

AD 2. AERODROMES

OJAM AD 2.1 AERODROME LOCATION INDICATOR AND NAME

OJAM - AMMAN/Marka International

OJAM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

| | | |
|---|---|---|
| 1 | ARP coordinates and site at AD | 315821.73194N 355929.65800E from center of Runway |
| 2 | Direction and Distance from city center | 2.77 NM North East. |
| 3 | Elevation / Reference temperature | 2555FT (779M) 32 ^o .6C |
| 4 | Geiod undulation at AD ELEV PSN | 21.5 FT |
| 5 | Magnetic variation / Annual change | 3 ^o 24.9' E / 2.3 E |
| 6 | AD administration, address, telephone, fax, AFS | AMMAN/Marka Airport P.O.Box :7547 AMMAN-JORDAN TEL :4891401-6,4894218 FAX :4892624 AFS :OJAMYDYX |
| 7 | Types of traffic permitted (IFR/VFR) | IFR/VFR |
| 8 | Remarks | Nil |

OJAM AD 2.3 OPERATIONAL HOURS

| | | |
|----|----------------------------|-----|
| 1 | Aerodrome Administration | H24 |
| 2 | Customs and immigration | H24 |
| 3 | Health and sanitation | H24 |
| 4 | AIS Briefing Office | H24 |
| 5 | ATS Reporting Office (ARO) | H24 |
| 6 | MET Briefing Office | H24 |
| 7 | Air Traffic Service (ATS) | H24 |
| 8 | Fueling | H24 |
| 9 | Handling | H24 |
| 10 | Security | H24 |
| 11 | De-Icing | Nil |
| 12 | Remarks | Nil |

| OJAM AD 2.4 HANDLING SERVICES AND FACILITIES | | |
|---|---|--|
| 1 | Cargo-handling facilities | One 6 tones Fork Left 14FT High Loader 7 tones, Belt conveyor, sufficient vehicles and handling equipment. |
| 2 | Fuel / oil types | Fuel : JET A1.AVGAS 100/130 Oil : all types normally available |
| 3 | Fueling facilities/ Capacity | Available H24, No limit. |
| 4 | De-icing facilities | Available |
| 5 | Hangar space for visiting aircraft | 1500M square unheated hangar PPR Door 35x15 M. |
| 6 | Repair facilities for visiting aircraft | Saber liner 75A, PA28, B707, B727, B720, B737, and B747. |
| 7 | Remarks | Nil |

| OJAM AD 2.5 PASSENGER FACILITIES | | |
|---|---------------------|---|
| 1 | Hotels | Nil, available at city. |
| 2 | Restaurants | Nil, available at city |
| 3 | Transportation | Airport Taxi, Buses and Taxis to Amman. |
| 4 | Medical facilities | First aid treatment at AD, Hospitals in Amman 1 NM. |
| 5 | Bank Post Office | Available at aerodrome H24 Nil |
| 6 | Tourist Office | Nil, available in city center. |
| 7 | Remarks | Nil |

| OJAM AD 2.6 RESCUE AND FIRE FIGHTING SERVICES | | |
|--|---|---|
| 1 | AD category for fire fighting | H24 : CAT 8 |
| 2 | Rescue equipment | Minimum Range Helicopter , with 73 trained persons |
| 3 | Capability for removal of disabled aircraft | Limited equipment available, companies should use IATA pooling arrangement. |
| 4 | Remarks | Nil |

| OJAM AD 2.7 SEASONAL AVAILABILITY-CLEARING | | |
|---|-----------------------------|--|
| 1 | Types of clearing equipment | Nil |
| 2 | Clearance Priorities | RWY in use, TWYs, Aprons, and Run-up area. |
| 3 | Remarks | Limited equipment is available. |

