

P7- AMC : ATS Messaging Management Centre

ICAO Regional OPMET Centre (ROC) Workshop
Jeddah, Saudi Arabia, 31. August-1. September 2014

SICHERHEIT LIEGT IN DER LUFT



Agenda



- ▶ Documentation and Functions
- ▶ AMC Website
- ▶ Benefits

ATS Messaging Management Centre (AMC)



- ▶ ICAO EUR DOC 021 [ATS Messaging Management Manual](#)
- ▶ Centralized AFTN/CIDIN/AMHS Network Offline-Management

AMC Functions (1)

- ▶ Network Inventory
 - COM Centres
 - Connections
 - Capabilities
 - Persons & contacts

- ▶ Routing Directory
 - AFTN Routing Table
 - CIDIN Routing Table
 - AMHS Routing Table

AMC Functions (2)

- ▶ AMHS Address Management
 - Global MD Registry
 - Global CAAS Tables
 - Exceptional User Addresses

- ▶ AMHS User Capabilities Management
 - Content length
 - Body Part type & encoding

- ▶ AMHS Implementation support

AMC - Roles

- ▶ AMC Operator
 - Responsible for overall operation and procedures
 - Focal point

- ▶ AMC Users
 - Personnel from COM Centres
 - ANSP personnel implementing AMHS

AMC Users (1)

- ▶ CCC Operator (Cooperating COM Centre)
 - Manages data of his COM Centre
 - Persons & contacts
 - Connections
 - Capabilities
 - Routing Tables
 - AMHS Addresses
 - Follows the AIRAC Cycle
 - Submit changes
 - Acknowledge future changes
 - Implement changes at AIRAC date

AMC Users (2)

- ▶ External COM Operator
 - Manages data of his COM Centre
 - Persons & contacts
 - Connections
 - Capabilities
 - AMHS Addresses
 - Follows the AIRAC Cycle
 - Download AMHS Address Tables

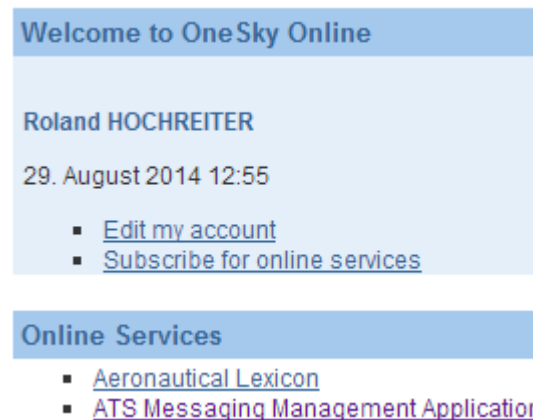
AMC Users (3)

- ▶ AMF-I User
 - Use AMHS Implementation Support Functions
 - Can collect some of the data

- ▶ Read/Only User
 - Can collect some of the data

AMC Website (1)

- ▶ Access via the Eurocontrol Portal “One Sky Online”
 - <https://extranet.eurocontrol.int/>



- ▶ <https://extranet.eurocontrol.int/http://webprisme.cfm.eurocontrol.int/amc/>

AMC Website – AFTN Routing Table



View Operational Data

- Network Inventory
- Routing Directory**
- Address Management
- User Capabilities Management
- Statistics
- Static Report
- COM Charts

View Pre-Operational Data

- Network Inventory
- Routing Directory and ACK
- Address Management
- User Capabilities Management
- Statistics
- Static Report (updated data)

Enter Background Data

- Network Inventory
- Address Management
- User Capabilities Management
- Statistics

Miscellaneous Functions

- Support Functions

Routing Directory

AFTN Routing Table **CIDIN Routing Table** **AMHS Routing Table**

Region: EUR/NAT COM Centre: LOOO Location: COM CENTRE WIEN Country: Austria

MD Common Name: AUSTRIA Country-Name: XX ADMD-Name: ICAO

Destination	Existing Main	MTCU	Existing Altn	MTCU
LW	LGGA	☐	LBSFA	☐
LX		☒		☐
LY	LYYY	☐	LGGA	☐
LZ		☒		☐
M		☒	LEEA	☐
N	LIITA	☐		☒
O*	LCNA	☐	LGGA	☐
OS	LGGA	☐	LCNA	☐
P		☒	(LPPTA)	☐
R		☒		☐
S	LEEA	☐		☒
T		☒	LEEA	☐
U*	UUUA	☐		☐
UK	LKPR	☐	UUUA	☐

