

**F-16C In-Flight Guide**

Intended for simulator use only. Correct at time of creation

***\*UPDATES WILL OCCUR AS NEW WEAPONS ARE RELEASED\* RELEASED: MAR ‘20***

***BEFORE START CHECKLIST***

MAIN PWR………………………………………………………………………………………………………...BAT

FLCS PWR TEST SW……………………………………………..…………………………………….TEST/OFF

MAIN PWR…………………………………………………………………………………….………………….OFF

EPU GEN/LIGHTS……………………………………………………………………………………………….OFF

CANOPY……………………………………………………………………………………………….CLOSE/LOCK

***START CHECKLIST***

JFS START SW……………………………………………………………………………………………...START 2

WHEN ENG 20%

THROTTLE………………………………………………………………………………………………………...IDLE

***AFTER START CHECKLIST***

JFS SWITCH…………………………………………………………………………………………….CHECK OFF

PROBE HEAT SW…………………………………………………………………………………..PROBE HEAT

PROBE HEAT SW…………………………………………………………………………..…………………..TEST

PROBE HEAT SW……………………..………………………………………………………………………...OFF

FIRE/OVERHEAT………………………………………………………………………………………………..TEST

MALF & IND LIGHTS………………………………………………………………………………….……...TEST

AVIONICS SWs……………………………………………………………………………………………ALL 6 ON

MIDS LVT…………………………………………………………………………………………………………….ON

EGI/INS……………………………………………………………………….....................................ALIGN

C&I KNOB……………………………………………………………………………..…………………………..UFC

LDG GEAR ………………………………………………………………………………………..DWN 3 GREEN

SPEEDBRAKE…………………………………………………………….......................................CHECK

ADI (SAI)…………………………………………………………………………………………………….UNCAGE

LHPT SW………………………………………………………………………………………………..….AS REQ’D

RHPT SW…………………………………………………………………………………………………………….ON

FCR SW………………………………………………………………………………………………………………FCR

RDR ALT W………………………………………………………………………………………………….RDR ALT

ENG SEC CTRL……………………………………………………..............................CHECK (SEC/PRI)

