Activity Report (Summary)

Japan AI Safety Institute
Business Demonstration Working Group
Conformity Assessment Sub-Working Group

April 23, 2026

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Overview of the Conformity Assessment SWG

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- The SWG aims to establish appropriate and comprehensive conformity assessment (AI conformity assessment) in the field of AI.
- The SWG examines and develops comprehensive conformity assessment methods from both sector-specific and horizontal perspectives by collaborating with other SWGs.

Current Status and Issues

- Traditional conformity assessment might not keep up with rapidly evolving AI technologies.
- ISO/IEC 42007, currently under development, provides a high-level framework for conformity assessment of AI systems.

⇒ Flexible, appropriate, and feasible assessment methods and operational procedures need to be developed.

Approach to Establishing Conformity Assessment Methods

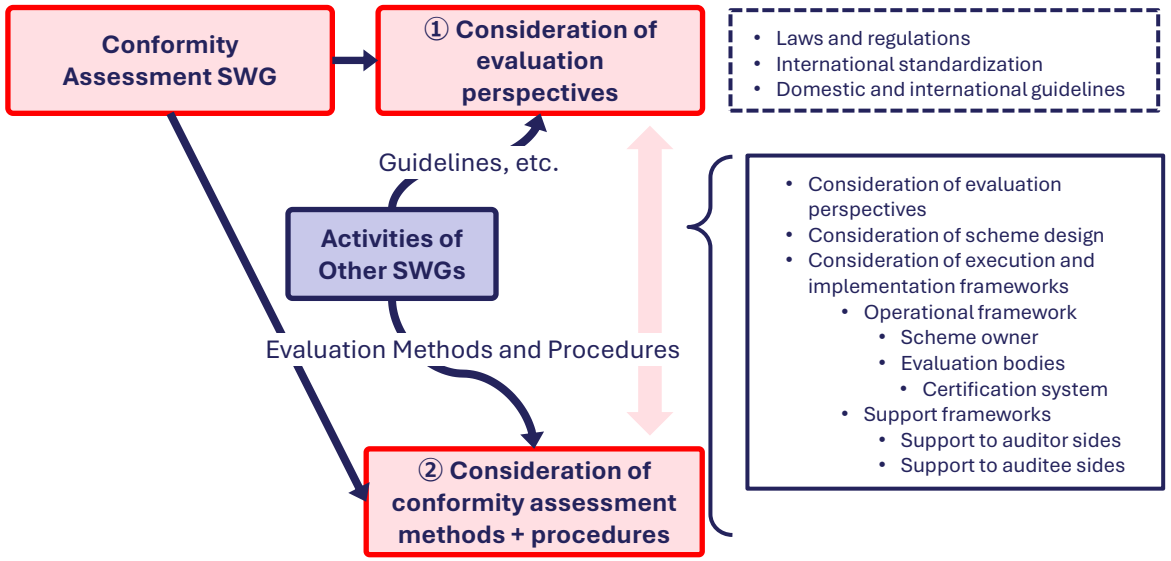
➢ Identification of requirements for AI conformity assessment, taking into account the initiatives of sector-specific SWGs

<Specific Steps>

Interviews and Identification of Issues → Scheme Design → Tools and framework development → Alignment with International Standards

➢ Examination and development of a multi-layered and comprehensive evaluation method

Policy for establishing conformity assessment methods



SWG Roadmap

Short-Term Initiatives (FY 2025)	Mid-Term Initiatives (FY 2026–2027)	Long-Term Initiatives (Future Vision)
● Conduct research on the needs and the current status of organizations undergoing conformity assessment ,in collaboration with sector-specific SWGs. ● Form an SWG of organizations engaged in conformity assessment to analyze existing conformity assessment methods.	● Examine conformity assessment approaches for ensuring comprehensive assurance and accountability, taking into account discussions in international standardization activities. ● To develop conformity assessment methods for AI and conduct a feasibility study to verify their effectiveness.	● Establishing a multi-layered, comprehensive AI conformity assessment system that could be internationally interoperable and mutually recognizable.

