

*The ATS Messaging Management Centre (AMC)*  
*Workshop*  
*For APAC Region*

*ACSICG/12...25 MAR 2025*

# ***TOPICS***

- ***AMC*, its significance and functionalities in The APAC Region**
- **Standard procedure for using the EUROCONTROL AMC tool**
- **EUROCONTROL AMC tool demonstration**
- **Drafting, reviewing, and finalizing the Standard Operating Procedure (SOP) for updating AMC AFTN/AMHS routing table in Asia/Pacific Region**

# ***AGENDA***

- 1. What is AMC?**
- 2. AEROTHAI with AMC (APAC Focal Point)**
- 3. AMC Tools (AMC Form / Website demonstration)**
- 4. AFTN/AMHS Routing Table**
- 5. The Standard Operating Procedure (SOP) for updating AMC AFTN/AMHS routing table in Asia/Pacific Region**

# 1. What is AMC?

## **Air Traffic Services Messaging Management Centre (AMC)**

- The off-line network management services to support European air navigation service providers' (ANSPs) ground ATS messaging network.
- The AMC also serves as the European focal point for ATS Messaging Management, and coordinates with communication and management centres in other ICAO Regions.
- The key functions of the AMC are address management and routing management.

## **2. AEROTHAI with AMC (APAC Focal Point)**

**The 6<sup>th</sup> Meeting of ATNIGG Working Group** in Hua Hin, Thailand,  
22 – 25 September 2009

- AEROTHAI was requested by the ATNIGG to be the regional contact point for the AMC operation.

**The 6<sup>th</sup> Meeting of ATNIGG** in Seoul, Republic of Korea  
16 – 20 May 2011 AEROTHAI proposed draft procedure and form for AMC operation within APAC region. (WP17)

- States are required to submit changes and address information to the AMC through AEROTHAI
- The registered users of AMC from States in APAC are required to access AMC off-line for latest changes in the database following AIRAC cycle.

### 3. AMC Tools (AMC Form)

1. Appendix F form for the Major change
  - AMHS PRMD name registration
  - Declaration of address scheme
2. AMC Information form for the other information
  - Personal contact
  - Com center
  - AFTN/AMHS Capacities
  - Connection with other international circuits
  - Routing Table

### 3. AMC Tools (AMC Website Demonstration)

- The off-line management of the integrated, heterogeneous messaging environment made of the aeronautical fixed telecommunication network (AFTN), common ICAO data interchange network (CIDIN) and AMHS
- <https://ext.eurocontrol.int/auth4u/login/login>



### **3. AMC Tools (AMC Website Demonstration)**

#### **❖ AMC Users**

- 1. AMC Operator**
- 2. CCC Operator**
- 3. External Operator**
- 4. Read only Users**



# 3. AMC Tools (AMC Website Demonstration)

## ❖ Register to AMC

### 1. APAC AMC User

- Register for ATS Messaging Management Application
- Register as read only user

The image shows two overlapping screenshots of the OneSky Online Extranet interface. The top screenshot displays the login page with fields for Username (containing 'AnmcAerothai'), Password (masked with dots), and Passcode (with a note 'requires SecurID - optional'). Below these fields are links for 'Forgotten username or password' and 'Sign In', and a 'New user? Register now.' button. The bottom screenshot shows the 'My Services' page with a 'Manage' button and a list of services. The 'ATS Messaging Management Application' is highlighted with a red box. Other services listed include A-CDM Map tool, Archive ATFM statistics reports, ATS Messaging Management Application - TEST version, BADA User Interface, Event booking, IMPACT, iSupplier registration form, OneSky Teams (new - migrated), PBN Map Tool, and Standards Development Consultations.

**OneSky Online Extranet**

Username  
AnmcAerothai

Password  
.....

