



# MID ATS Messaging Management Center (MID AMC) Project Plan

# Objective

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To present the progress has been done toward establishment of the ATS Messaging Management center in the ICAO MID Region (MID AMC).

# Presentation Outline

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- Background
- The need for MID AMC
- MID AMC Project Plan
- Conclusions



## AMHS Implementation in the MID

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- ❑ Six (6) states have operational AMHS links.
- ❑ Three (3) states have signed a contract with vendors to purchase AMHS systems.
- ❑ Four (4) states have AMHS system in place but not yet operational
- ❑ Two states (2) have not provide any info about AMHS Implementation plan .
- ❑ Two AMHS networks (Triangle) in the ICAO MID Region:
  - “Amman- Cairo-Jeddah”
  - “Amman- Jeddah- Abu Dhabi)



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## The need for MID AMC

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MID COM centers participate in EUR-AMC as external COM operators that have access to some of the operational functions, but they can't use an important function like routing management which is currently available to EUR AMC operators.

The Aeronautical fixed telecommunication network in the MID Region has some operational issues like Asymmetric routes which can cause message loss.

The Routing function can integrate AMHS routing with AFTN/CIDIN routing, and ensure optimal consistent routes.

# Problems in operational AMHS net.

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1. Asymmetric routing
2. Routing to other ICAO area in AMHS



## The Good

Area	Outgoing channel
OE	Jordan (AFTN)

UNKNOWN ADS  
OSDIYFY

Convert SVC ADS ...  
UNKNOWN into NDR

Area	Outgoing channel
OS	Jordan (AMHS)

DD OSDIYFY





## The Ugly

Area	Outgoing channel
OE	Egypt (AFTN)

