SULTANATE OF OMAN
CIVIL AVIATION AUTHORITY

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AIRAC AIP AMDT 3/24
Publication Date
31 OCT 2024

https://aim.caa.gov.om

SULTANATE OF OMAN AERONAUTICAL INFORMATION PUBLICATION

AIRAC 3/2024 - EFFECTIVE DATE: 28 Nov 2024

- Record entry of AIRAC AMDT on the page GEN 0.2-2.
- This current version comprises all existing information contained in the following publications which are cancelled hereby.

AIP SUP: None
AIC: None
NOTAM: None

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No./Year	**Publication Date**	**Effective Date**	**Inserted By**
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PART -1 GENERAL (GEN)

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GEN 2

GEN 3

GEN 4

PART -2 EN-ROUTE (ENR)

ENR 0

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AD 2.OOMS-33	13 JUN 24	AD 2.OOMX-5	13 JUN 24	AD 2.OOSA-29	9 NOV 17
AD 2.OOMS-34	5 OCT 23	AD 2.OOMX-6	13 JUN 24	AD 2.OOSA-31	9 NOV 17
AD 2.OOMS-35	5 OCT 23	AD 2.OOMX-7	13 JUN 24	AD 2.OOSA-33	25 APR 19
AD 2.OOMS-37	13 JUN 24	AD 2.OOMX-8	13 JUN 24	AD 2.OOSA-35	25 APR 19
AD 2.OOMS-39	13 JUN 24	AD 2.OOMX-9	13 JUN 24	AD 2.OOSA-36	9 NOV 17
AD 2.OOMS-41	13 JUN 24	AD 2.OOMX-10	9 MAY 24	AD 2.OOSA-37	25 APR 19
AD 2.OOMS-43	28 NOV 24	AD 2.OOMX-11	9 MAY 24	AD 2.OOSA-39	25 APR 19
AD 2.OOMS-45	5 OCT 23	AD 2.OOMX-12	13 JUN 24	AD 2.OOSA-40	9 NOV 17
AD 2.OOMS-47	5 OCT 23	AD 2.OOMX-13	9 MAY 24	AD 2.OOSA-41	25 APR 19
AD 2.OOMS-49	13 JUN 24	AD 2.OOMX-14	9 MAY 24	AD 2.OOSA-43	25 APR 19
AD 2.OOMS-51	5 SEP 24	AD 2.OOMX-15	6 OCT 22	AD 2.OOSA-45	9 NOV 17
AD 2.OOMS-53	13 JUN 24	AD 2.OOMX-17	6 OCT 22	AD 2.OOSA-46	9 NOV 17
AD 2.OOMS-55	5 OCT 23	AD 2.OOMX-19	23 APR 20	AD 2.OOSA-47	25 APR 19
AD 2.OOMS-56	5 OCT 23	AD 2.OOMX-21	23 APR 20	AD 2.OOSA-49	25 APR 19
AD 2.OOMS-57	13 JUN 24	AD 2.OOMX-23	6 OCT 22	AD 2.OOSA-51	9 NOV 17
AD 2.OOMS-59	13 JUN 24	AD 2.OOMX-24	23 APR 20	AD 2.OOSA-52	9 NOV 17
AD 2.OOMS-61	5 OCT 23	AD 2.OOMX-25	6 OCT 22	AD 2.OOSA-53	25 APR 19
AD 2.OOMS-62	5 OCT 23	AD 2.OOMX-26	23 APR 20	AD 2.OOSA-55	22 APR 21
AD 2.OOMS-63	5 OCT 23	AD 2.OOMX-27	6 OCT 22	AD 2.OOSA-57	22 APR 21
AD 2.OOMS-65	13 JUN 24	AD 2.OOMX-28	23 APR 20	AD 2.OOSA-59	23 APR 20
AD 2.OOMS-67	13 JUN 24	AD 2.OOMX-29	6 OCT 22	AD 2.OOSA-61	23 APR 20
AD 2.OOMS-69	5 OCT 23	AD 2.OOMX-30	23 APR 20	AD 2.OOSA-63	25 APR 19
AD 2.OOMS-70	5 OCT 23	AD 2.OOMX-31	6 OCT 22	AD 2.OOSA-64	11 OCT 18
AD 2.OOMS-71	13 JUN 24	AD 2.OOMX-32	23 APR 20	AD 2.OOSA-65	25 APR 19
AD 2.OOMS-73	13 JUN 24	AD 2.OOMX-33	6 OCT 22	AD 2.OOSA-66	11 OCT 18
AD 2.OOMS-75	13 JUN 24	AD 2.OOMX-34	23 APR 20	AD 2.OOSA-67	25 APR 19
AD 2.OOMS-76	13 JUN 24			AD 2.OOSA-69	25 APR 19
AD 2.OOMS-77	13 JUN 24	AD 2.OOSA-1	9 MAY 24	AD 2.OOSA-71	25 APR 19
AD 2.OOMS-79	5 OCT 23	AD 2.OOSA-2	13 JUN 24		
AD 2.OOMS-80	5 OCT 23	AD 2.OOSA-3	13 JUN 24	AD 2.OOSH-1	9 MAY 24
AD 2.OOMS-81	13 JUN 24	AD 2.OOSA-4	13 JUN 24	AD 2.OOSH-2	28 NOV 24
AD 2.OOMS-83	13 JUN 24	AD 2.OOSA-5	13 JUN 24	AD 2.OOSH-3	13 JUN 24
AD 2.OOMS-85	5 OCT 23	AD 2.OOSA-6	13 JUN 24	AD 2.OOSH-4	13 JUN 24
AD 2.OOMS-86	5 OCT 23	AD 2.OOSA-7	13 JUN 24	AD 2.OOSH-5	13 JUN 24
AD 2.OOMS-87	13 JUN 24	AD 2.OOSA-8	13 JUN 24	AD 2.OOSH-6	9 MAY 24
AD 2.OOMS-89	13 JUN 24	AD 2.OOSA-9	13 JUN 24	AD 2.OOSH-7	9 MAY 24
AD 2.OOMS-91	13 JUN 24	AD 2.OOSA-10	13 JUN 24	AD 2.OOSH-8	13 JUN 24
AD 2.OOMS-93	13 JUN 24	AD 2.OOSA-11	13 JUN 24	AD 2.OOSH-9	13 JUN 24

AD 2.OOSH-10	13 JUN 24
AD 2.OOSH-11	13 JUN 24
AD 2.OOSH-12	13 JUN 24
AD 2.OOSH-13	13 JUN 24
AD 2.OOSH-14	13 JUN 24
AD 2.OOSH-15	5 OCT 23
AD 2.OOSH-17	13 JUN 24
AD 2.OOSH-19	13 JUN 24
AD 2.OOSH-21	7 OCT 21
AD 2.OOSH-23	7 OCT 21
AD 2.OOSH-25	6 OCT 22
AD 2.OOSH-26	7 OCT 21
AD 2.OOSH-27	6 OCT 22
AD 2.OOSH-28	7 OCT 21
AD 2.OOSH-29	6 OCT 22
AD 2.OOSH-30	7 OCT 21
AD 2.OOSH-31	6 OCT 22
AD 2.OOSH-32	7 OCT 21
AD 2.OOSH-33	7 OCT 21
AD 2.OOSH-34	7 OCT 21
AD 2.OOSH-35	7 OCT 21
AD 2.OOSH-36	7 OCT 21

AD 2.OOSQ-1	9 MAY 24
AD 2.OOSQ-2	9 MAY 24
AD 2.OOSQ-3	9 MAY 24
AD 2.OOSQ-4	9 MAY 24
AD 2.OOSQ-5	9 MAY 24
AD 2.OOSQ-6	9 MAY 24

AD 3

AD 3-1	9 MAY 24

GEN 0.6 TABLE OF CONTENTS TO PART 1

GEN 1.7 DIFFERENCES FROM ICAO STANDARDS, RECOMMENDED PRACTICES AND PROCEDURES

ANNEX 1 - PERSONNEL LICENSING (FOURTEENTH EDITION)

Reference	Difference
Nil.	Nil.

ANNEX 2 - RULES OF THE AIR (TENTH EDITION)

Reference	Difference
4.4	No VFR flights above FL150.

ANNEX 3 – METEOROLOGY SERVICE FOR INTERNATIONAL AIR NAVIGATION (TWENTIETH EDITION)

Reference	Difference
Nil.	Nil.

ANNEX 4 - AERONAUTICAL CHARTS (ELEVENTH EDITION)

Reference	Difference
1.2.2	Charts comply with the standards and recommended practices of Annex 4, except those to which a difference has been notified to ICAO.
2.1.8	The sheet size of the charts is 210 x 297mm (A4).
5.2	The Aerodrome Terrain and Obstacle Chart - ICAO (Electronic) is not provided.
11.4	The sheet size is 210 x 297mm (8.27 x 11.69in) (A4).
12.4	The sheet size is 210 x 297mm (8.27 x 11.69in) (A4).
17.1	The Aeronautical Chart - ICAO 1:500 000 is not provided.
18.1	The Aeronautical Navigation Chart - ICAO small scale is not provided.
19.1	The Plotting Chart - ICAO is not provided.
20.1	The Electronic Aeronautical Chart Display - ICAO is not provided.

ANNEX 5 - UNITS OF MEASUREMENT TO BE USED IN AIR AND GROUND OPERATIONS (FIFTH EDITION)

Reference	Difference
Nil.	Nil.

ANNEX 6 - OPERATION OF AIRCRAFT (PART I, TWELFTH EDITION, PART II, ELEVENTH EDITION, PART III, ELEVENTH EDITION)

Reference	Difference
PART I	Nil.
PART II	Nil.
PART III	Nil.

ANNEX 7 - AIRCRAFT NATIONALITY AND REGISTRATION MARKS (SIXTH EDITION)

Reference	Difference
Nil.	Nil.

ANNEX 8 - AIRWORTHINESS OF AIRCRAFT (THIRTEENTH EDITION)

Reference	Difference
Nil.	Nil.

ANNEX 9 - FACILITATION (SIXTEENTH EDITION)

Reference	Difference
2.5	A General Declaration is required.
2.7.2	A Passenger Manifest is required.
2.9	A Cargo Manifest is required.
2.13	Four copies of the General Declaration are required. Six copies of the Passenger Manifest are required. Four copies of the Cargo Manifest are required.
2.16	Five copies of the General Declaration are required. Six copies of the Passenger Manifest are required. Four copies of the Cargo Manifest are required.
2.19	Documents accepted in English or Arabic only.
2.37	Seventy-two-hour notice is required for all non-scheduled international flights, and is subject to approval from the CAA.
3.5	Visas required for all foreign nationals (see exceptions on

Reference	Difference
	page GEN 1.3-1 paragraph 1.1.)
3.6	A charge is usually made for the issue of a visa.
3.8.3	Visas for temporary visitors normally valid for three months and one entry only.
3.23	No facilities exist.
3.25	A valid passport is the only document acceptable; all crew members must travel in uniform.
3.39.5	The operator of an aircraft may be fined, at the discretion of the immigration authority, if he transports to the Sultanate of Oman any person not in possession of the requisite entry documents. Additionally, the operator will also be required to repatriate such persons at his own expense.
6.37.1	Left luggage facilities available.

ANNEX 10 - AERONAUTICAL TELE-COMMUNICATIONS (VOL I, EIGHTH EDITION, VOL II, SEVENTH EDITION, VOL III, SECOND EDITION, VOL IV, FIFTH EDITION, VOL V, THIRD EDITION)

Reference	Difference
VOL I	Nil.
VOL II	Nil.
VOL III	Nil.
VOL IV	Nil.
VOL V	Nil.

ANNEX 11 - AIR TRAFFIC SERVICES (FIFTEENTH EDITION)

Reference	Difference
Nil.	Nil.

11.1 PROCEDURES FOR AIR NAVIGATION SERVICES - AND AIR TRAFFIC MANAGEMENT (PANS-ATM, DOC 4444) (SIXTEENTH EDITION)

Reference	Difference
Nil.	Nil.

ANNEX 12 - SEARCH AND RESCUE (EIGHTH EDITION)

Reference	Difference
Nil.	Nil.

ANNEX 13 - AIRCRAFT ACCIDENT AND INCIDENT INVESTIGATION (TWELFTH EDITION)

Reference	Difference
Nil.	Nil.

ANNEX 14 - AERODROMES (VOL I, NINTH EDITION, VOL II, FIFTH EDITION)

Reference	Difference
VOL I	Nil.
VOL II	Nil.

ANNEX 15 - AERONAUTICAL INFORMATION SERVICES (SIXTEENTH EDITION)

Reference	Difference
Nil.	Nil.

15.1 PROCEDURES FOR AIR NAVIGATION SERVICES - AERONAUTICAL INFORMATION MANAGEMENT (PANS-AIM, DOC 10066) (FIRST EDITION)

Reference	Difference
Nil.	Nil.

ANNEX 16 - ENVIRONMENTAL PROTECTION (VOL I, EIGHTH EDITION, VOL II, FIFTH EDITION, VOL III FIRST EDITION, VOL IV SECOND EDITION)

Reference	Difference
VOL I	Nil.
VOL II	Nil.
VOL III	Nil.
VOL IV	Nil.

ANNEX 17 - SECURITY - SAFEGUARDING INTER- NATIONAL CIVIL AVIATION AGAINST ACTS OF UNLAWFUL INTERFERENCE (TWELFTH EDITION)

Reference	Difference
Nil.	Nil.

ANNEX 18 - THE SAFE TRANSPORT OF DANGEROUS GOODS BY AIR (FOURTH EDITION)

Reference	Difference
Nil.	Nil.

ANNEX 19 - SAFETY MANAGEMENT (SECOND EDITION)

Reference	Difference
Nil.	Nil.

20. REGIONAL SUPPLEMENTARY PROCEDURES (DOC 7030) (FIFTH EDITION)

Reference	Difference
Nil.	Nil.

d) NOTAM;

e) Aeronautical Information Circulars (AICs); and

f) Aeronautical Charts.

NOTAM and the relatetd monthly checklists are issued via the AFS.

4. DISTRIBUTION OF PUBLICATIONS

4.1 AIM Publication

All AIM publications are available on CAA website: https://aim.caa.gov.om/

4. 2 NOTAM

NOTAM are used mainly for notification of temporary information of timely significance, unforeseen changes in service abilities etc., or any other emergency; they are distributed by NOF as follows:

a) Series A-NOTAM containing full information on all airports, facilities and procedures available for use by international civil aviation, promulgated both internationally and nationally.

b) Series B-NOTAM containing information of concern to aircraft other than those engaged in international civil aviation, promulgated nationally.

c) Series S-SNOWTAM information providing a runway surface condition report notifying the presence or cessation of hazardous condition due to standing water on the movement area. SNOWTAM are prepared in accordance with PANS-AIM, Appendix 4, and are issued for individual aerodrome by Muscat NOF with separate serial number.

The international NOTAM office will allocate to each NOTAM a series identified by a letter and a four-digit number followed by a stroke and a two-digit number of the year. The four-digit number will be consecutive and based on the calendar year.

A checklist of valid NOTAM is issued as a NOTAM checklist at intervals of not more than one month.

NOTAMs are exchanged between Muscat NOF and other NOF as follows:

SENT TO NOF

Abu Dhabi	Dar Es Salaam	Nairobi
Addis Ababa	Delhi	Nicosia
Amman	Dhaka	Paris
Amsterdam	Djibouti	Perth
Ankara	Frankfurt	Rome
Athens	Helsinki	Sanaa
Baghdad	Hong Kong	Shannon

Bahrain	Jeddah	Singapore
Bangkok	Karachi	Stockholm
Beijing	Katunayake	Sydney
Beirut	Kolkata	Tehran
Belgrade	Kuala Lumpur	Vienna
Berlin	Kuwait	Zurich
Brussels	London	Brunei
Bucharest	Madrid	Jakarta
Cairo	Manila	Maldives
Chennai	Mogadishu	Morocco
Copenhagen	Moscow	Seychelles
Damascus	Mumbai	USA

RECEIVED FROM NOF

Abu Dhabi	Dar Es Salaam	Mogadishu
Addis Ababa	Delhi	Mumbai
Amman	Dhaka	Nairobi
Amsterdam	Djibouti	Nicosia
Ankara	Frankfurt	Sanaa
Athens	Hong Kong	Shannon
Baghdad	Jakarta	Singapore
Bahrain	Jeddah	Tehran
Bangkok	Karachi	Vienna
Beirut	Katunayake	Yangon
Belgrade	Khartoum	Zurich
Brussels	Kolkata	
Cairo	Kuala Lumpur	Brunei
Chennai	Kuwait	Seychelles
Damascus	London	

5. THE AIRAC SYSTEM

5.1 In order to control and regulate the flow of changes requiring amendments to charts, route-manuals etc., such changes, whenever possible, will be issued.

5.2 AIRAC information will be issued so that the information will be received by the user not later than 28 days, and for major changes not later than 56 days, before the effective date.

SCHEDULE OF AIRAC EFFECTIVE DATES

2023	2024	2025	2026	2027
26 JAN	25 JAN	23 JAN	22 JAN	21 JAN
23 FEB	22 FEB	20 FEB	19 FEB	18 FEB
23 MAR	21 MAR	20 MAR	19 MAR	18 MAR
20 APR	18 APR	17 APR	16 APR	15 APR
18 MAY	16 MAY	15 MAY	14 MAY	13 MAY
15 JUN	13 JUN	12 JUN	11 JUN	10 JUN
13 JUL	11 JUL	10 JUL	09 JUL	08 JUL
10 AUG	08 AUG	07 AUG	06 AUG	05 AUG
07 SEP	05 SEP	04 SEP	03 SEP	02 SEP
05 OCT	03 OCT	02 OCT	01 OCT	30 SEP
02 NOV	31 OCT	30 OCT	29 OCT	28 OCT
30 NOV	28 NOV	27 NOV	26 NOV	25 NOV
28 DEC	26 DEC	25 DEC	24 DEC	23 DEC

6. PRE-FLIGHT INFORMATION SERVICE AT AERODROMES

A self-briefing pre-flight information service is available at each of the following aerodromes, with the coverage indicated.

Aerodrome	Coverage
MUSCAT/Muscat International and Salalah	Belgium, Cyprus, Egypt, France, Germany, Greece, India, Iran, Kenya, Kuwait, Malaysia, Netherlands, Pakistan, Saudi Arabia, Serbia, Spain, Switzerland, Sri Lanka, Turkey, UAE, UK, Georgia.

