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CAPACITY & EFFICIENCY

# **Main Outcome**

## **ROC/IWXXM Implementation Workshop**

**Cairo, Egypt, 12–13 November 2017**



- **Date and Venue**

- Date: 12-13 November 2017
- Venue: ICAO MID Office, Cairo, Egypt

- **Attendance**

- 16 Participants
- 3 States: Egypt, Iran, UAE
- 1 International Organization: World Meteorological Organization



## Workshop Objective

- The objective of the Workshop was to address issues related to the implementation of ICAO Meteorological Information Exchange Model (IWXXM); and Regional OPMET Centre (ROC) Jeddah and associated challenges/lessons learnt.
- The Workshop provided a forum to share experience and best practices, through presentations and discussions.



## DAY 1 – SUNDAY, 12 NOVEMBER 2017

## IWXXM IMPLEMENTATION

- **Opening Ceremony:** Workshop Introduction and set the scene
- **Outcomes of APAC/EUR/MID SWIM Workshop**
- **Global development related to IWXXM**
- **Regional guidance material**
- **Possible translation agreements**
- **Implementation status & survey**

## DAY 2 – MONDAY, 13 NOVEMBER 2017

## IWXXM IMPLEMENTATION / ROC

## IMPLEMENTATION – STATUS, CHALLENGES & LESSONS LEARNED

- **Bilateral testing**
- **State example of challenges and lessons learned**
- **Update to IWXXM implementation survey results**
- **ROC implementation status, challenges and lessons learned**
- **Conclusions and closing Ceremony**



- Implementation of B0-AMET is below the expectation
  - mainly QMS implementation and outstanding issues related to implementation of ROC Jeddah
- Annex 3 ambiguities
  - Entire FIR for SIGMET, N OF LINE, APRX
  - Vagueness of time in some areas (e.g. trend)
  - Until Amdt 78, did not include non-operational status (test, exercise)
- Efforts in implementation of B1 Modules requires regional coordination
- IWXXM schema 3.0 will not be backwards compatible with 2.1
- Outstanding implementation issues addressed by WG-MIE
  - Many issues such as compression type need to be addressed at global level
- States planning for necessary resources
  - Cost (human and finances) of software changes expected every two years
- Implementation of P3 interface with extended capability (NOC)
- Using IWXXM data in ATIS and VOLMET
- Cyber security



- Completion of B0-AMET implementation
  - QMS implementation necessary
  - Action for Kuwait, ROC Jeddah, Iran on receiving EUR data
- Possibly relax constraints of Annex 3 in future IWXXM schemas
  - 2 ash clouds in SIGMET only allowed in Annex 3
- Address ambiguities in Annex 3
  - Best practices in avoiding vagueness of time (e.g. trend)
- Disseminate information on WG-MIE decisions (e.g. compression) to MET groups and CNS groups
  - Also provide feedback on implementation
- MIDANPIRG Sub-Groups (MET, CNS, AIM, ATM) need to continue work in their respective domains to facilitate planning for digital data provision in support to SWIM
  - Different disciplines work together
  - Conduct workshops when necessary
  - Progress will allow for consideration of future SWIM group
- IWXXM schema versions not backward compatible may require running three non-compatible versions (past, current, future) for an interim period



- Relevant MIDANPIRG subsidiary bodies to keep pace of global SWIM developments
  - Update regional guidance accordingly
- States to support IWXXM implementation and further upgrades to the schema
  - Via contract or internally
- States deploy P3 interface with extended services (File Transfer Body Part) at NOCs
- States keep abreast of global developments on human readable representation of IWXXM data (e.g. for ATIS, VOLMET)
- Cyber security issue should be considered



- Encourage States and Stakeholders to support States in IWXXM Implementation, in line with ICAO NCLB initiative
- The Workshop emphasized that States develop an action plan related to IWXXM implementation as well as other disciplines in association with AIXM and FIXM implementation in order to enable SWIM.
- The workshop was successful in achieving its objective; and such workshops/ seminars should be conducted on regular basis - next one after IWXXM schema 3.0.0 released (2019)





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THANK YOU