

APEC AI Standards Conference: Building a Sustainable AI Ecosystem Tomorrow

Project Summary Report

APEC Sub-Committee on Standards and Conformance

October 2026



**Asia-Pacific
Economic Cooperation**



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Sub-Committee on Standards and Conformance (SCSC)

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Executive Summary

The APEC project “AI Standards Conference: Building a Sustainable AI Ecosystem Tomorrow” brought together policymakers, industry leaders, and technical experts from across the region to strengthen cooperation on AI standardization and support the development of trustworthy and interoperable AI systems.

Held on 2–3 August 2025 in Songdo, Incheon, the conference focused on translating international AI standards—particularly those developed under ISO/IEC JTC 1/SC 42—into practical tools for industry and government. Discussions emphasized the need for aligned governance frameworks, enhanced conformity assessment capacity, and sector-specific application of standards to support safe, reliable, and sustainable AI adoption across APEC economies.

A pre-event survey of nine economies revealed strong recognition of AI standardization as a priority, with most respondents in the early stages of implementation. Key interests included AI data quality, ethics and accountability, and reliability evaluation. Respondents expressed high demand for practical guidance, cross-economy collaboration, and the development of certification toolkits to support SMEs and developing economies.

During the two-day program, participants engaged in policy dialogue, industry case sharing, and hands-on training on ISO/IEC 42001, AI risk management, trustworthiness evaluation, and sustainability considerations. The conference highlighted that bridging the gap between policy and practical implementation requires coordinated regional efforts, institutional capacity building, and accessible conformity assessment frameworks.

The post-event evaluation confirmed the conference’s strong impact, with over 80% of participants expressing high satisfaction and reporting significant improvement in their understanding of AI standards and their application. Participants also emphasized the need for follow-up workshops, pilot projects, and shared resources to sustain momentum and support harmonized adoption of AI standards across the region.

The project concludes that AI standardization is a strategic foundation for building a trustworthy, human-centered, and sustainable digital ecosystem. To advance this work, APEC economies are encouraged to deepen cooperation, expand capacity-building initiatives, and promote alignment with international standards to support interoperability, innovation, and mutual confidence in AI technologies across the Asia-Pacific region.

Introduction

Project Overview

Artificial Intelligence (AI) is rapidly reshaping industries across the APEC region, driving innovation and productivity in nearly every sector. However, the absence of interoperable standards and the fragmentation of regulatory frameworks continue to create challenges—particularly for small and medium-sized enterprises (SMEs) seeking to adopt AI technologies across borders.

To address these issues, the APEC AI Standards Conference: *“Building a Sustainable AI Ecosystem Tomorrow”** (SCSC_07_2025S) was organized to enhance regional cooperation on AI standardization, promote alignment among regulatory frameworks, and strengthen industry-led dialogue to improve interoperability and trust in AI systems.

The conference took place on 2–3 August 2025, at Songdo Convensia in Incheon, Republic of Korea, in a hybrid format that brought together policymakers, industry leaders, technical experts, and academics from across APEC economies.

Through this event, the project aimed to bridge the gap between policy and practice, support the adoption of international AI standards, and contribute to cross-border trade, regulatory coherence, and sustainable AI-driven innovation throughout the region.

Scope and Relevance of the Project

This project supports the work of the APEC Sub-Committee on Standards and Conformance (SCSC) by advancing AI standardization, conformity assessment, and regional capacity building for trustworthy AI. It contributes to strengthening technical reliability and interoperability across APEC economies through the adoption and implementation of international AI standards.

Targeted training programs, knowledge exchange, and practical workshops were designed to enhance institutional and technical capabilities—especially in developing economies—thereby supporting inclusive participation in digital transformation and the global standardization process. The project also aligns with APEC’s broader goals for sustainable digital development, transparency, and inclusive innovation, promoting effective collaboration among member economies.

Discussions during the event centered on ISO/IEC JTC 1/SC 42 international AI standards, including ISO/IEC 42001 (AI Management System), AI trustworthiness and conformity assessment frameworks, and strategies for implementing and localizing these standards within APEC economies.

Target Beneficiaries and Stakeholders

The project was designed to benefit a diverse range of stakeholders across the APEC region, including:

- **Government officials and policymakers** involved in technology, industry, and digital innovation;

- **Domestic standards and certification bodies** involved in developing and implementing AI-related standards;
- **Private sector leaders and SMEs** applying AI technologies in manufacturing, services, and emerging industries;
- **Researchers and technical experts** working in AI standardization, conformity assessment, and digital innovation.

Particular emphasis was placed on supporting developing economies by strengthening institutional readiness and technical capacity for adopting and implementing international AI standards. The project also encouraged gender-balanced participation, ensuring meaningful involvement of female experts in both standardization and policy discussions.

Ultimately, the conference helped establish a cooperative and inclusive AI standardization ecosystem—one that enables all APEC economies to participate effectively in shaping and implementing trustworthy and sustainable AI systems across the region.

Objectives

Project Objective

The overall objective of the APEC AI Standards Conference, “Building a Sustainable AI Ecosystem Tomorrow,” was to strengthen regional cooperation among APEC economies, with a focus on advancing AI standardization, conformity assessment, and regulatory alignment.

By fostering capacity building, policy dialogue, and practical training, the project sought to enhance interoperability, transparency, and trustworthiness in AI technologies. These efforts aim to promote a sustainable and inclusive digital economy across the Asia-Pacific region.

Specifically, the project aimed to:

- Promote alignment of AI-related standards and conformity assessment frameworks with international norms such as ISO/IEC JTC 1/SC 42 standards;
- Facilitate knowledge sharing and policy dialogue among APEC economies on AI governance, risk management, and ethical implementation;
- Build institutional and technical capacity, particularly in developing economies, to support the safe and effective deployment of AI systems; and
- Strengthen cross-economy cooperation to accelerate the adoption of trustworthy and reliable AI technologies.

Through these actions, the project contributed to realizing APEC’s vision for a transparent, innovative, and human-centered digital future.

Workshop Objective

The two-day APEC AI Standards Conference served as a practical platform linking AI standardization efforts with real-world industry applications, bridging policy and technical domains across APEC economies.

The workshop aimed to:

- Provide a forum for policymakers, regulators, and industry experts to exchange best practices and experiences on AI standards implementation and governance;
- Enhance awareness of international AI standards, including ISO/IEC 42001, and explore strategies for regional adaptation and application;
- Discuss conformity assessment frameworks and institutional arrangements needed to ensure AI quality, safety, and reliability;
- Encourage collaborative capacity-building approaches among APEC economies to promote inclusive participation in AI standardization; and
- Serve as a pilot model for future APEC initiatives in digital innovation, standardization, and trustworthy AI development.

Overall, the workshop established a foundation for sustainable cooperation, helping APEC economies transform AI standards from conceptual frameworks into actionable practices that strengthen trust and competitiveness across the region.

Preliminary Survey: Awareness and Readiness for AI Standardization in the APEC Region

Objectives of the Survey

The primary objective of the pre-event survey was to collect insights from policymakers, industry leaders, researchers, and technical experts across APEC economies ahead of the APEC AI Standards Conference, “Building a Sustainable AI Ecosystem Tomorrow.”

The survey aimed to assess current levels of participation and readiness in AI standardization, identify priority topics, and ensure that the conference agenda reflected the actual needs and contexts of member economies.

Specifically, the survey sought to:

- Understand the extent of engagement in AI standard-related activities—including policy development, standards implementation, technology development, and conformity assessment;
- Identify priority areas and challenges related to international AI standards across APEC economies;
- Capture expectations for conference sessions and training workshops;
- Explore opportunities for future cooperation such as joint workshops, pilot projects, and the development of implementation guidelines or certification toolkits.

The responses provided valuable input for structuring the conference program, selecting speakers, and refining key discussion themes so that the event aligned closely with regional needs.

Survey Design and Scope

The pre-event survey consisted of 11 questions organized into four thematic sections, each addressing a specific element of AI standardization and cooperation.

It was distributed electronically to all 21 APEC member economies, and responses were collected from government bodies, industry, academia, and standardization or conformity assessment experts.

The four thematic areas were:

1. Engagement in AI Standardization Activities

- o Questions explored whether respondents’ organizations were involved in policy development, standards implementation, technology application, or certification and conformity assessment related to AI.

2. Areas of Interest and Implementation Status

- o Participants identified specific AI standardization domains of interest such as ethics, risk management, data governance, interoperability, and AI management systems (e.g., ISO/IEC 42001).
- o The section also examined the current stage of AI standard adoption within their organizations (e.g., under review, partially adopted, fully integrated, or certified).

3. Expectations for the Conference

- o This section gathered insights on what participants hoped to gain from the conference, including a better understanding of the role of AI standards in policy and industry, practical implementation strategies, and opportunities for cross-economy collaboration.
- o Respondents also indicated preferred sessions and themes, such as policy presentations, industry best practices, or technical workshops.

