



**Asia-Pacific
Economic Cooperation**

2015/TPTWG41/AEG/002

Aviation Experts Group - Final Report

Purpose: Information
Submitted by: AEG Chair (United States)



APEC
PHILIPPINES
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**Aviation Experts Group Meeting
Jeju, Korea
27-28 May 2015**

Aviation Experts Group (AEG) - Final Report

Summary Report to HOD2 for the Closing Plenary:

47 delegates, representing 16 economies met at TPTWG 41.

Summary Reports on Projects and Activities

Emissions Reduction through Air Traffic Modernization Program: This program will study fuel savings and emission reductions from implementation of Air Traffic Flow Management procedures. This is follow-on to the successful project in 2013 to study, and in this iteration the team will study the Philippines and Viet Nam. Site visits are scheduled for the week of 29 June and the program is progressing as planned.

Hiring and Training Guidelines for Aviation Government Safety Inspectors: The Safety Subgroup heard an update that included detailed information on the recent job task analysis that was conducted by the United States. 487 job tasks have been identified. A sample job task analysis worksheet was presented at the meeting.

Aviation Security Information Sharing: The AEG-SEC continued with its objective of promoting information sharing on best practices and lessons learned on aviation security technologies and approaches between APEC partners:

1. Singapore provided updates on the 26th ICAO AVSEC Panel meeting in and on the work of the ICAO-WCO Joint Working Group on Advanced Cargo Information.
2. IATA gave a presentation on IATA's aviation security and facilitation; and smart security.
3. The Philippines provided an update on its joint proposal with Singapore to develop mutual aviation security assessment programs between APEC Economies.
4. Australia reported on a self-funded project aimed at assisting the aviation and maritime security sectors in the Asia Pacific region to develop and implement measures to deal with suspicious activities.
5. Australia also gave a number of presentations on recent key aviation developments, and security technical advances.

Business Aviation Initiative: The Air Services Subgroup asked economies to volunteer to participate in the first tranche of the second phase of work on the APEC Business Aviation Initiative. The first tranche will include four economies.

Air Services Consultations: The Air Services Subgroup reached consensus and decided to move forward with holding a special session of the Group in 2016 – either at TPTWG-42 or TPTWG-43 – that would allow Economies to hold informal bilateral consultations with one another on their respective air services issues.

Summary Report (Continued):

Liberalization of Air Services: The Air Services Sub-Group continued discussions related to the further liberalization of air services in the region. This included a discussion on recent developments in air service liberalization

New or On-going Project Endorsements/Sub-groups

Asia Pacific Flight Standards Conference: The AEG endorsed a repeat program to support the Asia Pacific Flight Standards Conference, planned for 2016 in Washington, DC. The project will be conducted by the Safety Subgroup and is critical to improving Flight Standards safety oversight throughout APEC economies.

Performance-Based Navigation to Reduce Aviation Fuel Consumption: The AEG formally endorsed the PBN Implementation Program to Reduce Aviation Fuel Consumption for a repeat effort. However, the Safety Subgroup must seek joint endorsement from the Energy Work Group before submitting the Concept Note.

Enhancing Aviation Security Quality Control: The AEG endorsed a proposal from the Security Subgroup on enhancing aviation security quality control through exchange programs and exercises. The project will entail a security exchange program where host countries share best practice that will provide the participant with security inspection tools and job aids. The concept note will be developed for July 2015 consideration

Appointment of Chairs and Vice Chairs:

The AEG confirmed that the United States will serve as AEG Chair for the next 2-year term. The Philippines will serve as the AEG Vice Chair.

The Safety Subgroup confirmed that the United States will serve as Safety Subgroup Chair for the next 2-year term. China will serve as the Vice Chair.

The Security Subgroup confirmed that Australia will serve as Security Subgroup Chair for the next 2-year term. Singapore will serve as the Vice Chair.

The Air Services Subgroup confirmed that the United States will serve as Air Services Subgroup Chair for the next 2-year term. Hong Kong China will serve as the Vice Chair.

INTRODUCTION:

Ms. Emily White (USA), Chair of the Aviation Experts Group (AEG) opened the TPTWG 41 Aviation Experts Group and welcomed 47 delegates, representing 16 economies: Australia, China, Hong Kong China, Indonesia, Japan, Republic of Korea, Malaysia, New Zealand, Papua New Guinea, Philippines, Russia, Singapore, Chinese Taipei, Thailand, United States, and Viet Nam.

