NIST IR 84

| heory Relationship Map | pping (STRM) | | AI F | | T AI 600-1 rtificial Intelligence Profile | | | | |
|------------------------|--|---|-------------------|----------------------|--|----------------|--|-----------------------------|---------------|
| | Theory Relationship Mapp Secure Controls Framework https://securecontrolsfra | | | | Focal Document: Focal Document URL: Published STRM URL: | https://doi.or | 1 (AI RMF Generative Artificial Intelligence Profile) g/10.6028/NIST AI.600-1 econtrolsframework.com/content/strm/scf-strm-general-nist-ai-600-1.p | df | |
| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship | Notes (option |
| GOVERN 1.1 | N/A | Legal and regulatory requirements involving AI are understood, managed, and documented. | Functional | Intersects With | Statutory, Regulatory & Contractual Compliance | CPL-01 | Mechanisms exist to facilitate the identification and implementation of relevant statutory, regulatory and contractual controls. | (optional) 5 | |
| GOVERN 1.1 | N/A | Legal and regulatory requirements involving AI are understood, managed, and documented. | Functional | Intersects With | Cybersecurity & Data Protection Governance Program | GOV-01 | Mechanisms exist to facilitate the implementation of cybersecurity & data protection governance controls. | 5 | |
| GV-1.1-001 | N/A | Align GAI development and use with applicable laws and regulations, including those related to data privacy, copyright and intellectual property law. | Functional | Intersects With | Statutory, Regulatory & Contractual Compliance | CPL-01 | Mechanisms exist to facilitate the identification and implementation of relevant statutory, regulatory and contractual controls. | 5 | |
| GOVERN 1.2 | N/A | The characteristics of trustworthy AI are integrated into organizational policies, processes, procedures, and practices. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GOVERN 1.2 | N/A | The characteristics of trustworthy AI are integrated into organizational policies, processes, procedures, and practices. | Functional | Intersects With | Cybersecurity & Data Protection Governance Program | GOV-01 | Mechanisms exist to facilitate the implementation of cybersecurity & data protection governance controls. | 5 | |
| GOVERN 1.2 | N/A | The characteristics of trustworthy AI are integrated into organizational policies, processes, procedures, and practices. | Functional | Intersects With | Standardized Operating Procedures (SOP) | OPS-01.1 | Mechanisms exist to identify and document Standardized Operating Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks. | 5 | |
| GV-1.2-001 | N/A | Establish transparency policies and processes for documenting the origin and history of training data and generated data for GAI applications to advance digital content transparency, while balancing the proprietary nature of training approaches. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-1.2-002 | N/A | Establish policies to evaluate risk-relevant capabilities of GAI and robustness of safety measures, both prior to deployment and on an ongoing basis, through internal and external evaluations. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-1.2-002 | N/A | Establish policies to evaluate risk-relevant capabilities of GAI and robustness of safety measures, both prior to deployment and on an ongoing basis, through internal and external evaluations. | Functional | Intersects With | Cybersecurity & Data Protection Governance Program | GOV-01 | Mechanisms exist to facilitate the implementation of cybersecurity & data protection governance controls. | 5 | |
| GOVERN 1.3 | N/A | Processes, procedures, and practices are in place to determine the needed level of risk management activities based on the organization's risk tolerance. | Functional | Intersects With | Standardized Operating Procedures (SOP) | OPS-01.1 | Mechanisms exist to identify and document Standardized Operating Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks. | 5 | |
| GV-1.3-001 | N/A | Consider the following factors when updating or defining risk tires for GAIA buses and impacts to information indegity. Dependencies between GAI and other IT or data systems: Harm to fundamental rights or public safety; Presentation of obscene, objectionable, offensive, discriminatory, invalid or untruthful output; Psychological impacts to humans (e.g., anthropomorphization, algorithmic aversion, emotional entanglement); Possibility for emicicous use; Whether the system introduces significant new security vulnerabilities; Anticipated system impact on some groups compared to others: Unreliable decision making capabilities, validity, adaptability, and variability of GAI system performance over time. | Functional | No relationship | N/A | N/A | No applicable SCF control | N/A | |
| GV-1.3-002 | N/A | Establish minimum thresholds for performance or assurance criteria and review as part of deployment approval ("go/"no-go") policies, procedures, and processes, with reviewed processes and approval thresholds reflecting measurement of GAI capabilities and risks. | Functional | Intersects With | Measures of Performance | GOV-05 | Mechanisms exist to develop, report and monitor cybersecurity & data privacy program measures of performance. | 5 | |
| GV-1.3-002 | N/A | Establish minimum thresholds for performance or assurance criteria and review as part of deployment approval ("go/"no-go") policies, procedures, and processes, with reviewed processes and approval thresholds reflecting measurement of GAI capabilities and risks. | Functional | Intersects With | Key Performance Indicators (KPIs) | GOV-05.1 | Mechanisms exist to develop, report and monitor Key Performance Indicators (KPIs) to assist organizational management in performance monitoring and trend analysis of the cybersecurity & data privacy program. | 5 | |
| GV-1.3-003 | N/A | Establish a test plan and response policy, before developing highly capable models, to periodically evaluate whether the model may misuse CBRN information or capabilities and/or offensive cyber capabilities. | Functional | Subset Of | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) practices to enable Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the lifecycle of the AAT. | 10 | |
| GV-1.3-004 | N/A | Obtain input from stakeholder communities to identify unacceptable use, in accordance with activities in the AI RMF Map function. | Functional | Intersects With | Steering Committee & Program Oversight | GOV-01.1 | Mechanisms exist to coordinate cybersecurity, data protection and business alignment through a steering committee or advisory board, comprised of key cybersecurity, data privacy and business executives, which meets formally and on a regular basis. | 5 | |
| GV-1.3-005 | N/A | Maintain an updated hierarchy of identified and expected GAI risks connected to contexts of GAI model advancement and use, potentially including specialized risk levels for GAI systems that address issues such as model collapse and algorithmic monoculture. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-1.3-005 | N/A | Maintain an updated hierarchy of identified and expected GAI risks connected to contexts of GAI model advancement and use, potentially including specialized risk levels for GAI systems that address issues such as model collapse and algorithmic monoculture. | Functional | Intersects With | Al & Autonomous Technologies Risk Mapping | AAT-02.1 | Mechanisms exist to identify Artificial Intelligence (AI) and Autonomous Technologies (AAT) in use and map those components to potential legal risks, including statutory and regulatory compliance requirements. | 5 | |
| GV-1.3-006 | N/A | Revaluate organizational risk tolerances to account for unacceptable negative risk (such as where significant negative impacts are imminent, severe harms are actually occuring, or large-scale risks could occur); and broad GAI negative risks, includingImmature safety or risk cultures related to Al and GAI design, development and deployment, public information integrity risks, including immature on democratic processes, unknown long- term performance characteristics of GAI. | Functional | Intersects With | AI TEVV Safety Demonstration | AAT-10.4 | Mechanismo exist to demonstrate the Artificial Intelligence (Al) and Autonomous Technologies (ANT) to be deployed are safe, residual risk does not exceed the organization's risk tolerance and can fail safely, particularly if made to operate beyond its knowledge limits. | 5 | |
| GV-1.3-007 | N/A | Devise a plan to halt development or deployment of a GAI system that poses unacceptable negative risk. | Functional | Intersects With | Al & Autonomous Technologies Risk Response | AAT-18.1 | Mechanisms exist to prioritize, respond to and remediate Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks based on assessments and other analytical output. | 5 | |
| GOVERN 1.4 | N/A | The risk management process and its outcomes are established through transparent policies, procedures, and other controls based on organizational risk priorities. | Functional | Intersects With | Al & Autonomous Technologies Risk Management Decisions | AAT-07 | Mechanisms exist to leverage decision makers from a diversity of demographics, disciplines, experience, expertise and backgrounds for mapping, measuring and managing Artificial Intelligence (AI) and Autonomous Technologies (AT)-telated risks. | 5 | |
| GOVERN 1.4 | N/A | The risk management process and its outcomes are established through transparent policies, procedures, and other controls based on organizational risk priorities. | Functional | Intersects With | Risk Management Program | RSK-01 | Mechanisms exist to facilitate the implementation of strategic, operational and tactical risk management controls. | 5 | |
| | | | | | | | | | |

GV-1.4-001

GV-1.4-002

GOVERN 1.5

GOVERN 1.5

GV-1.5-001

GV-1.5-001

GV-1 5-001

GV-1.5-002

GV-1.5-002

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

periodic review.

erganizational risk priorities. Establish policies and mechanisms to prevent GAI systems from generating CSAM, NCII or content that violates the law.

Establish transparent acceptable use policies for GAI that address illegal use or applications of GAI.

Ongoing monitoring and periodic review of the risk management process

and its outcomes are planned, and organizational roles and responsibilities are clearly defined, including determining the frequency of

Ongoing monitoring and periodic review of the risk management process and its outcomes are planned, and organizational roles and

responsibilities are clearly defined, including determining the freque periodic review. Define organizational responsibilities for periodic review of content provenance and incident monitoring for GAI systems.

Define organizational responsibilities for periodic review of content

Define organizational responsibilities for periodic review of content provenance and incident monitoring for GAI systems. Establish organizational policies and procedures for after action reviews GAI system incident response and incident disclosure, to identify gaps; Update incident response and incident disclosure processes as required

Establish organizational policies and procedures for after action reviews o GAI system incident response and incident disclosures, to identify gaps; Update incident response and incident disclosure processes as required.

provenance and incident monitoring for GAI systems.

esponsibilities are clearly defined, including determining the frequency of

Functional

Functional

Functional

Functional

Functional

Functional

Functional

Functional

Functional

ersects W

tersects Wi

tersects Wit

tersects Wit

ntersects Wit

ntersects Wit

tersects Wit

ects W

ersects W

Cybersecurity & Data Protection Governance

Program Cybersecurity & Data Protection Governance

Program

ssigned Responsibilitie for AI & Autonomous

Technologies

Defined Roles &

Responsibilities

ssigned Responsibilitie for AI & Autonomous

Technologies

Data Source

Defined Roles & Responsibilities ificial Intelligence (A & Autonomous Technologies

Governance

ublishing Cybersecuri & Data Protection Documentation

Identificat

GOV-01

GOV-01

AAT-08

HRS-03

AAT-08

AAT-12.1

HRS-03

AAT-01

GOV-02

configurations: and

nfigurations: and

personnel.

Mechanisms exist to facilitate the implementation of cybersecurity & data protection governance controls.

Mechanisms exist to facilitate the implementation of cybersecurity & data protection governance controls.

(1) Artificial Intelligence (AI) and Autonomous Technologies (AAT)

chanisms exist to define and differentiate roles and responsibilities

(2) Oversight of AAT systems. Mechanisms exist to define cybersecurity roles & responsibilities for all

Mechanisms exist to define and differentiate roles and responsibilitie

(2) Oversight of AAT systems. Mechanisms exist to identify and document data sources utilized in the

Mechanisme exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). Mechanisme exist to define cybersecurity roles & responsibilities for all personnel. Mechanisme exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. Mechanisme exist to establish, maintain and disseminate cybersecurity & data protection policies, standards and procedures.

(1) Artificial Intelligence (AI) and Autonomous Technologies (AAT)

5

5

5

5

5

5

5

8

8

| Version 2025.2 | |
|----------------|--|
| 7/7/2025 | |
| | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|------------|----------|---|-------------------|----------------------|--|----------|--|---|------------------|
| GV-1.5-002 | N/A | Establish organizational policies and procedures for after action reviews of GAI system incident response and incident disclosures, to identify gaps; Update incident response and incident disclosure processes as required. | Functional | Intersects With | Standardized Operating Procedures (SOP) | OPS-01.1 | Mechanisms exist to identify and document Standardized Operating Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks. | (optional) 8 | |
| GV-1.5-003 | N/A | Maintain a document retention policy to keep history for test, evaluation, validation, and verification (TEVV), and digital content transparency methods for GAI. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (A) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-1.5-003 | N/A | Maintaina adocument retention policy to keep history for test, evaluation, validation, and verification (TEW), and digital content transparency methods for GAI. | Functional | Intersects With | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVU) practices to enable Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the <u>Ufecycle of the AAT</u> . | 8 | |
| GV-1.5-003 | N/A | Maintain a document retention policy to keep history for test, evaluation, validation, and verification (TEVV), and digital content transparency methods for GAI. | Functional | Intersects With | Media & Data Retention | DCH-18 | Mechanisms exist to retain media and data in accordance with applicable statutory, regulatory and contractual obligations. | 8 | |
| GOVERN 1.6 | N/A | Mechanisms are in place to inventory AI systems and are resourced according to organizational risk priorities. | Functional | Intersects With | Situational Awareness of AI & Autonomous Technologies | AAT-02 | Mechanisms exist to develop and maintain an inventory of Artificial Intelligence (AI) and Autonomous Technologies (AAT) (internal and third- party). | 5 | |
| GOVERN 1.6 | N/A | Mechanisms are in place to inventory Al systems and are resourced according to organizational risk priorities. | Functional | Intersects With | Asset Inventories | AST-02 | Mechanisms exist to perform invertories of technology assets that: (1) Accurately reflects the current systems, applications and services in use; (2) Identifies authorized software products, including business justification details; (3) Is at the level of granularity deemed necessary for tracking and reporting; (4) Includes organization-defined information deemed necessary to achive effective property accurate/billity, and (5) Is available for review and audit by designated organizational | 5 | |
| GV-1.6-001 | N/A | Enumerate organizational GAI systems for incorporation into AI system inventory and adjust AI system inventory requirements to account for GAI risks. | Functional | Intersects With | Situational Awareness of AI & Autonomous Technologies | AAT-02 | personnel. Mechanisms exist to develop and maintain an inventory of Artificial Intelligence (AI) and Autonomous Technologies (AAT) (internal and third- party). | 5 | |
| GV-1.6-001 | N/A | Enumerate organizational GAI systems for incorporation into AI system inventory and adjust AI system inventory requirements to account for GAI risks. | Functional | Intersects With | Asset Inventories | AST-02 | Mechanisms exist to parform inventories of technology assets that: (1) Accurately reflects the current systems, applications and services in use; (2) Identifies authorized software products, including business justification details; (3) Is at the level of granularity deemed necessary for tracking and reporting; (4) Includes organization-defined information deemed necessary to achive effective property accountality; and (5) Is available for review and audit by designated organizational personnel. | 5 | |
| GV-1.6-002 | N/A | Define any inventory exemptions in organizational policies for GAI systems embedded into application software. | Functional | Intersects With | Situational Awareness of AI & Autonomous Technologies | AAT-02 | Mechanisms exist to develop and maintain an inventory of Artificial Intelligence (AI) and Autonomous Technologies (AAT) (internal and third- party). | 5 | |
| GV-1.6-002 | N/A | Define any inventory exemptions in organizational policies for GAI systems embedded into application software. | Functional | Intersects With | Asset Inventories | AST-02 | Mechanisms exist to parform inventories of technology assets that: (1) Accurately reflects the current systems, applications and services in use; (2) Identifies authorized software products, including business justification details; (3) Is at the level of granularity deemed necessary for tracking and reporting; (4) Includes organization-defined information deemed necessary to achive effective property accountability; and (5) Is available for review and audit by designated organizational personnel. | 8 | |
| GV-1.6-003 | N/A | In addition to general model, governance, and risk information, consider the following items in GAI system inventory entrices Data provenance information (e.g., source, signatures, versioning, watermarks); Known issues reported from internal bug tracking or external information sharing resources (e.g., Al incident database, AVID, CVE, NVD, or OECO Al incident monitor); Human oversight roles and responsibilities; Special rights and considerations for intellectual property, licensed works, or personal, privilegad, proprietary or sensitive data; Underlying foundation models, versions of underlying models, and access modes. | Functional | No relationship | N/A | N/A | No applicable SCF control | N/A | |
| GOVERN 1.7 | N/A | 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. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GOVERN 1.7 | N/A | Processes and procedures are in place for decommissioning and phasing out Al systems safely and in a manner that does not increase risks or decrease the organization's trustworthiness. | Functional | Intersects With | Decommissioning | AST-30 | Mechanisms exist to ensure systems, applications and services are properly decommissioned so that data is properly transitioned to new systems or archived in accordance with applicable organizational standards, as well as statutory, regulatory and contractual obligations. | 5 | |
| GV-1.7-001 | N/A | Protocols are put in place to ensure GAI systems are able to be deactivated whennecessary. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-1.7-002 | N/A | Consider the following factors when decommissioning GAI systemsData retention requirements; Data security, e.g., containment, protocols, Data leakage after decommissioning; Dependencies between upstream, downstream, or other data, internet of things (IOT) or AI systems; Use of open-source data or models; Users' emotional entanglement with GAI functions. | Functional | No relationship | N/A | N/A | No applicable SCF control | N/A | |
| GOVERN 2.1 | N/A | 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. | Functional | Intersects With | Assigned Responsibilities for AI & Autonomous Technologies | AAT-08 | Mechanisms exist to define and differentiate roles and responsibilities for: (1) Artificial Intelligence (AI) and Autonomous Technologies (AAT) configurations; and (2) Oversight (AAT systems. | 5 | |
| GV-2.1-001 | N/A | Establish organizational roles, policies, and procedures for communicating GAI incidents and performance to AI Actors and downstream stakeholders (including those potentially impacted), via community or official resources (e.g., AI incident database, AVID, CVE, NVD, or OECD AI incident monitor). | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial intelligence (AI) and Autonemous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-2.1-001 | N/A | Establish organizational roles, policies, and procedures for communicating GAI incidents and performance to AI Actors and downstream stakeholders (including those potentially impacted), via community or official resources (e.g., AI incident database, AVID, CVE, NVD, or OECD AI incident monitor). | Functional | Intersects With | Assigned Responsibilities for AI & Autonomous Technologies | AAT-08 | Mechanisms exist to define and differentiate roles and responsibilities for: (1) Artificial Intelligence (AI) and Autonomous Technologies (AAT) configurations; and (2) Oversight of AAT systems. | 5 | |
| GV-2.1-002 | N/A | Establish procedures to engage teams for GAI system incident response with diverse composition and responsibilities based on the particular incident type. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-2.1-002 | N/A | Establish procedures to engage teams for GAI system incident response with diverse composition and responsibilities based on the particular incident type. | Functional | Intersects With | Assigned Responsibilities for AI & Autonomous Technologies | AAT-08 | Mechanisms exist to define and differentiate roles and responsibilities for: (1) Artificial Intelligence (AI) and Autonomous Technologies (AAT) configurations; and (2) Oversight of AAT systems. | 5 | |
| GV-2.1-003 | N/A | Establish processes to verify the AI Actors conducting GAI incident response tasks demonstrate and maintain the appropriate skills and training. | Functional | Intersects With | AI & Autonomous Technologies Training | AAT-05 | Mechanisms exist to ensure personnel and external stakeholders are provided with position-specific risk management training for Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| GV-2.1-004 | N/A | When systems may raise national security risks, involve national security professionals in mapping, measuring, and managing those risks. | Functional | Subset Of | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 10 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|------------|----------|--|-------------------|----------------------|--|----------|---|---|------------------|
| GV-2.1-004 | N/A | When systems may raise national security risks, involve national security professionals in mapping, measuring, and managing those risks. | Functional | Intersects With | Al & Autonomous Technologies High Risk Designations | AAT-09.1 | Mechanisms exist to designate Artificial Intelligence (AI) and Autonomous Technologies (AAT) "High Risk" of one(1), or more, of the follow criteria are met: (1) AAT is used as a safety component of a product or service; (2) AAT poses a significant risk of harm to an individual's health, safety or fundamental rights; and/or (3) AAT materially influences the outcome of an individual's decision making. | 8 | |
| GV-2.1-004 | N/A | When systems may raise national security risks, involve national security professionals in mapping, measuring, and managing those risks. | Functional | Intersects With | Serious Incident Reporting For AI & Autonomous Technologies | AAT-16.9 | Mechanisms exist to report any serious incident involving operational Artificial Intelligence (A) and Autonomous Technologies (AT) to relevant authorities as to when and where the serious incident occurred, in accordance with mandated reporting timelines. | 3 | |
| GV-2.1-004 | N/A | When systems may raise national security risks, involve national security professionals in mapping, measuring, and managing those risks. | Functional | Intersects With | Contacts With Authorities | GOV-06 | Mechanisms exist to identify and document appropriate contacts with relevant law enforcement and regulatory bodies. | 5 | |
| GV-2.1-005 | N/A | Create mechanisms to provide protections for whistleblowers who report, based on reasonable belief, when the organization violates relevant laws or poses a specific and empirically well-substantiated negative risk to public safety (or has already caused harm). Policies and procedures are in place to define and differentiate roles and | Functional | Intersects With | Reporting Suspicious Activities | HRS-15 | Mechanisms exist to enable personnel to report suspicious activities and/or behavior without fear of reprisal or other negative consequences (e.g., whistleblower protections). Mechanisms exist to define and differentiate roles and responsibilities | 5 | |
| GOVERN 3.2 | N/A | rouces and procedures are in place to define and unreinitiate fores and responsibilities for human-Al configurations and oversight of Al systems. | Functional | Intersects With | Assigned Responsibilities for AI & Autonomous Technologies | AAT-08 | for: (1) Artificial Intelligence (AI) and Autonomous Technologies (AAT) configurations; and (2) Oversight of AAT systems. | 5 | |
| GV-3.2-001 | N/A | Policies are in place to bolster oversight of GAI systems with independent evaluations or assessments of GAI models or systems where the type and robustness of evaluations are proportional to the identified risks. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-3.2-002 | N/A | Consider adjustment of organizational roles and components across lifecycle stages of large or complex CAI systems, including Test and evaluation, validation, and red-tearning of CAI systems; CAI content moderation; CAI system development and engineering; Increased accessibility of CAI tools, interfaces, and systems, Incident response and containment. | Functional | No relationship | N/A | N/A | No applicable SCF control | N/A | |
| GV-3.2-003 | N/A | Define acceptable use policies for GAI interfaces, modalities, and human- Al configurations (i.e., for chatbots and decision-making tasks), including criteria for the kinds of queries GAI applications should refuse to respond to. | Functional | Subset Of | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (A) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 10 | |
| GV-3.2-003 | N/A | Define acceptable use policies for GAI interfaces, modalities, and human- AI configurations (i.e., for chatots and decision-making tasks), including criteria for the kinds of queries GAI applications should refuse to respond to. | Functional | Intersects With | Product Conformity Governance | TDA-21 | Mechanisms exist to ensure developed products and/or services conform to applicable statutory and regulatory requirements, based on the product's and/or service's: (1) Use case(s); and (2) Geographic markets. | 8 | |
| GV-3.2-004 | N/A | Establish policies for user feedback mechanisms for GAI systems which include thorough instructions and any mechanisms for recourse. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-3.2-004 | N/A | Establish policies for user feedback mechanisms for GAI systems which include thorough instructions and any mechanisms for recourse. | Functional | Intersects With | AI & Autonomous Technologies End User Feedback | AAT-11.3 | Mechanisms exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |
| GV-3.2-005 | N/A | Engage in threat modeling to anticipate potential risks from GAI systems. | Functional | Intersects With | Threat Modeling | TDA-06.2 | Mechanisms exist to perform threat modelling and other secure design techniques, to ensure that threats to software and solutions are identified and accounted for. | 5 | |
| GOVERN 4.1 | N/A | Organizational policies and practices are in place to foster a critical thinking and safety-first mindset in the design, development, deployment, and uses of Al systems to minimize potential negative impacts. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (A) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GOVERN 4.1 | N/A | Organizational policies and practices are in place to foster a critical thinking and safety-first midset in the design, development, deployment, and uses of AI systems to minimize potential negative impacts. | Functional | Intersects With | Cybersecurity & Data Protection Governance Program | GOV-01 | Mechanisms exist to facilitate the implementation of cybersecurity & data protection governance controls. | 5 | |
| GV-4.1-001 | N/A | Establish porces and procedures that autoes commany miprovement processes for CAI risk measurement. Address general risks associated with a lack of explainability and transparency in GAI systems by using ample documentation and techniques such asapplication of gradient-based attributions, occlusion/term reduction, counterfactual prompts and prompt engineering, and analysis of embeddings. Assess and update risk measurement approaches at regular academose. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | mediatania sust to ensule pointes, processes, procurates and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-4.1-002 | N/A | Establish policies, procedures, and processes detailing risk measurement in context of use with standardized measurement protocols and structured public feedback exercises such as AI red-teaming or independent external evaluations. | Functional | Subset Of | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-4.1-002 | N/A | Establish policies, procedures, and processes detailing risk measurement in context of use with standardized measurement protocols and structured public feedback exercises such as AI red-teaming or independent external evaluations. | Functional | Intersects With | AI & Autonomous Technologies Risk Mapping | AAT-02.1 | Mechanisms exist to identify Artificial Intelligence (A) and Autonomous Technologies (AAT) in use and map those components to potential legal risks, including statutory and regulatory compliance requirements. Mechanisms exist to define the potential likelihood and impact of each | 8 | |
| GV-4.1-002 | N/A | Establish policies, procedures, and processes detailing risk measurement in context of use with standardized measurement protocols and structured public feedback exercises such as AI red-teaming or independent external evaluations. Establish policies, procedures, and processes detailing risk measurement | Functional | Intersects With | Al & Autonomous Technologies Likelihood & Impact Risk Analysis | AAT-07.2 | mechanisms exist to define the potential uselinood and impact of each identified risk based on expected use and particular Intelligence (AI) and Autonomous Technologies (AAT) in similar contexts. Mechanisms exist to define the criteria as to whether Artificial | 8 | |
| GV-4.1-002 | N/A | in context of use with standardized measurement protocols and structured public feedback exercises such as AI red-teaming or independent external evaluations. Establish policies, procedures, and processes detailing risk measurement | Functional | Intersects With | AI & Autonomous Technologies Viability Decisions Responsibility To | AAT-15 | Intelligence (A) and Autonomous Technologies (AT) achieved intended purposes and stated objectives to determine whether its development or deployment should proceed. Mechanisms exist to define the criteria and responsible party(ies) for | 3 | |
| GV-4.1-002 | N/A | in context of use with standardized measurement protocols and structured public feedback exercises such as AI red-teaming or independent external evaluations. | Functional | Intersects With | Supersede, Deactivate and/or Disengage AI & Autonomous Technologies | AAT-15.2 | superseding, disengaging or deactivating Artificial Intelligence (AI) and Autonomous Technologies (AAT) that demonstrate performance or outcomes inconsistent with intended use. | 3 | |
| GV-4.1-003 | N/A | Establish policies, procedures, and processes for oversight functions (e.g., senior leadership, legal, compliance, including internal evaluation) across the GAI lifecycle, from problem formulation and supply chains to system decommission. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and manging of Artificial Intelligence (A) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GV-4.1-003 | N/A | Establish policies, procedures, and processes for oversight functions (e.g., senior leadership, legal, compliance, including internal evaluation) across the GAI lifecycle, from problem formulation and supply chains to system decommission. Organizational teams document the risks and potential impacts of the AI | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (A) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and <u>unanticipated impacts</u> . Mechanisms exist to define the potential likelihood and impact of each | 5 | |
| GOVERN 4.2 | N/A | Organizational teams document the risks and potential impacts of the AI technology the design, develop, deploy, evaluate, and use, and they communicate about the impacts more broadly. Organizational teams document the risks and potential impacts of the AI | Functional | Intersects With | Al & Autonomous Technologies Likelihood & Impact Risk Analysis | AAT-07.2 | Mechanisms exist to define the potential likelihood and impact of each identified risk based on expected use and past uses of Artificial Intelligence (AI) and Autonomous Technologies (AAT) in similar contexts. Mechanisms exist to document the risks and potential impacts of | 5 | |
| GOVERN 4.2 | N/A | technology they design, develop, deploy, evaluate, and use, and they communicate about the impacts more broadly. | Functional | Intersects With | Al & Autonomous Technologies Risk Profiling | AAT-09 | Artificial Intelligence (A) and Autonomous Technologies (AAT) that are: (1) Designed: (2) Developed; (3) Deployed; (4) Evaluated; and/or (5) Used. | 5 | |
| GV-4.2-001 | N/A | Establish terms of use and terms of service for GAI systems. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (A) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 3 | |
| GV-4.2-001 | N/A | Establish terms of use and terms of service for GAI systems. Include relevant AI Actors in the GAI system risk identification process. | Functional | Intersects With | Use of Critical Technologies Al & Autonomous | HRS-05.4 | Mechanisms exist to govern usage policies for critical technologies. Mechanisms exist to identify Artificial Intelligence (AI) and Autonomous | 8 | |
| GV-4.2-002 | N/A | | Functional | Intersects With | Al & Autonomous Technologies Risk Mapping | AAT-02.1 | Technologies (AAT) in use and map those components to potential legal risks, including statutory and regulatory compliance requirements. | 8 | |

