURE function employs quantitative, qualitative, or mixed-method tools, techniques, and methodologies to analyze, assess, benchmark, and monitor AI risk and related impacts. It uses knowledge relevant to AI risks identified in the MAP function and informs the MANAGE function. AI systems should be tested before their deployment and regularly while in operation.	D1-CTL-02, D1-CTL-03, D1-CTL-09, D2-CTL-02, D2-CTL-03, D2-CTL-04	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MEASURE 1.1	Approaches and metrics for measurement of AI risks enumerated during the MAP function are selected for implementation starting with the most significant AI risks. The risks or trustworthiness characteristics that will not - or cannot - be measured are properly documented.	D2-CTL-05	Partially Addressed	P	Medium	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MEASURE 1.2	Appropriateness of AI metrics and effectiveness of existing controls are regularly assessed and updated, including reports of errors and potential impacts on affected communities.	D2-CTL-04	Partially Addressed	P	Medium	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MEASURE 1.3	Internal experts who did not serve as front-line developers for the system and/or independent assessors are involved in regular assessments and updates. Domain experts, users, AI actors external to the team that developed or deployed the AI system, and affected communities are consulted in support of assessments as necessary per organizational risk tolerance. MEASURE 2: AI systems are evaluated for trustworthy characteristics.	D3-CTL-02	Partially Addressed	P	Medium	NIST requires organizationand context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MEASURE 2.1	Test sets, metrics, and details about the tools used during TEVV are documented.	D1-CTL-04, D1-CTL-06, D1-CTL-08, D2-CTL-06	Partially Addressed	P	Medium	NIST requires organizationand context-specific application; additional evidence may be

NIST ID	NIST outcome	GAISSF controls	Coverage	Rel.	Confidence	Gap / further work
						needed for actors, impacts, risk tolerance, and lifecycle context.
MEASURE 2.2	Evaluations involving human subjects meet applicable requirements (including human subject protection) and are representative of the relevant population.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 2.3	AI system performance or assurance criteria are measured qualitatively or quantitatively and demonstrated for conditions similar to deployment setting(s). Measures are documented.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 2.4	The functionality and behavior of the AI system and its components - as identified in the MAP function - are monitored when in production.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 2.5	The AI system to be deployed is demonstrated to be valid and reliable. Limitations of the generalizability beyond the conditions under which the technology was developed are documented. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 3: Categories and subcategories for the MEASURE function. (Continued)	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 2.6	The AI system is evaluated regularly for safety risks - as identified in the MAP function. The AI system to be deployed is demonstrated to be safe, its residual negative risk does not exceed the risk tolerance, and it can fail safely, particularly if made to operate beyond its knowledge limits. Safety metrics reflect system reliability and robustness, real-time monitoring, and response times for AI system failures.	D1-CTL-02, D1-CTL-05, D1-CTL-08, D1-CTL-09, D2-CTL-02, D2-CTL-03	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MEASURE 2.7	AI system security and resilience - as identified in the MAP function - are evaluated and documented.	D1-CTL-04, D1-CTL-06, D1-CTL-08, D2-CTL-01, D2-CTL-02, D2-CTL-04	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MEASURE 2.8	Risks associated with transparency and accountability - as identified in the MAP function - are examined and documented.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 2.9	The AI model is explained, validated, and documented, and AI system output is interpreted within its context - as identified in the MAP function - to inform responsible use and governance.	D3-CTL-01, D3-CTL-07	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MEASURE 2.10	Privacy risk of the AI system - as identified in the MAP function - is examined and documented.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.