4. AERONAUTICAL CHARTS SERIES AVAILABLE

4.1 The following are produced and published by the CAA:

a) Aerodrome Obstacle Chart - ICAO Type A

b) Aerodrome Obstacle Chart - ICAO Type B

c) Precision Approach Terrain Chart - ICAO

d) Enroute Charts - ICAO

e) Terminal Area Chart - ICAO

f) Standard Departure Chart Instrument (SID) - ICAO

g) Standard Arrival Chart Instrument (STAR) - ICAO

h) Instrument Approach Chart - ICAO

i) Visual Approach Chart - ICAO

j) Aerodrome Chart - ICAO

k) Aerodrome Ground Movement Chart - ICAO

l) Aircraft Parking/Docking Chart - ICAO

m) World Aeronautical Chart - ICAO 1:1 000 000

n) ATC Surveillance Minimum Altitude Chart - ICAO

Note: Not all these charts are produces for each aerodrome. Charts are produced when required in accordance with Annex 4 Standards and Recommended Practices.

4.2 General description of each series:

a) Aerodrome Obstacle Chart - ICAO Type A

These are available for ADs designated for use by international commercial air transport. The scales used are 1 : 20 000 (horizontal) and 1 : 2 000 (vertical). The charts, showing a plan and profile of each RWY (including any associated SWY and CWY), take-off flight path area, any significant obstructions and relevant declared distances, are included in AD 2.

b) Aerodrome Obstacle Chart - ICAO Type B

These charts at scale of 1:20 000 show the topography and the obstacles in the vicinity of the

airport. They are intended to be used by and to assist flight crews in determination of the minimum safe altitude/height during departure and arrival phase including those for circling procedures the pre-determination of procedures for use in the event of an emergency during take-off or landing and are included in AD 2.

c) Precision Approach Terrain Chart - ICAO

These charts provide detailed terrain profile information within a defined portion of the final approach so as to enable aircraft operating agencies to assess the effect of the terrain on decision height determination by the use of radio altimeters. Those published are included in AD 2.

d) Enroute Charts - ICAO

This chart is produced for the entire Oman FIR. The aeronautical data include all aerodrome, prohibited, restricted and danger areas and the air traffic service systems in detail. The chart provides the flight crew with information that will facilitate navigation along ATS routes in compliance with air traffic services procedures.

e) Terminal Area Chart - ICAO

These are available for Muscat TMA and depict arrival, departure and transit routes and holding patterns. They are designed to facilitate transition between Radio Navigation Charts and Instrument Approach Charts and are included in AD 2.

f) Standard Departure Chart Instrument (SID) - ICAO

These charts are produced whenever a standard departure route - instrument has been established and cannot be shown with sufficient clarity on the Area Chart - ICAO.

The aeronautical data shown include the aerodrome of departure, aerodrome(s) which affect the designated standard departure route - instrument, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will be enable them to comply with the designated standard departure route - instrument from the take-off phase to the enroute phase. Those published are included in AD 2.

g) Standard Arrival Chart Instrument (STAR) - ICAO

These charts are produced whenever a standard arrival route - instrument has been established and cannot be shown with sufficient clarity on the Area Chart - ICAO.

The aeronautical data shown include the aerodrome of landing, aerodrome(s) which affect the designated standard arrival route - instrument, prohibited, restricted and danger areas and the air traffic services system. This chart provides flight crew with information that will enable them to comply with the designated standard arrival route - instrument from the enroute phase to the approach phase. Those published are included in AD 2.

h) Instrument Approach Chart - ICAO

These are available for ADs where instrument approach procedures have been established and approved by the Flight Operations Section of the CAA. A separate chart is published for each

procedure showing plan and profile views of holding, approach and missed approach, radio facilities and relevant topographical information. Those published are included in AD 2.

i) Visual Approach Chart - ICAO

These are designed to provide pilots with a graphic presentation of approaches to ADs by visual reference, whether or not previous reference has been made to either a Radio or Visual Navigation Chart. Those published are included in AD 2.

j) Aerodrome Chart - ICAO

These are available for ADs designated for use by international commercial air transport and are designed to facilitate ground movement between RWYs and aprons. They show a plan view of the movement area and depict visual aids, radio installations, terminal buildings, ARP, RWY marking, lighting and, at an enlarged scale TWY and apron marking.

k) Aerodrome Ground Movement Chart - ICAO

This supplementary chart shall provide flight crews with detailed information to facilitate the ground movement of aircraft to and from the aircraft stands and the parking/ docking of aircraft.

l) Aircraft Parking/Docking Chart - ICAO

This chart is produced for those aerodromes where, due to complexity of the terminal facilities, the information cannot be shown with sufficient clarity on the Aerodrome/ Heliport Chart - ICAO.

This supplementary chart provides flight crews with detailed information to facilitate the ground movement of aircraft between the taxiways and the aircraft stands and the parking/docking of aircraft. Those published are included in AD 2.

m) World Aeronautical Chart - ICAO 1 : 1 000 000

These are published by Oman Authorities and available from the Civil Aviation Authority listed in 3.1. They constitute the Oman territory. Designed for pre-flight planning and pilotage, they are constructed on the Lambert Conformal Conic Projection and depict the main planimetric features and relief data and basic aeronautical information.

n) ATC Surveillance Minimum Altitude Chart - ICAO

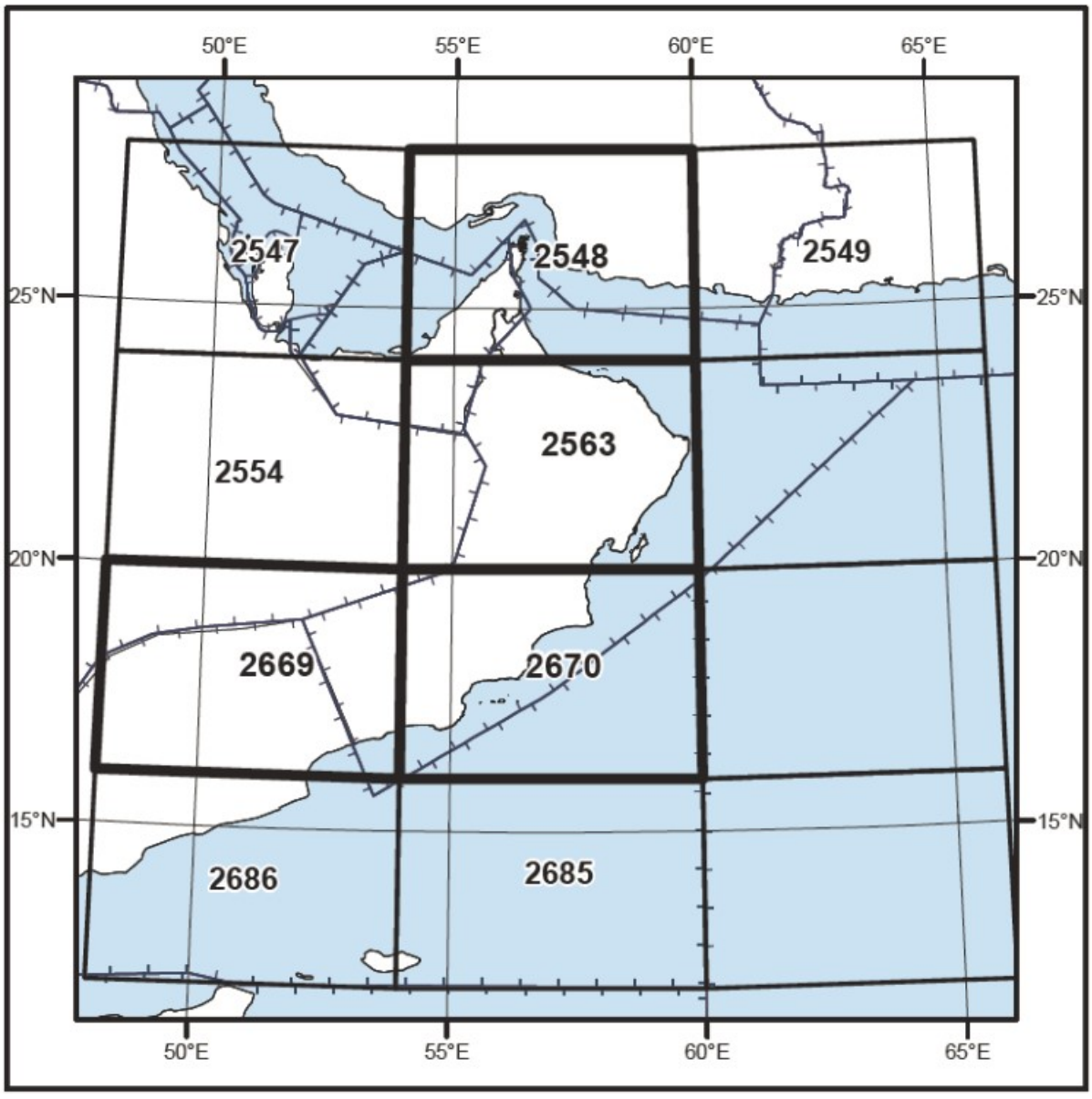
This chart is supplementary to the Area Chart and provides information which will enable flight crews to monitor and cross-check altitudes assigned while under radar control.

5. LIST OF AERONAUTICAL CHARTS AVAILABLE

A list of the available aeronautical charts can be found in the table below,
ENR 6 and appropriate AD 2.24 sections.

TITLE OF SERIES	SCALE	CHART NAME AND/OR NUMBER		PRICE PER SHEET RO.	DATE
World Aeronautical Chart-ICAO (WAC)	1:1 000 000	WORLD AERONAUTICAL CHART	2548-2563-2669-2670	70 OMR	5 OCT 23

6. INDEX TO THE WORLD AERONAUTICAL CHART (WAC) - ICAO 1:1 000 000



7. TOPOGRAPHICAL CHARTS

Not available.

8. CORRECTIONS TO CHARTS NOT CONTAINED IN THE AIP

8.1 Amendments to aeronautical data are included in other sections of this AIP without specific reference to the charts affected. Only obstacles of a height of 100M (328 FT) or more above ground (AGL) are depicted on WAC. The coordinates used are not necessarily derived from a WGS-84 survey made to aeronautical data quality standards.

8.2 Obstacles exceeding heights of 100M (328 FT) AGL reported to AIM Department that are not depicted on the WAC:

Nil

GEN 3.7 INFORMATION SERVICES

GEN 3.7.1 SYSTEM-WIDE INFORMATION MANAGEMENT (SWIM) REGISTRY / INFORMATION SERVICE OVERVIEW.

NIL

ENR 3.2 AREA NAVIGATION ROUTES

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
A454 (RNAV 5)						
◆ TAPDO (FIR Boundary) 242400.00N 0612000.00E						X-ing G652 FIR OOMM, OPKR
	255° 124 NM		UNL FL150 Class A		EVEN ↓	MOCA 3000FT Lateral Limits (NM) : 10 NM
◇ VUSET 235540.00N 0590812.00E						X-ing M877, N571, R462, T500
	288° 32 NM		UNL FL150 Class A		EVEN ↓	MOCA 3000FT Lateral Limits (NM) : 10 NM
◇ UMEKO 240620.00N 0583450.00E						
	288° 62 NM		UNL FL150 Class A		EVEN ↓	MOCA 3000FT Lateral Limits (NM) : 10 NM
◇ BORER 242623.00N 0573048.00E						
	287° 39 NM		UNL FL150 Class A		EVEN ↓	MOCA 3000FT Lateral Limits (NM) : 10 NM
◆						X-ing B540, M564, T509

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
PASOV 243841.00N 0565037.00E						Transfer of control point between OOMM and OMAE.
Muscat Control 128.15 MHz Flight Restrictions: Note 1: For traffic landing at northern UAE airports or overflying the northern UAE below FL200. Traffic will be required to cross fix PASOV at FL270 or below. All traffic destination OMDB via PASOV expect FL230 at PASOV. ATC may re-route traffic to TAPRA (M762) to facilitate the efficient flow of traffic into northern UAE airports. All traffic destination OMDW or OMDM expect FL180 at TAPRA, all traffic destination OMDB expect FL240 at TAPRA. Note 2: All traffic from TAPDO destination OMDW or OMDM shall route from PASOV-M564 via PUXIL to VAXAS. All traffic expect FL190 at PASOV. Note 3: All traffic from TAPDO destination OMSJ or OMRK shall route from VUSET via N571 to MENSA. All traffic expect FL160 at MENSA.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
A775 (RNAV 5)						
✦ REXOD (FIR boundary) 211230.00N 0613830.00E						X-ing L883, M762, N318, N563 FIR OOMM, VABF
	306° / 126° 118 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
◇ TUMET 222307.00N 0595702.00E						X-ing L555, T503

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	306° / 126° 40 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
IMDEK 224647.00N 0592217.00E						X-ing L444
	306° / 126° 26 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
OBTIN 230216.00N 0585920.00E						X-ing N881
	306° 38 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
KUSRA 232426.00N 0582611.00E						X-ing G652, M877, P574 Muscat Control 128.15 MHz
Muscat Control 126.55 MHz Flight Restriction: Note: Traffic entering the OOMM FIR at REXOD intending to land in OOMS or continuing to SOLUD for overlying OMAE FIR.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
A777 (RNAV 5)					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
◆ TONVO (FIR boundary) 250500.00N 0563200.00E						X-ing P307 FIR OOMM, OMAE
	101° 26 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ BUBAS 245938.00N 0570003.00E						X-ing P513
	102° 46 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ NADSO 244957.00N 0574926.00E						X-ing B505, B524
	116° 57 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ MUNGA 242516.00N 0584533.00E						X-ing M428
	116° 45 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ MIXOL 240523.00N 0592959.00E						X-ing R462
	116° 104 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
VAXIM 231900.00N 0611100.00E						X-ing L301, L430, P307
Muscat Control 119.80 MHz Flight Restriction: Note: Eastbound traffic from FL270-UNL overflying OMAE FIR and exiting OOMM FIR via DENDA, APELO or ALPOR shall route via TONVO-A777-NADSO and then B505 to EGTAL-R462 to DENDA or to continue on B505 to APELO or B524 to ALPOR. For traffic at or below FL250 route via LALDO-B505-EGTAL-R462-DENDA and LALDO-B505-APELO or LALDO-B505-NADSO-B524-ALPOR.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
A791 (RNAV 5)						
KUSEN (FIR boundary) 251828.00N 0562340.00E						FIR OOMM, OMAE Traffic entering the OOMM FIR via waypoints LALDO and IMLOT shall contact Muscat Control on 119.80 MHz.
	090° / 270° 11 NM		UNL 5500 FT CLASS A+C	ODD ↓	EVEN ↑	MOCA 5000 FT Lateral Limits (NM) : 20 NM
LALDO 251806.00N 0563600.00E						X-ing B505 Transfer of control point between OMAE and OOMM.

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	090° / 270° 12 NM		UNL 5500 FT CLASS A+C	ODD ↓	EVEN ↑	MOCA 5000 FT Lateral Limits (NM) : 20 NM
◆ GIDIL 251742.00N 0564923.00E						
	090° / 270° 17 NM		UNL 5500 FT CLASS A+C	ODD ↓	EVEN ↑	MOCA 5000 FT Lateral Limits (NM) : 20 NM
◆ IMLOT (FIR boundary) 251708.00N 0570804.00E						FIR OIIX, OOMM Transfer of control point between OIXX and OOMM.
Muscat Control 119.80 MHz Flight Restrictions: Note 1: Eastbound only below FL255. Note 2: Eastbound traffic overflying OMAE FIR on A791 between LALDO and IMLOT in the OOMM FIR: Only FL330 and FL390 available. Note 3: Traffic departing from northern UAE airports and routing via A791 can expect FL270.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
B400 (RNAV 5)						
◇ MCT DVOR/DME 233528.04N 0581536.48E						X-ing G216, L631, M303, P316, P513, Q978, T500, T502, T503, T505, T506, T508, T511
	212° / 032°		UNL FL150	ODD	EVEN	MOCA

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	14 NM		CLASS A	↑	↓	11000 FT Lateral Limits (NM) : 10 NM
ITURA 232351.00N 0580720.00E						X-ing L695, M762, P570
	212° / 032° 11 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
GEPOT 231446.00N 0580053.00E						X-ing G652, N629
	212° / 032°		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
GEVED 230105.00N 0575111.00E						X-ing N318, N881
	213° / 033° 9 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
IZK VOR/DME 225318.60N 0574542.73E						X-ing M628
	205° / 025° 37 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 4500 FT Lateral Limits (NM) : 10 NM
DARAT 222000.00N 0572830.00E						
	205° / 025°		UNL FL150	ODD	EVEN	MOCA 4500

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	40 NM		CLASS A	↑	↓	FT Lateral Limits (NM) : 10 NM
KEBAS 214330.00N 0570948.00E						X-ing N569
	205° / 025° 7 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 4500 FT Lateral Limits (NM) : 10 NM
ITSAG 213720.00N 0570640.00E						X-ing L692
	205° / 025° 23 NM		UNL FL15 CLASS A	ODD ↑	EVEN ↓	MOCA 4500 FT Lateral Limits (NM) : 10 NM
MEVLI 211632.00N 0565606.00E						X-ing L883
	205° / 025° 25 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 4500 FT Lateral Limits (NM) : 10 NM
VUTAP 205411.00N 0564449.00E						X-ing UB424
	205° / 025° 34 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 4500 FT Lateral Limits (NM) : 10 NM
ORSIT 202306.00N 0562915.00E						X-ing N315
	205° / 025°		UNL FL150	ODD	EVEN	MOCA 4500

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	27 NM		CLASS A	↑	↓	FT Lateral Limits (NM) : 10 NM
◆ HAI DVOR/DME 195813.31N 0561650.82E						X-ing L556, R401, R402
	209° 32 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4500 FT Lateral Limits (NM) : 10 NM
◇ KUKDI 193022.00N 0555953.00E						X-ing L710
	209° 31 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4500 FT Lateral Limits (NM) : 10 NM
◇ ITUVO 190315.00N 0554328.00E						X-ing UL425
	209° 48 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4500 FT Lateral Limits (NM) : 10 NM
◇ LABED 182135.00N 0551827.00E						
	209° 15 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4500 FT Lateral Limits (NM) : 10 NM
◇ ASTUN 180832.00N 0551040.00E						X-ing B535, UB535
	204° 57 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 7500 FT