AMC Website – CIDIN Routing Table



View Operational Data

- ▶ Network Inventory
- ▶ **Routing Directory**
- ▶ Address Management
- ▶ User Capabilities Management
- ▶ Statistics
- ▶ Static Report
- ▶ COM Charts

View Pre-Operational Data

- ▶ Network Inventory
- ▶ Routing Directory and ACK
- ▶ Address Management
- ▶ User Capabilities Management
- ▶ Statistics
- ▶ Static Report (updated data)

Enter Background Data

- ▶ Network Inventory
- ▶ Address Management
- ▶ User Capabilities Management
- ▶ Statistics

Miscellaneous Functions

- ▶ Support Functions

Routing Directory

AFTN Routing Table **CIDIN Routing Table** **AMHS Routing Table**

Region: EUR/NAT ▼ COM Centre: LOOO ▼ Location: COM CENTRE WIEN Country: Austria

MD Common Name: AUSTRIA Country-Name: XX ADMD-N: ICAO

Exit Address	Existing Main	Existing Altn
LDDD	LDDD	LIII
LEEE	LGCG	EDDD
LFLF	EDDD	LIII
LFPY	EDDD	LIII
LGCG	LGCG	LCNC
LIII	LIII	LGCG
LKPR	LKPR	EDDD
LLBG	LCNC	LGCG
LPPT	LGCG	EDDD
LRBB	LZIB	LGCG
LSSS	LIII	EDDD
LTAC	LGCG	LIII
LZIB	LZIB	LKPR
ULLL	EDDD	LGCG
UUUU	EDDD	LGCG

AMC Website – AMHS Routing Table



View Operational Data

- ▶ Network Inventory
- ▶ **Routing Directory**
- ▶ Address Management
- ▶ User Capabilities Management
- ▶ Statistics
- ▶ Static Report
- ▶ COM Charts

View Pre-Operational Data

- ▶ Network Inventory
- ▶ Routing Directory and ACK
- ▶ Address Management
- ▶ User Capabilities Management
- ▶ Statistics
- ▶ Static Report (updated data)

Enter Background Data

- ▶ Network Inventory
- ▶ Address Management
- ▶ User Capabilities Management
- ▶ Statistics

Miscellaneous Functions

- ▶ Support Functions

Routing Directory

AFTN Routing Table
CIDIN Routing Table
AMHS Routing Table

Region
EUR/NAT ▼

COM Centre
LOOO ▼

Location
COM CENTRE WIEN

Country
Austria

MD Common Name
AUSTRIA

Country-Name
XX

ADMD-Name
ICAO

Destination				Existing Main		Existing Alternate	
C	ADMD	PRMD	O	COM	M	COM	M
XX	ICAO	AG		EGGG	☐		☒
XX	ICAO	AN		EGGG	☐		☒
XX	ICAO	ANSA BH		LQQQ	☐		☒
XX	ICAO	AUSTRALIA		EGGG	☐		☒
XX	ICAO	AUSTRIA			☒		☐
XX	ICAO	AY		EGGG	☐		☒
XX	ICAO	BELGIUM		LSSS	☐		☐
XX	ICAO	BI			☒	EGGG	☐
XX	ICAO	BKPR			☒	EGGG	☐
XX	ICAO	BOLIVIA			☒	EGGG	☐
XX	ICAO	C		EGGG	☐	LPPT	☐
XX	ICAO	CAMBODIA		EGGG	☐		☒
XX	ICAO	CHILE			☒	EGGG	☐