NIST ID	NIST outcome	GAISSF controls	Coverage	Rel.	Confidence	Gap / further work
MEASURE 2.11	Fairness and bias - as identified in the MAP function - are evaluated and results are documented.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 2.12	Environmental impact and sustainability of AI model training and management activities - as identified in the MAP function - are assessed and documented.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 2.13	Effectiveness of the employed TEVV metrics and processes in the MEASURE function are evaluated and documented. MEASURE 3: Mechanisms for tracking identified AI risks over time are in place.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 3.1	Approaches, personnel, and documentation are in place to regularly identify and track existing, unanticipated, and emergent AI risks based on factors such as intended and actual performance in deployed contexts.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 3.2	Risk tracking approaches are considered for settings where AI risks are difficult to assess using currently available measurement techniques or where metrics are not yet available. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 3: Categories and subcategories for the MEASURE function. (Continued)	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 3.3	Feedback processes for end users and impacted communities to report problems and appeal system outcomes are established and integrated into AI system evaluation metrics. MEASURE 4: Feedback about efficacy of measurement is gathered and assessed.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 4.1	Measurement approaches for identifying AI risks are connected to deployment context(s) and informed through consultation with domain experts and other end users. Approaches are documented.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 4.2	Measurement results regarding AI system trustworthiness in deployment context(s) and across the AI lifecycle are informed by input from domain experts and relevant AI actors to validate whether the system is performing consistently as intended. Results are documented.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSF control mapping was identified in this edition.
MEASURE 4.3	Measurable performance improvements or declines	D1-CTL-01, D1-CTL-04, D1-CTL-06, D1-CTL-07, D2-	Substantially Addressed	SP	Medium-High	NIST requires organizationand context-specific application;

NIST ID	NIST outcome	GAISSE controls	Coverage	Rel.	Confidence	Gap / further work
	based on consultations with relevant AI actors, including affected communities, and field data about context-relevant risks and trustworthiness characteristics are identified and documented. Categories Subcategories 5.4 Manage The MANAGE function entails allocating risk resources to mapped and measured risks on a regular basis and as defined by the GOVERN function. Risk treatment comprises plans to respond to, recover from, and communicate about incidents or events.	CTL-01, D3-CTL-01				additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MANAGE 1.1	A determination is made as to whether the AI system achieves its intended purposes and stated objectives and whether its development or deployment should proceed.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
MANAGE 1.2	Treatment of documented AI risks is prioritized based on impact, likelihood, and available resources or methods.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
MANAGE 1.3	Responses to the AI risks deemed high priority, as identified by the MAP function, are developed, planned, and documented. Risk response options can include mitigating, transferring, avoiding, or accepting.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
MANAGE 1.4	Negative residual risks (defined as the sum of all unmitigated risks) to both downstream acquirers of AI systems and end users are documented. MANAGE 2: Strategies to maximize AI benefits and minimize negative impacts are planned, prepared, implemented, documented, and informed by input from relevant AI actors.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
MANAGE 2.1	Resources required to manage AI risks are taken into account - along with viable non-AI alternative systems, approaches, or methods - to reduce the magnitude or likelihood of potential impacts.	D8-CTL-02	Partially Addressed	P	Medium	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MANAGE 2.2	Mechanisms are in place and applied to sustain the value of deployed AI systems.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
MANAGE 2.3	Procedures are followed to respond to and recover from a previously unknown risk when it is identified.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
MANAGE 2.4	Mechanisms are in place and applied, and responsibilities are assigned and understood, to supersede, disengage, or deactivate AI systems that demonstrate performance or	D1-CTL-01, D1-CTL-07	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.

NIST ID	NIST outcome	GAISSE controls	Coverage	Rel.	Confidence	Gap / further work
	outcomes inconsistent with intended use. MANAGE 3: AI risks and benefits from third-party entities are managed.					
MANAGE 3.1	AI risks and benefits from third-party resources are regularly monitored, and risk controls are applied and documented.	D1-CTL-07, D4-CTL-04	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MANAGE 3.2	Pre-trained models which are used for development are monitored as part of AI system regular monitoring and maintenance. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 4: Categories and subcategories for the MANAGE function. (Continued) MANAGE 4: Risk treatments, including response and recovery, and communication plans for the identified and measured AI risks are documented and monitored regularly.	D1-CTL-02, D1-CTL-03, D8-CTL-04, D9-CTL-04, D9-CTL-05	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MANAGE 4.1	Post-deployment AI system monitoring plans are implemented, including mechanisms for capturing and evaluating input from users and other relevant AI actors, appeal and override, decommissioning, incident response, recovery, and change management.	D1-CTL-03, D1-CTL-09, D6-CTL-05, D8-CTL-04, D9-CTL-01, D9-CTL-05	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.
MANAGE 4.2	Measurable activities for continual improvements are integrated into AI system updates and include regular engagement with interested parties, including relevant AI actors.	—	Not Addressed	N	Not Rated	No sufficiently direct GAISSE control mapping was identified in this edition.
MANAGE 4.3	Incidents and errors are communicated to relevant AI actors, including affected communities. Processes for tracking, responding to, and recovering from incidents and errors are followed and documented. Categories Subcategories 6. AI RMF Profiles AI RMF use-case profiles are implementations of the AI RMF functions, categories, and subcategories for a specific setting or application based on the requirements, risk tolerance, and resources of the Framework user: for example, an AI RMF hiring profile or an AI RMF fair housing profile.	D4-CTL-07, D6-CTL-06	Substantially Addressed	SP	Medium-High	NIST requires organization and context-specific application; additional evidence may be needed for actors, impacts, risk tolerance, and lifecycle context.