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						Lateral Limits (NM) : 10 NM
DAXAM 171612.00N 0544715.00E						X-ing M551, P316
	212° / 034° 27 NM		UNL FL190 CLASS A	ODD ↑	EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
MUTVA 165325.00N 0543201.00E						X-ing B549
	212° / 034° 72 NM		UNL FL190 CLASS A	ODD ↑	EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
IMKAD (FIR boundary) 155245.00N 0535147.00E						Muscat Control 123.95 MHzFIR OOMM, OYSC
Flight Restrictions: Note 1: Traffic landing OOMS shall use P316 at DAXAM. Northbound traffic from SLL and Eastbound traffic shall use P316 from DAXAM to DEDSO then as planned Route. Note 2: Traffic entering OOMM FIR at IMKAD destination OMDW or OMDM shall route via DAXAM-P316-DEDSO-R401-MUSAP and expect FL150 at MUSAP. Note 3: Traffic entering OOMM FIR at IMKAD destination OMDB, OMSJ or OMRK shall route via DAXAM-P316-DEDSO-R401-MUSAP and expect to cross MUSAP below FL250.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
B505					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
(RNAV 1, RNAV 5)						
◆ LALDO 251806.00N 0563600.00E						X-ing A791Transfer of control point between OOMM and OMAE.RNAV 1 on segment LALDO-ITLOB
	112° 72 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 1 NM
◇ NADSO 244957.00N 0574926.00E						X-ing A777, B524
	095° 71 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 1 NM
◇ ITLOB 244325.00N 0590701.00E						X-ing N430
	096° 83 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ EGTAL 243458.00N 0603724.00E						X-ing R462 Between EGTAL and APELO only available FL190, FL210, FL270 and FL290.
	089° 39 NM		FL290	ODD		MOCA 3000

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
			FL190 CLASS A	↓		FT Lateral Limits (NM) : 10 NM
◆ APELO (FIR boundary) 243455.00N 0612000.00E						FIR OOMM, OPKR Muscat Control 128.15 MHz
Muscat Control 119.80 MHz Flight Restrictions: Note 1: Entry at LALDO only for traffic departing northern UAE airports. Note 2: Flights intending to enter VABF FIR shall exit OOMM FIR via RASKI or PARAR. Note 3: Eastbound traffic from FL270-UNL overflying OMAE FIR and exiting OOMM FIR via DENDA, APELO or ALPOR shall route via TONVO-A777-NADSO and then B505 to EGTAL-R462 to DENDA or to continue on B505 to APELO or B524 to ALPOR. For traffic at or below FL250 route via LALDO-B505- EGTAL-R462-DENDA and LALDO-B505-APELO or LALDO-B505-NADSO-B524-ALPOR.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
B524 (RNAV 1, RNAV 5)						
◇ NADSO 244957.00N 0574926.00E						X-ing A777, B505
	103° 78 NM		UNL FL150 CLASS A	ODD ↓		RNAV 1 on segment NADSO-DAMUM. MOCA 3000FT Lateral Limits (NM) : 1 NM
◇						X-ing M681

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
DAMUM 243236.00N 0591307.00E						
	102° 49 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
ASLOM 242113.00N 0600552.00E						X-ing L430, R462
	102° 36 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
VEKAN 241235.00N 0604454.00E						X-ing G652
	103° 33 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
ALPOR (FIR boundary) 240441.00N 0612000.00E						X-ing G216 FIR OOMM, OPKR Muscat Control 128.15 MHz
Flight Restriction: Note: Eastbound traffic from FL270-UNL overflying OMAE FIR and exiting OOMM FIR via DENDA, APELO or ALPOR shall route via TONVO-A777-NADSO and then B505 to EGTAL-R462 to DENDA or to continue on B505 to APELO or B524 to ALPOR. For traffic at or below FL250 route via LALDO-B505-EGTAL-R462-DENDA and LALDO-B505-APELO or LALDO-B505-NADSO-B524-ALPOR.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
B535 (RNAV 5)						
◆ KAPET (FIR boundary) 163322.00N 0530614.00E						X-ing UB535FIR OOMM, OYSC
	063° / 243° 44 NM		FL270 FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 7000 FT Lateral Limits (NM) : 10 NM
◇ LADAR 165324.00N 0534655.00E						X-ing B549, UB535
	063° / 244° 21 NM		FL270 FL150 CLASS A	ODD ↓	EVEN ↑	Lateral Limits (NM) : 10 NM
◇ SLL DVOR/DME 170259.36N 0540656.97E						X-ing P316
	222° 59 NM		FL270 FL150 CLASS A		EVEN ↑	MOCA 7000 FT Lateral Limits (NM) : 10 NM
◇ DARAB 174632.00N 0544902.00E						
	223° 30 NM		FL270 FL 150 CLASS A		EVEN ↑	MOCA 7000 FT Lateral Limits (NM) : 10 NM
◇ ASTUN 180832.00N 0551040.00E						X-ing B400, UB535
Muscat Control 123.95 MHz Flight Restrictions: Note 1: Traffic entering OOMM FIR at KAPET destination OMDW, OMDM shall route via SLL-P316- DEDSO-R401-MUSAP and expect FL150 at MUSAP.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
Note 2: Traffic entering OOMM FIR at KAPET destination OMDB, OMSJ or OMRK shall route via SLL-P316-DEDSO-R401-MUSAP and expect to cross MUSAP below FL250.					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
B540 (RNAV 5)						
GERAR 240600.00N 0573616.00E						X-ing P513
	307° 35 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
DEGNU 242734.00N 0570613.00E						
	307° 18 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
PASOV 243841.00N 0565037.00E						X-ing A454, M564, T509 Transfer of control point between OOMM and OMAE. Cross fix PASOV at FL255 or below. U.A.E. Centre

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						125.725 MHz
	301° 25 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
KUPMA (FIR boundary) 245148.00N 0562648.00E						
Muscat Control 119.80 MHz Flight Restrictions: Note 1: For traffic landing at northern UAE airports or overflying the northern UAE below FL255. ATC may re-route traffic to TAPRA (M762) to facilitate the efficient flow of traffic into northern UAE airports. Note 2: Traffic destination OMSJ or OMRK exiting OOMM FIR via PASOV expect FL180 at PASOV. Note 3: Traffic destination OMDB exiting OOMM FIR via PASOV expect FL230 at PASOV. Note 4: Traffic destination OMDW or OMDM exiting OOMM FIR via PASOV expect FL190 at PASOV.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
B549 (RNAV 5)						
PUTRA (FIR boundary) 165432.00N 0525631.00E						FIR OOMM, OYSC
	273° / 092° 48 NM		UNL FL190 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
LADAR 165324.00N 0534655.00E						X-ing B535, UB535

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	271° / 091° 43 NM		UNL FL190 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
MUTVA 165325.00N 0543201.00E						X-ing B400
	271° / 091° 62 NM		UNL FL190 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
KIVEL (FIR boundary) 165306.00N 0553633.00E						X-ing M551, R401 FIR OOMM, OYSC
Muscat Control 123.95 MHz Flight Restrictions: Note 1: Traffic entering OOMM FIR at PUTRA destination OMDW or OMDM shall route via DEDSO-R401- MUSAP and expect FL150 at MUSAP. Note 2: Traffic entering OOMM FIR at PUTRA destination OMDB, OMSJ or OMRK shall route via DEDSO-R401-MUSAP and expect to cross MUSAP below FL250.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
G216 (RNAV 5)						
LAKLU 232235.00N 0570401.00E						X-ing N318, N685, R402, Y855 Muscat Control 124.70 MHz
	077° 35 NM		UNL FL150	ODD		MOCA

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
			CLASS A	↓		12000 FT Lateral Limits (NM) : 10 NM
IVAKU 232919.00N 0574103.00E						X-ing N629
	077° 32 NM		UNL FL150 CLASS A	ODD ↓		MOCA 12000 FT Lateral Limits (NM) : 10 NM
MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, L631, M303, P316, P513, Q978, T500, T502, T503, T505, T506, T508, T511 Muscat Control 128.15 MHz
	079° 30 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
ITILA 234055.00N 0584817.00E						X-ing M877
	079° 39 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
SODEB 234747.00N 0593023.00E						X-ing G652
	078° 16 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
◇ DERTO 235033.00N 0594746.00E						X-ing P307
	079° 86 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
◆ ALPOR (FIR boundary) 240441.00N 0612000.00E						X-ing B524 FIR OOMM, OPKR
Flight Restriction: Note: The maximum Flight Level departing Muscat Intl for destination OPKC is FL310.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
G652 (RNAV 5)						
◆ TAPDO (FIR boundary) 242400.00N 0612000.00E						X-ing A454 FIR OOMM, OPKR
	248° 34 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ VEKAN 241235.00N 0604454.00E						X-ing B524
	248° 72 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
SODEB 234747.00N 0593023.00E						X-ing G216
	247° / 067° 63 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
KUSRA 232426.00N 0582611.00E						X-ing A775, M877, P574
	246° / 066° 25 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 12000 FT Lateral Limits (NM) : 10 NM
GEPOT 231446.00N 0580053.00E						X-ing B400, N629
	249° / 069° 42 NM		UNL FL260 CLASS A	ODD ↑	EVEN ↓	MOCA 12000 FT Lateral Limits (NM) : 10 NM
TULBU 230005.00N 0571827.00E						X-ing M440, M628, N563, N881, T506, Z855
	241° / 061° 23 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 5000 FT Lateral Limits (NM) : 10 NM
NALKI 224928.00N 0565614.00E						X-ing R402
	242° 35 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 5000 FT Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
NAMVA 223309.00N 0562223.00E						X-ing P304
	242° 22 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 5000 FT Lateral Limits (NM) : 10 NM
DATBU 222243.00N 0560054.00E						X-ing R401
	241° 15 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 5000 FT Lateral Limits (NM) : 10 NM
DEBAV 221532.00N 0554617.00E						X-ing L710
	241° 13 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 5000 FT Lateral Limits (NM) : 10 NM
TOKRA (FIR boundary) 220925.00N 0553350.00E						X-ing N569 FIR OOMM, OEJD Muscat Control 123.95 MHz
Muscat Control 128.15 MHz Flight Restrictions: Note 1: Overflying westbound traffic destined OEJN or OEMA entering the OOMM FIR at TAPDO or DENDA shall route as follows: (1) TAPDO-G652-TULBU-M628-LUDID. (2) EGTAL-R462-VUSET-M877-KUSRA-G652-TULBU-M628-LUDID. Note 2: Only FL300 and FL320 are available for traffic exiting OOMM FIR via TOKRA on route G652 to OYSC FIR. Note 3: All traffic from TAPDO destination OMDW and OMDM shall route via A454-PASOV-M564 via PUXIL to VAXAS. All traffic expect FL190 at PASOV. Note 4: Traffic destination OMSJ or OMRK entering OOMM FIR at TAPDO shall route via A454-VUSET-N571-MENSA and expect FL160 at MENSA.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
L301 (RNAV 5)						
◆ RASKI (FIR boundary) 230330.00N 0635200.00E						X-ing N881FIR OOMM, VABF
	274° / 094° 149 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ VAXIM 231900.00N 0611100.00E						X-ing A777, L430, P307
	277° 30 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ RAGMA 232301.00N 0603846.00E						X-ing N571
Muscat Control 135.60 MHz Flight Restrictions: Note 1: Westbound traffic entering the OOMM FIR at RASKI and overflying the OMAE FIR shall route via N571 to MENSA. Except for traffic intending to exit via LUDID, then route via N881. Note 2: All traffic from RASKI destination OMSJ or OMRK shall route via N571 to MENSA. All traffic expect FL160 at MENSA. Note 3: All traffic from RASKI destination OMDW and OMDM shall route via N571-VUSET-A454-PASOV-M564 via PUXIL to VAXAS. All traffic expect FL190 at PASOV. Note 4: Traffic entering the OOMM FIR at RASKI destination OMAA, OMAD or OMAM shall route via TULBU-Z855-SODEX.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
L430 (RNAV 5)						
◆ MESPO (FIR boundary) 244817.00N 0595040.00E						FIR OOMM, OIIX
	151° / 331° 30 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ ASLOM 242113.00N 0600552.00E						X-ing B524, R462
	134° / 314° 86 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ VAXIM 231900.00N 0611100.00E						X-ing A777, L301, P307
Muscat Control 128.15 MHz Flight Restriction: Note: Westbound FL280 and FL340 only available.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
L444 (RNAV 5)						
◇ KIPOL 230410.00N 0612903.00E						X-ing M303, N881

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	262° 32 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
VUSIN 225940.00N 0605510.00E						X-ing N767
	262° 39 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
MIBSA 225400.00N 0601338.00E						X-ing L631
	261° 19 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
KAXEM 225103.00N 0595243.00E						X-ing P574
	261° 28 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 12000 FT Lateral Limits (NM) : 10 NM
IMDEK 224647.00N 0592217.00E						X-ing A775
	261° 43 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 12000 FT Lateral Limits (NM) : 10 NM
TOLDA 224008.00N 0583624.00E						X-ing L555, M628, N318, P570

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
Muscat Control 135.60 MHz Flight Restriction: Note: Traffic entering the OOMM FIR at RASKI and landing at OOMS shall route via N881-KIPOL-L444- VUSIN-N767-ELIGO-L631-MCT (DVOR/DME).					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
L555 (RNAV 5)						
◇ TOLDA 224008.00N 0583624.00E						X-ing L444, M628, N318, P570
	101° / 281° 76 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◇ TUMET 222307.00N 0595702.00E						X-ing A775, T503
	102° / 282° 139 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◆ TOTOX (FIR boundary) 215030.00N 0622230.00E						X-ing L631, N629, P574 FIR OOMM, VABF Muscat Control 126.55 MHz
Flight Restrictions: Note 1: Traffic entering the OOMM FIR at TOTOX for overflying OMAE FIR shall route via TOLDA-M628- TULBU-N563-SODEX (unless traffic is planning through OIIX FIR).						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
Note 2: Traffic entering the OOMM FIR at TOTOX destination OMAA, OMAD or OMAM shall route via TOLDA-M628-TULBU-Z855-SODEX. Note 3: Traffic entering the OOMM FIR at TOTOX destination OMSJ or OMRK shall route via TOTOX-P574-PAROK-L695-ITURA-P570-MIXAM-P513-GERAR-B540-PASOV-KUPMA. All traffic expect FL180 at PASOV. Note 4: Traffic entering the OOMM FIR at TOTOX for overflying OMAE FIR and intending to route via OIIX FIR shall route via TOTOX-P574-SOLUD. Note 5: Overflying traffic intending to exit OOMM FIR via TOTOX shall route via LABRI-N318-TOLDA-L555-TOTOX or TARDI-N629-TOTOX or MIDGU-M440-TULBU-M628-TOLDA-L555-TOTOX. Note 6: FL330 is not available via TOTOX.					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
L556 (RNAV 5)						
◆ IMDAM (FIR boundary) 202416.00N 0550801.00E						FIR OOMM, OEJD
	111° 38 NM		UNL FL270 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ OTISA 201000.00N 0554556.00E						X-ing UB424
	111° 13 NM		UNL FL270 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ KEDON 200503.00N 0555901.00E						X-ing L710
	111° 18 NM		UNL FL270	ODD		MOCA 7500

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
			CLASS A	↓		FT Lateral Limits (NM) : 10 NM
◆ HAI DVOR/DME 195813.31N 0561650.82E						X-ing B400, R401, R402
	121° 16 NM		UNL FL270 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ GIVNO 195011.00N 0563059.00E						X-ing P316
	121° 128 NM		UNL FL270 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
◆ KUTVI (FIR boundary) 184306.00N 0582642.00E						X-ing N315 FIR OOMM, OYSC
Muscat Control 123.95 MHz Flight Restriction: Note: FL330 is not available via ASPUX.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
L631 (RNAV 5)						
◆						X-ing L555, N629, P574

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
215030.00N 0622230.00E						FIR OOMM, VABF
	298° 92 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
IVOMA 223408.00N 0605430.00E						X-ing M628
	298° 20 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
DEBDA 224327.00N 0603525.00E						
	23 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
MIBSA 225400.00N 0601338.00E						X-ing L444
	298° 20 NM	>	UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
AMBOS 230324.00N 0595405.00E						X-ing N881, Q620
	298° 47 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
						X-ing N767

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
ELIGO 232458.00N 0590848.00E						
	294° 14 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
KARAR 33042.00N 0585438.00E						X-ing T504
	278° 36 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, G216, M303, P316, P513, Q978, T500, T502, T503, T505, T506, T508, T511
Note 1: Traffic entering the OOMM FIR via TOTOX is required to call Muscat Control on 126.55 MHz. Note 2: Only for traffic landing OOMS.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
L692 (RNAV 5)						
DAPOL (FIR boundary) 214301.00N 0553416.00E						Transfer of control point between OOMM and OEJD. FIR OOMM,

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						OEJD
	092° 14 NM	10 NM	UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
EMAVA 214208.00N 0554936.00E						X-ing L710
	092° 72 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
ITSAG 213720.00N 0570640.00E						X-ing B400
	093° 31 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
GISKA 213503.00N 0574014.00E						X-ing N569, P316, UB424
Muscat Control 118.325 MHz Flight Restriction: Note: Traffic entering via DAPOL is for traffic exiting OOMM FIR via REXOD, LOTAV and KITAL only.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
L695 (RNAV 5)						
PAROK 231030.00N 0590245.00E						X-ing P574

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	285° 53 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
ITURA 232351.00N 0580720.00E						X-ing B400, M762, P570 Muscat Control 128.15 MHz
Muscat Control 135.60 MHz Flight Restriction: Note: Traffic entering the OOMM FIR at TOTOX destination in the northern UAE airports shall route via P574-PAROK-L695-ITURA-M762-VAXAS.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
L710 (RNAV 5)						
MEMTU (FIR boundary) 232517.00N 0552443.00E						Transfer of control point between OOMM and OMAE. FIR OOMM, OMAE
	162° 24 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
GOGMI 230215.00N 0553159.00E						X-ing M628
	162° 26 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
ITKUN 223731.00N 0553934.00E						X-ing Z515
	162° 23 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
DEBAV 221532.00N 0554617.00E						X-ing G652
	173° 33 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
EMAVA 214208.00N 0554936.00E						X-ing L692
	173° 26 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
ITETA 211618.00N 0555208.00E						X-ing L833
	173° 24 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
IVENI 205158.00N 0555430.00E						X-ing N315
	173° 33 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
KASIN 201853.00N 0555742.00E						X-ing UB424
	174° 14 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
						X-ing L556

