

ARISE PLUS CIVIL AVIATION PROJECT

ACTIVITY IMPLEMENTATION SHEET

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|--|---------------------|---|--------------|------------|-----------------------|
| ACTIVITY THEME: Air Traffic Management | | ACTIVITY NO. (OWP): 4.2 | | | |
| Activity Title: Support ASEAN ATM Master Plan – workshop 3: The implementation of ATFM | | | | | |
| PST contact persons | Title | Name | Phone | Fax | E-mail |
| | Mr. | Anders Hallgren | +32499942440 | | Ahallgren53@gmail.com |
| Venue | | AirNav HQ, Tangerang City, Indonesia | | | |
| Starting | | 09.00, 24 September 2018 | | | |
| Ending | | 14.00, 26 September 2018 | | | |
| OBJECTIVE: <ol style="list-style-type: none"> 1) Share European experiences on issues that needs to be considered when developing and running a region-wide ATFM service; and 2) Discuss an ASEAN-wide agreement on key principles and requirements for all stakeholders involved in the application of ATFM. | | | | | |
| ARISE Plus Experts | | | | | |
| Expert 1 | Name: | Anders Hallgren | | | |
| | Organisation | ATM Expert, ARISE+ | | | |
| Expert 2 | Name: | Slavi Stoyanov | | | |
| | Organisation | Network manager, EUROCONTROL | | | |
| Expert 3 | Name: | Davor Crnogorac | | | |
| | Organisation | FMP Manager, CroatiaControl, Croatia | | | |
| ASEAN EXPERTS PROFILE | | | | | Number: 40-45 |
| Specialty | | Air Traffic Management, from the Civil Aviation Authority and/or ANSP of the State. | | | |
| Position | | 1) Head of ATM Department or similar. Participants should be in a position to agree on priorities for ATFM developments on behalf of his/her state. 2) States are requested to nominate suitably qualified participant(s) who have or may in the future have direct responsibility for the development, implementation and management of ATFM processes. | | | |

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| Experience at this position | It is suggested that suitably qualified participants(s), should be those who have direct responsibilities in operations management and supervision and where possible experience in or knowledge of ATFM systems and procedures. |
| Misc. | |

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SUMMARY

One of the five initiatives requiring urgent attention identified in the ASEAN ATM Master Plan is the implementation of an ATFM Service. In addition, during the ARISE+ project team inception phase visits, several of the ASEAN Member States expressed the opinion that for them the implementation of an efficient ATFM service was priority number one.

Based on this, it was agreed that one of the first priorities of the ATM part of the ARISE+ project would be to arrange for a discussion between the ASEAN experts working on the implementation of ATFM and experts from Europe who have been involved in regional application of ATFM for many years.

This workshop will be supported by two very experienced ATFM staff, Mr. Stoyanov from the European Network Manager, and Mr. Crnogorac, an FMP Manager representing one of the States that are working together with the Network Manager. Together they will share their knowledge and experience on the different aspects of ATFM with the experts from the ASEAN Member States. Experiences regarding rules and procedures, as well as day-to-day application will be shared with ASEAN experts. It is anticipated that a detailed presentation of European ATFM could have the potential to provide ideas for improvements to the ASEAN multi/nodal system.

The application of ATFM in Europe has many similarities with the situation in ASEAN. However, there are some very important differences also. In ASEAN there will not be a central unit, no regional Network Manager like in Europe, but rather apply the multi-nodal concept. The European experts are aware of this, and will be in a position to discuss ATFM not only from their perspective with a central unit supporting, but also from the ASEAN perspective. The main task for the European experts at this workshop will not be to describe the European ATFM system, but rather to be able to discuss what is needed in SE Asia to get the multi-nodal system up and running efficiently.

In Europe everything to do with the application of ATFM is strictly regulated. At the workshop, the European experts will be ready to present on and discuss what they think are required from the regulatory point of view to support ATFM, i.e. how to best ensure commitment from all stakeholders and compliance with measures. The experts will also speak about what they think are the pre-requisites that has to be in place to allow for an efficient ATFM service. Regulation is one such pre/requisite, communication between stakeholders, sharing of flight plan information, sharing of airspace data etc etc, possible others.

The presentations foreseen at the workshop includes the following:

- 1) The Distributed Multi-Nodal ATFM Network, a status report (ASEAN)
- 2) The new version of ICAO Doc 9971 (ASEAN expert)
- 3) ICAO developments in the region (ICAO RO Bangkok)
- 4) The regulatory framework in Europe (European experts)
- 5) The application of ATFM in Europe (European experts)
- 6) Ongoing and future developments of the ATFM service in Europe (European experts), and
- 7) Requirements for an efficient application of ATFM without NM (All).

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AGENDA:

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|----------|---|
| AH | Opening and Administrative Matters |
| AH | Workshop objectives, set-up and expectations |
| ICAO | General Introduction – ICAO developments in the region |
| ASEAN | The new version of ICAO Doc 9971 |
| ASEAN | The Distributed Multi-Nodal ATFM Network, a status report |
| SS/DC | The application of ATFM in Europe |
| AH/SS/DC | The regulatory framework in Europe <ul style="list-style-type: none"> • The EUR Implementing Rule • ICAO Doc 7030, EUR • ATFCM Handbook • FMP Handbook |
| SS/DC | Ongoing and future developments of the ATFM service in Europe <ul style="list-style-type: none"> • ATFM to ATFCM • ETFMS • NOP portal • A-CDM • FRA • FAB |
| All | Requirements for an efficient application of ATFM without NM <ul style="list-style-type: none"> ○ How to replace the role of NM ○ Pre-requisites that needs to be in place ○ Common procedures agreed |
| All | Key principles and requirements for ATFM in ASEAN |
| AH | Conclusions and recommendations |

Miscellaneous

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