Annex C — NIST AI RMF Core Index

ID	Function	Verified subcategory text
GOVERN 1.1	GOVERN	Legal and regulatory requirements involving AI are understood, managed, and documented.
GOVERN 1.2	GOVERN	The characteristics of trustworthy AI are integrated into organizational policies, processes, procedures, and practices.
GOVERN 1.3	GOVERN	Processes, procedures, and practices are in place to determine the needed level of risk management activities based on the organization's risk tolerance.
GOVERN 1.4	GOVERN	The risk management process and its outcomes are established through transparent policies, procedures, and other controls based on organizational risk priorities. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 1: Categories and subcategories for the GOVERN function. (Continued)
GOVERN 1.5	GOVERN	Ongoing monitoring and periodic review of the risk management process and its outcomes are planned and organizational roles and responsibilities clearly defined, including determining the frequency of periodic review.
GOVERN 1.6	GOVERN	Mechanisms are in place to inventory AI systems and are resourced according to organizational risk priorities.
GOVERN 1.7	GOVERN	Processes and procedures are in place for decommissioning and phasing out AI systems safely and in a manner that does not increase risks or decrease the organization's trustworthiness. GOVERN 2: Accountability structures are in place so that the appropriate teams and individuals are empowered, responsible, and trained for mapping, measuring, and managing AI risks.
GOVERN 2.1	GOVERN	Roles and responsibilities and lines of communication related to mapping, measuring, and managing AI risks are documented and are clear to individuals and teams throughout the organization.
GOVERN 2.2	GOVERN	The organization's personnel and partners receive AI risk management training to enable them to perform their duties and responsibilities consistent with related policies, procedures, and agreements.
GOVERN 2.3	GOVERN	Executive leadership of the organization takes responsibility for decisions about risks associated with AI system development and deployment. GOVERN 3: Workforce diversity, equity, inclusion, and accessibility processes are prioritized in the mapping, measuring, and managing of AI risks throughout the lifecycle.
GOVERN 3.1	GOVERN	Decision-making related to mapping, measuring, and managing AI risks throughout the lifecycle is informed by a diverse team (e.g., diversity of demographics, disciplines, experience, expertise, and backgrounds).
GOVERN 3.2	GOVERN	Policies and procedures are in place to define and differentiate roles and responsibilities for human-AI configurations and oversight of AI systems. GOVERN 4: Organizational teams are committed to a culture
GOVERN 4.1	GOVERN	Organizational policies and practices are in place to foster a critical thinking and safety-first mindset in the design, development, deployment, and uses of AI systems to minimize potential negative impacts. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 1: Categories and subcategories for the GOVERN function. (Continued) that considers and communicates AI risk.
GOVERN 4.2	GOVERN	Organizational teams document the risks and potential impacts of the AI technology they design, develop, deploy, evaluate, and use, and they communicate about the impacts more broadly.
GOVERN 4.3	GOVERN	Organizational practices are in place to enable AI testing, identification of incidents, and information sharing. GOVERN 5: Processes are in place for robust engagement with relevant AI actors.
GOVERN 5.1	GOVERN	Organizational policies and practices are in place to collect, consider, prioritize, and integrate feedback from those external to the team that developed or deployed the AI system regarding the potential individual and societal impacts related to AI risks.
GOVERN 5.2	GOVERN	Mechanisms are established to enable the team that developed or deployed AI systems to regularly incorporate adjudicated feedback from relevant AI actors into system design and implementation. GOVERN 6: Policies and procedures are in place to address AI risks and benefits arising from third-party software and data and other supply chain issues.
GOVERN 6.1	GOVERN	Policies and procedures are in place that address AI risks associated with third-party entities, including risks of infringement of a third-party's intellectual property or other rights.
GOVERN 6.2	GOVERN	Contingency processes are in place to handle failures or incidents in third-party data or AI systems deemed to be high-risk. Categories Subcategories 5.2 Map The MAP function establishes the context to frame risks related to an AI system.