- 1) Australia – 3
- 2) People’s Republic of China – 4
- 3) Hong Kong China - 2
- 4) Indonesia - 2
- 5) Japan – 1
- 6) Republic of Korea – 2
- 7) Malaysia – 1
- 8) New Zealand – 2
- 9) Philippines – 3
- 10) Russia - 3
- 11) Singapore – 4
- 12) Chinese Taipei – 4
- 13) Thailand – 6
- 14) United States – 6
- 15) Viet Nam – 2
- 16) Guests - 2

The AEG Chair opened the meeting with a personal introduction, followed by an invitation for those seated at the main table to introduce themselves. The Chair then asked for modifications to the current agenda and revised the agenda to include an information briefing from IATA.

SUBGROUP REPORT SUMMARY TO AEG

Subgroup Chairs summarized the activities of their groups, per the following:

AEG-SAF

1. The Aviation Safety subgroup had 15 attendees from 10 economies: China, Republic of Korea, Malaysia, Papua New Guinea, Philippines, Russia, Singapore, Chinese Taipei, Thailand, and the United States.
2. The subgroup heard an update on the second round of the Air Traffic Management program to Reduce Emissions. The project will study Vietnam and Philippines air traffic flow and capacity constraints. Site visits are planned for late June 2015.
3. The Chair provided an update to the Hiring and Training Guidelines for Aviation Government Safety Inspectors; which included detailed information on the recent job task analysis that was conducted by the United States. 487 job tasks have been identified. A sample job task analysis worksheet was presented.

4. Subgroup member economies provided information briefings on the following subjects:
 - a. Performance-Based Navigation Implementation Reporting
 - b. PBN Implementation in China
 - c. CAAC Safety Oversight for Foreign Air Operators
 - d. Language Proficiency
 - e. Effective Implementation of ICAO SARPs
5. The subgroup discussed and considered input for the TMM9 statement and provided recommendations to the Aviation Experts Group.
6. New Project Endorsements:
 - a. The Safety Subgroup endorsed a Concept Note for APEC travel funding to support the Asia Pacific Flight Standards Conference, planned for 2016 in Washington, DC.
 - b. The Safety Subgroup endorsed submitting a Concept Note for Performance-Based Navigation to Reduce Emissions. The Subgroup will seek dual endorsement from the Energy Work Group
7. The Team updated the Safety Subgroup Work Plan for 2014 – 2016.
8. The Subgroup confirmed that the United States will serve another 2-year term as Safety Subgroup Chair and China will serve another 2-year term as the Vice Chair.

AEG-SRV

1. At the 41st meeting, the United States and Hong Kong, China presided as chair and deputy-chair, respectively. Twenty-three (23) delegates from fifteen (15) Economies participated. In addition, one Guest participated in our meetings.
2. The Air Services Sub-Group (AEG-SRV) continued discussions related to the further liberalization of air services in the region. This included a discussion on recent developments in air service liberalization, a presentation by the United States on its slot allocation processes, and an overview by Russia on regional connectivity with respect to airports in Vladivostok and Yemelyanovo. Australia also gave an overview of ICAO ATRP developments.
3. The AEG-SRV reached consensus and decided to move forward with holding a special session of the Group in 2016 – either at TPTWG-42 or TPTWG-43 – that would allow Economies to hold informal bilateral consultations with one another on their respective air services issues.
4. The United States asked Economies to volunteer to participate in the first tranche of the second phase of work on the APEC Business Aviation Initiative. The first tranche will include four Economies. The United States explained that funding for the second phase, which is self-funded, would come from two sources of funds – one

from the U.S. Trade and Development Agency and the other from the U.S. Department of Transportation.

