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 6th Meeting of ATNICG Working Group in Hua Hin, Thailand, 22 – 25 September 2009

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

The 6th Meeting of ATNICG 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/auth4ulogin/login

3. AMC Tools (AMC Website Demonstration)

❖ AMC Users

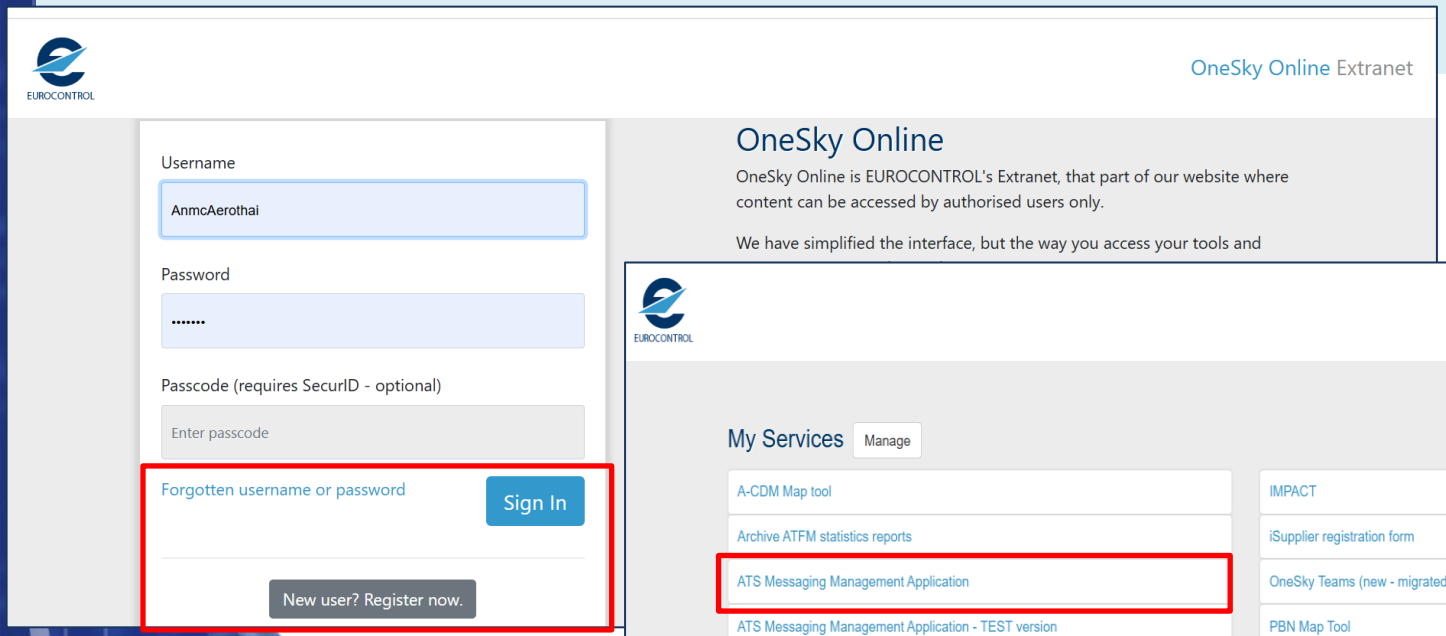
1. **AMC Operator**
2. **CCC Operator**
3. **External Operator**
4. **Read only Users**