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
KEDON 200503.00N 0555901.00E						
	177° 35 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
◇ KUKDI 193022.00N 0555953.00E						X-ing B400
	178° 32 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
◇ DEDSO 185811.00N 0560041.00E						X-ing P316, R401, UL425
Muscat Control 124.70 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
L883 (RNAV 5)						
◆ SITOL (FIR boundary) 211604.00N 0552514.00E						X-ing N315 FIR OOMM, OEJD
	268° 25 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ ITETA 211618.00N 0555208.00E						X-ing L710

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	268° 17 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
ALNUN 211625.00N 0561041.00E						X-ing R401
	268° 8 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
KUROV 211627.00N 0561853.00E						X-ing P304
	269° 35 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
MEVLI 211632.00N 0565606.00E						X-ing B400
	270° 104 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
UMILA 211555.00N 0584738.00E						X-ing N569
	090° / 270° 41 NM		UNL FL265 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
TAVKO 211519.00N 0593147.00E						X-ing P570

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	090° / 270° 35 NM		UNL FL265 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
GADMA 211439.00N 0600938.00E						X-ing M300
	090° / 270° 83 NM		UNL FL265 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
REXOD (FIR boundary) 211230.00N 0613830.00E						X-ing A775, M762, N318, N563 FIR OOMM, VABF Muscat Control 126.55 MHz
Muscat Control 123.95 MHz Flight Restrictions: Note 1: FL330 is not available via REXOD. Note 2: Only FL340, FL360, FL400 and FL430 available for westbound traffic exiting OOMM FIR via SITOL.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
M300 (RNAV 5)						
LOTAV (FIR boundary) 203700.00N 0605700.00E						X-ing N569FIR OOMM, VABF
	309° / 129° 58 NM		UNL FL150 CLASS A	ODD	EVEN	MOCA 3000 FT

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
				↑	↓	Lateral Limits (NM) : 10 NM
◇ GADMA 211439.00N 0600938.00E						X-ing L883
	309° / 129° 29 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◆ GOLBA 213318.00N 0594600.00E						
	309° / 129° 63 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◇ EMURU 221357.00N 0585338.00E						X-ing N563, P570, T505

Muscat Control 118.325 MHz

Flight Restrictions: Note 1: Traffic entering the OOMM FIR at LOTAV destination OMAL shall route via EMURU-P570-MIXAM-P899- ITRAX.
Note 2: Traffic entering the OOMM FIR at LOTAV destination OMSJ or OMRK shall route via EMURU-P570-MIXAM-P513-GERAR-B540-PASOV-KUPMA. All traffic expect FL180 at PASOV.
Note 3: Traffic routing via LOTAV for overfly OMAE FIR shall fly via EMURU-TULBU-N563-SODEX.
Note 4: Traffic entering the OOMM FIR at LOTAV for overflying OMAE FIR and intending to route via OIIX FIR shall route via EMURU-P570-MIXAM-P574-SOLUD.
Note 5: Traffic entering the OOMM FIR at LOTAV intending to land in OMAA, OMAD or OMAM shall use route Z855 via TULBU.
Note 6: FL330 not available via LOTAV.

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
M303 (RNAV 5)						
 MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, G216, L631, P316, P513, Q978, T500, T502, T503, T505, T506, T508, T511
	092° 51 NM		UNL FL150 CLASS A	ODD ↓		MOCA 4000 FT Lateral Limits (NM) : 10 NM
 SEVLA (Turning Point) 233321.00N 0591122.00E						
	103° 130 NM		UNL FL150 CLASS A	ODD ↓		MOCA 4000 FT Lateral Limits (NM) : 10 NM
 KIPOL 230410.00N 0612903.00E						X-ing L444, N881
Note: Only for traffic departing OOMS. Muscat Control 135.60 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
M428 (RNAV 1)						
						Transfer of

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
GOMTA 251115.00N 0563447.00E						control pointbetween OOMM and OMAE.
	113° 71 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 1 NM
TARBO 244351.00N 0574637.00E						X-ing M681, N430
	109° 57 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 1 NM
MUNGA 242516.00N 0584533.00E						X-ing A777
Muscat Control 119.80 MHz Flight Restrictions: Note 1: Only for traffic departing northern UAE airports. Note 2: All UAE departures intending to enter VABF FIR shall exit OOMM FIR via RASKI or PARAR. Note 3: All UAE departures exiting OOMM FIR via DENDA, APELO or ALPOR shall route via GOMTA-M428-TARBO and then N430 to ITLOB-B505-EGTAL-R462 to DENDA or to continue on B505 to APELO or M681-DAMUM-B524 to ALPOR.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
M440 (RNAV 5)						
						Transfer of control point

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
MIDGU (FIR boundary) 222706.00N 0552230.00E						between OOMM and OEJD. X-ing Z515 FIR OOMM, OEJD
	068° 61 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
DEMKI 224941.00N 0562308.00E						X-ing P304
	078° 52 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
TULBU 230005.00N 0571827.00E						X-ing G652, M628, N563, N881, T506, Z855
Muscat Control 124.70 MHz Flight Restriction: Note 1: All traffic shall expect FL310 or above at MIDGU. Note 2: Traffic from TULBU intending to exit OOMM FIR at PARAR shall route via N881-AMBOS-Q620- PARAR.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
M551 (RNAV 5)						
DAXAM 171612.00N 0544715.00E						X-ing B400, P316
	117° / 297° 53 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						Lateral Limits (NM) : 10 NM
◆ KIVEL (FIR boundary) 165306.00N 0553633.00E						X-ing B549, R401 FIR OOMM, OYSC Muscat Control 123.95 MHz

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
M564 (RNAV 1)						
◆ PASOV 243841.00N 0565037.00E /div>						Transfer of control point between OOMM and OMAE. X-ing A454, B540, T509
	277° 17 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 1 NM
◇ PUXIL 244117.00N 0563145.00E						X-ing P574
	277° 13 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 1 NM
◇ VAXAS (FIR boundary) 244308.00N 0561807.00E						X-ing M762 FIR OOMM, OMAE

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
U.A.E. Centre 125.725 MHz Flight Restriction: Note: All traffic from DENDA, TAPDO, RASKI and PARAR destination OMDW or OMDM shall route from VUSET to A454-PASOV-M564 via PUXIL to VAXAS. All traffic expect FL190 at PASOV.					

X-ing R401

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
M628 (RNAV 5)						
✦ LUDID (FIR boundary) 30227.00N 0551800.00E						FIR OOMM, OMAE
	269° 13 NM		UNL FL255 CLASS A		EVEN ↑	MOCA 5000 FT Lateral Limits (NM) : 10 NM
◈ GOGMI 230215.00N 0553159.00E						X-ing L710
	269° 21 NM		UNL FL255 CLASS A		EVEN ↑	MOCA 5000 FT Lateral Limits (NM) : 10 NM
◈ LABSA 230153.00N 0555505.00E						
	270° 22 NM		UNL FL255 CLASS A		EVEN ↑	MOCA 5000 FT Lateral Limits (NM)

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						: 10 NM
EGVAN 230127.00N 0561907.00E						X-ing Q730, Z515
	270° 37 NM		UNL FL255 CLASS A		EVEN ↑	MOCA 5000 FT Lateral Limits (NM) : 10 NM
KUNGO 230034.00N 0565850.00E						X-ing R402, Z855
	270° 18 NM		UNL FL255 CLASS A		EVEN ↑	MOCA 5000 FT Lateral Limits (NM) : 10 NM
TULBU 230005.00N 0571827.00E						X-ing G652, M440, N563, N881, T506, Z855
	105° / 285° 26 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 12000 FT Lateral Limits (NM) : 10 NM
IZK VOR/DME 225318.60N 0574542.73E						X-ing B400
	106° / 286° 49 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 12000 FT Lateral Limits (NM) : 10 NM
TOLDA 224008.00N 0583624.00E						X-ing L444, L555, N318, P570
	273° 64 NM		UNL FL150 CLASS A		EVEN ↑	MOCA 12000 FT Lateral Limits (NM)

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						: 10 NM
◇ LOXOP 223722.00N						X-ing N629
	273° 43 NM		UNL FL150 CLASS A		EVEN ↑	MOCA 4500 FT Lateral Limits (NM) : 10 NM
◇ LOSIM 223513.00N 0603238.00E						X-ing P574
	273° 20 NM		UNL FL150 CLASS A		EVEN ↑	MOCA 4500 FT Lateral Limits (NM) : 10 NM
◇ IVOMA 223408.00N 0605430.00E						X-ing L631
	274° 123 NM		UNL FL150 CLASS A		EVEN ↑	MOCA 4500 FT Lateral Limits (NM) : 10 NM
◆ PARAR (FIR boundary) 222630.00N 0630700.00E						X-ing N571, N767, P307, Q620 Traffic entering the OOMM FIR via PARAR is required to call Muscat Control 135.60 MHz. FIR OOMM, VABF
Flight Restrictions: Note 1: Traffic entering the OOMM FIR at PARAR destination OMAA, OMAM and OMAD shall route via TULBU-Z855-SODEX. Note 2: Traffic entering the OOMM FIR at PARAR destination OMAL shall route via LOSIM-P574-MIXAM-P899-ITRAX. Note 3: Westbound traffic entering the OOMM FIR at PARAR and overflying the OMAE FIR shall route via N571 to						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
MENSA. Except for traffic intending to exit via LUDID. Note 4: All traffic from PARAR destination OMDW and OMDM shall route via N571 from VUSET to A454- PASOV-M564 via PUXIL to VAXAS. All traffic expect FL190 at PASOV. Note 5: All traffic from PARAR destination OMSJ or OMRK shall route via N571 to MENSA. All traffic expect FL160 at MENSA. Note 6: Traffic from TULBU intending to exit OOMM FIR at PARAR shall route via N881-AMBOS-Q620- PARAR.					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
M681 (RNAV 1)						
TARBO 244351.00N 0574637.00E						X-ing M428, N430
	098° 79 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 1 NM
DAMUM 243236.00N 0591307.00E						X-ing B524
Note: Only for traffic departing northern UAE airports. Muscat Control 119.80 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
M762 (RNAV 5)						
◆ REXOD (FIR boundary) 211230.00N 0613830.00E						X-ing A775, L883, N318, N563FIR
	304° 144 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
⟐ SUR VOR/DME 223247.90N 0592929.70E						X-ing T504
	304° 41 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
◆ DELSO 225606.00N 0585233.00E						
	304° 50 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
⟐ ITURA 232351.00N 0580720.00E						X-ing B400, L695, P570
	304° 20 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
⟐ ALMOG 233524.00N 0574940.00E						X-ing Q978
	306° 18 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						Limits (NM) : 10 NM
◇ VELOD 234611.00N 0573435.00E						X-ing P899
	306° 44 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
✦ GEXAN 241257.00N 0565649.00E						
	307° 22 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
✦ TAPRA 242607.00N 0563803.00E						X-ing T507 Transfer of control point between OOMM and OMAE. U.A.E. Centre 125.725 MHz
	313° 25 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◇ VAXAS (FIR boundary) 244308.00N						X-ing M564 FIR OOMM, OMAE
Muscat Control 126.55 MHz Flight Restrictions: Note 1: Traffic entering the OOMM FIR at REXOD destination OMAL shall route via ITURA-P570-MIXAM-P899- ITRAX. Note 2: Traffic entering the OOMM FIR at REXOD destination OMAA, OMAM or OMAD shall route via N563-TULBU-Z855-SODEX.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
Note 3: Traffic entering the OOMM FIR at REXOD destination OMSJ or OMRK shall route via ITURA-P570-MIXAM-P513-GERAR-B540-PASOV-KUPMA. All traffic expect FL180 at PASOV. Note 4: Traffic entering the OOMM FIR at REXOD for overfly OMAE FIR shall route via N563-TULBU-N563-SODEX. Note 5: For traffic landing at northern UAE airports or overflying the northern UAE below FL255. ATC may re-route traffic to PASOV (B540) to facilitate the efficient flow of traffic. Note 6: Traffic destination OMDW or OMDM exiting via TAPRA expect FL180 at TAPRA. Note 7: Traffic destination OMDB exiting via TAPRA expect FL240 at TAPRA.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
M877 (RNAV 5)						
VUSET 235540.00N 0590812.00E						X-ing A454, N571, R462, T500
	230° / 050° 23 NM		UNL FL270 CLASS A	ODD ↑	EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
ITILA 234055.00N 0584817.00E						X-ing G216
	230° / 050° 26 NM		UNL FL270 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
KUSRA 232426.00N 0582611.00E						X-ing A775, G652, P574
Muscat Control 128.15 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
N315 (RNAV 5)						
◆ SITOL (FIR boundary) 211604.00N 0552514.00E						X-ing L883FIR OOMM, OEJD
	310° 36 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ IVENI 205158.00N 0555430.00E						X-ing L710
	310° 28 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ VELIK 203322.00N 0561656.00E						X-ing P304, R401, UB424
	312° 15 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ ORSIT 202306.00N 0562915.00E						X-ing B400
	312° 19 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ MOBAB 201032.00N 0564415.00E						X-ing P316
	312° 130 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						Limits (NM) : 10 NM
✦ KUTVI (FIR boundary) 184306.00N 0582642.00E						X-ing L556 FIR OOMM, OYSC ACC Muscat Control
	123° / 303° 107 NM		UNL FL265 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
✦ ASPUX (FIR boundary) 174404.00N 0600004.00E						X-ing UL425 FIR OYSC, VABF Muscat Control 123.95 MHz
Flight Restrictions: Note 1: Only FL340, FL360, FL400 and FL430 available for westbound traffic exiting OOMM FIR via SITOL. Note 2: Traffic entering OOMM FIR at ASPUX destination OMDW or OMDM shall route via VELIK-R401- MUSAP and expect FL150 at MUSAP. Note 3: Traffic entering OOMM FIR at ASPUX destination OMDB, OMSJ or OMRK shall route via VELIK-R401- MUSAP and expect to cross MUSAP below FL250.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
N318 (RNAV 1, RNAV 5)						
✦ LABRI (FIR boundary) 240344.00N 0553842.00E						FIR OOMM, OMAE
	117° 23 NM		UNL FL150	ODD		RNAV 1 on

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
			CLASS A	↓		segment LABRIGEVED MOCA 12000 FT Lateral Limits (NM) : 1 NM
EGROK 235253.00N 0560126.00E						X-ing P304
	117° 65 NM		UNL FL150 CLASS A	ODD ↓		MOCA 12000 FT Lateral Limits (NM) : 1 NM
LAKLU 232235.00N 0570401.00E						X-ing G216, N685, R402, Y855
	116° 48 NM		UNL FL260 CLASS A	ODD ↓		MOCA 12000 FT Lateral Limits (NM) : 1 NM
GEVED 230105.00N 0575111.00E						X-ing B400, N881
	116° 47 NM		UNL FL150 CLASS A	ODD ↓		MOCA 9500 FT Lateral Limits (NM) : 10 NM
TOLDA 224008.00N 0583624.00E						X-ing L444, L555, M628, P570
	116° 191 NM		UNL FL150 CLASS A	ODD ↓		MOCA 9500 FT Lateral Limits (NM) : 10 NM
REXOD (FIR boundary)						X-ing A775, L883, M762,

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
211230.00N 0613830.00E						N563 FIR OOMM, VABF
Muscat Control 124.70 MHz Flight Restrictions: Note 1: FL330 not available via REXOD. Note 2: Traffic from LAKLU intending to exit OOMM FIR at PARAR shall route via N318-GEVED-N881- AMBOS-Q620-PARAR. Note 3: LABRI is not available for traffic overflying OMAE FIR exiting OOMM FIR via DENDA, APELO, ALPOR, RASKI and PARAR.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
N430 (RNAV 1)						
TARBO 244351.00N 0574637.00E						X-ing M428, M681
	090° 73 NM		UNL FL150 CLASS A	ODD ↓		MOCA 4500 FT Lateral Limits (NM) : 1 NM
ITLOB 244325.00N 0590701.00E						X-ing B505
Note: Only for traffic departing northern UAE airports. Muscat Control 119.80 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
N563 (RNAV 1, RNAV 5)						
◆ REXOD (FIR boundary) 211230.00N 0613830.00E						X-ing A775, L883, M762, N318FIR OOMM, VABF
	291° 165 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 1 NM
◇ EMURU 221357.00N 0585338.00E						X-ing M300, P570, T505 /td>
	297° 99 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 12000 FT Lateral Limits (NM) : 1 NM
◇ TULBU 230005.00N 0571827.00E						X-ing G652, M440, M628, N881, T506, Z855 RNAV 1 on segment TULBUSO DEX
	297° 73 NM		UNL FL150 CLASS A		VEN ↓	MOCO 12000 FT Lateral Limits (NM) : 10 NM
◇ MEKNA 233309.00N 0560815.00E						X-ing P304
	297° 20 NM		UNL FL150 CLASS A		EVEN	MOCA 12000 FT Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
◇ KURTA 234205.00N 0554900.00E						X-ing R401
	297° 17 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 12000 FT Lateral Limits (NM) : 10 NM
◆ SODEX (FIR boundary) 234954.00N 0553202.00E						X-ing Z855 FIR OOMM, OMAE
Muscat Control 126.55 MHz Flight Restrictions: Note 1: Traffic on segment between SODEX and TULBU is for overflying OMAE FIR only. Note 2: Traffic entering the OOMM FIR at REXOD destination OMAA, OMAM or OMAD shall route via TULBU-Z855-SODEX. Note 3: Traffic entering the OOMM FIR at REXOD destination OMSJ or OMRK shall route REXOD-M762- ITURA-P570-MIXAM-P513-GERAR-B540-PASOV-KUPMA. All traffic expect FL180 at PASOV. Note 4: Traffic entering the OOMM FIR at REXOD destination OMAL shall route REXOD-M762-ITURA-P570-MIXAM-P899-ITRAX. Note 5: Traffic entering the OOMM FIR at REXOD for overflying OMAE FIR and intending to route via OIIX FIR shall route REXOD-A775-KUSRA-P574-SOLUD-GISMO.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
N569 (RNAV 5)						
◆ TOKRA (FIR boundary) 220925.00N 0553350.00E						X-ing G652 FIR OOMM, OEJD
	285°29.18 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
SUTLI 220121.00N 0560404.00E						X-ing R401
	285°16 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
TOPSO 215653.00N 0562043.00E						X-ing P304
	285°21 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
MOGOK 215057.00N 0564236.00E						X-ing R402
	285°26 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
KEBAS 214330.00N 0570948.00E						X-ing B400
	285°30 NM		UNL FL265 CLASS A		EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
GISKA 213503.00N 0574014.00E						X-ing L692, P316, UB424
	105° / 286°66 NM		UNL FL265 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
UMILA 211555.00N 0584738.00E						X-ing L883
	106° /		UNL FL265	ODD	EVEN	MOCA 7500

