



*International Civil Aviation Organization*

**Aeronautical Telecommunication Network/Internet  
Protocol Suite Working Group**

**Fifth Meeting (ATN/IPS WG/5)  
(Cairo, Egypt, 11-13 March 2013)**

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**Agenda Item 3: Follow-up the progress of MID Region ATS Message Management  
Centre (MID AMC) Project**

**MID AMC PROJECT PROGRESS**

*(Presented by the Secretariat)*

**SUMMARY**

This paper provides progress and update on the MID ATS Message Management (AMC) Project establishment and operations and request MID States to use the system.

Action by the meeting is at paragraph 3.

**REFERENCES**

- CNS SG/5
- MIDANPIRG/13 Report

**1. INTRODUCTION**

1.1 The transition from the ageing aeronautical fixed telecommunication network (AFTN) to the AMHS is under way and continuing at a good pace. For the orderly operation of the AMHS on a global scale, it is necessary to coordinate and synchronize the allocation of AMHS addresses. In response to this, ICAO, in cooperation with the European Organisation for the Safety of Air Navigation (EUROCONTROL), has established procedures for the coordination and synchronization of AMHS addresses in the short- to medium-term.

1.2 ICAO MID Region took the lead for the long-term, for the establishment of MID – AMC management centre in the ICAO MID Region and also developed synchronization procedure the EUROCONTROL.

**2. DISCUSSION**

2.1 The meeting may wish to recall that state-of-the-art ATS Messaging Handling System (AMHS) has been installed and commissioned in most of the MID states, to replace the obsolete AFTN/CIDIN; new international AMHS links replaced AFTN/CIDIN connection. The introduction of AMHS makes the routing update process complicated and the need for an automated tool with

centralized management is imperative. In this regards, the European AMC is being used in EUR/NAT Region for ensuring optimum consistent routes. Consequently, MIDANPIRG/12 agreed to establish a similar regional project MID ATS Messaging Management Centre (MID-AMC), to be hosted and led by Jordan.

2.2 The meeting may wish to note the MID AMC Project activities divided into two phases which correspond to the goals of the project, the first is the development of AMF-I and some AMF-O functions (network inventory, address management), and Phase two focused on the Routing function development to fulfill the main objective of the project, and these two phases has been successfully completed and the system has been accepted also trials commenced, where the CNS SG/5 Meeting congratulated Jordan for the achievement.

2.3 The meeting may further wish to note that in order to establish a consistency among the Master AMC (EUR-AMC) and MID-AMC, a meeting between MID-AMC team and EUROCONTROL was held were agreements on Synchronization protocol procedure between two AMCs was concluded, also other operational and administration issues were resolved.

2.4 The meeting recalled ATN/IPS WG/4 agreement on the Synchronization protocol procedure, where EUROCONTROL will no more accept new users from the MID Region and MID – AMC has to create all Regional users.

2.5 The meeting may wish to further recall that the ATN/IPS WG/4 Meeting as a follow-up to MIDANPIRG/13 Conclusion 13/27 *Conclusion 13/27: MID-ATS Message Management Centre (AMC) Project* developed Memorandum of Agreement (MOA) and proposed establishment of MID-AMC Board to be responsible for the MID-AMC operation and developed Terms of Reference (TOR) for the MID-AMC board. The CNS SG/5 Meeting reviewed the MOA and agreed with the content and noted that some MID States already signed the MOA as at **Appendix A** to this working paper.

2.6 The CNS SG/5 Meeting noted that some States require more time to sign the MOA, although the technical experts are fully supporting the MOA. In order to reflect concerns of some States on the MOA, the CNS SG/5 agreed that since some States already signed the MOA, the appropriate process to capture all concerns on the MOA in the TOR of the MID-AMC Board. Accordingly, CNS SG/5 Meeting reviewed and updated the TOR of the MID-AMC Board as at **Appendix B** to this working paper.

2.7 Based on the above, the CNS SG/5 Meeting agreed that all State start using the MID-AMC, also agreed to the following Draft Conclusion and Decision:

*DRAFT CONCLUSION 5/2: MID-AMC OPERATION*

*That,*

- a) all MID States start using MID-AMC as of 12 December 2012 and provide feedback to ICAO MID Regional Office and MID-AMC-Project manager;*
- b) States nominate three MID-AMC users; and*
- c) concerned States sign the MOA as at **Appendix 3C (Appendix A to this working paper)** to the Report on Agenda Item 3 by 1 March 2013*

*DRAFT DECISION 5/3: ESTABLISHMENT OF MID-AMC BOARD*

*That, MID-AMC Board is established with TOR as at **Appendix 3D (Appendix B to this working paper)** to the Report on Agenda Item 3.*

2.8 The CNS SG/5 Meeting reviewed and updated the MID AFTN/CIDN routing directory as at at **Appendix C** to this working paper and requested all MID States to provide the updates by 31 December 2012 to ICAO MID Regional Office and MID-AMC. The CNS SG/5 Meeting agreed that the updated directory be published on the ICAO MID Regional Office website and used by the MID-AMC.

### **3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) provide update on draft conclusion in para 2.7 on using the MID-AMC;
- b) review and update the TOR of MID-AMC Board as necessary; and
- c) provide updates on the routing directory in **Appendix C** to this working paper;

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APPENDIX A

**Middle East Regional ATS Messaging  
Management Center  
(MID AMC)**

**MEMORANDUM  
OF AGREEMENT**

**Jordan - May, 2012**

MEMORANDUM OF  
AGREEMENT

On the establishment, operation and management of the  
Middle East Regional ATS Messaging Management  
Center (MID AMC) fully funded by Jordan

1. PARTIES

1.1 The Parties to this memorandum of agreement are: Bahrain, Egypt, Iran, Iraq, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, UAE and Yemen. and any other ICAO MID Region States

2. AGREEMENT

- CONSIDERING the urgent need to institute a programme, on a regional basis, for a high quality AFS network and efficient data exchange.
- CONSIDERING the Parties' earlier decision that the Middle East Regional ATS Messaging Management Center (MID AMC) will be funded by Jordan.

The Parties have agreed as follows:

1. The Preamble, MIDANPIRG/13 Conclusion 13/27 and CARC's Letter No. 22/1000/11/2926 dated 3/August/2011 hereto shall constitute an integral part of this Memorandum of Agreement.
2. The Parties to this memorandum of agreement, referred to hereunder as Participating States agree to establish the Middle East Regional ATS Messaging Management Center (MID AMC) and undertake to become its members;
3. The MID AMC shall be managed as a Regional programme; shall have legal personality and shall act through the MID AMC Board;
4. The overall objective of the MID AMC is the promotion of efficiency and safety of air navigation in the Middle East Region through the operation and management, on a sound and efficient basis, of a permanent MID Regional ATS Messaging Management Center;
5. The MID AMC Board, in which each Participating State is entitled to appoint one member (technical), shall retain overall direction and responsibility for the supervision and operation of the MID AMC in accordance with the relevant obligations of the Participating States. The Board shall elect its chairman. It shall inter-alia, supervise and direct the MID AMC, follow-up its activities and reports and assign its priorities;
6. The MID AMC's scope, duties and responsibilities will be those agreed by the Board's first meeting and could be revised by the Board. The MID AMC will be assigned clear tasks in a step-by-step approach starting with MID AMC establishment. The MID AMC duties and responsibilities will include, but will not be limited to the following:

Collecting and analyzing ATS Messaging data received from MID States as well as from European AMC;

Establishing a consistency among data from EUROPEAN AMC to the MID AMC and vice versa;