| Version 2025.2 |
|----------------|
| 7/7/2025 |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM | STRM | SCF Control | SCF # | Secure Controls Framework (SCF) | Strength of Relationship | Notes (optional) |
|--------------------------|------------|---|------------|-----------------|---|----------------------|---|-----------------------------|------------------|
| 102.8 | | Include relevant Al Actors in the GAI system risk identification process. | Rationale | Relationship | | | Control Description Mechanisms exist to document the risks and potential impacts of | (optional) | Notos (spitonal) |
| GV-4.2-002 | N/A | | Functional | Intersects With | Al & Autonomous Technologies Risk Profiling | AAT-09 | Artificial Intelligence (AI) and Autonomous Technologies (AAT) that are: (1) Designed; (2) Developed; (3) Deployed; (4) Evaluated; and/or (5) Used. | 3 | |
| GV-4.2-002 | N/A | Include relevant AI Actors in the GAI system risk identification process. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (AI) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 5 | |
| GV-4.2-002 | N/A | Include relevant AI Actors in the GAI system risk identification process. | Functional | Intersects With | AI & Autonomous Technologies End User Feedback | AAT-11.3 | Mechanisms exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |
| GV-4.2-002 | N/A | Include relevant AI Actors in the GAI system risk identification process. | Functional | Intersects With | Risk Identification | RSK-03 | Mechanisms exist to identify and document risks, both internal and external. | 5 | |
| GV-4.2-003 | N/A | Verify that downstream GAI system impacts (such as the use of third-party plugins) are included in the impact documentation process. | Functional | Intersects With | Al & Autonomous Technologies Impact Assessment | AAT-07.1 | Mechanisms exist to assess the impact(s) of proposed Artificial Intelligence (AI) and Autonomous Technologies (AAT) on individuals, groups, communities, organizations and society (e.g., Fundamental Rights Impact Assessment (FRIA)). | 10 | |
| GOVERN 4.3 | N/A | Organizational practices are in place to enable AI testing, identification of incidents, and information sharing. | Functional | Intersects With | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) practices to enable Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the lifexcute of the AAT. | 5 | |
| GV4.3001 | N/A | Establish policies for measuring the effectiveness of employed content provenance methodologies (e.g., cryptography, watermarking, steganography, etc.) | Functional | Intersects With | Measuring AI & Autonomous Technologies Effectiveness | AAT-16.2 | Mechanisms exist to regularly assess the effectiveness of existing controls, including reports of errors and potential impacts on affected communities. | 8 | |
| GV-4.3-002 | N/A | Establish organizational practices to identify the minimum set of criteria necessary for CAI system incident reporting such as System ID (auto- generated most likely), Title, Reporter, System/Source, Data Reported, Date of Incident, Description, Impact(s), Stakeholder(s) Impacted. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 8 | |
| GV-4.3-002 | N/A | Establish organizational practices to identify the minimum set of criteria necessary for GAI system incident reporting such as System ID (auto- generated most likely), Title, Reporter, System/Source, Data Reported, Date of Incident, Description, Impact(s), Stakeholder(s) Impacted. | Functional | Intersects With | Al & Autonomous Technologies Event Logging | AAT-16.8 | Mechanisms exist to ensure Artificial Intelligence (AI) and Autonomous Technologies (AAT) system event logging capabilities at a minimum provide: (1) Start date, start time, end date and end time for each use; (2) Database(s) against which input data has been checked by the system; (3) Input data for which the search has led to a match; and (4) Identification of Individual(s) involved in the verification of the | 8 | |
| GV-4.3-002 | N/A | Establish organizational practices to identify the minimum set of criteria necessary for GAI system incident reporting such as System ID (auto- generated most likely), Title, Reporter System/Source, Data Reported, Date of Incident, Description, Impact(a), Staksholder(s) Impacted. | Functional | Intersects With | Serious Incident Reporting For AI & Autonomous Technologies | AAT-16.9 | results. Mechanisms exist to report any serious incident involving operational Artificial Intelligence (A) and Autonomous Technologies (AT) to relevant authorities as to when and where the serious incident occurred, in accordance with mandated reporting timelines. | 5 | |
| GV-4.3-002 | N/A | Establish organizational practices to identify the minimum set of criteria necessary for GAI system incident reporting such as System ID (auto- generated most likely). Title, Reporter, System/Source, Data Reported, Date of Incident, Description, Impact(s), Stakeholder(s) Impacted. | Functional | Intersects With | Continuous Monitoring | MON-01 | Mechanisms exist to facilitate the implementation of enterprise-wide monitoring controls. | 8 | |
| GV-4.3-003 | N/A | Verify information sharing and feedback mechanisms among individuals and organizations regarding any negative impact from GAI systems. | Functional | Intersects With | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEV/) practices to enable Artificial Intelligence (A) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the lifexcycle of the AAT. | 5 | |
| GV-4.3-003 | N/A | Verify information sharing and feedback mechanisms among individuals and organizations regarding any negative impact from GAI systems. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (AI) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticinated impacts. | 5 | |
| GOVERN 5.1 | N/A | 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. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (AI) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 5 | |
| GV-5.1-001 | N/A | Allocate time and resources for outreach, feedback, and recourse processes in GAI system development. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (A) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 5 | |
| GV-5.1-001 | N/A | Allocate time and resources for outreach, feedback, and recourse processes in GAI system development. | Functional | Intersects With | AI & Autonomous Technologies Stakeholder Feedback Integration | AAT-11.1 | Mechanisms exist to regularly collect, consider, prioritize and integrate risk-related feedback from those external to the team that developed or deployed Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| GV-5.1-001 | N/A | Allocate time and resources for outreach, feedback, and recourse processes in GAI system development. | Functional | Intersects With | AI & Autonomous Technologies End User Feedback | AAT-11.3 | Mechanisms exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |
| GV-5.1-002 | N/A | Document interactions with GAI systems to users prior to interactive activities, particularly in contexts involving more significant risks. | Functional | Intersects With | & Impact Risk Analysis | AAT-07.2 | Mechanisms exist to define the potential likelihood and impact of each identified risk based on expected use and past uses of Artificial Intelligence (AI) and Autonomous Technologies (AAT) in similar contexts. | 5 | |
| GOVERN 6.1 | N/A | 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. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (A) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GOVERN 6.1 | N/A | 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. Categorize different types of GAI content with associated third-party rights | Functional | Intersects With | Al & Autonomous Technologies Intellectual Property Infringement Protections Al & Autonomous | AAT-12 | Mechanisms exist to prevent third-party Intellectual Property (IP) rights infringement by Artificial Intelligence (AI) and Autonomous Technologies (AAT). Mechanisms exist to prevent third-party Intellectual Property (IP) rights | 5 | |
| GV-6.1-001 | N/A | Categorize different types of GAI content with associated time-party rights (e.g., copyright, intellectual property, data privacy). | Functional | Intersects With | Technologies Intellectual Property Infringement Protections | AAT-12 | mechanisms exist to prevent mire-party intellectual roperty (in' rights infringement by Artificial Intelligence (AI) and Autonomous Technologies (AAT). Mechanisms exist to identify and document data sources utilized in the | 5 | |
| GV-6.1-001 | N/A | (e.g., copyright, intellectual property, data privacy). | Functional | Intersects With | Data Source Identification Cybersecurity & Data | AAT-12.1 | Mechanisms exist to identify and occument data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). Mechanisms exist to provide all employees and contractors | 5 | |
| GV-6.1-002 | N/A | parties to promote best practices for managing GAI risks. Develop and validate approaches for measuring the success of content | Functional | Subset Of | Privacy Awareness Training AI TEVV Benchmarking | SAT-02 | appropriate awareness education and training that is relevant for their job function. Mechanisms exist to benchmark the verifiable lineage and origin of | 10 | |
| GV-6.1-003 | N/A | provenance management efforts with third parties (e.g., incidents detected and response times). Develop and validate approaches for measuring the success of content | Functional | Intersects With | Data Source | AAT-10.17 | content used by Artificial Intelligence (AI) and Autonomous Technologies (AAT) according to industry -recognized standards. Mechanisms exist to identify and document data sources utilized in the | 8 | |
| GV-6.1-003 GV-6.1-004 | N/A N/A | provenance management efforts with third parties (e.g., incidents detected and response times). Draft and maintain well-defined contracts and service level agreements (SLAs) that specify content ownership, usage rights, quality standards, security requirements, and content provenance expectations for GAI | Functional | Intersects With | Identification | AAT-12.1 AAT-12.1 | training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). Mechanisms exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). | 8 | |
| GV-6.1-004 | N/A | systems. Draft and maintain well-defined contracts and service level agreements (SLAs) that specify content ownership, usage rights, quality standards, security requirements, and content provenance expectations for GAI | Functional | Intersects With | Adequate Security for Sensitive / Regulated Data In Support of | IAO-03.2 | Mechanisms exist to protect sensitive / regulated data that is collected, developed, received, transmitted, used or stored in support of the performance of a contract. | 5 | |
| GV-6.1-004 | N/A | systems. Draft and maintain well-defined contracts and service level agreements (SLAs) that specify content ownership, usage rights, quality standards, security requirements, and content provenance expectations for GAI systems. | Functional | Subset Of | Contracts Third-Party Contract Requirements | TPM-05 | Mechanisms exist to require contractual requirements for cybersecurity & data privacy requirements with third-parties, reflecting the organization's needs to protect its systems, processes and data. | 10 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|------------|----------|---|-------------------|----------------------|--|----------|--|---|------------------|
| GV-6.1-005 | N/A | Implement a use-cased based supplier risk assessment framework to evaluate and monitor third-party entities performance and adherence to content provenance standards and technologies to detect anomalies unauthorized changes; services acquisition and value chain risk management; and legat compliance.e. | Functional | Intersects With | Third-Party Risk Assessments & Approvals | TPM-04.1 | Mechanisms exist to conduct a risk assessment prior to the acquisition or outsourcing of technology-related services. | | |
| GV-6.1-006 | N/A | Include clauses in contracts which allow an organization to evaluate third- party GAI processes and standards. | Functional | Intersects With | Third-Party Risk Assessments & Approvals | TPM-04.1 | Mechanisms exist to conduct a risk assessment prior to the acquisition or outsourcing of technology-related services. | 5 | |
| GV-6.1-007 | N/A | Inventory all third-party entities with access to organizational content and establish approved GAI technology and service provider lists. | Functional | Intersects With | | TPM-01.1 | Mechanisms exist to maintain a current, accurate and complete list of External Service Providers (ESPs) that can potentially impact the Confidentiality, Integrity, Availability and/or Safety (CIAS) of the organization's systems, applications, services and data. | 5 | |
| GV-6.1-008 | N/A | Maintain records of changes to content made by third parties to promote content provenance, including sources, timestamps, metadata. | Functional | Intersects With | Data Source Identification | AAT-12.1 | Mechanisms exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| GV-6.1-008 | N/A | Maintain records of changes to content made by third parties to promote content provenance, including sources, timestamps, metadata. | Functional | Intersects With | Digital Content Modification Logging | AAT-12.4 | Mechanisms exist to ensure Artificial Intelligence and Autonomous Technologies (AAT): (1) Enable auditing of content modifications; and | 8 | |
| GV-6.1-009 | N/A | Update and integrate due diligence processes for GAI acquisition and procurment vendor assessments to include intellectual property, data privacy, security, and other risks. For example, update processes to Address solutions that may rely on embedded GAI technologies; Address and real-time reporting tools for monitoring third-party GAI risks; Consider policy adjustments across GAI modeling libraries, tools and APIs, fine- tuned models, and embedded tools; Assess GAI worders, poen- source or proprietary GAI socie providers against incident or vulnerability databases. | Functional | Subset Of | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | [2] Cenerate event logs for content-related changes. Mechanisms exist to ensure policies, processare, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (A) and Autonomous Technologies (AT)-related risks are in place, transparent and implemented effectively. | 10 | |
| GV-6.1-009 | N/A | Update and integrate due diligence processes for GAI acquisition and procurement vendor assessments to include intellectual property, data privacy, security, and other risks. For example, update processes to Address solutions that may rely on embedded GAI technologies, Address ongoing montoring, assessments, and learting, dynamic risk assessments, and real-time reporting tools for monitoring third-party GAI risks, Consider policy adjustments across GAI modeling libraries, tools and APIs, fine- tuned models, and embedded tools; Assess GAI vendors, open-source or proprietary GAI tools, or CAI service providers against incident or vulnerability databases. | Functional | Intersects With | Third-Party Management | TPM-01 | Mechanisms exist to facilitate the implementation of third-party management controls. | 8 | |
| GV-6.1-009 | N/A | Update and integrate due diligence processes for GAI acquisition and procurement vender assessments to include intellactual property, data privacy, security, and other risks. For example, update processes to Address solutions that may rely on embedded GAI technologies; Address ongoing monitoring, assessments, and larting, dynamic risk assessments, and real-time reporting tools for monitoring third-party GAI risks; Consider policy adjustments across GAI modeling libraries, tools and APIs, fine- noler update, and embedded tools; Assess GAI vendors, open-source or proprietary GAI tools, or GAI service providers against incident or yuthersality databases. | Functional | Intersects With | Third-Party Risk Assessments & Approvats | TPM-04.1 | Mechanisms exist to conduct a risk assessment prior to the acquisition or outsourcing of technology-related services. | 5 | |
| GV-6.1-010 | N/A | Update GAI acceptable use policies to address proprietary and open- source GAI technologies and data, and contractors, consultants, and other third-party personnel. | Functional | Intersects With | Rules of Behavior | HRS-05.1 | Mechanisms exist to define acceptable and unacceptable rules of behavior for the use of technologies, including consequences for unacceptable behavior. | 8 | |
| GV-6.1-010 | N/A | Update GAI acceptable use policies to address proprietary and open- source GAI technologies and data, and contractors, consultants, and other third-party personnel. | Functional | Intersects With | Technology Use Restrictions | HRS-05.3 | Mechanisms exist to establish usage restrictions and implementation guidance for organizational technologies based on the potential to cause damage to systems, if used maliciously. | 8 | |
| GV-6.1-010 | N/A | Update GAI acceptable use policies to address proprietary and open- source GAI technologies and data, and contractors, consultants, and other third-party personnel. | Functional | Intersects With | Third-Party Contract Requirements | TPM-05 | Mechanisms exist to require contractual requirements for cybersecurity & data privacy requirements with third-parties, reflecting the organization's needs to protect its systems, processes and data. | 5 | |
| GOVERN 6.2 | N/A | Contingency processes are in place to handle failures or incidents in third- party data or AI systems deemed to be high-risk. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| GOVERN 6.2 | N/A | Contingency processes are in place to handle failures or incidents in third- party data or AI systems deemed to be high-risk. | Functional | Intersects With | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) practices to enable Artificial Intelligence (A) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the lifexcute of the AAT. | 5 | |
| GOVERN 6.2 | N/A | Contingency processes are in place to handle failures or incidents in third- party data or AI systems deemed to be high-risk. | Functional | Intersects With | Al & Autonomous Technologies Incident & Error Reporting | AAT-11.4 | Mechanisms exist to communicate Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related incidents and/or errors to relevant stakeholders, including affected communities. | 5 | |
| GV-6.2-001 | N/A | Document GAI risks associated with system value chain to identify over- reliance on third-party data and to identify fallbacks. | Functional | Intersects With | Al & Autonomous Technologies System Value Chain | AAT-25 | Mechanisms exist to document the sequence of events and relevant stakeholders involved in creating and deploying Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| GV-6.2-001 | N/A | Document GAI risks associated with system value chain to identify over- reliance on third-party data and to identify fallbacks. | Functional | Intersects With | Al & Autonomous Technologies System Value Chain Fallbacks | AAT-25.1 | Mechanisms exist to identify: (1) Over-reliance on third-party data with Artificial Intelligence (AI) and Autonomous Technologies (AAT); and (2) Fallback methods to address the inability to access third-party data, as necessary. | 5 | |
| GV-6.2-002 | N/A | Document incidents involving third-party GAI data and systems, including open- data and open-source software. Document incidents involving third-party GAI data and systems, including | Functional | Intersects With | Open Source Software | CFG-04.1 | Mechanisms exist to establish parameters for the secure use of open source software. Mechanisms exist to mitigate the risks associated with third-party | 5 | |
| GV-6.2-002 | N/A | open- data and open-source software. Establish incident response plans for third-party GAI technologies Align | Functional | Intersects With | Third-Party Services | TPM-04 | access to the organization's systems and data. Mechanisms exist to maintain and make available a current and viable | 5 | |
| GV-6.2-003 | N/A | Incident response plans with impacts enumerated in MAP 5.1; Communicate third-party GAI incident response plans to all relevant AI Actors; Define ownership of GAI incident response functions; Rehearse third-party GAI incident response plans at a regular cadence; improve incident response plans based on retrospective learning; Review incident response plans for alignment with relevant breach reporting, data orotection, date orivex; or other lews. | Functional | Intersects With | Incident Response Plan (IRP) | IRO-04 | Incident Response Plan (IRP) to all stakeholders. | 5 | |
| GV-6.2-003 | N/A | Establish incident response plans for third-party GAI technologies Align incident response plans with impacts enumerated in MAP 5.1; Communicate third-party GAI incident response plans to all relevant AI Actors; Define ownership of GAI incident response functions; Rehearse third-party GAI incident response plans at a regular cadence; Improve incident response plans based on retrospective learning; Review incident response plans for alignment with relevant breach reporting, data arotection, data orivacv.or other lews. | Functional | Intersects With | Incident Response Testing | IRO-06 | Mechanisms exist to formally test incident response capabilities through realistic exercises to determine the operational effectiveness of those capabilities. | 5 | |
| GV-6.2-003 | N/A | Establish incident response plans for third-party GAI technologies Align incident response plans with impacts enumerated in MAP 5.1; Communicate third-party GAI incident response plans to all relevant AI Actors; Define ownership of GAI incident response functions; Rehearse third-party GAI incident response plans at a regular cadence; Improve incident response plans based on retrospective learning; Review incident response plans to ralignment with relevant breach reporting, data orotection, data arivacy. or other lews. | Functional | Intersects With | Third-Party Incident Response & Recovery Capabilities | TPM-11 | Mechanisms exist to ensure response/recovery planning and testing are conducted with critical suppliers/providers. | 5 | |
| GV-6.2-004 | N/A | Establish policies and procedures for continuous monitoring of third-party GAI systems in deployment. Establish policies and procedures that address GAI data redundancy, | Functional | Intersects With | Continuous Monitoring Artificial Intelligence (AI) | MON-01 | Mechanisms exist to facilitate the implementation of enterprise-wide monitoring controls. Mechanisms exist to ensure policies, processes, procedures and | 5 | |
| GV-6.2-005 | N/A | Establish policies and procedures that address GAI data redundancy, including model weights and other system artifacts. | Functional | Intersects With | Artificial intelligence (Al) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 8 | |
| GV-6.2-005 | N/A | Establish policies and procedures that address GAI data redundancy, including model weights and other system artifacts. | Functional | Intersects With | Al & Autonomous Technologies Risk Profiling | AAT-09 | In place, transparent and implemented emercyex. Mechanisms exist to document the risks and potential impacts of Artificial Intelligence (AI) and Autonomous Technologies (AAT) that are: (1) Designed: (2) Developed; (3) Deployed; (4) Evaluated; and/or (5) Used. | 5 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|------------|----------|---|-------------------|----------------------|--|----------|---|---|------------------|
| | | Establish policies and procedures that address GAI data redundancy, including model weights and other system artifacts. | | | | | Mechanisms exist to design and implement product management processes to proactively govern the design, development and production of products and/or services across the System Development Life Cycle (SDLC) to: | (optional) | |
| GV-6.2-005 | N/A | | Functional | Intersects With | Product Management | TDA-01.1 | Improve functionality; Enhance security and resiliency capabilities; Correct security deficiencies; and Corrform with applicable statutory, regulatory and/or contractual obligations. | 8 | |
| GV-6.2-006 | N/A | Establish policies and procedures to test and manage risks related to rollower and Fillback technologies for GAI systems, acknowledging that rollower and fallback may include manual processing. | Functional | Intersects With | Al & Autonomous Technologies System Value Chain Fallbacks | AAT-25.1 | Mechanisms exist to identify: (1) Over-reliace on third-party data with Artificial Intelligence (AI) and Autonomous Technologies (AAT); and (2) Failback methods to address the inability to access third-party data, as necessary. | 5 | |
| GV-6.2-007 | N/A | Review wendor contracts and avoid arbitrary or capricious termination of critical CAB technologies or vendor services and non-standard terms that may amplify or defer liability in unexpected ways and/or contribute to unauthorized data collection by vendors or third-parties (e.g., secondary data use). Consider Clear assignment of liability and responsibility for incidents, CAB system changes over time (e.g., fine-tuning, drift, decay); RequestNotification and disclosure for serious incidents arising from third- party data and systems; Sarvice user Japense (E.JAs) in vendor contracts that address incident response, response times, and availability of critical suport. | Functional | Subset Of | Third-Party Management | TPM-01 | Mechanisms exist to facilitate the implementation of third-party management controls. | 10 | |
| GV-6.2-007 | N/A | Review vendor contracts and avoid arbitrary or capricious termination of critical C4N technologies or vendor services and non-standard terms that may amplify or defer liability in unexpected ways and/or contribute to unauthorized data collection by vendors or third-parties (e.g., secondary data use). Consider Clear assignment of liability and responsibility rincidents, CAI system changes over time (e.g., fine-tuning, drift, decay); RequestNotification and disclosure for serious incidents arising from third- party data and systems; Service Level Agreements (SLAs) in vendor contracts that address incident response, response times, and availability of critical support. | Functional | Intersects With | Third-Party Contract Requirements | TPM-05 | Mechanisms exist to require contractual requirements for cybersecurity & data privacy requirements with third-parties, reflecting the organization's needs to protect its systems, processes and data. | 8 | |
| MAP 1.1 | N/A | Intended purposes, potentially beneficial uses, context specific laws, norms and expectations, and prospective settings in which the 44 system will be deployed are understood and documented. Considerations includethe specific set or types of users along with their applications; potential positive and negative impacts of system uses to individuals, communities, organizations, society, and the planet; assumptions and related limitations about A1 system purposes, uses, and risks across the development or product A1 lifecycle; and related TEW and system metrics. | Functional | Intersects With | Al & Autonomous Technologies Context Definition | AAT-03 | Mechanisms exist to establish and document the context surrounding Artificial Intelligence (AI) and Autonomous Technologies (AAT), including; (1) Intended purposes; (2) Potentially beneficial uses; (3) Context-specific laws and regulations; (4) Norms and explorations; and (5) Prospective settings in which the system(s) will be deployed. | 5 | |
| MP-1.1-001 | N/A | When identifying intended purposes, consider factors such as internal vs. external use, narrow vs. broad application scope, fine-tuning, and varieties of data sources (e.g., grounding, retrieval-augmented generation). | Functional | Intersects With | AI & Autonomous Technologies Context Definition | AAT-03 | Mechanisms exist to establish and document the context surrounding Artificial Intelligence (A) and Autonomous Technologies (AAT), including: (1) Intended purposes; (2) Potentially beneficial uses; (3) Cortext-specific laws and regulations; (4) Norms and expectations; and (5) Frossective sattins in which the system(s) will be decloved. | 5 | |