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	286°53 NM		CLASS A	↓	↑	FT Lateral Limits (NM) : 10 NM
GOLNI 210014.00N 0594130.00E						X-ing P570
	107° / 288°74 NM		UNL FL265 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
LOTAV (FIR boundary) 203700.00N 0605700.00E						X-ing M300 FIR OOMM, VABF Muscat Control 118.325 MHz
Muscat Control 123.95 MHz Flight Restrictions: Note 1: FL330 not available via LOTAV. Note 2: Traffic entering the OOMM FIR at LOTAV destination OMAA, OMAD or OMAM shall route via EMURU - N563-TULBU-Z855-SODEX. Note 3: Traffic entering the OOMM FIR at LOTAV destination OMSJ or OMRK shall route via EMURU -P570-MIXAM-P513-GERAR-B540-PASOV-KUPMA. All traffic expect FL180 at PASOV.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
N571 (RNAV 5)						
PARAR (FIR boundary) 222630.00N 0630700.00E						X-ing M628, N767, P307, Q620 FIR OOMM, VABF
	291° 148 NM		UNL FL150 CLASS A		EVEN	MOCA 3000 FT

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
					↓	Lateral Limits (NM) : 10 NM
◇ RAGMA (Turning Point) 232301.00N 0603846.00E						X-ing L301
	290° 89 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ VUSET 235540.00N 0590812.00E						X-ing A454, M877, R462, T500
	294° 28 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 10 NM
◇ TOVDI 240733.00N 0584021.00E						
	293° 54 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 10 NM
◇ KIROP (Turning Point) 243000.00N 0574700.00E						
	292° 26 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 10 NM
◆ ASNIB 243949.00N 0572105.00E						
	292° 47 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 10 NM
◆ MENSA (FIR boundary) 245750.00N 0563249.00E						X-ing T509 FIR OOMM, OMAE

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
Muscat Control 135.60 MHz Flight Restrictions: Note 1: Traffic landing northern UAE airports and overflying OMAE FIR below FL200, shall route via A454- B540 (VUSET-PASOV-KUPMA). Note 2: Westbound traffic entering the OOMM FIR at PARAR and overflying the OMAE FIR shall route via N571 to MENSA. Except for traffic intending to exit via LUDID. Note 3: All traffic from PARAR destination OMDW or OMDM shall route from VUSET to A454-PASOV-M564 via PUXIL to VAXAS. All traffic expect FL190 at PASOV. Note 4: All traffic from PARAR destination OMSJ or OMRK shall route via MENSA. All traffic expect FL160 at MENSA. Note 5: Traffic entering the OOMM FIR at PARAR destination OMAA, OMAD or OMAM shall route via M628 - TULBU-Z855-SODEX.					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
N629 (RNAV 5)						
◆ TARDI (FIR boundary) 243418.00N 0560915.00E						
	130° 25 NM		UNL FL150 CLASS A	ODD ↓		MOCA 11000 FT Lateral Limits (NM) : 10 NM
◇ NOSMI (Turning Point) 241757.00N 0563002.00E						
	124° 26 NM		UNL FL150 CLASS A	ODD ↓		MOCA 11000 FT Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
BOTAM 240227.00N 0565320.00E						X-ing Y855
	124° 15 NM		UNL FL150 CLASS A	ODD ↓		MOCA 11000 FT Lateral Limits (NM) : 10 NM
ELIVA 235335.00N 0570634.00E						
	124° 17 NM		UNL FL150 CLASS A	ODD ↓		MOCA 11000 FT Lateral Limits (NM) : 10 NM
MUSUK 234320.00N 0572148.00E						X-ing T511
	127° 23 NM		UNL FL150 CLASS A	ODD ↓		MOCA 11000 FT Lateral Limits (NM) : 10 NM
IVAKU 232919.00N 0574103.00E						X-ing G216
	127° 23 NM		UNL FL150 CLASS A	ODD ↓		MOCA 11000 FT Lateral Limits (NM) : 10 NM
GEPOT 231446.00N 0580053.00E						X-ing B400, G652
	124° 24 NM		UNL FL150 CLASS A	ODD ↓		MOCA 11000 FT Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
◇ GIDAN 230104.00N 0582232.00E						X-ing N881, P570
	107° 80 NM		UNL FL150 CLASS A	ODD ↓		MOCA 11000 FT Lateral Limits (NM) : 10 NM
◇ LOXOP 223722.00N 0594548.00E						X -ing M628
	107° 152 NM		UNL FL150 CLASS A	ODD ↓		MOCA 11000 FT Lateral Limits (NM) : 10 NM
◆ TOTOX (FIR boundary) 215030.00N 0622230.00E						X-ing L555, L631, P574 FIR OOMM, VABF
Muscat Control 124.70 MHz Flight Restrictions: Note 1: Route not available for traffic exiting OOMM FIR via N881 (RASKI) or M628 (PARAR). Note 2: Overflying traffic entering the OOMM FIR via TARDI and intending to exit via LOTAV, KITAL, REXOD or TOTOX shall route as follows: (1) TARDI-N629-GIDAN-P570- EMURU-M300-LOTAV. (2) TARDI-N629-GIDAN-P570-KITAL. (3) TARDI-N629-TOTOX. (4) TARDI-N629-GIDAN-P570-TOLDA-N318-REXOD.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
N685 (RNAV 1)					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
◆ RETAS (FIR boundary) 235754.00N 0553423.00E						FIR OOMM, OMAE
	115° 54 NM		UNL FL150 CLASS A	ODD ↓		MOCA 12000 FT Lateral Limits (NM) : 1 NM
◇ KOBIM 233309.00N 0562701.00E						X-ing Q730
	115° 27 NM		UNL FL150 CLASS A	ODD ↓		MOCA 12000 FT Lateral Limits (NM) : 1 NM
◇ PUTSO (Turning Point) 232037.00N 0565322.00E						X-ing Z515
	079° 10 NM		UNL FL150 CLASS A	ODD ↓		MOCA 12000 FT Lateral Limits (NM) : 1 NM
◇ LAKLU 232235.00N 0570401.00E						X-ing G216, N318, R402, Y855
Note: Only for traffic landing OOMS and OOSH. Muscat Control 124.70 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
N767 (RNAV 5)						
◆ PARAR (FIR boundary) 222630.00N 0630700.00E						X-ing M628, N571, P307, Q620 FIR OOMM, VABF
	286° 126 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
◇ VUSIN 225940.00N 0605510.00E						X-ing L444
	285° 16 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
◇ ATBED 230352.00N 0603752.00E						X-ing N881 /td>
	285° 85 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
◇ ELIGO 232458.00N 0590848.00E						X-ing L631
Note 1: Only for traffic landing OOMS. Note 2: Traffic entering the OOMM FIR via PARAR is required to call Muscat Control on 135.60 MHz.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
N881 (RNAV 5)						
◆ RASKI (FIR boundary) 230330.00N 0635200.00E						X-ing L301FIR OOMM, VABF
	269° / 089° 118 NM		UNL FL270 CLASS A	ODD ↑	EVEN ↓	MOCA 4500 FT Lateral Limits (NM) : 10 NM
◇ SETSI 230412.00N 0614410.00E						X-ing P307
	269° / 089° 14 NM		UNL FL270 CLASS A	ODD ↑	EVEN ↓	MOCA 4500 FT Lateral Limits (NM) : 10 NM
◇ KIPOL 230410.00N 0612903.00E						X-ing L444, M303
	089° 47 NM		UNL FL270 CLASS A	ODD ↑		MOCA 4500 FT Lateral Limits (NM) : 10 NM
◇ ATBED 230352.00N 0603752.00E						X-ing N767
	089° 40 NM		UNL FL270 CLASS A	ODD ↑		MOCA 4500 FT Lateral Limits (NM) : 10 NM
◇ AMBOS 230324.00N 0595405.00E						X-ing L631, Q620
	089° 29 NM		UNL FL270 CLASS A	ODD ↑		MOCA 4500 FT Lateral

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						Limits (NM) : 10 NM
MUSRU 230256.00N 0592223.00E						X-ing P574, T502
	088° 21 NM		UNL FL270 CLASS A	ODD ↑		MOCA 12000 FT Lateral Limits (NM) : 10 NM
OBTIN 230216.00N 0585920.00E						X-ing A775
	088° 34 NM		UNL FL270 CLASS A	ODD ↑		MOCA 12000 FT Lateral Limits (NM) : 10 NM
GIDAN 230104.00N 0582232.00E						X-ing N629, P570
	089° 29 NM		UNL FL270 CLASS A	ODD ↑		MOCA 12000 FT Lateral Limits (NM) : 10 NM
GEVED 230105.00N 0575111.00E						X-ing B400, N318
	088° 30 NM		UNL FL270 CLASS A	ODD ↑		MOCA 12000 FT Lateral Limits (NM) : 10 NM
TULBU 230005.00N 0571827.00E						X-ing G652, M440, M628, N563, T506, Z855
Muscat Control 135.60 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
Flight Restrictions: Note 1: Traffic entering the OOMM FIR at RASKI destination OMAA, OMAD or OMAM shall route via KIPOL-L444-TOLDA-M628-TULBU-Z855-SODEX. Note 2: Traffic entering the OOMM FIR at RASKI destination OMAL shall route via KIPOL-L444-KAXEM-P574-MIXAM-P899-ITRAX. Note 3: Traffic entering the OOMM FIR at RASKI and landing at OOMS shall route via KIPOL-L444-VUSIN-N767-ELIGO-L631-MCT (DVOR/DME). Note 4: Westbound traffic entering the OOMM FIR at RASKI and overflying the OMAE FIR shall route via N571 to MENSA. Except for traffic intending to exit via LUDID. Note 5: All traffic from RASKI destination OMSJ or OMRK shall route via N571 to MENSA. All traffic expect FL160 at MENSA. Note 6: All traffic from RASKI destination OMDW or OMDM shall route via L301-RAGMA-N571-VUSET to A454-PASOV-M564 via PUXIL to VAXAS. All traffic expect FL190 at PASOV. Note 7: Traffic from TULBU intending to exit OOMM FIR at PARAR shall route via TULBU-N881-AMBOS-Q620-PARAR.					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
P304 (RNAV 5)						
VELIK 203322.00N 0561656.00E						X-ing N315, R401, UB424
	001° / 181° 43 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
KUROV 211627.00N 0561853.00E						X-ing L883
	001° / 181° 40 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
TOPSO 215653.00N 0562043.00E						X-ing N569
	001° / 181° 36 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
NAMVA 223309.00N 0562223.00E						X-ing G652
	001° / 181° 17 NM		UN FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
DEMKI 224941.00N 0562308.00E						X-ing M440
	358° / 178° 28 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
EMISO 231734.00N 0562307.00E						X-ing Q730
Muscat Control 123.95 MHz For OOSH arrival from the South. Southbound traffic mainly will be OOFD departure to the South.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
P307					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
(RNAV 1, RNAV 5)						
◆ TONVO (FIR boundary) 250500.00N						X-ing A777
	112° 71 NM		UNL FL150 CLASS A	ODD ↓		FIR OOMM, OMAE RNAV 1 on segment TONVO PURNI MOCA 3000 FT Lateral Limits (NM) : 1 NM
◇ PURNI 243804.00N 0574354.00E						
	113° 48 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ KUNUS 241927.00N 0583226.00E						
	113° 47 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ ALSAS 240054.00N 0591955.00E						X-ing R462
	110° 27 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ DERTO 235033.00N						X-ing G216

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
0594746.00E						
	110° 83 NM		UNL FL150 CLASS A	ODD ↓		MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ VAXIM 231900.00N 0611100.00E						X-ing A777, L301, L430
	115° / 295° 34 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ SETSI 230412.00N 0614410.00E						X-ing N881
	114° / 294° 85 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◆ PARAR (FIR boundary) 222630.00N 0630700.00E						X-ing M628, N571, N767, Q620 FIR OOMM, VABF

Muscat Control 135.60 MHz.
Traffic entering the OOMM FIR via TONVO shall contact

Muscat Control on 119.80 MHz.

Flight Restrictions: Note 1: Westbound traffic entering the OOMM FIR at PARAR and overflying the OMAE FIR shall route via N571 to MENSA. Except for traffic intending to exit via LUDID.
Note 2: Eastbound traffic from FL270-UNL overflying OMAE FIR and exiting OOMM FIR via DENDA, APELO or ALPOR shall route via TONVO-A777-NADSO and then B505 to EGTAL-R462 to DENDA or to continue on B505 to APELO or B524 to ALPOR. For traffic at or below FL250 route via LALDO-B505- EGTAL-R462-DENDA and LALDO-B505-APELO or LALDO-B505-NADSO-B524-ALPOR.
Note 3: All UAE departures intending to enter VABF FIR shall exit OOMM FIR via RASKI or PARAR.
Note 4: All traffic from PARAR destination OMDW or OMDM shall route via N571 from VUSET to A454- PASOV-M564 via PUXIL to VAXAS. All traffic expect FL190 at PASOV.
Note 5: All traffic from PARAR destination OMSJ or OMRK shall route via N571 to MENSA. All traffic expect FL160 at MENSA.

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
Note 6: Traffic entering the OOMM FIR at PARAR destination OMAA, OMAD or OMAM shall route via M628-TULBU-Z855-SODEX.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
P316 (RNAV 5)						
SLL DVOR/DME 170259.36N 0540656.97E						X-ing B535, UB535
	071° / 251° 41 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
DAXAM 171612.00N 0544715.00E						X-ing B400, M551
	035° 36 NM		UNL FL150 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
KAPOP 174544.00N 0550930.00E						
	035° 24 NM		UNL FL150 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
GAGLA 180505.00N						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
0552410.00E						
	033° 18 NM		UNL FL150 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
NALTI 182012.00N 0553431.00E						
	033° 45 NM		UNL FL150 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
DEDSO 185811.00N 0560041.00E						X-ing L710, R401, UL425
	030° 59 NM		UNL FL150 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
GIVNO 195011.00N 0563059.00E						X-ing L556
	031° 24 NM		UNL FL150 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
MOBAB 201032.00N 0564415.00E						X-ing N315
	031° 99 NM		UNL FL150 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
GISKA 213503.00N						X-ing L692, N569, UB424

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
0574014.00E						
	031° 39 NM		UNL FL150 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
RADAX (Turning Point) 220809.00N 0580230.00E						
	007° 88 NM		UNL FL150 CLASS A	ODD ↓		MOCA 7500 FT Lateral Limits (NM) : 10 NM
MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, G216, L631, M303, P513, Q978, T500, T502, T503, T505, T506, T508, T511
Note: Route between DEDSO and MCT to be used only for traffic landing at OOMS. Muscat Control 123.95 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
P513 (RNAV 5)						
BUBAS 245938.00N 0570003.00E						X-ing A777
	148° / 328° 63 NM		UNL 3000 FT CLASS A	ODD ↓	EVEN ↑	Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
GERAR 240600.00N 0573616.00E						X-ing B540
	143° / 323° 30 NM		UNL 3000 FT CLASS A	ODD ↓	EVEN ↑	Lateral Limits (NM) : 10 NM
MIXAM 234139.00N 0575523.00E						X-ing P570, P574, P899, R462, T508
	108° / 288° 19 NM		UNL 3000 FT CLASS A	ODD ↓	EVEN ↑	Lateral Limits (NM) : 10 NM
MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, G216, L631, M303, P316, Q978, T500, T502, T503, T505, T506, T508, T511
Muscat Control 119.80 MHz Flight Restriction: Note: To be used only by traffic: (1) To/from OOKB. (2) Arrivals to OOMS from North. (3) Section BUBAS-GERAR-MIXAM available for eastbound traffic departing from OMFJ. (4) Section MIXAM-GERAR available for westbound traffic destination OMSJ, OMRK and OMFJ exiting OOMM FIR via PASOV.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
P570 (RNAV 5)						
						FIR OOMM, VABF

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
KITAL (FIR boundary) 200300.00N 0601800.00E						
	329° / 149° 66 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
 GOLNI 210014.00N 0594130.00E						X-ing N569
	328° / 148° 17 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
 TAVKO 211519.00N 0593147.00E						X-ing L883
	328° / 148° 25 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
 BONOM 213636.00N 0591800.00E						
	328° / 148° 44 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
 EMURU 221357.00N 0585338.00E						X-ing M300, N563, T505
	327° / 147° 30 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
						X-ing L444, L555, M628,

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
TOLDA 224008.00N 0583624.00E						N318
	328° / 148° 24 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
◇ GIDAN 230104.00N 0582232.00E						X-ing N629, N881
	327° / 147° 27 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
◇ ITURA 232351.00N 0580720.00E						X-ing B400, L695, M762
	327° / 147° 21 NM		UNL FL280 CLASS A	ODD ↑	EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◇ MIXAM 234139.00N 0575523.00E						X-ing P513, P574, P899, R462, T508

Muscat Control 118.325 MHz

Flight Restrictions: Note 1: Traffic intending to land or overfly northern UAE airports below FL255 shall use route M762 (ITURA-TAPRA-VAXAS) to enter the OMAE FIR.
Note 2: Traffic entering the OOMM FIR at KITAL destination OMAL will be required to fly via MIXAM-P899-ITRAX.
Note 3: Traffic entering the OOMM FIR at KITAL destination OMSJ or OMRK shall route via MIXAM-P513-GERAR-B540-PASOV-KUPMA. All traffic expect FL180 at PASOV.
Note 4: Traffic routing via KITAL for overflying OMAE FIR shall route via EMURU-N563-SODEX.
Note 5: Traffic entering the OOMM FIR at KITAL for overflying OMAE FIR and intending to route via OIIX FIR shall route via MIXAM-P574-SOLUD.
Note 6: Overflying traffic intending to exit OOMM FIR at KITAL shall route via LABRI-N318-TOLDA-P570- KITAL or TARDI-N629-GIDAN-P570-KITAL.
Note 7: FL330 not available via KITAL.
Note 8: Traffic entering the OOMM FIR at KITAL destination OMAA, OMAD or OMAM shall use route Z855 via TULBU.