Ensuring the continuous harmonization of data over an AIRAC cycle

Propose optimum routing based one regional change

Create access accounts and authorization according to regional procedure

Create necessary reports and documents

Submit a report to each Board meeting on MID AMC activities;

7. The Participating States have accepted Jordan's offer to host the MID AMC in Jordan to enable the early establishment and functioning of the MID AMC; for which participating States will not be charged
8. Jordan will provide the offices, software, equipment and local personnel needed for the MID AMC operations and pay for the set up of the MID AMC; at no charge to MID States
9. In case of the need for the MID AMC enhancement or addition for any service it will be decided by the board for the requirement and cost which may be borne by Participating States on equal basis ;
10. The MID AMC staff shall be composed of and provided and funded by Jordan:
  1. MID AMC Project Manager (Full Time)
  2. MID AMC Project Assistant (Full Time)
  3. Five MID AMC operators (Full Time)
11. The MID AMC Project Manager shall manage the project on day-to-day basis and effect coordination with the Chairman of the MID AMC Board. He/She shall submit the MID AMC reports to the Board with copies to the ICAO Regional Office in Cairo;
12. This Memorandum of Agreement shall come into effect on the date it has been signed by the Participating States;
13. Any amendment to this Memorandum of Agreement, shall be carried out by the parties to this Memorandum of Agreement;
14. Any dispute arising out of or relating to this Memorandum of Agreement, shall be settled by direct consultation between the Participating States concerned; and within the framework of MIDANPIRG

15. Any Participating State may withdraw from this Memorandum of Agreement by giving a prior written notice of six (6) months to the MID AMC Board. The obligations assumed by the Participating States under this Memorandum of Agreement shall continue to exist after the withdrawal from this Memorandum of Agreement to the extent necessary to permit the orderly finalization of activities, the withdrawal of personnel, the distribution of funds and assets and the settlement of contractual obligations. Additional funds, if necessary, to cover the above mentioned expenditures shall be provided by the Participating States.
16. The hosting of the MID AMC by Jordan may be terminated at the request of Jordan, with two years advance written notification to the MID AMC Board to allow sufficient time for selection of an alternative location and necessary arrangements for setting up a new MID AMC.
17. All correspondence relating to the implementation of this Agreement shall be addressed to:

MID AMC  
Chairman of the MID AMC  
Civil Aviation Regulatory  
Commission P.O. Box 7547  
Amman Jordan

With copy to the:

ICAO Regional Director  
ICAO Middle East Regional Office  
Egyptian Civil Aviation Complex, Airport Road  
P.O Box 85, Airport Post office, Terminal One  
11776, Cairo, Egypt

Agreed on behalf of participating States

<b>State</b>	<b>Signature</b>	<b>Title</b>	<b>date</b>
Bahrain			
Egypt			
Iran			
Iraq			
Jordan			
Kuwait			
Lebanon			
Oman			
Qatar			
Saudi Arabia			
Syria			
UAE			
Yemen			

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**APPENDIX B**

**MID-AMC Board TOR**

1. Terms of Reference (TOR)

1.1 The Terms of Reference of the MID AMC board are:

- a) To promote the efficiency and safety of aeronautical fixed services in the MID Region through the operation and management, on a sound and efficient basis, of a permanent MID Regional ATS Messaging Management Center (MID-AMC);
- b) Foster the implementation of the Air traffic service Message handling service in the MID Region through provision of the guidance materials and running facilitation tools, utilizing the MID-AMC

1.2 In order to meet the Terms of reference, the MID-AMC board in coordination with ATN-IPS WG reporting to CNS SG shall:

- a) Develop a credential procedure for all users on the MID-AMC;
- b) develop and maintain guidance materials for MID-AMC users.
- c) discuss and identify solution for operational problems may be arising.
- d) provide support/guidance to states for AMHS Implementation, and monitor the AMHS activities.
- e) assist and encourage states to conduct trial on Implementation of the ATS extended services, and identify operational requirements.
- f) identify the need for any enhancement for the MID AMC and prepare functional and technical specifications, and define its financial implications;
- g) follow-up on ICAO standards and recommendations on the ATS messaging management
- h) define future liabilities and new participating States and ANSPs
- i) follow-up and review the work of similar groups in other ICAO Regions.

2. Composition

All MID States and other representatives, who could contribute to the activity of the board, could be invited to participate as observers.

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INTERNATIONAL CIVIL AVIATION ORGANIZATION  
MIDDLE EAST OFFICE

# **Routing Directory for AFTN and CIDIN Centres in the MID Region**

## Table of COM Centres

(listed in alphabetical order by COM Centre location indicator)

Location Indicator	Located	State	Table name
HECA	Cairo	Egypt	HECA
OAKB	Kabul	Afganistan	OAKB
OBBI	Bahrain	Bahrain	OBBI
OEJD	Jeddah	Saudi Arabia	OEJD
OIII	Tehran	Iran	OIII
OJAM	Amman	Jordan	OJAM
OKBK	Kuwait	Kuwait	OKBK
OLBA	Beirut	Lebanon	OLBA
OMAE	Abu Dhabi	U.A.E.	OMAE
OOMS	Muscat	Oman	OOMS
OPKC	Karachi	Pakistan	OPKC
ORBI	Bagdad	Iraq	ORBI
OSDI	Damascus	Syria	OSDI
OTBD	Doha	Qatar	OTBD
OYSN	Sanaa	Yemen	OYSN

(listed in alphabetical order by State name)

State	Location Indicator	Located	Table name
Afganistan	OAKB	Kabul	OAKB
Bahrain	OBBI	Bahrain	OBBI
Egypt	HECA	Cairo	HECA
Iran	OIII	Tehran	OIII
Iraq	ORBI	Bagdad	ORBI
Jordan	OJAM	Amman	OJAM
Kuwait	OKBK	Kuwait	OKBK
Lebanon	OLBA	Beirut	OLBA
Oman	OOMS	Muscat	OOMS
Pakistan	OPKC	Karachi	OPKC
Qatar	OTBD	Doha	OTBD
Saudi Arabia	OEJD	Jeddah	OEJD
Syria	OSDI	Damascus	OSDI
U.A.E.	OMAE	Abu Dhabi	OMAE
Yemen	OYSN	Sanaa	OYSN

## 1. Explanation of the Tables

(Remark: All tables show examples and do not reflect the real situation)

### 1.1. Information (COM Centre Characteristic Table)

The COM Centre Characteristic Table gives an overview about operational, technical and administrative information of the COM Centre itself.

### 1.2. AFTN Routing table

Desti- nation	Actual Main	Actual Altn.	Planned Main	Planned Altn.	Desti- nation	Actual Main	Actual Altn.	Planned Main	Planned Altn.
A	WS	OO			OA	WS	OO		
B	LCNCA	(OE)			OB	N	N		
C	LCNCA	(OE)			OE*	OE	OO		
D*	OE	OO			OED	OED	(OE)		
DT	HE	(LCNCA)	HECAA	LCNCA	OI	OI	OM		

**Desti-  
nation** First letters of an AFTN address (8 letter address) relevant for the Routing  
**D\*** All destination addresses starting with D except those indicated directly below (DT)  
**DT** Destination addresses starting with DT

**Actual  
Main** Actual main outgoing AFTN circuit or CIDIN Ax for this Destination address used actual in the AFTN/CIDIN Centre  
**WS** Represents the outgoing AFTN circuit  
**LCNCA** Defined Exit address (Ax) for the Destination address (Ad) starting with these letters  
**N** Represents the national Routing responsibility

**Actual  
Altn.** Alternate outgoing AFTN circuit or CIDIN Ax for this Destination address used if the Main is not available.  
**(OE)** Represents the outgoing AFTN circuit as Alternate  
**(LCNCA)** Defined the Exit address (Ax) as alternate for the Destination address (Ad)  
**N** Represents the national Routing responsibility

(Terms in brackets: For the use of the Exit Address or the AFTN circuit as alternate, co-ordination is required.)