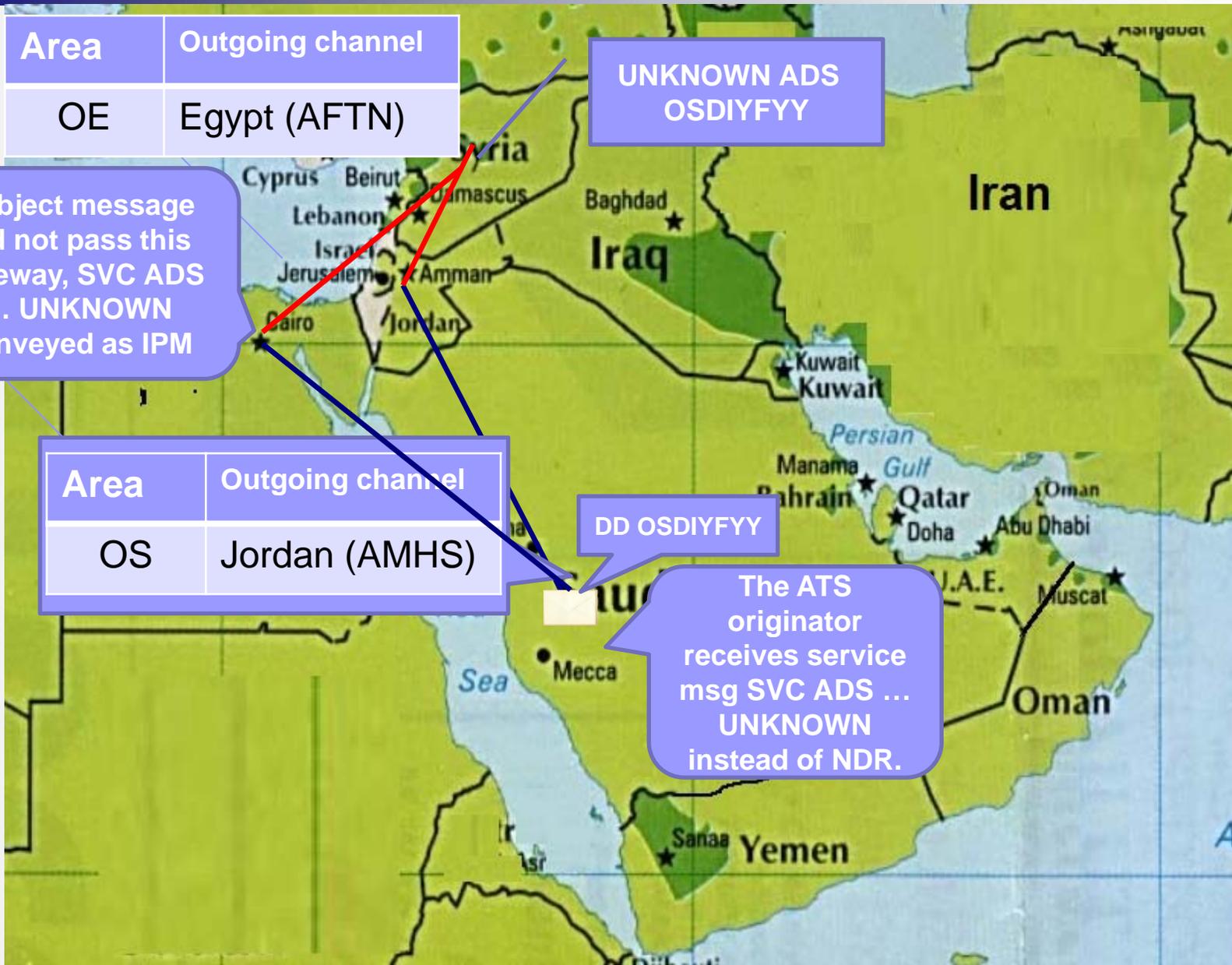
UNKNOWN ADS  
OSDIYFYY

Subject message did not pass this gateway, SVC ADS ... UNKNOWN conveyed as IPM

Area	Outgoing channel
OS	Jordan (AMHS)

DD OSDIYFYY

The ATS originator receives service msg SVC ADS ... UNKNOWN instead of NDR.



The <sup>e</sup>worst

Area	Outgoing channel
OE	Kuwait (AMHS)

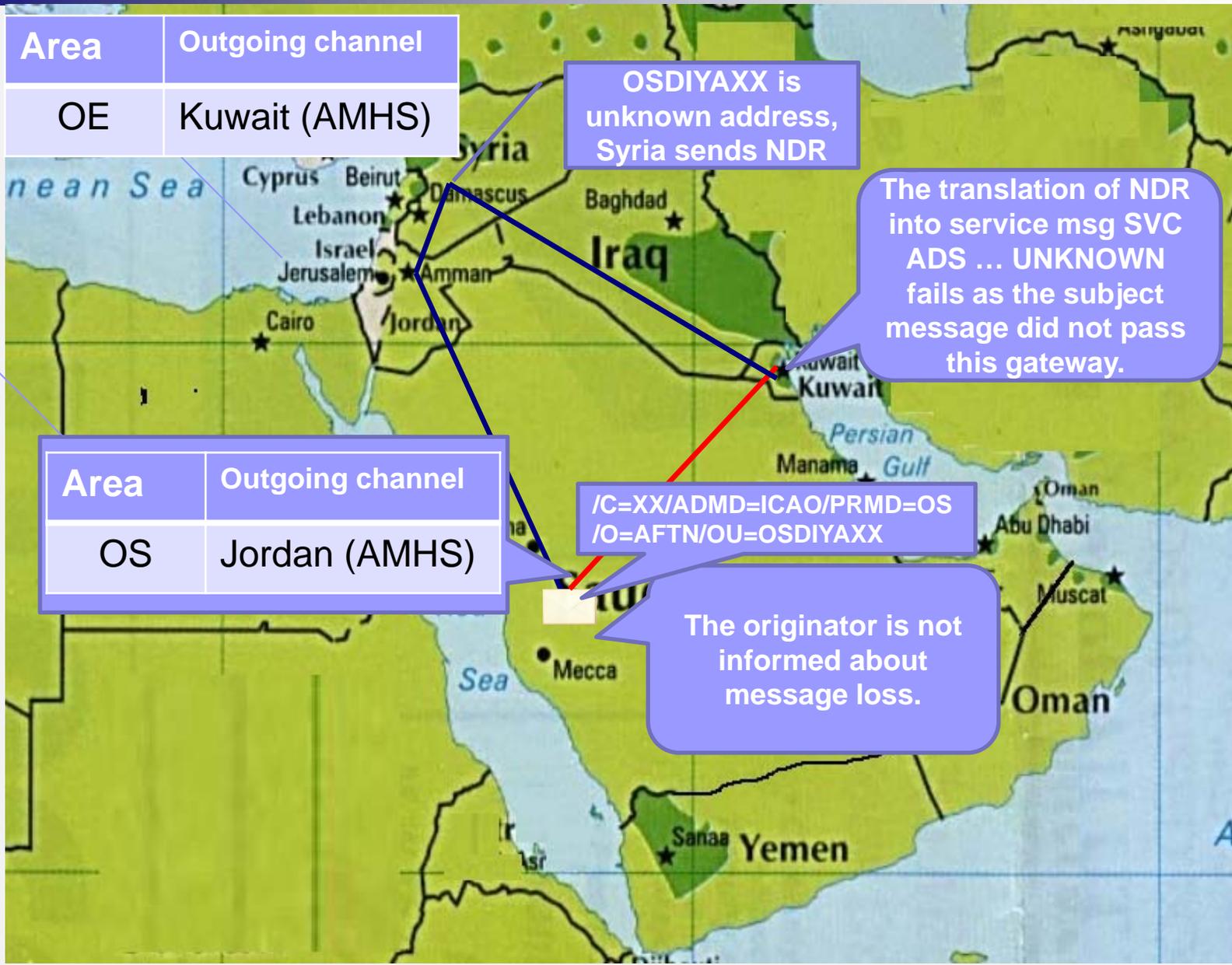
OSDIYAXX is unknown address, Syria sends NDR

The translation of NDR into service msg SVC ADS ... UNKNOWN fails as the subject message did not pass this gateway.