FLCS…………………………………………………………………………………………………..CYCLE/CHECK

FLCS BIT……………………………………………………………….........................................BIT/OFF

FUEL QTY……………………………………………………………………………………………...TEST/NORM

DIGITAL B’UP SW………………………………………………………………………………………B’UP/OFF

TRIM/AP DISC…………………………………………………………………………………………………..DISC

TRIM HAT SW……………………………………………………………………………….TEST/NO MOTION

TRIM/AP DISC………………………………………………………………………………………………..NORM

MPO…………………………………………………………………………………………………………………TEST

OXYGEN…………………………………………………………………………………………………………..100%

EPU…………………………………………………………………………………………………………………..TEST

EPU……………………………………………………………………………………………………………………OFF

OXYGEN…………………………………………………………………..............................................ON

IFF……………………………………………………………………………………………………………….ON/SET

EXT LIGHTS…………………………………………………………........................................AS REQ’D

EW/RWR/JMR…………………………………………………………………………………………………….ON

CONFIG…………………………………………………………….............................................CAT I/III

LSR CODE……………………………………………………………………………………………………………SET

BINGO………………………………………………………………...................................................SET

TACAN/ILS…………………………………………………………............................................ON/SET

ALTIMETER………………………………………………………….................................................SET

EGI/INS……………………………………………………………………………………………………………..NAV

NWS…………………………………………………………………....................................................ON

***PRE-TAKE OFF CHECKLIST***

FLAPS………………………………………………………………………………………………………..NORMAL

TRIM NEEDLES…………………………………………………………………………………………..CENTRED

ENGINE CTRL………………………………………………………………………………………………………PRI

SPEEDBRAKE……………………………………………………………………………………………..CLOSED

FUEL PANEL……………………………………………………………………………………………….NORMAL

EJECTION SEAT…………………………………………………………………………………………….ARMED

PROBE HEAT…………………………………………………….....................................................ON

RADAR………………………………………………………………………………………………………………..ON

BRAKES………………………………………………………………………………………………………RELEASE

***AFTER TAKE OFF CHECKLIST***

GEAR………………………………………………………………......................................................UP

LIGHTS………………………………………………………………………………………………………AS REQ’D

PITCH………………………………………………………………………………………………………….15 DEGs

RADAR…………………………………………………………………………………………………………ON/SET

***ABOVE 10000’ CHECKLIST***

FUEL TRANSFER…………………………………………………………………………………………….CHECK

RAD ALT……………………………………………………………………………………………………………..SET

SYSTEMS CHECK……………………………………………………………………………………….PERFORM

***DECENT CHECKLIST***

FUEL……………………………………………………………....................................................CHECK

TACAN/ILS……………………………………………………………………………………………………ON/SET

ALTIMETER……………………………………………………..................................................CHECK

EXT LIGHTS…………………………………………………….............................................AS REQ’D

