



**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

*A United Nations Specialized Agency*

# MID Regional OPMET Centre

Implementation

# Overview



- Objective
- Steps to achieve the objective
- Measure objective – identify gaps
- Correct gaps
- Continue monitoring/corrective process
- Other
- Conclusion

# Objective



- Regional OPMET Centre (ROC) in MID Region is necessary in order to assure
  - Required OPMET data is available globally
  - Efficient exchange of OPMET data
  - Monitoring OPMET data production and exchange
  - Inter-regional coordination in meeting customer needs

**All necessary for proper flight planning and optimum use of alternate aerodromes reducing flight times, fuel expended, cost and fuel emissions**

# Objective



- All National OPMET Centres (NOCs) send their national OPMET Data to ROC Jeddah and ROC Bahrain (backup): for Regional and Inter-Regional distribution
  - Regional: NOCs in the MID-Region Area of Responsibility (AoR)
  - Inter-Regional: to the Inter-Regional OPMET Gateway(s) (IROGs), ex. EUR-IROG/ROC Vienna for dissemination in the EUR-Region

# Objective



- ROC Jeddah also is the MID Region Inter Regional OPMET Gateway (IROG) to/from the EUR Region in connection with the EUR Region IROG/ROC Vienna.
  - MID IROG/ROC Jeddah sends the MID Region OPMET data to EUR IROG/ROC Vienna: AFTN LOZZMMID, for distribution in the EUR Region.
  - EUR IROG/ROC Vienna sends the EUR Region OPMET data to MID IROG/ROC Jeddah: AFTN OEJN???? for distribution in the MID Region.

## Slide 5

---

**HSW1** To be verified  
Herman Swinnen, 7/10/2014

**HSW2** To be verified  
Herman Swinnen, 7/10/2014

# Objective



- REQUIRED OPMET DATA: FASID MET2A MID-Region OPMET Data to MID-Region NOCs for national distribution (Regional) and to IROGs for world-wide distribution (Inter-Regional)
  - FASID MET2A:  
<http://www.icao.int/safety/meteorology/Pages/default.aspx> )
  - Collected by ROC Jeddah and ROC Bahrain (backup)
  - Distributed by MID-Region ROC to MID-Region NOCs within its AoR and to the IROG(s)
  - OPMET data of this type should be compiled in bulletin(s) with bulletin numbers ranging from 01-39

# Objective



- NOT REQUIRED OPMET DATA: MID-Region data not in FASID MET2A for distribution to NOCs for national distribution (Regional) and for bi-lateral agreements
  - NOCs should compile OPMET data of this type in bulletin(s) with bulletin numbering 40-49 for national or bi-lateral exchange only
  - Not for Inter-Regional distribution



# Objective



- Eliminate multiple occurrences of OPMET data in various bulletins intended for international exchange
- Eliminate duplicate bulletins
- Avoid bulletins with mixed contents of required and not required OPMET data

# Objective



- Liaise with the EUR Region as well as other Regions in due time to resolve OPMET data issues identified

# Objective



- Develop ability to manage the exchange of OPMET data in digital form as per the concept of operations on the ICAO meteorological information exchange model (CONOPS on IWXXM) that is under development

# Steps to achieve the objective



- Each State in the MID Region should assure their OPMET data listed in MID FASID Table MET 2A be sent to Jeddah and Bahrain
  - Jeddah address: **to be completed**
  - Bahrain address: **to be completed**

# Steps to achieve objective



- Each MID State should follow the OPMET bulletin number convention:
- **01-39** global, Regional and Inter-Regional distribution (FASID)
- **40-49, 80-89** national and bilateral distribution
- **50-59** GAMET if produced - send to MID ROCs
- **60-69** special air-reports - send to MID ROCs
- **70-79** special air-reports for volcanic ash - send to MID ROCs
- **90-99** reserved

*Note this convention was adopted in the EUR Region in compliance to WMO Doc 386*

# Steps to achieve objective



- MID-REGION OPMET data listed in FASID Table MET 2A received at ROC Jeddah would be sent to EUR-IROG/ROC Vienna
  - ROC Vienna sends to:
    - ROC London for
      - Uplink to SADIS enabling global broadcast
      - Distribution to EUR-NOCs in the ROC London EUR Area of Responsibility
    - ROC Toulouse for distribution to EUR-NOCs in the ROC Toulouse EUR Area of Responsibility

# Steps to achieve objective



- Each State has implementation actions requesting
  - Data listed in FASID Table MET 2A for that State is sent to ROC Jeddah and ROC Bahrain
  - How to eliminate unnecessary exchange of OPMET data (not listed in FASID Table MET 2A)
  - How to eliminate multiple occurrences of OPMET data in various bulletins
  - How to eliminate duplicate OPMET bulletins

# Steps to achieve objective



- Each State will be asked what OPMET data it needs – for distribution from the ROC to the State via its National OPMET Centre (NOC)
  - This will be done in the form of a survey provided at the workshop
  - ROCs will maintain routing tables for dissemination of needed data to the States within its Area of Responsibility (AoR)



# Steps to achieve objective



- This survey will pose the following questions:
  - List routine, scheduled OPMET bulletins (e.g. SA, SP, FT, FC) your State produces and receives
  - List non-routine, non-scheduled OPMET bulletins (e.g. WS, WC, WV, WA, FA, FV, FK, UA, NO) your State produces and receives

# Measure objective



- OPMET monitoring conducted in EUR occurs in February and September each year to identify:
  - OPMET data availability as per requirements
  - OPMET data that should not be distributed
  - Duplicate bulletins
  - Multiple OPMET occurrences in various bulletins
  - Bulletins with mixed contents: required and not-required data

# Correct Gaps



- Based on monitoring results, States to be informed with proposed actions to assure
  - OPMET data is available as per requirements
  - OPMET data not required is not distributed internationally
  - Duplicate bulletins are eliminated
  - Multiple occurrences of OPMET data in various bulletins are eliminated
  - Bulletin contents management

# Correct gaps



- This process continues
  - Monitor and identify gaps
  - Inform States of gaps with corrective action plans
  - States implement corrective action plans
  - Update of FASID MET2A

# Serve as translator (IWXXM)



- OPMET will be exchanged in legacy character form and in digital form until 2019
  - Requiring a centre to translate from character form to digital form as long as NOCs are not in the position to do it themselves
  - Suggest the ROC or certified centre to perform this role
  - Guidance is under development – EUR Data Management Group in coordination with ICAO, WMO and Eurocontrol

# Other



- The ROC implementation workshop will also address
  - Hardware requirements
  - Human resource needs
  - Communication requirements
  - Backup plans
  - Lessons learned from already established ROCs

# Conclusion



- ROC in MID Region is necessary in order to assure
  - Required OPMET data is available globally
  - Efficient exchange of OPMET data
  - Inter-Regional coordination in meeting customer needs
  - Quality monitoring

**All necessary for proper flight planning and optimum use of alternate aerodromes reducing flight times, fuel expended, cost and fuel emissions**