ID	Function	Verified subcategory text
		The AI lifecycle consists of many interdependent activities involving a diverse set of actors (See Figure 3). In practice, AI actors in charge of one part of the process often do not have full visibility or control over other parts and their associated contexts.
MAP 1.1	MAP	Intended purposes, potentially beneficial uses, contexts specific laws, norms and expectations, and prospective settings in which the AI system will be deployed are understood and documented. Considerations include: the specific set or types of users along with their expectations; potential positive and negative impacts of system uses to individuals, communities, organizations, society, and the planet; assumptions and related limitations about AI system purposes, uses, and risks across the development or product AI lifecycle; and related TEVV and system metrics.
MAP 1.2	MAP	Interdisciplinary AI actors, competencies, skills, and capacities for establishing context reflect demographic diversity and broad domain and user experience expertise, and their participation is documented. Opportunities for interdisciplinary collaboration are prioritized.
MAP 1.3	MAP	The organization's mission and relevant goals for AI technology are understood and documented.
MAP 1.4	MAP	The business value or context of business use has been clearly defined or - in the case of assessing existing AI systems - re-evaluated.
MAP 1.5	MAP	Organizational risk tolerances are determined and documented.
MAP 1.6	MAP	System requirements (e.g., "the system shall respect the privacy of its users") are elicited from and understood by relevant AI actors. Design decisions take socio-technical implications into account to address AI risks. MAP 2: Categorization of the AI system is performed.
MAP 2.1	MAP	The specific tasks and methods used to implement the tasks that the AI system will support are defined (e.g., classifiers, generative models, recommenders).
MAP 2.2	MAP	Information about the AI system's knowledge limits and how system output may be utilized and overseen by humans is documented. Documentation provides sufficient information to assist relevant AI actors when making decisions and taking subsequent actions. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 2: Categories and subcategories for the MAP function. (Continued)
MAP 2.3	MAP	Scientific integrity and TEVV considerations are identified and documented, including those related to experimental design, data collection and selection (e.g., availability, representativeness, suitability), system trustworthiness, and construct validation. MAP 3: AI capabilities, targeted usage, goals, and expected benefits and costs compared with appropriate benchmarks are understood.
MAP 3.1	MAP	Potential benefits of intended AI system functionality and performance are examined and documented.
MAP 3.2	MAP	Potential costs, including non-monetary costs, which result from expected or realized AI errors or system functionality and trustworthiness - as connected to organizational risk tolerance - are examined and documented.
MAP 3.3	MAP	Targeted application scope is specified and documented based on the system's capability, established context, and AI system categorization.
MAP 3.4	MAP	Processes for operator and practitioner proficiency with AI system performance and trustworthiness - and relevant technical standards and certifications - are defined, assessed, and documented.
MAP 3.5	MAP	Processes for human oversight are defined, assessed, and documented in accordance with organizational policies from the GOVERN function. MAP 4: Risks and benefits are mapped for all components of the AI system including third-party software and data.
MAP 4.1	MAP	Approaches for mapping AI technology and legal risks of its components - including the use of third-party data or software - are in place, followed, and documented, as are risks of infringement of a third party's intellectual property or other rights.
MAP 4.2	MAP	Internal risk controls for components of the AI system, including third-party AI technologies, are identified and documented. MAP 5: Impacts to individuals, groups, communities, organizations, and society are characterized.
MAP 5.1	MAP	Likelihood and magnitude of each identified impact (both potentially beneficial and harmful) based on expected use, past uses of AI systems in similar contexts, public incident reports, feedback from those external to the team that developed or deployed the AI system, or other data are identified and documented. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 2: Categories and subcategories for the MAP function. (Continued)
MAP 5.2	MAP	Practices and personnel for supporting regular engagement with relevant AI