4. Future Cooperation and Recommendations

- o Respondents were encouraged to express their interest in future cooperation, including joint research, pilot projects, and capacity-building programs, and to provide open feedback on how APEC could further promote AI standardization and mutual learning across the region.

To ensure accessibility and encourage comprehensive participation, the survey combined multiple-choice, multiple-response, and open-ended questions. This approach enabled the collection of both quantitative data and qualitative insights, which informed the planning of conference sessions and agenda design, ensuring that each discussion reflected the real challenges and cooperation needs of APEC member economies.

Methodology

The pre-event survey was conducted **online from 17 June to 21 July 2025**, targeting all **21 APEC member economies**.

A total of **18 respondents** from **nine economies** participated in the survey, representing policymakers, industry professionals, researchers, and experts from standardization and conformity assessment bodies.

Participating economies and number of respondents were as follows:

- Australia (2)
- Canada (2)
- Chile (1)
- Japan (1)
- Malaysia (3)
- Republic of Korea (3)
- Singapore (2)
- Chinese Taipei (2)
- Thailand (2)

The data collected through the survey was analyzed to inform the conference agenda design, session planning, and speaker selection, ensuring that the program reflected the real-world needs and policy contexts of APEC member economies.

Furthermore, the results served as a foundational reference for understanding the current status and gaps in AI standardization across the region, and for identifying future opportunities for joint research, training, and capacity-building initiatives under the APEC framework.

Results

A total of 18 responses were collected from stakeholders across APEC member economies.

The survey aimed to identify the current level of engagement, key areas of interest, expected outcomes from the conference, and future cooperation intentions related to AI standardization.

1. Engagement and Implementation Status

When asked about the level and type of their organization's engagement in AI standardization, the responses were distributed as follows: Standards Implementation/Compliance (32.4%), Policy Development (26.5%), and Certification/Conformity Assessment based on standards (20.6%).

These results indicate that most organizations are primarily involved in technical implementation and policy formulation, while some are also engaged in standard-based certification and conformity assessment, reflecting increasing institutional interest in practical applications of AI standards.

Regarding the current level of AI standards implementation, "Under initial review (52.9%)" was the most common response, followed by "Partially adopted (29.4%)". This indicates that most organizations are still in the early or partial adoption stages, with full integration and certification remaining limited. It highlights the need for continued institutional and technical support to promote wider and deeper implementation of AI standards across the region.

2. Priority Areas in International AI Standardization

Responses to the question on which aspects of AI systems are of greatest interest in terms of international standardization were evenly distributed across multiple areas. The top three were AI Data Quality and Governance (21.7%), AI Ethics and Accountability (20.3%), and Performance and Reliability Evaluation of AI Systems (18.8%).

These findings indicate strong stakeholder interest in ensuring AI trustworthiness, data governance, and ethical accountability, as well as growing attention to management system standards such as ISO/IEC 42001 that can provide an integrated governance framework.

3. Expectations and Preferred Sessions for the Conference

When asked what they hoped to gain from the conference, respondents most frequently selected "Exploring opportunities for standards-based collaboration or joint projects within APEC" (28.2%), followed by "Understanding the role of AI standards in policy and industry implementation" (23.1%), "Practical strategies for applying AI standards to organizations or products" (23.1%), and "Comparative insights into how AI policies are implemented across industries in different APEC member economies" (23.1%).

These responses reveal participants' strong interest in fostering cross-economy cooperation. They also emphasize the importance of practical application of AI standards in both policy and industry settings.

Regarding preferred sessions, respondents expressed the highest interest in Special Lectures by International AI Standardization Experts (23.9%), AI Policy Strategy Presentations from APEC Economies (28.3%), and Case Studies on AI Standards Implementation in Industry (28.3%). This demonstrates a balanced demand for both strategic policy dialogue and hands-on industry case discussions, emphasizing the need for a program structure that bridges theory and practice.

4. Future Activities and Collaboration Interests

As for future engagement, respondents expressed the strongest interest in Joint Workshops/Forums (32.4%) and Development of Certification Toolkits (29.4%). This reflects the recognition that collaborative pilot projects and capacity-building initiatives are essential to strengthen regional capabilities and promote AI trustworthiness through shared standard-based approaches.

5. Participation Modality

Regarding preferences for online broadcasting of conference sessions, respondents indicated a preference for recordings (56.2%) rather than live participation (43.8%). Based on these responses, the conference was organized in a hybrid format, combining both in-person and online participation to ensure wider accessibility across economies.

Recommendations

Respondents emphasized the need to expand cross-economy collaboration in AI standardization and establish practical frameworks for implementing AI standards in industry and policy.

Key recommendations derived from the survey are as follows:

- Enhancing Regional Collaboration – Institutionalize regular joint workshops and pilot projects among APEC economies to share best practices and strengthen mutual capacity for AI standard application.
- Developing Certification Frameworks and Toolkits – Build practical toolkits and guidelines based on key standards such as ISO/IEC 42001, enabling organizations, including SMEs, to apply AI standards effectively and participate in conformity assessment.
- Advancing Data Quality and Ethics Standards – Promote harmonization between international standards and domestic regulatory frameworks to establish sustainable governance for AI data quality, ethics, and accountability.
- Capacity Building and Awareness Programs – Expand education, certification training, and expert exchange programs to raise awareness of the value of AI standardization and its contribution to trustworthy AI ecosystems.

These recommendations reflect a strong consensus among stakeholders on the importance of regulatory clarity, international alignment, and practical implementation of AI standards.

They underscore the urgency of building a collaborative APEC-wide ecosystem that integrates policy, industry, and technology to accelerate the deployment of safe, reliable, and sustainable AI across the region.

Analysis

1. APEC Economies Demonstrate Strong Interest and Positive Perception of AI Standardization

Most respondents indicated that their organizations are actively engaged in technology development, policy formulation, and standards implementation, with several also involved in certification and conformity assessment activities.

This demonstrates that APEC economies already possess a high level of awareness and a positive perception of AI standardization, recognizing its value in both policy and industrial contexts.

However, with 52.9% of respondents indicating that AI standards adoption is still “under initial review” and 29.4% reporting “partial adoption”, it is evident that institutional integration and certification systems remain in the early stages.

These findings suggest that while APEC economies acknowledge the importance of AI standardization, further capacity building, technical support, and policy incentives will be necessary to accelerate practical implementation.

2. Focus on Data Quality, Ethics, and Trustworthiness as Core Areas of Interest

Respondents showed the highest interest in AI Data Quality and Governance (21.7%), AI Ethics and Accountability (20.3%), and Performance and Reliability Evaluation of AI Systems (18.8%).

This pattern highlights a regional emphasis on trustworthy AI, where reliability, data integrity, and ethical accountability are viewed as central pillars of sustainable AI development.

The strong attention to these areas also reflects growing recognition of AI management system standards such as ISO/IEC 42001, which provide an integrated governance framework.

In summary, APEC economies are prioritizing technical performance, ethical responsibility, risk management, and transparency as essential elements in their AI standardization agendas.

3. Strong Demand for Standards-Based Collaboration and Practical Implementation Strategies

When asked about expectations for the conference, the top response was “Exploring opportunities for standards-based collaboration or joint projects within APEC” (28.2%). This indicates that stakeholders are seeking to move beyond discussion toward practical cooperation mechanisms that apply standards as tools for collaboration and innovation.

Other highly rated objectives included understanding the role of AI standards in policy and industry implementation (23.1%), practical strategies for applying AI standards to organizations or products (23.1%), and comparative insights into how AI policies are implemented across different economies (23.1%).

These results reflect a clear interest in enhancing interoperability, harmonization, and cross-economy learning to strengthen AI governance and competitiveness across the APEC region.

4. Preferred Collaboration Formats

Respondents showed the highest preference for Special Lectures by International AI Standardization Experts (23.9%), AI Policy Strategy Presentations from APEC Economies (28.3%), and Industry Case Studies on AI Standards Implementation (28.3%).

This distribution suggests that participants value a balanced program that combines high-level policy dialogue with real-world industrial case studies.

It also highlights the effectiveness of a tri-sector collaboration model—linking policymakers, standardization experts, and industry practitioners—as a key approach for strengthening APEC’s AI standardization capacity and ensuring practical outcomes.

5. Growing Need for Certification Toolkits and Capacity-Building Workshops

Future engagement preferences were led by Joint Workshops/Forums (32.4%) and Development of Certification Toolkits (29.4%).

This indicates a strong demand for hands-on, implementation-oriented capacity building, where participants can gain tangible tools and methodologies for applying AI standards in practice.

The findings suggest that APEC should develop accessible models for SMEs and emerging economies, promoting pilot projects and demonstration programs to help reduce disparities in standardization capabilities across the region.