ANTI-ICE……………………………………………………………………………………………………AS REQ’D

TGP………………………………………………………………...................................................STOW

LDG/TAXI LIGHTS……………………………………………………………………………………….LANDING

***PRE-LANDING CHECKLIST***

SPEED………………………………………………………...............................................200-200KTS

LDG GEAR………………………………………………………………………………………………………..DWN

LDG GEAR LIGHTS……………………………………………............................................3 GREEN

FLT PTH MKR………………………………………………………………………………………..-2.5 – 3DEGs

AOA…………………………………………………………………............................................11 DEGs

SHORT FINAL

FLT PTH MKR………………………………………………………………………………….RWY 500’ POINT

MAX PITCH…………………………………………………………..........................................13 DEGs

AT TOUCHDOWN

SPEEDBRAKE…………………………………………………………………………………………………..OPEN

BRAKES……………………………………………………………................................................APPLY

AT 30KTS

NWS…………………………………………………………………….................................................ON

***AFTER LANDING CHECKLIST***

SPEEDBRAKE………………………………………………………………………………………………….CLOSE

EJECTION SEAT…………………………………………………………………………………………………SAFE

PROBE HEAT………………………………………………………………………………………………………OFF

ECM PWR……………………………………………………………….............................................OFF

EW/RWR/JMR……………………………………………………………………………………………………OFF

IFF MASTER………………………………………………………………………………………………………..SBY

LDG/TAXI LIGHTS……………………………………………………............................................TAXI

ARMAMENT SWs……………………………………………………...................................OFF/SAFE

AVIONICS………………………………………………………………………………………………….ALL 6 OFF

***SHUTDOWN CHECKLIST***

THROTTLE………………………………………………………………………………………………………….OFF

JFS RUN LIGHT………………………………………………………………………………………..CHECK OFF

EPU GEN/PMG LGTS……………………………………………………………………………….CHECK OFF

MAIN PWR……………………………………………………………..............................................OFF

OXYGEN………………………………………………………………................................................OFF

CANOPY………………………………………………………………………………………………………….OPEN

***A-A REFUELING CHECKLIST***

PRE-CONTACT

RADAR……………………………………………………………………………………………………………….SBY

MASTER ARM…………………………………………………………………………………………………..SAFE

LIGHTS………………………………………………………………...............................STEADY BRIGHT

VISOR………………………………………………………………………………………………………………DWN

AIR REFUEL SW……………………………………………………………………………………………….OPEN

RDY LGHT………………………………………………………………................................CHECK BLUE

DURING REFUEL

RDY LGHT……………………………………………………………….............................CHECK GREEN

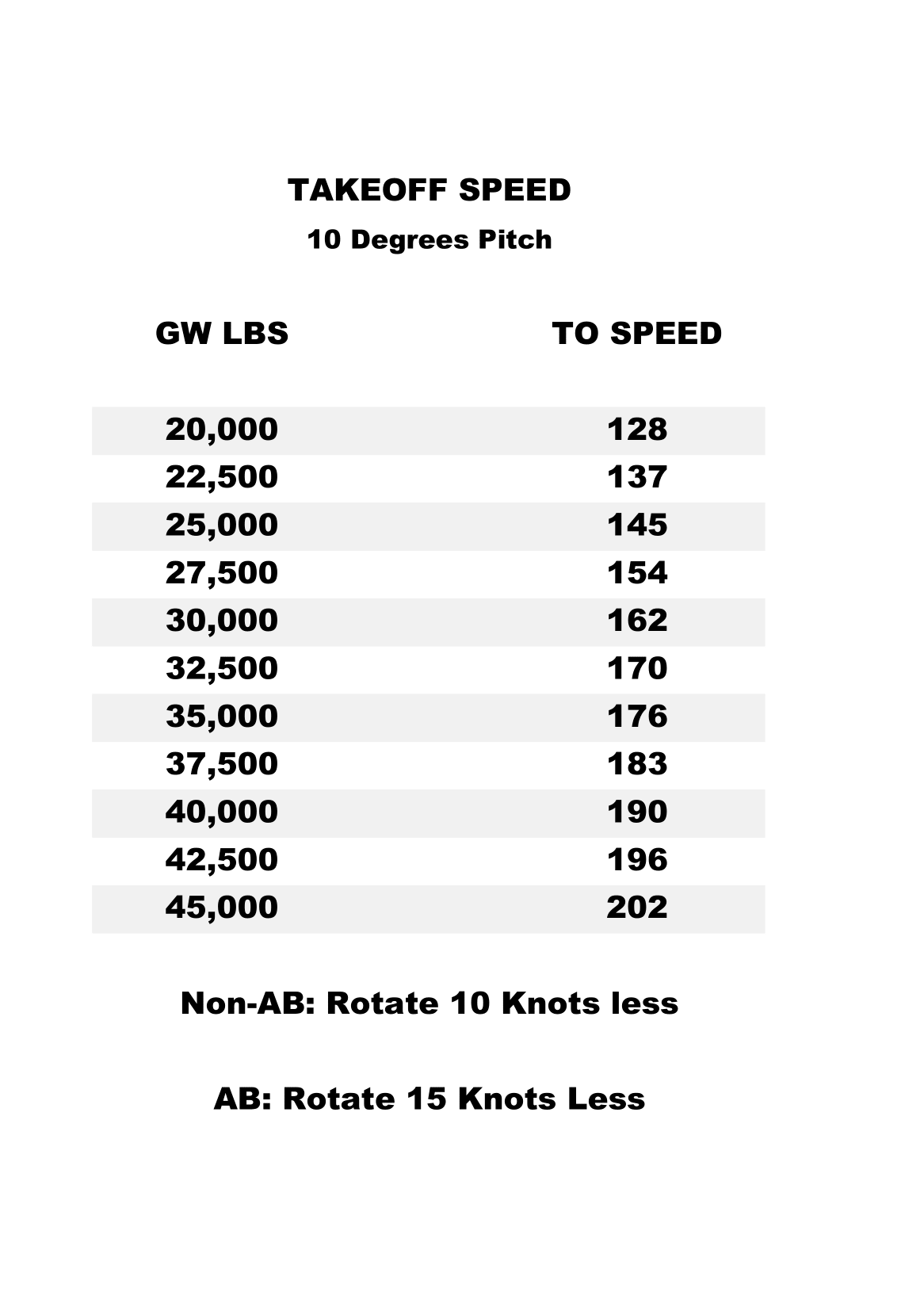
POST REFUEL

AIR REFUEL SW………………………………………………………………………………………………CLOSE

LIGHTS……………………………………………………………….........................................AS REQ’D

RADAR………………………………………………………………………………………………………………..ON

MASTER ARM……………………………………………………………………………………………AS REQ’D