**Planned  
Main** Planned to replace the Actual Main in the future on a defined date  
**Planned  
Altn.** Planned to replace the Actual Alternate in the future on a defined date

### 1.3. CIDIN Routing Table

CIDIN Exit Address	Actual Main VCG	Actual Altn. VCG	Planned Main VCG	Planned Altn. VCG	CIDIN Exit Address	Actual Main VCG	Actual Altn. VCG	Planned Main VCG	Planned Altn. VCG
HECA_	OLBA	LCNC	HECA	OLBA					
LCNC_	LCNC	OLBA							

**CIDIN Exit  
Address** First four letters of the Exit addresses (Ax) relevant for the selection of connection to be used.

**Actual  
Main VCG** Shows the first outgoing direction (main connection path to an adjacent COM Centre) used at first or reaching the Exit centre (Ax). This path is represented by a Virtual Circuit Group (VCG), see 5.4.

**Actual  
Altn. VCG** Shows the alternate outgoing direction (main connection path to an other adjacent COM Centre) used in case of unavailability of the main VCG for reaching the Exit centre (Ax). This path is represented by a Virtual Circuit Group (VCG), see 5.4.

(Terms in brackets: For the use of the Actual Alternate VCG, co-ordination is required.)

**Planned  
Main VCG** Planned to replace the Actual Main VCG in the future on a defined date.  
**Planned  
Altn. VCG** Planned to replace the Actual Alternate VCG in the future on a defined date.

## 1.4. Virtual Circuit Groups (VCG)

Actual VCG	Actual Prim.VC	Actual Secondary VC's		
LCNC	LCNC1			
OLBA	OLBA			

Planned VCG	Planned Prim.VC	Planned Secondary VC's		
HECA	HECA1			
		OLBA		

### Actual VCG

A Virtual Circuit Group consists of a number of Virtual Circuits (VC) that connect two, and only two CIDIN Centres. A Primary-type VC is always present and a Secondary-type VC is optional. Within this group, the selection of the VC is local matter. VC groups form redundant connections between adjacent CIDIN Centres.

### Actual Primary VC

Primary Virtual Circuit, established actual either as a PVC (Permanent Virtual Circuit) or SVC (Switched Virtual Circuit). In case of SVC no Secondary Virtual Circuits are recommended.

### Actual Secondary VC's

Actual Secondary VC's: Secondary Virtual Circuits, established actual either as a set of PVC (Permanent Virtual Circuit) and/or a SVC (Switched Virtual Circuit). There is no maximum limit to the number of PVC's forming a VCG.

### Planned Primary VC

The planned Primary Virtual Circuit will replace the Actual Primary VC in the future on a planned date.

### Planned Secondary VC's

The planned Secondary Virtual Circuits will replace the Actual Alternate VC (see below).

## 1.5. Circuit Characteristics

Situation recorded in Nov 1998		
Link to	Protocol	Capacity (bps)
HECA	AFTN	2 x 2.4k
OLBA	CIDIN	1 x 9.6k
OKBK	AFTN	1 x 300
OOMS	AFTN	1 x 50
VTBB	AFTN	1 x 2.4k

Planned		
Protocol	Capacity (bps)	"O" date
CIDIN	1 x 9.6k	TBD

**Link to** Connection to the COM Centre represented by the location indicator.

**Protocol** Protocol used actual on this link (conventional AFTN, AFTN over X.25, CIDIN via PVC or CIDIN via SVC).

**Capacity (bps)** Actual capacity available (bit per seconds). An asterisk (\*) indicates a network connection.

**Planned Protocol** Protocol planned to be used on the upgraded/new link.

**Capacity (bps)** Planned capacity of the link (bit per seconds).

**"O" date** Planned operational date of the upgraded/new link.

# OBBI - Bahrain - Bahrain

## Information

Operator:	
Phone:	+973 17321185
- -	+973 17321184
Fax:	+973 17321905
Telex:	---
Email:	<a href="mailto:caacomms@caa.gov.bh">caacomms@caa.gov.bh</a>
AFTN:	OBBIYFYX
CIDIN/AFTN:	OBIM
CIDIN/OPMET:	---
SITA:	BAHAPYF

Technical operator:	
Phone:	+973 17329004
- -	+973 17329005
Fax:	+973 17321905
Telex:	---
Email:	<a href="mailto:sysops@caa.gov.bh">sysops@caa.gov.bh</a>
AFTN:	OBBIYFYX
CIDIN/AFTN:	OBIM
CIDIN/OPMET:	---
SITA:	BAHAPYF

Supervisor:	
Name:	EBRAHIM ALQASIMI
Phone:	+973 17321186
Fax:	+973 17329966
Telex:	
Email:	<a href="mailto:ealqasimi@caa.gov.bh">ealqasimi@caa.gov.bh</a>
AFTN:	OBBIASCS
CIDIN/AFTN:	OBIM
CIDIN/OPMET:	---
SITA:	BAHAPYF

Technical supervisor:	
Name:	SALAH MOHAMED ISMAIL
Phone:	+973 17329003/4
Fax:	+973 17321905
Telex:	---
Email:	<a href="mailto:salahm@caa.gov.bh">salahm@caa.gov.bh</a>
AFTN:	OBBIYFYX
CIDIN/AFTN:	OBIM
CIDIN/OPMET:	---
SITA:	BAHAPYF

Management:	
Name:	MOHAMED ALI SALEH
Phone:	+973 17321187
Fax:	+973 1732996
Telex:	---
Email:	<a href="mailto:masaleh@caa.gov.bh">masaleh@caa.gov.bh</a>
AFTN:	OBBIHACX
CIDIN/AFTN:	OBIM
CIDIN/OPMET:	--
SITA:	BAHAPYF

Postal Address:	
CIVIL AVIATION AFFAIRS	
AIR NAVIGATION DIRECTORATE	
P.O. BOX: 586	
MUHARRAQ	
BAHRAIN	

CIDIN Entry/Exit Addresses:	
AFTN Ae/Ax:	OBBIASCS
AFTN OPM/NM:	OBIM
OPMET Ae/Ax:	
OPMET OPM/NM:	

Other:	

Functions:		
Conv. AFTN	Yes	
CIDIN/AFTN	Yes	
CIDIN/OPMET		
AIS		
MOTNE		
OPMET		
SITA	Yes	





**OBBI - Bahrain - Bahrain**

**Circuit Characteristics**

Situation recorded in October 2011		
Link	Protocol	Capacity (bps)
LCNC	CIDIN	1 x 9.6K
LTAA	AFTN	1 x 50
OEDF	AFTN	1 x 64K
OEJD	CIDIN	1 x 64K
OIII	AFTN	1 x 300
OKBK	AFTN	1 x 64K
OLBA	CIDIN	1 x 9.6K
OMAE	CIDIN	1 x 64K
OOMS	AFTN	1 x 9.6K
OTBD	AFTN	1 x 64K
WSSS	AFTN	1 x 64K

Planned		
Protocol	Capacity (bps)	"O" date
1 x 19K		1QTR 2012
AMHS		1QTR 2012
AFTN	1 X 64K	1QTR 2012
AMHS		1QTR 2012