6. Preference for Hybrid Participation Reflects Emphasis on Accessibility and Inclusion

Over half of respondents (56.2%) preferred access to recorded sessions, while 43.8% indicated interest in live-stream participation.

In response, the conference was organized in a hybrid format, combining physical and online participation.

This reflects APEC’s broader commitment to digital inclusion and inclusive governance, enabling broader stakeholder engagement regardless of geographic or resource constraints.

7. Policy Implications

The survey results reveal that APEC economies widely recognize the importance of AI standardization and view trustworthiness, data quality, and ethical accountability as the core values guiding policy and industry development.

At the same time, since standard implementation remains at an early stage, the following strategic directions are suggested for APEC-level cooperation:

- **Expand Standards-Based Collaboration:** Institutionalize joint workshops, pilot projects, and demonstration initiatives to accelerate practical adoption of AI standards across member economies.

- **Establish Certification and Assessment Frameworks:** Develop toolkits and guidelines based on key standards such as ISO/IEC 42001 to promote industry-centered conformity assessment and best practices.
- **Bridge Capability Gaps:** Provide education and practical guidance for SMEs and developing economies to ensure equitable access to AI standardization resources.
- **Foster a Sustainable Collaborative Ecosystem:** Continue leveraging hybrid participation formats to facilitate ongoing knowledge sharing and continuous engagement among diverse stakeholders

This analysis demonstrates that AI standardization within the APEC region is evolving from a technical discussion into a strategic driver of industrial competitiveness and policy coordination.

By reinforcing standards-based collaboration networks and certification ecosystems, APEC economies can collectively advance a trustworthy and inclusive AI framework. This framework will support innovation, reliability, and sustainable growth across the Asia-Pacific region.

Conclusion

The survey results highlight a highly engaged and knowledgeable respondent base across APEC economies, demonstrating strong recognition of AI standardization as a foundation for trustworthy and sustainable innovation.

While awareness and participation are high, most organizations remain in the early or partial stages of implementation, underscoring the need for continued capacity building, certification infrastructure, and institutional support.

There is clear momentum toward greater regional cooperation, particularly through joint projects, pilot programs, and the development of certification toolkits that make AI standards more practical and accessible.

To fully realize the potential of AI across the Asia-Pacific, APEC economies must now translate shared awareness into coordinated action—bridging policy, technology, and standardization efforts to create a cohesive and reliable AI ecosystem for the region.

Conference Summary

The APEC SCSC project “APEC AI Standards Conference: Building a Sustainable AI Ecosystem Tomorrow” was held to strengthen cooperation and mutual development among APEC member economies in building a trustworthy and interoperable artificial intelligence (AI) ecosystem.

The conference provided a practical platform for policy dialogue, industrial application sharing, and capacity-building training, promoting AI trustworthiness, interoperability, and sustainability across the APEC region.

Government officials, industry leaders, academia, and standardization experts participated in in-depth discussions focusing on international standard harmonization, sectoral implementation, and the challenges of AI adoption, exploring pathways for enhanced APEC-wide collaboration on AI standardization.

Day 1: Connecting AI Standards and Industry through Practical Collaboration

Theme: “Aligning Innovation and Practice: Putting AI Standards to Work across APEC Economies”

Day 1 focused on bridging policy and industry, exploring how international AI standards can be practically applied across sectors to strengthen cross-economy collaboration. Participants shared domestic experiences and strategies, emphasizing the importance of international cooperation for implementing trustworthy AI in real-world industrial contexts.

Session 1: International AI Standardization

This session featured presentations from ISO and ISO/IEC JTC 1/SC 42, introducing ongoing international standardization efforts aimed at establishing trust, transparency, and security in AI systems.

Speakers discussed strategies to strengthen the linkage between policy, standards, and industry, highlighting SC 42’s pivotal role as the international committee developing frameworks for AI trustworthiness and transparency.

It was emphasized that industries can leverage standards to improve market access and regulatory readiness, while governments can use them to enhance international credibility and technological leadership.

Session 2: Industry Best Practices for Business Leaders

This session presented case studies from various sectors—including manufacturing, data services, and digital industries—demonstrating how AI standards are applied in practice to ensure reliability, safety, and sustainable innovation.

Presentations addressed the rise of generative AI, its cross-sector applications, and the growing need for standardization to address ethical, trust, and legal challenges.

Examples included AI-based smart manufacturing, ISO-based industrial AI solutions, and enterprise-level applications for improving efficiency, safety, and quality management.

Participants agreed that while AI adoption is accelerating, standard-based approaches are crucial to managing issues of trustworthiness, interoperability, and regulatory compliance.

Session 3: Group Workshop – Enhancing AI Standards in Business

Under the theme “What AI Standards Do Businesses Need, and What Are the Obstacles to Utilizing Existing AI Standards?”, participants engaged in active discussions on both enablers and barriers to AI standard adoption in practice.

The discussion highlighted the importance of foundational standards such as AI terminology (ISO/IEC 22989), data quality (ISO/IEC 5259), and risk management (ISO/IEC 23894), while also stressing the need for domain-specific standards covering ethics, safety, and sustainability.

Key challenges identified included financial and technical limitations (especially for SMEs), a lack of testing and verification mechanisms, limited understanding of standards, and the difficulty of keeping pace with technological advancement.

Participants underscored the importance of ongoing dialogue between industry and policymakers to bridge the gap between policy formulation and real-world implementation, reinforcing the foundation for AI standard cooperation across APEC.

Summary of Day 1:

Day 1 moved from international standardization strategies (Session 1) to industry case studies (Session 2) and concluded with interactive discussion and feedback (Session 3).

This structure effectively demonstrated the interconnection between policy, industry, and standards, while identifying key practical challenges in AI adoption and standard implementation across the APEC region.

Day 2: A Practical Workshop for Implementing AI Standards

Theme: “Putting Standards to Work: Practical AI Training for Implementation”

Day 2 focused on practical implementation and capacity building, offering hands-on training for participants to apply international AI standards in real organizational and industrial settings.

Sessions covered topics including AI trustworthiness, conformity assessment, quality management, and sustainability.

Session 1: Foundations of AI Conformity and Standards for SMEs

Led by ISO/IEC JTC 1/SC 42 experts, this session discussed strategies for developing AI conformity assessment frameworks and enhancing trustworthiness tailored for small and medium-sized enterprises (SMEs).

Speakers presented the application of the ISO/IEC 17000 series and the emerging ISO/IEC 42007 framework for certifying AI systems, products, and processes.

They emphasized risk-based approaches, lifecycle management, and the integration of standards with regulatory frameworks to strengthen AI safety and transparency.

Session 2: ISO/IEC 42001 Training for Practical Implementation

This session provided a hands-on training workshop on applying ISO/IEC 42001 (AI Management System Standard) through a simulated industry scenario.

Participants performed issue analysis, risk assessment, and control design based on the PDCA (Plan–Do–Check–Act) cycle, gaining direct experience in implementing responsible and auditable AI operations.

The session enhanced participants' practical understanding of AI governance, risk management, and continuous improvement under ISO/IEC 42001.

Session 3: Advancing Safe and Sustainable AI Practices

The final session focused on ensuring AI safety, reliability, and sustainability.

Experts from Korea; Singapore, and international organizations shared insights on AI quality evaluation, trustworthiness assessment, and sustainable AI development.

Discussions referenced major international standards including ISO/IEC 25059 (AI Quality Model), ISO/IEC 25058 (Evaluation Guide), ISO/IEC 24368, 24028, and 42001, emphasizing responsible and environmentally conscious AI practices.

Speakers also presented practical examples—such as energy-efficient AI system management and sustainable operation models—linking business innovation to long-term environmental goals.

Summary of Day 2:

Day 2 progressed from foundational principles (Session 1) to hands-on implementation (Session 2), and finally to social and environmental expansion (Session 3).

The structure illustrated how AI trustworthiness evolves from compliance to application and sustainability, aligning with APEC's shared vision for a responsible, inclusive, and sustainable AI ecosystem.

Presentation Highlights

Speaker: Mr. Wael Diab, Chair, ISO/IEC JTC 1/SC 42

Mr. Wael Diab emphasized the global direction of AI standardization and the importance of supporting the linkage between policy and industry. He explained that since AI influences not only technology but also social, ethical, and governance dimensions, an "ecosystem approach" to standardization is essential.

He described SC 42 as the core international standardization platform that supports alignment between policy and industry, developing frameworks based on trustworthiness, transparency, and accountability. He also highlighted key standards such as ISO/IEC 23894 (AI Risk Management) and ISO/IEC 24028 (Trustworthiness), stressing that standards can enhance market access and international credibility for both industry and governments.

