

| MISSION DATA CARD |                 |           |       |            |     |             |        |     |
|-------------------|-----------------|-----------|-------|------------|-----|-------------|--------|-----|
| OPORD             |                 | Callsign  |       | Mission    |     | Date/Time   |        |     |
| 923/2022          |                 | Enfield 1 |       | CAS        |     | 192030MAY22 |        |     |
| Task              | CAS/SWARM BOATS |           |       |            |     |             | Freq   |     |
| AO                | ATO1013         |           |       |            |     |             | 132.15 |     |
| Departure         |                 |           |       | Recovery   |     |             |        |     |
| VFR Visual        |                 |           |       | VFR Visual |     |             |        |     |
| #                 | Callsign        |           | Pilot |            | IFF | TCN         | LSR    | NET |

| LOADOUT |                     |      |         |
|---------|---------------------|------|---------|
| A/A     | A9M                 | GUN  | 100% CM |
| A/G     | 7M282L, 2xA65G, G10 | CHF  | 60      |
| POD     | A184, TGP           | FLR  | 420     |
| TKS     |                     | FUEL | 80%     |

| TOLD |         |        |       |       |      |
|------|---------|--------|-------|-------|------|
|      | Takeoff | Target | Joker | Bingo | Land |
| FUEL | 8869    |        |       |       |      |

| AIRBASES |              |     |       |        |        |     |      |       |
|----------|--------------|-----|-------|--------|--------|-----|------|-------|
|          | Name         | TCN | ATIS  | GND    | TWR    | RWY | Elev | ILS   |
| Dep      | Al Minhad AB | 99X | 131.7 | 121.92 | 118.55 | 09  | 180  | 109.9 |
| Arr      | Al Minhad AB | 99X | 131.7 | 121.92 | 118.55 | 09  | 180  | 109.9 |
| Div      | Al Dhafra AB | 96X | 119.4 | 119.6  | 118.3  | 31R | 52   |       |

| FLIGHTPLAN |      |                        |     |     |
|------------|------|------------------------|-----|-----|
| #          | Name | Navaid/Coords/DME      | ALT | TOT |
| 1          | SHIP | N25 47.700 E056 47.800 |     |     |

| COMMS |                                  |
|-------|----------------------------------|
| Radio | Usage                            |
| 1     | 132.15                           |
| 2     | 250.000 - 377.800 (#8) - 250.000 |
| 3     | 31.50                            |

| OTHER FLIGHTS |          |               |        |               |       |       |
|---------------|----------|---------------|--------|---------------|-------|-------|
| Callsign      | Mission  | Airframe      | Freq   | TCN           | Grpld | Laser |
| Chevy 2       | BAI      | 2x A-10C      | 132.25 | 21/84         | 21    | 157X  |
|               | AO       | ATO1014       | Task   | BAI/ SILKWORM |       |       |
| Boar 3        | BAI      | 2x A-10C      | 132.35 | 21/84         | 22    | 158X  |
|               | AO       | ATO1015       | Task   | BAI/ SILKWORM |       |       |
| Colt 5        | Training | 4x F-16C      | 134.0  | 21/84         |       | 156X  |
|               | AO       |               | Task   | ATO: 1012     |       |       |
| Uzi 6         | OCA      | 3x F/A-18C    | 261.45 | 21/84         | 5     | 156X  |
|               | AO       | ATO1003 24B26 | Task   | OCA RWY STRK  |       |       |
| Tiger 1       | CAS      | 2x F/A-18C    | 261.15 | 11/74         | 1     | 155X  |
|               | AO       |               | Task   | Convoy Hunt   |       |       |
| Tiger 2       | Training | 2x F/A-18C    | 261.25 | 21/84         |       | 156X  |
|               | AO       |               | Task   |               |       |       |

| RADIO CHANNELS |      |                          |
|----------------|------|--------------------------|
| #              | Freq | Name                     |
| 1              |      | Flight/Squadron specific |