Passcode (requires SecurID - optional)  
Enter passcode

[Forgotten username or password](#) [Sign In](#)

[New user? Register now.](#)

**OneSky Online**  
OneSky Online is EUROCONTROL's Extranet, that part of our website where content can be accessed by authorised users only.  
We have simplified the interface, but the way you access your tools and

**My Services** [Manage](#)

- A-CDM Map tool
- Archive ATFM statistics reports
- ATS Messaging Management Application**
- ATS Messaging Management Application - TEST version
- BADA User Interface
- Event booking
- IMPACT
- iSupplier registration form
- OneSky Teams (new - migrated)
- PBN Map Tool
- Standards Development Consultations

### **3. AMC Tools (AMC Website Demonstration)**

#### **❖ AMC Area**

- **Enter Background Data**
- **View Pre-Operational Data**
- **Operational Data**
- **Miscellaneous Functions**

### **3. AMC Tools (AMC Website Demonstration)**

#### **❖ AMC Area**

- **Enter Background Data**
  - Network Inventory
  - Routing Directory
  - Address Management
  - User Capabilities Management

### **3. AMC Tools (AMC Website Demonstration)**

#### **❖ AMC Area**

- **View Pre-Operational Area**
  - Network Inventory
  - Routing Directory
  - Address Management
  - User Capabilities Management
  - Static Report (update data)

### **3. AMC Tools (AMC Website Demonstration)**

#### **❖ AMC Area**

- **View Operational Area**
  - Network Inventory
  - Routing Directory
  - Address Management
  - User Capabilities Management
  - Static Report (update data)

### **3. AMC Tools (AMC Website Demonstration)**

#### **❖ AMC Area**

- **Miscellaneous Functions**
  - View Bulletin Board
  - View AIRAC Cycle

# 3. AMC Tools (AMC Website Demonstration)

## ❖ AMC Miscellaneous Functions

### ■ AMC AIRAC Cycle

**View AIRAC Cycle**

View AIRAC Cycle View AIRAC Dates

AIRAC Cycle Day : 24

Current AIRAC Cycle View

		Data Entry	Data Validation and Table Generation	ACK Phase	ACK Processing	Data Retrieval and Implementation (by CCC)
Day in Cycle	Calendar Dates	by CCC Ext COM / AMC	by AMC	by CCC	by AMC	Data Publication (by AMC)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

LEGEND

	AMC Operator looks COM Centres		AMC Operator releases the routing matrix
	AMC Operator transfers to pre-operational area		AMC Operator moves data to operational area, unlocks COM Centres and makes official publications; CCC Operators use new data for operational service
	Weekends		
	Current Day		



### 3. AMC Tools (AMC Website Demonstration)

#### ❖ AMC Miscellaneous Functions

##### ▪ AMC Bulletin Board

View Bulletin Board

[ HELP ]

6th March 2025

OPER.273 Day 14

Dear Colleagues,

The new Routing Matrix OPER.273 status has been changed to 'Proposed'. Could all Com Centres ACK/NACK by 12th March 2025


Best regards,

AMC Team

amc.operator@nats.co.uk

# 3. AMC Tools (AMC Website Demonstration)

## ❖ AMC Functions: Network Inventory

Network Inventory 

Background Area [ HELP ]

Persons & Contacts

Com Centers

AFTN / CIDIN Capabilities

AMHS Capabilities

VCG's

Connections

Region or Country

COM Centre

Location

Country

MD Common Name

Country-Name

ADMD-Name

PRMD-Name

Home

Search

ASIA/PAC

VTBB

BANGKOK (ACC/FIC/COM CENTRE)

Thailand

THAILAND

XX

ICAO

THAILAND

Personal Role	Firstname	Surname	Phone	E-Mail
Management	Jittima	Asawachaiporn	6622859082	jittima.as@aerothai.co.th
CCC Operator	Jittima	Asawachaiporn	6622859082	jittima.as@aerothai.co.th
COM-Department	Wanchai	Rattanasing	+6622859333	vtbbyfyx@aerothai.co.th
Back Up External COM Operator	Siriwan	RUNGNOPPARAT	6622859081	siriwan@aerothai.co.th

# 3. AMC Tools (AMC Website Demonstration)

## ❖ AMC Functions: COM Centers

Network Inventory

Background Area [ HELP ]

Persons & Contacts

Com Centers

AFTN / CIDIN Capabilities

AMHS Capabilities

VCG's

Connections

Region or Country  
ASIA/PAC

COM Centre  
VTBB

Location  
BANGKOK (ACC/FIC/COM CENTRE)

