

## Agenda

March 23, 2021

### Day 1 – Overcoming the COVID-19 Pandemic

1:00 – 1:15 p.m. <i>Singapore local time</i> [0500 – 0515 UTC]	<b>Welcome and Opening Remarks</b> 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. <i>Singapore local time</i> [0515 – 0545 UTC]	<b>Keynote Address</b>
1:45 – 2:00 p.m. <i>Singapore local time</i> [0545 – 0600 UTC]	<b>Break</b>
2:00 – 3:00 p.m. <i>Singapore local time</i> [0600 – 0700 UTC]	<b>Session 1 – Panel Discussion: Safety Leadership During Crisis – How Can We Emerge Stronger?</b>  The COVID-19 pandemic has dramatically impacted aviation globally. With the wide spread of COVID-19, introduction of border control measures and sharp plunge in air travel, it calls for safety leadership to ensure safe aviation restart, strengthen capabilities and build resilience against future crises. The actions of aviation safety leaders will impact safety levels in the new normal. In this session, you will have an appreciation of the qualities of safety leadership and the actions that aviation leaders should consider as the industry recovers and prepares to thrive in the new normal.

March 24, 2021

### Day 2 – Aviation Mental Health and Human Factors

1:00 – 1:30 p.m. <i>Singapore local time</i> [0500 – 0530 UTC]	<b>Keynote Address</b>
1:30 – 1:45 p.m. <i>Singapore local time</i> [0530 – 0545 UTC]	<b>Break</b>
1:45 – 3:00 p.m. <i>Singapore local time</i> [0545 – 0700 UTC]	<b>Session 2 – Panel Discussion: Aviation Mental Health and Human Factors</b>  The importance of managing flight crew mental health has been thrust to the forefront of aviation mental health after the crash of LAM Flight 470 and Germanwings Flight 9525. The mental health of flight crew, where their professional activity can affect flight safety, must therefore be a priority for the international aviation community. COVID-19 pandemic has introduced new changes such as job insecurity, change in team dynamics, routines and roles which may introduce new stresses that affect mental health. State CAAs 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

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aviation safety. In this session, speakers will discuss an overview of aviation mental health issues and various human factors initiatives and developments.

March 25, 2021

## Day 3 – Automation in the Flight Deck

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

**Keynote Address**

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 reminded us that automation may work against us and resulted 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 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 have an appreciation of the benefits and challenges of automation on the flight deck and how we can continue to ensure aviation safety.

## Pre-Recorded Sessions

**Session 4 – Panel Discussion: Data Analytics**

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 on the vast amount of data, the aviation community needs to be equipped with the necessary technology, knowledge and process to efficiently generate insights and formulate actions to enhance safety. In this session, you will have an appreciation on how the aviation community can utilise data analytics to ensure safer skies.

1 hour

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

Aviation has served as the vehicle for the rapid spread of COVID-19 to every part of the world. 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 put in border control measures which have an unprecedented effect on aviation. What have we learned from 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 have an appreciation on the lessons learned from the COVID-19 from a medical perspective and what the aviation community could have done and can do differently for future pandemics to minimise the impact to aviation and aviation safety.

1 hour