| MP-1.1-002 | N/A | Determine and document the expected and acceptable GAI system context of use in collaboration with socio-outlural and other domain experts, by assessing Assumptions and limitations. Direct value to the organization; intended operational environment and observed usage patterns; Potential positive and negative impacts to individuals, public safety, groups, communities, organizations, democratic institutions, and the physical environment; Social norms and expectations. | Functional | Intersects With | AI & Autonomous Technologies Context Definition | AAT-03 | Mechanisms exist to establish and document the context surrounding Artificial Intelligence (A) and Autonomous Technologies (AAT), including; (1) Intended purposes; (2) Potomially beneficial uses; (3) Context-specific laws and regulations; (4) Norms and espectations; and (5) Prospective settings in which the system(a) will be decloved. | 5 | |
| MP-1.1-002 | N/A | Determine and document the expected and acceptable GAI system context of use in collaboration with socio-cultural and other domain experts, by assessing Assumptions and limitations; Direct value to the organization; Intended operational environment and observed usage patterms; Potential positive and negative impacts to individuals, public astey, groups, communities, organizations, democratic institutions, and the physical environment: Social norms and exocertations. | Functional | Intersects With | Al & Autonomous Technologies Likelihood & Impact Risk Analysis | AAT-07.2 | Mechanisms exist to define the potential likelihood and impact of each identified risk based on expected use and past uses of Artificial intelligence (Al) and Autonomous Technologies (AAT) in similar contexts. | 5 | |
| MP-1.1-003 | N/A | Document risk measurement plans to address identified risks. Plans may include, as applicable Individual and group cognitive biases (e.g., confirmation bias, funding bias, groupthink) for Al Actors involved in the design, implementation, and use of GAI systems; Known past GAI system incidents and failure modes; in-context use and foreseable misuse, abuse, and off-label use; Over reliance on quantitative metrics and methodologies without sufficient avareness of their limitations in the context(s) of use; Standard measurement and structured human feedback aboroaches: knitoinated human- Al confluerations. | Functional | Intersects With | AI & Autonomous Technologies Risk Management Decisions | AAT-07 | Mechanisms exist to leverage decision makers from a diversity of demographic, Acciplines, experience and backgrounds for mapping, measuring and managing Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks. | 5 | |
| MP-1.1-003 | N/A | Document risk measurement plans to address identified risks. Plans may include, as applicable individual and group cognitive biases (e.g., confirmation bias, funding bias, groupthink) for A Actors involved in the design, implementation, and use of GA systems; Known past GA system incidents and failure modes; in-context use and foreseeable misuse, abuse, and off-label use; Over reliance on quantitative metrics and methodologies without sufficient awareness of their limitations in the context(s) of use; Standard measurement and structured human feedback approaches, knlicipateh human-Al configurations. | Functional | Intersects With | Al & Autonomous Technologies Risk Profiling | AAT-09 | Mechanisms exist to document the risks and potential impacts of Artificial Intelligence (A) and Autonomous Technologies (AAT) that are: (1) Designed; (2) Devisoped; (3) Deployed; (4) Evaluated; and/or (5) Used. | 5 | |
| MP-1.1-004 | N/A | Identify and document foreseeable illegal uses or applications of the GAI system that surpass organizational risk tolerances. | Functional | Intersects With | Al & Autonomous Technologies Risk Mapping | AAT-02.1 | Mechanisms exist to identify Artificial Intelligence (AI) and Autonomous Technologies (AAT) in use and map those components to potential legal risks, including statutory and regulatory compliance requirements. | 5 | |
| MP-1.1-004 | N/A | Identify and document foreseeable illegal uses or applications of the GAI system that surpass organizational risk tolerances. | Functional | Intersects With | Al & Autonomous Technologies Risk Profiling | AAT-09 | Mechanisms exist to document the risks and potential impacts of Artificial Intelligence (A) and Autonomous Technologies (AAT) that are: (1) Designed; (2) Developed; (3) Deployed; (4) Evaluated; and/or (5) Used. | 8 | |
| MP-1.1-004 | N/A | Identify and document foreseeable illegal uses or applications of the GAI system that surpass organizational risk tolerances. | Functional | Intersects With | AI & Autonomous Technologies Output Filtering | AAT-27 | Mechanisms exist to prevent Artificial Intelligence (A) and Autonomous Technologies (AAT) from generating content that is: (1) Imperpropriate (2) Harmfut; (3) Fatse; (4) Illegai; and/or (5) Volent. | 8 | |
| MP-1.1-004 | N/A | Identify and document foreaseeble illegal uses or applications of the GAI system that surpass organizational risk tolerances. | Functional | Subset Of | Product Management | TDA-01.1 | Mechanisms exist to design and implement product management processes to proceeding over the design, development and production of products and/or services across the System Development Life Cycle (SDLC) to: (1) improve functionality; (2) Enhance security and resiliency capabilities; (3) Correct security deficiencies; and (4) Conform with applicable statutory, regulatory and/or contractual oblications. | 10 | |
| MAP 1.2 | N/A | 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. | Functional | Intersects With | Al & Autonomous Technologies Risk Management Decisions | AAT-07 | Mechanisms exist to leverage decision makers from a diversity of demographics, disciplines, experience, expertise and backgrounds for mapping, measuring and managing Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks. | 5 | |
| MP-1.2-001 | N/A | Eatablish and empower interdisciplinary teams that reflect a wide range of capabilities, competencies, demographic groups, domain expertise, educational backgrounds, lived experiences, professions, and skills across the enterprise to inform and conduct risk measurement and management functions. | Functional | Intersects With | Al & Autonomous Technologies Risk Management Decisions | AAT-07 | Mechanisms exist to leverage decision makers from a diversity of demographics, disciplines, experience, expertise and backgrounds for mapping, measuring and managing Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks. | 5 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|--------------------------|------------|--|-------------------|----------------------|--|----------------------|--|---|------------------|
| MP-1.2-002 | N/A | Verify that data or benchmarks used in risk measurement, and users, participants, or subjects involved in structured GAI public feedback exercises are representative of diverse in-context user populations. | Functional | Intersects With | AI & Autonomous Technologies Stakeholder Feedback | AAT-11.1 | Mechanisms exist to regularly collect, consider, prioritize and integrate risk-related feedback from those external to the team that developed or deployed Artificial Intelligence (AI) and Autonomous Technologies | 5 | |
| MP-1.2-002 | N/A | Verify that data or benchmarks used in risk measurement, and users, participants, or subjects involved in structured GAI public feedback exercises are representative of diverse in-context user populations. | Functional | Intersects With | Integration AI & Autonomous Technologies End User Feedback | AAT-11.3 | (AAT). Mechanisms exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |
| MAP 2.1 | N/A | The specific tasks and methods used to implement the tasks that the Al system will support are defined (e.g., classifiers, generative models, recommenders). | Functional | Intersects With | AI & Autonomous Technologies Implementation Tasks Definition | AAT-14.1 | Mechanisms exist to define the tasks that Artificial Intelligence (AI) and Autonomous Technologies (AAT) will support (e.g., classifiers, generative models, recommenders). | 5 | |
| MP-2.1-001 | N/A | Establish known assumptions and practices for determining data origin and contant lineage, for documentation and evaluation purposes. | Functional | Intersects With | Risk Framing | RSK-01.1 | Mechanisms exist to identify: (1) Assumptions affecting risk assessments, risk response and risk monitoring; (2) Constraints affecting risk assessments, risk response and risk monitoring; (3) The organizational risk tolerance; and (4) Prioritise, benefits and rade-offs considered by the organization for managing risk. | 3 | |
| MP-2.1-001 | N/A | Establish known assumptions and practices for determining data origin and content lineage, for documentation and evaluation purposes. | Functional | Subset Of | Data Source Identification | AAT-12.1 | Technologies (AAT). | 10 | |
| MP-2.1-001 | N/A | Establish known assumptions and practices for determining data origin and content lineage, for documentation and evaluation purposes. | Functional | Intersects With | Data Source Lineage & Origin Disclosure | AAT-12.3 | Mechanisms exist to ensure Artificial Intelligence and Autonomous Technologies (AAT) publicly disclose information with sufficient detail to assess: (1) Content lineage; and (2) The origin of data used by the AAT. | 5 | |
| MP-2.1-002 | N/A | Institute test and evaluation for data and content flows within the GAI system, including but not limited to, original data sources, data transformations, and decision-making criteria. | Functional | Intersects With | Data Source Identification | AAT-12.1 | Mechanisms exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MP-2.1-002 | N/A | Institute test and evaluation for data and content flows within the GAI system, including but not limited to, original data sources, data transformations, and decision-making criteria. | Functional | Intersects With | Data Source Integrity | AAT-12.2 | Mechanisms exist to protect the integrity of source data to prevent accidental contamination or malicious corruption (e.g., data poisoning) that could compromise the performance of Artificial Intelligence and Autonomous Technologies (AAT). Mechanisms exist to identify and document knowledge limits of | 5 | |
| MAP 2.2 | N/A | output may be utilized and overseen by humans is documented. Documentation provides sufficient information to assist relevant Al Actors when making decisions and taking subsequent actions. | Functional | Intersects With | Limits | AAT-14.2 | Mechanisms exist to identify and document knowledge limits of Artificial Intelligence (AI) and Autonomous Technologies (AAT) to provide sufficient information to assist relevant stakeholder decision making. Mechanisms exist to identify and document data sources utilized in the | 5 | |
| MP-2.2-001 | N/A | Identify and document how the system relies on upstream data sources, including for content provenance, and if it serves as an upstream dependency for other systems. Observe and analyze how the GAI system interacts with external networks, and identify any potential for negative externalities, patricularly where | Functional | Intersects With | Data Source Identification AI & Autonomous | AAT-12.1 | Preclamanaria exist to dentiny and document data soulces utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). Mechanisms exist to ensure Artificial Intelligence (AI) and Autonomous Technologies (AAT) are designed and developed so its operation is | 5 | |
| MP-2.2-002 MP-2.2-002 | N/A N/A | content provenance might be compromised. Observe and analyze how the GAI system interacts with external networks, and identify any potential for negative externalities, particularly where | Functional | Intersects With | Technologies Transparency External System Connections | AAT-20.1 NET-05.1 | sufficiently transparent such that output can be easily interpreted by personnel implementing the AAT. Mechanisms exist to prohibit the direct connection of a sensitive system to an external network without the use of an organization- | 5 | |
| MAP 2.3 | N/A | content provenance might be compromised. Scientific integrity and TEV considerations are identified and documented, including those related to experimental design, data collection and allection (e.g., availability, expresentativeness, suitability), system trustworthiness, and construct validation | Functional | Intersects With | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | defined boundary protection device. Mechanisme sets to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVD) practices to enable Artificial Intelligence (J) and Autonomous Technologies (AT)-nelated security, resilience and compliance-related conformity testing throughout the testing and the article and the article article and the | 5 | |
| MAP 2.3 | N/A | 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 | Functional | Intersects With | Data Source Integrity | AAT-12.2 | <u>lifecycle of the AAT.</u> Mechanisms exist to protect the integrity of source data to prevent accidental contamination or malicious corruption (e.g., data poisoning) that could compromise the performance of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MP-2.3-001 | N/A | Assess the accuracy, quality, neliability, and authenticity of GAI output by comparing it to a set of known ground truth data and by using a variety of evaluation methods (e.g., human oversight and automated evaluation, proven cryptographic techniques, review of content inputs). | Functional | Intersects With | Al & Autonomous Technologies Domain Expert Reviews | AAT-16.5 | Mechanisms exist to utilize input from domain experts and relevant stakeholders to validate whether the Artificial Intelligence (AI) and | 5 | |
| MP-2.3-002 | N/A | Review and document accuracy, representativeness, relevance, suitability of data used at different stages of Al life cycle. | Functional | Intersects With | AI TEVV Post-Deployment Monitoring | AAT-10.13 | Mechanisms exist to proactively and continuously monitor deployed Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MP-2.3-003 | N/A | Deploy and document fact-checking techniques to verify the accuracy and veracity of information generated by GAI systems, especially when the information comes from multiple (or unknown) sources. | Functional | Intersects With | Al & Autonomous Technologies Testing Techniques | AAT-26 | Mechanisms exist to develop and implement fact-checking techniques to verify the accuracy and veracity of information generated by Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MP-2.3-004 | N/A | Develop and implement testing techniques to identify GAI produced content (e.g., synthetic media) that might be indistinguishable from human- generated content. | Functional | Intersects With | Generative Artificial Intelligence (GAI) Identification | AAT-26.1 | Mechanisms exist to develop and implement testing techniques to identify Generative Artificial Intelligence (GAI) produced content (e.g., synthetic media). | 5 | |
| MP-2.3-005 | N/A | Implement plans for GAI systems to undergo regular adversarial testing to identify vulnerabilities and potential manipulation or misuse. | Functional | Subset Of | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEV) practices to enable Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the Iffercycle of the AAT. | 10 | |
| MAP 3.4 | N/A | Processes for operator and practitioner proficiency with Al system performance and trustworthiness – and relevant technical standards and certifications – are defined, assessed, and documented. | Functional | Intersects With | AI TEVV Trustworthiness Assessment | AAT-10.1 | Mechanisms exist to evaluate Artificial Intelligence (AI) and Autonomous Technologies (AAT) for trustworthy behavior and operation including security, anonymization and disaggregation of captured and stored data for approved purposes. | 5 | |
| MP-3.4-001 | N/A | Evaluate whether GAI operators and end-users can accurately understand content lineage and origin. | Functional | Subset Of | Data Source Lineage & Origin Disclosure | AAT-12.3 | Mechanisms exist to ensure Artificial Intelligence and Autonomous Technologies (AAT) publicly disclose information with sufficient detail to assess: (1) Content lineage; and (2) The origin of data used by the AAT. | 10 | |
| MP-3.4-002 | N/A | Adapt existing training programs to include modules on digital content transparency. | Functional | Intersects With | Development Relevancy | SAT-01.1 | Mechanisms exist to periodically review security workforce development and awareness training to account for changes to: (1) Organizational policies, standards and procedures; (2) Assigned roles and responsibilities; (3) Relevant threats and risks; and (4) Technological developments. | 8 | |
| MP-3.4-003 | N/A | Develop certification programs that test proficiency in managing GAI risks and interpreting content provenance, relevant to specific industry and context. | Functional | Subset Of | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 10 | |
| MP-3.4-003 | N/A | Develop certification programs that test proficiency in managing GAI risks and interpreting content provenance, relevant to specific industry and context. Develop certification programs that test proficiency in managing GAI risks | Functional | Intersects With | Conformity Assessment | CPL-01.4 | Mechanisms exist to conduct assessments to demonstrate conformity with applicable cyberescurity and data protection laws, regulations and/or contractual obligations. Mechanisms exist to design and implement product management | 8 | |
| MP-3.4-003 | N/A | and interpreting content provenance, relevant to specific industry and context. | Functional | Intersects With | Product Management | TDA-01.1 | processes to proactively govern the design, development and production of products and/or services a cross the System Development Life Cycle (BDLC) to: (1) Improve functionality; (2) Enhance security and resiliency capabilities; (3) Correct security deficiencies; and (4) Contorm with applicable statutory, regulatory and/or contractual | 8 | |
| MP-3.4-004 | N/A | Delineate human proficiency tests from tests of GAI capabilities. | Functional | Intersects With | Al & Autonomous Technologies Capabilities Testing | AAT-26.2 | oblications. Mechanisms exist to delineate human proficiency tests from tests of Artificial Intelligence (AI) and Autonomous Technologies (AAT) capabilities. Mochanisme axist to define and differentiate cales and proceedibilities | 5 | |
| MP-3.4-005 | N/A | Implement systems to continually monitor and track the outcomes of human-GAI configurations for future refinement and improvements. | Functional | Intersects With | Assigned Responsibilities for AI & Autonomous Technologies | AAT-08 | Mechanisms exist to define and differentiate roles and responsibilities for: (1) Artificial Intelligence (AI) and Autonomous Technologies (AAT) configurations; and (2) Oversight of AAT systems. | 5 | |
| MP-3.4-006 | N/A | Involve the end-users, practitioners, and operators in GAI system in prototyping and testing activities. Make sure these tests cover various scenarios, such as crisis situations or ethically sensitive contexts. | Functional | Intersects With | Real-World Testing | AAT-26.3 | All of the solution of th | 5 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|------------|----------|--|-------------------|----------------------|--|-----------|---|---|------------------|
| MAP 4.1 | N/A | 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 | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are | 5 | |
| MAP 4.1 | N/A | property or other rights. 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. | Functional | Intersects With | Governance Al & Autonomous Technologies Risk Mapping | AAT-02.1 | in place, transparent and implemented effectively. Mechanisms exist to identify Artificial Intelligence (AI) and Autonomous Technologies (AAT) in use and map those components to potential legal risks, including statutory and regulatory compliance requirements. | 5 | |
| MP-4.1-001 | N/A | Conduct periodic monitoring of Al-generated content for privacy risks; address any possible instances of PII or sensitive data exposure. | Functional | Intersects With | AI TEVV Post-Deployment Monitoring | AAT-10.13 | Mechanisms exist to proactively and continuously monitor deployed | 5 | |
| MP-4.1-001 | N/A | Conduct periodic monitoring of Al-generated content for privacy risks; address any possible instances of PII or sensitive data exposure. | Functional | Intersects With | Security of Personal Data (PD) | PRI-01.6 | Mechanisms exist to ensure Personal Data (PD) is protected by logical and physical security safeguards that are sufficient and appropriately scoped to protect the confidentiality and integrity of the PD. | 5 | |
| MP-4.1-002 | N/A | Implement processes for responding to potential intellectual property infringement claims or other rights. | Functional | Intersects With | AI & Autonomous Technologies Intellectual Property Infringement Protections | AAT-12 | Mechanisms exist to prevent third-party Intellectual Property (IP) rights infringement by Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MP-4.1-003 | N/A | Connect new GAI policies, procedures, and processes to existing model, data, software development, and IT governance and to legal, compliance, and risk management activities. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| MP-4.1-003 | N/A | Connect new GAI policies, procedures, and processes to existing model, data, software development, and IT governance and to legal, compliance, and risk management activities. | Functional | Intersects With | Technical Documentation Artifacts | TDA-22 | Mechanisms exist to generate appropriate technical documentation artifacts for products and/or services in sufficient detail to demonstrate conformity with applicable statutory, regulatory and contractual compliance requirements. | 3 | |
| MP-4.1-004 | N/A | Document training data curation policies, to the extent possible and according to applicable laws and policies. | Functional | Intersects With | Pre-Trained AI & Autonomous Technologies Models | AAT-16.7 | Mechanisms exist to validate the information source(s) and quality of pre-trained models used in Artificial Intelligence (AI) and Autonomous Technologies (AAT) training, maintenance and improvement-related activities. | 5 | |
| MP-4.1-005 | N/A | Establish policies for collection, retention, and minimum quality of data, in consideration of the following risks Disclosure of inappropriate CBRN information; Use of Illegal or dnagrous content; Offensive cyber capabilities; Training data imbalances that could give rise to harmful biases; Leak of personally identifiable information, including facial likenesses of individuals. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | auronea: Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (A) and Autonomous Technologies (AT)-related risks are in place, transparent and implemented effectively. | 5 | |
| MP-4.1-005 | N/A | Establish policies for collection, retention, and minimum quality of data, in consideration of the following risks Disclosure of inappropriate CBRN information; Use of Illegal or dnagrous content; Offansive cyber capabilities; Training data imbalances that could give rise to harmful biases; Leak of personality identifiable information, including facial likenesses of individuals. | Functional | Intersects With | Al TEVV Fairness & Bias Assessment | AAT-10.8 | Mechanisms exist to examine fairness and bias of Artificial Intelligence (Al) and Autonomous Technologies (AAT) to be deployed. | 5 | |
| MP-4.1-006 | N/A | Implement policies and practices defining how third-party intellectual property and training data will be used, stored, and protected. | Functional | Intersects With | AI & Autonomous Technologies Intellectual Property Infringement Protections | AAT-12 | Mechanisms exist to prevent third-party Intellectual Property (IP) rights infringement by Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MP-4.1-006 | N/A | Implement policies and practices defining how third-party intellectual property and training data will be used, stored, and protected. | Functional | Intersects With | Data Source Integrity | AAT-12.2 | Mechanisms exist to protect the integrity of source data to prevent accidental contamination or malicious corruption (e.g., data poisoning) that could compromise the performance of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MP-4.1-007 | N/A | Re-evaluate models that were fine-tuned or enhanced on top of third-party models. | Functional | Intersects With | Artificial Intelligence Test, Evaluation, Validation & Verification (Al TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEV) practices to enable Artificial Intelligence (A) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the lifecycle of the AAT. | 5 | |
| MP-4.1-008 | N/A | Re-evaluate risks when adapting CAI models to new domains. Additionally, establish warning systems to determine if a GAI system is being used in a new domain where previous assumptions (reliant to context of use or mapped risks such as security, and safety) may no longer hold. | Functional | Intersects With | Al & Autonomous Technologies Likelihood & Impact Risk Analysis | AAT-07.2 | Mechanisma exist to define the potential likelihood and impact of each identified risk based on expected use and past uses of Artificial Intelligence (A) and Autonomous Technologies (AAT) in similar contexts. | 5 | |
| MP-4.1-008 | N/A | Re-evaluate risks when adapting GAI models to new domains. Additionally, establish warning systems to determine if a GAI system is being used in a new domain where previous assumptions (relating to context of use or mapped risks such as security, and safety) may no longer hold. | Functional | Intersects With | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (A TEVP) practices to enable Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the lifecycle of the AAT. | 5 | |
| MP-4.1-009 | N/A | Leverage approaches to detect the presence of PII or sensitive data in generated output text, image, video, or audio. | Functional | Intersects With | AI & Autonomous Technologies Output Marking | AAT-23 | Mechanisms exist to mark output from Artificial Intelligence (AI) and Autonomous Technologies (AAT) in a machine-readable format so it is detectable as artificially generated or manipulated. Mechanisms exist to prevent Artificial Intelligence (AI) and Autonomous | 3 | |
| MP-4.1-009 | N/A | generated output text, image, video, or audio. | Functional | Intersects With | AI & Autonomous Technologies Output Filtering | AAT-27 | Technologies (AAT) from generating content that is: (1) Inappropriate; (2) Harmful; (3) False; (4) Illegal; and/or (5) Violent. | 3 | |
| MP-4.1-009 | N/A | Leverage approaches to detect the presence of PII or sensitive data in generated output text, image, video, or audio. | Functional | Intersects With | Information Output Filtering | SEA-09 | Mechanisms exist to validate information output from software programs and/or applications to ensure that the information is consistent with the expected content. | 8 | |
| MP-4.1-010 | N/A | Conduct appropriate diligence on training data use to assess intellectual property, and privacy, risks, including to examine whether use of proprietary or sensitive training data is consistent with applicable laws. | Functional | Intersects With | Technical Documentation Artifacts | TDA-22 | Mechanisms exist to generate appropriate technical documentation artifacts for products and/or services in sufficient detail to demonstrate conformity with applicable statutory, regulatory and contractual compliance requirements. | 3 | |