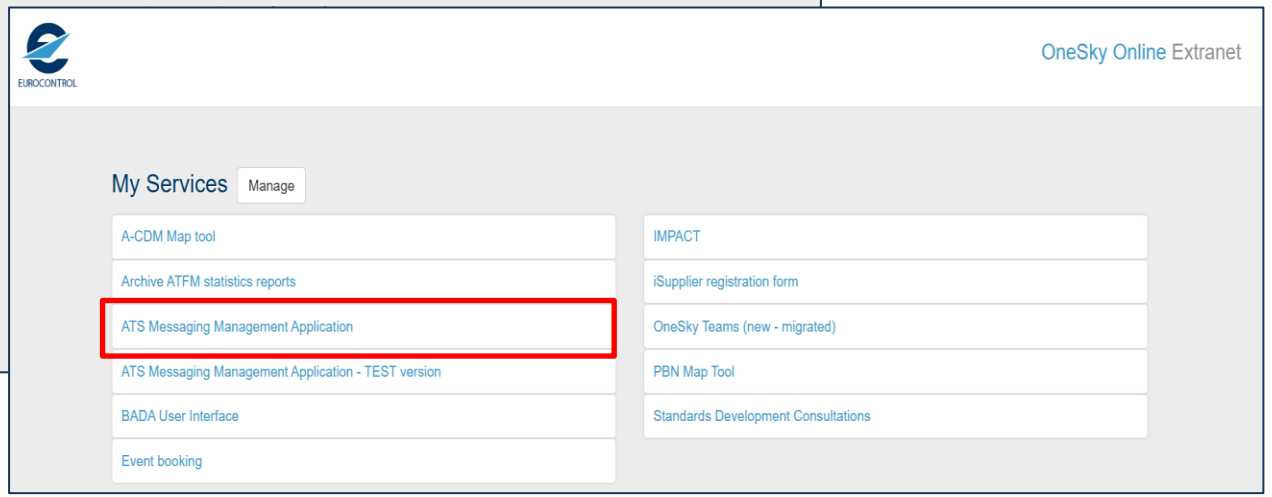
3. AMC Tools (AMC Website Demonstration)

❖ Register to AMC

1. APAC AMC User

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





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)

