

Agenda

March 23, 2021

Day 1 – Overcoming the COVID-19 Pandemic

1:00 – 1:15 p.m.
Singapore local time
[0500 – 0515 UTC]

Welcome and Opening Remarks

Dr. Hassan Shahidi, President & CEO, Flight Safety Foundation
Mr. Tay Tiang Guan, Deputy Director General, Civil Aviation Authority of Singapore

1:15 – 1:45 p.m.
Singapore local time
[0515 – 0545 UTC]

Keynote Address

Mr. Subhas Menon, Director General, Association of Asia Pacific Airlines

1:45 – 2:00 p.m.
Singapore local time
[0545 – 0600 UTC]

Break

2:00 – 3:00 p.m.
Singapore local time
[0600 – 0700 UTC]

Session 1 – Panel Discussion: Safety Leadership During Crisis – How Can We Emerge Stronger?

The COVID-19 pandemic has had a dramatic impact on aviation globally. The worldwide spread of COVID-19, the introduction of border control measures and a sharp plunge in air travel calls for safety leadership to ensure a safe aviation restart, strengthen capabilities and build resilience against future crises. The actions of aviation safety leaders will affect safety levels in the new normal. In this session, you will gain an appreciation of the qualities of safety leadership and the actions that leaders should consider as the industry recovers and prepares to thrive.

Moderator

Mr. Harry Nelson, Chair, Flight Safety Foundation International Advisory Committee (IAC)

Panelists

Mr. Blair Cowles, Regional Director, Safety & Flight Operations, IATA Asia Pacific Office
Mr. Alan Foo, Acting Senior Director (Safety Regulation Group), Civil Aviation Authority of Singapore
Mr. Jonathan Grant, Director of Safety and Regulatory Affairs, South East Asia & India, Boeing
Capt Rob Bishton, Group Director Safety and Airspace Regulation, UK CAA

March 24, 2021

Day 2 – Aviation Mental Health and Human Factors

1:00 – 1:30 p.m.
Singapore local time
[0500 – 0530 UTC]

Keynote Address

Dr. Sarah Borwein, Director, TravelSafe Clinic Hong Kong

1:30 – 1:45 p.m.
Singapore local time
[0530 – 0545 UTC]

Break

1:45 – 3:00 p.m.
Singapore local time
[0545 – 0700UTC]

Session 2 – Panel Discussion: Aviation Mental Health and Human Factors

The importance of managing flight crew mental health was thrust to the forefront of aviation safety after the crash of LAM Flight 470 and Germanwings Flight 9525. The mental health of flight crew, and its potential impact on flight safety, must be a priority for the international aviation community. The COVID-19 pandemic has introduced a host of challenges, including job insecurity, and changes in team dynamics, routines and roles, that may introduce new stresses that may affect mental health. State civil aviation authorities and airlines have introduced Peer Support Programme (PSP) and Human Intervention Motivation Studies (HIMS) to help those who are affected so they may continue to perform their duties in a safe manner. Despite rapid gains in technology, humans are ultimately responsible for ensuring operational success and safety in the aviation industry. A sound scientific basis is necessary for assessing human performance implications in design, training, and procedures to continue to improve aviation safety. In this session, speakers will discuss an overview of aviation mental health issues and various human factors initiatives and developments.

Moderator

Mr. Dai Whittingham, Chief Executive, UK Flight Safety Committee

Panelists

Dr. Wong Sheau Hwa, Deputy Chairman (Civil Aviation Medical Board, Civil Aviation Authority of Singapore

Capt Dave Fielding, Executive Board, European Pilot Peer Support Initiative

Capt Laurie Shaw, Coordinator, Peer Assistance Network, HKALPA

Capt Paul Cullen, Research Associate, Trinity College Dublin

Dr. Trang Dao, MD, Consultant, Aviation Psychiatry, Santa Cabrini Hospital

March 25, 2021

Day 3 – Automation in the Flight Deck

1:00 – 1:30 p.m.
Singapore local time
[0500 – 0530 UTC]

Keynote Address
Barathan Pasupathi, Chief Executive Officer (CEO), Jetstar Asia

1:30 – 1:45 p.m.
Singapore local time
[0530 – 0545 UTC]

Break

1:45 – 3:00 p.m.
Singapore local time
[0545 – 0700 UTC]

Session 3 – Panel Discussion: Automation in the Flight Deck - Bane or Boon?

Pilots operating modern aircraft depend on automation for safe, efficient, and effective operation. However, recent accidents are a reminder that automation may work against us and result in the aircraft entering a state where it cannot return to safe flight. Automation is meant to reduce workload, so the pilot may focus on other important tasks, but poorly designed automation may result in the pilot losing her or his situational awareness and creates a huge increase in workload if it fails to work as designed. Are we in an era of automation dependency? Are we able to fully control an aircraft safely should some critical automation system fail? In this session, you will gain an appreciation of the benefits and challenges of automation on the flight deck and how we can continue to ensure aviation safety.

Moderator

Capt. Bill Curtis, Head of Aviation, Presage Group and Flight Safety Foundation International Advisory Committee (IAC) Member

Panelists

Capt Jack Hsu, B737-800 Check Pilot, China Airlines
Mr. Malcolm Ridley, Head of Production and Flight Test Safety, Airbus
Capt Eric Oon, A380 Chief Pilot, Singapore Airlines

Pre-Recorded Sessions

Session 4 – Panel Discussion: Data Analytics

1 hour

By 2025, more than 38,000 new aircraft will be in operation worldwide, producing many times more data than the previous generation aircraft. The proliferation of sensors on modern aircraft has led to a 60-fold increase in the number of aircraft parameters collected from each flight. To leverage the vast amount of data, the aviation community needs to be equipped with the necessary technology, knowledge, and processes to efficiently generate insights and formulate actions to enhance safety. In this session, we will examine how the aviation community can utilize data analytics to ensure safer skies.

Moderator

Mr. Wallace Feerrar, Transformation Aviation Risk Management Portfolio Manager, MITRE

Panelists

Mr. Christopher Murray, Head of Operations, R2 Data Labs, Rolls Royce

Mr. Rob Holliday, Flight Safety Manager, L3Harris – Flight Data Services

Mr. Erick Ferrandez, Head of Safety Intelligence Department, EASA

Mr Gerardo Hueto, Safety Engineer, Integrated Safety Teams, FAA

Capt. Nilesh Patill, Head Regulatory and International Affairs, Singapore Airlines

Session 5 – Panel Discussion: Safeguarding Public Health and Restarting Aviation: A Medical Perspective

1 hour

Unfortunately, our systems of transportation combined with our global social connections have enabled the rapid spread of COVID-19. Even when there seems to be a respite, States are hit by subsequent waves of infections. To curb the spread of COVID-19, governments have implemented border control measures that have had an unprecedented effect on aviation. What have we learned from the COVID-19 pandemic so far? If the aviation industry could re-do everything, would we have handled the pandemic differently? In this session, you will hear about the lessons learned from COVID-19 from a medical perspective and consider what the aviation community could have done and can do differently for future pandemics to minimize the impact to aviation and aviation safety.

Moderator

Dr. Chong Chun Hon, Chairman (Civil Aviation Medical Board), Civil Aviation Authority of Singapore

Panelists

Dr. Paulo Alves, Global Medical Director, MedAire

Dr. Ansa Jordaan, Chief Aviation Medicine Section, ICAO

Dr. Christian Ionut Panait, Rulemaking Medical Officer, EASA