



Funded by the European Union and Implemented by the European Aviation Safety Agency

# **ASEAN ATM Master Plan** ASEAN-wide implementation of agreed initiatives

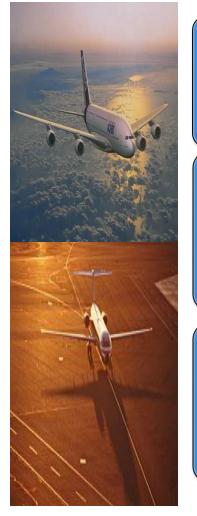
Anders Hallgren ARISE+ ATM Expert

### Your safety is our mission.

An agency of the European Union



## **OUTCOME PREVIOUS WORKSHOPS**



Noted that the ASEAN Strategic Transport Plan includes a requirement to develop an ASEAN ATM Master Plan.

<u>Recognised the requirement</u> to adhere closely to the ICAO GANP and the APAC Seamless ATM Plan.

Noted the <u>work done in Europe</u> to build their regional ATM Master Plan and its associated monitoring mechanisms.



### **OUTCOME PREVIOUS WORKSHOPS**



Agreed that the ASEAN ATM Master Plan would focus on short to medium term developments required to increase capacity and efficiency of the ASEAN ATM Network

Agreed to propose to the SPG that the immediate focus areas should be those that are essential for the provision of interoperable and seamless ATM across the ASEAN area



**1. ATS Route Network collaborative management** 

- 2. Civil/Military cooperation
- 3. Surveillance infrastructure
- <u>4. Automated coordination and transfer</u> <u>procedures</u>
- 5. Airport ATM Operations



<u>6. Consistent operating practices and</u> <u>procedures</u>

- 7. Dynamic capacity balancing
- 8. Human performance
- 9. Digitally based AIM systems



### **OUTCOME PREVIOUS WORKSHOPS**



ASEAN Member States to commit the resources as required to support the work of the SPG to develop the details of the Master Plan.



### •And now you are there....

ASEAN AIR TRAFFIC MANAGEMENT (ATM) MASTER PLAN Seamless ASEAN Sky: One Sky for "One Vision, One Identity, One Community"



7



Initiative	Focus Area			
Performance Based Navigation Routes (PBN Routes)	En-route			
Air Traffic Flow Management (ATFM)	En-route			
ATS Inter-facility Data Communication (AIDC)	Information Management			
Aeronautical Information Management (AIM)	Information Management		Initiative	Focus Area
Common Aeronautical Virtual Private Network (CRV)	Information Management	PBN Appr	roach	Terminal
		ATS Surv	eillance	En-route
		ADS-C/CI	PDLC	En-route
		ATS Surv	eillance with Data Integrated	En-route
		Airborne S	Safety Systems	En-route
		Civil/Mili	tary Use of Special Use Airspace (SUA)	Civil/Military Cooperation
		Strategie (	Civil/Military Coordination	Civil/Military Cooperation
		Tactical C	ivil/Military Coordination	Civil/Military Cooperation

8



 support the ASEAN Member States in the continued deployment of the initiatives agreed as priorities in the ASEAN ATM Master Plan;

 share European experiences on issues that needs to be considered when handling region-wide implementation and deployment of agreed ATM improvements; and

 reach ASEAN-wide agreement on the structure and main content of the road maps required for each of the five identified priorities.



#### AGENDA:

АН	Opening and Administrative Matters		
АН	Workshop objectives, set-up and expectations		
PB/DB	General Introduction – ATM Planning in Europe, from Global to regional to local		
ASEAN	The implementation of the ASEAN ATM Master Plan o ASEAN MS to present the status of the plan o Ensuring compatibility with the ICAO APAC Seamless ATM Plan		
PB/DB	The European ATM Master Plan Methodology		
РВ	The European Implementation and Monitoring Mechanisms o ESSIP (Regional) o LSSIP (Local)		
PB/DB	The status in Europe with regard to the development of some of the ASEAN first-priority initiatives and possible future inclusions SWIM, AIM and CRV Cyber security Drones Cjy/Mil cooperation		
РВ	Deployment planning o The development of road maps		
АН	Paper planning exercise o Breakout sessions to develop <u>strawman</u> road maps for the five initiatives		
АН	Conclusions and recommendations		



#### <u>DAY 1</u>

#### The global perspective, ICAO Seamless ATM Plan

• ICAO to explain how to ensure compatibility with the ICAO APAC Seamless ATM Plan

#### **ATM Planning in Europe**

• David from the SESAR Joint Undertaking to explain the principles behind ATM Planning in Europe

#### The implementation of the ASEAN ATM Master Plan

• ASEAN Secretariat supported by ASEAN States to present where we are and where we are going with the ATM Master Plan

#### The European ATM Master Plan

• Paul from Eurocontrol and David to explain the setup and methodology used, the content, the evolution of the plan, and lessons learnt

#### The European Implementation and Monitoring Mechanisms

• Paul to explain the LSSIP/ESSIP processes

#### The Master Plan portal

#### ASEAN/wide implementation of agreed initiatives, Bangkok 10 September 2018 11



#### <u>DAY 2</u>

# The status in Europe with regard to the development of some of the ASEAN first-priority initiatives and possible future inclusions

•Paul, David and Anders to talk about issues such as SWIM, AIM, CRV, Cyber Security, Drones, Civ/Mil coordination and how these are detailed in the EUR ATM Master Plan

#### **Typical European projects**

• Paul and David to discuss lessons learnt from some typical European projects, successful and not so successful

#### The 5 Initiatives, present status

• ASEAN Secretariat supported by the lead countries to present where we are with regard to the 5 initiatives in need of AEAN/wide, harmonised implementation



#### <u>DAY 3</u>

#### **Paper Planning Exercise**

•Breakout sessions to develop strawman road maps for the five initiatives





## Thank you for your attention!

### Your safety is our mission.

An agency of the European Union