| RAMROD     |       |     |     |    |    |     |    |    |    |    |
|------------|-------|-----|-----|----|----|-----|----|----|----|----|
| 0          | 1     | 2   | 3   | 4  | 5  | 6   | 7  | 8  | 9  |    |
| S          | U     | B   | T   | R  | A  | H   | E  | N  | D  |    |
| KTC 1400 C |       |     |     |    |    |     |    |    |    |    |
|            | 0     | 1   | 2   | 3  | 4  | 5   | 6  | 7  | 8  | 9  |
| A          | KQFW  | UYO | IVL | MA | RB | GXN | JC | SH | PT | ED |
| B          | FKYT  | HXM | BNW | IR | PD | OGL | US | QV | AJ | EC |
| C          | BDIM  | LOP | JSK | VF | GC | EHT | WU | RQ | YA | XN |
| D          | XJOG  | VLS | QYH | MK | AI | BNU | TW | FR | EC | DP |
| E          | RCQN  | IYO | XUV | PK | DG | JHT | FL | BW | MA | ES |
| F          | BLGY  | SWN | CXT | IK | VA | DHQ | EJ | FO | PR | MU |
| G          | XUVN  | ALS | CDI | KB | FW | JRO | EQ | HP | MY | GT |
| H          | VINR  | YFA | TPG | MU | EW | DJX | QS | OB | KC | LH |
| I          | WJKA  | QIF | OTS | GD | CX | VRP | HL | YU | MN | EB |
| J          | IMQS  | XYC | BGJ | DL | NW | RUF | OP | VH | KA | ET |
| K          | MYOW  | UCJ | XVI | GA | ET | QLK | BD | RS | PN | HF |
| L          | LN VH | FMO | WCT | DB | UR | GJI | XQ | YS | EK | AP |
| M          | ICNJ  | SLK | FBY | PQ | OH | EGT | DR | XW | VM | AU |
| N          | EHJO  | YDN | UCL | MG | KB | RIV | FP | QW | XA | ST |
| O          | KFOW  | VSG | BDX | PM | AQ | NRE | UC | TJ | HL | YI |
| P          | XLOC  | PQD | HES | GM | JB | WNU | YI | VK | AF | RT |
| Q          | KYVU  | MHB | XNI | AS | OP | WDG | EF | RQ | LJ | TC |
| R          | XNVJ  | QEY | SDT | WF | HM | LGP | IC | KO | UA | RB |
| S          | WGIL  | SXR | CNK | YQ | OU | AMD | JP | HE | BV | TF |
| T          | WDPN  | UFR | LSH | GB | IM | KEA | YC | XT | OV | JQ |
| U          | QMAP  | YVL | UDB | SK | NR | WGT | FX | HC | OI | EJ |
| V          | SGPM  | ERA | FLB | WX | UO | QCN | VY | JT | HK | DI |
| W          | YWAK  | OJV | PCR | FM | DN | GHQ | SB | XE | IL | UT |
| X          | FSPC  | RLY | UGQ | JT | KD | HWN | OA | MB | IE | VX |
| Y          | CNUM  | GVE | TSX | OQ | LJ | HAB | IY | WF | KP | RD |

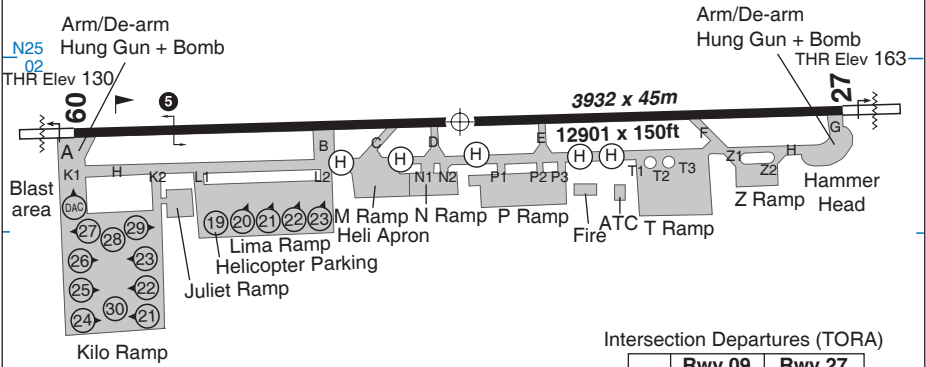
| NAVAIDS |                            |         |                      |           |
|---------|----------------------------|---------|----------------------|-----------|
| Id      | Name                       | Channel | Position             | Elevation |
| KER     | Kerman                     | 97      | N3015.930 E05657.651 | 5745      |
| SYZ     | Shyraz                     | 94      | N2932.516 E05235.082 | XXX       |
| BND     | Banda Abbas                | 78      | N2713.017 E05622.861 | 16        |
| HDR     | Havadarya                  | 47      | N2706.634 E05610.375 | 49        |
| KIH     | Kish International Airport | 112     | N2631.384 E05400.663 | XXX       |
| KCK     | Tunb Kochak                | 89      | N2614.543 E05508.752 | 13        |
| KSB     | Khasab                     | 84      | N2610.670 E05614.458 | 52        |
| JSK     | Jask                       | 78      | N2538.807 E05745.41  | 20        |
| ALD     | ALD                        | 99      | N2505.571 E05119.554 | 108       |
| MIN     | Al Minhad AB               | 99      | N2501.633 E05523.733 | 187       |
| MA      | Al Dhafra AB               | 96      | N2414.808 E05432.723 | 52        |