| MP-4.1-010 | N/A | Conduct appropriate diligence on training data use to assess intellectual property, and privacy, risks, including to examine whether use of proprietary or sensitive training data is consistent with applicable laws. | Functional | Intersects With | AI & Autonomous Technologies Intellectual Property Infringement Protections | AAT-12 | Mechanisms exist to prevent third-party intellectual Property (IP) rights infringement by Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MAP 5.1 | N/A | 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 these external to the team that developed or deployed the AI system, or other data are identified and documented. | Functional | Intersects With | Al & Autonomous Technologies Impact Assessment | AAT-07.1 | Mechanisms exist to assess the impact(s) of proposed Artificial Intelligence (AI) and Autonomous Technologies (AAT) on individuals, groups, communities, organizations and society (e.g., Fundamental Rights Impact Assessment (FRIA)). | 5 | |
| MAP 5.1 | N/A | Ukelihood 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. | Functional | Intersects With | Al & Autonomous Technologies Likelihood & Impact Risk Analysis | AAT-07.2 | Mechanisms exist to define the potential likelihood and impact of each identified risk based on expected use and past uses of Artificial Intelligence (A) and Autonomous Technologies (AAT) in similar contexts. | 5 | |
| MP-5.1-001 | N/A | Apply TEVV practices for content provenance (e.g., probing a system's synthetic data generation capabilities for potential misuse or vulnerabilities. | Functional | Intersects With | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEV) practices to enable Artificial Intelligence (AI) and Autonomous Technologie (AAT)-related security, resilience and compliance-related conformity testing throughout the lifecycle of the AAT. | 5 | |
| MP-5.1-002 | N/A | Identify potential content provenance harms of GAI, such as misriformation or distriformation, deepfakes, including NCII, or tampered content. Enumerate and rank risks based on their likelihood and potential impact, and determine how well provenance solutions address specific risks and/or harms. | Functional | Intersects With | Al & Autonomous Technologies Risk Management Decisions | AAT-07 | Mechanisms exist to leverage decision makers from a diversity of demographice, disciplines, experience, expertise and backgrounds for mapping, messuing and managing Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks. | 8 | |
| MP-5.1-002 | N/A | Identify potential content provenance harms of GAI, such as misinformation or disinformation, deepfakes, including NCII, or tampered content. Enumerate and rank risks based on their likelihood and potential impact, and determine how well provenance solutions address specific risks and/or harms. | Functional | Intersects With | Al & Autonomous Technologies Likelihood & Impact Risk Analysis | AAT-07.2 | Mechanisms exist to define the potential likelihood and impact of each identified risk based on expected use and past uses of Artificial Intelligence (A) and Autonomous Technologies (AAT) in similar contexts. | 8 | |
| MP-5.1-002 | N/A | Identity potential content provenance harms of GAI, such as misinformation or disinformation, deepfakes, including NCII, or tampered content. Enumerate and rank risks based on their likelihood and potential impact, and determine how well provenance solutions address specific risks and/or harms. | Functional | Intersects With | Data Source Identification | AAT-12.1 | Mechanisms exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). | 8 | |
| MP-5.1-002 | N/A | Identify potential content provenance harms of GAI, such as misinformation or disinformation, deepfakes, including NCII, or tampered content. Enumerate and rank risks based on their likelihood and potential impact, and determine how well provenance solutions address specific risks and/or harms. | Functional | Intersects With | Data Source Lineage & Origin Disclosure | AAT-12.3 | Mechanisms exist to ensure Artificial Intelligence and Autonomous Technologies (AAT) publicly disclose information with sufficient detail to assess: (1) Content lineage; and (2) The origin of data used by the AAT. | 3 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF# | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|-------------|----------|---|-------------------|----------------------|---|-----------|---|---|------------------|
| MP-5.1-002 | N/A | Identify potential content provenance harms of GAI, such as misinformation or disinformation, deepfakes, including NCII, or tampered content. Enumerate and rank risks based on their licklihood and potential impact, and determine how well provenance solutions address specific risks and/or harms. | Functional | Intersects With | AI TEVV Benchmarking Content Provenance | AAT-10.17 | Mechanisms exist to benchmark the verifiable lineage and origin of content used by Artificial Intelligence (A) and Autonomous Technologies (AAT) according to industry -recognized standards. | 3 | |
| MP-5.1-003 | N/A | Consider disclosing use of GAI to end users in relevant contexts, while considering the objective of disclosure, the context of use, the likelihood and magnitude of the risk posed, the audience of the disclosure, as well as the frequency of the disclosures. | Functional | Intersects With | Al & Autonomous Technologies Use Notification To Employees | AAT-22.7 | Mechanisms exist to ensure employees, including workers' representatives, are informed about Artificial Intelligence (AI) and Autonomous Technologies (AAT) deployments, prior to the use of the AAT in a production environment. | 8 | |
| MP-5.1-003 | N/A | Consider disclosing use of CAI to end users in relevant contexts, while considering the objective of disclosure, the context of use, the likelihood and magnitude of the risk posed, the audience of the disclosure, as well as the frequency of the disclosures. | Functional | Intersects With | Al & Autonomous Technologies Use Notification To Users | AAT-22.8 | Mechanisma exist to ensure Artificial Intelligence (AI) and Autonomous Technologies (AAT) that make decisions, or assist in making decisions, inform the people in a clear manner that they are: (1) Utilizing an AAT Solution; and (2) Expected to validate the output for relevance and accuracy. | 8 | |
| MP-5.1-004 | N/A | Prioritize GAI structured public feedback processes based on risk assessment estimates. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (AI) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 5 | |
| MP-5.1-004 | N/A | Prioritize GAI structured public feedback processes based on risk assessment estimates. | Functional | Intersects With | AI & Autonomous | AAT-11.3 | Mechanisms exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |
| MP-5.1-005 | N/A | Conduct adversarial role-playing exercises, GAI red-teaming, or chaos testing to identify anomalous or unforeseen failure modes. | Functional | Intersects With | Red Team Exercises | VPM-10 | Mechanisms exist to utilize "red team" exercises to simulate attempts by adversaries to compromise systems and applications in accordance with organization-defined rules of engagement. | 5 | |
| MP-5.1-006 | N/A | Profile threats and negative impacts arising from GAI systems interacting with, manipulating, or generating content, and outlining known and potential vulnerabilities and the likelihood of their occurrence. | Functional | Intersects With | Al & Autonomous Technologies Likelihood & Impact Risk Analysis | AAT-07.2 | Mechanisms exist to define the potential likelihood and impact of each identified risk based on expected use and past uses of Artificial Intelligence (AI) and Autonomous Technologies (AAT) in similar contexts. | 5 | |
| MAP 5.2 | N/A | Practices and personnel for supporting regular engagement with relevant Al Actors and integrating feedback about positive, negative, and unanticipated impacts are in place and documented. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (AI) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 5 | |
| MP-5.2-001 | N/A | Determine context-based measures to identify if new impacts are present due to the GAI system, including regular engagements with downstream AI Actors to identify and quantify new contexts of unanticipated impacts of GAI systems. | Functional | Intersects With | Al & Autonomous Technologies Impact Assessment | AAT-07.1 | Mechanisms exist to assess the impact(s) of proposed Artificial Intelligence (A) and Autonomous Technologies (AAT) on individuals, groups, communities, organizations and society (e.g., Fundamental Rights Impact Assessment (FRIA). | 5 | |
| MP-5.2-001 | N/A | Determine context-based measures to identify if new impacts are present due to the GAI system, including regular engagements with downstream AI Actors to identify and quantify new contexts of unanticipated impacts of GAI systems. | Functional | Intersects With | Al & Autonomous Technologies Risk Tracking Approaches | AAT-18 | Mechanisms exist to track Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are difficult to assess using currently available measurement techniques or where metrics are not yet available. | 5 | |
| MP-5.2-001 | N/A | Determine context-based measures to identify if new impacts are present due to the GAI system, including regular engagements with downstream AI Actors to identify and quantify new contexts of unanticipated impacts of GAI systems. | Functional | Intersects With | Al & Autonomous Technologies Likelihood & Impact Risk Analysis | AAT-07.2 | Mechanisms exist to define the potential likelihood and impact of each identified risk based on expected use and past uses of Artificial Intelligence (AI) and Autonomous Technologies (AAT) in similar contexts. | 5 | |
| MP-5.2-002 | N/A | Plan regular engagements with AI Actors responsible for inputs to GAI systems, including third-party data and algorithms, to review and evaluate unanticipated impacts. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (AI) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 5 | |
| MP-5.2-002 | N/A | Plan regular engagements with AI Actors responsible for inputs to GAI systems, including third-party data and algorithms, to review and evaluate unanticipated impacts. | Functional | Intersects With | Al & Autonomous Technologies Impact Assessment | AAT-07.1 | Mechanisms exist to assess the impact(s) of proposed Artificial Intelligence (A) and Autonomous Technologies (AAT) on individuals, groups, communities, organizations and society (e.g., Fundamental Rights Impact Assessment (FRIA)). | 5 | |
| MEASURE 1.1 | N/A | 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. | Functional | Intersects With | Al & Autonomous Technologies Risk Management Decisions | AAT-07 | Mechanisms exist to leverage decision makers from a diversity of demographics, disciplines, experience, expertise and backgrounds for mapping, measuring and managing Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks. | 5 | |
| MEASURE 1.1 | N/A | 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. | Functional | Intersects With | Efficacy of AI & Autonomous Technologies Measurement | AAT-16.4 | Mechanisms exist to gather and assess feedback about the efficacy of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related measurements. | 5 | |
| MS-1.1-001 | N/A | Employ methods to trace the origin and modifications of digital content. | Functional | Intersects With | Digital Content Modification Logging | AAT-12.4 | Mechanisms exist to ensure Artificial Intelligence and Autonomous Technologies (AAT): (1) Enable auditing of content modifications; and (2) Generate event logs for content-related changes. | 5 | |
| MS-1.1-002 | N/A | Integrate tools designed to analyze content provenance and detect data anomalies, verify the authenticity of digital signatures, and identify patterns associated with misinformation or manipulation. | Functional | Intersects With | AI TEVV Benchmarking Content Provenance | AAT-10.17 | Mechanisms exist to benchmark the verifiable lineage and origin of content used by Artificial Intelligence (AI) and Autonomous Technologies (AAT) according to industry -recognized standards. | 5 | |
| MS-1.1-002 | N/A | Integrate tools designed to analyze content provenance and detect data anomalies, verify the authenticity of digital signatures, and identify patterns associated with misinformation or manipulation. | Functional | Intersects With | Real World Testing of AI & Autonomous Technologies | AAT-24 | Mechanisms exist to obtain consent from the subjects of testing Artificial Intelligence (AI) and Autonomous Technologies (AAT): (1) Prior to their participation in such testing; and (2) After their having been provided with clear and concise information | 5 | |
| MS-1.1-002 | N/A | Integrate tools designed to analyze content provenance and detect data anomalies, verify the authenticity of digital signatures, and identify | Functional | Intersects With | Anomalous Behavior | MON-16 | regarding the testing. Mechanisms exist to detect and respond to anomalous behavior that could indicate account compromise or other malicious activities. | 8 | |
| MS-1.1-003 | N/A | patterns associated with misinformation or manipulation. Disaggregate evaluation metrics by demographic factors to identify any discrepancies in how content provenance mechanisms work across diverse populations. | Functional | Intersects With | AI TEVV Tools | AAT-10.2 | Mechanisms exist to document test sets, metrics and details about the tools used during Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) practices. | 5 | |
| MS-1.1-004 | N/A | Develop a suite of metrics to evaluate structured public feedback exercises informed by representative AI Actors. | Functional | Subset Of | Al & Autonomous Technologies End User Feedback | AAT-11.3 | Mechanisms exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |
| MS-1.1-005 | N/A | Evaluate novel methods and technologies for the measurement of GAH- related risks including in content provenance, difference volter, and CBRN, while maintaining the models' ability to produce valid, reliable, and factually accurate outputs. | Functional | Intersects With | Novel Risk Assessment Methods & Technologies | AAT-17.4 | Mechanisms exist to utilize novel methods and technologies for the measurement of Artificial Intelligence (A) and Autonomous Technologies (AAT)-related risks to evaluate, if applicable: (1) Content provenance; (2) Offensive cyber capabilities; (3) Chemical, Biological, Radiological or Nuclear (CBRN) wespons; and/or (4) Other and subgravel, Badiological or Success (CBRN) wespons; and/or (4) Other and subgravel, Badiological or success. | 5 | |
| MS-1.1-006 | N/A | Implement continuous monitoring of GAI system impacts to identify whether GAI outputs are equitable across various sub-populations. Seek active and direct feedback from affected committies via structured feedback mechanisms or red-teaming to monitor and improve outputs. | Functional | Intersects With | AI TEVV Post-Deployment Monitoring | AAT-10.13 | Mechanisms exist to proactively and continuously monitor deployed Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MS-1.1-006 | N/A | Implement continuous monitoring of GAI system impacts to identify whether GAI outputs are equitable across various sub-populations. Seek active and direct feedback from affected communities via structured feedback mechanisms or red-teaming to monitor and improve outputs. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (A) and Autonomous Technologies (AAT) stakeholdens to encourage feedback about positive, negative and unanticipated impacts. | 5 | |
| MS-1.1-007 | N/A | Evaluate the quality and integrity of data used in training and the provenance of Al-generated content, for example by employing techniques like chaos engineering and seeking stakeholder feedback. | Functional | Intersects With | Robust Stakeholder Engagement for AI & Autonomous | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (AI) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and | 5 | |
| MS-1.1-007 | N/A | Evaluate the quality and integrity of data used in training and the provenance of Al-generated content, for example by employing techniques like chaos engineering and seeking stakeholder feedback. | Functional | Intersects With | Technologies Data Source Integrity | AAT-12.2 | unanticipated impacts. Mechanisms exist to protect the integrity of source data to prevent accidental contamination or malicious corruption (e.g., data poisoning) that could compromise the performance of Artificial Intelligence and Autonomous Tochecloride (AD | 5 | |
| MS-1.1-008 | N/A | Define use cases, contexts of use, capabilities, and negative impacts where structured human feedback exercises, e.g., GAI red-teaming, would be most beneficial for GAI risk measurement and management based on the context of use. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Autonomous Technologies (AAT). Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (AI) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 5 | |
| MS-1.1-008 | N/A | The Context of use. Define use cases, contexts of use, capabilities, and negative impacts where structured human feedback exercises, e.g., GAI red-teaming, would be most beneficial for GAI risk measurement and management based on the context of use. | Functional | Intersects With | | AAT-26.3 | Unanticipated injuncts. Mechanisms exist include relevant end-users, practitioners and operators in Artificial Intelligence (A) and Autonomous Technologies (AT) prototyping and testing activities to cover: (1) Applicable use case scenarios; (2) Crisis situations; and/or (3) Ethically semitive contexts. | 8 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|-------------|----------|---|-------------------|----------------------|--|-----------|--|---|------------------|
| MS-1.1-008 | N/A | Define use cases, contexts of use, capabilities, and negative impacts where structured human feedback exercises, e.g., GAI red-tearning, would be most beneficial for GAI risk measurement and management based on the context of use. | Functional | Subset Of | Product Management | TDA-01.1 | Machanisms exist to design and implement product management processes to productive govern the design, development and production of products and/or services across the System Development Life Cycle (SDLC) to: (1) Improve functionality; (2) Enhance security and resiliency capabilities; (3) Correct security deficiencies; and (4) Conform with applicable statutory, regulatory and/or contractual obligations. | 10 | |
| MS-1.1-008 | N/A | Define use cases, contexts of use, capabilities, and negative impacts where structured human feedback exercises, e.g., GA red-tearning, would be most beneficial for GAI risk measurement and management based on the context of use. | Functional | Intersects With | Product Conformity Governance | TDA-21 | Mechanisms exist to ensure developed products and/or services conform to applicable statutory and regulatory requirements, based on the product's and/or service's: (1) Use case(s); and (2) Geographic markts, | 8 | |
| MS-1.1-008 | N/A | Define use cases, contexts of use, capabilities, and negative impacts where structured human feedback exercises, e.g., GAI red-tearning, would be most beneficial for GAI risk measurement and management based on the context of use. | Functional | Intersects With | Red Team Exercises | VPM-10 | Mechanisms exist to utilize "red team" exercises to simulate attempts by adversaries to compromise systems and applications in accordance with organization-defined rules of engagement. | 3 | |
| MS-1.1-009 | N/A | Track and document risks or opportunities related to all GAI risks that cannot be measured quantitatively, including explanations as to why some risks cannot be measured (e.g., due to technological limitations, resource constraints, or trustworthy considerations). Include unmeasured risks in marginal risks. | Functional | Intersects With | Unmeasurable AI & Autonomous Technologies Risks | AAT-16.3 | Mechanisms exist to identify and document unmeasurable risks or trustworthiness characteristics. | 5 | |
| MEASURE 1.3 | N/A | Internal resolution of the server as front-line developers for the system and/or independent assessors are involved in regular assessments and updates. Domain experts, users, Al Actors external to the team that developed or deployed the Al system, and affected communities are consulted in support of assessments as necessary per organizational risk tolerance. | Functional | Intersects With | AI & Autonomous Technologies Stakeholder Feedback Integration | AAT-11.1 | Mechanisms exist to regularly collect, consider, prioritize and integrate risk-related feedback from those external to the team that developed or deployed Artificial Intelligence (AI) and Autonomous Technologies (A1). | 5 | |
| MS-1.3-001 | N/A | Define relevant groups of interest (e.g., demographic groups, subject matter experts, experience with GAI technology) within the context of use as part of plans for gathering structured public feedback. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (AI) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 5 | |
| MS-1.3-002 | N/A | Engage in internal and external evaluations, GAI red-teaming, impact assessments, or other structured human feedback exercises in consultation with representative AI Actors with expertise and familiarity in the context of use, and/or who are representative of the populations associated with the context of use. | Functional | Intersects With | Al & Autonomous Technologies Impact Assessment | AAT-07.1 | Mechanisms exist to assess the impact(s) of proposed Artificial Intelligence (AI) and Autonomous Technologies (AAT) on individuals, groups, communities, organizations and society (e.g., Fundamental Rights Impact Assessment (FRIA)). | 5 | |
| MS-1.3-002 | N/A | Engage in internal and external evaluations, GAI red-teaming, impact assessments, or other structured human feedback exercises in consultation with representative AI Actors with expertise and familiarity in the context of use, and/or who are representative of the populations associated with the context of use. | Functional | Subset Of | Artificial Intelligence Test, Evaluation, Validation & Verification (Al TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) practices to enable Artificial Intelligence (AI) and Autonomous Technologies (AIT)-related security, resilience and compliance-related conformity testing throughout the lifecycle of the AAT. | 10 | |
| MS-1.3-002 | N/A | Engage in internal and external evaluations, GAI red-teaming, impact assessments, or other structured human feedback exercises in consultation with representative AI Actors with expertise and familiarity in the context of use, and/or who are representative of the populations associated with the context of use. | Functional | Intersects With | Robust Stakeholder Engagement for AI & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (AI) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 8 | |
| MS-1.3-002 | N/A | Engage in internal and external evaluations, GAI red-teaming, impact assessments, or other structured human feedback exercises in consultation with representative AI Actors with expertise and familiarity in the context of use, and/or who are representative of the populations associated with the context of use. | Functional | Intersects With | | VPM-10 | Mechanisms exist to utilize "red team" exercises to simulate attempts by adversaries to compromise systems and applications in accordance with organization-defined rules of engagement. | 3 | |
| MS-1.3-003 | N/A | Verify those conducting structured human feedback exercises are not directly involved in system development tasks for the same GAI model. | Functional | Subset Of | Separation of Duties (SoD) | HRS-11 | Mechanisms exist to implement and maintain Separation of Duties (SoD) to prevent potential inappropriate activity without collusion. | 10 | |
| MEASURE 2.2 | N/A | Evaluations involving human subjects meet applicable requirements (including human subject protection) and are representative of the relevant population. | Functional | Intersects With | Al & Autonomous Technologies Human Subject Protections | AAT-17.1 | Mechanisms exist to protect human subjects from harm. | 3 | |
| MS-2.2-001 | N/A | Assess and manage statistical biases related to GAI content provenance through techniques such as re-sampling, re-weighting, or adversarial training. | Functional | Subset Of | Al & Autonomous Technologies Fairness & Bias | AAT-06 | Mechanisms exist to prevent Artificial Intelligence (A) and Autonomous Technologies (AAT) from unfairly identifying, profiling and/or statistically singling out a segmented population defined by race, religion, gender identify, national origin, religion, disability or any other politically-charged identifier. | 10 | |
| MS-2.2-001 | N/A | Assess and manage statistical biases related to GAI content provenance through techniques such as re-sampling, re-weighting, or adversarial training. | Functional | Intersects With | Al TEVV Fairness & Bias Assessment | AAT-10.8 | Mechanisms exist to examine fairness and bias of Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed. | 8 | |
| MS-2.2-001 | N/A | Assess and manage statistical biases related to GAI content provenance through techniques such as re-sampling, re-weighting, or adversarial training. | Functional | Intersects With | Data Source Identification | AAT-12.1 | Mechanisms exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MS-2.2-002 | N/A | Document how content provenance data is tracked and how that data interacts with privacy and security. ConsiderAnonymizing data to protect the privacy of human subjects, Leveraging privacy output filters; Removing any personally identifiable information (PII) to prevent potential harm or misuse. | Functional | Intersects With | Data Source Identification | AAT-12.1 | Mechanisms exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MS-2.2-002 | N/A | Document how content provenance data is tracked and how that data interacts with privacy and security. ConsiderAnonymizing data to protect the privacy of human subjects, Leveraging privacy output filters; Removing any personally identifiable information (PII) to prevent potential harm or misuse. | Functional | Intersects With | Real World Testing of Al & Autonomous Technologies | AAT-24 | Mechanisms exist to obtain consent from the subjects of testing Artificial Intelligence (AI) and Autonomous Technologies (AAT): (1) Prior to their participation in such testing; and (2) After their having been provided with clear and concise information regarding the testing. | 5 | |
| MS-2.2-002 | N/A | Document how content provenance data is tracked and how that data interacts with privacy and security. ConsiderAnonymizing data to protect the privacy of human subjects, Leveraging privacy output fitters; Removing any personally identifiable information (PII) to prevent potential harm or misuse. | Functional | Intersects With | De-Identification (Anonymization) | DCH-23 | Mechanisms exist to anonymize data by removing Personal Data (PD) from datasets. | 5 | |
| MS-2.2-003 | N/A | Provide human subjects with options to withdraw participation or revoke theirconsent for present or future use of their data in GAI applications. | Functional | Intersects With | Revoke Consent | PRI-03.4 | Mechanisms exist to allow data subjects to revoke consent to collect, receive, process, store, transmit, update and/or share their Personal Data (PD). | 5 | |
| MS-2.2-004 | N/A | Use techniques such as anonymization, differential privacy or other privacy enhancing technologies to minimize the risks associated with linking Al- generated content back to individual human subjects. | Functional | Intersects With | De-Identification (Anonymization) | DCH-23 | Mechanisms exist to anonymize data by removing Personal Data (PD) from datasets. | 5 | |
| MEASURE 2.3 | NA | An system performance or assurance criteria are measured qualitatively or quantitatively and demonstrated for conditions similar to deployment setting(s). Measures are documented. | Functional | Intersects With | Al & Autonomous Technologies Implementation Documentation | AAT-20.2 | Acchargence solution of the macharine and an analysis of the a | 5 | |
