

# EU-South Asia Aviation Partnership Project II



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## Aviation Cybersecurity Workshop, Singapore, 27-28 Jun 2022

South Asia & South East Asia joined forces to mitigate Cyber Security Threats to Aviation Safety.

The workshop was held in Pan Pacific Hotel in Singapore on 27th & 28th June. The Objectives of the Workshop were:

**1.** Illustrate the basics of cybersecurity in aviation, the specific cyber threat landscape and how to address the related threats and vulnerabilities through.

A. Adequate regulations, with reference to the European example

B. Risk assessment and management.

C. Sharing risk assessment information and cyber threat information and intelligence.

**2.** Present and discuss ongoing activi-

ties at the ICAO level, namely the International Aviation Trust Framework, including its implications for the global aviation community. The challenges, issues and limitations in setting up a trust framework will also be illustrated with use cases (e.g. membership access, rejection of a member) based on similar instances.

**3.** Exchange opinions on defining an international approach to increase the resilience, safety and security of aviation in light of constantly evolving cyber threats.

**4.** The opening speech was given by

Mr. Luc Tytgat EASA Strategy and Safety Management Director, and the two experts who delivered the Workshop were Jean-Paul MOREAUX, EASA Principal Coordinator - Cybersecurity in Aviation & Gerry NGU, EASA, Senior Expert - Cybersecurity in Aviation. Mr. David Waller EASA Representative in Singapore attended the inaugural meeting amidst his busy schedule.

It was evident at the end of the workshop that the participants were happy to receive this initial introduction in preparation of the ICAO Trust Framework discussions. The two experts felt that the development of a more comprehensive workshop would also benefit EASA colleagues, satisfies the European Commission, and contributes to the export of the EASA safety system in the two regions.



# SSP/SMS fundamentals for South Asian Aviation

**TRAIN THE TRAINER WORKSHOP, DELHI, 16-18 AUG 2022**

SSP/SMS fundamentals for South Asian Aviation - Train the Trainer Workshop was held in New Delhi India from 16th-18th August. DGCA India partially contributed to the organization of the event which was held at the Indian Aviation Academy. It was the 3rd High Level workshop held by the Project since the Kick- Off Meeting in September 2021.

The workshop was designed to meet the needs of professionals already working in safety and, in particular, those who train others in SMS.

There were 57 participants from Bhutan, India, Maldives, Nepal & Sri Lanka at the event with Bangladesh & Pakistan joining online. There were almost 20 participants joining online who interacted in Q&A sessions actively. The two well renowned experts on SSP/SMS Dr. Hazel Courteney & Mr. Simon Roberts delivered a successful workshop within the allocated three days.





## EU-Asia Symposium on UAS/UAM, Singapore, 18-21 Oct 2022

The first EU-Asia symposium on UAS/UAM was held in Singapore from 18th—21st October at Goodwood Park Hotel.

The event was funded by the European Union and co-hosted by the Civil Aviation Authority of Singapore. The event was organized by EU Aviation Partnership Project in South Asia, South East Asia & North Asia. The symposium covered common regulatory and operational challenges in safely integrating drones and air taxis into the aviation system. The agenda was based on:

**Day 1** – Industry perspectives

**Day 2** – UAS operations

**Day 3** – eVTOLs and their ecosystem

**Day 4** – Airspace matters

It was significant to note that EASA representatives of all three Projects participated at this event. Although Mr. Carlos Menendez, the Project Manager was unable to attend the symposium as he was indisposed due to recovery after a back injury, he participated online together with Mr. Frederic Chambon, Project Manager, EU-NA APP. Mr. David Waller, EASA Representative in Singapore representing EU-SEA APP on-site, Mr. Hyang-Gyu Park from EU-NA APP along with Mr. Mahmood Razeq, Project Director, EU-SA APP II joined the symposium on-site, too. There were over 10 EASA high level UAS/UAM experts attending the symposium exchanging their valuable and expert knowledge through the presentations. 150 participants

from the industry & the Civil Aviation Authorities attended the workshop. It was encouraging to see Mr. Luc Tytgat attending the meeting right after his arrival from Cologne to Singapore and giving his key note address. The highlight of the event on the first day was the signing of a MoU between EASA & CAAS.

