



EASA

European Aviation Safety Agency



ARISE+

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

ASEAN ATM Master Plan

ASEAN-wide implementation of agreed initiatives

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OUTCOME PREVIOUS WORKSHOPS



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

Recognised the requirement to adhere closely to the ICAO GANP and the APAC Seamless ATM Plan.

Noted the work done in Europe 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



The nine Focus Areas

1. ATS Route Network collaborative management
2. Civil/Military cooperation
3. Surveillance infrastructure
4. Automated coordination and transfer procedures
5. Airport ATM Operations



The nine Focus Areas

6. Consistent operating practices and procedures

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.



ASEAN ATM Master Plan

•And now you are there....





ASEAN ATM Master Plan

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
Common Aeronautical Virtual Private Network (CRV)	Information Management

Initiative	Focus Area
PBN Approach	Terminal
ATS Surveillance	En-route
ADS-C/CPDLC	En-route
ATS Surveillance with Data Integrated	En-route
Airborne Safety Systems	En-route
Civil/Military Use of Special Use Airspace (SUA)	Civil/Military Cooperation
Strategic Civil/Military Coordination	Civil/Military Cooperation
Tactical Civil/Military Coordination	Civil/Military Cooperation



OBJECTIVES

- 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.



ASEAN ATM Master Plan

AGENDA:	
AH	Opening and Administrative Matters
AH	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 <ul style="list-style-type: none">o ASEAN MS to present the status of the plano Ensuring compatibility with the ICAO APAC Seamless ATM Plan
PB/DB	The European ATM Master Plan Methodology
PB	The European Implementation and Monitoring Mechanisms <ul style="list-style-type: none">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 <ul style="list-style-type: none">o SWIM, AIM and CRVo Cyber securityo Droneso Civ/Mil cooperation
PB	Deployment planning <ul style="list-style-type: none">o The development of road maps
AH	Paper planning exercise <ul style="list-style-type: none">o Breakout sessions to develop <u>strawman</u> road maps for the five initiatives
AH	Conclusions and recommendations



ASEAN ATM Master Plan

DAY 1

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 ATM Master Plan

DAY 2

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 ASEAN/wide, harmonised implementation



ASEAN ATM Master Plan

DAY 3

Paper Planning Exercise

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



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