Country  
Thailand

MD Common Name  
THAILAND

Country-Name  
XX

ADMD-Name  
ICAO

PRMD-Name  
THAILAND

Administrative Status  
EXTERNAL

Region  
ASIA/PAC

Displayed in COM Charts  
EUR/NAT  
ASIA/PAC  
INTERREGIONAL

Postal Address  
Aeronautical Radio of Thailand  
102 Ngamduplee RAMA 4 Road,  
Tungmahamek Santhom  
Bangkok 10120  
THAILAND


Remark

Applications

Code	Description
AFTN/AMHS GW	AFTN/AMHS Gateway
ATS MSGSRV	ATS Message Server
Conv. AFTN	
COM TO CTR	

### 3. AMC Tools (AMC Website Demonstration)

#### ❖ AMC Functions: AFTN / CIDIN Capabilities

**Network Inventory** 

**Background Area** [\[ HELP \]](#)

**Persons & Contacts**

**Com Centers**

**AFTN / CIDIN Capabilities**

**AMHS Capabilities**

**VCG's**

**Connections**

**Region or Country**  
ASIA/PAC

**COM Centre**  
VTBB

**Location**  
BANGKOK (ACC/FIC/COM CENTRE)

**Country**  
Thailand

**MD Common Name**  
THAILAND

**Country-Name**  
XX

**ADMD-Name**  
ICAO

**PRMD-Name**  
THAILAND

**Ax - VCG Mapping Capability**  
Automatic

**Ax - VCG Mapping Actual Used**  
Automatic

**Ad - Ax Mapping Capability**  
Automatic

**Ad - Ax Mapping Actual Used**  
Automatic

**CIDIN App. Windowing Capability**

**CIDIN App. Win. Actual Value**

**Long Message Processing**  
Yes

Home

Search

# 3. AMC Tools (AMC Website Demonstration)

## ❖ AMC Functions: AMHS Capabilities

Network Inventory

Background Area [ HELP ]

Persons & Contacts

Com Centers

AFTN / CIDIN Capabilities

AMHS Capabilities

VCG's

Connections

Region or Country

COM Centre

Location

Country

ASIA/PAC

VTBB

BANGKOK (ACC/FIC/COM CENTRE)

Thailand

MD Common Name

Country-Name

ADMD-Name

PRMD-Name

THAILAND

XX

ICAO

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MTA Name

Maximum Content Length

Extended Encoded Information Types in Support of:

IA5

FTBP

General Text Body Part(ISO 646)

General Text Body Part(ISO 8859-1)

ATS Message Server

Messages Lifetime (Minutes):

Urgent

Non Urgent

Normal

Report

MTA-VTBB-1

16000

2880

2880

2880

2880

AFTN/AMHS Gateway

Currently Authorized Message Length

Maximum Number of Addresses

Converted General-Text Body Parts

ISO 646

ISO 8859-1

Operational Status

5000

500

OP

Protocol Capabilities

# 3. AMC Tools (AMC Website Demonstration)

## ❖ AMC Functions: Connections

**Network Inventory**

Background Area [ HELP ]

Persons & Contacts

Com Centers

AFTN / CIDIN Capabilities

AMHS Capabilities

VCG's

Connections

Region or Country  
ASIA/PAC

COM Centre  
VTBB

Location  
BANGKOK (ACC/FIC/COM CENTRE)

Country  
Thailand

MD Common Name  
THAILAND

Country-Name  
XX

ADMD-Name  
ICAO

PRMD-Name  
THAILAND

Home

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Existing Connections

Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark
LIII	AMHS/TCP-IP		MPLS	2 Mbps	none	[X]	Start operating from 27 JAN 2022 / 1100UTC (supplier NT)
SITA	AMHS/TCP-IP				SITA	[X]	SITA TYPE X GATEWAY
VARR	AMHS/TCP-IP		CRV	512 Kbps	VTBB (AEROTHAI) / VABB	[X]	Start operating from SEP 29, 2014 0600UTC

Planned Connections

Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type
VVTS	AMHS/TCP-IP		VSAT IP Link	64K	VTBB (AEROTHAI)		Add

Report

Existing

VTBB

# 3. AMC Tools (AMC Website Demonstration)

## ❖ AMC Functions: AFTN Routing Table

Routing Directory

Background Area [HELP]