AEG-SEC

1. The AEG-SEC continued with its objective of promoting information sharing on best practices and lessons learned on aviation security technologies and approaches between APEC partners.
2. Singapore provided a summary of the outcomes of the 26th ICAO AVSEC Panel meeting in April 2015 in Montreal, Canada.
3. Singapore also provided an update on the work of the ICAO-WCO Joint Working Group on Advanced Cargo Information (ACI).
4. The AEG-SEC discussed possible aviation security work that could be provided as input to the draft Joint Ministerial Statement for TMM9 to be held in the Philippines in October 2015. Aviation security TMM9 Input was agreed as reflected in the TMM9 consolidated statement from the AEG.
5. IATA gave a presentation on IATA's aviation security and facilitation; and smart security.
6. The Philippines provided an update on its joint proposal with Singapore to develop mutual aviation security assessment programs between APEC Economies. Philippines proposal: Enhancing aviation security quality control through exchange programs and exercises is about a security exchange program where host countries share best practice that will provide the participant with security inspection tools and job aids. The concept note will be developed for July 2015 consideration.
7. Australia reported on a self-funded project aimed at assisting the aviation and maritime security sectors in the Asia Pacific region to develop and implement measures to deal with suspicious activities. The first workshop for aviation and maritime regulators was held in Bali, Indonesia in March 2015. The next Workshop on aviation security awareness will be held in Bangkok in August 2015 and the Maritime Security Awareness Workshop in October 2015 in Viet Nam.
8. Australia gave a number of presentations on recent key aviation developments, including: foreign fighters; contingency planning for heightened threat levels in Asia and Pacific and risk-based screening trials.
9. Australia provided an update on technology-based Liquids, Aerosols and Gels screening for duty free items and inbound LAGs restrictions.
10. Australia shared progress on opportunities for arrangements on mutual recognition of a range of security controls, technical standards, passenger and checked baggage screening. Australia also shared outcomes from a trial on one-stop aviation security

and both Australia and Singapore shared their views about the important considerations that economies need to think about when looking at one-stop security agreements.

11. Economies were asked to nominate at the meeting or speak to the AEG-SEC Chair to express interest in taking over the roles of Chair and Deputy Chair AEG-SEC. No additional nominations were received so Australia will remain as Chair and Singapore as Deputy Chair of the AEG-SEC Sub Group.

ONGOING PROJECTS

ATM Emissions Reduction Project – United States

Don Ward provided a status update on this project. This is a repeat project targeted for Vietnam and the Philippines and is based on air traffic flow management technology to improve aviation efficiency for those economies and reduce fuel/emissions. The project is self-funded by the U.S. Trade Development Agency; with the exception of nominal APEC funding for travel expenses. The project will culminate in a workshop to share information among economies that have bordering airspace with Vietnam and the Philippines.

Hiring and Training Guidelines for Flight Standards Aviation Government Safety Inspectors – United States

Emily White provided an update on the Government Safety Inspector initiative and briefed on the Job Task Analysis for the inspectors. This initiative was generated to address a worldwide issue regarding the lack of standardized skills for inspectors. The initiative has been active for several years. The activity since the last Safety Subgroup meeting has centered on a job task analysis for the safety inspectors. The FAA has identified 487 inspector job tasks. A sample job task analysis worksheet was presented at the meeting.

AEG NEW PROJECT ENDORSEMENTS

The AEG endorsed a Concept Note for APEC travel funding to support the Asia Pacific Flight Standards Conference, planned for 2016 in Washington, DC. This project is a follow-on to the highly-successful conference that was held in 2013.

The AEG endorsed submitting a Concept Note for Performance-Based Navigation to Reduce Emissions. The Safety Subgroup will seek dual endorsement from the Energy Work Group prior to submitting a Concept Note on the program.

The AEG endorsed a proposal from the Security Subgroup on enhancing aviation security quality control through exchange programs and exercises. The project will entail a security exchange program where host countries share best practice that will provide the participant with security inspection tools and job aids. The concept note will be developed for Jul 2015 consideration.

PROJECTS COMPLETED AND RESULTS ACHIEVED

No APEC-funded projects were completed during this period.

LINKAGES TO MINISTERS' AND LEADERS' DIRECTIVES

The Air Services work on Business Aviation and Air Services Liberalization are both directly linked to the TMM8 Joint Statement. The Safety Subgroup project to Reduce Emissions through Air Traffic Modernization is directed by the TEMC Action Agenda and supports the TMM8 Joint Statement. All Security Subgroup activities are linked to the TMM8 Joint Statement.

TMM9 STATEMENT INPUT

The AEG agreed to input for the upcoming TMM9 Statement as follows:

- 1) Promote capacity building efforts within APEC to implement ICAO requirements on air safety and security. Assist member economies to analyze airspace capacity and develop methods to increase capacity of both en route and terminal operations while maintaining safety levels.
- 2) Collaborate with aviation stakeholders to improve aviation safety, environmental efficiency, and the security of operators, air navigation service providers, and airports.
- 3) Note the ICAO direction on the need for Civil Aviation Authorities to ensure fully qualified and trained inspectors with conditions of service and remuneration consistent with their education, technical knowledge and experience, and comparable to those personnel of the entities they regulate.
- 4) An open and liberal international aviation regime is essential to continued economic growth and competitiveness in the APEC region. We encourage Economies to continue to pursue market access liberalization through existing avenues including the Multilateral Agreement on the Liberalization of International Air Transportation or the exploration of additional avenues in line with ICAO's long-term vision for international air transport liberalization. We also welcome the progress made by Economies in liberalizing intra-APEC aviation markets and recommend that they continue their work with one another in this regard.
- 5) In accordance with the set of core principles outlining best practices in the economic treatment of international business aviation operations, as developed by the TPTWG, we recommend Economies continue to pursue work on facilitating more seamless operation of business and general aviation across the APEC region. Such operations can connect major Asia-Pacific centers of trade in an unprecedented, time-saving manner and also support tourism development and facilitate more effective emergency and disaster response capabilities. Increased compatibility among Economies in their regulatory treatment of this sector may serve to open the door to global commerce for smaller communities and rural populations across the region that require access to major cities and manufacturing centers.
- 6) A fundamental element of a viable transportation system is that it is secure and able to facilitate the efficient movement of passengers and goods. Effective security measures need to be in place for all modes of transport and meet recognized

international standards. These standards need to be complementary and aligned to ensure the security objective is pursued in the most efficient way and without compromise on facilitation to movement of passengers and goods. The economies uptake of emerging technology and security measures together with implementing up to date training of transport security personnel are important in providing transport security measures which are able to meet current and emerging threats to transport security.

We urge economies to ensure that their aviation security framework comply with the Standards and Recommended Practices in ICAO Annex 17 to the Convention on International Civil Aviation.

We encourage economies to, as far as possible, utilise the latest transportation security technology and give a high priority to providing comprehensive training to transportation security personal. Training and security technologies should be aimed at assisting them in delivering a cost effective and secure transportation system to ensure aviation security, safety and minimise any security risks to transport within the Asia Pacific region.

Strong engagement and collaboration between APEC fora is needed to ensure that air transportation in the APEC region is safe, secure, seamless, and sustainable. We recognise and encourage the importance of ongoing collaboration between the TPTWG and the APEC Counter-Terrorism Task Force and Tourism Working Group.

ECONOMY REPORTS and INFORMATION SHARING

At the AEG meeting, the group participated in the following presentations and discussions:

1. ICAO iKits demonstration and presentation (United States) - Jim Spillane gave a presentation in ICAO iKits, with a live connection to show the information available to help economies deploy the process, procedures, and operational changes for key ICAO initiatives such as Performance-Based Navigation.
2. Update on global tracking of aircraft (United States) – Don Ward gave an update on the current status of the global flight tracking initiative. IATA and ICAO initiated the work in response to Malaysia MH370. ICAO recently established the Normal Aircraft Tracking Steering Committed and is driving to develop a final recommendation by 15 August 2015.
3. Collaboration with the International Air Transport Association (IATA) – Deannathe Kulatunge provided a background on IATA, to include organizational structure and objectives. IATA highlighted the economic value of aviation and stressed the advantage of having IATA work together with governmental organizations to remove barriers to aviation and ensure proper infrastructure is in place.
4. Overview of ICAO High Level Safety Committee meeting (United States) – Don Ward provided an overview of the focus areas from the ICAO HLSC meeting which was held in February 2015.

REQUIRED AMENDMENTS TO THE TPTWG 2015 WORK PROGRAM

The AEG Subgroups updated their work plans and the updated information will be provided to the TPTWG secretariate staff so that they can make changes, as needed, to the TPTWG Annual Work Plan.

SELECTION OF NEW AEG CHAIR AND VICE CHAIR

The AEG confirmed that the United States will serve as AEG Chair for the next 2-year term. The Philippines will serve as the AEG Vice Chair.

CLASSIFICATION OF MEETING DOCUMENTS

There were no documents tabled at the meeting that were considered to require restricted access.

MEETING DOCUMENTS TO BE UPLOADED TO THE TPTWG WEBSITE

- Air Services Subgroup Final Report
- Aviation Security Subgroup Final Report
- Aviation Safety Subgroup Final Report
- iKits Presentation
- ICAO Presentation
- Global Flight Tracking Status Paper

41ST APEC TRANSPORTATION WORKING GROUP MEETING

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41ST APEC TRANSPORTATION WORKING GROUP MEETING

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41ST APEC TRANSPORTATION WORKING GROUP MEETING**AVIATION EXPERT GROUP
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