The take home message from the Symposium was the necessity of Harmonisation of Regulations across the globe, Intra Government Coordination and Regulator – Industry Collaboration for open and transparent communication.



## Coordinated actions with stakeholders - Presentation of AIRBUS' initiatives in South Asia

Presentation of AIRBUS's initiatives in South Asia was held virtually on 25th October with a total of 60 participants attending the discussion.

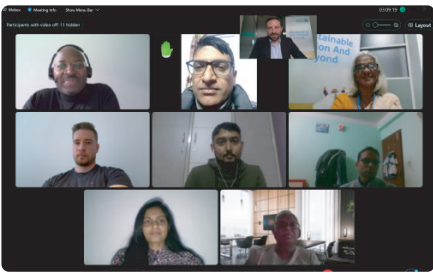
At the discussion Capt Rai presented his perspective on Helicopter accidents.

### He summarized that accidents are due to:

- Fragile safety culture
- Vulnerable regulations
- Light enforcement emboldening operators
- Inadequately trained supervisory crew
- Lacking standardization of training
- Ineffectual operational control.

### And as a mitigation action for the above threats he suggested:

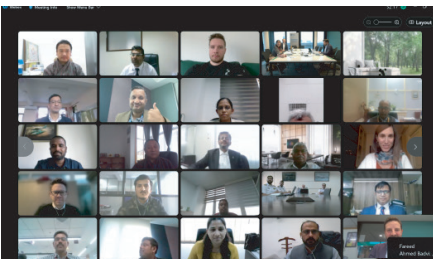
- Strengthen regulations, Promote safety culture
- Create risk awareness, Quality training.



## Cybersecurity information sharing and initiatives such as ISACs

As a follow-up to the successful EU-Asia Aviation Partnership Projects, Aviation Cybersecurity Workshop in Singapore on 27-28 June 2022, the EU-SA APP II project organized a remote event to continue the discussions and build on the progress and conclusions obtained there. The webinar discussed cybersecurity in aviation and raised awareness about national, regional, and international initiatives by both states and industry. In particular, it set out the aviation cyber threat landscape, including real-life cyber-attack observations and address means for sharing operational and cyber threat information as well as intelligence. During the session challenges, issues and limitations with respect to the existing European initiatives were presented as well as the tools and methods used. The target audience/participants were cybersecurity experts of the civil aviation authorities and other organisations dealing with cybersecurity in aviation. Especially, those implicated in cyber threat intelligence and sharing of information or incident reporting activities.

Over 40 participants participated in this online webinar.



## Environment matters: key developments in CORSIA & other updates

The webinar provided information on the outcome from the 41st ICAO Assembly that affects CORSIA scheme and practical information of CORSIA related topics such as an updated assessment of CORSIA eligible projects in the region. The webinar also included a brief summary of the adopted long-term global aspirational goal (LTAG) for international aviation of net-zero carbon emissions by 2050 and brief presentation of the 2022 edition of the EASA Environmental Report. The target audience for this session was CORSIA focal points from Civil Aviation Authorities and CORSIA focal points from South Asian Airlines.

Over 50 participants participated in this online webinar.

The EU-South Asia aviation Partnership Project II was conceived as a follow-up to the preceding project, which ended in 2020. It will ensure continuing outreach in the aviation sector with the Authorities in Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Sri Lanka.

The main project objective is to enhance the partnership between the EU and the South Asian Region in the domain of Civil Aviation. Global Aviation is facing more and more demanding challenges every day to maintain and increase the level of safety to achieve more efficient, accessible, and environmentally friendly aviation. A regional approach to these challenges has proven to be the best way to address these issues so that experiences could be shared and synergies be created.

**IMPLEMENTED THROUGH REGIONAL ACTIVITIES THE PRIMARY OBJECTIVES OF THE PROJECT ARE:**

- 1- Institutional Links
- 2- EU-SA Market Access
- 3- EU Common Rules and Environmental Protection



At a glance the EU-SA Aviation Partner Project II aligns EU and SA in the field of Civil Aviation.



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