AFTN Routing Table

CIDIN Routing Table

AMHS Routing Table

Region or Country

COM Centre

Location

Country

AFTN Matrix

MD Common Name

Country-Name

ADMD-Name

PRMD-Name

Matrix Status

Search

Home

Extended

ASIA/PAC

VTBB

BANGKOK (ACC/FIC/COM CENTI

Thailand

OPER.273

THAILAND

XX

ICAO

THAILAND

Proposed

Destination	Existing Main	MTCU	Existing Altn	MTCU	Planned Main	MTCU	Planned Altn	MTCU
A		[X]		[ ]		[ ]		[ ]
B		[X]		[ ]		[ ]		[ ]
C		[X]		[ ]		[ ]		[ ]
D*		[X]		[ ]		[ ]		[ ]
E		[X]		[ ]		[ ]		[ ]
F		[X]		[ ]		[ ]		[ ]
G*		[X]		[ ]		[ ]		[ ]
H		[X]		[ ]		[ ]		[ ]
K		[X]		[ ]		[ ]		[ ]
L		[X]		[ ]		[ ]		[ ]
M		[X]		[ ]		[ ]		[ ]
N		[X]		[ ]		[ ]		[ ]
O		[X]		[ ]		[ ]		[ ]
P		[X]		[ ]		[ ]		[ ]



# 3. AMC Tools (AMC Website Demonstration)

## ❖ AMC Functions: AMHS Routing Table

**Routing Directory**

**Background Area** [\[ HELP \]](#)

**AFTN Routing Table**

**CIDIN Routing Table**

**AMHS Routing Table**

Region or Country  
ASIA/PAC

COM Centre  
VTBB

Location  
BANGKOK (ACC/FIC/COM CENT)

Country  
Thailand

Home

AMHS Matrix  
OPER.273

Search

MD Common Name  
THAILAND

Country-Name  
XX

ADMD-Name  
ICAO

PRMD-Name  
THAILAND

Matrix Status  
Proposed

Extended

Destination				Existing Main		Existing Alternate		Planned Main		Planned Alternate		Comments
C	ADMD	PRMD	O	COM	M	COM	M	COM	M	COM	M	
XX	ICAO	AG		WSSS	[ ]	(WMKK)	[ ]		[ ]		[ ]	APAC (AG)
XX	ICAO	AN		WSSS	[ ]	(WMKK)	[ ]		[ ]		[ ]	APAC (AN)
XX	ICAO	ANGOLA		WSSS	[ ]	(VABB)	[ ]		[ ]		[ ]	AFI (FN)
XX	ICAO	ANSA BH		LIII	[ ]	(WSSS)	[ ]		[ ]		[ ]	EUR/NAT (LQ)
XX	ICAO	AUSTRALIA		WSSS	[ ]	(WMKK)	[ ]		[ ]		[ ]	APAC (Y)
XX	ICAO	AUSTRIA		LIII	[ ]	(WSSS)	[ ]		[ ]		[ ]	EUR/NAT (LO)
XX	ICAO	AY		WSSS	[ ]	(WMKK)	[ ]		[ ]		[ ]	APAC (AY)
XX	ICAO	BANGLADESH		VGHS	[ ]	(VABB)	[ ]		[ ]		[ ]	APAC (VG)
XX	ICAO	BELGIUM		LIII	[ ]	(WSSS)	[ ]		[ ]		[ ]	EUR/NAT (EB)
XX	ICAO	BHUTAN		VQPR	[ ]	(VABB)	[ ]		[ ]		[ ]	APAC (VQ)
XX	ICAO	BKPR		VHHH	[ ]	(WSSS)	[ ]		[ ]		[ ]	EUR/NAT (BK)
XX	ICAO	BOLIVIA		VHHH	[ ]	(WSSS)	[ ]		[ ]		[ ]	SAM (SL)

Report

Export

### **3. AMC Tools (AMC Website Demonstration)**

#### **❖ AMC COM Charts**

- **EUR/NAT**
- **AFI**
- **ASIA/PAC**
- **MID**
- **NAM/CAR**
- **SAM**
- **INTERREGIONAL**
- **WORLD MAP**



## **4. SOP for updating AMC AFTN/AMHS routing table in Asia/Pacific Region**

- **Drafting**
- **Reviewing**
- **finalizing**



Thank  
you