# HECA - Cairo - Egypt

## Information

Operator:	
Phone:	202 6375639
- -	202 2654006
Fax:	202 2678546
Telex:	202 92443 UN
Email:	
AFTN:	HECAYFYX
CIDIN/AFTN:	HECAM
CIDIN/OPMET:	
SITA:	CAIXYYF

Technical operator:	
Phone:	202 2657829
- -	202 2657923
Fax:	
Telex:	
Email:	
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

Supervisor:	
Name:	ahmed abas
Phone:	202 22657886
Fax:	
Telex:	202 92443 UN
Email:	
AFTN:	HECAYFYS
CIDIN/AFTN:	HECAM
CIDIN/OPMET:	
SITA:	CAIXYYF

Technical supervisor:	
Name:	mahmoud ezzat
Phone:	202 22650781
Fax:	
Telex:	202 92443 UN
Email:	
AFTN:	HECAYFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

Management:	
Name:	mahmoud ramadan
Phone:	20222657959
Fax:	202 22685293
Telex:	
Email:	<a href="mailto:mahmoud.ramadan53@gmail.com">mahmoud.ramadan53@gmail.com</a>
AFTN:	HECAYTYX
CIDIN/AFTN:	HECAM
CIDIN/OPMET:	
SITA:	CAIXYYT

Postal Address:	
National Air Navigation Services	
Company	
Cairo Air Navigation Centre	
Cairo Airport Road	
Cairo, Egypt	

CIDIN Entry/Exit Addresses:	
AFTN Ae/Ax:	HECAA
AFTN OPM/NM:	HECAM
OPMET Ae/Ax:	
OPMET OPM/NM:	

Other:	

Functions:		
Conv. AFTN	Yes	
CIDIN/AFTN	Yes	
CIDIN/OPMET		
AIS		
MOTNE		
OPMET		
SITA	Yes	





# HECA - Cairo - Egypt

## Circuit Characteristics

Situation recorded in October 2011		
Link	Protocol	Capacity (bps)
DTTC	AFTN	1 x 64/9.6 kbps
HKNA	AFTN	1 x 9.6 K
HLLT	AFTN	1 x 9.6 K
HSSS	AFTN	1 x 9.6 K
LGGG	CIDIN	1 x 64/9.6 kbps
LLBG	AFTN	1 x 64/9.6 kbps
OEJD	AMHS/CIDIN	1 x 128/9.6 kbps
OJAM	AFTN	1 x 64/9.6 kbps
OLBA	CIDIN	1 x 9.6 K
OSDI	AFTN	1 x 64/9.6 kbps
HHAS	AFTN	1 x 9.6 K

Planned		
Protocol	Capacity (bps)	"O" date

# OIII - Tehran - Iran

## Information

Operator:	
Phone:	0098 21-91022325
- -	
Fax:	0098 21-6025101
Telex:	213889 EPD IR
Email:	
AFTN:	OIIIFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	THRXTYF

Technical operator:	
Phone:	0098 21-91022330
- -	
Fax:	0098 21-6025101
Telex:	213889 EPD IR
Email:	
AFTN:	OIIITYC
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	THRXTYF

Supervisor:	
Name:	Abutaleb Mosaie
Phone:	0098 21-9122330
Fax:	0098 21-6025101
Telex:	213889 EPD IR
Email:	<a href="mailto:alicom64@hotmail.com">alicom64@hotmail.com</a>
AFTN:	OIIITYC
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	THRXTYF

Technical supervisor:	
Name:	Gholamali Barzegari Naeini
Phone:	0098 21-6036645
Fax:	0098 21-6025101
Telex:	213889 EPD IR
Email:	<a href="mailto:AFTN@IRAFTN.COM">AFTN@IRAFTN.COM</a>
AFTN:	OIIITYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	THRXTYF

Management:	
Name:	Gholamali Barzegari Naeini
Phone:	0098 21-6036645
Fax:	0098 21-6025101
Telex:	213889 EPD IR
Email:	<a href="mailto:AFTN@ARAFTN.COM">AFTN@ARAFTN.COM</a>
AFTN:	OIIITYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	THRXTYF

Postal Address:	
Civil Aviation Organization	
P.O. Box 1798, 13445	
Mehrabad Intl Airport	
Tehran	
Islamic Republic of Iran	

CIDIN Entry/Exit Addresses:	
AFTN Ae/Ax:	
AFTN OPM/NM:	
OPMET Ae/Ax:	
OPMET OPM/NM:	

Other:	

Functions:		
Conv. AFTN	Yes	
CIDIN/AFTN		
CIDIN/OPMET		
AIS		
MOTNE		
OPMET	Yes	
SITA	Yes	





**ORBI - Bagdad - Iraq**

**Information**

<b>Operator: Ali Hussain Naser</b>	
Phone:	+ 964 7901380661
- -	
Fax:	
Telex:	
Email:	
AFTN:	ORBIYFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Technical operator: Basema Jaleel</b>	
Phone:	+ 9641 8132480
- -	
Fax:	
Telex:	
Email:	<a href="mailto:biap1@yahoo.com">biap1@yahoo.com</a>
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Supervisor:</b>	
Name:	Khitam A . Hassen
Phone:	+ 964 7901 511049
Fax:	
Telex:	
Email:	<a href="mailto:kh_hassen61@yahoo.com">kh_hassen61@yahoo.com</a>
AFTN:	ORBIYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Technical supervisor:</b>	
Name:	Eman Zeedan(Director)
Phone:	+ 964 7901484525
Fax:	
Telex:	
Email:	<a href="mailto:imzen29@yahoo.com">imzen29@yahoo.com</a>
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Management:</b>	
Name:	
Phone:	
Fax:	
Telex:	
Email:	
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Postal Address:</b>	

<b>CIDIN Entry/Exit Addresses:</b>	
AFTN Ae/Ax:	Yes
AFTN OPM/NM:	
OPMET Ae/Ax:	
OPMET OPM/NM:	

<b>Other:</b>	

<b>Functions:</b>		
Conv. AFTN	Yes	
CIDIN/AFTN		
CIDIN/OPMET		
AIS		
MOTNE		
OPMET		
SITA		



**ORBI - Bagdad - Iraq**

**AFTN Routing Table**

Desti- nation	Actual Main	Actual Altn.	Planned Main	Planned Altn.
A	OK			OI
B	OK			OI
C	OK			OI
D	OK			OI
E	OK			OI
F	OK			OI
G	OK			OI
H	OK			OI
K	OK			OI
L*	OK			OI
LL				
M	OK			OI
N	OK			OI

Desti- nation	Actual Main	Actual Altn.	Planned Main	Planned Altn.
OA	OK			OI
OB	OK			OI
OE	OK			OI
OI	OK			OI
OJ	OK			OI
OK	OK			OI
OL	OK			OI
OM	OK			OI
OO	OK			OI
OP	OK			OI
OR	OK			OI
OS	OK			OI
OT	OK			OI
OY	OK			OI
P	OK			OI
R	OK			OI
S	OK			OI
T	OK			OI
U	OK			OI
V	OK			OI
W	OK			OI
Y	OK			OI
Z	OK			OI

**ORBI - Bagdad - Iraq**

**Circuit Characteristics**

Situation recorded in October 2011			Planned		
Link	Protocol	Capacity (bps)	Protocol	Capacity (bps)	"O" date
OKBK	AFTN	64k / 9.6K			
OJAM	AFTN	1 X 50	AMHS	64K	3 QTR 2012
OLBA	AFTN	1 X 9.6K			
OSDI	AFTN	1 X 50			