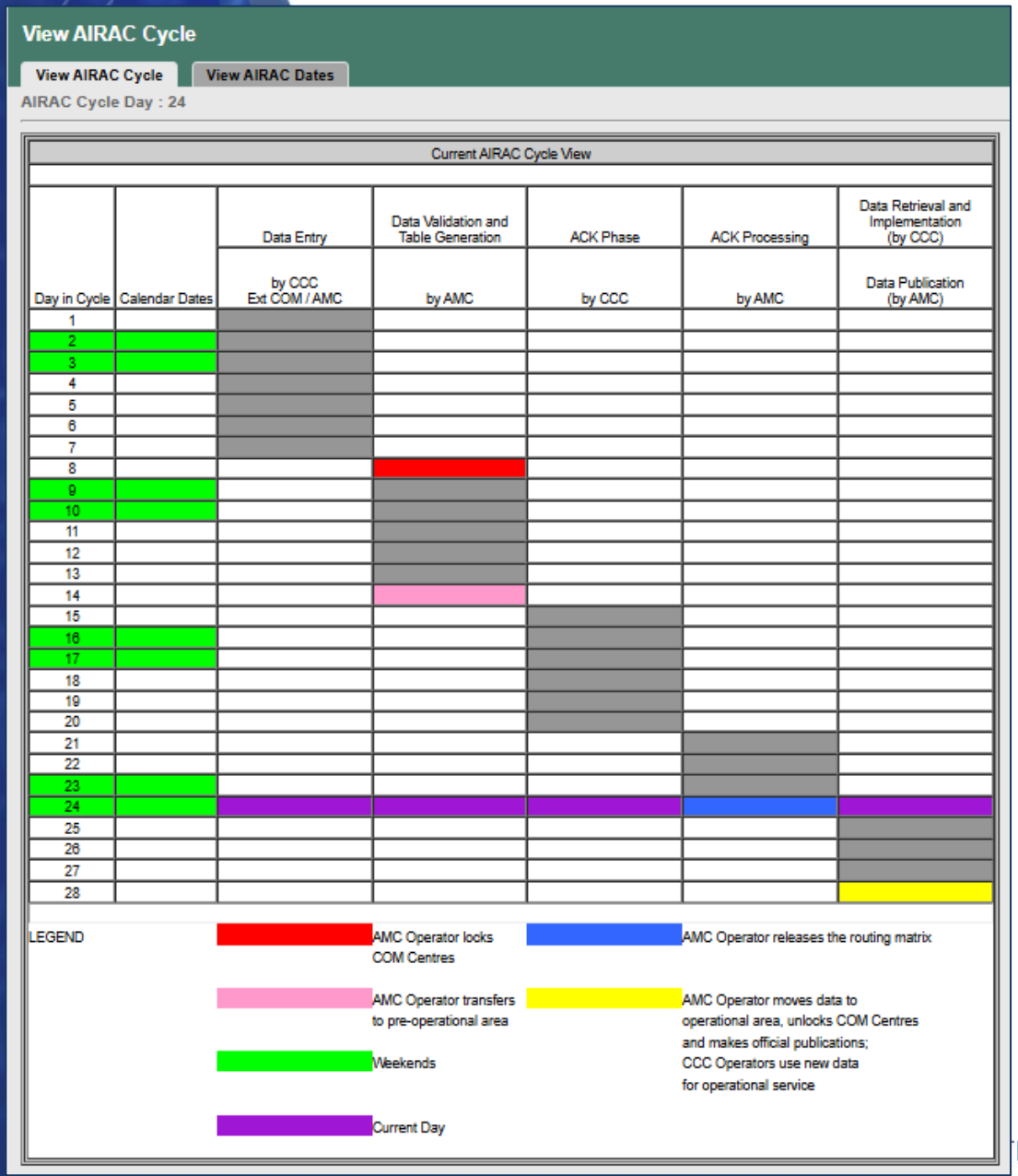
❖ AMC Area

- **Miscellaneous Functions**

  - View Bulletin Board

  - View AIRAC Cycle

3. AMC Tools (AMC Website Demonstration)



- ❖ **AMC Miscellaneous Functions**

- **AMC AIRAC Cycle**

3. AMC Tools (AMC Website Demonstration)

❖ AMC Miscellaneous Functions

▪ AMC Bulletin Board

View Bulletin Board [HELP]