ID	Function	Verified subcategory text
		actors and integrating feedback about positive, negative, and unanticipated impacts are in place and documented. Categories Subcategories 5.3 Measure The MEASURE function employs quantitative, qualitative, or mixed-method tools, techniques, and methodologies to analyze, assess, benchmark, and monitor AI risk and related impacts. It uses knowledge relevant to AI risks identified in the MAP function and informs the MANAGE function. AI systems should be tested before their deployment and regularly while in operation.
MEASURE 1.1	MEASURE	Approaches and metrics for measurement of AI risks enumerated during the MAP function are selected for implementation starting with the most significant AI risks. The risks or trustworthiness characteristics that will not - or cannot - be measured are properly documented.
MEASURE 1.2	MEASURE	Appropriateness of AI metrics and effectiveness of existing controls are regularly assessed and updated, including reports of errors and potential impacts on affected communities.
MEASURE 1.3	MEASURE	Internal experts who did not serve as front-line developers for the system and/or independent assessors are involved in regular assessments and updates. Domain experts, users, AI actors external to the team that developed or deployed the AI system, and affected communities are consulted in support of assessments as necessary per organizational risk tolerance. MEASURE 2: AI systems are evaluated for trustworthy characteristics.
MEASURE 2.1	MEASURE	Test sets, metrics, and details about the tools used during TEVV are documented.
MEASURE 2.2	MEASURE	Evaluations involving human subjects meet applicable requirements (including human subject protection) and are representative of the relevant population.
MEASURE 2.3	MEASURE	AI system performance or assurance criteria are measured qualitatively or quantitatively and demonstrated for conditions similar to deployment setting(s). Measures are documented.
MEASURE 2.4	MEASURE	The functionality and behavior of the AI system and its components - as identified in the MAP function - are monitored when in production.
MEASURE 2.5	MEASURE	The AI system to be deployed is demonstrated to be valid and reliable. Limitations of the generalizability beyond the conditions under which the technology was developed are documented. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 3: Categories and subcategories for the MEASURE function. (Continued)
MEASURE 2.6	MEASURE	The AI system is evaluated regularly for safety risks - as identified in the MAP function. The AI system to be deployed is demonstrated to be safe, its residual negative risk does not exceed the risk tolerance, and it can fail safely, particularly if made to operate beyond its knowledge limits. Safety metrics reflect system reliability and robustness, real-time monitoring, and response times for AI system failures.
MEASURE 2.7	MEASURE	AI system security and resilience - as identified in the MAP function - are evaluated and documented.
MEASURE 2.8	MEASURE	Risks associated with transparency and accountability - as identified in the MAP function - are examined and documented.
MEASURE 2.9	MEASURE	The AI model is explained, validated, and documented, and AI system output is interpreted within its context - as identified in the MAP function - to inform responsible use and governance.
MEASURE 2.10	MEASURE	Privacy risk of the AI system - as identified in the MAP function - is examined and documented.
MEASURE 2.11	MEASURE	Fairness and bias - as identified in the MAP function - are evaluated and results are documented.
MEASURE 2.12	MEASURE	Environmental impact and sustainability of AI model training and management activities - as identified in the MAP function - are assessed and documented.
MEASURE 2.13	MEASURE	Effectiveness of the employed TEVV metrics and processes in the MEASURE function are evaluated and documented. MEASURE 3: Mechanisms for tracking identified AI risks over time are in place.
MEASURE 3.1	MEASURE	Approaches, personnel, and documentation are in place to regularly identify and track existing, unanticipated, and emergent AI risks based on factors such as intended and actual performance in deployed contexts.
MEASURE 3.2	MEASURE	Risk tracking approaches are considered for settings where AI risks are difficult to assess using currently available measurement techniques or where metrics are not yet available. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 3: Categories and subcategories for the MEASURE function. (Continued)
MEASURE 3.3	MEASURE	Feedback processes for end users and impacted communities to report problems and appeal system outcomes are established and integrated into AI system evaluation metrics. MEASURE 4: Feedback about efficacy of