| OJAM AD 2.8 APRONS TAXIWAYS AND CHECK LOCATIONS / POSITIONS DATA | | |
|---|---|--|
| 1 | Apron surface and strength | <p>Dimensions : 1 Apron 205 x 145M : 3 Apron 85 x 80M : 4 Apron 200 x 110M : 5 Apron 134 x 77 : Royal Falcon Apron 130 x 70M</p> <p>Surface : Asphalt (flexible) Strength : PCN 41/F/C/W/U</p> <p>Dimensions : 2 Apron 150 x 135M : 6 Apron 69 x 49</p> <p>Surface : Concrete (rigid) Strength : PCN 54/R/C/W/U</p> <p>(Apron. Taxiway Military) Dimensions : 562 x 90M Surface : Asphalt and Concrete (rigid + flexible) Strength : PCN 54/R/C/W/U</p> |
| 2 | Taxiway width, surface, and strength | <p>(Taxiway A) Width : 38M with shoulders : 23M without shoulders Surface : Asphalt (Flexible) Strength: : PCN 55/F/C/W/U</p> <p>(Taxiway B) Width : 52M with shoulders : 37M without shoulders Surface : Asphalt (Flexible) Strength: : PCN 41/F/C/W/U</p> <p>(Taxiway C) Width : 32M with shoulders : 17M without shoulders Surface : Asphalt (Flexible) Strength: : PCN 41/F/C/W/U</p> <p>(Taxiway D , E) Width : 40M with shoulders : 25M without shoulders Surface : Asphalt (Flexible) Strength: : PCN 54/F/C/W/U</p> <p>(Apron Taxiway F) Width : 125M with shoulders Surface : Asphalt (Flexible) Strength: : PCN 54/F/C/W/U</p> |
| 3 | Altimeter checkpoint location and elevation | <p>1- Holding point at THR RWY 06, Elevation 2555 FT 2- Holding point at THR RWY 24, Elevation 2458 FT</p> |
| 4 | VOR Check points | Nil |
| 5 | INS Check points | <p>INS coordinates of APR Bays 1 315827.41502N 355902.08746E 2480 FT 2 315823.84907N 355854.43889E 2473 FT 3 315817.93272N 355855.81631E 2477 FT 4 315820.16533N 355904.74522E 2483 FT</p> |
| 6 | Remarks | Nil |

| OJAM AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS | | |
|--|---|---|
| 1 | Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands | Taxiing guidance signs at all intersections with TWY and RWY at all holding positions, Except Apron TWY F. Guide lines at all Aprons. |
| 2 | RWY and TWY markings and LGT | RWY: Designation, TDZ, centerline, marked and not lighted. THR, edge runway end marked and lighted. TWY: Center line, holding positions at all TWY/RWY intersections, marked and lighted. |
| 3 | Stop bars | Nil |
| 4 | Remarks | Nil |

| OJAM AD 2.10 AERODROME OBSTACLES | | | | |
|---|----------|---------|--------------|-----|
| Obstacles in Approach and Take off Areas | | | | |
| RWY | TYPE | ELEV(M) | FROM RWY THR | |
| | | | DIST (M) | MAG |
| 06 | Building | 937 | 9525 | 249 |
| | Building | 909 | 8885 | 247 |
| | Building | 940 | 9430 | 241 |
| | Building | 956 | 10160 | 236 |
| | Building | 787 | 480 | 236 |
| | *Mosque | 785 | 1010 | 245 |
| 24 | - | - | - | - |
| Natural obstacles penetrating surfaces off all runways are shown on Aerodrome Obstacle Charts Type A. *Remarks: Obstacles Lighted. | | | | |

| OJAM AD 2.11 METEROLOGICAL INFORMATION PROVIDED | | |
|--|---|--|
| 1 | Associated MET Office | Amman/Marka |
| 2 | Hours of service MET Office outside hours | H24 ----- |
| 3 | Office responsible for TAF preparation Periods of validity | Marka MET Office 18, 24 |
| 4 | Trend forecast Interval of issuance | TAF, TREND TAF HOURLY |
| 5 | Briefing/consultation provided | P, T, FAX |
| 6 | Flight documentation Language(s) used | C, TAF Code Form English |
| 7 | Charts and other information available for briefing or consultation | SIG, W.C U "Upper" W "Wind" T ⁰ = TEMP 330,340 390FL, 050, 100, 140, 180, 240, and 300 |
| 8 | Supplementary equipment available for Providing information | WX Radar APT, WEFAX HRPT of NOAA , AMSS |
| 9 | ATS units provided with information | Amman FIC, ACC, RCC |
| 10 | Additional information (limitation of service, etc.) | SPECI Warnings |

| OJAM 2.12 RUNWAY PHYSICAL CHARACTERISTICS | | | | | |
|---|-------------------------|--------------------------|--|--|---|
| Designations RWY NR | True & MAG BRG | Dimensions of RWY (M) | Strength(PCN) and surface of RWY and SWY | THR coordinates and THR geoid undulation | THR elevation and highest elevation of TDZ of precision APP RWY |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 06 | 065 T ° 061 M ° | 3275 x 45 | Runway PCN 55/F/C/W/U Asphalt Flexible | 315758.54N 0355833.52E 21.5 FT | THR 2555 FT (778M) |
| 24 | 245 T ° 241 M ° | | Stopway Asphalt Flexible | 315844.90N 0360025.79E 21.5 FT | THR 2458 FT (749M) |
| Slopes of RWY-SWY | SWY Dimension (M) | CWY Dimensions (M) | Strip dimensions (M) | OFZ | Remarks |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 0.14(700) + 1.25(400) + 1.27(550) + 1.4(550) + 0.74(400) + 1.28(700) | 120 x 45 | 329 x160 | 3630 x150 | 900x150 | Nil |
| | 224 x 45 | 314 x160 | 3630 x150 | Nil | Nil |