| MS-2.3-001 | N/A | Consider baseline model performance on suites of benchmarks when selecting a model for fine tuning or enhancement with retrieval-augmented generation. | Functional | Intersects With | System Hardening Through Baseline Configurations | CFG-02 | Mechanisms exist to develop, document and maintain secure baseline configurations for technology platforms that are consistent with industry-accepted system hardening standards. | 5 | |
| MS-2.3-002 | N/A | Evaluate claims of model capabilities using empirically validated methods. | Functional | Intersects With | AI TEVV Empirically Validated Methods | AAT-10.16 | Mudsary-accepted system hardening standards. Mechanisms exist to evaluate claims of Artificial Intelligence (AI) and Autonomous Technologies (AAT) model capabilities using empirically validated methods. | 10 | |
| MS-2.3-003 | N/A | Share results of pre-deployment testing with relevant GAI Actors, such as those with system release approval authority. | Functional | Intersects With | AI TEVV Reporting | AAT-10.15 | Mechanisms exist to report the status and results of Artificial | 8 | |
| MS-2.3-004 | N/A | Utilize a purpose-built testing environment such as NIST Dioptra to empirically evaluate GAI trustworthy characteristics. | Functional | Subset Of | Secure Development Environments | TDA-07 | Mechanisms exist to maintain a segmented development network to ensure a secure development environment. | 10 | |
| MEASURE 2.5 | N/A | 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. | Functional | Intersects With | AI TEVV Trustworthiness Demonstration | AAT-10.3 | Mechanisms exist to demonstrate the Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed is valid, reliable and operate as intended based on approved designs. | 5 | |
| MS-2.5-001 | N/A | Avoid extrapolating GAI system performance or capabilities from narrow, non-systematic, and anecdotal assessments. | Functional | Intersects With | AI TEVV Empirically Validated Methods | AAT-10.16 | Mechanisms exist to evaluate claims of Artificial Intelligence (AI) and Autonomous Technologies (AAT) model capabilities using empirically validated methods. | 3 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|-------------|----------|--|-------------------|----------------------|--|-----------|--|---|------------------|
| MS-2.5-002 | N/A | Document the extent to which human domain knowledge is employed to improve GA system performance, via, e.g., RLHF, fine-tuning, retrieval- augmented generation, content moderation, business rules. | Functional | Intersects With | Al & Autonomous Technologies Human Domain Knowledge Reliance | AAT-20.3 | Mechanisms exist to document the extent to which human domain knowledge is employed to improve Artificial Intelligence (A) and Autonomous Technologies (AM) performance including: (1) Reinforcement Learning from Human Feedback (RLHF); (2) Retrieval- augmented generation; (4) Content moderation; and (5) Business rules. | 5 | |
| MS-2.5-003 | N/A | Review and verify sources and citations in GAI system outputs during pre- deployment risk measurement and ongoing monitoring activities. Review and verify sources and citations in GAI system outputs during pre- | Functional | Intersects With | Data Source Identification | AAT-12.1 | Mechanisms exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). Mechanisms exist to obtain consent from the subjects of testing | 5 | |
| MS-2.5-003 | N/A | deployment risk measurement and ongoing monitoring activities. | Functional | Intersects With | Real World Testing of AI & Autonomous Technologies | AAT-24 | Artificial Intelligence (AI) and Autonomous Technologies (AAT): (1) Prior to their participation in such testing; and (2) After their having been provided with clear and concise information regarding the testing. | 5 | |
| MS-2.5-004 | N/A | Track and document instances of anthropomorphization (e.g., human images, mentions of human feelings, cyborg imagery or motifs) in GAI system interfaces. | Functional | Intersects With | Real World Testing of AI & Autonomous Technologies | AAT-24 | Mechanisma exist to obtain consent from the subjects of testing Artificial Intelligence (AI) and Autonomous Technologies (AAT): (1) Prior to their participation in such testing; and (2) After their having been provided with clear and concise information regarding the testing. | 5 | |
| MS-2.5-005 | N/A | Verify GAI system training data and TEVV data provenance, and that fine- tuning or retrieval-augmented generation data is grounded. | Functional | Intersects With | Data Source Identification | AAT-12.1 | Mechanisms exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MS-2.5-006 | N/A | Regularly review security and safety guardrails, especially if the GAI system is being operated in novel circumstances. This includes reviewing reasons why the GAI system was initially assessed as being safe to deploy. | Functional | Subset Of | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 10 | |
| MEASURE 2.6 | N/A | The Al system is evaluated regularly for safety risks – as identified in the MAP function. The Al 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 beynoit its knowledge limits. Safety metrics reflect system reliability and robustness, real-time monitoring, and reasons times rol a system failures. | Functional | Subset Of | AI & Autonomous Technologies Production Monitoring | AAT-16 | Mechanisma exist to monitor the functionality and behavior of the deployed Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 10 | |
| MS-2.6-001 | N/A | Assess adverse impacts, including health and wellbeing impacts for value chain or other AI Actors that are exposed to sexually explicit, offensive, or violent information during GAI training and maintenance. | Functional | Intersects With | Al & Autonomous Technologies Human Subject Protections | AAT-17.1 | Mechanisms exist to protect human subjects from harm. | 5 | |
| MS-2.6-002 | N/A | Assess existence or levels of harmful bias, intellectual property infringement, data privacy violations, obscenity, extremism, violence, or CBRN information in system training data. | Functional | Intersects With | AI & Autonomous Technologies Intellectual Property Infringement Protections | AAT-12 | Mechanisms exist to prevent third-party Intellectual Property (IP) rights infringement by Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MS-2.6-002 | N/A | Assess existence or levels of harmful bias, intellectual property infringement, data privacy violations, obscenity, extremism, violence, or CBRN information in system training data. | Functional | Intersects With | Al & Autonomous Technologies Human Subject Protections | AAT-17.1 | Mechanisms exist to protect human subjects from harm. | 5 | |
| MS-2.6-002 | N/A | Assess existence or levels of harmful bias, intellectual property infringement, data privacy violations, obscenity, extremism, violence, or CBRN information in system training data. | Functional | Intersects With | Al & Autonomous Technologies Environmental Impact & Sustainability | AAT-17.2 | Mechanisms exist to assess and document the environmental impacts and sustainability of Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MS-2.6-003 | N/A | Re-evaluate safety features of fine-tuned models when the negative risk exceeds organizational risk tolerance. | Functional | Subset Of | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEV) practices to enable Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the Uffecycle of the AAT. | 10 | |
| MS-2.6-003 | N/A | Re-evaluate safety features of fine-tuned models when the negative risk exceeds organizational risk tolerance. | Functional | Intersects With | AI TEVV Results Evaluation | AAT-10.10 | Mechanisms exist to evaluate the results of Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) to determine the viability of the proposed Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 8 | |
| MS-2.6-004 | N/A | Review GAI system outputs for validity and safetyReview generated code to assess risks that may arise from unreliable downstream decision-making. | Functional | Intersects With | Real World Testing of AI & Autonomous Technologies | AAT-24 | Mechanisms exist to obtain consent from the subjects of testing Artificial Intelligence (A) and Autonomous Technologies (AAT): (1) Prior to their participation in such testing; and (2) After their having been provided with clear and concise information regarding the testing. | 5 | |
| MS-2.6-005 | N/A | Verify that GAI system architecture can monitor outputs and performance, and handin, accover from, and regair erors when security anomalies, threats and impacts are detected. | Functional | Subset Of | Al & Autonomous Technologies Conformity | AAT-19 | Mechanisma exist to ensure deployed Artificial Intelligence (A) and Autonomous Technologies (AAT) conform to applicable statutory and regulatory requirements, based on: (1) Defined use cases; (2) Geographic markets; and | 10 | |
| MS-2.6-006 | N/A | Verify that systems properly handle queries that may give rise to inappropriate, malicious, or illegal usage, including facilitating mainpulation, extortion, targeted impersonation, cyber-attacks, and weapons creation. | Functional | Intersects With | Malformed Input Testing | TDA-09.4 | (3) Use of Intellectual Property (IP). Mechanisms wait to utilize testing methods to ensure systems, services and products continue to operate as intended when subject to invalid or unexpected inputs on its interfaces. | 5 | |
| MS-2.6-007 | N/A | Regularly evaluate GAI system vulnerabilities to possible circumvention of safety measures. | Functional | Intersects With | Vulnerability Scanning | VPM-06 | Mechanisms exist to detect vulnerabilities and configuration errors by routine vulnerability scanning of systems and applications. | 5 | |
| MEASURE 2.7 | N/A | Al system security and resilience – as identified in the MAP function – are evaluated and documented. | Functional | Subset Of | AI TEVV Security & Resiliency Assessment | AAT-10.5 | Mechanisms exist to evaluate the security and resilience of Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed. | 10 | |
| MS-2.7-001 | N/A | Apply established security measures to assess likelihood and magnitude of vulnerabilities and threats such as backdoors, compromised dependencies, data branches, exercitorphing, mani-in-the-middle attacks, reverse engineering, autonomous agents, model theft or exposure of model weights, Al Inference, bypass, extraction, and other baseline security concerns. | Functional | Intersects With | AI TEVV Security & Resiliency Assessment | AAT-10.5 | Mechanisms exist to evaluate the security and resilience of Artificial Intelligence (Al) and Autonomous Technologies (AAT) to be deployed. | 5 | |
| MS-2.7-002 | N/A | Benchmark GAI system security and resilience related to content provenance against industry standards and best practices. Compare GAI system security features and content provenance methods against industry state-of-the-art. | Functional | Intersects With | AI TEVV Benchmarking Content Provenance | AAT-10.17 | Mechanisms exist to benchmark the verifiable lineage and origin of content used by Artificial Intelligence (AI) and Autonomous Technologies (AAT) according to industry -recognized standards. | 5 | |
| MS-2.7-003 | N/A | Conduct user surveys to gather user satisfaction with the Al-generated content and user perceptions of content authenticity. Analyze user feedback to identify concerns and/or current literacy levels related to content provenance and understanding of labels on content. | Functional | Intersects With | AI & Autonomous Technologies End User Feedback | AAT-11.3 | Mechanisms exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |
| MS-2.7-004 | N/A | Identify metrics that reflect the effectiveness of security measures, such as data provenance, the number of unauthorized access attempts, inference, bypass, extraction, penetrations, or provenance verification. | Functional | Intersects With | Measures of Performance | GOV-05 | Mechanisms exist to develop, report and monitor cybersecurity & data privacy program measures of performance. | 3 | |
| MS-2.7-005 | N/A | Measure reliability of content authentication methods, such as watermarking, cryptographic signatures, digital fingerprints, as well as access controls, conformity assessment, and model integrity varification, which can help support the effective implementation of content provenance techniques. Evaluate the rate of false positives and false negatives in content provenance, as well as true positives and false negatives in content provenance, as well as true positives and true negatives of overification. | Functional | Intersects With | AI TEVV Benchmarking Content Provenance | AAT-10.17 | Mechanisms exist to benchmark the verifiable lineage and origin of content used by Artificial Intelligence (AI) and Autonomous Technologies (AAT) according to industry -recognized standards. | 5 | |
| MS-2.7-005 | N/A | Inserves in Venifications Measure reliability of content authentication methods, such as watermarking, cryptographic signatures, digital fingerprints, as well as access controls, conformity assessment, and model integrity verification, which can help support the effective implementation of content provenance techniques. Evaluate the rate of false positives and false negatives in content provenance, as well as true positives and false | Functional | Intersects With | Data Source Integrity | AAT-12.2 | Mechanisms exist to protect the integrity of source data to prevent accidental contamination or malicious corruption (e.g., data poisoning) that could compromise the performance of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MS-2.7-006 | N/A | Measure the rate at which recommendations from security checks and incidents are implemented. Assess how quickly the AI system can adapt and improve based on lessons learned from security incidents and feedback. | Functional | Intersects With | Time To Remediate / Benchmarks For Corrective Action | VPM-05.3 | Mechanisms exist to track the effectiveness of remediation operations through metrics reporting. | 5 | |
| MS-2.7-007 | N/A | Perform AI red-teaming to assess resilience against Abuse to facilitate attacks on other systems (e.g., malicious code generation, enhanced phishing context). GAI attacks (e.g., prompt injection). ML attacks (e.g., adversarial examples/prompts, data poisoning, membership inference, model extraction, sponge examples). | Functional | Intersects With | Data Source Integrity | AAT-12.2 | Mechanisms exist to protect the integrity of source data to prevent accidental contamination or malicious corruption (e.g., data poisoning) that could compromise the performance of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MS-2.7-007 | N/A | Perform AI red-tearning to assess realisence against Abuse to facilitate attacks on other systems (e.g., malicious code generation, enhanced phishing content), GAI attacks (e.g., prompt injection), ML attacks (e.g., adversarial examples/prompts, data poisoning, membership inference, model extraction, sponge examples). | Functional | Intersects With | Red Team Exercises | VPM-10 | Mechanisms exist to utilize 'red team' exercises to simulate attempts by adversaries to compromise systems and applications in accordance with organization-defined rules of engagement. | 5 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|--------------|----------|--|-------------------|----------------------|--|----------|---|---|------------------|
| MS-2.7-008 | N/A | Verify fine-tuning does not compromise safety and security controls. | Functional | Intersects With | Fine Tuning Risk Mitigation | AAT-17.5 | Mechanisms exist to ensure actions to fine-tune Artificial Intelligence (AI) and Autonomous Technologies (AAT) do not compromise existing safety and/or security controls. | 5 | |
| MS-2.7-009 | N/A | Regularly assess and verify that security measures remain effective and have not been compromised. | Functional | Intersects With | Al & Autonomous Technologies Ongoing Assessments | AAT-11.2 | safety and/or security controls. Mechanisme swist to conduct regular assessments of Artificial Intelligence (AI) and Autonomous Technologies (AAT) with independent assessors and stakeholders not involved in the development of the AAT. | 5 | |
| MEASURE 2.8 | N/A | Risks associated with transparency and accountability – as identified in the MAP function – are examined and documented. | Functional | Intersects With | AI TEVV Transparency & Accountability Assessment | AAT-10.6 | Mechanisms exist to examine risks associated with transparency and accountability of Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed. | 5 | |
| MS-2.8-001 | N/A | Compile statistics on actual policy violations, take-down requests, and intellectual property infringement for organizational GAI systems Analyze transparency reports across demographic groups, languages groups. | Functional | Intersects With | Al & Autonomous Technologies Risk Management Decisions | AAT-07 | Mechanisms exist to leverage decision makers from a diversity of demographics, disciplines, experience, expertise and backgrounds for mapping, measuring and managing Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks. | 5 | |
| MS-2.8-001 | N/A | Compile statistics on actual policy violations, take-down requests, and intellectual property infringement for organizational GAI systems Analyze transparency reports across demographic groups, languages groups. | Functional | Intersects With | Al & Autonomous Technologies Intellectual Property Infringement Protections | AAT-12 | Mechanisms exist to prevent init/party Intellectual Property (IP) rights infringement by Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MS-2.8-002 | N/A | Document the instructions given to data annotators or AI red-teamers. | Functional | Intersects With | Documenting Testing Guidance | AAT-26.4 | Mechanisms exist to document the instructions given to: (1) Data annotators; and/or (2) Artificial Intelligence (AI) and Autonomous Technologies (AAT) red- teamers. | 5 | |
| MS-2.8-003 | N/A | Use digital content transparency solutions to enable the documentation of each instance where content is generated, modified, or shared to provide a tamper- proof history of the content, promote transparency, and enable traceability. Robust version control systems can also be applied to track changes across the Allifecycle over time. | Functional | Intersects With | Al & Autonomous Technologies Transparency | AAT-20.1 | Mechanisms exist to ensure Artificial Intelligence (AI) and Autonomous Technologies (AAI) are designed and developed so its operation is sufficiently transparent such that output can be easily interpreted by personnel implementing the AAT. | 5 | |
| MS-2.8-003 | N/A | Use digital content transparency solutions to enable the documentation of each instance where content is generated, modified, or shared to provide a tamper- profitstory of the content, promote transparency, and enable traceability. Robust version control systems can also be applied to track changes across the Allifecycle over time. | Functional | Intersects With | Generative Artificial Intelligence (GAI) Identification | AAT-26.1 | Mechanisms exist to develop and implement testing techniques to identify Generative Artificial Intelligence (GAI) produced content (e.g., synthetic media). | 8 | |
| MS-2.8-004 | N/A | Verify adequacy of GAI system user instructions through user testing. | Functional | Intersects With | AI & Autonomous Technologies Human Subject Protections | AAT-17.1 | Mechanisms exist to protect human subjects from harm. | 3 | |
| MEASURE 2.9 | N/A | 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. | Functional | Subset Of | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) practices to enable Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the lifercycle of the AAT. | 10 | |
| MEASURE 2.9 | N/A | 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. | Functional | Intersects With | Al & Autonomous Technologies Transparency | AAT-20.1 | Mechanisms exist to ensure Artificial Intelligence (AI) and Autonomous Technologies (AAT) are designed and developed so its operation is sufficiently transparent such that output can be easily interpreted by personnel implementing the AAT. | 3 | |
| MS-2.9-001 | N/A | Apply and document ML explanation results such as Analysis of embeddings, Counterfactual prompts, Gradient-based attributions, Model compression/surrogate models, Occlusion/term reduction. | Functional | Intersects With | Real World Testing of AI & Autonomous Technologies | AAT-24 | Mechanisms exist to obtain consent from the subjects of testing Artificial Intelligence (A) and Autonomous Technologies (AAT): (1) Prior to their participation in such testing; and (2) After their having been provided with clear and concise information regarding the testing. | 5 | |
| MS-2.9-002 | N/A | Document GAI model details including Proposed use and organizational value; assumptions and limitations, Data collection methodologies; Data provenance; Data quality; Model architecture (e.g., convolutional neural network, transformers, Eci). Optimization objectives; Training algorithms; RLHF approaches; Fine-tuning or retrieval-augmented generation approaches; Evaluation data; Ethical considerations; Legal and regulatory requirements. | Functional | Intersects With | Al & Autonomous Technologies-Related Legal Requirements Definition | AAT-01.1 | Mechanisms exist to identify, understand, document and manage applicable statutory and regulatory requirements for Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 3 | |
| MS-2.9-002 | N/A | Document GAI model details including Proposed use and organizational value; Assumptions and limitations, Data collection methodologies; Data provenance; Data quality; Model architecture (e.g., convolutional neural network; transformers, etc.); Optimization objectives; Training algorithms; RLHF approaches; Fine-tuning or retrieval-augmented generation approaches; Evaluation data; Ethical considerations; Legal and regulatory requirements. | Functional | Intersects With | Al & Autonomous Technologies Potential Benefits Analysis | AAT-04.1 | Mechanisms exist to assess the potential benefits of proposed Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 3 | |
| MS-2.9-002 | N/A | Document GAI model details including Proposed use and organizational value; Assumptions and limitations, Data collection methodologies; Data provenance; Data quality; Model architecture (e.g., convolutional neural network; transformers, etc.); Optimization objectives; Training algoritms; RLHF approaches; Fine-tuning or retrieval-augmented generation approaches; Evaluation data; Ethicat considerations; Legal and regulatory requirements. | Functional | Subset Of | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEV) practices to enable Artificial Intelligence (a) and Autonomous Technologies (AT)-related security, resilience and compliance-related conformity testing throughout the lifecycle of the AAT. | 10 | |
| MS-2.9-002 | NA | Idout ments. Document GAI model details including Proposed use and organizational value; Assumptions and limitations, Data collection methodologies, Data provenance; Data quality, Model architecture (e.g., convolutional neural network, transformers, etc.). Optimization objectives; Training algorithms; RLHF approaches; Fine-tuning or retrieval-augmented generation approaches; Evaluation data; Ethical considerations; Legal and regulatory requirements. | Functional | Intersects With | Al & Autonomous Technologies Implementation Documentation | AAT-20.2 | Mechanisms exist to ensure Artificial Intelligence (AI) and Autonomous Technologies (AAT) include clear and concise documentation that is relevant, accessible and comprehensible to personal implementing and maintaining the AAT that, at a minimum, provides: (1) Contact details of the provider; (2) Characteristics, capabilities and limitations of performance of the AAT; (3) Errate from the AAT is initial conformity assessment; (4) Details necessary to interpret the outputs of the AAT; (5) Human oversight measures necessary to facilitate the interpretation of the outputs of the AAT; (6) Computational and hardware resources needed to operate the AAT; (7) Projected useable lifetime of the AAT; and (8) A description of the mechanisms included within the AAT system to properly collect, store and interpret event logs. | 5 | |
| MEASURE 2.10 | N/A | Privacy risk of the AI system – as identified in the MAP function – is examined and documented. | Functional | Subset Of | AI TEVV Privacy Assessment | AAT-10.7 | Mechanisms exist to examine the data privacy risk of Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed. | 10 | |
| MS-2.10-001 | N/A | Conduct AI red-teaming to assess issues such as Outputting of training data samples, and subsequent reverse engineering, model extraction, and membership interence risks; Revealing biometric, confidential, copyrighted, licensed, patented, personal, proprietary, sensitive, or trade- marked information; Tracking or revealing location information of users or members of training datasets. | Functional | Intersects With | Al & Autonomous Technologies Conformity | AAT-19 | Mechanisms exist to ensure deployed Artificial Intelligence (Al) and Autonomous Technologies (AR) conform to applicable statutory and regulatory requirements, based on: (1) Defined use cases; (2) Geographic markets; and (3) Use of Intelectual Property (IP). | 5 | |
| MS-2.10-001 | N/A | Conduct AI red-teaming to assess issues such as Outputting of training data samples, and subsequent reverse engineering, model extraction, and membership inference risks: Revealing biometric, confidential, copyrighted, Lionesd, patented, personal, proprietary, sensitivo, or trade- marked information; Tracking or revealing location information of users or members of training datasets. | Functional | Intersects With | Biometric Categorization | AAT-19.8 | Mechanisms axist to prohibit the sale, deployment and/or use of Artificial Intelligence (AI) and Autonomous Technologies (AAT) that categorize a person based on their biometric data to deduce, or infer, the individual's: (2) Political opinions; (3) Trade union membership; (4) Retiguius or philosophical beliefs; (5) Sex Iffe or sexual orientation; and/or (6) Aee. | 5 | |
| MS-2.10-001 | N/A | Conduct AI red-teaming to assess issues such as Outputting of training data samples, and subsequent reverse engineering, model extraction, and membership inference risks; Revealing biometric, confidential, copyrighted, licensed, patented, personal, proprietary, sensitive, or trade- marked information; Tracking or revealing location information of users or members of training datasets. | Functional | Intersects With | Red Team Exercises | VPM-10 | Mechanisms exist to utilize "red team" exercises to simulate attempts by adversaries to compromise systems and applications in accordance with organization-defined rules of engagement. | 5 | |
| MS-2.10-002 | N/A | Engage directly with end-users and other stakeholders to understand their expectations and concerns regarding content provenance. Use this feedback to guide the design of provenance data-tracking techniques. | Functional | Intersects With | Al & Autonomous Technologies Stakeholder Feedback Integration | AAT-11.1 | Mechanisms exist to regularly collect, consider, prioritize and integrate risk-related feedback from those external to the team that developed or deployed Artificial Intelligence (A) and Autonomous Technologies (AAT). | 5 | |
| MS-2.10-002 | N/A | Engage directly with end-users and other stakeholders to understand their expectations and concerns regarding content provenance. Use this feedback to guide the design of provenance data-tracking techniques. | Functional | Intersects With | AI & Autonomous Technologies End User Feedback | AAT-11.3 | Mechanisms exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |

| Version 2025.2 |
|----------------|
| 7/7/2025 |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM | STRM | SCF Control | SCF # | Secure Controls Framework (SCF) | Strength of Relationship | Notes (optional) |
|--------------|----------|---|------------|--------------------|---|-----------|--|-----------------------------|------------------|
| | | Verify deduplication of GAI training data samples, particularly regarding | Rationale | Relationship | | | Control Description Mechanisms exist to mitigate concerns of model collapse by: | (optional) | ······ |
| MS-2.10-003 | N/A | synthetic data. | Functional | Intersects With | AI TEVV Model Collapse Mitigations | AAT-10.18 | (1) Assessing the proportion of synthetic to non-synthetic training data; and (2) Verifying training data is not overly homogenous or Artificial Intelligence (A) and Autonomous Technologies (AAT) system-produced. | 3 | |
| MS-2.10-003 | N/A | Verify deduplication of GAI training data samples, particularly regarding synthetic data. | Functional | Intersects With | Data Source Identification | AAT-12.1 | Mechanisms exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). | 8 | |
| MEASURE 2.11 | N/A | Fairness and bias – as identified in the MAP function – are evaluated and results are documented. | Functional | Intersects With | AI TEVV Fairness & Bias Assessment | AAT-10.8 | Mechanisms exist to examine fairness and bias of Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed. | 5 | |
| MS-2.11-001 | N/A | Apply use-case appropriate benchmarks (e.g., Bias Benchmark Questions, Real Hateful or Harmful Prompts, Winogender Schemas 15) to quantify systemic bias, stereotyping, denigration, and hateful content in GA system outputs; Document assumptions and limitations of benchmarks, including any actual or possible training/test data cross contamination, relative to in- context deployment environment. | Functional | Subset Of | Al TEVV Fairness & Bias Assessment | AAT-10.8 | Mechanisms exist to examine fairness and bias of Artificial Intelligence (AI) and Autonomous Tochnologies (AAT) to be deployed. | 10 | |
| MS-2.11-001 | N/A | Apply use-case appropriate benchmarks (e.g., Bias Benchmark Questions, Real Hateful or Harmful Prompts, Winogender Schemas 15) to quantify systemic bias, stereotyping, denigration, and hateful content in GA system outputs; Document assumptions and limitations of benchmarks, including any actual or possible training/test data cross contamination, relative to in- context deployment environment. | Functional | Intersects With | Real World Testing of AI & Autonomous Technologies | AAT-24 | Mechanisms exist to obtain consent from the subjects of testing Artificial Intelligence (A) and Autonomous Technologies (AAT): (1) Prior to their participation in such testing, and (2) After their having been provided with clear and concise information regarding the testing. | 8 | |
| MS-2.11-002 | NA | Conduct fairness assessments to measure systemic bias. Measure GAI system performance across democyphic groups and subgroups, addressing both quality of sarvice and any allocation of services and resources. Quantify harms using field testing with sub-group populations to determine likelihood of suposure to generated content enhibiting harmful bias. Al red-tearning with counterfactual and low-context (e.g., "leader," "bad gays") prompts. For ML pipelines or business processes with categorical or numeric outcomes that rely on GAI, apply general fairness metrics (e.g., demographic parity, equalized odds, equal opportunity, statistical hypothesis tests), to the pipeline or business outcome where appropriate. Counton, context-specific metrics developed in collaboration with domain experts and affected communities; Measurements for the prevalence of denigration in generated content in deployment (e.g., sub- sampling a fraction of traffic and manuality annotating demixativing content). | Functional | Subset Of | AI TEVV Fairness & Bias Assessment | AAT-10.8 | Mechanisms exist to examine fairness and bias of Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed. | 10 | |
| MS-2.11-003 | N/A | Identify the classes of individuals, groups, or environmental ecosystems which might be impacted by GAI systems through direct engagement with potentially impacted communities. | Functional | Intersects With | Al & Autonomous Technologies Risk Management Decisions | AAT-07 | Mechanisms exist to leverage decision makers from a diversity of demographics, disciplines, experience, expertise and backgrounds for mapping, measuring and managing Artificial Intelligence (AI) and Autonomous Technologies (AT)-related risks. | 5 | |
| MS-2.11-004 | N/A | leview, document, and measure sources of bias in GAI training and TEW dataDifferences in distributions of outcomes across and within groups, including intersecting groups; Completeness, representativeness, and balance of data sources; demographic group and subgroup coverage in GAI system training data; Forma of latent systemic bias in images, text, audio, embeddings, or other complex or unstructured data; Input data features that may serve as process for demographic group membership (i.e., image metadata, language dialect) or otherwise give rise to emergent bias within GAI systems; The extent to which the digital divide may negatively impact representativeness in GAI system training data; Prevalence of GAI-generated data in GAI system training data; | Functional | Subset Of | AI TEVV Fairness & Bias Assessment | AAT-10.8 | Mechanisms exist to examine fairness and bias of Artificial Intelligence (Al) and Autonomous Technologies (AAT) to be deployed. | 10 | |
| MS-2.11-005 | N/A | Assess the proportion of synthetic to non-synthetic training data and verify training data is not overly homogenous or GAI-produced to mitigate concerns of model collapse. | Functional | Equal | AI TEVV Model Collapse Mitigations | AAT-10.18 | Mechanisms exist to mitigate concerns of model collapse by: (1) Assessing the proportion of synthetic to non-synthetic training data; and (2) Verifying training data is not overly homogenous or Artificial Intelligence (AI) and Autonomous Technologies (AAT) system-produced. | 10 | |
| MEASURE 2.12 | N/A | Environmental impact and sustainability of AI model training and management activities – as identified in the MAP function – are assessed and documented. | Functional | Intersects With | Al & Autonomous Technologies Environmental Impact & Sustainability | AAT-17.2 | Mechanisms exist to assess and document the environmental impacts and sustainability of Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MS-2.12-001 | N/A | Assess safety to physical environments when deploying GAI systems. | Functional | Subset Of | Al & Autonomous Technologies Harm Prevention | AAT-17 | Mechanisms exist to proactively prevent harm by regularly identifying and tracking existing, unanticipated and emergent Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks. | 10 | |
| MS-2.12-001 | N/A | Assess safety to physical environments when deploying GAI systems. | Functional | Intersects With | AI & Autonomous Technologies Human Subject Protections | AAT-17.1 | Mechanisms exist to protect human subjects from harm. | 8 | |
| MS-2.12-001 | N/A | Assess safety to physical environments when deploying GAI systems. | Functional | Intersects With | Safety Assessment | EMB-15 | Mechanisms exist to evaluate the safety aspects of embedded technologies via a fault tree analysis, or similar method, to determine possible consequences of misuse, misconfiguration and/or failure. | 3 | |
| MS-2.12-002 | N/A | Document anticipated environmental impacts of model development, maintenance, and deployment in product design decisions. | Functional | Intersects With | Al & Autonomous Technologies Environmental Impact & Sustainability | AAT-17.2 | Mechanisms exist to assess and document the environmental impacts and sustainability of Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MS-2.12-003 | N/A | Measure or estimate environmental impacts (e.g., energy and water consumption) for training, fine tuning, and deploying models Verify tradeoffs between resources used at inference time versus additional resources required at training time. | Functional | Intersects With | Al & Autonomous | AAT-17.2 | Mechanisms exist to assess and document the environmental impacts and sustainability of Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MS-2.12-004 | N/A | resources required at uniming time. Verify effectiveness of carbon capture or offset programs for GAI training and applications, and address green-washing concerns. | Functional | Intersects With | AI & Autonomous | AAT-17.2 | Mechanisms exist to assess and document the environmental impacts and sustainability of Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MEASURE 2.13 | N/A | Effectiveness of the employed TEVV metrics and processes in the MEASURE function are evaluated and documented. | Functional | Intersects With | Artificial Intelligence Test, Evaluation | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) practices to enable Artificial Intelligence (A) and Autonomous Technologies (AAT)-related security, relatione can do compliance-related conformity testing throughout the lifevcie of the AAT. | 5 | |
| MS-2.13-001 | N/A | Create measurement error models for pra-deployment metrics to demonstrate construct validity for each metric (i.e., does the metric effectively operationalize the desired concept) Measure or estimate, and document, biases or statistical variance in applied metrics or structured human feedback processes; Leverage domain expertise when modeling complex societal constructs such as hateful content. | Functional | No Relationship | N/A | N/A | No applicable SCF control | N/A | |
| MEASURE 3.2 | N/A | Connexe societation considered for settings, Risk tracking approaches are considered for settings, difficult to assess using currently available measurement techniques or where metrics are not yet available. | Functional | Intersects With | Al & Autonomous Technologies Risk Management Decisions | AAT-07 | Mechanisms exist to leverage decision makers from a diversity of demographics, disciplines, experience, expertise and backgrounds for mapping, measuring and managing Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks. | 5 | |
| MS-3.2-001 | N/A | Establish processes for identifying emergent GAI system risks including consulting with external AI Actors. | Functional | Intersects With | Al & Autonomous Technologies Risk Management Decisions | AAT-07 | Mechanisms exist to leverage decision makers from a diversity of demographics, disciplines, experience, expertise and backgrounds for mapping, measuring and managing Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks. | 5 | |
| MEASURE 3.3 | N/A | Feedback processes for end users and impacted communities to report problems and appeal system outcomes are established and integrated into AI system evaluation metrics. | Functional | Intersects With | AI & Autonomous Technologies End User Feedback | AAT-11.3 | Mechanisms exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |
| MS-3.3-001 | N/A | Conduct impact assessments on how Al-generated content might affect different social, economic, and cultural groups. | Functional | Intersects With | Al & Autonomous Technologies Impact Assessment | AAT-07.1 | Mechanisms exist to assess the impact(s) of proposed Artificial Intelligence (AI) and Autonomous Technologies (AAT) on individuals, groups, communities, organizations and society (e.g., Fundamental Rights Impact Assessment (FRIA)). | 5 | |
| MS-3.3-002 | N/A | Conduct studies to understand how end users perceive and interact with GAI content and accompanying content provenance within context of use. Assess whether the content aligns with their expectations and how they may act upon the information presented. | Functional | No Relationship | N/A | N/A | rights impact Assessment (FNA). No applicable SCF control | N/A | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|-------------|----------|--|-------------------|----------------------|---|----------|--|---|------------------|
| MS-3.3-003 | N/A | Evaluate potential biases and steeotypes that could emerge from the Al- generated content using appropriate methodologies including computational testing methods as well as evaluating structured feedback input. | Functional | Intersects With | Al & Autonomous Technologies Fairness & Bias | AAT-06 | Mechanisma exist to prevent Artificial Intelligence (A) and Autonomous Technologies (AAT) from unfaitly identifying, profiling and/or statistically singling out a segmented population defined by race, neligion, gender identity, national origin, religion, disability or any other politically-charged identifier. | | |
| MS-3.3-004 | N/A | Provide input for training materials about the capabilities and limitations of GAI systems related to digital content transparency for AI Actors, other professionals, and the public about the societal impacts of AI and the role of diverse and inclusive content generation. | Functional | Intersects With | AI & Autonomous Technologies Training | AAT-05 | Mechanisms exist to ensure personnel and external stakeholders are provided with position-specific risk management training for Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MS-3.3-005 | N/A | Record and integrate structured feedback about content provenance from operators, users, and potentially impacted communities through the use of methods such as user research studies, focus groups, or community forums. Actively seek feedback on generated content quality and potential biases. Assess the general awareness among end users and impacted communities about the availability of these feedback channels. | Functional | Intersects With | Al TEVV Fairness & Bias Assessment | AAT-10.8 | Mechanisms exist to examine fairness and bias of Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed. | 5 | |
| MS-3.3-005 | N/A | Record and integrate structured feedback about content provenance from operators, users, and potentially impacted communities through the use of methods such as user research studies, focus groups, or community forums. Actively seek feedback on generated content quality and potential biases. Assess the general awareness among end users and impacted communities about the availability of these feedback channels. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (A) and Autonomous Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 5 | |
| MEASURE 4.2 | N/A | 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. | Functional | Intersects With | AI TEVV Trustworthiness Assessment | AAT-10.1 | Mechanisms exist to evaluate Artificial Intelligence (AI) and Autonomous Technologies (AAT) for trustworthy behavior and operation including security, anonymization and disaggregation of captured and stored data for approved purposes. | 5 | |
| MS-4.2-001 | N/A | Conduct adversarial testing at a regular cadence to map and measure GAI risks, including tests to address attempts to deceive or manipulate the application of provenance techniques or other misuses. Identify vulnerabilities and understand potential misuse scenarios and unintended outputs. | Functional | Intersects With | Real World Testing of AI & Autonomous Technologies | AAT-24 | Mechanisms exist to obtain consent from the subjects of testing Artificial Intelligence (A) and Autonomous Technologies (AAT): (1) Prior to their participation in such testing; and (2) After their having been provided with clear and concise information regarding the testing. | 5 | |
| MS-4.2-002 | N/A | Evaluate GAI system performance in real-world scenarios to observe its behavior in practical environments and reveal issues that might not surface in controlled and optimized testing environments. | Functional | Intersects With | Real World Testing of Al & Autonomous Technologies | AAT-25 | Mechanisms wisit to obtain freely-given, informed consent from the subjects of testing Artificial Intelligence (AI) and Autonomous Technologies (AAT) systems: (1) Prior to their participation in such testing; and (2) After their having been duly informed with concise, clear, relevant, and understandbe information regarding the testing. | 5 | |
| MS-4.2-003 | N/A | Implement interpretability and explainability methods to evaluate GAI system decisions and verify alignment with intended purpose. | Functional | Intersects With | Al & Autonomous Technologies Transparency | AAT-20.1 | Mechanisms exist to ensure Artificial Intelligence (AI) and Autonomous Technologies (AAT) are designed and developed so its operation is sufficiently transparent such that output can be easily interpreted by personnel implementing the AAT. | 5 | |
| MS-4.2-004 | N/A | Monitor and document instances where human operators or other systems override the GAI's decisions. Evaluate these cases to understand if the overrides are linked to issues related to content provenance. | Functional | Intersects With | Responsibility To Supersede, Deactivate and/or Disengage AI & Autonomous Technologies | AAT-15.2 | Mechanisms exist to define the criteria and responsible party(ies) for superseding, disengaging or deactivating Artificial Intelligence (AI) and Autonomous Technologies (AAT) that demonstrate performance or outcomes inconsistent with intended use. | 5 | |
| MS-4.2-005 | N/A | Verify and document the incorporation of results of structured public feedback exercises into design, implementation, deployment approval ("go"/"no-go" decisions), monitoring, and decommission decisions. | Functional | Intersects With | AI & Autonomous Technologies Stakeholder Feedback Integration | AAT-11.1 | Mechanisms exist to regularly collect, consider, prioritize and integrate risk-related feedback from those external to the team that developed or deployed Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MS-4.2-005 | N/A | Verify and document the incorporation of results of structured public feedback exercises into design, implementation, deployment approval ("go")"no-go" decisions), monitoring, and decommission decisions. | Functional | Intersects With | AI & Autonomous | AAT-11.3 | Mechanisms exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |
| MANAGE 1.3 | N/A | 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. | Functional | Intersects With | Al & Autonomous Technologies Risk Management Decisions | AAT-07 | Mechanisms exist to leverage decision makers from a diversity of demographics, disciplines, experience, expertise and backgrounds for mapping, measuring and managing Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks. | 5 | |
| MANAGE 1.3 | N/A | 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. | Functional | Intersects With | Al & Autonomous Technologies Risk Profiling | AAT-09 | Mechanisms exist to document the risks and potential impacts of Artificial Intelligence (A) and Autonomous Technologies (AAT) that are: (1) Designed; (2) Devidence; (3) Deployed; (4) Evaluated; and/or (5) Used. | 5 | |
| MG-1.3-001 | N/A | Document trade-offs, decision processes, and relevant measurement and feedback results for risks that do not surpass organizational risk tolerance, for example, in the context of model releaseSConside different approaches for model release, for example, leveraging a staged release approach. Consider release approaches in the context of the model and its projected use cases. Mitigate, transfer, or avoid risks that surpass organizational risk loterances. | Functional | Intersects With | AI TEVV Safety Demonstration | AAT-10.4 | Mechanisms exist to demonstrate the Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed are safe, residual risk does not exceed the organizatior's risk tolerance and can fait asfely, particularly if made to operate beyond its knowledge limits. | 5 | |
| MG-1.3-001 | N/A | Document trade-offs, decision processes, and relevant measurement and readback results for risks that do not surpass organizational risk tolerance, for example, in the context of model releaseConsider different approaches for model release, for example, leveraging a staged release approach. Consider release approaches in the context of the model and its projected use cases. Mitigate, transfer, or avoid risks that surpass organizational risk tolerances. | Functional | Intersects With | Al & Autonomous Technologies Negative Residual Risks | AAT-15.1 | Mechanisms exist to identify and document negative, residual risks (defined as the sum of all unmitigated risks) to both downstream acquirers and end users of Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MG-1.3-002 | N/A | Noniror the robustness and effectiveness of risk controls and mitigation plans (e.g., via red-teaming, field testing, participatory engagements, performance assessments, user feedback mechanisms). | Functional | Intersects With | Measuring AI & Autonomous Technologies Effectiveness | AAT-16.2 | Mechanisms exist to regularly assess the effectiveness of existing controls, including reports of errors and potential impacts on affected communities. | 5 | |
| MANAGE 2.2 | N/A | Mechanisms are in place and applied to sustain the value of deployed Al systems. | Functional | Intersects With | AI & Autonomous | AAT-01.3 | Mechanisms exist to sustain the value of deployed Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MG-2.2-001 | N/A | Compare GAI system outputs against pre-defined organization risk tolerance, guidelines, and principles, and review and test Al-generated content against these guidelines. | Functional | Intersects With | AI TEVV Safety Demonstration | AAT-10.4 | Mechanisms exist to demonstrate the Artificial Intelligence (Al) and Autonomous Technologies (AAT) to be deployed are safe, residual risk does not exceed the organization's risk tolerance and can fail safely, particularly if made to operate beyond its knowledge limits. | 5 | |
| MG-2.2-002 | N/A | Document training data sources to trace the origin and provenance of Al- generated content. Document training data sources to trace the origin and provenance of Al- | Functional | Intersects With | Data Source Identification | AAT-12.1 | Mechanisms exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). Mechanisms exist to protect the integrity of source data to prevent | 5 | |
| MG-2.2-002 | N/A | generated content. | Functional | Intersects With | Data Source Integrity | AAT-12.2 | accidental contamination or malicious corruption (e.g., data poisoning) that could compromise the performance of Artificial Intelligence and Autonomous Technologies (AAT). Mechanisms exist to identify and document data sources utilized in the | 5 | |
| MG-2.2-003 | N/A | human reviewers, and update where needed. Implement real-time monitoring systems to affirm that content provenance protocols remain effective. | Functional | Intersects With | Data Source Identification | AAT-12.1 | training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MG-2.2-003 | N/A | Evaluate feedback loops between GAI system content provenance and human reviewers, and update where needed. Implement real-time monitoring systems to affirm that content provenance protocols remain effective. | Functional | Intersects With | | AAT-12.2 | Mechanisms exist to protect the integrity of source data to prevent accidental contamination or malicious corruption (e.g., data poisoning) that could compromise the performance of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MG-2.2-003 | N/A | Evaluate feedback loops between GAX system content provenance and human reviewers, and update where needed. Implement real-time monitoring systems to affirm that content provenance protocols remain effective. | Functional | Intersects With | Efficacy of AI & Autonomous Technologies Measurement | AAT-16.4 | Mechanisms exist to gather and assess feedback about the efficacy of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related measurements. | 5 | |
| MG-2.2-004 | N/A | Evaluate GAI content and data for representational biases and employ techniques such as re-sampling, re-ranking, or adversarial training to mitigate biases in the generated content. | Functional | Intersects With | AI TEVV Fairness & Bias Assessment | AAT-10.8 | Mechanisms exist to examine fairness and bias of Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed. | 5 | |
| MG-2.2-005 | N/A | Engage in due lightene to analyze GAI output for harmful content, potential misinformation, and CBRN-related or NCII content. | Functional | Intersects With | Al & Autonomous Technologies Output Filtering | AAT-27 | Mechanisms exist to prevent Artificial Intelligence (AI) and Autonomous Technologies (AAT) from generating content that is: (1) Inappropriate; (2) Harmfut; (3) False; (4) Illegal; and/or | 5 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|------------|----------|--|-------------------|----------------------|---|-----------|--|---|------------------|
| MG-2.2-006 | N/A | Use feedback from internal and external AI Actors, users, individuals, and communities, to assess impact of AI-generated content. | Functional | Intersects With | Al & Autonomous Technologies Stakeholder Feedback | AAT-11.1 | Mechanisms exist to regularly collect, consider, prioritize and integrate risk-related feedback from those external to the team that developed or deployed Artificial Intelligence (AI) and Autonomous Technologies | 5 | |
| MG-2.2-006 | N/A | Use feedback from internal and external AI Actors, users, individuals, and communities, to assess impact of AI-generated content. | Functional | Intersects With | Integration AI & Autonomous Technologies End User Feedback | AAT-11.3 | [AAT]. Mechanisma exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |
| MG-2.2-007 | N/A | Use real-time auditing tools where they can be demonstrated to aid in the tracking and validation of the lineage and authenticity of Al-generated data. | Functional | Intersects With | Artificial Intelligence Test, Evaluation, Validation & Verification (Al TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) practices to enable Artificial Intelligence (A) and Autonomous Technologies (AT)-related security, resilience and compliance-related conformity testing throughout the lifexycle of the AAT. | 5 | |
| MG-2.2-008 | N/A | Use structured feedback mechanisms to solicit and capture user input about AI- generated content to detect subtle shifts in quality or alignment with community and societal values. | Functional | Intersects With | AI & Autonomous Technologies End User Feedback | AAT-11.3 | Mechanisms exist to collect and integrate feedback from end users and impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. | 5 | |
| MG-2.2-009 | N/A | Consider opportunities to responsibly use synthetic data and other privacy enhancing techniques in GAI development, where appropriate and applicable, match the statistical properties of real-world data without disclosing personally identifiable information or contributing to homogenization. | Functional | No Relationship | N/A | N/A | No applicable SCF control | N/A | |
| MANAGE 2.3 | N/A | Procedures are followed to respond to and recover from a previously unknown risk when it is identified. | Functional | Intersects With | Previously Unknown AI & Autonomous Technologies Threats & Risks | AAT-17.3 | Mechanisms exist to respond to and recover from a previously unknown Artificial Intelligence (AI) and Autonomous Technologies (AAT)- related risk when it is identified. | 5 | |
| MG-2.3-001 | N/A | Develop and update GA system incident response and recovery plana and procedures to address the followingReview and maintenance of policies and procedures to account for newly encountered uses; Review and maintenance of policies and procedures for detection of unanticipated uses; Verify response and recovery plans account for the GAI system value chain; Verify response and recovery plans are updated for and include encessary details to communicate with downstreem GAI system ActorsPoints-of-Contact (POC), Contact information, notification format. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, messuring and managing of Artificial intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| MG-2.3-001 | N/A | Develop and update GA system incident response and recovery plana and procedures to address the followingReview and maintenance of policies and procedures to account for newly encountered uses. Review and maintenance of policies and procedures for detection of unanticipated uses; Verify response and recovery plans account for the GA system value chain; Verify response and recovery plans are updated for and include encessary details to communicate with downstream GAI system ActorsPoints-of-Contact (POC), Contact information, notification format. | Functional | Intersects With | Business Continuity Management System (BCMS) | BCD-01 | Mechanisms exist to facilitate the implementation of contingency planning controls to help ensure resilient assets and services (a.g., Continuity of Orations Rain (COOP) or Business Continuity & Disaster Recovery (BC/DR) playbooks). | 5 | |
| MG-2.3-001 | N/A | Develop and update GAI system incident response and recovery plans and procedures to address the followingReview and maintenance of policies and procedures to account for newly encountered uses. Review and maintenance of policies and procedures for detection of unanticipated uses; Verify response and recovery plans account for the GAI system value chain; Verify response and recovery plans are updated for and include necessary details to communice with downstreem GAI system ActoraPoints-of-Contact (POC), Contact information, notification format. | Functional | Intersects With | Incident Response Plan (IRP) | IRO-04 | Machaniams exist to maintain and make available a current and viable Incident Response Plan (IRP) to all stakeholders. | 5 | |
| MANAGE 2.4 | N/A | 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. | Functional | Intersects With | Responsibility To Supersede, Deactivate and/or Disengage AI & Autonomous Technologies | AAT-15.2 | Mechanisms exist to define the criteria and responsible partylies) for superseding, disengaging or deactivating Artificial Intelligence (AI) and Autonomous Technologies (AAT) that demonstrate performance or outcomes inconsistent with intended use. | 5 | |
| MG-2.4-001 | N/A | Establish and maintain communication plans to inform Al stakeholders as part of the deactivation or disangegement process of a specific CAI system (including for open-source models) or context of use, including reasons, workarounds, user access removal, alternative processes, contact information, etc. | Functional | Intersects With | Robust Stakeholder Engagement for Al & Autonomous Technologies | AAT-11 | Mechanisms exist to compel ongoing engagement with relevant Artificial Intelligence (A) and Autonomus Technologies (AAT) stakeholders to encourage feedback about positive, negative and unanticipated impacts. | 5 | |
| MG-2.4-002 | N/A | Establish and maintain procedures for ascalating GAI system incidents to the organizational risk management authority when specific criteria for deactivation or disengagement is met for a particular context of use or for the GAI system as a whole. | Functional | Intersects With | Responsibility To Supersede, Deactivate and/or Disengage AI & Autonomous Technologies | AAT-15.2 | Mechanisme exist to define the criteria and responsible party(ies) for superseding, disengaging or deactivating Artificial Intelligence (AI) and Autonomous Technologies (AAT) that demonstrate performance or outcomes inconsistent with intended use. | 5 | |
| MG-2.4-003 | N/A | Establish and maintain procedures for the remediation of issues which trigger incident response processes for the use of a GAI system, and provide stakeholders timelines associated with the remediation plan. | Functional | Intersects With | Al & Autonomous Technologies Risk Response | AAT-18.1 | Mechanisms exist to prioritize, respond to and remediate Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks based on assessments and other analytical output. | 5 | |
| MG-2.4-004 | N/A | Establish and regularly review specific criteria that warrants the deactivation of GAI systems in accordance with set risk tolerances and appetites. | Functional | Intersects With | Responsibility To Supersede, Deactivate and/or Disengage AI & Autonomous Technologies | AAT-15.2 | Mechanisms exist to define the criteria and responsible party(ies) for superseding, disengaging or deactivating Artificial Intelligence (AI) and Autonomous Technologies (AAT) that demonstrate performance or outcomes inconsistent with intended use. | 5 | |
| MANAGE 3.1 | N/A | Al risks and benefits from third-party resources are regularly monitored, and risk controls are applied and documented. | Functional | Intersects With | Situational Awareness of AI & Autonomous Technologies | AAT-02 | Mechanisms exist to develop and maintain an inventory of Artificial Intelligence (AI) and Autonomous Technologies (AAT) (internal and third- party). | 3 | |
| MANAGE 3.1 | N/A | Al risks and benefits from third-party resources are regularly monitored, and risk controls are applied and documented. | Functional | Intersects With | Al & Autonomous Technologies Cost / Benefit Mapping | AAT-04.4 | Mechanisms exist to map risks and benefits for all components of Artificial Intelligence (AI) and Autonomous Technologies (AAT), including third-party software and data. | 8 | |
| MG-3.1-001 | N/A | Apply organizational risk tolerances and controls (e.g., acquisition and procurement processes, assessing personnel credentinis and qualifications, performing background checks; fittering GAI input and outputs, grounding, fine tuning, retrieval-augmented generation) to third- party GAI resourcesApply organizational risk tolerance to the utilization of third-party datasets and other GAI resources. Apply organizational risk tolerances to fine-tuned third-party models adapted to a new domain; Reassess risk measurements after fine-tuning third-party GAI models. | Functional | Subset Of | Adequate Protections For Al & Autonomous Technologies | AAT-02.3 | Mechanisms exist to ensure Artificial Intelligence (AI) and Autonomous Technologies (AI) include reasonable cybersecurity and data protections that are commensurate with assessed risks and threats. | 10 | |
| MG-3.1-002 | N/A | Test GAI system value chain risks (e.g., data poisoning, malware, other software and hardware vulnerabilities; labor practices; data privacy and localization compliance; geopolitical alignment). | Functional | Intersects With | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) practices to enable Artificial Intelligence (A) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the <u>lifercycle of the AAT</u> . | 5 | |
| MG-3.1-003 | N/A | Re-assess model risks after fine-tuning or retrieval-augmented generation implementation and for any third-party GAI models deployed for applications and/or use cases that were not evaluated in initial testing. | Functional | Intersects With | AI TEVV Trustworthiness Assessment | AAT-10.1 | Mechanisms exist to evaluate Artificial Intelligence (AI) and Autonomous Technologies (AAT) for trustworthy behavior and operation including security, anonymization and disaggregation of captured and stored data for approved purposes. | 5 | |
| MG-3.1-003 | N/A | Re-assess model risks after fine-tuning or retrieval-augmented generation implementation and for any third-party GAI models deployed for applications and/or use cases that were not evaluated in initial testing. | Functional | Intersects With | Al & Autonomous Technologies Ongoing Assessments | AAT-11.2 | Mechanisms exist to conduct regular assessments of Artificial Intelligence (AI) and Autonomous Technologies (AAT) with independent assessors and stakeholders not involved in the development of the AAT. | 5 | |
| MG-3.1-004 | N/A | Take reasonable measures to review training data for CBRN information, and intellectual property, and where appropriate, remove it. Implement reasonable measures to prevent, flag, or take other action in response to outputs that reproduce particular training data (e.g., plagiarized, trademarked, patented, licensed content or trade secret material). | Functional | Intersects With | AI & Autonomous Technologies Intellectual Property Infringement Protections | AAT-12 | Mechanisms exist to prevent third-party Intellectual Property (IP) rights infringement by Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MG-3.1-004 | N/A | Take reasonable measures to review training data for CBRN information, and intellectual property, and where appropriate, remove it. Implement reasonable measures to prevent, Ifag, or take other action in response to outputs that reproduce particular training data (e.g., plagiarized, trademarked, patented, licensed content or trade secret material). | Functional | Intersects With | Real World Testing of Al & Autonomous Technologies | AAT-24 | Machanisms exist to obtain consent from the subjects of testing Artificial Intelligence (A) and Autonomous Technologies (AAT): (1) Prior to their participation in such testing, and (2) After their having been provided with clear and concise information regarding the testing. | 5 | |
| MG-3.1-005 | N/A | Review various transparency artifacts (e.g., system cards and model cards) forthird-party models. | Functional | Intersects With | Al & Autonomous Technologies Transparency | AAT-20.1 | Mechanisms exist to ensure Artificial Intelligence (AI) and Autonomous Technologies (AAT) are designed and developed so its operation is sufficiently transparent such that output can be easily interpreted by personnel implementing the AAT. | 5 | |
| MANAGE 3.2 | N/A | Pre-trained models which are used for development are monitored as part of AI system regular monitoring and maintenance. | Functional | Intersects With | AI TEVV Post-Deployment Monitoring | AAT-10.13 | Mechanisms exist to proactively and continuously monitor deployed Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship | Notes (optional) |
|------------|----------|---|-------------------|----------------------|--|-----------|---|-----------------------------|------------------|
| | | Apply explainable AI (XAI) techniques (e.g., analysis of embeddings, model compression/distillation, gradient-based attributions, occlusion/term | | | | | No applicable SCF control | (optional) | |
| MG-3.2-001 | N/A | reduction, counterfactual prompts, word clouds) as part of ongoing continuous improvement processes to mitigate risks related to <u>unexplainable GAI systems</u> . Document how pre-trained models have been adapted (e.g., fine-tuned, or | Functional | No Relationship | N/A | N/A | No applicable SCF control | N/A | |
| MG-3.2-002 | N/A | retrieval-augmented generation) for the specific generative task, including any data augmentations, parameter adjustments, or other modifications. Access to un-tuned (baseline) models supports debugging the relative influence of the pre- trained weights compared to the fine-tuned model | Functional | No Relationship | N/A | N/A | red applicable SCF control | N/A | |
| MG-3.2-003 | N/A | weights or other system updates. Document sources and types of training data and their origins, potential biases present in the data related to the GAI application and its content provenance, architecture, training process of the pre-trained model including information on hyperparameters, training duration, and any fine- | Functional | Intersects With | Al TEVV Fairness & Bias Assessment | AAT-10.8 | Mechanisms exist to examine fairness and bias of Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed. | 5 | |
| | | tuning or retrieval-augmented generation processes applied. Evaluate user reported problematic content and integrate feedback into | | | | | Mechanisms exist to collect and integrate feedback from end users and | | |
| MG-3.2-004 | N/A | system updates. | Functional | Intersects With | AI & Autonomous Technologies End User Feedback | AAT-11.3 | impacted communities into Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related system evaluation metrics. Mechanisms exist to prevent Artificial Intelligence (AI) and Autonomous | 5 | |
| MG-3.2-005 | N/A | Implement content tites to prevent the generation of mappinghase, harmful, risks, ligsal, or violent content related to the GA application, including for CSAM and NCII. These filters can be rule-based or leverage additional machine learning models to flag problematic inputs and outputs. | Functional | Equal | Al & Autonomous Technologies Output Filtering | AAT-27 | Technologies (AAT) from generating content that is: (1) Inappropriate; (2) Harmful; (3) False; (4) Illegal; and/or (5) Violent. | 10 | |
| MG-3.2-006 | N/A | Implement real-time monitoring processes for analyzing generated content performance and trustworthiness characteristics related to content provenance to identify deviations from the desired standards and trigger alerts for human intervention. | Functional | Intersects With | Automated Tools for Real- Time Analysis | MON-01.2 | Mechanisms exist to utilize a Security Incident Event Manager (SIEM), or similar automated tool, to support near real-time analysis and incident escalation. | 5 | |
| MG-3.2-006 | N/A | Implement real-time monitoring processes for analyzing generated content performance and trustworthiness characteristics related to content provenance to identify deviations from the desired standards and trigger alerts for human intervention. | Functional | Intersects With | Real-Time Alerts of Event Logging Failure | MON-05.1 | Mechanisms exist to provide 24x7x365 near real-time alerting capability when an event log processing failure occurs. | 5 | |
| MG-3.2-007 | N/A | Leverage feedback and recommendations from organizational boards or committees related to the deployment of GAI applications and content provenance when using third-party pre-trained models. | Functional | Intersects With | AI & Autonomous Technologies Stakeholder Feedback | AAT-11.1 | Mechanisms exist to regularly collect, consider, prioritize and integrate risk-related feedback from those external to the team that developed or deployed Artificial Intelligence (AI) and Autonomous Technologies | 5 | |
| MG-3.2-008 | N/A | Use human moderation systems where appropriate to review generated content in accordance with human-Al configuration policies established in the Govern function, aligned with socio-cultural norms in the context of use, and for settings where Al models are demonstrated to perform poorly. | Functional | Equal | Integration Human Moderation | AAT-27.1 | (AAT). Mechanisms exist to assign personnel to review Artificial Intelligence (AI) and Autonomous Technologies (AAT)-generated content for alignment with culturally accepted norms. | 10 | |
| MG-3.2-009 | N/A | Use organizational risk tolerance to evaluate acceptable risks and performance metrics and decommission or retrain pre-trained models that perform outside of defined limits. | Functional | Intersects With | AI TEVV Safety Demonstration | AAT-10.4 | Mechanisms exist to demonstrate the Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed are safe, residual risk does not exceed the organization's risk tolerance and can fail safely, excluded the fand to be most be burned to burned for limits | 5 | |
| MANAGE 4.1 | N/A | 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. | Functional | Intersects With | AI TEVV Trustworthiness Assessment | AAT-10.1 | particularly if made to operate beyond its knowledge limits. Mechanisms exist to evaluate Artificial Intelligence (AI) and Autonomous Technologies (AAT) for trustworthy behavior and operation including security, anonymization and disaggregation of captured and stored data for approved purposes. | 5 | |
| MANAGE 4.1 | N/A | 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. | Functional | Intersects With | Al & Autonomous Technologies Domain Expert Reviews | AAT-16.5 | Mechanisms exist to utilize input from domain experts and relevant stakeholders to validate whether the Artificial Intelligence (AI) and Autonomous Technologies (AAT) perform consistently, as intended. | 5 | |
| MANAGE 4.1 | N/A | 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. | Functional | Intersects With | Al & Autonomous Technologies Event Logging | AAT-16.8 | Mechanisms exist to ensure Artificial Intelligence (AI) and Autonomous Technologies (AAI) system event logging capabilities at a minimum provide: (1) Start date, start time, end date and end time for each use; (2) Database(s) against which input data has been checked by the system; (3) Input data for which the search has led to a match; and (4) Ioentification of individual(s) involved in the verification of the | 5 | |
| MG-4.1-001 | N/A | Collaborate with external researchers, industry experts, and community representatives to maintain awareness of emerging best practices and technologies in measuring and managing identified risks. | Functional | Intersects With | Al & Autonomous Technologies Domain Expert Reviews | AAT-16.5 | results. Mechanisms exist to utilize input from domain experts and relevant stakeholders to validate whether the Artificial Intelligence (AI) and Autonomous Technologies (AAT) perform consistently, as intended. | 5 | |
| MG-4.1-002 | N/A | Establish, maintain, and evaluate effectiveness of organizational processes and procedures for post-deployment monitoring of GAI systems, particularly for potential confabulation, CBRN, or cyber risks. | Functional | Intersects With | AI TEVV Effectiveness | AAT-10.11 | Mechanisms exist to evaluate the effectiveness of the processes utilized to perform Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV). | 5 | |
| MG-4.1-003 | N/A | Evaluate the use of sentiment analysis to gauge user sentiment regarding GAI content performance and impact, and work in collaboration with AI Actors experienced in user research and experience. | Functional | Intersects With | Artificial Intelligence (AI) & Autonomous Technologies Governance | AAT-01 | Mechanisms exist to ensure policies, processes, procedures and practices related to the mapping, measuring and managing of Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks are in place, transparent and implemented effectively. | 5 | |
| MG-4.1-003 | N/A | Evaluate the use of sentiment analysis to gauge user sentiment regarding GAI content performance and impact, and work in collaboration with AI Actors experienced in user research and experience. | Functional | Intersects With | Artificial Intelligence Test, Evaluation, Validation & Verification (AI TEVV) | AAT-10 | Mechanisms exist to implement Artificial Intelligence Test, Evaluation, Validation & Varification (AI TEVV) practices to enable Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related security, resilience and compliance-related conformity testing throughout the | 5 | |
| MG-4.1-004 | N/A | Implement active learning techniques to identify instances where the model fails or produces unexpected outputs. | Functional | No Relationship | N/A | N/A | lifecycle of the AAT. No applicable SCF control | N/A | |
| MG-4.1-005 | N/A | Share transparency reports with internal and external stakeholders that detail steps taken to update the GAI system to enhance transparency and accountability. | Functional | Intersects With | AI TEVV Transparency & Accountability Assessment | AAT-10.6 | Mechanisms exist to examine risks associated with transparency and accountability of Artificial Intelligence (AI) and Autonomous Technologies (AAT) to be deployed. | 5 | |
| MG-4.1-006 | N/A | Track dataset modifications for provenance by monitoring data deletions, rectification requests, and other changes that may impact the verifiability of content origins. | Functional | Intersects With | Data Source Identification | AAT-12.1 | Mechanisms exist to identify and document data sources utilized in the training and/or operation of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MG-4.1-006 | N/A | Track dataset modifications for provenance by monitoring data deletions, rectification requests, and other changes that may impact the verifiability of content origins. | Functional | Intersects With | Data Source Integrity | AAT-12.2 | Mechanisms exist to protect the integrity of source data to prevent accidental contamination or malicious corruption (e.g., data poisoning) that could compromise the performance of Artificial Intelligence and Autonomous Technologies (AAT). | 5 | |
| MG-4.1-007 | N/A | Verify that AI Actors responsible for monitoring reported issues can effectively evaluate GAI system performance including the application of content provenance data tracking techniques, and promptly escalate issues for response. | Functional | Intersects With | AI TEVV Post-Deployment Monitoring | AAT-10.13 | Mechanisms exist to proactively and continuously monitor deployed Artificial Intelligence (AI) and Autonomous Technologies (AAT). | 5 | |
| MANAGE 4.2 | N/A | Measurable activities for continual improvements are integrated into AI system updates and include regular engagement with interested parties, including relevant AI Actors. | Functional | Intersects With | Al & Autonomous Technologies Continuous Improvements | AAT-07.3 | Mechanisms exist to continuously improve Artificial Intelligence (AI) and Autonomous Technologies (AAT) capabilities to maximize benefits and minimize negative impacts associated with AAT. | 5 | |
| MG-4.2-001 | N/A | Conduct regular monitoring of GAI systems and publish reports detailing the performance, feedback received, and improvements made. | Functional | Intersects With | Al & Autonomous Technologies Continuous Improvements | AAT-07.3 | Mechanisms exist to continuously improve Artificial Intelligence (AI) and Autonomous Technologies (AAT) capabilities to maximize benefits and minimize negative impacts associated with AAT. | 5 | |
| MG-4.2-002 | N/A | Practice and follow incident response plans for addressing the generation of inappropriate or harmful content and adapt processes based on findings to prevent future occurrences. Conduct post-mortem analyses of incidents with relevant Al Actors, to understand the root causes and implement preventive measures. | Functional | Intersects With | Incident Response Plan (IRP) | IRO-04 | Mechanisms exist to maintain and make available a current and viable incident Response Plan (IRP) to all stakeholders. | 5 | |
| MG-4.2-002 | N/A | preventive measures. Practice and follow incident response plans for addressing the generation of inappropriate or harmful content and adapt processes based on findings to prevent future occurrences. Conduct post-moters manalyses of incidents with relevant Al Actors, to understand the root causes and implement preventive measures. | Functional | Intersects With | Root Cause Analysis (RCA) & Lessons Learned | IRO-13 | Mechanisms exist to incorporate lessons learned from analyzing and resolving cybersecurity & data privacy incidents to reduce the likelihood or impact of future incidents. | 5 | |
| MG-4.2-003 | N/A | Use visualizations or other methods to represent GAI model behavior to ease non-technical stakeholders understanding of GAI system functionality. | Functional | No Relationship | N/A | N/A | No applicable SCF control | N/A | |
| MANAGE 4.3 | N/A | 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. | Functional | Intersects With | AI & Autonomous Technologies Incident & Error Reporting | AAT-11.4 | Mechanisms exist to communicate Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related incidents and/or errors to relevant stakeholders, including affected communities. | 8 | |