**OJAM - Amman - Jordan**

**Information**

<b>Operator: Mona al - Nadaf</b>	
Phone:	+9626 4891401/3261
- -	
Fax:	
Telex:	
Email:	<a href="mailto:ALNADAF@YAHOO.COM">ALNADAF@YAHOO.COM</a>
AFTN:	OJAMYFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	AMMXYA

<b>Technical operato Targrred Ghazi</b>	
Phone:	+962 6 4891401/3263
- -	
Fax:	
Telex:	
Email:	
AFTN:	OJAMYFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Supervisc Marwan A. Qadome</b>	
Name:	Marwan A. Qadome
Phone:	+ 962 6 4892282
Fax:	+ 962 6 4891653
Telex:	
Email:	<a href="mailto:mar-afn@yahoo.com">mar-afn@yahoo.com</a>
AFTN:	OJAMYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	AMMXYA

<b>Technical supervi Marwan Badawi</b>	
Name:	Marwan Badawi
Phone:	+ 962 6 4891401/3500
Fax:	+ 962 6 4875102
Telex:	
Email:	
AFTN:	OJAMYFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Management: Nader A. Kaled</b>	
Name:	Nader A. Kaled
Phone:	4891401133260
Fax:	
Telex:	
Email:	<a href="mailto:afn_am@yahoo.com">afn_am@yahoo.com</a>
AFTN:	OJAMYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Postal Address:</b>	
Civil Aviation Authority	
P.O.Box 7547	
Amman -Jordan	

<b>CIDIN Entry/Exit Addresses:</b>	
AFTN Ae/Ax:	Yes
AFTN OPM/NM:	
OPMET Ae/Ax:	
OPMET OPM/NM:	

<b>Other:</b>	

<b>Functions:</b>		
Conv. AFTN	Yes	
CIDIN/AFTN		
CIDIN/OPMET		
AIS		
MOTNE		
OPMET		
SITA		



**OJAM - Amman - Jordan**

**Circuit Characteristics**

Situation recorded in October 2011			Planned		
Link	Protocol	Capacity (bps)	Protocol	Capacity (bps)	"O" date
HECA	AMHS	1 x 64 K			
OEJD	AMHS	1 x 64 K			
ORBI	AFTN	1 x 50	AMHS	9600	2012
OSDI	AFTN	1 x 19.2 K			
LLBG	AFTN	1 X 19.2K	AMHS	64	2012
OMAE	AMHS	2 MB (VPN)			
LCCC	AFTN	1 x 64 K	AMHS		2012

CCT OJAM TO OMAE IS USING VPN LINK OVER THE PUBLIC INTERNET

**OKBK - Kuwait - Kuwait**

**Information**

<b>Operator:</b>	
Phone:	
- -	
Fax:	
Telex:	
Email:	
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Technical operator:</b>	
Phone:	
- -	
Fax:	
Telex:	
Email:	
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Supervisor:</b>	
Name:	Mr. Al-Asqah, Mohammed
Phone:	+ (965) 473 2489
Fax:	+ (965) 472 1286
Telex:	
Email:	
AFTN:	OKBKIFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Technical supervisor:</b>	
Name:	Mr. Al-Jarrah, Dawood
Phone:	+ (965) 476 0421
Fax:	+ (965) 431 9232
Telex:	
Email:	<a href="mailto:afn@kuwait-airport.com.kw">afn@kuwait-airport.com.kw</a>
AFTN:	OKBKIFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Management:</b>	
Name:	Mr. Al-Fozan, Fozan
Phone:	+ (965) 476 0421
Fax:	+ (965) 431 9232
Telex:	
Email:	<a href="mailto:ned@kuwait-airport.com.kw">ned@kuwait-airport.com.kw</a>
AFTN:	OKBKIFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Postal Address:</b>	

<b>CIDIN Entry/Exit Addresses:</b>	
AFTN Ae/Ax:	
AFTN OPM/NM:	
OPMET Ae/Ax:	
OPMET OPM/NM:	

<b>Other:</b>	

<b>Functions:</b>		
Conv. AFTN	Yes	
CIDIN/AFTN		
CIDIN/OPMET		
AIS		
MOTNE		
OPMET		
SITA		

# OKBK - Kuwait - Kuwait

## AFTN Routing Table

Desti- nation	Actual Main	Actual Altn.	Planned Main	Planned Altn.	Desti- nation	Actual Main	Actual Altn.	Planned Main	Planned Altn.
A	OP	OB			OA	OP	OB		
B	LI	OL			OB	OB	OL		
C	LI	OL			OE	OB	OL		
D	OL	OB			OI	OI	OB		
E	LI	OL			OJ	OL	OB		
F	OB	OL			OK	N	N		
G	OL	OB			OL	OL	OB		
H*	OL	OB			OM	OB	OL		
HE	OL	OB			OO	OB	OL		
HL	OL	OB			OP	OP	OB		
HS	OL	OB			OR	OR	TBD		
K	LI	OL			OS	OS	OL		
L*	LI	OL			OT	OT	OB		
LC	OL	LI			OY	OB	OL		
LL					P	LI	OL		
LT	LI	OL			R	OP	OB		
M	LI	OL			S	LI	OL		
N	OP	OB			T	LI	OL		
					U	LI	OL		
					V*	OP	OB		
					VA	OP	OB		
					VE	OP	OB		
					VI	OP	OB		
					VN	OP	OB		
					VO	OP	OB		
					W	OP	OB		
					Y	OP	OB		
					Z	OP	OB		

OKBK - Kuwait - Kuwait

Circuit Characteristics

Situation recorded in October 2011		
Link	Protocol	Capacity (bps)
LIII	AFTN	1 x 100
OBBI	AFTN	1 X 9.6 K
OIII	AFTN	1 x 100
OLBA	AFTN	1 x 100
OPKC	AFTN	1 x 2.4k
OSDI	AFTN	1 x 50
OTBD	AFTN	1 x 64 K
ORBI	AFTN	1 X 64 K

Planned		
Protocol	Capacity (bps)	"O" date
X.25	1 X 64k	3 QTR 2012
AFTN	1 X 9.6K	3 QTR 2012
AFTN	1 X 9.6K	TBD
AFTN	1 X 9.6K	TBD



**OLBA - Beirut - Lebanon**

**Information**

<b>Operator:</b>	
Phone:	+ 961 1 628161
- -	
Fax:	+961 1 629035
Telex:	
Email:	<a href="mailto:hatemh@beirutairport.gov.lb">hatemh@beirutairport.gov.lb</a>
AFTN:	OLBAYFYX
CIDIN/AFTN:	OLBAM
CIDIN/OPMET:	OLBAYMYX
SITA:	

<b>Technical operator:</b>	
Phone:	
- -	
Fax:	
Telex:	
Email:	
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Supervisor:</b>	
Name:	Chawki Hatem
Phone:	+961 1 628161
Fax:	+961 1 629035
Telex:	
Email:	
AFTN:	OLBAYFYX
CIDIN/AFTN:	OLBAM
CIDIN/OPMET:	OLBAYMYX
SITA:	

<b>Technical supervisor:</b>	
Name:	Mouhammad Saad
Phone:	+961 3 280299-961 628000/3049
Fax:	+961 1 628198
Telex:	
Email:	<a href="mailto:msaad@beirutairport.gov.lb">msaad@beirutairport.gov.lb</a>
AFTN:	OLBAYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Management:</b>	
Name:	Chawki Hatem
Phone:	+961 1 628150
Fax:	+961 1 629035
Telex:	
Email:	
AFTN:	OLBAYTYX
CIDIN/AFTN:	OLBAM
CIDIN/OPMET:	OLBAYMYX
SITA:	