Speaker: Mr. Seoktae Ko, CEO, GENON

Mr. Ko presented multiple industry use cases of generative AI, demonstrating how GENON's GenOS platform is applied across sectors such as public services, energy, finance, and insurance.

He showcased real-world examples including AI-based chatbots for public institutions, AI bankers for financial services, insurance automation agents, and multimodal data analysis systems.

Mr. Ko emphasized how generative AI enhances efficiency, accuracy, and decision-making by integrating language models with internal enterprise data.

He also introduced AI assistants and low-code tools that allow business users to build customized AI services, highlighting the standardization potential for reliability and scalability.

Speaker: Ms. Kyusoon Hwang, Managing Director, WIZCORE

Ms. Hwang presented how industrial AI and digital transformation (DX) are reshaping manufacturing through real-world applications.

She introduced WIZCORE's AI-based smart factory solutions integrating data collection, monitoring, and maintenance automation, and demonstrated how AI supports predictive maintenance and energy optimization in production.

She emphasized that AI adoption enhances reliability, efficiency, and sustainability in manufacturing environments.

Speaker: Dr. Vinayak Prabhu, CEO, Senquire Pte Ltd

Dr. Prabhu introduced Singapore's domestic AI adoption journey and key lessons from Singapore's AI Strategy 2.0.

He highlighted six success factors: a strong AI ecosystem, targeted funding, public-private partnerships, trust and ethics, scalable infrastructure, and best practices for implementation.

He emphasized that AI adoption must be both human-centric and systematically governed, supported by frameworks like AI Verify and the AI Governance Framework.

His presentation also showcased cross-sector AI applications (finance, healthcare, engineering, government, and education), illustrating how standardized practices enhance reliability, scalability, and trust.

Speaker: Mr. Jounghan Lee, Senior Manager, Hyundai Steel

Mr. Lee presented Hyundai Steel's practical applications of AI and digital transformation in the steel industry, focusing on improving productivity, quality, and workplace efficiency.

He introduced the Hyundai-Steel Intelligence Platform (HIP), which uses AI and ontology-based big data systems to enhance knowledge sharing and support employees through intelligent document search and chatbots.

He also showcased AI-based virtual sensors, digital twin alarm systems, and OCR-based P&ID digitization that automate monitoring, maintenance, and process optimization.

His presentation highlighted how AI enhances reliability, safety, and efficiency in manufacturing through data-driven innovation.

Speaker: Mrs. Martina Paul, Co-Convenor, ISO/IEC JTC 1/SC 42/JWG 6

Mrs. Paul explained the global framework for conformity assessment (CA) of AI systems, emphasizing its alignment with WTO's TBT principles and the ISO/IEC 17000 series for ensuring transparency, credibility, and mutual recognition.

She presented the ongoing ISO/IEC 42007 development—a high-level framework guiding AI conformity assessment schemes—and discussed its connection with ISO/IEC 42001 (AI management systems) and 17067 (product certification).

Her talk outlined the SC 42 ecosystem, combining management system and product certification approaches, and explored key challenges such as defining the “object of assessment,” handling AI updates, and ensuring testability and trustworthiness.

Speaker: Dr. David Filip, Convenor, ISO/IEC JTC 1/SC 42/WG 3

Dr. Filip discussed how trustworthiness forms the foundation of AI conformity assessment (CA) for products and services.

He explained that meaningful CA requires verifiable and measurable characteristics, referencing key trustworthiness concepts defined in ISO/IEC TR 24028 and how specific characteristics such as robustness can be assessed under ISO/IEC TS 5723. He contrasted vague vs. precise regulatory approaches, arguing that only clear, verifiable requirements can create a “race to the top” in AI quality.

He also provided an overview of SC 42/WG 3's current standards portfolio, including key documents on risk management (ISO/IEC 23894), ethical and societal concerns (ISO/IEC TR 24368), and standards addressing bias and transparency.

Speaker: Mr. Olivier Blais, Chair, Canadian Delegation to ISO/IEC JTC1/SC42

Mr. Blais introduced ISO/IEC 42001, the newly published AI Management System Standard, explaining its role as a framework for managing AI design, development, deployment, and continuous improvement.

He highlighted why this standard is particularly valuable for small and medium enterprises (SMEs), which represent over 95% of businesses worldwide but often face challenges in adopting AI effectively.

His presentation outlined five key principles — governance, risk management, responsible AI, lifecycle management, and continuous improvement — and demonstrated the Plan–Do–Check–Act (PDCA) cycle as a practical roadmap for implementation.

He also offered step-by-step guidance for SMEs, including establishing AI policies, forming dedicated AI teams, conducting internal audits, and improving systems through feedback and retraining.

Speaker: Ms. Claire McFarland, Senior Manager, Standards Australia

Ms. McFarland conducted a hands-on training session on the practical implementation of ISO/IEC 42001 (AI Management System Standard).

She explained the Plan–Do–Check–Act (PDCA) framework that underpins management system standards and guided participants through exercises identifying internal/external AI-related risks and risk assessment processes.

Her workshop used engaging scenario-based learning, including examples such as a regulator and SME managing AI for food safety and manufacturing, to demonstrate responsible AI governance in real contexts.

Speaker: Mr. Sunho Ahn, AI Team Manager, Korea Testing Laboratory (KTL)

Mr. Ahn presented strategies for enhancing AI system quality based on the ISO/IEC 25000 (SQuaRE) series and recent standards such as ISO/IEC 25059:2023 (AI system quality model) and ISO/IEC 25058:2024 (guidance for AI quality evaluation).

He explained that AI system quality evaluation requires measurable characteristics covering functionality, reliability, security, and transparency.

Mr. Ahn emphasized that applying standardized quality evaluation methods helps ensure trustworthy, safe, and sustainable AI performance.

Speaker: Ms. Kelly Forbes, President & Executive Director, AIAP

Ms. Forbes highlighted the importance of AI safety as a foundation for public trust in everyday applications across education, healthcare, finance, and public services. She compared traditional AI and generative AI, emphasizing the need for transparency, fairness, robustness, and human oversight in newer AI systems.

Her presentation outlined key regional actions — including building regulatory frameworks, improving data governance, enhancing digital literacy, and promoting interoperability — to strengthen AI safety in APEC economies.

She concluded by introducing the AI Technical Assistance Facility, designed to help member economies implement safety and governance frameworks in practice.

Speaker: Dr. Martin Saerbeck, CTO, AIQURIS

Dr. Saerbeck discussed how AI sustainability should be addressed through a balance of environmental, social, and economic dimensions, referencing frameworks such as ISO/IEC TR 24368 (ethical and societal concerns) and ISO/IEC 24028 (trustworthiness).

He examined the environmental impact of AI, including data center energy use, carbon emissions, and “dark data,” and emphasized the importance of energy-efficient design, lifecycle management, and data minimization.

He also highlighted global initiatives such as the Climate Neutral Data Centre Pact and called for regulatory and standard-based measures to reduce AI’s environmental footprint.

Summary of Group Discussion

Participants engaged in active group discussions to identify priority areas for AI standardization and the main challenges in adoption, particularly for small and medium-sized enterprises (SMEs).

1. Priority Areas in AI Standardization

Groups emphasized that foundational and governance-related standards are critical to building trustworthy AI ecosystems.

Frequently mentioned standards included:

- ISO/IEC 22989 – AI Terminology
- ISO/IEC 42001 – AI Management Systems
- ISO/IEC 23894, 42005, and 5259 series – addressing risk management, impact assessment, and data quality

Participants noted that terminology, governance, data quality, cybersecurity, safety, and ethical guidelines form the backbone of AI trustworthiness. Some suggested developing sector-specific standards (e.g., education, healthcare) and integrating environmental sustainability considerations into AI standards.

2. Obstacles to AI Standards Adoption

Across all groups, common barriers included:

- High implementation and certification costs and limited organizational capacity, particularly for SMEs
- Lack of testing and verification standards, making compliance difficult to prove
- Organizational and cultural barriers, including misconceptions about AI and resistance to change
- Risk of premature standardization, which could lock in suboptimal technologies or constrain innovation

Participants also noted a persistent trade-off between consensus-building and speed in the standard development process, as achieving broad agreement can slow progress while technology evolves rapidly.

3. Governance vs. Management

One discussion focused on clarifying the distinction between governance and management in the context of AI systems:

- Governance defines the strategic direction, accountability, and oversight,
- while management focuses on day-to-day implementation and continuous improvement.

This differentiation was seen as essential for effective adoption of standards such as ISO/IEC 42001.

4. Inclusiveness and Participation

Participants emphasized that broad stakeholder participation in standardization is vital but remains a challenge.

Smaller organizations and underrepresented economies often lack the resources or expertise to engage effectively in standard-setting.

Suggestions included establishing capacity-building initiatives and collaborative platforms within APEC to ensure more inclusive and balanced participation.