Summary of FY2025 Activities

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- Based on the activities of SWG member organizations, reviewed current conformity assessment initiatives.
- Focusing on domestic activities, examined the status of AI initiatives and compared them with those of major countries.
- Reviewed initiatives related to AI standardization and conformity assessment.
- Examined the appropriate approach to AI conformity assessment, using Human Machine Teaming (HMT) as a case study.

Review of the Current Conformity Assessment

Review of AI-Related Initiatives in Japan

Members

Japan Accreditation Board(JAB)	National Institute of Technology and Evaluation(NITE)
ISMS Accreditation Center(ISMS-AC)	Japan Quality Assurance Organization(JQA)
Japanese Standards Association(JSA)	National Institute of Advanced Industrial Science and Technology(AIST)

Discussion of a holistic approach to AI conformity assessment using Human Machine Teaming (HMT) as a case study

Conformity Assessment SWG Members' Activities

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- Member organizations engage in a variety of activities, including accreditation bodies and conformity assessment bodies as well as standardization activities related to AI.

Members	Relationship to the SWG	Initiatives related to the SWG
JAB	Participation as a major accreditation body for management system, product, and personnel certification bodies in Japan	• Accreditation of management system and product assessment bodies (e.g. ISO 9001 (QMS) and EDSA certification)
ISMS-AC	Participation as an accreditation body for management system certification (especially ISMS and AIMS)	• AIMS accreditation for two certification bodies (January 2026)
JSA	Participation as one of the largest standard development bodies in Japan for conformity assessment (e.g. ISO/CASCO, etc.)	• Management of ISO/CASCO and other national deliberative bodies
NITE	Participation as an accreditation body in Japan, especially for product evaluations (also develops conformity assessment standards for product evaluations)	• Accreditation of Testing Laboratories under the JC-STAR scheme • Leading the domestic accreditation system as the secretariat of the Japan Accreditation Council
JQA	Participation as one of the largest conformity assessment organizations in Japan for service robots, drones, cyber security, etc.	• Leading the international standardization activities in ISO/CASCO (JNB Chairman) • AIMS certification audit services
AIST	Participation as one of the largest research institutes in Japan leading the development of international standards in the field of AI	• Leading the National Committee of ISO/IEC JTC 1/SC 42 (JNB HoD(Head of Delegate) • Driving the discussion on HMT

Issues in AI Conformity Assessment

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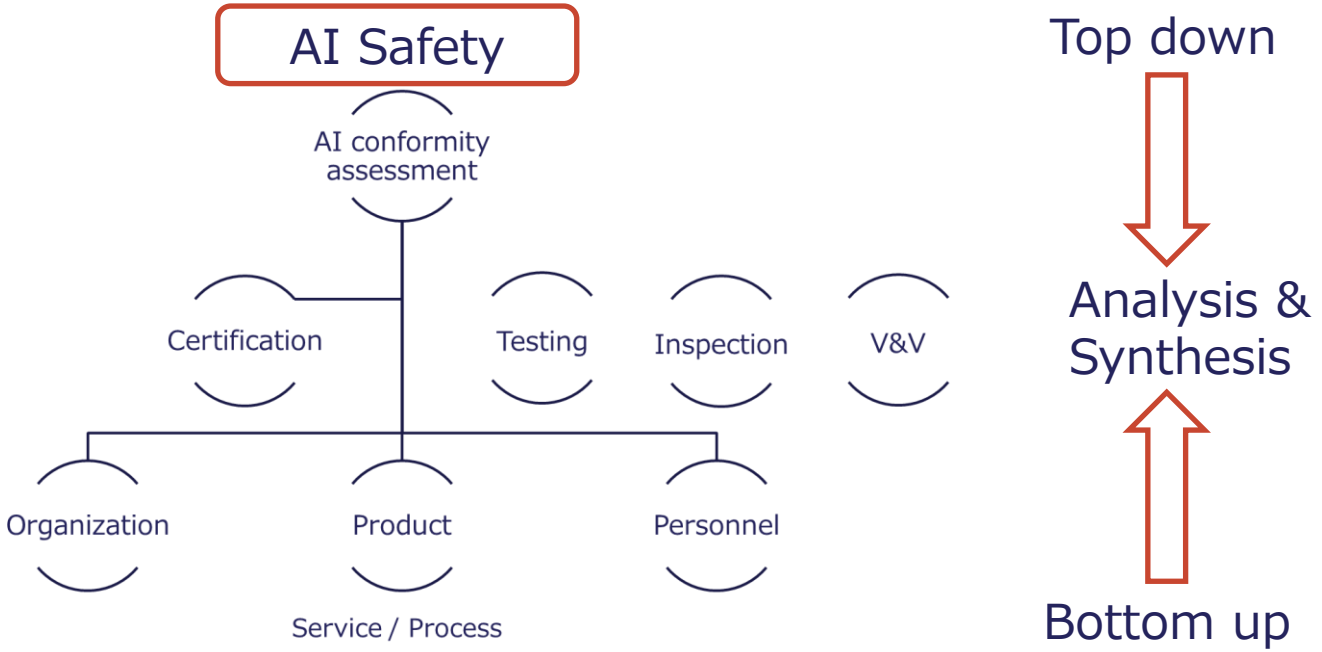
- AI conformity assessment requires the establishment of evaluation methods for a diverse range of assessment targets.
- It is necessary to consider the overall approach to AI conformity assessment, methodologies for comprehensively addressing diverse assessment targets and methods, and ways of collaborating with relevant organizations for implementation.
- Based on the communication between the conformity assessment bodies (CABs) and AI service providers (auditee sides), it is necessary to consider aspects such as compliance with domestic laws and guidelines, as well as international harmonization (interoperability and mutual recognition).
- In FY2025, the SWG examined AI conformity assessment as part of AI safety evaluation, using HMT as a case study.