**BOMBING MODES**

***LGB DELIVERY SELF LASE***

HEIGHT……………………………………….….……………………………………………………..>10000feet

SPEED………………………………………………………..………………………………………….…...>400Kts

MASTER ARM………………………………………….………………..………………………………………..ON

TGP POWER SWITCH………………………………………….…………………….……………………..…ON

ALLOW APPROXIMATELY 3 MINUTES TO WARM UP

LASER POWER SWITCH…………………………………………………………..…………………………..ON

TGP CODE…………………………………………………………………………….……………….….AS REQ’D

MODE SWITCH……………………………………………………………………………….….…AIR TO GND

SMS PAGE………………………………………………………………………..……….SELECT REQ’D WPN

QUANTITY/RIPPLE/INTERVAL/FUSING……..………………………………….…..……….AS REQ’D

PROFILE………………………………………………………………………………………………………...PROF1

BOMB MODE………………………………………………………………….………………….……………CCRP

TGP PAGE………………………………………………………………………………….………………...SELECT

TGP SOI.…………………………………………………………………………………………….…...DMS DWN

CAMERA MODE…………………………………………………….…………………...…TV/WHOT/BHOT

AREA/POINT SELECT……………………………………………………….……………………….....TMS UP

TMS DWN WILL BORESIGHT POD

TGP CURSOR..…………………………………………………….……………………...PLACE ON TARGET

USE FOV ZOOM TO CENTRE

BOMB FALL LINE….………………………………………………….……………….CENTRE UP ON HUD

TIME TO GO APPROX 8 SECONDS……………………………………………………………..DEPRESS WPN REL

TIME TO IMPACT APPROX 15 SECONDS…………..…………………….............................LASE TARGET

**L** ON TGP PAGE FLASHING

***LGB DELIVERY BUDDY/JTAC LASE***

HEIGHT…………………………….……………………………………………………..>10000feet

SPEED………………………………………….………………………………………….…...>400Kts

MASTER ARM………………………………………….…………………………………………..ON

TGP POWER SWITCH………………………………………….……………………………..…ON

ALLOW APPROXIMATELY 3 MINUTES TO WARM UP

LASER POWER SWITCH…………………………………………….…………………………..ON

LASER CODE……………………………………………………………….…………..AS BRIEFED

MODE SWITCH…………………………………………………………………….…AIR TO GND

SMS PAGE………………………………………………………….……….SELECT REQ’D WPN

QUANTITY/RIPPLE/INTERVAL/FUSING..……………………………..……….AS REQ’D

PROFILE……………………………………………………………………………………………………...PROF1

BOMB MODE………………………………………………………………….…………………CCRP

BOMB FALL LINE….………………………………………………….…CENTRE UP ON HUD

TIME TO GO APPROX 8 SECONDS……………………………………………….DEPRESS WPN REL

TIME TO IMPACT APPROX 15 SECONDS…………..……………………...............LASE TARGET

**L** ON TGP PAGE FLASHING

***LOW DRAG “DUMB” BOMB***

HEIGHT……………….……………………………………………………………………..AS REQ’D

SPEED…………………….…………………………………………………………………….>400Kts

MASTER ARM…………………………………………………………….………………………..ON

MODE SWITCH……………………………………………………………………….AIR TO GND

BOMB MODE……………………………………………………………………………………..CCIP

SMS PAGE…………………………………………………………………..SELECT REQ’D WPN

QUANTITY/RIPPLE/INTERVAL/FUSING………………..……………….…….AS REQ’D

PROFILE………….……………………………………………………………………………...PROF1

DIVE ANGLE……………………………………………………………..APPROX 20 DEGREES

BOMB FALL LINE….………………………………………………….…CENTRE UP ON TGT

DELAY CUE.………………………………………………………OFF HUD, PIPPER VISABLE

