



International Civil Aviation Organization

MIDANPIRG/20 and RASG-MID/10 Meetings

(Muscat, Oman, 14 – 17 May 2023)

Agenda Item 6.5: ATM/SAR

**INTRODUCTION OF ATC CONDITIONAL ROUTES DURING 2022 FIFA WORLD
CUP HELD IN DOHA**

(Presented by Sultanate of Oman)

SUMMARY

This paper presents the CAA Oman's initiatives and activities that were aimed at introducing ATC Conditional Routes during 2022 FIFA World Cup (FWC 2022) held in Doha.

1. INTRODUCTION

1.1 As introduction of conditional route (CDR 3) was a new experience for Oman, several stakeholders' meetings were held to evaluate the future traffic demand created by the FWC 2022 and understand the needs for appropriate actions.

1.2 Final decision to implement the conditional route was taken with the stakeholders' consent.

1.3 The objective of the conditional route was to facilitate safe, efficient and streamlined traffic flow to and from Doha via Oman FIR.

2. DISCUSSION

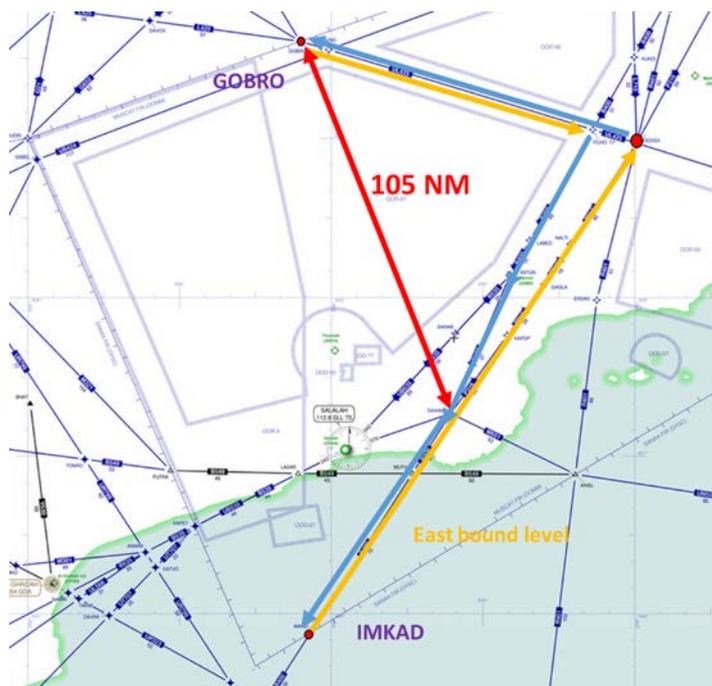
2.1 As a preparation to implement the CDR 3:

- i Data statistics were gathered and evaluated for the suitable timing and levels to be used.
- ii ATC simulations were conducted to evaluate and assess the risks.
- iii DGCAR was consulted for guidance and approvals.

2.2 A committee was established who conducted several rounds of meetings with stakeholders- Oman CAA, Royal Air-force of Oman, Jeddah ATC and Qatar Airways.

2.3 Team was assigned with the dedicated ATFM related tasks and several meetings were conducted in collaboration with FIFA World Cup 2022 Task Force (FWC2022 TF/5).

2.4 Inbound and outbound traffic flow via Oman FIR along the CDR 3 was managed as per the charts mentioned below:



2.5 The benefits from establishing the CDR3 are briefly shown in the tables below:

South bound (DOH-NBO)

A/C TYPE	FUEL	TIME	CO2 reduction (kg)
A320	400kgs	10mins	1260
A359	900kgs	10mins	2835
B787	700kgs	10mins	2205
B77W	1200kgs	8mins	3780

Northbound (NBO-DOH)

A/C TYPE	FUEL	TIME	CO2 reduction (kg)
A320	500kgs	12mins	1575
A359	1200kgs	12mins	3780
B787	1000kgs	11mins	3015
B77W	1500kgs	12mins	4725

2.6 To effectively collaborate and coordinate the planned activities, the CDM channel was established with stakeholders.

2.7 As the FWC event was successful and there had no negative impact on Oman airspace operations, Oman CAA believes that the conditional route CDR 3 was successfully implemented.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the information contained in this paper.



FWC
CDR3



Traffic from IMKAD - GOBRO GOBRO - IMKAD

- RNAV-1
- FL 340-400
- Time 1500 – 0300 UTC
- Level changes inside the CDR
- Box 2: 127.7

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Thank you