Key Issues in HMT

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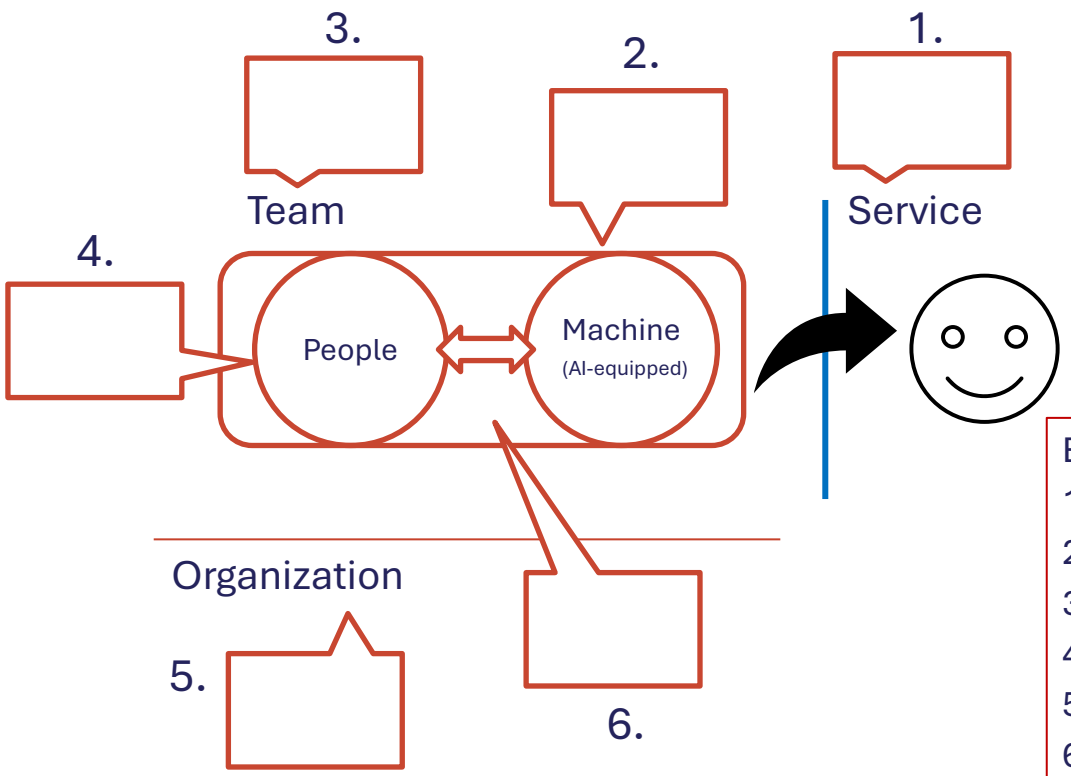
- HMT involves humans and AI working together to achieve a common goal (providing a service).
- When considering AI conformity assessment for HMT, there are various evaluation targets, including AI, humans, the collaborative relationship between AI and humans, and the supporting organization.
- In FY2025, discussions were held after organizing the evaluation targets for HMT into six targets.
- For each evaluation target, we identified the key evaluation perspectives and challenges.