| OJAM AD 2.13 DECLARED DISTANCES | | | | | |
|---------------------------------|-------------|-------------|-------------|------------|---------|
| RWY Designator | TORA (M) | TODA (M) | ASDA (M) | LDA (M) | Remarks |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 06 | 3275 | 3602 | 3395 | 3275 | Nil |
| 24 | 3275 | 3589 | 3499 | 3275 | Nil |

| OJAM AD 2.14 APPROACH AND RUNWAY LIGHTING | | |
|---|------------------------------|--------------------------------|
| 1 | RWY Designator | 06 |
| 2 | APPROACH LIGHT | Nil |
| 3 | THR LIGHT | |
| | COLOUR | Green |
| | WBAR | Green |
| 4 | VASIS | Nil |
| | (MEHT) | 22.11M |
| | PAPI | 4 units – 3 DEG- On left side |
| 5 | TDZ LIGHT | Nil |
| 6 | RWY CENTER LINE LIGHT | Nil |
| 7 | RWY EDGE LIGHT | |
| | LENGTH | 3275M |
| | SPACING | 60M |
| | COLOUR | White |
| | INTENSITY | 6.6A (5 steps) |
| 8 | RWY END LIGHT | |
| | COLOUR | Red |
| | WBAR | red |
| 9 | STOPWAY LIGHT | Nil |
| 10 | REMARK | Nil |
| | | |
| 1 | RWY Designator | 24 |
| 2 | APPROACH LIGHT | |
| | TYPE | CAT 1 |
| | LENGTH | 900M |
| | INTENSITY | 6.6A (5 steps) |
| 3 | THR LIGHT | |
| | COLOUR | Green |
| | WBAR | Green |
| 4 | VASIS | Nil |
| | (MEHT) | 18.28M |
| | PAPI | 4 units - 3 DEG – On left Side |
| 5 | TDZ LIGHT | Nil |
| 6 | RWY CENTER LINE LIGHT | Nil |
| 7 | RWY EDGE LIGHT | |
| | LENGTH | 3275M |
| | SPACING | 60M |
| | COLOUR | white |
| | INTENSITY | 6.6A (5 steps) |
| 8 | RWY END LIGHT | |
| | COLOUR | Red |
| | WBAR | Red |
| 9 | STOPWAY LIGHT | Nil |
| 10 | REMARK | Nil |

| OJAM AD 2.15 OTHER LIGHTING,SECONDARY POWER SUPPLY | | |
|--|--|--|
| 1 | ABN/IBN Location, Characteristics and hours of operation | <u>ABN:</u> At TWR building, FLG G + W every 2.5 SEC , available from sunrise to sunset and bad visibility weather . <u>IBN :</u> Nil |
| 2 | LDI location and LGT Anemometer location and LGT | Not available Not available |
| 3 | TWY Edge and centre line lighting | Edge: All TWY Center line: TWY A, B,C, D, E |
| 4 | Secondary power supply Switch-over time | Secondary power supply to all lighting at AD. Switch-over time: 10 SEC |
| 5 | Remarks | Nil |

| OJAM AD 2.16 HELICOPTER LANDING AREA | | |
|--------------------------------------|---|------------|
| 1 | Coordinates TLOF or THR of FATO Geoid undulation | NIL |
| 2 | TLOF and/or FATO elevation M/FT | |
| 3 | TLOF and FATO area dimensions, surface, strength, marking | |
| 4 | True BRG of FATO | |
| 5 | Declared distance available | |
| 6 | APP and FATO lighting | |
| 7 | Remarks | |

| OJAM AD 2.17 ATS AIRSPACE | | |
|---------------------------|-----------------------------------|---|
| 1 | Designation and lateral limits | <u>Control Zones in AMMAN FIR</u> <u>AMMAN CTR</u> 320356.10518N 355159.09688E 320356.10741N 361059.12258E 321026.11481N 362759.14456E 320426.11076N 363659.15768E 315256.09991N 362529.14390E 315256.09547N 354659.09195E |
| 2 | Vertical limits | SFC to 5500 FT ALT |
| 3 | Airspace classification | C |
| 4 | ATS unit call sign Language(s) | Amman TWR English, Arabic |
| 5 | Transition altitude | 13000 FT AMSL |
| 6 | Remarks | Nil |

| OJAM AD 2.18 ATS COMMUNICATION FACILITIES | | | | |
|--|------------------|------------------------|---------------------------|------------------------|
| Service designation | Call Sign | Frequency | Hours of operation | Remarks |
| 1 | 2 | 3 | 4 | 5 |
| TWR | Amman Tower | 118.1 MHZ 118.1 MHZ | H24 | Primary Frequency |
| | SMC | 121.7 MHZ 121.7 MHZ | H24 | Used for aircraft |
| | | 121.9 MHZ 121.9 MHZ | H24 | Used for Vehicles |
| | | 121.6 MHZ 121.6 MHZ | H24 | Used for civil Defence |