| FDE # | FDE Name | Focal Document Element (FDE) Description | STRM Rationale | STRM Relationship | SCF Control | SCF # | Secure Controls Framework (SCF) Control Description | Strength of Relationship (optional) | Notes (optional) |
|------------|----------|--|-------------------|----------------------|---|--------|---|---|------------------|
| MG-4.3-001 | N/A | Conduct after-action assessments for GAI system incidents to verify incident response and recovery processes are followed and effective, including to follow procedures for communicating incidents to relevant AI Actors and where applicable, relevant legal and regulatory bodies. | Functional | Intersects With | Incident Stakeholder Reporting | IRO-10 | Mechanisms exist to timely-report incidents to applicable: (1) Internal stakeholders; (2) Affected clients & third-parties; and (3) Regulatory authorities. | 5 | |
| MG-4.3-001 | N/A | Conduct after-action assessments for GAI system incidents to verify incident response and recovery processes are followed and effective, including to follow procedures for communicating incidents to relevant AI Actors and where applicable, relevant legal and regulatory bodies. | Functional | Intersects With | Root Cause Analysis (RCA) & Lessons Learned | IBO-13 | Mechanisms exist to incorporate lessons learned from analyzing and resolving cybersecurity & data privacy incidents to reduce the likelihood or impact of future incidents. | 5 | |
| MG-4.3-002 | N/A | Establish and maintain policies and procedures to record and track GAI system reported errors, near-misses, and negative impacts. | Functional | Intersects With | AI & Autonomous Technologies Harm Prevention | AAT-17 | Mechanisms exist to proactively prevent harm by regularly identifying and tracking existing, unanticipated and emergent Artificial Intelligence (AI) and Autonomous Technologies (AAT)-related risks. | 5 | |
| MG-4.3-003 | N/A | Report GAI incidents in compliance with legal and regulatory requirements (e.g., HIPAA breach reporting, e.g., OCR (2023) or NHTSA (2022) autonomous vehicle crash reporting requirements. | Functional | Intersects With | Statutory, Regulatory & Contractual Compliance | | Mechanisms exist to facilitate the identification and implementation of relevant statutory, regulatory and contractual controls. | 5 | |
| MG-4.3-003 | N/A | Report GAI incidents in compliance with legal and regulatory requirements (e.g., HIPAA breach reporting, e.g., OCR (2023) or NHTSA (2022) autonomous vehicle crash reporting requirements. | Functional | Intersects With | Cyber Incident Reporting for Sensitive / Regulated Data | | Mechanisms exist to report sensitive/regulated data incidents in a timely manner. | 5 | |