Evaluation targets under consideration in HMT



Evaluation Targets
1. Service
2. Machine
3. Team
4. People
5. Organization
6. Interaction

Why Choose HMT as a Case Study?
- There are multiple evaluation targets
- Evaluation methods also differ
- When evaluating service, how should conformity assessment be conducted?

Need to combine multiple conformity assessments
⇒ This leads to a more comprehensive approach to AI conformity assessment

Summary of Opinions raised in the Conformity Assessment SWG

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- Throughout the discussion, many members raised the importance of ensuring the safety and reliability of output provided to end users.
- Therefore, in an evaluation based on HMT, the safety evaluation of “1. Service” can be assumed to be conducted by evaluating other targets (“2. Machine” to “6. Interaction”).
- On the other hand, some members expressed the opinion that evaluation of all six targets is not necessary. Specifically, there were opinions that precise evaluations for “3. Team” and “6. Interaction” are not necessary because the evaluation perspectives for these targets are similar to those emphasized in “5. Organization.” Therefore, a possible approach is to include the evaluation of “3. Team” and “6. Interaction” within the evaluation of “5. Organization.”
- Furthermore, some participants suggested that the current ISO/IEC 42001 already encompasses “3. Team”, “4. People”, “5. Organization”, and “6. Interaction” as a whole. Therefore, it will be important to coordinate with certification capable of evaluating “2. Machine” in the future. Additionally, regarding “4. People”, there were opinions that other conformity assessment methods could be considered.
- Summarizing the current opinions, a possible approach to evaluate AI safety based on HMT is to **formulate a scheme that integrates the assessment of “5. Organization“, including the “3. Team” and “6. Interaction”, as defined in ISO/IEC 42001, the assessment of “2. Machine”, and the assessment of “4. People”**.

Activity Plan for FY2026

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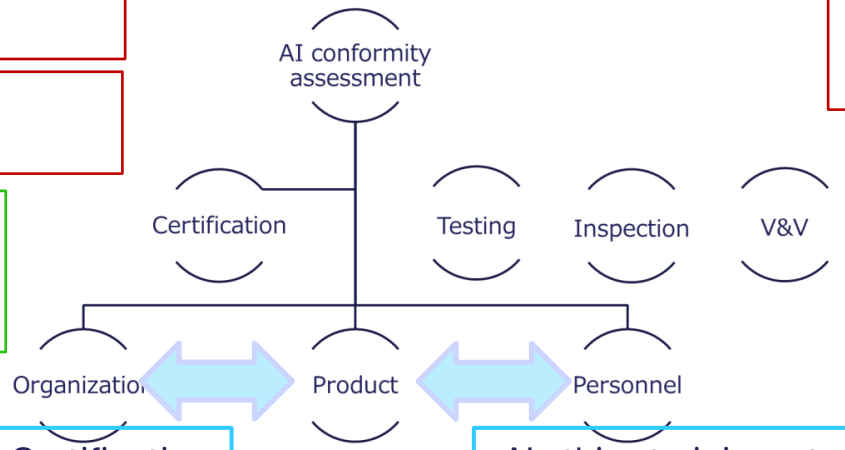
- Continuous communication between auditor sides and auditee sides is essential for building feasible and appropriate AI conformity assessment methodologies. In FY2026, Conformity Assessment SWG plans to expand the SWG beyond the members of FY2025 to include CABs and auditee sides.
  - Auditor sides; development of AI conformity assessment methodologies that enable continuous evaluation throughout the AI service lifecycle.
  - Auditee sides; voluntary activities related to AI safety, e.g. Submitting HAIP reports, complying with OECD guidelines, are also important.
- In FY2026, we will consider an appropriate system design based on feedback from both auditor sides and auditee sides.