<b>Postal Address:</b>	
Beirut International Airport	
Telecom Department	
Beirut-Lebanon	

<b>CIDIN Entry/Exit Addresses:</b>	
AFTN Ae/Ax:	OLBAA
AFTN OPM/NM:	OLBAM
OPMET Ae/Ax:	
OPMET OPM/NM:	

<b>Other:</b>	

<b>Functions:</b>		
Conv. AFTN	Yes	
CIDIN/AFTN	Yes	
CIDIN/OPMET		
AIS	Yes	
MOTNE		
OPMET	Yes	
SITA	Yes	



**OLBA - Beirut - Lebanon**

**Circuit Characteristics**

Situation recorded in October 2011		
Link	Protocol	Capacity (bps)
HECA	CIDIN	1 x 9.6 K
LCNC	CIDIN	1 x 9.6 K
OBBI	CIDIN	1 x 9.6 K
OEJD	AFTN	1 x 19.2 K
OKBK	AFTN	1 x 100
OSDI	AFTN	2 x 50
ORBI	AFTN	1 x 9.6 K

Planned		
Protocol	Capacity (bps)	"O" date
AFTN	1 x 9.6K	3 QTR 2012

**OLBA - Beirut - Lebanon**

**CIDIN Routing Table**

CIDIN Exit Address	Actual Main VCG	Actual Altn. VCG	Planned Main VCG	Planned Altn. VCG
OLBA_	OLBA	(LCNC)		
LCNC_	OLBA	(OBBI)		
OBBI_	OLBA	HECA		

CIDIN Exit Address	Actual Main VCG	Actual Altn. VCG	Planned Main VCG	Planned Altn. VCG

**CIDIN Virtual Circuit Group**

Actual VCG	Actual Prim.VC	Actual Secondary VC's		
HECA	HECA1			
LCNC	LCNC1			
OBBI	OBBI1			

Planned VCG	Planned Prim.VC	Planned Secondary VC's		

**OOMS - Muscat - Oman**

**Information**

<b>Operator:</b> Mushal Abdul Aziz	
Phone:	968 519209/332
- -	
Fax:	968 510617
Telex:	5418 DGCAOMAN ON
Email:	<a href="mailto:aircomms@dgcam.gov.om">aircomms@dgcam.gov.om</a>
AFTN:	OOMSYFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Technical operato</b> Abdullah Salim Al-Shuaili	
Phone:	968 519492
- -	
Fax:	968 510617
Telex:	5418 DGCAOMAN ON
Email:	<a href="mailto:sohar99@gmail.com">sohar99@gmail.com</a>
AFTN:	OOMSYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Supervisor:</b>	
Name:	Akhtar Kareem Al-Balu
Phone:	968 519260
Fax:	968 510617
Telex:	5418 DGCAOMAN ON
Email:	<a href="mailto:aircomms@dgcam.gov.om">aircomms@dgcam.gov.om</a>
AFTN:	OOMSYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Technical supervisor:</b>	
Name:	Ahmed Hamood Al-Alawi
Phone:	968 519492
Fax:	968 510617
Telex:	5418 DGCAOMAN ON
Email:	<a href="mailto:mss@dgcam.gov.om">mss@dgcam.gov.om</a>
AFTN:	OOMSYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Management:</b>	
Name:	Ahmed Issa Al-Zadjali
Phone:	+968-24519123
Fax:	968 519930
Telex:	5418 DGCAOMAN ON
Email:	<a href="mailto:ahmedissa@dgcam.gov.om">ahmedissa@dgcam.gov.om</a>
AFTN:	OOMSYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Postal Address:</b>	
	P.O. BOX 1
	Postal Code 111
	Seeb Int. Airport
	Sultanate of Oman

<b>CIDIN Entry/Exit Addresses:</b>	
AFTN Ae/Ax:	
AFTN OPM/NM:	
OPMET Ae/Ax:	
OPMET OPM/NM:	

<b>Other:</b>	

<b>Functions:</b>		
Conv. AFTN	Yes	
CIDIN/AFTN		
CIDIN/OPMET		
AIS	Yes	
MOTNE		
OPMET		
SITA		



**OOMS - Muscat - Oman**

**Circuit Characteristics**

Situation recorded in May 2010			Planned		
Link	Protocol	Capacity (bps)	Protocol	Capacity (bps)	"O" date
OBBI	AFTN	1 x 9600	AMHS		3 QTR 2012
OEJD	AFTN	1 x 9600	AMHS		3 QTR 2012
OMAE	AMHS	1 x 64 K			
OYSN	AFTN	1 x 100		9.6k	3 QTR 2012
VABB	AFTN	1 x 9600			

# OPKC - Karachi - Pakistan

## Information

Operator:	
Phone:	92-21-45791943
- -	45797232
Fax:	92-21-9218216
Telex:	29336 CAA PK
Email:	
AFTN:	OPKCYFYX
CIDIN/AFTN:	
CIDIN/OPMET:	OPKCYZYX
SITA:	

Technical operator:	
Phone:	92-21-45791944
- -	45797519
Fax:	
Telex:	29336 CAA PK
Email:	
AFTN:	OPKCYFYT
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

Supervisor:	
Name:	Mr. Fasihuzzaman
Phone:	92-21-9218242
Fax:	92-21-9218216
Telex:	29336 CAA PK
Email:	
AFTN:	OPKCYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

Technical supervisor:	
Name:	Mr. Nadeem Sharif Pasha
Phone:	92-21-9218174
Fax:	
Telex:	29336 CAA PK
Email:	Ctoqiap@sat.net.pk
AFTN:	OPKCYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

Management:	
Name:	Air Cdre Qamaruddin
Phone:	92-21-9218732
Fax:	92-21-9218733
Telex:	29534 DG CAA PK
Email:	q-uddin@yahoo.Com
AFTN:	OPHQZXXM
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

Postal Address:	
Comm-Ops branch, HQ.CAA	
Technical Devision	
Terminal-1	
QIAP, Karachi-75200	
Pakistan	

CIDIN Entry/Exit Addresses:	
AFTN Ae/Ax:	
AFTN OPM/NM:	
OPMET Ae/Ax:	
OPMET OPM/NM:	

Other:	

Functions:		
Conv. AFTN	Yes	
CIDIN/AFTN		
CIDIN/OPMET		
AIS	Yes	
MOTNE		
OPMET	Yes	
SITA		



**OPKC - Karachi - Pakistan**

**AFTN Routing Table**

Desti-nation	Actual Main	Actual Altn.	Planned Main	Planned Altn.	Desti-nation	Actual Main	Actual Altn.	Planned Main	Planned Altn.
A	VA	-			OA	OA	-		
B	OK	-			OB	OK	OI		
C	OK	OI			OE	OK	-		
D	OK	-			OI	OI	-		
E	OK	OI			OJ	OK	OI		
F	OK	-			OK	OK	-		
G	OK	-			OL	OK	-		
H	OK	-			OM	OK	OI		
K	OK	OI			OO	OK	OI		
L*	OK	OI			OP	N	N		
LL					OR	OK	-		
LT	OI	OK			OS	OI	-		
M	OK	OI			OT	OK	OI		
N	VA	OI			OY	OK	OI		
					P	VA	-		
					R	VA	-		
					S	OK	OI		
					T	OK	OI		
					U	OI	OK		
					V*	VA	-		
					VN	ZB	VA		
					W	VA	-		
					Y	VA	-		
					Z	ZB	VA		