| OJAM AD 2.19 RADIO NAVIGATION AND LANDING AIDS | | | | | | |
|--|-----------------|------------------------|--------------------|--|---------------------------------------|------------------------------|
| Type of aid, MAG VAR, Type of supported OP (for VOR/ILS/MLS, give declination) | ID | FREQ | Hours of operation | Position of transmitting antenna coordinates | Elevation of DME transmitting antenna | Remarks |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| NDB | JYO | 391 KHZ | H24 | 320017.21663N 360356.08470E | | |
| DVOR/ DME | AMN | 116.3 MHZ CH110X | H24 | 320014.65594N 360357.55473E | | |
| LLZ RWY 24 ILS CAT I | IAMN | 109.5 MHZ | H24 | 315753.41000N 355821.21440E | 748.89M | 359M FM THR RWY 06 . |
| GP RWY 24 | Dots/ Dashes | 332.6 MHZ CH32X | H24 | 315837.33000N 360017.58000E | | Angle 3 DEG. RDH 14.996M. |

OJAM AD 2.20 LOCAL TRAFFIC REGULATIONS

AMMAN MARKA TOWER CONTROL

Out - Bound Procedures

1. Start – Up

- 1.1 Ground Controller will request start - up and ATC clearance from TACC for traffic subject to APP.
- 1.2 Ground Controller will advise TWR of traffic starting - up.
- 1.3 TWR will pass ATC clearance to flights not subject to APP (5000' and below)

2. Taxiing and Taxiways.

- 2.1 GMC will coordinate taxiing traffic with Tower. GMC will release taxiing traffic to Tower before entering the taxiway unless coordinated.
- 2.2 Helicopter operations will normally take place on TWYA1. Approval may be given by the Tower to use TWY A2 or the Runway, if traffic conditions permit.
- 2.3 Academies ACFT will normally be cleared to the holding point of the runway in use. For Runway 24, academies ACFT will wait at the holding point for clearance to back track to the loop.

2.3.1 FOR ACADEMIES ACFT, TAKE OFF FROM THE OLD HOLDING POINT OF RWY 24 IS NOT PERMITTED.

If Runway 06 is in use, Academies ACFT can use Taxiway B for holding, lining-up and take-off when requested by the pilot. Take-off from this position for Runway 24 is not permitted.

2.4 ACFT taxiing from parking area will be held before the circle road, and must be warned from circle road traffic.

2.5 Traffic will be permitted to backtrack the runway when traffic conditions permit, however, priority may be given to backtracking ACFT over departing and arriving aircraft in special circumstances. Ex. RJAF operational reasons, Expeditious of IFR traffic, Royal, VIP, Ambulances, etc.

3. Removal of Disabled Aircraft from Runways

Limited equipment available, companies should use IATA pooling arrangement

OJAM AD 2.21 NOISE ABATEMENT PROCEDURE

Aircraft of AUW more than 5700 KGS departing from AMMAN/Marka RWY 24 shall
Climb with take-off thrust to 4000 FT at V2 + 10KT, At 4000 FT QNH reduce to climb thrust and continue at V2 + 10KT.
At 5500, FT QNH accelerates to normal climbing speed.

OJAM AD 2.22 FLIGHT PROCEDURES

Local Flying Regulations: Aircraft landing on RWY 06 taking off RWY 24 are to avoid Royal Palace and Broadcast Station.

OJAM AD 2.23 ADDITIONAL INFORMATION

NIL

| OJAM AD 2.24 CHARTS RELATED TO AN AERODROME | | |
|--|---|-----------------------|
| NR | CHART TYPE | PAGE NR (OJAM) |
| 1 | Aerodrome Chart - ICAO | AD 2-19 |
| 2 | Aerodrome Ground Movement Chart - ICAO | AD 2-23 |
| 3 | Aerodrome Obstacle Chart-ICAO type A Runway 06 | AD 2-25 |
| 4 | Aerodrome Obstacle Chart-ICAO type A Runway 24 | AD 2-25A |
| 5 | Standard Departures Instrument Chart ICAO Runway 24 | AD 2-31 |
| 6 | Standard Departures Instrument Chart ICAO Runway 06 | AD 2-31A |
| 7 | Standard Arrival Instrument Chart – ICAO Runway 24 | AD 2-35 |
| 8 | Standard Arrival Instrument Chart – ICAO Runway 06 | AD 2-35A |
| 9 | Instrument Approach Chart-ICAO ILS/DME RWY 24 | AD 2-37 |
| 10 | Instrument Approach Chart-ICAO VOR/DME Runway 24 | AD 2-37A |
| 11 | Instrument Approach Chart-ICAO NDB/DME Runway 24 | AD 2-37B |