Conclusion

The discussion revealed strong consensus that AI standards must balance clarity, inclusiveness, and practicality.

Stakeholders agreed that advancing standardization requires global alignment, targeted support for SMEs, and enhanced participation mechanisms to foster a trustworthy and sustainable AI ecosystem across the APEC region.

Recommendations

Building on the insights and expert discussions presented during the APEC AI Standards Conference: Building a Sustainable AI Ecosystem Tomorrow, this section outlines key policy recommendations to guide APEC member economies in strengthening regional cooperation, promoting alignment with international standards, and advancing trustworthy and sustainable AI development across the region.

These recommendations reflect the shared priorities identified throughout the conference, including policy–industry collaboration, standard-based implementation, and the need for inclusive capacity building to ensure that AI standardization efforts lead to tangible, real-world impact.

1. Strengthen Regional Collaboration and Policy–Industry Linkages

APEC economies should institutionalize regular collaboration among policymakers, standards bodies, and industry to accelerate the translation of AI standards into practical applications.

Establishing dedicated working groups, annual forums, or pilot programs under the APEC SCSC framework can help coordinate joint initiatives, share implementation experiences, and address cross-border challenges in AI reliability, safety, and governance.

2. Promote Alignment with International AI Standards and Conformity Assessment Frameworks

Member economies are encouraged to align domestic standards and certification systems with key international standards such as ISO/IEC 42001 (AI Management Systems), ISO/IEC 23894 (AI Risk Management), ISO/IEC 25059 (AI Quality Model), and ISO/IEC 24028 (Trustworthiness).

Harmonization with these standards—developed under ISO/IEC JTC 1/SC 42—will strengthen interoperability, reduce technical barriers to trade, and foster mutual confidence in AI products and services across economies.

3. Develop and Pilot AI Conformity Assessment Schemes

To ensure the credibility and consistency of AI systems, economies should establish conformity assessment (CA) schemes aligned with the ISO/IEC 17000 series and the forthcoming ISO/IEC 42007 framework.

Joint APEC pilot projects can test these frameworks in real industrial and regulatory contexts, helping define practical criteria for evaluation, verification, and certification of AI trustworthiness.

Developing shared guidance on “objects of assessment” and reporting templates will further support mutual recognition and regulatory coherence.

4. Build Institutional and Technical Capacity through Targeted Training

Capacity building remains essential to bridge gaps in AI standard implementation, particularly for developing economies and SMEs.

APEC should expand training programs on ISO/IEC 42001 and related standards, including modules on AI governance, risk assessment, and continuous improvement. Hands-on workshops, e-learning courses, and expert exchanges can enhance understanding of conformity assessment processes and enable more economies to participate in AI standardization effectively.

5. Establish an APEC AI Standards Knowledge Platform

A regional knowledge-sharing platform should be created to serve as a repository for AI standards-related materials, case studies, toolkits, and implementation guides.

This platform can also host online forums and discussion spaces for policymakers, researchers, and industry practitioners, enabling real-time collaboration and the dissemination of best practices on AI trustworthiness, ethics, and sustainability.

6. Launch Cross-Economy Pilot Projects on AI Standards Implementation

Member economies are encouraged to initiate joint demonstration projects applying AI standards to real-world use cases—such as manufacturing, smart cities, data governance, and sustainability.

These pilots can test conformity assessment procedures, evaluate standard applicability, and generate replicable models that support the scaling of trustworthy AI practices throughout the APEC region.

7. Promote Inclusiveness, Gender Balance, and Multi-Stakeholder Participation

To ensure that AI standardization benefits all, APEC should promote broad participation by SMEs, academia, and underrepresented economies, while continuing to encourage gender-balanced expert engagement.

Maintaining hybrid participation formats (in-person and virtual) will expand accessibility and foster an inclusive environment for collaboration and mutual learning across diverse member economies.

8. Foster Sustainable and Trustworthy AI through Ethical and Environmental Governance

APEC economies should integrate ethical, societal, and environmental dimensions into AI governance frameworks, referencing standards such as ISO/IEC TR 24368 and ISO/IEC 24028.

Encouraging energy-efficient, transparent, and human-centric AI practices will help ensure that innovation contributes to both economic growth and long-term sustainability goals.

Conclusion

By advancing these recommendations, APEC member economies can strengthen cooperation on AI standardization and conformity assessment, enhance trust and transparency in AI systems, and promote sustainable, inclusive innovation.

As emphasized throughout the conference, AI standardization is not only a technical framework but a strategic foundation for building a reliable, human-centered, and future-ready digital economy across the Asia-Pacific region.

Participation Feedback Survey and Evaluation

A total of 51 responses were collected from participants across APEC member economies. Among respondents, female 53.8% and male 46.2% were represented. Regarding professional background, Policy Makers 68% accounted for the largest group, followed by Researchers/Academia 24%, indicating that the conference successfully attracted key figures involved in both policymaking and AI standardization research.

Section 1: Overall Satisfaction and Content Evaluation

Overall Satisfaction

When asked to rate overall satisfaction with the conference, 52.9% of participants responded very satisfied, 29.4% satisfied, 11.8% neutral, and only 5.9% very dissatisfied.

This result shows that more than 80% of participants were satisfied, confirming that the conference met expectations and delivered meaningful and relevant discussions.

Relevance of Daily Themes

To the question, “Based on the day you attended, how well did the daily theme match the actual sessions and content?”, 47.1% responded very well, 43.1% mostly, and 9.8% moderately.

No respondents selected slightly or not at all, showing that the thematic structure was well-aligned with the session content and objectives.

Section 2: Learning and Session Reflections

Most Useful Sessions (Day 1)

On Day 1, Session 1: International AI Standardization received the highest rating at 45.3%, followed by Session 2: Industry Best Practices for Business Leaders 28.0% and Session 3: Group Workshop – Enhancing AI Standards in Business 26.7%.

This suggests that participants valued opportunities to learn about international coordination efforts and practical applications of AI standards across industries.

Most Useful Sessions (Day 2)

On Day 2, evaluations were evenly distributed, showing consistent engagement across all sessions.

Session 1: Foundations of AI Conformity and Standards for SMEs received 35.2%, Session 2: ISO/IEC 42001 Training for Practical Implementation 33.3%, and Session 3: Advancing Safe and Sustainable AI Practices 31.5%.

Participants appreciated the balance between conceptual understanding, implementation training, and sustainability perspectives.

Improvement in Understanding of AI International Standardization Strategies

When asked how much their understanding improved, 45.1% responded considerably, 25.5% significantly, and 23.5% moderately, with no respondents choosing not at all.

The result demonstrates that the conference effectively enhanced knowledge of international AI standardization frameworks among participants.

Usefulness of Industry Use Case Presentations

38% rated the use case presentations high, 36% very high, 20% moderate, and 6% basic.

These responses highlight that real-world examples helped participants connect theoretical standards with practical implementation across sectors.

Knowledge or Skills in AI Standards after the Conference

After the event, 41.2% assessed their knowledge as moderate, 29.4% high, and 25.5% very high.

This indicates that most participants gained a clearer and more confident understanding of AI standards and their practical application.

Section 3: Future Application and APEC Collaboration

Application of Learnings

Participants showed strong intent to apply the conference outcomes within their organizations.

84% planned to share insights with colleagues through internal meetings or reports, while 56% intended to contribute to policy or strategy development.

Additionally, 24% expected to apply AI standards to ongoing projects or organize training and capacity-building sessions.

This shows that the conference is likely to have a multiplier effect, strengthening institutional capabilities across APEC economies.

Perceived Contribution to APEC Collaboration

When asked if the conference would contribute positively to AI standards-related cooperation, 51% answered positively, 31.4% very positively, and 17.6% moderately.

No negative responses were recorded, reflecting a strong consensus that the event enhanced regional collaboration and mutual understanding.

Recommended Follow-up Actions

Participants suggested several key follow-up measures:

Follow-up workshops/training (64.7%)

Sharing platforms for case studies and tools (58.8%)

Domestic policy development support (31.4%)

Joint pilot or R&D projects (29.4%)

Development of an AI certification toolkit (27.5%)

These results underline participants' preference for continued, hands-on collaboration and knowledge exchange within APEC.

Section 4: Suggestions for Improvement

Participants provided constructive feedback to enhance future events.

Many suggested tailoring sessions to specific audiences such as policymakers, industry representatives, and standardization bodies.

Others recommended allocating more time for open or small-group discussions, sharing slides and materials in advance, and broadening participation to include more diverse economies.

Several also emphasized the importance of more real-world case studies and balanced content that includes both technical and conceptual perspectives.

Collecting participant questions before the event was also proposed to promote greater interactivity.

These comments show a shared desire for more participatory and inclusive engagement in future conferences.

Section 5: Additional Comments and Future Ideas

Open-ended comments were overwhelmingly positive.