6th March 2025
OPER.273 Day 14

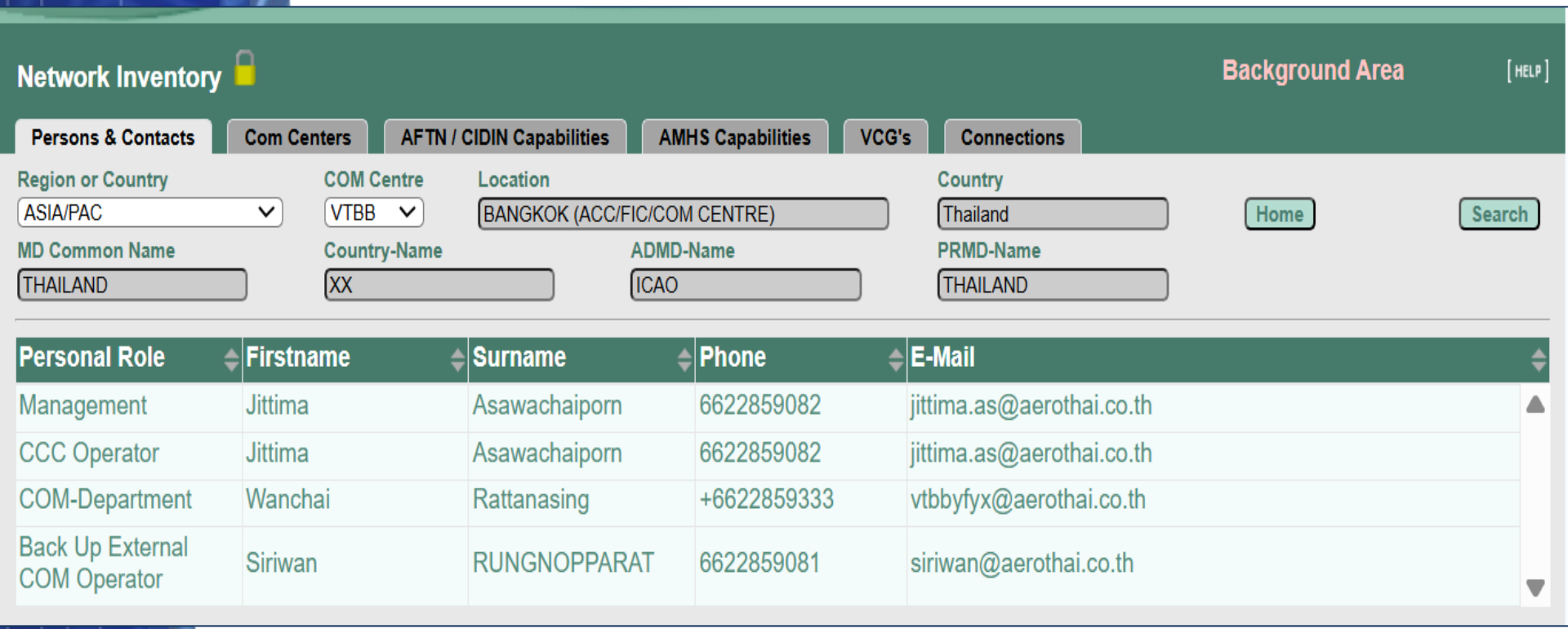
Dear Colleagues,

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



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
Home | Search

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

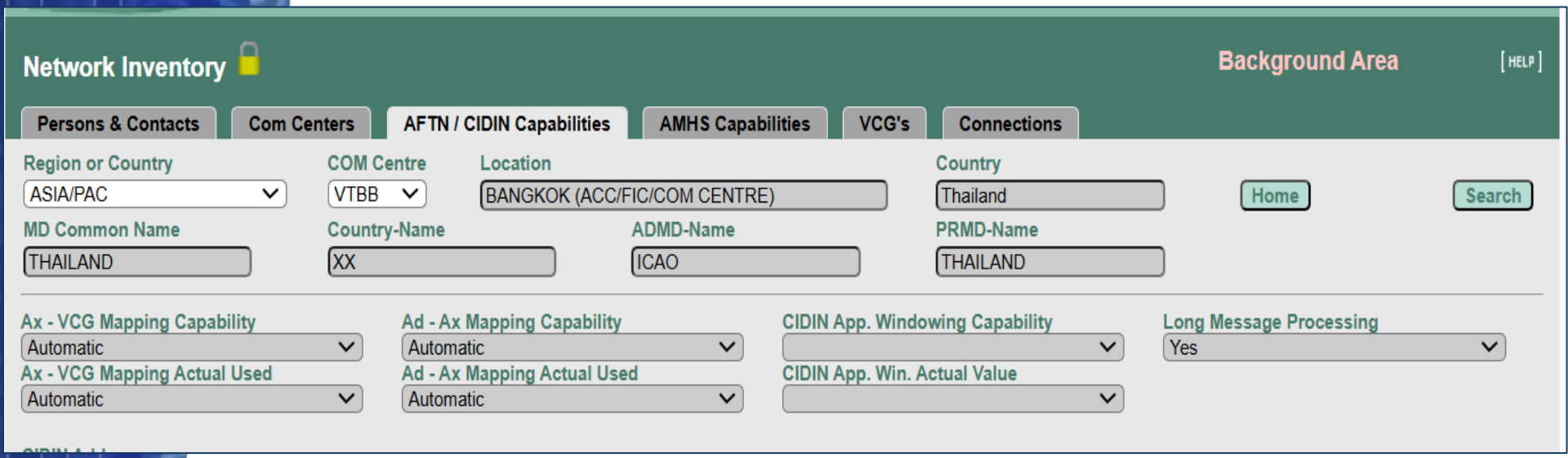
Remark:

Applications

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

3. AMC Tools (AMC Website Demonstration)

❖ AMC Functions: AFTN / CIDIN Capabilities



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: ASIA/PAC
COM Centre: VTBB
Location: BANGKOK (ACC/FIC/COM CENTRE)
Country: Thailand
Home | Search

MD Common Name: THAILAND
Country-Name: XX
ADMD-Name: ICAO
PRMD-Name: THAILAND

MTA Name: MTA-VTBB-1
Maximum Content Length: 16000
Extended Encoded Information Types in Support of:
- [x] IA5
- [x] FTBP
- [x] General Text Body Part(ISO 646)
- [x] General Text Body Part(ISO 8859-1)

[x] ATS Message Server

Messages Lifetime (Minutes):
Urgent: 2880 | Non Urgent: 2880
Normal: 2880 | Report: 2880

[x] AFTN/AMHS Gateway
Currently Authorized Message Length: 5000
Maximum Number of Addresses: 500
Converted General-Text Body Parts
- [ ] ISO 646
- [ ] ISO 8859-1