ID	Function	Verified subcategory text
		measurement is gathered and assessed.
MEASURE 4.1	MEASURE	Measurement approaches for identifying AI risks are connected to deployment context(s) and informed through consultation with domain experts and other end users. Approaches are documented.
MEASURE 4.2	MEASURE	Measurement results regarding AI system trustworthiness in deployment context(s) and across the AI lifecycle are informed by input from domain experts and relevant AI actors to validate whether the system is performing consistently as intended. Results are documented.
MEASURE 4.3	MEASURE	Measurable performance improvements or declines based on consultations with relevant AI actors, including affected communities, and field data about contextrelevant risks and trustworthiness characteristics are identified and documented. Categories Subcategories 5.4 Manage The MANAGE function entails allocating risk resources to mapped and measured risks on a regular basis and as defined by the GOVERN function. Risk treatment comprises plans to respond to, recover from, and communicate about incidents or events.
MANAGE 1.1	MANAGE	A determination is made as to whether the AI system achieves its intended purposes and stated objectives and whether its development or deployment should proceed.
MANAGE 1.2	MANAGE	Treatment of documented AI risks is prioritized based on impact, likelihood, and available resources or methods.
MANAGE 1.3	MANAGE	Responses to the AI risks deemed high priority, as identified by the MAP function, are developed, planned, and documented. Risk response options can include mitigating, transferring, avoiding, or accepting.
MANAGE 1.4	MANAGE	Negative residual risks (defined as the sum of all unmitigated risks) to both downstream acquirers of AI systems and end users are documented. MANAGE 2: Strategies to maximize AI benefits and minimize negative impacts are planned, prepared, implemented, documented, and informed by input from relevant AI actors.
MANAGE 2.1	MANAGE	Resources required to manage AI risks are taken into account - along with viable non-AI alternative systems, approaches, or methods - to reduce the magnitude or likelihood of potential impacts.
MANAGE 2.2	MANAGE	Mechanisms are in place and applied to sustain the value of deployed AI systems.
MANAGE 2.3	MANAGE	Procedures are followed to respond to and recover from a previously unknown risk when it is identified.
MANAGE 2.4	MANAGE	Mechanisms are in place and applied, and responsibilities are assigned and understood, to supersede, disengage, or deactivate AI systems that demonstrate performance or outcomes inconsistent with intended use. MANAGE 3: AI risks and benefits from third-party entities are managed.
MANAGE 3.1	MANAGE	AI risks and benefits from third-party resources are regularly monitored, and risk controls are applied and documented.
MANAGE 3.2	MANAGE	Pre-trained models which are used for development are monitored as part of AI system regular monitoring and maintenance. Categories Subcategories Continued on next page NIST AI 100-1 AI RMF 1.0 Table 4: Categories and subcategories for the MANAGE function. (Continued) MANAGE 4: Risk treatments, including response and recovery, and communication plans for the identified and measured AI risks are documented and monitored regularly.
MANAGE 4.1	MANAGE	Post-deployment AI system monitoring plans are implemented, including mechanisms for capturing and evaluating input from users and other relevant AI actors, appeal and override, decommissioning, incident response, recovery, and change management.
MANAGE 4.2	MANAGE	Measurable activities for continual improvements are integrated into AI system updates and include regular engagement with interested parties, including relevant AI actors.
MANAGE 4.3	MANAGE	Incidents and errors are communicated to relevant AI actors, including affected communities. Processes for tracking, responding to, and recovering from incidents and errors are followed and documented. Categories Subcategories 6. AI RMF Profiles AI RMF use-case profiles are implementations of the AI RMF functions, categories, and subcategories for a specific setting or application based on the requirements, risk tolerance, and resources of the Framework user: for example, an AI RMF hiring profile or an AI RMF fair housing profile.

Annex D — Quality-Assurance Record

Check	Result
GAISSE control inventory	59 controls reconciled to GAISSE-NOR-004 v1.0 (published 1 Jul 2026; updated 4 Oct 2026)
NIST subcategory inventory	72 unique Core subcategories extracted from NIST AI 100-1
Bidirectional register	Completed — technical reconciliation; independent review open
Unsupported equivalence claims	Removed; relationship codes do not include equivalence
Playbook/Core distinction	Preserved
GenAI Profile separation	Preserved
Future revision caveat	Included
Notably Absent discipline	Included
Applicable-Control Baseline	52 D1-D8 + applicable D9; D9 remains additional/conditional
NIST target status	AI RMF 1.0 (January 2023) retained as target edition; NIST revision in progress during 2026
Publication status	Public technical candidate; Final Publication awaits independent crosswalk review

Change Log

Version	Date	Change
1.0	29 June 2026	Initial publication candidate; complete bidirectional mapping and evidence-reuse guidance.
1.0	5 October 2026	Technical reconciliation: renamed document to GAISSE-CRO-022; aligned public distribution and Draft for Publication status, current GAISSE v1.0 dates and Applicable-Control Baseline; recorded NIST AI RMF 1.0 revision status; removed equivalence relationship code; cleaned annex rationales and source text; retained version identity v1.0.
1.0	5 Oct 2026	Structured publication artifacts reconciled; mapping record IDs normalized to GAISSE-CRO-022-MAP-####; status remains Draft for Publication.