Participants appreciated the organization and content of the event, describing it as “productive,” “informative,” and “well-structured.”

They also suggested practical next steps, such as offering capacity-building sessions for less developed economies, addressing social and ethical aspects of AI, and developing a regional use case platform or certification toolkit.

Several respondents emphasized the need for continued workshops and training on AI standardization topics, affirming that this conference was a valuable foundation for future collaboration.

Conclusion

The APEC SCSC Conference on “AI Standardization, Conformity Assessment, and System-Building,” held under the theme Building a Sustainable AI Ecosystem Tomorrow, underscored the pivotal role of standardization and international cooperation in shaping a trustworthy, inclusive, and future-ready digital economy. Through two days of expert presentations, hands-on workshops, and cross-economy dialogue, the conference provided a comprehensive platform to bridge the gap between policy and practice, strengthen regional capacity, and promote harmonized approaches to AI governance and conformity assessment across APEC economies.

A pre-event survey confirmed strong awareness and growing participation in AI standardization, though most economies remain in the early stages of implementation. The findings highlighted the need for continued capacity building, technical assistance, and collaborative pilot projects to ensure that international standards can be effectively localized and applied.

The post-event survey further validated the conference’s success, revealing high satisfaction among participants and demonstrating tangible improvement in understanding of AI standards, conformity assessment, and their practical use in industrial and policy contexts.

Key Takeaways

- AI standardization is increasingly recognized as a foundation for trust, interoperability, and innovation across the APEC region. Economies emphasized that effective standard implementation will be crucial for ensuring both competitiveness and public confidence in AI technologies.
- Capacity building and knowledge sharing are vital for inclusive participation. Participants stressed the importance of providing practical training, certification toolkits, and targeted support for SMEs and developing economies to reduce disparities in AI readiness.
- Regional cooperation and mutual recognition in conformity assessment are essential. Joint pilot projects and coordinated frameworks under APEC can accelerate the translation of standards into practice and foster trust in AI systems across borders.
- Sustainability and ethics must be integrated into AI governance. Discussions emphasized that trustworthy AI is not only about technical compliance but also about transparency, fairness, environmental responsibility, and human-centered design.
- Broader stakeholder engagement and inclusiveness enhance effectiveness. Gender-balanced participation, representation of underdeveloped economies, and collaboration among policymakers, industry, and academia ensure that standardization efforts reflect diverse perspectives and shared priorities.

It is clear that a collaborative, stepwise, and capacity-driven approach will be essential to realizing the vision of a sustainable AI ecosystem in the Asia-Pacific region. APEC economies are encouraged to:

Recommendations for APEC Economies

- Strengthen participation in international standardization activities under ISO/IEC JTC 1/SC 42;
- Promote cross-economy pilot projects and mutual recognition in AI conformity assessment;
- Develop certification toolkits and e-learning platforms to support practical implementation; and
- Facilitate continuous policy dialogue and experience sharing through structured APEC cooperation mechanisms.

By fostering a coherent, interoperable, and inclusive AI governance framework, APEC can play a pivotal role in ensuring that AI innovation advances human well-being, economic resilience, and sustainable growth across the region.

As demonstrated throughout the conference, AI standardization is not merely a technical pursuit—it is a strategic foundation for building trust, transparency, and sustainability in the digital age.

APPENDIX A (Conference Agenda)

APEC AI Standards Conference: “Building a Sustainable AI Ecosystem Tomorrow”(SCSC_07_2025S)

2 August 2025, 10:00 am – 17:00 pm
 #104-106, Songdo Convensia,
 123 Central-ro, Yeonsu-gu, Incheon, Republic of Korea

Time	Session	Content	Speaker
09:30-10:00 ('30)	Registration and Arrival		
10:00-10:05 ('5)	Opening Ceremony		Kyunghee Kim (Researcher, KTL)
10:05-10:10 ('5)	Welcome Remarks		Jinseok Bae (Director, KATS)
10:10-10:25 ('15)	Session1: International AI Standardization	International Standards – Building Trust, Transparency and Security for AI	Silvio Dulinsky (Deputy Secretary-General, ISO)
10:25-10:55('30)		International Standardization Strategies Bridging Policy and Industry	Wael William Diab (Chair, ISO/IEC JTC1 SC42)
10:55-11:10('15)	Session Break		
11:10-11:40('30)	Session 2: Industry Best Practices for Business Leaders	Industry Use Cases of Generative AI	Seoktae Ko (CEO, GENON)
11:40-12:10('30)		Redesigning Manufacturing with AI: From Standards to Executive	Kyusoon Hwang (Managing Director, WIZCORE)
12:10-12:20('10)		Q & A	-
12-20-13:40('80)	Photo Session and Lunch		
13:40-14:10('30)	Session 2: Industry Best Practices for Business Leaders	Learnings from Singapore's Adoption of AI and Best Practices	Vinayak Prabhu (CEO, Senquire)
14:10-14:40('30)		Application and Use Cases of Artificial Intelligence in the Steel Industry	Jounghan Lee (Senior Manager, Hyundai Steel)
14:40-14:50('10)		Q & A	-
14:50-15:10('20)	Session Break		
15:10-16:40('90)	Session 3: Group Workshop - Enhancing AI Standards in Business	Group Discussion: What AI Standards Do Business Need, and What Are the Obstacles to Utilizing Existing AI standards?	All Participants (Moderator : Hildegunn Kyvik Nordås Professor, Örebro University)
16:40-17:00('20)	Wrap Up	Day 2 Training Session: Introduction and Closing	Kyunghee Kim (Researcher, KTL)

APEC AI Standards Conference: “Building a Sustainable AI Ecosystem Tomorrow”(SCSC_07_2025S)

3 August 2025, 10:00 am – 17:00 pm
 #104-106, Songdo Convensia,
 123 Central-ro, Yeonsu-gu, Incheon, Republic of Korea

Time	Session	Content	Speaker
09:30-10:00 ('30)	Registration and Arrival		
10:00-10:10 ('10)	Orientation	Training Goals & Session Overview	Jongwon Kwon (Director, KTL)
10:10-10:40 ('30)	Session 1: Foundations of AI Conformity and Standards for SMEs	Conformity Assessment of AI Systems	Martina Paul (Co-Convenor, ISO/IEC JTC1 SC 42/JWG6)
10:40-11:10 ('30)		Trustworthiness as the Base of Conformity Assessment Design for AI products and Services	David Filip (Convenor, ISO/IEC JTC1 SC 42/WG3)
11:10-11:40 ('30)		ISO/IEC 42001 for Small and Medium Enterprises (AI Management System)	Olivier Blais (Chair, Canadian Delegation to ISO/IEC JTC 1/SC 42)
11:40-13:00 ('80)	Lunch and Networking		
13:00-15:00('120)	Session 2: ISO/IEC 42001 Training for Practical Implementation	ISO/IEC 42001 Training for Practical Implementation	Claire McFarland (Senior Manager, Standards Australia)
15:00-15:15 ('15)	Session Break		
15:15-15:45 ('30)	Session 3: Advancing Safe and Sustainable AI Practices	Data Quality Enhancement Strategies for AI Developers	Sunho Ahn (AI Team Manager, KTL)
15:45-16:15('30)		AI safety in Practice : Building Trust in Everyday Applications	Kelly Forbes (President & Executive Director, AIAP1)
16:15-16:45 ('30)		AI Development: Our Choice for Sustainability	Martin Saerbeck (CTO, AIQURIS)
16:45-16:50('5)	Closing		Jongwon Kwon (Director, KTL)

APPENDIX B (Pre-Event Survey)

Pre-Event Survey:

APEC AI Standards Conference :

“Building a Sustainable AI Ecosystem Tomorrow”

This pre-event survey is designed to gather insights from participants ahead of the APEC AI Standards Conference. Its purpose is to better understand your organization's current involvement in AI standardization, identify key areas of interest, and tailor the event to meet the needs and expectations of policymakers, industry leaders, researchers, and other stakeholders across the APEC region. Your responses will provide valuable input for shaping the conference sessions and identifying opportunities for future collaboration. We greatly appreciate your contribution.

1. Participant Information

- **Name:**

- **Organization:**

- **Economy:**

- **Email:**

- **Job Type:** ☐ Policy Maker ☐ Industry Representative ☐ Testing/Certification Body

☐ Academia : ☐ Other

2. Does your organization currently engage in AI standard-related activities?

☐ Policy Development

☐ Standards Implementation/Compliance

☐ Technology Development

☐ Certification/Conformity Assessment (based on standards)

☐ None

☐ Other: _____

3. Which aspect of AI systems are you most interested in regarding international standardization? (You may select more than one.)