**OPKC - Karachi - Pakistan**

**Circuit Characteristics**

Situation recorded in October 2004		
Link	Protocol	Capacity (bps)
OIII	AFTN	1 x 200
OKBK	AFTN	2.4K
ZBBB	AFTN	1 x 50
VABB	AFTN	1 x 200
OAKB	AFTN (VSAT)	1 x 2400

Planned		
Protocol	Capacity (bps)	"O" date
AFTN	2.4K	End 2004
AFTN	2.4K	End 2004

**OTBD - Doha - Qatar**

**Information**

<b>Operator:</b>	
Phone:	00974 4656220/268
- -	00974 4622510
Fax:	00974 4621052
Telex:	
Email:	
AFTN:	OTBDYFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	DOHXYF

<b>Technical operator:</b>	
Phone:	
- -	
Fax:	
Telex:	
Email:	
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Supervisor:</b>	
Name:	Mr. Ahmed Al-Mannai
Phone:	00974 4622510
Fax:	00974 4622052
Telex:	
Email:	<a href="mailto:ahmedalmannai@caa.gov.qa">ahmedalmannai@caa.gov.qa</a>
AFTN:	
CIDIN/AFTN:	OTBDYTYX
CIDIN/OPMET:	
SITA:	DOHXYF

<b>Technical supervisor:</b>	
Name:	Mr.Said Othman Baywazir
Phone:	00974 465500
Fax:	00974 4622620
Telex:	
Email:	<a href="mailto:saeed@caa.gov.qa">saeed@caa.gov.qa</a>
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Management:</b>	
Name:	
Phone:	
Fax:	
Telex:	
Email:	
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Postal Address:</b>	
Civil Aviation Authority	
P.O.Box 3000	
Doha Qatar	

<b>CIDIN Entry/Exit Addresses:</b>	
AFTN Ae/Ax:	
AFTN OPM/NM:	
OPMET Ae/Ax:	
OPMET OPM/NM:	

<b>Other:</b>	

<b>Functions:</b>		
Conv. AFTN	Yes	
CIDIN/AFTN		
CIDIN/OPMET		
AIS		
MOTNE		
OPMET		
SITA		



**OTBD - Doha - Qatar**

**Circuit Characteristics**

Situation recorded in October 2011		
Link	Protocol	Capacity (bps)
OBBI	AFTN/CIDIN	1 x 64 K
OKBK	AFTN	1 x 64 K
OMAE	AMHS	1 x 64 K

Planned		
Protocol	Capacity (bps)	"O" date
AMHS	1 x 64 K	3 QTR 2012

**OEJD - Jeddah - Saudi Arabia**

**Information**

<b>Operator:</b>	
Phone:	+966 2 685 0532
- -	+966 2 685 4576
Fax:	+966 2 685 4016
Telex:	603807 KAIAP
Email:	
AFTN:	OEJNYFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Technical operator:</b>	
Phone:	+966 2 685 5040 or
- -	+966 2 685 5039
Fax:	+966 2 685 5718
Telex:	
Email:	
AFTN:	OEJNYFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Supervisor:</b>	
Name:	Fahad Alsubhi (Manager)
Phone:	+966 2 685 5611
Fax:	+966 2 685 4014
Telex:	603807 KAIAP
Email:	<a href="mailto:fahadms@gmail.com">fahadms@gmail.com</a>
AFTN:	OEJNYFYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Technical supervisor:</b>	
Name:	Waheed Moktar
Phone:	+966 2 6717717
Fax:	+966 2 6719041
Telex:	
Email:	<a href="mailto:wmokhtar@gaca.gov.sa">wmokhtar@gaca.gov.sa</a>
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Management:</b>	
Name:	Abdulkareem Alharbi
Phone:	+966 2 6717717 ext: 1835
Fax:	+966 2 6717717 ext: 1839
Telex:	601093 CIVAIR SJ
Email:	<a href="mailto:harbi_abd@yahoo.com">harbi_abd@yahoo.com</a>
AFTN:	OEJDYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Postal Address:</b>	
Manager	
ATM Comm. Ops and Procedures	
General Authority of Civil Aviation (GACA)	
P.O. Box 15441	
JEDDAH 21444	
SAUDI ARABIA	

<b>CIDIN Entry/Exit Addresses:</b>	
AFTN Ae/Ax:	OEJNA
AFTN OPM/NM:	OEJNM
OPMET Ae/Ax:	
OPMET OPM/NM:	

<b>Other:</b>	

<b>Functions:</b>		
Conv. AFTN	Yes	
CIDIN/AFTN	Yes	
CIDIN/OPMET	No	
AIS	No	
MOTNE	No	
OPMET	No	
SITA	No	



**OEJD - Jeddah - Saudi Arabia**

**Circuit Characteristics**

Situation recorded in October 2011		
Link	Protocol	Capacity (bps)
HAAB	AFTN	1 x 9.6 K
OJAM	AMHS	1 x 64 K
OBBI	AFTN/CIDIN	1 x 64 K
OLBA	AFTN	1 x 19.2 K
HECA	AMHS	1 x 64 K
HSSS	AFTN	1 x 9.6 K
OOMS	AFTN	1 x 300
LCNC	CIDIN	1 x 64 K
OYSN	AFTN	1 x 9.6 K

Planned		
Protocol	Capacity (bps)	"O" date



**OEJD - Jeddah - Saudi Arabia**

**CIDIN Routing Table**

CIDIN Exit Address	Actual Main VCG	Actual Altn. VCG	Planned Main VCG	Planned Altn. VCG	CIDIN Exit Address	Actual Main VCG	Actual Altn. VCG	Planned Main VCG	Planned Altn. VCG
HECA_	HECA								
LCNC_	LCNC	OBBI							
OBBI_	OBBI	LCNC							

**CIDIN Virtual Circuit Group**

Actual VCG	Actual Prim.VC	Actual Secondary VC's	Planned VCG	Planned Prim.VC	Planned Secondary VC's
HECA	HECA1				
LCNC	LCNC1				
OBBI	OBBI1				

# OSDI - Damascus - Syria

## Information

Operator:	
Phone:	011-5400985-9/4165
- -	
Fax:	
Telex:	
Email:	<a href="mailto:dgca@net.sy">dgca@net.sy</a>
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

Technical operator:	
Phone:	011-5400985-9/4106
- -	
Fax:	
Telex:	
Email:	
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

Supervisor:	
Name:	Ayda Ashkar
Phone:	011-5400985-9/4164
Fax:	
Telex:	
Email:	Planned
AFTN:	OSDIYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

Technical supervisor:	
Name:	Samir Abou Chameh
Phone:	011-5400985-9/4106
Fax:	011-5400571
Telex:	
Email:	
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

Management:	
Name:	Eng. Arkan Zahr-din
Phone:	011-5400985-9/4160
Fax:	
Telex:	
Email:	<a href="mailto:dgca@net.sy">dgca@net.sy</a>
AFTN:	OSDIYTYX
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

Postal Address:	

CIDIN Entry/Exit Addresses:	
AFTN Ae/Ax:	
AFTN OPM/NM:	
OPMET Ae/Ax:	
OPMET OPM/NM:	

Other:	

Functions:		
Conv. AFTN	Yes	
CIDIN/AFTN		
CIDIN/OPMET		
AIS		
MOTNE		
OPMET		
SITA		



