

IATA AVIATION ENERGY FORUM

Baku, Azerbaijan
13-15 May, 2025

PROGRAM



Host airline



IATA AVIATION ENERGY FORUM

Monday, 12 May

18:00– 20:00

WELCOME COCKTAIL RECEPTION

Day 1: Tuesday, 13 May

JOINT SESSIONS

09:00 – 09:15

Welcome, Admin and Anti-trust Briefing

09:15 – 09:40

Opening Keynote Address

09:40 – 10:05

Keynote Address

10:05 – 10:30

State of the Airline Industry

10:30 – 11:15

MORNING BREAK

11:15 – 11:55

Jet fuel supply chain constraints - the bottlenecks and what needs to be done

Constraints in the jet fuel supply chain have impacted the reliable supply of fuel to airlines at several airports around the world. This session delves into the types of jet fuel supply chain constraints, where these are happening, and what can be done to mitigate or resolve the problems.

11:55 – 12:35

Fuel supply disruptions and the costs to airlines

Fuel supply disruptions are costly to airlines as they result in flight cancellations, flight diversions, passenger re-accommodation, extra crew deployment, and many other consequences that incur additional costs for airlines. This session explores the costs that airlines are exposed to in a fuel supply disruption and what can be done to shorten the period of disruption and reduce the occurrence in the first place.

12:35 – 14:10

LUNCH BREAK

14:10 – 14:50

Leveraging process standardization and advanced technologies for aircraft fueling

With manpower shortages to carry out aircraft fueling occurring in a number of locations around the world, can the industry leverage automation and advanced technologies to increase efficiency and productivity and reduce reliance on manpower? What are some of the potential solutions and the challenges of implementing automation and other technologies in aircraft fueling? This session will explore the topic.

#IATAAEF

Please note that the IATA AEF Program is regularly updated and is subject to change. For more information on this event, please contact Energyforum@iata.org



IATA AVIATION ENERGY FORUM

Day 1: Tuesday, 13 May

JOINT SESSIONS

14:50 – 15:30

Developments in global SAF policies and ReFuelEU

This session will provide updates on the development of SAF policies around the world with a main focus on ReFuelEU.

15:30 – 16:20

AFTERNOON BREAK

16:20 – 17:00

Introduction of SAF in markets supplied with TS-1 jet fuel – a case study of Kazakhstan

The Russian jet fuel specification, TS-1, is used mostly in countries of the Commonwealth of Independent States. The GOST standard has yet to incorporate the specification for synthetic aviation turbine fuel and the timeline for this happening remains uncertain. This poses a challenge for countries using TS-1 that would like to use SAF. Kazakhstan is one of those countries. This session looks at the steps and processes that Kazakhstan is taking to address the issue.

19:00 – 22:00

NETWORKING DINNER

Day 2: Wednesday, 14 May

COMMERCIAL SESSIONS

09:00 – 11:00	Airlines-only session
11:00 – 11:30	MORNING BREAK
11:30 – 11:40	Welcome, Admin and Anti-trust Briefing
11:40 – 12:20	Oil Market Outlook The session provides updates on ongoing initiatives related to operating standards, including IFQP inspection findings and root cause analysis, filtration technology surveys, and the status of JIG Bulletin 155 on Water Barrier Filters.
12:20 – 13:00	Refining economics - the consideration for the production of jet fuel Crude oil refining yields multiple products, of which jet fuel is one. What does a refinery consider when deciding how much jet fuel it would produce? This session delves into the economics of crude oil refining and what affects the amount of jet fuel that a refinery produces.
13:00 – 14:40	LUNCH BREAK
14:40 – 15:20	Peak Oil – Where are the major economies heading on future consumption of oil and refined products and how will that affect global oil production and prices? Global demand for oil is expected to peak within the decade due to a combination of technological advancements, policy changes, shifting consumer behaviors, and the rise of alternative energy sources. Which major economies are fast approaching a peak in their demand for oil and refined products and which ones are still growing their demand? This session peeks into the demand dynamics of oil and refined products of these economies and how future demand for jet fuel will be met.
15:20 – 16:00	Jet fuel supply landscape in the Commonwealth of Independent States Experts will share insights on the jet fuel supply landscape in various countries of the Commonwealth of Independent States including domestic production, imports, logistics, and market access, among others.
16:00 – 17:15	AFTERNOON REFRESHMENTS AND NETWORKING