Area	Outgoing channel
OS	Jordan (AMHS)

/C=XX/ADMD=ICAO/PRMD=OS /O=AFTN/OU=OSDIYAXX

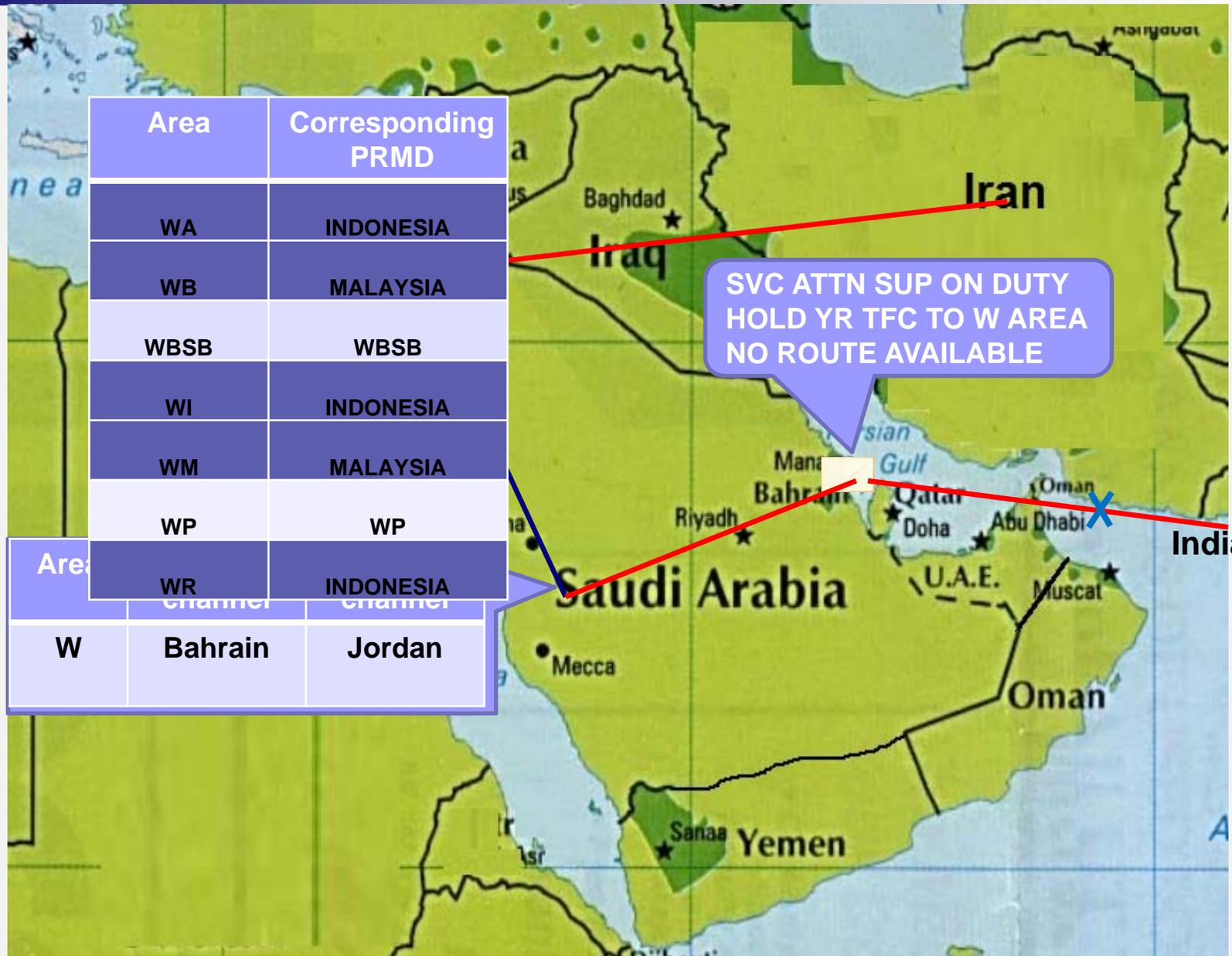
The originator is not informed about message loss.