AERODROME

DUBAI/Minhad

|                               |         |     |                               |                              |    |
|-------------------------------|---------|-----|-------------------------------|------------------------------|----|
| Elev 172                      | Var 1°E | ARP | N25 01·61 E055 21·98 (WGS 84) | 15 AUG 19                    | D1 |
| MINHAD GROUND<br>290·5 121·92 |         |     | TOWER<br>248·1 118·55         | APP/RADAR<br>230·4 122·5     |    |
| E055 21                       |         |     | E055 22                       | MONKEY (UK Air Ops)<br>243·4 |    |
| N25 03                        |         |     |                               | ATIS (Dubai Int.)<br>131·7   |    |
|                               |         |     |                               | E055 23                      |    |

THRESHOLD COORDINATES  
Rwy 09 – N25 01·59 E055 20·80  
Rwy 27 – N25 01·63 E055 23·15



Intersection Departures (TORA)

| Twy | Rwy 09 (ft) | Rwy 27 (ft) |
|-----|-------------|-------------|
| B   | 9842        | 3280        |
| C   | 7874        | 5249        |
| D   | 6889        | 6233        |
| E   | 4921        | 8202        |
| F   | 2296        | 10826       |

- 1. **CAUTION.** Minhad aeronautical data and procedures are not sourced from State AIP.
- 2. **CAUTION.** Obsolete Rwy 27 displaced THR markings remain following completion of Rwy works.
- 3. **CAUTION.** Non-standard rwy markings, Assault Landing Zone (ALZ), Rwy 09/27 within the first 3500ft. The ALZ THR is 300ft from Rwy THR and 90ft wide.
- 4. Rwy 09/27. Prior to TKOF taxi forward 500ft to avoid damage to barrier net.
- 5. BAK14 cable is set 420m (1337ft) from Rwy 09 THR.
- 6. Inbd IFR acft are advised to establish contact with Minhad Twr prior to descending below 3000 to obtain traffic info for deconfliction purposes.
- 7. Migratory bird hazard exists, particularly during late summer and Autumn seasons.
- 8. Helis transiting VFR to/from Minhad through the Jumeirah Mandatory Broadcast Zones (MBZ) should broadcast deconfliction information on 134·65. For further information consult Dubai International AIP VFR Chart - ICAO VFR Routes Dubai CTR (AIP Charts OMDb AD-2·91 and ENR 2·2).

| RWY                    | SLOPE            | LDA m/ft   | APP LGT |       | RWY LGT             |
|------------------------|------------------|------------|---------|-------|---------------------|
| 09(089°T)<br>27(269°T) | 0·25%U<br>0·25%D | 3932/12901 | P3°     | CAT 1 | HIRL:RTHL:REDL:RENL |

## DUBAI/Minhad

OMDM/NHD- UAE

**Elev 172**    **Var 1°E**    **TA X3000**    **TRL FL150**    **O1 FEB 18**    **V1**

**TOWER  
118-55 248-1**

APPROACH  
**122-50 230-4**

**MSA KEN**

**R97 1500**

**D19 2000**

**R75 1500**

**MINHAD**  
MIN 115-2  
Ch 99  
N25 01-60  
E055 23-70

**RUWAYAH**  
N25 05-20  
E055 23-40

**To R65**

**6d**

**4d**

**UMH Range**

**SHARK**  
N24 58-10  
E055 22-50

**HAMOUR**  
▲ N24 59-40  
E055 24-90

**MARGHAM**  
N24 59-20  
E055 36-10  
Avoid overflight of MARGHAM Flame

**R61 3000**

**D18 13000**

**POINT 1**  
N24 53-60  
E055 39-50

**To R51**

**RAMAQ**  
N24 57-20  
E055 16-90

**RS1 Unlit FL145**

**OMDW CTR1 1500**

**High Level Departures to OM(R)-65 and OM(R)-51**

| INITIAL CLIMB ALTITUDE - Depart on runway track climbing to P500. |           | ROUTING                                                                                                                                                  |  |
|-------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| DEP                                                               | RWY       |                                                                                                                                                          |  |
| 09                                                                | OM (R)-65 | On passing 1000 contact Minhad App for further climb. At D2-0 MIN and not below 2000 turn right to MIN VOR. Continue as directed by Minhad App.          |  |
| 27                                                                | 268'm     | On passing 1000 contact Minhad App for further climb. At D4-0 MIN and not below 2000 turn left to MIN VOR. Continue as directed by Minhad App.           |  |
| 09                                                                | OM (R)-51 | On passing 1000 contact Minhad App for further climb. At D2-0 MIN and not below 2000 turn right to POINT 1. Continue as directed by Minhad App.          |  |
| 27                                                                | 268'm     | On passing 1000 contact Minhad App for further climb. At D4-0 MIN and not below 2000 turn toward RAMAQ then POINT 2. Continue as directed by Minhad App. |  |