Day 2: Wednesday, 14 May

TECHNICAL SESSIONS

09:00 – 09:10	Welcome, Admin and Anti-trust Briefing
09:10 – 10:00	Operating Standards Update The session provides updates on ongoing initiatives related to operating standards, including IFQP inspection findings and root cause analysis, filtration technology surveys, and the status of JIG Bulletin 155 on Water Barrier Filters.
10:00 – 10:30	Ensuring Safety on the Apron: A Focus on Fueling Operations This session is dedicated to promoting safety awareness during apron operations, with a particular emphasis on fueling procedures. Join us to explore best practices.
10:30 – 11:00	Progress on qualification of new technological pathways Update on the latest developments in ASTM D 7566
11:00 – 11:30	MORNING BREAK
11:30 – 12:30	Fuel Hydrant Systems At the previous two forums, we explored the design and commissioning of fuel hydrant systems. Given the current global landscape and the significant increase in air traffic, this session will focus on the challenges experienced in this region with fuel hydrant systems during the ramp-up period. Join us to discuss and address these critical issues to ensure efficient and safe operations.
12:30 – 12:50	Learnings from the Surabaya incident (Cathay Pacific Flight CX-780) Presentation by fuel supplier on overall quality assurance measures, improved safety procedures, and mitigation actions implemented in Indonesia following the 2010 incident, highlighting the significant improvements journey on managing aviation fuel distribution in the region.
12:50 – 13:20	Impact of Jet Fuel Characteristics on Airplane Operations The session will delve into discussing specific jet fuel characteristics that, in combination with certain contaminants, have led to icing issues impacting normal aircraft operations.
13:20 – 14:40	LUNCH BREAK
14:40 – 15:40	Ensuring Fuel Quality: A Deep Dive into Filtration Systems Filtration is crucial throughout the jet fuel supply chain to ensure that fuel delivered to aircraft is on-spec, free of particulates, and dry. Filtration manufacturers will guide us through all the considerations involved in designing and manufacturing filters to meet these stringent requirements. This session will provide valuable insights into the technologies and practices that ensure the highest fuel quality standards.

Day 2: Wednesday, 14 May

TECHNICAL SESSIONS

15:40 – 15:55

Refueller Qualifications Standard

At the last forum, an action item was identified to investigate the development of a standard for refuellers. An update is provided on the progress made and the actions going forward.

15:55 – 16:25

AFTERNOON BREAK

16:25 – 17:25

SBC Approval, Blending Considerations and Documentation

Discuss the process for obtaining SBC approval and key blending considerations, focusing on issues identified in Europe regarding SBC imports. Giving examples of the necessary documentation, paperwork, and certificates required for SBC and the finished jet fuel.

Day 3: Thursday, 15 May

COMMERCIAL / JOINT SESSIONS

- 09:20 – 09:30** **Welcome, Admin and Anti-trust Briefing**
- 09:30 – 10:10** **SAF Sustainability Certification – Operationalizing Dual Conformance and Proof of Compliance**
Dual Conformance in the Proof of Sustainability document (PoS) allows airlines to claim the SAF's environmental attributes against the regulatory scheme of their choice, whereas the Proof of Compliance document is needed for airlines when their suppliers have surrendered the PoS to the relevant authorities to prove their compliance with a mandate such as in ReFuelEU. This session explores how Dual Conformance and Proof of Compliance are operationalized.
- 10:10 – 10:50** **SAF pricing – will carbon intensity be factored into the pricing of SAF?**
Does the market for SAF view SAF with a lower carbon intensity as more valuable? Will it drive a change in the way SAF is priced from purely volumetric pricing to one that factors in carbon intensity? This session will explore the direction of SAF pricing.
- 10:50 – 11:30** **MORNING BREAK**
- 11:30 – 12:15** **Lower Carbon Aviation Fuels - how is lower carbon achieved, and what are the potential contributions to the Net Zero transition?**
What constitutes lower carbon aviation fuels (LCAF) and how can they contribute to the decarbonization of aviation? A panel of experts will discuss this topic.
- 12:15 – 12:30** **Wrap-up and Closing**
- 12:30 – 14:00** **LUNCH BREAK**

Day 3: Thursday, 15 May

TECHNICAL / JOINT SESSIONS

09:00 – 09:10	Welcome, Admin and Anti-trust Briefing
09:10 – 10:05	Deployment of EVs for aircraft fuelling operations Skytanking will present on development, adaptation and incorporation of the first 40KL EV refueller into airport operations at STR, providing Risk Assessment and operational experiences after +1500 fuellings. Risktec Solutions will present details of an EV hazard analysis performed for the Energy Institute.
10:05 – 10:20	Update on EI 1584 A presentation will be given on EI 1584 Four-inch hydrant system components and arrangements.
10:20 – 10:35	EI update A presentation will be given on the work undertaken by EI since the last AEF.
10:35 – 10:50	ASTM update A presentation will be given on the work undertaken by ASTM in the current semester.
10:50 – 11:30	MORNING BREAK
11:30 – 12:15	Lower Carbon Aviation Fuels - how is lower carbon achieved, and what are the potential contributions to the Net Zero transition? What constitutes lower carbon aviation fuels (LCAF) and how can they contribute to the decarbonization of aviation? A panel of experts will discuss this topic.
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