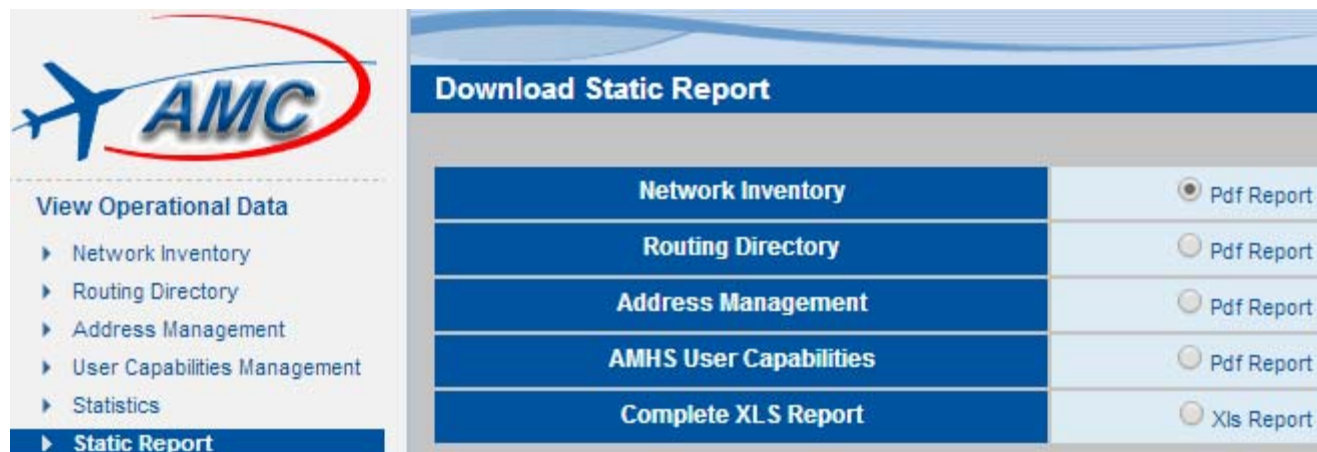
AMC Website – AMHS Addresses

► Download as CSV files

```
1.1;AmhsMdRegister;OPER136;21.08.2014 11:00:00;Operational;;29.08.2014 11:23:55
Name;Nationality Letters;country-name;ADMD-name;PRMD-name;Addressing scheme;ATNDir;Comments
Afghanistan;OA;XX;ICAO;OA;XF;c=AF;
Alaska (United States);PA;XX;ICAO;PA;XF;c=US;
Alaska (United States);PF;XX;ICAO;PF;XF;c=US;
Alaska (United States);PO;XX;ICAO;PO;XF;c=US;
Alaska (United States);PP;XX;ICAO;PP;XF;c=US;
Albania;LA;XX;ICAO;LA;XF;c=AL;
Algeria;DA;XX;ICAO;DA;CAAS;c=DZ;
American Samoa;NSAS;XX;ICAO;NST;XF;c=AS;
American Samoa;NSFQ;XX;ICAO;NST;XF;c=AS;
American Samoa;NSTU;XX;ICAO;NST;XF;c=AS;
Angola;FN;XX;ICAO;FN;XF;c=AO;
Anguilla;TQ;XX;ICAO;TQ;XF;c=AI;
Antigua and Barbuda;TA;XX;ICAO;TA;XF;c=AG;
Areas Under the Control of the Palestinian Authority;LV;XX;ICAO;LV;XF;c=PS;
Argentina;SA;XX;ICAO;SA;CAAS;c=AR;
Armenia;UD;XX;ICAO;UD;XF;c=AM;
Aruba;TNCA;XX;ICAO;TNCA;XF;c=AW;
Ascension I. (U.K.);FH;XX;ICAO;FH;XF;c=SH;
Australia;Y*;XX;ICAO;AUSTRALIA;CAAS;c=AU;
Austria;LO;XX;ICAO;AUSTRIA;CAAS;c=AT;
Azerbaijan;UB;XX;ICAO;UB;XF;c=AZ;
```

AMC Website – Static Report

- ▶ Download all tables as PDF files



The screenshot displays the AMC website interface. On the left, there is a sidebar with the AMC logo (a blue airplane icon and the text 'AMC' in blue) and a section titled 'View Operational Data'. This section contains a list of links: 'Network Inventory', 'Routing Directory', 'Address Management', 'User Capabilities Management', 'Statistics', and 'Static Report' (which is highlighted with a blue background). The main content area on the right is titled 'Download Static Report' in a blue header. Below this header, there is a table with five rows, each representing a different report type. Each row has a blue button on the left and a radio button followed by the report type on the right.

Download Static Report	
Network Inventory	☒ Pdf Report
Routing Directory	☐ Pdf Report
Address Management	☐ Pdf Report
AMHS User Capabilities	☐ Pdf Report
Complete XLS Report	☐ Xls Report

AMC Cycle

▶ 28 Day Cycle

- Data Entry Phase
- Data Validation Phase
- Acknowledgement Phase
- Acknowledgement Processing
- Data Retrieval and Implementation on AIRAC date

AMC Benefits

- ▶ Consistent Routing Tables in EUR/NAT Region
 - Main route
 - Alternate route
- ▶ No Bilateral/Multilateral arrangements needed
- ▶ Up-To-Date AMHS Address Tables
 - Change mechanisms
- ▶ AIRAC Cycle
 - predictable