☐ AI ethics and accountability

☐ AI risk management

☐ Performance and reliability evaluation of AI systems

☐ AI data quality and governance

☐ AI interoperability and compatibility

☐ AI management systems (e.g., ISO/IEC 42001)

☐ Application of AI in each industrial sector

☐ Other: (Please specify the AI standardization aspect of your interest) _____

4. What is the current level of AI standards implementation in your organization?

☐ No plans for adoption

☐ Under initial review

- ☐ Partially adopted
- ☐ Fully integrated
- ☐ Certification/Assessment completed

5. What do you hope to gain from this conference?

- ☐ Understanding the role of AI standards in policy and industry implementation
- ☐ Practical strategies for applying AI standards to organizations or products
- ☐ Comparative insights into how AI policies are implemented across industries in different APEC member economies
- ☐ Exploring opportunities for standard-based collaboration or joint projects within APEC
- ☐ Other:

6. Which session(s) are you most interested in?

(You may select more than one option.)

- ☐ Special Lecture by international AI standardization experts
- ☐ AI policy strategy presentations from APEC economies
- ☐ Case studies on AI standards implementation in industry
- ☐ Hands-on workshop on applying AI standards
(Featuring ISO/IEC 42001, 23894 and other key components)
- ☐ Group discussion session: What's Needed for AI Standards to be Better Utilized in Business?

7. What type of future activities would your organization like to engage in regarding AI standards?

- ☐ Joint workshops/forums
- ☐ Technical demonstration/pilot projects
- ☐ Development of implementation guidelines
- ☐ Development of certification toolkits
- ☐ Other: _____

8. If some conference sessions are broadcast online in real-time, what is your organization's stance?

- ☐ We would like to participate via live stream
- ☐ We will not watch live but would like access to recordings
- ☐ We do not see a need for online broadcast

9. Would you or your organization like to present at this conference?

- ☐ Yes, we would like to present.
- Please select the preferred session:
 - ☐ Day 1 – Session 1: Domestic AI Policy Strategies - Domestic AI Policy Sharing
 - ☐ Day 1 – Session 2: Industry Best Practices for Business Leaders – Industrial AI Use Cases
 - ☐ Day 2 – Session 3: Advancing Safe and Sustainable AI Practices
 - ☐ AI Safety in Practice: Building Trust in Everyday Applications
 - ☐ AI Development: Our Choice for Sustainability

- Suggested Presentation Title:
- Presenter Name & Title:
- Presenter Organization:
- Presenter Email:
- Summary of Presentation Content:
- ☐ No, we do not wish to present.

10. If your organization is seeking any form of collaboration, please specify.
(e.g., joint research, expert exchange, translation support, etc.)

11. Open Feedback

Please share any additional opinions or suggestions on promoting AI standards within APEC.

APPENDIX C (APEC Project Evaluation Survey)

APEC Project Evaluation Survey:

- Project Name: APEC AI Standards Conference: Building a Sustainable AI Ecosystem Tomorrow
- Project Number: SCSC_07_2025S
- Date: August 2-3, 2025
- Location: Room 104–106, Incheon, Republic of Korea

Thank you for attending the APEC AI Standards Conference. This post-event survey aims to evaluate the conference's effectiveness, understand its impact on your work, and gather suggestions for future APEC activities related to AI standardization. Your feedback will help improve future events and promote stronger collaboration across APEC member economies.

We sincerely appreciate your input.

Section 1: Overall Satisfaction and Content Evaluation

Please indicate your level of agreement with the following statements.

(1 = Strongly Disagree, 5 = Strongly Agree)

Evaluation Item	1	2	3	4	5
The objectives of the conference were clearly defined.					
The agenda and topics were relevant to your work or interests.					
The content was well organized and easy to follow.					
The speakers and session facilitators (e.g., moderators and trainers) were knowledgeable and engaging.					
The group workshop provided meaningful insights.					
The time allotted for the sessions was sufficient.					
Gender issues were adequately addressed during implementation.					

1. Please rate your overall satisfaction with this conference

- ☐ Very Dissatisfied
☐ Dissatisfied
☐ Neutral
☐ Satisfied
☐ Very Satisfied

Explain(optional):

2. The APEC AI Standards Conference was structured around the following daily themes:

- *Day 1: Connecting AI Standards and Industry through Practical Collaboration*
- *Day 2: A Practical Workshop for Implementing AI Standards*

Based on the day you attended, how well did the daily theme match the actual sessions and content?

- ☐ Not at all
☐ Slightly
☐ Moderately
☐ Mostly
☐ Very Well

Explain(optional):

Section 2: Learning and Session Reflections

3. Which session(s) did you find most useful?

(You may select more than one. Please briefly explain why.)

Day 1

- ☐ Session 1: International AI Standardization
☐ Session 2: Industry Best Practices for Business Leaders
☐ Session 3: Group Workshop – Enhancing AI Standards in Business

Reason(optional):

Day 2

- ☐ Session 1: Foundations of AI Conformity and Standards for SMEs
☐ Session 2: ISO/IEC 42001 Training for Practical Implementation
☐ Session 3: Advancing Safe and Sustainable AI Practices

Reason(optional):

4. How much did your understanding of AI international standardization strategies improve?

- ☐ Not at all
☐ A little
☐ Moderately
☐ Considerably
☐ Significantly

5. How useful were the industry use case presentations in helping you understand the practical application of AI standards?

- ☐ Not at all
☐ Basic
☐ Moderate
☐ High
☐ Very High

6. How would you rate your level of knowledge or skills in AI standards *after* this conference?

- ☐ Not at all
- ☐ Basic
- ☐ Moderate
- ☐ High
- ☐ Very High

Section 3: Future Application and APEC Collaboration

7. How are you planning to share or apply the outcomes of this conference in your organization or economy?

(Please select all that apply.)

- ☐ Share insights with colleagues through internal meetings or reports
- ☐ Apply AI standards to current projects
- ☐ Organize training or capacity-building sessions
- ☐ Contribute to policy or strategy development in my organization or economy
- ☐ I don't plan to apply the outcomes
- ☐ Other (please specify): _____

8. Do you believe this conference will positively contribute to AI standards-related collaboration among APEC member economies?

- ☐ Not at all
- ☐ Slightly
- ☐ Moderately
- ☐ Positively
- ☐ Very Positively

9. What kind of follow-up action should APEC consider to further promote AI standardization?

- ☐ Follow-up workshops/training
- ☐ Domestic policy development support
- ☐ Joint pilot or R&D projects
- ☐ Sharing platforms for case studies and tools
- ☐ Development of AI certification toolkit
- ☐ Other: _____

Section 4: Feedback and Recommendations

10. How could this conference be improved?

Answer: _____

11. Any additional comments, feedback, or ideas for future initiatives?

Answer: _____

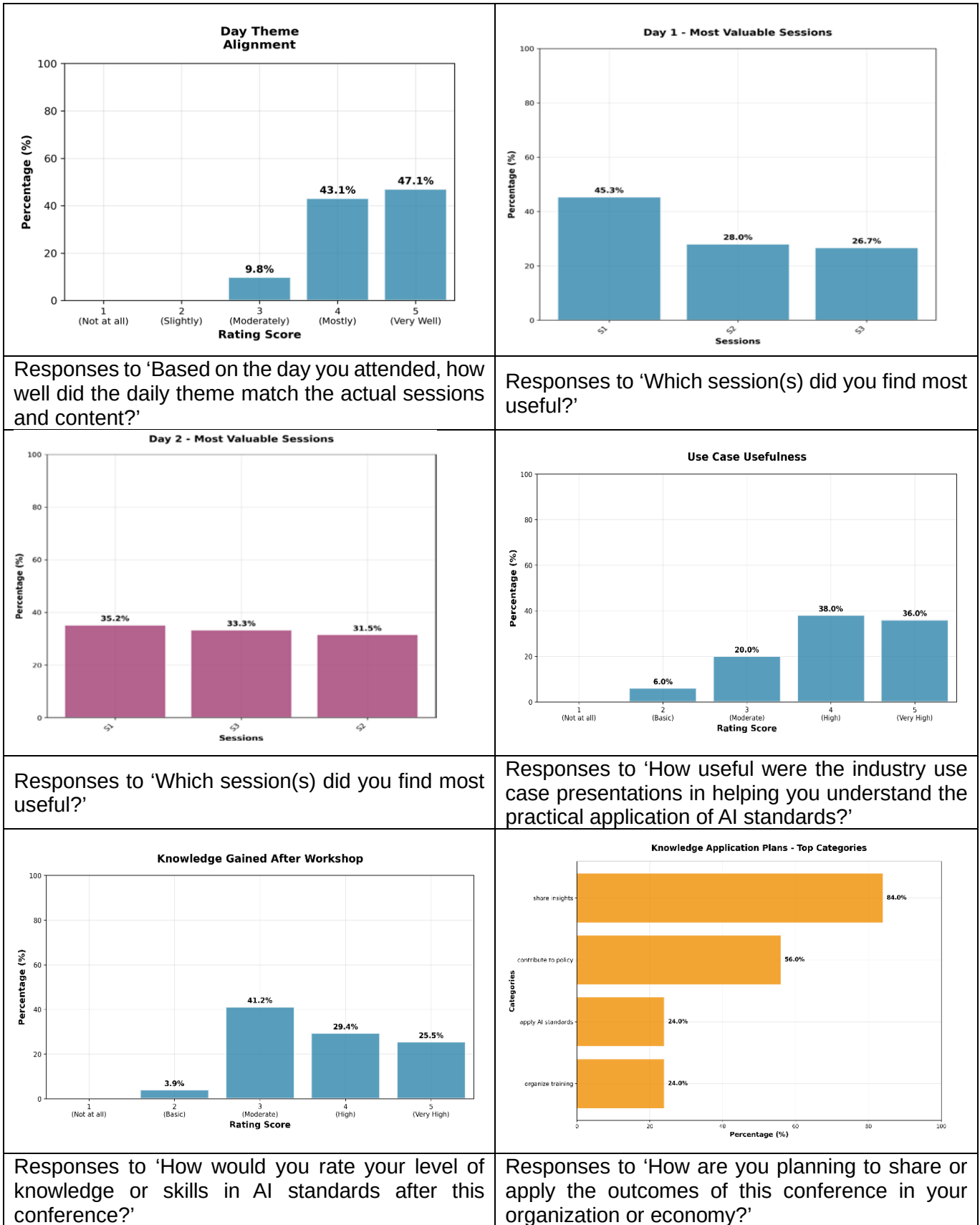
Section 5: Participant Information (Optional)