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
P574 (RNAV 5)						
◆ TOTOX (FIR boundary) 215030.00N 0622230.00E						X-ing L555, L631, N629 FIR OOMM, VABF
	294° / 113°111 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◇ LOSIM 223513.00N 0603238.00E						X-ing M628
	293° / 113°40 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◇ KAXEM 225103.00N 0595243.00E						X-ing L444
	293° / 113°30 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◇ MUSRU 230256.00N 0592223.00E						X-ing N881, T502
	293° / 113°20 NM		UNL FL280 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◇ PAROK 231030.00N 0590245.00E						X-ing L695
	293°36 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
 KUSRA 232426.00N 0582611.00E						X-ing A775, G652, M877
	300°33 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
 MIXAM 234139.00N 0575523.00E						X-ing P513, P570, P899, R462,T508
	307°30 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
 DAPOK 235956.00N 0572959.00E						X-ing T507, T508, T509, Y623
	306°38 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
 EMATA 242309.00N 0565721.00E						
	306°15 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
 SOLUD 243223.00N 0564421.00E						X-ing T508 Transfer of control point between OOMM and OMAE. U.A.E. Centre 125.725 MHz
	306°15 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM)

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						: 10 NM
PUXIL 244117.00N 0563145.00E						X-ing M564
	306°11 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
GISMO (FIR boundary) 244743.00N 0562236.00E						FIR OOMM, OMAE
Flight Restrictions: Note 1: Traffic entering the OOMM FIR at TOTOX destination OMAL shall route via MIXAM-P899-ITRAX. Note 2: Traffic entering the OOMM FIR at TOTOX destination OMSJ or OMRK shall route via P574-PAROK-L695-ITURA-P570-MIXAM-P513-GERAR-B540-PASOV-KUPMA. All traffic expect FL180 at PASOV. Note 3: Traffic entering the OOMM FIR at TOTOX destination in the northern UAE airports shall route via PAROK-L695-ITURA-M762-VAXAS. Note 4: Traffic entering the OOMM FIR at TOTOX destination OMAA, OMAD or OMAM shall use route via L555-TOLDA-M628-TULBU-Z855-SODEX. Note 5: Traffic entering the OOMM FIR at TOTOX for overflying OMAE FIR shall fly via L555-TOLDA-M628-TULBU-N563-SODEX (unless traffic is planning through OIIX FIR). Note 6: Traffic entering the OOMM FIR at TOTOX for overflying OMAE FIR and intending to route via OIIX FIR shall route via MIXAM-P574-SOLUD. Note 7: FL330 not available via TOTOX.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
P899 (RNAV 5)						
MIXAM 234139.00N 0575523.00E						X-ing P513, P570, P574, R462, T508
	282° 20 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 11000 FT

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						Lateral Limits (NM) : 10 NM
VELOD 234611.00N 0573435.00E						X-ing M762
	282° 73 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
PAXIM 240245.00N 0561631.00E						
	291° 28 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 11000 FT Lateral Limits (NM) : 10 NM
ITRAX (FIR boundary) 241248.00N 0554749.00E						X-ing Q978 FIR OOMM, OMAE
Muscat Control 124.70 MHz Flight Restrictions: Note 1: Only available for traffic overflying OOMM FIR and landing at southern UAE airports. Note 2: Not available for OOMS departures. These flights shall route via Q978 to ITRAX.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
Q620 (RNAV 5)						
						X-ing L631, N881

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
230324.00N 0595405.00E						
	099° 182 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
◆ PARAR (FIR boundary) 222630.00N 0630700.00E						X-ing M628, N571, N767, P307 FIR OOMM, VABF

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
Q730 (RNAV 5)						
◇ EGVAN 230127.00N 0561907.00E						X-ing M628, Z515
	011° 16 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
◇ EMISO 231734.00N 0562307.00E						X-ing P304
	011° 16 NM		UNL 11000 CLASS A/C	ODD ↓		Lateral Limits (NM) : 10 NM
◇ KOBIM 233309.00N 0562701.00E						X-ing N685
	011° 17 NM		UNL 11000 CLASS A/C	ODD ↓		Lateral Limits (NM) : 10 NM

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
DESPI 234951.00N 0563110.00E						
	011° 18 NM		UNL 8000 CLASS A/C	ODD ↓		Lateral Limits (NM) : 10 NM
KUNRA 240715.00N 0563531.00E						
	012° 26 NM		UNL 8000 CLASS A/C	ODD ↓		Lateral Limits (NM) : 10 NM
LADBI 243224.00N 0564117.00E						
Note: Only for traffic destination OOSH.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
Q978 (RNAV 1)						
MCT DVOR/DME 233528.04N 0581536.48E						M303, P316, P513, T500, T502, T503, T505, T506, T508, T511
	269°24 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 1 NM
ALMOG 233524.00N 0574940.00E						X-ing M762

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	269° 39 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 1 NM
IVETO 233520.00N 0570704.00E						
	293°53 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 1 NM
LOPIL 235642.00N 0561400.00E						
	304° 29 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 1 NM
ITRAX (FIR boundary) 241248.00N 0554749.00E						X-ing P899 FIR OOMM, OMAE
Flight Restrictions: Note 1: For traffic departing OOMS and exit OOMM FIR at ITRAX. Note 2: The maximum flight level departing OOMS destination OTHH or OBBI is FL320.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
R401 (RNAV 5)						
KIVEL (FIR boundary) 165306.00N 0553633.00E						X-ing B549, M551 FIR OOMM, OYSC
	008° / 188° 66 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM)

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						: 10 NM
ERDAX 175903.00N 0554458.00E						
	015° / 195° 61 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
DEDSO 185811.00N 0560041.00E						X-ing L710, P316, UL425
	015° / 195 62 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
HAI DVOR/DME 195813.31N 0561650.82E						X-ing B400, L556, R402
	001° / 179° 35 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 7500 FT Lateral Limits (NM) : 10 NM
VELIK 203322.00N 0561656.00E						X-ing N315, P304, UB424
	352° 43 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
ALNUN 211625.00N 0561041.00E						X-ing L883
	351° 45 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 7500 FT Lateral Limits (NM)

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						: 10 NM
◇ SUTLI 220121.00N 0560404.00E						X-ing N569
	351° 22 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ DATBU 222243.00N 0560054.00E						X-ing G652
	351° 26 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ KATAK 224811.00N 0555708.00E						X-ing Z515
	350° 14 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ LABSA 230153.00N 0555505.00E						X-ing M628
	350° 31 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◆ DOLFI 233253.00N 0555024.00E						X-ing Z855
	350° 9 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 7500 FT Lateral Limits (NM)

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						: 10 NM
◇ KURTA 234205.00N 0554900.00E						X-ing N563
	005° 36 NM		UNL 7500 FT CLASS A		EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◆ MUSAP (FIR boundary) 241754.00N 0555245.00E						FIR OOMM, OMAE
Muscat Control 123.95 MHz Flight Restrictions: Note 1: Airway between KURTA and MUSAP only available for traffic landing or overflying northern UAE airports. Traffic destination OMDB, OMRK and OMSJ expect to cross MUSAP below FL250. Traffic destination OMDW or OMDM expect FL150 at MUSAP. Note 2: All traffic on R401 intending to enter OMAE FIR shall route via DOLFI-Z855-SODEX.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
R402 (RNAV 5)						
◇ LAKLU 232235.00N 0570401.00E						X-ing, G216, N318, N685, Y855
	192° / 012° 23 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◆						X-ing M628, Z855

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
KUNGO 230034.00N 0565850.00E						
	192° / 012° 11 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
NALKI 224928.00N 0565614.00E						X-ing G652
	192° 60 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
MOGOK 215057.00N 0564236.00E						X-ing N569
	192° 72 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
TUBSA 204029.00N 0562626.00E						X-ing UB424
	192° 43 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
HAI DVOR/DME 195813.31N						X-ing B400, L556, R401
Muscat Control 124.70 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
R462 (RNAV 5)						
◆ DENDA (FIR boundary) 244230.00N 0605451.00E						FIR OOMM, OIIX
	242° / 062° 18 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ EGTAL 243458.00N 0603724.00E						X-ing B505
	243° / 063° 32 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ ASLOM 242113.00N 0600552.00E						X-ing B524, L430
	243° / 063° 36 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ MIXOL 240523.00N 0592959.00E						X-ing A777
	242° / 062° 10 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
◇ ALSAS 240054.00N 0591955.00E						X-ing P307
	243° / 063° 12 NM		UNL FL150 CLASS A	ODD ↑	EVEN ↓	MOCA 3000 FT Lateral

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						Limits (NM) : 10 NM
VUSET 235540.00N 0590812.00E						X-ing A454, M877, N571, T500
	257° 68 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
MIXAM 234139.00N 0575523.00E						X-ing P513, P570, P574, P899, T508
Muscat Control 128.15 MHz Flight Restrictions: Note 1: All traffic from DENDA destination OMDW or OMDM shall route from VUSET to A454-PASOV-M564 via PUXIL to VAXAS. All traffic expect FL190 at PASOV. Note 2: All traffic from DENDA destination OMSJ or OMRK shall route from VUSET via N571 to MENSA. All traffic expect FL160 at MENSA.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
T500 (RNAV 5)						
MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, G216, L631, M303, P316, P513, Q978, T502, T503, T505, T506, T508, T511
	066° / 246° 52 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 3000 FT Lateral

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						Limits (NM) : 10 NM
VUSET 235540.00N 0590812.00E						X-ing A454, M877, N571, R462
Note 1: Only for departing and arriving traffic OOMS. Note 2: The maximum Flight Level departing Muscat Intl for destination OPKC is FL310. Muscat Control 128.15 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
T502 (RNAV 5)						
MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, G216, L631, M303, P316, P513, Q978, T500, T503, T505, T506, T508, T511
	117° 70 NM		UNL FL150 CLASS A	ODD ↓		MOCA 10000 FT Lateral Limits (NM) : 10 NM
MUSRU 230256.00N 0592223.00E						X-ing N881, P574
Note: Only for traffic departing OOMS. Muscat Control 135.60 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
T503 (RNAV 5)						
 MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, G216, L631, M303, P316, 513, Q978, T500, T502, T505, T506, T508, T511
	126° 118 NM		UNL FL150 CLASS A	ODD ↓		MOCA 11000 FT Lateral Limits (NM) : 10 NM
 TUMET 222307.00N 0595702.00E						X-ing A775, L555
Note 1: Only for traffic departing OOMS. Note 2: FL330 not available via REXOD. Muscat Control 135.60 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
T504 (RNAV 5)						
 SUR VOR/DME 223247.90N 0592929.70E						X-ing M762
	331° 47 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 10000 FT Lateral Limits (NM) : 10 NM
						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
TARVI 231400.00N 0590444.00E						
	331° 19 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 4000 FT Lateral Limits (NM) : 10 NM
KARAR 233042.00N 0585438.00E						X-ing L631
Note: Only for traffic landing OOMS. Muscat Control 135.60 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
T505 (RNAV 5)						
MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, G216, L631, M303, P316, P513, Q978, T500, T502, T503, T506, T508, T511
	156° / 336° 88 NM		UNL FL150 CLASS A	ODD ↓	EVEN ↑	MOCA 11000 FT Lateral Limits (NM) : 10 NM
EMURU 221357.00N 0585338.00E						X-ing M300, N563, P570
Note 1: Only for traffic departing and arriving OOMS. Note 2: FL330 not available via LOTAV and KITAL.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
Muscat Control 135.60 MHz					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
T506 (RNAV 5)						
MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, G216, L631, M303, P316, P513, Q978, T500, T502, T503, T505, T508, T511
	235° 63 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 12000 FT Lateral Limits (NM) : 10 NM
TULBU 230005.00N 0571827.00E						X-ing G652, M440, M628, N563, N881, Z855
Muscat Control 124.70 MHz Flight Restriction: Note: Only for traffic departing OOMS exiting OOMM FIR via LUDID or TOKRA.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
T507 (RNAV 5)						
 DAPOK 235956.00N 0572959.00E						X-ing P574, T508, T509, Y623
	298° 54 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
 TAPRA 242607.00N 0563803.00E						X-ing M762 Transfer of control point between OOMM and OMAE.
Muscat Control 119.80 MHz Flight Restriction: Note 1: Only for traffic departing OOMS. Note 2: Only for traffic destination OMDW or OMDM shall route via TAPRA-M762-VAXAS and expect FL180 at TAPRA. ATC may re-route traffic to PASOV (B540) to facilitate the efficient flow of traffic into northern UAE airports.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
T508 (RNAV 5)						
 MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, G216, L631, M303, P316, P513, Q978, T500, T502, T503, T505, T506, T511
	288° 19 NM		UNL FL150 CLASS A		EVEN	MOCA 8000 FT

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
					↓	Lateral Limits (NM) : 10 NM
◇ MIXAM 234139.00N 0575523.00E						X-ing P513, P570, P574, P899, R462
	307° 29 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◇ DAPOK 235956.00N 0572959.00E						X-ing P574, T507, T509, Y623
	307° 53 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◆ SOLUD 243223.00N 0564421.00E						X-ing P574 Transfer of control point between OOMM and OMAE.
Muscat Control 119.80 MHz Flight Restrictions: Note 1: Only for traffic departing OOMS destination OMDB at FL200 or below. Note 2: Traffic departing OOMS transiting OMAE FIR entering OIIX FIR.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
T509 (RNAV 5)					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
 DAPOK 235956.00N 0572959.00E						X-ing P574, T507, T508, Y623
	316° 53 NM		UNL FL150 CLASS A		EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
 PASOV 243841.00N 0565037.00E						X-ing A454, B540, M564 Transfer of control point between OOMM and OMAE.
	319° 25 NM		13000 FT 3500 FT CLASS C		EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
 MENSA (FIR boundary) 245750.00N 0563249.00E						
	307° 13 NM		13000 FT 3500 FT CLASS C		EVEN ↓	MOCA 3000 FT Lateral Limits (NM) : 10 NM
 FJV DVOR/DME 250603.00N 0562116.00E						Emirates ACC 125.725 MHz
Muscat Control 119.80 MHz Flight Restriction: Note 1: Only available for traffic departing OOMS and landing at OMSJ, OMRK or OMFJ at FL180 or below. ATC may re-route traffic to TAPRA (M762) to facilitate the efficient flow of traffic into northern UAE airports. Note 2: Route between PASOV and FJV only available for traffic landing at OMFJ.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
T511 (RNAV 5)						
◇ MUSUK 234320.00N 0572148.00E						X-ing N629
	099° 50 NM		UNL FL150 CLASS A	ODD ↓		MOCA 11000 FT Lateral Limits (NM) : 10 NM
◇ MCT DVOR/DME 233528.04N 0581536.48E						X-ing B400, G216, L631, M303, P316, P513, Q978, T500, T502, T503, T505, T506, T508
Note: Only for traffic landing OOMS. Muscat Control 119.80 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
UB424 (RNAV 5)						
◇ GISKA 213503.00N 0574014.00E						X-ing L692, N569, P316
	051° 66 NM		UNL FL270 CLASS A	ODD ↑		MOCA 7500 FT Lateral Limits (NM) : 10 NM
◇ VUTAP 205411.00N						X-ing B400

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
0564449.00E						
	231° / 051° 22 NM		UNL FL270 CLASS A	ODD ↑	EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
TUBSA 204029.00N 0562626.00E						X-ing R402
	231° / 051° 11 NM		UNL FL270 CLASS A	ODD ↑	EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
VELIK 203322.00N 0561656.00E						X-ing N315, P304, R401
	230° / 050° 23 NM		UNL FL270 CLASS A	ODD ↑	EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
KASIN 201853.00N 0555742.00E						X-ing L710 X
	230° / 050° 14 NM		UNL FL270 CLASS A	ODD ↑	EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
OTISA 201000.00N 0554556.00E						X-ing L556
	250° / 070° 108 NM		UNL FL270 CLASS A	ODD ↑	EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
NOVNO 193313.00N						X-ing UL425

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
0535858.00E						
	250° / 070° 117 NM		UNL FL270 CLASS A	ODD ↑ /td>	EVEN ↓	MOCA 7500 FT Lateral Limits (NM) : 10 NM
◆ SABEL (FIR boundary) 185158.00N 0520339.00E						FIR OOMM, OYSC Muscat Control 123.95 MHz
Flight Restrictions: Note 1: Traffic intending to land at OOMS shall use P316 from GISKA. Note 2: Traffic entering OOMM FIR at SABEL destination OMDW or OMDM shall route via VELIK-R401- MUSAP and expect FL150 at MUSAP. Note 3: Traffic entering OOMM FIR at SABEL destination OMDB, OMSJ or OMRK shall route via VELIK-R401- MUSAP and expect to cross MUSAP below FL250.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
UB535 RNAV 5)						
◆ KAPET (FIR boundary) 163322.00N 0530614.00E						X-ing B535 FIR OOMM, OYSC
	063° / 243° 44 NM		UNL FL280 CLASS A	ODD ↓	EVEN ↑	MOCA 7000 FT Lateral Limits (NM) : 10 NM
◇ LADAR 165324.00N 0534655.00E						X-ing B549, B535
	063° / 244° 21 NM		UNL FL280 CLASS A	ODD ↓	EVEN ↑	MOCA 7000 FT

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						Lateral Limits (NM) : 10 NM
◇ SLL DVOR/DME 170259.36N 0540656.97E						X-ing P316
	223° 89 NM		UNL FL280 CLASS A		EVEN ↑	MOCA 7000 FT Lateral Limits (NM) : 10 NM
◇ ASTUN 180832.00N 0551040.00E						X-ing B400, B535
Muscat Control 123.95 MHz Flight Restrictions: Note 1: Aircraft intending to land OOMS shall use route P316. Note 2: Eastbound traffic shall use P316 from SLL to DEDSO then as planned Route. Note 3: Traffic entering OOMM FIR at KAPET or departing at OOSA destination OMDW or OMDM shall route via SLL-P316-DEDSO-R401-MUSAP and expect FL150 at MUSAP. Note 4: Traffic entering OOMM FIR at KAPET or departing at OOSA destination OMDB, OMSJ or OMRK shall route via SLL-P316-DEDSO-R401-MUSAP and expect to cross MUSAP below FL250.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
UL425 (RNAV 5)						
◆ GOBRO (FIR boundary) 193622.00N 0534741.00E						FIR OOMM, OEJD
	107° / 287° 11 NM		UNL FL255 CLASS A	ODD ↓	EVEN ↑	MOCA 8000 FT Lateral Limits (NM)

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
						: 10 NM
◇ NOVNO 193313.00N 0535858.00E						X-ing UB424
	107° / 287° 104 NM		UNL FL255 CLASS A	ODD ↓	EVEN ↑	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◇ ITUVO 190315.00N 0554328.00E						X-ing B400
	107° / 287° 17 NM		UNL FL270 CLASS A	ODD ↓	EVEN ↑	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◇ DEDSO 185811.00N 0560041.00E						X-ing L710, P316, R401
	108° / 288 118 NM		UNL FL270 CLASS A	ODD ↓	EVEN ↑	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◆ BOVOS (FIR boundary) 182230.00N 0575844.00E						FIR OOMM, OYSC ACC Muscat Control
	108° / 288 122 NM		UNL FL270 CLASS A	ODD ↓	EVEN ↑	MOCA 8000 FT Lateral Limits (NM) : 10 NM
◆ ASPUX (FIR boundary) 174404.00N 0600004.00E						X-ing N315 FIR OYSC, VABF Muscat Control 123.95 MHz
Muscat Control 123.95 MHz						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
Flight Restrictions: Note 1: FL330 not available for eastbound traffic via ASPUX. Note 2: Only FL340 and above available for westbound traffic exiting OOMM FIR via GOBRO.					