Future Issues: build a comprehensive and holistic AI conformity assessment framework by combining various conformity assessment schemes as modular components

Based on compliance with regulations in various countries
Regulatory or Voluntary

Compliance with various guidelines
AISI Guidelines, etc.

Operation of the conformity assessment system
(system updates, updates to assessment targets, etc.)



42001 Certification

AI ethics training, etc.

Voluntary Activities by AI Developers and Providers
HAIP Report
OECD Guidelines
Model cards, etc.

SBoM for AI

Continuous Evaluation
Communication Between Auditors and Auditees

Comprehensive and phased evaluations
Silver, Gold, Platinum, Diamond
Mutual Recognition and Interoperability

Top-down

Analysis & Synthesis

Bottom-up

Future Goal of AI Conformity Assessment

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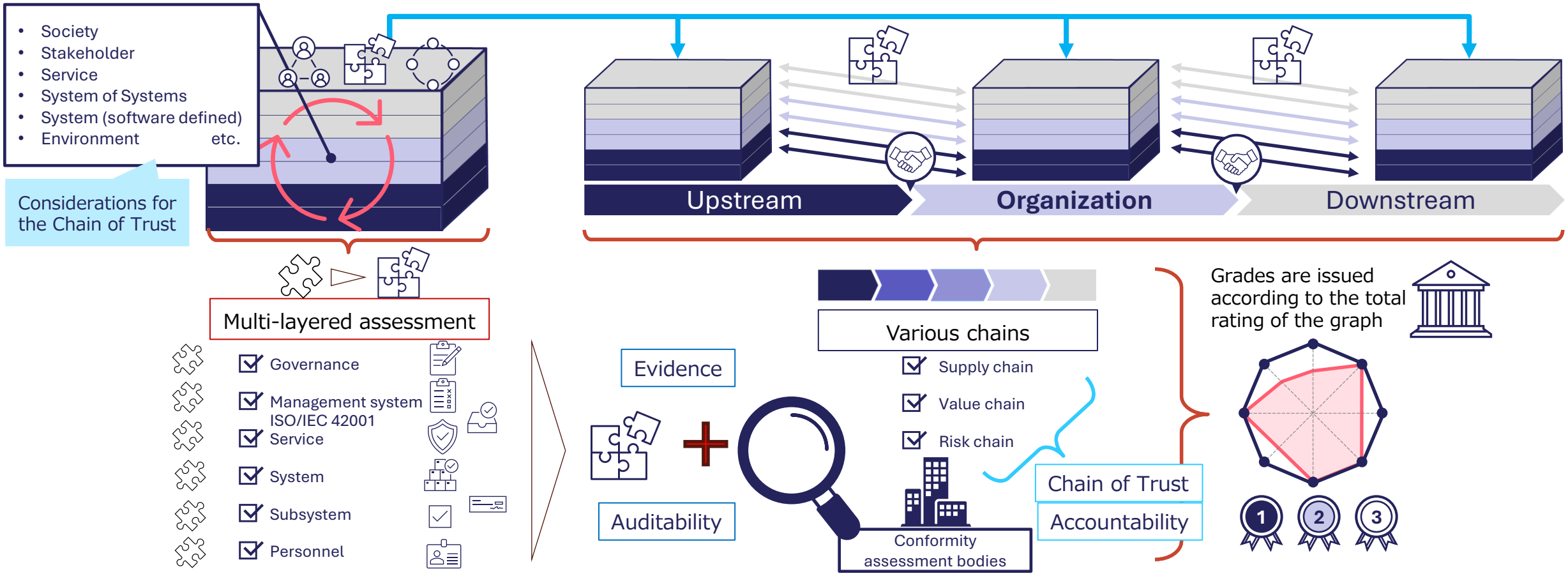
- The goal is to establish a framework that enables comprehensive evaluations that consider not only assessments within an organization but also those across organizations (such as “Chain of Trust” encompassing supply chains, value chains and risk chains)
  - Comprehensively evaluate multi-layered assessments within an organization, including inter-organizational relationships
  - Propose an appropriate and feasible AI conformity assessment system that includes interoperability and mutual recognition



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