International Civil Aviation Organization

FIFTEENTH MEETING OF THE ASIA/PACIFIC METEOROLOGICAL INFORMATION EXCHANGE WORKING GROUP (MET/IE WG/15)

Bangkok, Thailand, 20 – 22 March 2017

Agenda Item 5: Quality control, monitoring and management of meteorological information exchange.

OPMET EXCHANGE BETWEEN ASIA/PAC AND MIDDLE EAST REGION

(Presented by Thailand)

SUMMARY

This paper presents an update on quality control of the OPMET exchange between MID and APAC region.

1. INTRODUCTION

1.1 Bangkok RODB is assigned by ICAO to operate as Inter-regional OPMET Gateway (IROG) with the responsibility of exchanging OPMET information between ASIA/PAC and Middle East Region with reference to the ASIA/PAC ROBEX Handbook.

1.2. According to MIDANPIRG/14 (JEDDAH, SAUDI ARABIA 15-19 December 2013, the meeting adopted the conclusion 14/30 to establish MID Regional OPMET Centre:

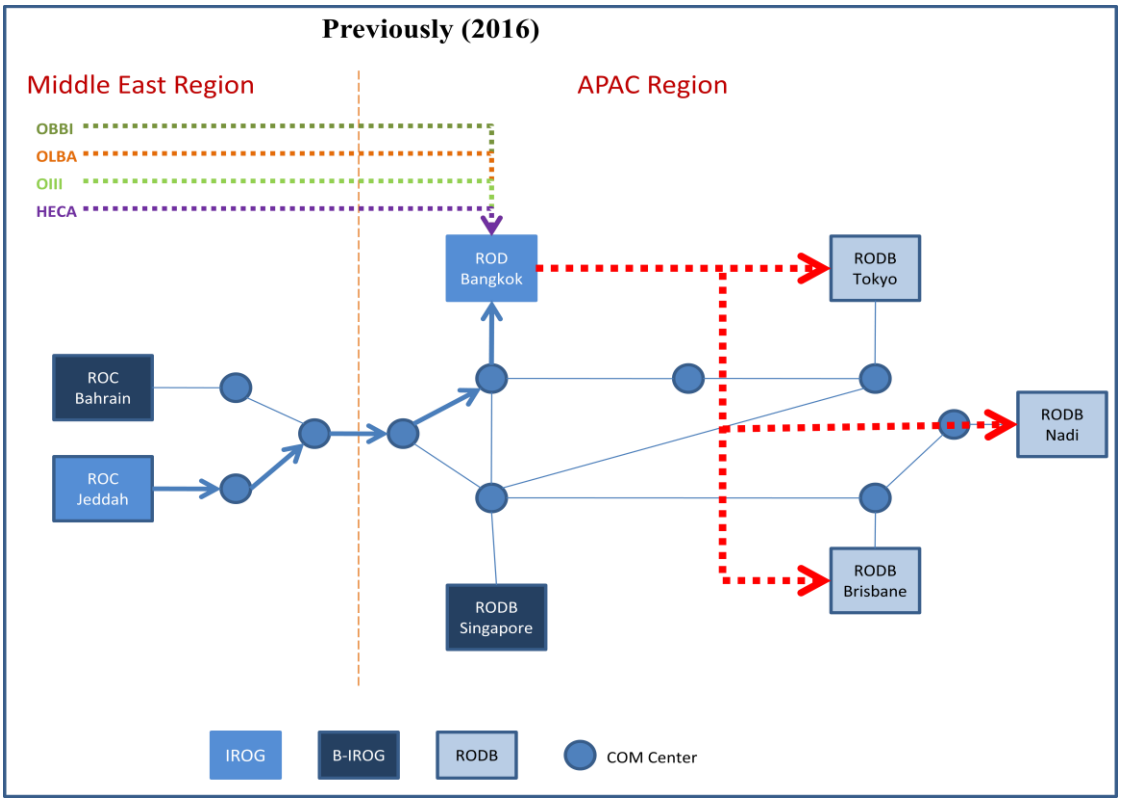
a) Saudi Arabia in coordination with ICAO establish a MID Regional OPMET Centre (ROC) by the first half of 2015 to improve the regional and Inter-regional OPMET efficiency;

b) Bahrain in coordination with ICAO establish a back-up regional OPMET centre (ROC); and

c) MID states be encouraged to continue cooperation in the exchange of OPMET data in the MID Region