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
Y623 (RNAV 1)						
DAPOK 235956.00N 0572959.00E						X-ing P574, T507, T508, T509
	290° 29 NM		UNL 8000 CLASS A/C		EVEN ↓	Lateral Limits (NM) : 1 NM
GIVLA 241020.00N 0570032.00E						
Note: For traffic landing OOSH only.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
Y855 (RNAV 1)						
BOTAM 240227.00N						X-ing N629

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
0565320.00E						
	166° 41 NM		UNL 11000 CLASS A/C	ODD ↓		Lateral Limits (NM) : 1 NM
 LAKLU 232235.00N0570401.00E						X-ing G216, N318, N685, R402
Note: For departures from OOSH only. Flight Restriction: Note: Traffic from LAKLU intending to exit OOMM FIR at PARAR shall route via N318-GEVED-N881- AMBOS-Q620-PARAR.						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
Z515 (RNAV 5)						
 MIDGU (FIR boundary) 222706.00N 0552230.00E						X-ing M440
	055° 19 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
 ITKUN 223731.00N 0553934.00E						X-ing L710
	055° 19 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
 KATAK 224811.00N 0555708.00E						X-ing R401

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	055° 24 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
EGVAN 230127.00N 0561907.00E						X-ing M628, Q730
	058° 19 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
GENIR 231111.00N 0563630.00E						
	058° 18 NM		UNL FL150 CLASS A	ODD ↓		Lateral Limits (NM) : 10 NM
PUTSO 232037.00N 0565322.00E						X-ing N685
Muscat Control 124.70 MHz Note: Only available for traffic landing in Oman’s airports and shall expect flight levels between FL310 and FL370 inclusive at MIDGU. Transfer of control point between OOMM and OEJD. FIR OOMM, OEJD						

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
Z855 (RNAV 1)						
TULBU 230005.00N 0571827.00E						X-ing G652, M440, M628, N563, N881, T506

Route Designator (RNP Type) Name of Significant Points Coordinates	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper Limit Lower Limit Airspace classification	Direction of Cruising Levels		Remarks Controlling unit channel Logon address
1	2	3	4	5		6
	270° 18 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 1 NM
✦ KUNGO 230034.00N 0565850.00E						X-ing M628, R402
	297° 71 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 1 NM
✦ DOLFI 233253.00N 0555024.00E						X-ing R401
	315° 24 NM		UNL FL150 CLASS A		EVEN ↓	Lateral Limits (NM) : 1 NM
✦ SODEX (FIR boundary) 234954.00N 0553202.00E						X-ing N563 FIR OOMM, OMAE
Note: For traffic landing at OMAA, OMAD & OMAM.						

5	Bank and Post Office	There are Muscat Bank and Sohar International bank ATM located in Fahud area.
6	Tourist Office	NIL
7	Remarks	Supermarkets are available in Fahud area.

OOFD AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Cat 7
2	Rescue equipment	Two 8x8 foam tenders, carries total 20000 LTRS water, 5000 LTRS type ‘FFFP’ foam and 1000 KG dry powder. Additional one 6x6 foam tender carrying 12 500 LTRS water, 1500 LTRS type ‘FFFP’ foam available and 225 KG dry powder. Emergency water supplies available, 50 000 LTRS overhead tank at apron and additional water tanker 20000 LTRS WATER Open source 12 000 LTRS tank at each runway end
3	Capability for removal of disabled aircraft	Limited to GSE on-site and Recovery Kit available in Muscat up to B747 capacity will be arranged as required.
4	Remarks	NIL

OOFD AD 2.7 SEASONAL AVAILABILITY — CLEARING

NIL

OOFD AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	Apron	Surface: Strength:	Concrete PCN 120/R/B/W/T
2	Taxiway width, surface and strength	A	Width: Surface: Strength:	23 M Asphalt (flexible pavement) PCN 68/F/A/W/T
		B	Width: Surface: Strength:	23 M Asphalt (flexible pavement) PCN 67/F/A/W/T
3	ACL and elevation	Apron area, elev 565 FT AMSL		
4	VOR checkpoint	NIL		
5	INS checkpoint	NIL		
6	Remarks	NIL		

OOFD AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

OOGB AD 2.5 PASSENGER FACILITIES

1	Hotels	There is accommodation available at the PDO Qarn Alam camp and contractors motel (PAC). Accomodation is available only by prior arrangement. Al Tawoos PAC 8 KM/4.3 NM from aerodrome.
2	Restaurants	There is a canteen available at the PDO Qarn Alam camp and motel (PAC) at contractor camp. This facility is available only by prior arrangement.
3	Transportation	p Transportation can be made available by prior arrangement. Luxury buses.
4	Medical facilities	There is a Clinic at the PDO Qarn Alam camp. The nearest hospitals are at Adam, approx 150 KM/81 NM away by road and Nizwa, approx 200 KM/108 NM by road.
5	Bank and Post Office	Bank Muscat at Al Tawoos PAC.
6	Tourist Office	NIL
7	Remarks	NIL

OOGB AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 7 RFFS cover available at the airport 1 hour prior scheduled flight arrival. Cover for non-scheduled flights is available by prior arrangement.
2	Rescue equipment	Two 8x8 foam tenders carry total 20,000L water, 5000L type FFFP foam, 1000KG dry powder and fully equipped with rescue equipment in accordance with regulation. Emergency water supplies available: 20,000L water tanker and 12,000L underground tanks at each runway end
3	Capability for removal of disabled aircraft	Limited to GHSE on-site and Recovery Kit available in Muscat up to B747 capacity will be arranged as required.
4	Remarks	NIL

2	Clearance priorities	Nil
3	Remarks	AD available all seasons.

OOMS AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	a. North Civil Apron:	Surface: Strength:	Concrete PCN 115/R/A/W/T
		Except for Remote Stands (152, 151, 651, 652) and Cargo Apron	Surface: Strength:	Concrete PCN 84/R/A/W/T
		b. South Civil Apron:	Surface: Strength:	Asphalt and concrete PCN 56/R/A/W/U
		c. Royal Flight Apron:	Surface: Strength:	Asphalt and concrete PCN 56/R/A/W/T
		d. Police Aviation Apron:	Surface: Strength:	Asphalt and concrete PCN 56/R/A/W/T
		e.MRO Apron:	Surface: Strength:	Concrete PCN 78/R/B/W/T
2	Taxiway width, surface and strength		Width: Surface: Strength:	23 M plus 13.5 M paved shoulders southern maneuvering area (South of N1 & R1): Asphalt PCN 72/F/A/W/T
			Width: Surface: Strength:	25 M plus 17.5 M paved shoulders northern maneuvering area (North of N1 & R1): Asphalt PCN 91/F/A/W/T
		A, AP1, AP2, AR1, AR2, AR3, AR4, AS1, AS2, AS3, C1, C2, C3, C4, C7, C8, C9	Width: Surface: Strength:	NIL NIL PCN 72/F/A/W/T
		D1, D2, D3, D5, D6, D7, D9	Width: Surface: Strength:	NIL NIL PCN 94 /F /A /W /T

		VRB LIH. Markings: Displaced THR, RWY designators, TDZ, centreline, side stripes. RWY 26R: LGT: Edge, end-inset, THR-inset, WBAR, TDZ, centreline, RTIL, VRB LIH. Markings: Displaced THR, RWY designators, TDZ, centreline, side stripes. RWY 26L: LGT: Edge, end-inset, THR-inset, WBAR, RTIL, VRB LIH. Markings: RWY designators, TDZ, centreline, side stripes. TWY: LGT: Edge lights elevated/inset blue all TWYs. Centerline lights inset green all TWYs except TWY A Illuminated signs for TWY designators and direction signs. Markings: Runway 08L/26R holding positions (Y1, Y2, Y3, Y4, Y5, Y6,Y7, Y8 & Z1). Runway 08R/26L holding positions (D1, D2, D3, D5, D6, D7,D9, E1, E2, E3, E4, E5, E6, E7, E8 &E9). Intermediate holding positions on TWY A (AP1, AP2, AR1,AR2, AR3, AR4, AS1, AS2, AS3, C1, C2, C3, C4, C7, C8, C9). Intermediate holding positions on TWY V and TWY W (V1, V2,V3, V4, V5, V6, V7, V8 & W1, W2, W3, W4). Intermediate holding positions on TWY H, TWY G, TWY N & TWY R (H1, H2, H3, H4, H5, H6, H7, H8, G1, G2, G3, G4,G5, G6, GB1, N1, N2, R1, R2)
3	Stop bars	D1, D2, D3, D5, D6, D7, D9, E1, E2, E3, E4, E5, E6, E7, E8 & E9, G1, GB1, K1, K2, K3, K4, H2, H3, H6, H8, L1, M1, N1, N2, R1, R2, S1, W1, W2, W3, W4,V1, V2, V3, V4, V5, V6, V7, V8, Y1, Y2, Y3, Y4, Y5, Y6, Y7, Y8 & Z1.
4	Other runway protection measures	NIL
5	Remarks	- TWY Y1 is not permitted for Aircraft exit from RWY 08L/26R. - TWY AP1 - up to code F ACFTs - TWY AP2 -up to code E ACFTs - TWYs AS1, AS2, AS3 – up to code D ACFTs - TWYs AR1, AR2, AR3, AR4 – up to code F ACFTs - TWYs C1, C2, C3, C4, C7, C8, and C9 - up to code F, up to A380 and B748 - TWYs D2, D3,D5 and D6 – up to code E ACFTs - TWY E7 up to code E ACFTs - TWY E8 – up to code D ACFTs

OOMS AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
		0581814.81 E			
OOMS_0352	Antenna	233641.86 N 0581805.63 E	24.18	not marked not lit	NIL
OOMS_0405	Weather station	233636.86 N 0581732.83 E	13.76	not marked not lit	NIL
OOMS_0019	Pole	233615.72 N 0581455.89 E	26.13	not marked not lit	NIL
OOMS_2645	Tree	233616.32 N 0581456.59 E	21.28	not marked not lit	NIL
OOMS_0085	Pole	233540.83 N 0581847.35 E	15.33	not marked not lit	NIL
OOMS_0078	Pole	233545.76 N 0581846.88 E	14.98	not marked not lit	NIL
OOMS_0565	RVR	233531.56 N 0581721.80 E	13.13	not marked not lit	Frangible
OOMS_2799	Fuel Shed	233535.02 N 0581837.56 E	22.29	not marked not lit	NIL
OOMS_2796	Fuel Shed	233534.94 N 0581836.58 E	22.28	not marked not lit	NIL
OOMS_0595	Mast	233520.33 N 0581638.42 E	49.95	not marked lit	NIL
OOMS-0444	RVR	233527.68 N 0581632.02 E	17.18	not marked not lit	Frangible
OOMS_0458	Building	233524.56 0581800.67 E	60.53	not marked lit	NIL
OOMS-0424	Windsock	233536.00 N 0581814.15 E	14.30	not marked lit	Frangible
OOMS-0447	Weather station	233535.06 N 0581810.36 E	17.93	not marked lit	Frangible
OOMS-0425	Windsock	233536.93 N 0581627.96 E	20.10	not marked lit	Frangible
OOMS-0446	Weather station	233531.56 N 0581721.80 E	13.13	not marked not lit	Frangible
Refer to Aerodrome Obstacle Charts (Type A) and (Type B) Note 1: Obstacle list is available on request from OAMC, refer to section 2 subsection 6 for contact details.					

Airport Fire Department. If the services of the Airport Fire Department are required, the operator should notify the duty officer (Tel.: (968) 24 519718) at least 10 Minutes prior to start-up.Wearing high visibility jacket is required in the apron area.

20.2 TAXIING TO AND FROM STANDS

See Aerodrome and Parking Chart - ICAO

20.3 PARKING AREA FOR SMALL AIRCRAFT (GENERAL AVIATION)

Stands are allocated by OAMC and information is relayed to Aircraft by ATC.
See Aerodrome and Parking Chart - ICAO

20.4 PARKING AREA FOR HELICOPTERS

Helicopters are treated as fixed-wing aircraft.

20.5 APRON - TAXIING DURING WINTER CONDITIONS

Not applicable.

20.6 TAXIING LIMITATIONS

Ground movement of large aircraft:

All Boeing 777X aircraft operating at OOMS must adhere to the following procedure for wing tip folding:

• Wing tips must remain extended during the landing roll and while vacating the RWY;
• Wing tips are only to be folded once the aircraft has fully vacated the RWY.

20.7 SCHOOL AND TRAINING FLIGHTS - TECHNICAL TEST FLIGHTS - USE OF RUNWAYS

No instrument training flights allowed daily between 0300 - 0900 for CAT A and B.

20.8 HELICOPTER TRAFFIC - LIMITATION

Nil

20.9 REMOVAL OF DISABLED AIRCRAFT FROM RUNWAYS

Refer to section 6 subsection 3

OOMS AD 2.21 NOISE ABATEMENT PROCEDURES

21.1 OPERATORS PROCEDURES

21.1.1 To reduce aircraft noise disturbance to residents around the airport without compromising the safety of aircraft operations, it is recommended that aircraft avoid exceeding idle reverse thrust when using engine reverse upon landing on RWY 08L between 1600 and 0200 UTC.

21.1.2 Unless it is necessary for operational or safety reasons, when using engine reverse, arrivals on RWY 08L between 1600 and 0200 UTC may not exceed idle reverse thrust.

OOMS AD 2.22 FLIGHT PROCEDURES

22.1 SPECIAL PROCEDURES FOR MUSCAT CTR

The arrival, departure and transit routes shown on AD 2.OOMS-87 are mandatory to all VFR flights unless otherwise instructed by ATC.

22.2 RADAR SERVICES AND PROCEDURES

Aircraft will be vectored and sequenced to the appropriate final approach track (ILS, VOR, visual) so as to ensure an expeditious flow of traffic. Radar vectors and flight levels / altitudes will be issued, as required, for spacing and separating the aircraft so that correct landing intervals are maintained, taking into account various factors including aircraft characteristics.

Radar coverage - Muscat APP operates:

RAD at Muscat International Airport - Range 100 NM

Note: Pilots should operate SSR transponder equipment as follows:

a) Operation of transponders on apron areas is not permitted, except with ATC approval.

b) Departing acft shall squawk standby until take-off clearance is received.

c) All departure traffic from OOMS (Muscat International Airport) shall switch on ADS-B before startup.

d) all landing traffic (OOMS) shall keep ADS-B switched on till block-in acft stand

22.3 RADIO COMMUNICATION FAILURE PROCEDURE

22.3.1 At or above 9000 FT QNH:

a) If in VMC, continue flight in VMC;

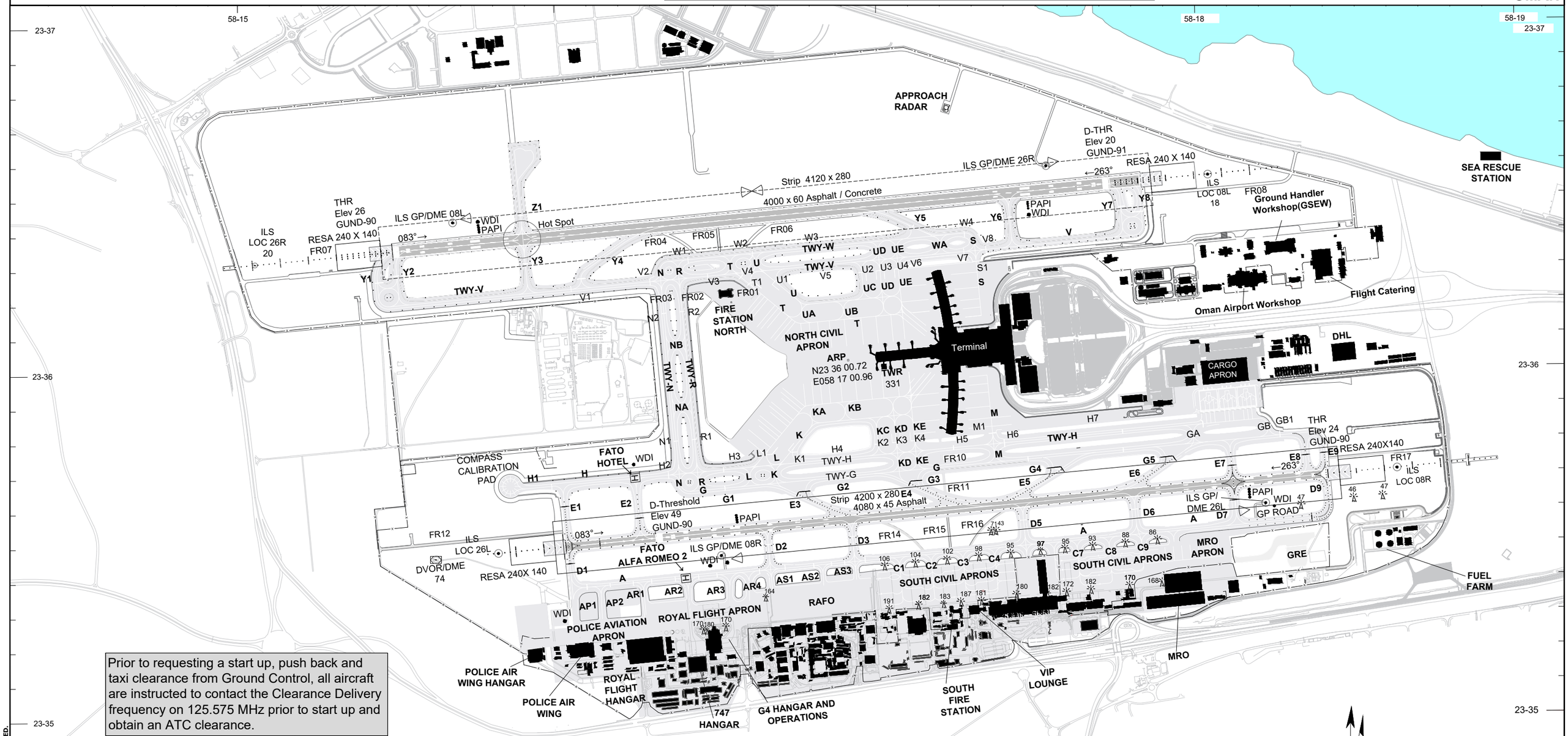
b) If in IMC, proceed direct to Muscat DVOR/DME at last assigned level and comply with ICAO procedure referenced in ENR 1.6. If unable to land, climb in DVOR/DME holding pattern and depart controlled airspace at applicable minimum en-route level, proceed to alternate.