**VFR Low Level Departures via MARGHAM**

09 On passing 1000 contact Minhad App and route dct to MARGHAM. Continue as dcdt by Minhad App

27 On passing 1000 contact Minhad App. At D6-0 MIN turn left toward RAMAQ. At RAMAQ turn left toward MARGHAM. Continue as dcdt by Minhad App.

DUBAI/Minhad  
MIPS

### VFR VISUAL (DEPARTURES)

## DUBAI/Minhad

### VFR VISUAL (ARRIVALS)

**TOWER 118.55 248.1**

**APPROACH 122.50 230.4**

**MSA KEN**

**3100**

**3800**

**2600**

**090°**

**180°**

**360°**

**25nm**

**NAZWA**

**N25 00.60**

**E055 39.50**

**MARGHAM**

**N24 59.20**

**E055 36.10**

**POINT 1**

**N24 53.60**

**E055 39.50**

**INITIAL 27**

**MIN 088°R 5d**

**RACETRACK**

**N24 58.50**

**E055 28.60**

**255°**

**090°**

**MINHAD**

**N25 01.60**

**E055 23.70**

**Ch 99**

**RUWAYAH**

**N25 05.20**

**E055 23.40**

**1**

**2**

**3**

**HAMOUR**

**N24 59.40**

**E055 24.90**

**SHARK**

**N24 58.10**

**E055 22.50**

**268°**

**088°**

**POINT 2**

**N24 54.90**

**E055 23.50**

**RAMAQ**

**N24 57.20**

**E055 16.90**

**090°**

**050°**

**SAFI**

**N24 57.60**

**E055 11.90**

**090°**

**OMDW CTR1**

**1500**

**R51**

**Unit**

**FL145**

**R61**

**3000**

**D18**

**13000**

**R51**

**Unit**

**FL145**

**R75**

**1500**

**D19**

**2000**

**UMH**

**Range**

**P41**

**1000g**

**ROUTEING**

| FROM  | RWY | ROUTEING                                                                                                        |
|-------|-----|-----------------------------------------------------------------------------------------------------------------|
| NORTH | 09  | Route to overhead MIN. Descent and routing as directed by Minhad App.                                           |
|       | 27  | Route to overhead MIN. Descent and routing as directed by Minhad App.                                           |
| SOUTH | 09  | POINT 2 - RAMAQ on approaching RAMAQ turn to position for INITIAL 09.                                           |
|       | 27  | POINT 1 - MARGHAM turn to position for INITIAL 27.                                                              |
| EAST  | 09  | At NAZWA fly track 255° on reaching RACETRACK turn right 268°.                                                  |
|       | 27  | Approaching RAMAQ turn right to position for INITIAL 09.                                                        |
| WEST  | 09  | At MARGHAM turn to position for INITIAL 27.                                                                     |
|       | 27  | At SAFI fly track 050° and position for INITIAL 09.                                                             |
| WEST  | 09  | At SAFI fly track 090°. At RAMAQ fly track 088°. At RACETRACK turn left track 360° and position for INITIAL 27. |
|       | 27  |                                                                                                                 |

**Rotary Traffic Visual Reporting Points**

| FROM | RWY     | ROUTEING |
|------|---------|----------|
| 1    | RUWAYAH | 09/27    |
| 2    | SHARK   | 09/27    |
| 3    | HAMOUR  | 09/27    |

**As directed by ATC**

OMDM/NHD- UAE

AL DHAFRA, UNITED ARAB EMIRATES

TACAN RWY 13L

AL DHAFRA (OMAM)

|                                             |                         |                                                      |
|---------------------------------------------|-------------------------|------------------------------------------------------|
| VORTAC MA<br><b>114.9</b><br>Chan <b>96</b> | APCH CRS<br><b>131°</b> | Rwy ldg <b>12,012</b><br>THRE<br>Arpt Elev <b>52</b> |
|---------------------------------------------|-------------------------|------------------------------------------------------|