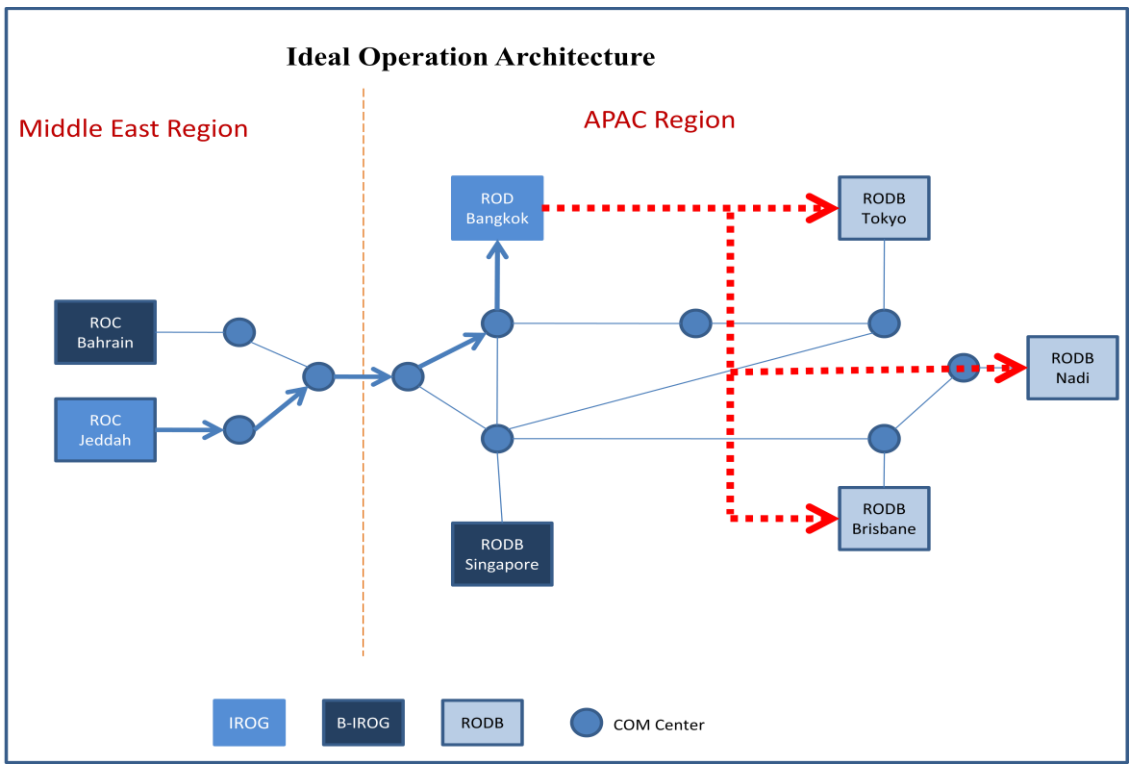
1.3 Bangkok IROG began relaying APAC OPMET bulletins to Jeddah IROG and Bahrain Backup-IROG on 15 May 2015. In line with this implementation, all APAC ROBEX Centers were informed to stop transmitting their OPMET to MID states.

1.4 Similarly, Bangkok IROG expected to receive MID OPMET bulletins solely from Jeddah ROC. However, redundant messages were received from OBBI, OIII, OLBA, and HECA at Bangkok IROG.



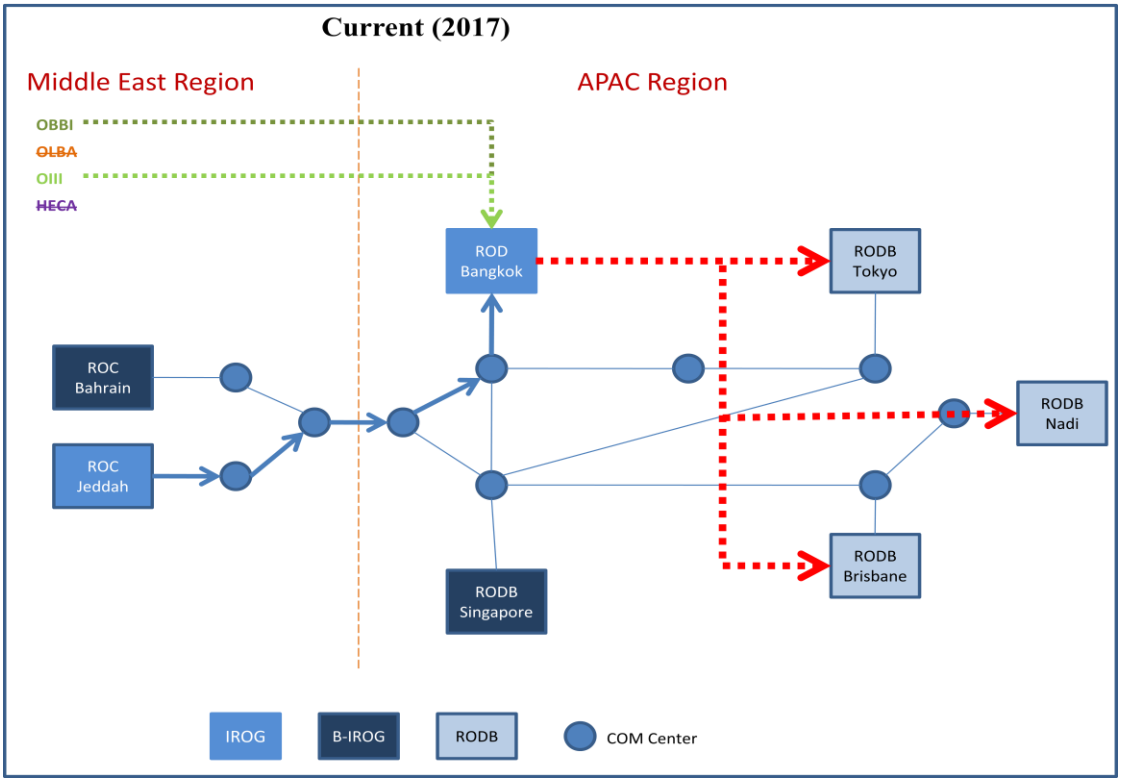
2. DISCUSSION

2.1 Bangkok contacted Jeddah ROC on the redundancy of OPMET from other MID states and discussed the ideal architecture framework of the operation as stated in the figure below



2.2 After working with Jeddah ROC and asking them to stress the importance of the architecture framework to other RODBs in MID region, Bangkok IROG has partially reduced the redundant messages by half. Eliminating redundant OPMET messages from MID region has significant implication to Meteorological data exchange quality control.

2.3 Current operation is explained in the figure below



2.4 OBBI and OIII are still sending redundant messages to Bangkok IROG.

2.5 Bangkok IROG will continue working with MID states and improve the quality of OPMET data exchange between the two regions.

3. ACTION REQUIRED BY THE MEETING

3.1 The meeting is invited to:

a) note the information contained in this papers; and

b) discuss any relevant matters as appropriate.

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