# Problems in operational AMHS net.

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1. **Asymmetric routing**
2. Routing to other ICAO area in AMHS



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# MID AMC Project Plan

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## 1. Project Stakeholders:

- Jordan Civil Aviation Regulatory Commission ( *project sponsor* )
- MID States
- ICAO
- EUROCONTROL
- MID AMC Project Manager
- MID AMC Project Assistant
- MID AMC Support Team
- MID AMC Operators

# MID AMC Project Plan

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## 2. MID AMC Project Goals

- To facilitate transition from AFTN/CIDIN to AMHS.
- To support states with AMHS in operation or on their way to implement.
- To provide Routing management function that can ensure optimum consistent routes.
- To provide an electronic tool to keep ANP FASID data up-to-date.

# MID AMC Project Plan

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## 3. Deliverables:

- Development of MID AMC project
- Synchronization with European AMC
- Training for MID AMC Users
- Development of MID AMC manuals
- Launch of the MID AMC project

## 4 . MID AMC Project Plan Schedule



Task	Responsibility	Delivery Date
Acquiring Technical and operational specifications of AMC from EUROCONTROL, and sign the agreement for Copyrights and patent usage.	ICAO MID office	20/11/2011 <i>Done</i>
Develop technical specifications for MID AMC Project	MID AMC Team	7/12/2011 <i>Done</i>
Tendering process (Launch a tender, Evaluation of tenders, Purchasing order)	Jordan CARC MID AMC Team	5/1/2012 <i>Done</i>
Phase 1 development (Including Network Inventory function, Address Management function, Miscellaneous)	MID AMC Support Team	10/5/2012 <i>Done</i>
Factory Testing Acceptance (FAT) – phase1	MID AMC support team and Project team	18/5/2012 <i>Done</i>

# MID AMC Project Plan Schedule (Cont'd)



Task	Responsibility	Delivery Date
Refresher External AMC user course for MID AMC operators	MID AMC Project Manager	12/4/2012 <i>Done</i>
Development a synchronization procedure with European AMC	-MID AMC Team -ICAO MID office -Eurocontrol	June/2012 <i>Done</i>
Phase 2 development (Routing Management, Statistics)	MID AMC Support Team	13/6/2012 <i>Done</i>
Factory Testing Acceptance (FAT) – phase 2	MID AMC support team and Project team	20/6/2012 <i>Done</i>

## MID AMC Project Plan Schedule (Cont'd)



Task	Responsibility	Delivery Date
MID AMC Implementation	MID AMC support team	30/6/2012 <i>Done</i>
Training on MID AMC operation	- MID AMC Project manager - MID AMC support team	2-5/7/2012 <i>Theoretical part done</i>
Site acceptance Test (SAT)	- MID AMC Support & project Team	12/7/2012 <i>Done</i>
Sign MOUs with MID states	-Jordan CARC -MID states -ICAO MID office	<i>Ongoing</i>

## MID AMC Project Plan Schedule (Cont'd)



Task	Responsibility	Delivery Date
Develop operational specification manuals for all MID user types (MID AMC Operator, MID AMC user, Read only users, External AMC User)	MID AMC Project Team	12/7/2012 <i>Ongoing</i>
Training for MID AMC users ( MID states)	MID AMC Project Manager	1/1/7/2012 <i>No Plan</i>
Submit data to MID AMC	- MID states - MID AMC operator	12/7/2012 <i>Done</i>
Launch of the MID AMC trial period	MID AMC Support & project Team	12/12/2012 <i>Done</i>

## MID AMC Project Plan Schedule (Cont'd)



Task	Responsibility	Delivery Date
Develop Computer based training package for MID AMC Operator	CBT Team	15/5/2013 <i>Ongoing</i>
Training for MID AMC users ( MID states)	CBT Team	20/12/2013
Provide regular feedback to ICAO office and MID AMC	MID states	<i>Ongoing during the trial period</i>
Final Evaluation for MID AMC (Go-Nogo)	MID AMC Team MID States	
Launch of the MID AMC	MSG / MIDANPIRG	

# MID AMC Project Plan

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## 5. Human Resources Plan:

- MID AMC Project Manager: Mona Annaddaf
- MID AMC Project Assistant: Eid Othman
  
- MID AMC operation team:
  - Eid Othman
  - Yaser Zayyad
  - Zakaria Hussien
  - Majdolin Al-trad
  - Maysoon Oweineh
  
- MID AMC Support team:
  - Mona Annaddaf
  - Eid Othman
  - Yaser Zayyad
  - MID AMC Supplier

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## Conclusions

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- The Benefits of the project justifies the efforts and expenditure for the its implementation.
- The benefits are maximized if the implementation is extended to the most of the region States.
- The active participation of MID States by using MID-AMC in trial period and provision of regular feedback about the operation and performance will add value to the success of project.

## Conclusions

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- States signature of the Memorandum of Agreement MOA will reflect the commitment of the region to the harmonization, integration and coordination with the other regions and on international level.



**Thank you !**