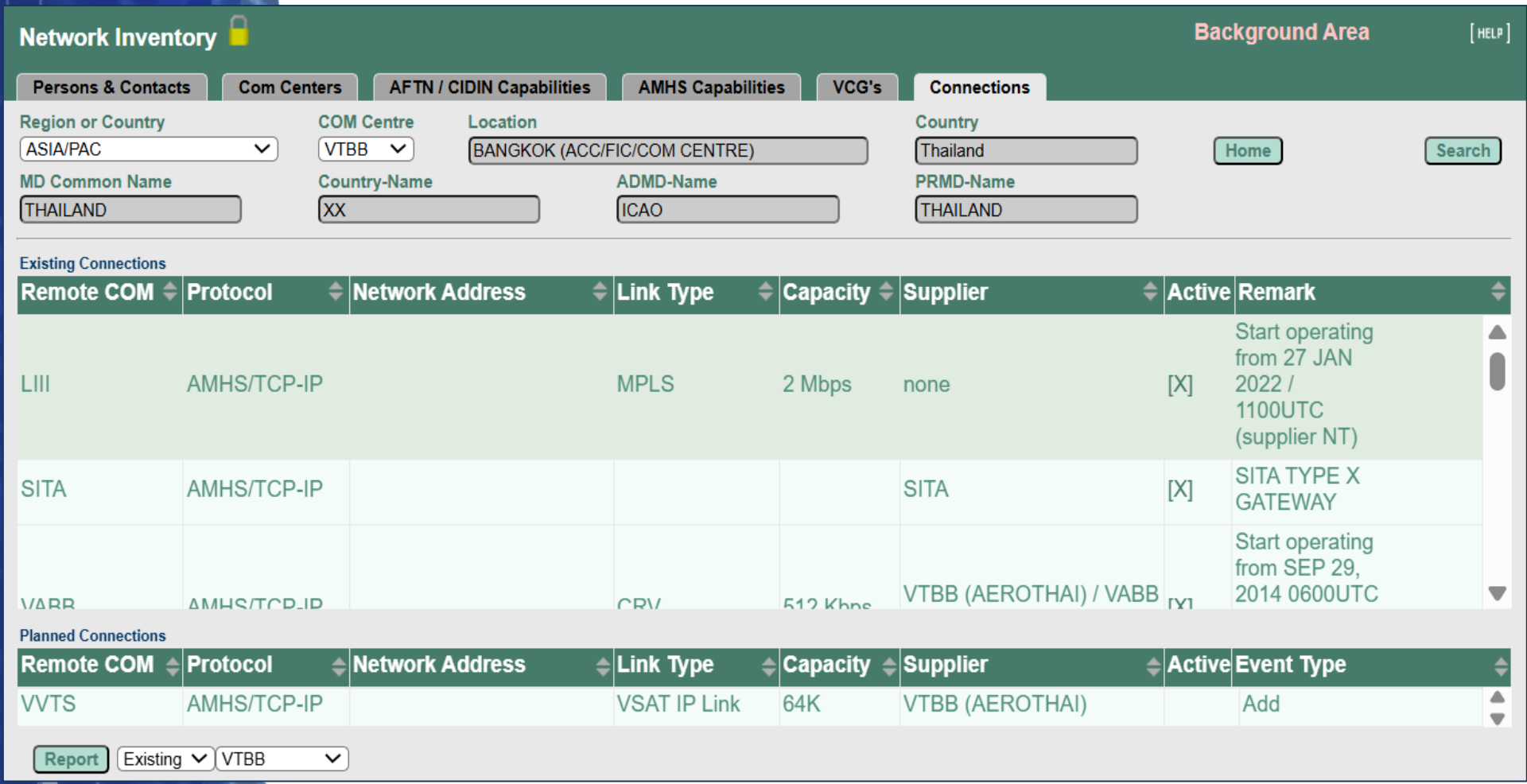
Operational Status: OP

Protocol Capabilities

Protocol	P-SEL	S-SEL	T-SEL	Network Address (NSAP or IP)	Active
AMHS			MHS	10.1.95.11	[X]
AMHS/TCP-IP			MHS	10.1.95.11	[X]

3. AMC Tools (AMC Website Demonstration)

❖ AMC Functions: Connections



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	
ASIA/PAC	VTBB	BANGKOK (ACC/FIC/COM CENTI	Thailand	Home	OPER.273	Search

MD Common Name	Country-Name	ADMD-Name	PRMD-Name	Matrix Status	
THAILAND	XX	ICAO	THAILAND	Proposed	Extended

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 CENTI | 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		
C	ADMD	PRMD	O	COM	M	COM	M	COM	M	COM	M	Comments
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