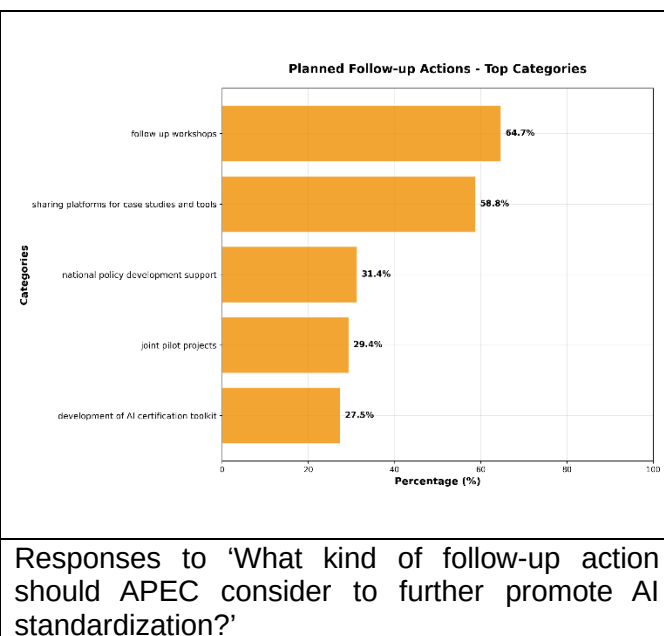
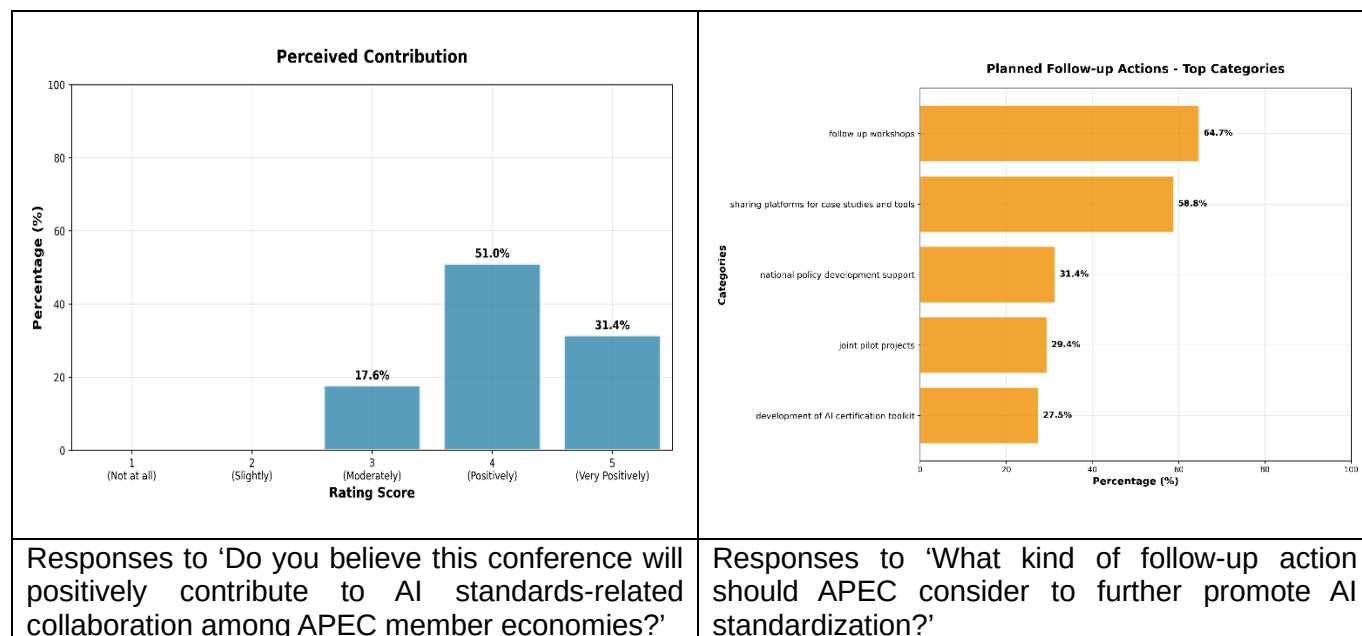
- Name:
- Organization:
- Economy:
- Email:
- Gender: ☐ Female ☐ Male ☐ Prefer not to say ☐ Other

■ Job Type: ☐ Policy Maker ☐ Industry ☐ Certification Body ☐ Research/Academia
☐ Other: _____

APPENDIX D (Project Evaluation Survey Results)

Workshop Objectives Clearly Defined <table border="1"> <thead> <tr> <th>Rating Score</th> <th>Percentage (%)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3.9%</td> </tr> <tr> <td>2</td> <td>0%</td> </tr> <tr> <td>3</td> <td>3.9%</td> </tr> <tr> <td>4</td> <td>19.6%</td> </tr> <tr> <td>5</td> <td>72.5%</td> </tr> </tbody> </table>	Rating Score	Percentage (%)	1	3.9%	2	0%	3	3.9%	4	19.6%	5	72.5%	Agenda Relevance to Expectations <table border="1"> <thead> <tr> <th>Rating Score</th> <th>Percentage (%)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2.0%</td> </tr> <tr> <td>2</td> <td>2.0%</td> </tr> <tr> <td>3</td> <td>9.8%</td> </tr> <tr> <td>4</td> <td>35.3%</td> </tr> <tr> <td>5</td> <td>51.0%</td> </tr> </tbody> </table>	Rating Score	Percentage (%)	1	2.0%	2	2.0%	3	9.8%	4	35.3%	5	51.0%
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Content Organization & Structure <table border="1"> <thead> <tr> <th>Rating Score</th> <th>Percentage (%)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2.0%</td> </tr> <tr> <td>2</td> <td>2.0%</td> </tr> <tr> <td>3</td> <td>5.9%</td> </tr> <tr> <td>4</td> <td>33.3%</td> </tr> <tr> <td>5</td> <td>56.9%</td> </tr> </tbody> </table>	Rating Score	Percentage (%)	1	2.0%	2	2.0%	3	5.9%	4	33.3%	5	56.9%	Speaker Knowledge & Expertise <table border="1"> <thead> <tr> <th>Rating Score</th> <th>Percentage (%)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3.9%</td> </tr> <tr> <td>2</td> <td>0%</td> </tr> <tr> <td>3</td> <td>3.9%</td> </tr> <tr> <td>4</td> <td>17.6%</td> </tr> <tr> <td>5</td> <td>74.5%</td> </tr> </tbody> </table>	Rating Score	Percentage (%)	1	3.9%	2	0%	3	3.9%	4	17.6%	5	74.5%
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APPENDIX E (Event Photos- Day 1)



Welcome Remarks



Session 1: International AI Standardization



Session 2: Industry Best Practices for Business Leaders



Session 2: Industry Best Practices for Business Leaders



Session 3: Group Workshop



Group Photo

APPENDIX E (Event Photos- Day 2)



Session 1: Foundations of AI Conformity and Standards for SMEs



Session 2: ISO/IEC 42001 Training for Practical Implementation



Session 3: Advancing Safe and Sustainable AI Practices