22.3.2 Below 9000 FT QNH:

AERODROME CHART — ICAO | **WGS-84** | **AD ELEV 49 FT**

Muscat Tower North	118.825	Muscat Ground North	127.875	Muscat Information	126.800
Muscat Tower South	118.4	Muscat Ground South	121.800	Muscat Clearance Delivery	125.575

MUSCAT/Muscat Intl
OMAN



Prior to requesting a start up, push back and taxi clearance from Ground Control, all aircraft are instructed to contact the Clearance Delivery frequency on 125.575 MHz prior to start up and obtain an ATC clearance.

RWY	DIRECTION	THRESHOLD	STRENGTH	DECLARED DISTANCES (metres)			
				TORA	TODA	ASDA	LDA
08L Intersection Y3	85°(T) 85°(T)	N 23 36 21.27 E 058 15 28.63	PCN 91/F/A/W/T	4000m 3312m	4000m 3312m	4000m 3312m	4000m
26R Intersection Y6	265°(T) 265°(T)	N 23 36 32.57 E 058 17 49.30	PCN 91/F/A/W/T	4000m 3306m	4000m 3306m	4000m 3306m	3840m
08R	85°(T)	N 23 35 30.02 E 058 16 00.92	PCN 91/F/A/W/T	4080m	4080m	4080m	3600m
26L	265°(T)	N 23 35 41.54 E 058 18 24.31	PCN 91/F/A/W/T	4080m	4080m	4080m	4080m

AERODROME LIGHTING	
RWY 08L/26R:	RWY 08R/26L:
ALS LIH (length 900m) PAPI-L (3.00°) RED LIH RTHL (green) RTIL (white) RENL LIH (red) RTZL LIH (white) RCLL	ALS LIH (length 900m) PAPI-L (3.00°) RED RTHL (green) RTIL (white) RENL LIH (red)
RWY: RETIL Blue Edge Light	RWY: RETIL Blue Edge Light Center Line Lights(green, yellow) RED (yellow) STL (red)

VAR 02°E (2025)
Annual rate of change 0.05°E

BEARINGS ARE MAGNETIC
DIMENSIONS IN METRES
ELEVATIONS IN FEET

SCALE 1 : 20 000

100 0 100 200 300 400 500 M
500 0 500 1000 1500 FT

AMENDMENT: EDITORIAL, TWY C5, C6 & C10 REMOVED, FENCE UPDATED.

AIRCRAFT PARKING/DOCKING CHART SOUTH APRON - ICAO

AIRCRAFT PARKING/DOCKING CHART (SOUTH APRON) - ICAO

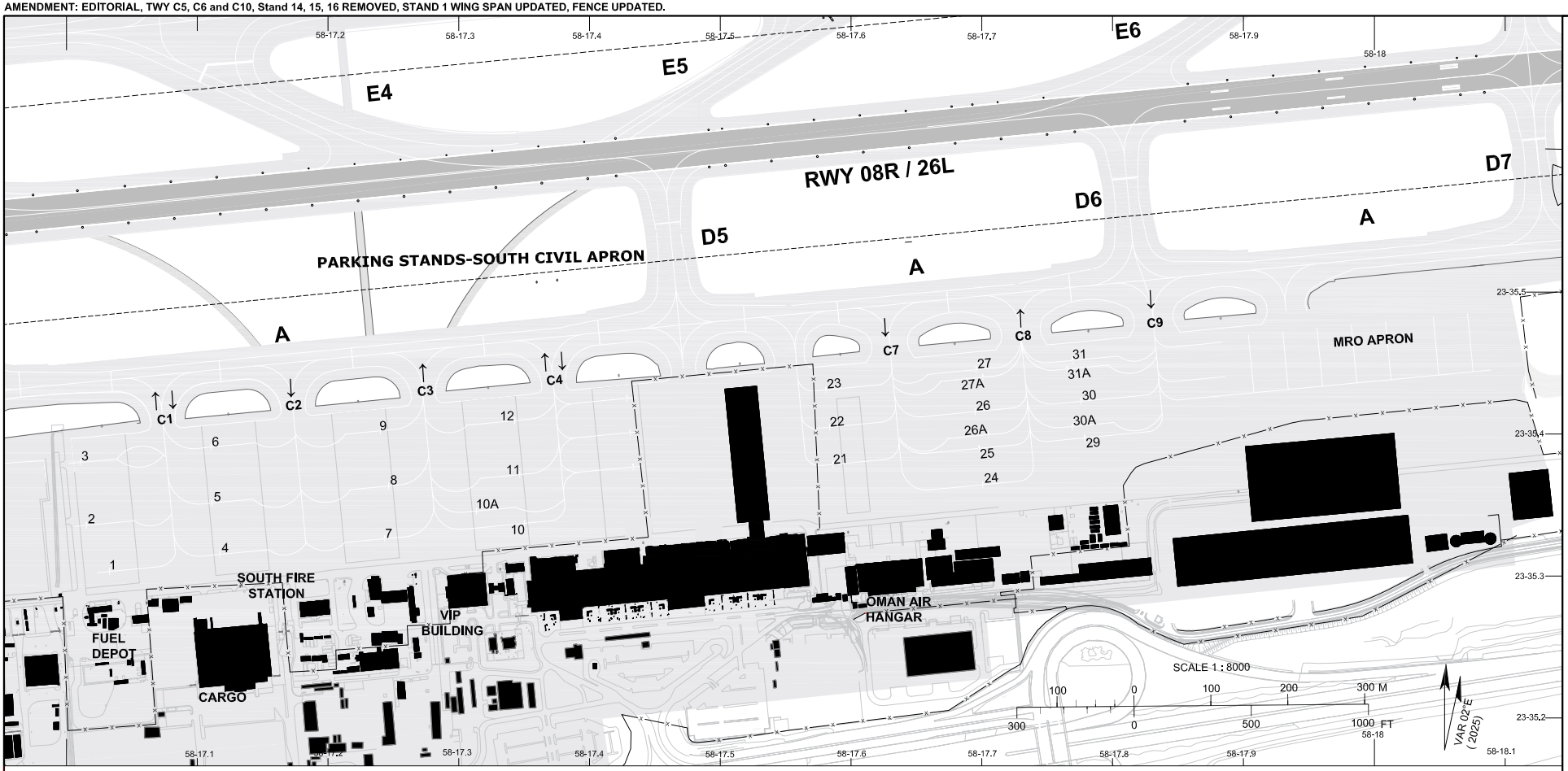
WGS-84

AD ELEV 49 FT

MUSCAT/Muscat Intl
OMAN

Muscat Information	126.800	Muscat Ground North	127.875
Muscat Tower North	118.825	Muscat Ground South	121.800
Muscat Tower South	118.4	Muscat Clearance Delivery	125.575

AMENDMENT: EDITORIAL, TWY C5, C6 and C10, Stand 14, 15, 16 REMOVED, STAND 1 WING SPAN UPDATED, FENCE UPDATED.



INS CHECKPOINTS CIVIL APRON

STAND	LAT	LONG	ELEV	STAND	LAT	LONG	ELEV
1	N23 35 19.43	E058 17 01.13	52	21	N23 35 23.68	E058 17 34.37	39
2	N23 35 21.39	E058 17 00.10	51	22	N23 35 25.26	E058 17 34.22	38
3	N23 35 24.06	E058 16 59.86	49	23	N23 35 26.84	E058 17 34.07	37
4	N23 35 20.11	E058 17 06.21	50	24	N23 35 22.77	E058 17 41.22	39
5	N23 35 22.29	E058 17 05.86	49	25	N23 35 24.31	E058 17 41.07	38
6	N23 35 24.65	E058 17 05.85	47	26A	N23 35 24.88	E058 17 41.51	37
7	N23 35 20.72	E058 17 13.78	47	26	N23 35 25.86	E058 17 40.91	36
8	N23 35 22.94	E058 17 13.97	46	27A	N23 35 27.31	E058 17 41.27	35
9	N23 35 25.28	E058 17 13.62	44	27	N23 35 27.63	E058 17 40.96	35
10	N23 35 21.31	E058 17 20.19	45	29	N23 35 24.71	E058 17 45.91	36
10A	N23 35 21.85	E058 17 17.99	46	30A	N23 35 25.20	E058 17 45.36	36
11	N23 35 23.38	E058 17 19.99	44	30	N23 35 26.26	E058 17 45.76	35
12	N23 35 25.65	E058 17 19.78	42	31A	N23 35 27.63	E058 17 45.14	34
				31	N23 35 27.99	E058 17 45.39	33

PARKING RESTRICTION

STAND	WING SPAN (MAX)	REMARKS
1	23.99m	PUSH BACK ,PULL FORWARD TO C1 HOLD POINT
2,3	64.94m	
4,7	51.97m	Stands 5&8 OK for A380 or B747-800 when 6&4 or 7&9 restricted to code C
5,8,9,11	64.94m	
6,12	60.30m	
10	35.81m	
26A,27A,30A,31A	64.94m	
21,22,23,24,25,26 27,28,29,30,31	35.81m	PUSH BACK Push back clearance required from tower

INS checkpoints aprons				
Stands	LAT	LONG	ELEV (FT)	Stand Restriction
1	N23 35 19.43	E058 17 01.13	52	Up to code B
2	N23 35 21.39	E058 17 00.10	51	Up to code E
3	N23 35 24.06	E058 16 59.86	49	Up to code E
4	N23 35 20.11	E058 17 06.21	50	Up to code D
5	N23 35 22.29	E058 17 05.86	49	- Up to code E - Up to Code F (A380 and B748) only when stand 4 and stand 6 are restricted to code C.
6	N23 35 24.65	E058 17 05.85	47	Up to code E
7	N23 35 20.72	E058 17 13.78	47	Up to code D
8	N23 35 22.94	E058 17 13.97	46	- Up to code E - Up to Code F (A380 and B748) only when stand 7 and stand 9 are restricted to code C.
9	N23 35 25.28	E058 17 13.62	44	Up to code E
10	N23 35 21.31	E058 17 20.19	45	Up to code C
10A	N23 35 21.85	E058 17 17.99	46	Up to code E only when Stand 10 and stand 11 not occupied
11	N23 35 23.38	E058 17 19.99	44	Up to code E
12	N23 35 25.65	E058 17 19.78	42	Up to code E
21	N23 35 23.68	E058 17 34.37	39	Up to code C
22	N23 35 25.26	E058 17 34.22	38	Up to code C
23	N23 35 26.84	E058 17 34.07	37	Up to code C
24	N23 35 22.77	E058 17 41.22	39	Up to code C
25	N23 35 24.31	E058 17 41.07	38	Up to code C

WGS-84/Obst Elevations EGM96

AD ELEV
49

ARP
N23 36 00.72
E058 17 00.96

AERODROME OBSTCALE CHART — ICAO TYPE B

MUSCAT/Muscat Intl
OMAN

OUTER HORIZONTAL SURFACE
150 meters above lowest threshold

CONICAL SURFACE
1:20 (5%) slope up to 100 meters above Inner Horizontal Surface Elevation

INNER HORIZONTAL SURFACE
45 meters above lowest threshold elevation

APPROACH SURFACE, HORIZONTAL (0%)
APPROACH SURFACE, SLOPE 1 : 40 (2.5%)
APPROACH SURFACE, SLOPE 1 : 50 (2%)
TAKE-OFF CLIMB SURFACE, SLOPE 1 : 50 (2%)
TRANSITIONAL SURFACE 1 : 7 (14.3%)
TAKE-OFF CLIMB SURFACE, SLOPE 1 : 62.5 (1.6%)

INSTRUMENT RUNWAY 08R/26L — Strip 4120 × 280 — 4000 × 60 Asphalt / Concrete
INSTRUMENT RUNWAY 08L/26R — Strip 4200 × 280 — 4000 × 60 Asphalt

ARP
N 23 36 00.72
E 058 17 00.96

VAR 02° E
ANNUAL CHANGE 0.03° E

WGS-84 2025

N

BEARINGS ARE MAGNETIC
ALTITUDES & ELEV IN FEET
DIMENSIONS IN METERS

HORIZONTAL SCALE 1:25 000

400 0 500 1000 1500 2000 2500 METERS
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 FEET

Obstacles shown are those which penetrate the surfaces specified in Annexe 4, Volume 1, Chapter 4

ORDER OF ACCURAC:
Horizontal 3m
Vertical 1ft

LEGEND

AERODROME REFERENCE POINT 23° 36' 00.27" N 58° 17' 00.96" E	⌖
BUILDING OR LARGE STRUCTURE	
OTHER OBSTACLE	
OTHER OBSTACLE (LIGHTED)	
TOWER	
MOSQUE	
TRANSMISSION LINE OR OVERHEAD CABLE	
TERRAIN	

AMENDMENT: TWYs TO SOUTH OF RWY 08R/26L UPDATED.

AMENDMENT RECORD

NO.	DATE	ENTERED BY

OOMX AD 2.1 AERODROME LOCATION INDICATOR AND NAME

OOMX MARMUL/Marmul

OOMX AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	180822.15 N 0551043.24 E Midpoint of RWY centreline
2	Direction and distance from (city)	Marmul Airport is located approximately 7 KM west-south-west of Marmul Camp in the Southern Oman.
3	Elevation/Reference temperature	915 FT/42.7°C
4	Geoid undulation at AD ELEV PSN	-114 FT Height of Geoid above reference ellipsoid (WGS-84)
5	MAG VAR/Annual change	1°E (2020)/0.05° increasing
6	AD Administration, address, telephone, telefax, telex, AFS, Email, website	Marmul Airport Oman Airports Management Company S.A.O.C. P.O. Box 1707 Postal Code 111 Muscat Sultanate of Oman Tel.: (968) 24 350000 Fax: (968) 24 250003 During working hours: Airport Manager Mobile: (968) 93 850484 Office: (968) 24670828 Aerodrome Flight Information Service Specialist Tel. (Office): (968) 24 386364 Mobile 24/7: (968) 71196927 Fax: (968) 24 386566 Emergency night landing Tel: (968) 24 385555 Oman Airports Muscat (HQ) Tel. (Office): (968) 24 35 2400/ 52414/ 52435
7	Types of traffic permitted (IFR/VFR)	IFR/VFR only in visual meteorological conditions (VMC). Minimum visibility for take-off & landing: 5000 M. Minimum

		NM away by road. Haima Hospital approximately 290 KM/157 NM by road.
5	Bank and Post Office	There is Bank Muscat available at Marmul contractors camp and Sohar International Bank located at PDO camp main entrance gate.
6	Tourist Office	NIL
7	Remarks	NIL

OOMX AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 7 RFFS cover is available for scheduled movements. Cover for non-scheduled flights is available by prior arrangement.
2	Rescue equipment	Two 8×8 Foam Tenders (Tigon) Each tender carries 10,000 L water, 2500 L Foam and 500 Kg dry powder. Monitor discharge rate 15000 LTRS/MIN One 6×6 foam tender (Rosenbauer) carries 12,500 L water, 1,500 L foam and 225Kg dry powder. Monitor discharge rate 6000 LTRS/MIN. One 4×4 Foam tender (Rosenbauer) carries 6,000 L water, 500 L foam and 135 Kg dry powder Emergency water supplies available 12,000 LTRS tank at each RWY end.
3	Capability for removal of disabled aircraft	Limited to GHSE on-site and Recovery Kit available in Muscat up to B747 capacity will be arranged as required.
4	Remarks	NIL

OOMX AD 2.7 SEASONAL AVAILABILITY — CLEARING

NIL

OOMX AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	Apron	Surface: Strength:	Asphalt PCN 44/F/A/X/T
		Apron	Surface: Strength:	Concrete PCN 51/R/A/X/T

8	Remarks	NIL

OOSH AD 2.3 OPERATIONAL HOURS

1	AD Administration	0400-1200 (SUN-THU), after administration hours OPS Officer will be on call
2	Customs and immigration	Available (Prior Permission Required)
3	Health and sanitation	NIL
4	AIS Briefing Office	NIL
5	ATS Reporting Office (ARO)	NIL
6	MET Briefing Office	NIL
7	ATS	24/7 (Prior Permission Required)
8	Fuelling	Available
9	Handling	Available
10	Security	Available H24
11	De-icing	NIL
12	Remarks	For unscheduled flights (PPR).

OOSH AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	N/A
2	Fuel/oil types	Jet A1
3	Fuelling facilities/capacity	100000 LTRS
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

OOSH AD 2.5 PASSENGER FACILITIES

1	Hotels	Unlimited in the city
2	Restaurants	In Suhar
3	Transportation	Public taxi
4	Medical facilities	Available
5	Bank and Post Office	In Suhar
6	Tourist Office	Available