476 vFG

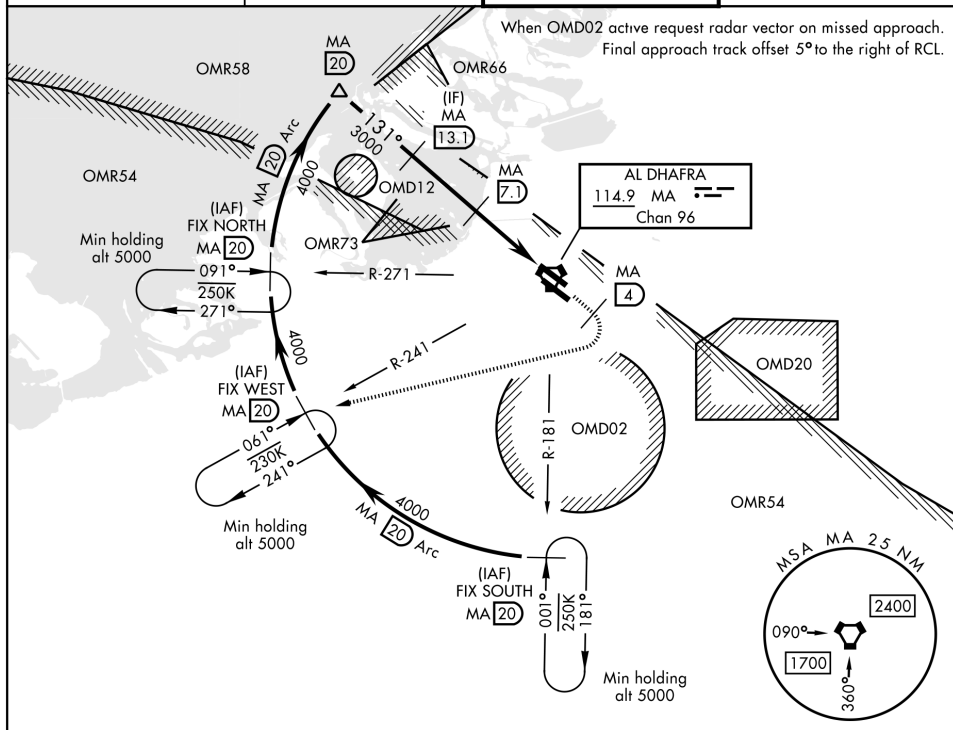
\* When ALS inop, raise CAT AB vis to 3400m and CAT CDE vis to 3600m.  
\*\* Circling not authorized Northeast of airport.

ALSF-1



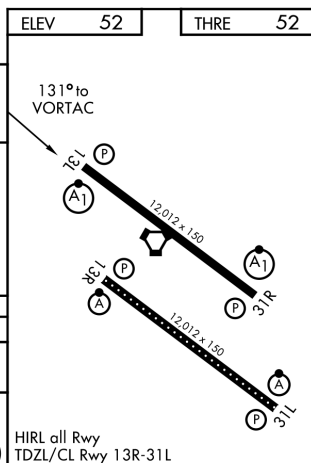
MISSED APPROACH: Climb 5000 (4930) on track 131°, passing MA VORTAC 4 DME turn right direct to FIX WEST and hold. No turn before MAP.

|                        |                                         |                                    |                                |
|------------------------|-----------------------------------------|------------------------------------|--------------------------------|
| ATIS ★<br><b>258.2</b> | ABU DHABI APP CON<br><b>124.4 270.0</b> | TOWER ★<br><b>126.6 251.1 39.5</b> | GND CON<br><b>122.15 240.9</b> |
|------------------------|-----------------------------------------|------------------------------------|--------------------------------|



## RADAR and DME REQUIRED

|            |                                 |  |                                 |  |                                 |  |                                 |  |   |  |
|------------|---------------------------------|--|---------------------------------|--|---------------------------------|--|---------------------------------|--|---|--|
| CATEGORY   | A                               |  | B                               |  | C                               |  | D                               |  | E |  |
|            | S-13*                           |  | 630-2700m<br>553 (600-2700m)    |  | 630-2900m                       |  | 553 (600-2900m)                 |  |   |  |
| CIRCLING** | 630-2700m<br>553<br>(600-2700m) |  | 760-3700m<br>683<br>(700-3700m) |  | 780-3800m<br>703<br>(800-3800m) |  | 870-4400m<br>793<br>(800-4400m) |  |   |  |



AL DHAFRA, UNITED ARAB EMIRATES

24°14'N-54°33'E

AL DHAFRA (OMAM)

TACAN RWY 13L