**OSDI - Damascus - Syria**

**Circuit Characteristics**

Situation recorded in October 2011		
Link	Protocol	Capacity (bps)
HECA	AFTN	1 x 50
LGGG	AFTN	2 x 50
OIII	AFTN	1 x 50
OJAM	AFTN	1 x 19.2 K
OKBK	AFTN	1 x 50
OLBA	AFTN	2 x 50
ORBI	AFTN	1 x 50
SITA	AFTN	1 X 50

Planned		
Protocol	Capacity (bps)	"O" date
AFTN	9.6 K	3 QTR 2012
AFTN	9.6 K	3 QTR 2012
AFTN	9.6 K	3 QTR 2012
AFTN	9.6 K	3 QTR 2012
AFTN	9.6 K	3 QTR 2012
AFTN	9.6 K	3 QTR 2012

**OMAE - Abu Dhabi - U.A.E.**

**Information**

<b>Operator:</b>	
Phone:	00971 2 599 6851
- -	
Fax:	00971 2 599 6852
Telex:	
Email:	<a href="mailto:aftncomms@szc.gcaa.ae">aftncomms@szc.gcaa.ae</a>
AFTN:	OMAEYFYX
CIDIN/AFTN:	OMAEM
CIDIN/OPMET:	
SITA:	

<b>Technical operator:</b>	
Phone:	00971 2 599 6864
- -	
Fax:	00971 2 599 6872
Telex:	
Email:	<a href="mailto:engineering@szc.gcaa.ae">engineering@szc.gcaa.ae</a>
AFTN:	OMAECENG
CIDIN/AFTN:	OMAEM
CIDIN/OPMET:	
SITA:	

<b>Supervisor:</b>	
Name:	V. Koshy
Phone:	00971 2 599 6844
Fax:	00971 2 599 6852
Telex:	
Email:	<a href="mailto:vkoshy@szc.gcaa.ae">vkoshy@szc.gcaa.ae</a>
AFTN:	OMAEYFYX
CIDIN/AFTN:	OMAEM
CIDIN/OPMET:	
SITA:	

<b>Technical supervisor:</b>	
Name:	Jack Watson
Phone:	00971 2 599 6860
Fax:	00971 2 599 6872
Telex:	
Email:	<a href="mailto:jwatson@szc.gcaa.ae">jwatson@szc.gcaa.ae</a>
AFTN:	OMAECENG
CIDIN/AFTN:	OMAEM
CIDIN/OPMET:	
SITA:	

<b>Management:</b>	
Name:	Abdullah Al Hashimi
Phone:	00971 2 599 6830
Fax:	00971 2 599 6836
Telex:	
Email:	<a href="mailto:ahashimi@szc.gcaa.ae">ahashimi@szc.gcaa.ae</a>
AFTN:	OMAEYTSC
CIDIN/AFTN:	OMAEM
CIDIN/OPMET:	
SITA:	

<b>Postal Address:</b>	
GCAA	
P.O. Box 666	
Abu Dhabi	
United Arab Emirates	

<b>CIDIN Entry/Exit Addresses:</b>	
AFTN Ae/Ax:	OMAEA
AFTN OPM/NM:	OMAEYPYX
OPMET Ae/Ax:	
OPMET OPM/NM:	

<b>Other:</b>	

<b>Functions:</b>		
Conv. AFTN	Yes	
CIDIN/AFTN	Yes	
CIDIN/OPMET		
AIS		
MOTNE		
OPMET		
SITA		

OMAE - Abu Dhabi - U.A.E.

AFTN Routing Table

Desti- nation	Actual Main	Actual Altn.	Planned Main	Planned Altn.
A	OBBIA	OO		
B	OBBIA	OO		
C	OBBIA	OO		
D	OBBIA	OO		
E	OBBIA	OO		
F	OBBIA	OO		
G	OBBIA	OO		
H	OBBIA	OO		
K	OBBIA	OO		
L*	OBBIA	OO		
LL				
LT	OBBIA	OO		
M	OBBIA	OO		
N	OBBIA	OO		

Desti- nation	Actual Main	Actual Altn.	Planned Main	Planned Altn.
OA	OBBIA	OO		
OB	OBBIA	OO		
OE	OBBIA	OO		
OI	OI	OBBIA		
OJ	OJ	OBBIA		
OK	OBBIA	OI		
OL	OBBIA	OO		
OM	N	N		
OO	OO	OBBIA		
OP	OO	OBBIA		
OR	OBBIA	OI		
OS	OBBIA	OI		
OT	OT	OBBIA		
OY	OBBIA	OO		
P	OBBIA	OO		
R	OBBIA	OO		
S	OBBIA	OO		
T	OBBIA	OO		
U	OBBIA	OO		
V*	OBBIA	OO		
VA	OO	OBBIA		
VE	OO	OBBIA		
VI	OO	OBBIA		
VN	OO	OBBIA		
VO	OO	OBBIA		
W	OBBIA	OO		
Y	OBBIA	OO		
Z	OO	OBBIA		

**OMAE - Abu Dhabi - U.A.E.**

**Circuit Characteristics**

Situation recorded in October 2011			Planned		
Link	Protocol	Capacity (bps)	Protocol	Capacity (bps)	"O" date
OBBI	CIDIN	1 x 9.6K	AMHS	64K	3 QTR 2012
OIII	AFTN	1 x 100		64K	3 QTR 2012
OOMS	AMHS	1 X 64K			
OJAM	AMHS	1 X (VPN 2 MB)			
OTBD	AMHS	1 X 64K			

CCT OJAM TO OMAE IS USING VPN LINK OVER THE PUBLIC INTERNET

**OYSN - Sanaa - Yemen**

**Information**

<b>Operator:</b>	
Phone:	00967-1-345289-326
- -	
Fax:	00967-1-345527
Telex:	
Email:	<a href="mailto:ans1san@v.net.ye">ans1san@v.net.ye</a>
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Technical operator:</b>	
Phone:	
- -	
Fax:	
Telex:	
Email:	
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Supervisor:</b>	
Name:	Mr. Ali Dhafer
Phone:	00967-1-345289-326
Fax:	00957-1-344047
Telex:	
Email:	<a href="mailto:aabutalib@yahoo.com">aabutalib@yahoo.com</a>
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Technical supervisor:</b>	
Name:	Mr. S. Nizamuddin
Phone:	00967-1-344674/345401
Fax:	00967-1-345527
Telex:	
Email:	<a href="mailto:say2nizam@yahoo.com">say2nizam@yahoo.com</a>
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Management:</b>	
Name:	
Phone:	
Fax:	
Telex:	
Email:	
AFTN:	
CIDIN/AFTN:	
CIDIN/OPMET:	
SITA:	

<b>Postal Address:</b>	
AIR TRAFFIC SERVICES	
P.O. BOX 3437	
SANA'A	
REPUBLIC OF YEMEN	

<b>CIDIN Entry/Exit Addresses:</b>	
AFTN Ae/Ax:	
AFTN OPM/NM:	
OPMET Ae/Ax:	
OPMET OPM/NM:	

<b>Other:</b>	

<b>Functions:</b>		
Conv. AFTN	Yes	
CIDIN/AFTN		
CIDIN/OPMET		
AIS		
MOTNE		
OPMET		
SITA		





OYSN - Sanaa - Yemen

Circuit Characteristics

Situation recorded in October 2011		
Link	Protocol	Capacity (bps)
OEJD	AFTN	1 x 9.6 K
OOMS	AFTN	1 x 100

Planned		
Protocol	Capacity (bps)	"O" date
	64 K	3 QTR 2012

-END-