BOMB PIPPER………………………………………………………………...PLACE OVER TGT

WPN RELEASE………………………………………………………………………………….PRESS

***HIGH DRAG BOMB DELIVERY***

HEIGHT……………….……………………………………………………………………..AS REQ’D

SPEED…………………….…………………………………………………………………….>400Kts

MASTER ARM…………………………………………………………….………………………..ON

MODE SWITCH……………………………………………………………………….AIR TO GND

BOMB MODE……………………………………………………………………………………..CCIP

SMS PAGE…………………………………………………………………..SELECT REQ’D WPN

QUANTITY/RIPPLE/INTERVAL/FUSING…….…………..……………….…….AS REQ’D

PROFILE……………………………………………….………………………………………...PROF2

DIVE ANGLE……………………………………………………………..APPROX 20 DEGREES

BOMB FALL LINE….………………………………………………….…CENTRE UP ON TGT

DELAY CUE.………………………………………………………OFF HUD, PIPPER VISABLE

BOMB PIPPER.……………………………………………………...PLACE OVER TGT AREA

WPN RELEASE………………………………………………………………………………….PRESS

***CBU DELIVERY***

HEIGHT……………….……………………………………………………………………..AS REQ’D

SPEED…………………….…………………………………………………………………….>400Kts

MASTER ARM…………………………………………………………….………………………..ON

MODE SWITCH……………………………………………………………………….AIR TO GND

BOMB MODE……………………………………………………………………………………..CCIP

SMS PAGE…………………………………………………………………..SELECT REQ’D WPN

QUANTITY/RIPPLE/INTERVAL/FUSING…….…………..……………….…….AS REQ’D

PROFILE……………………………………………….………………………………………...PROF1

DIVE ANGLE……………………………………………………………..APPROX 20 DEGREES

BOMB FALL LINE….………………………………………………….…CENTRE UP ON TGT

DELAY CUE.………………………………………………………OFF HUD, PIPPER VISABLE

BOMB PIPPER.……………………………………………………...PLACE OVER TGT AREA

WPN RELEASE………………………………………………………………………………….PRESS

***2.75” ROCKET DELIVERY***

HEIGHT……………….……………………………………………………………………..AS REQ’D

SPEED…………………….…………………………………………………………………….>400Kts

MASTER ARM…………………………………………………………….………………………..ON

MODE SWITCH……………………………………………………………………….AIR TO GND

BOMB MODE……………………………………………………………………………………..CCIP

SMS PAGE…………………………………………………………………..SELECT REQ’D WPN

QUANTITY/RIPPLE/INTERVAL/FUSING…….…………..……………….…….AS REQ’D

PROFILE……………………………………………….………………………………………...PROF1

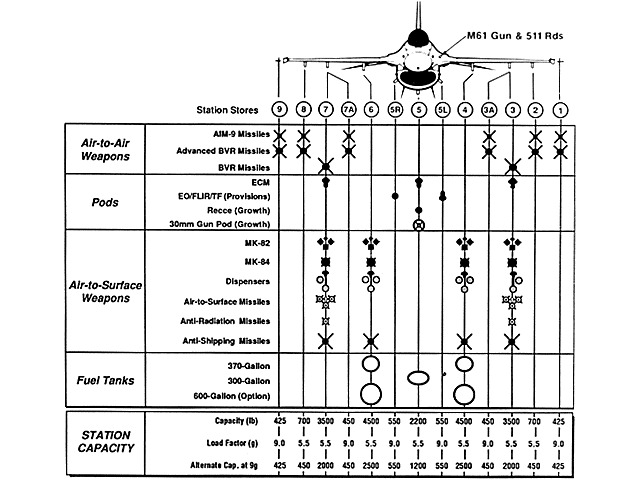
BOMB PIPPER.……………………………………………………...PLACE OVER TGT AREA

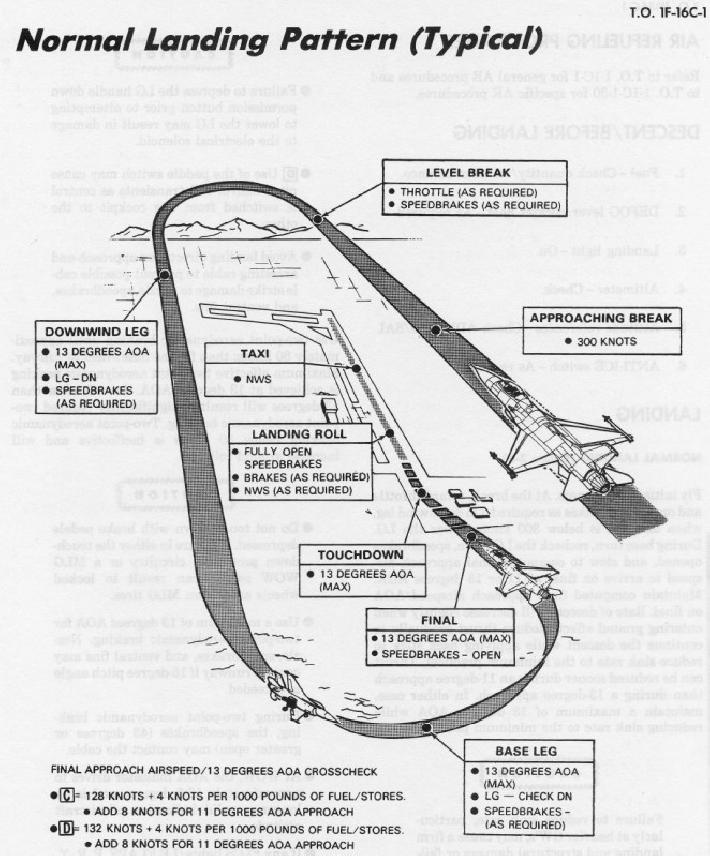
WPN RELEASE………………………………………………………………….PRESS AS REQ’D

***COUNTERMEASURE PROGRAMS***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PROG** | **CHAFF** | **FLARE** | **INTERVAL** | **CYCLE** |
| **1** | 1 | 1 | 1.0 | 10 |
| **2** | 1 | 1 | 0.5 | 10 |
| **3** | 2 | 2 | 1.0 | 5 |
| **4** | 2 | 2 | 0.5 | 10 |
| **PANIC** | 1 | 1 | 1.0 | 2 |
| **BYPASS** | 2 | 2 | 0.75 | 20 |

***F-16C\_BL50 HARDPOINTS***





***AIR TRAFFIC CONTROL INFORMATION***

***NTTR***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **AIRPORT** | **RWY+LENGTH** | **ATC** | **TAC** | **ILS1** | **ILS2** |
| **Jean** | **02L/20R 4600** | **122.9** |  |  |  |
| **Echo Bay** | **06/24 3400** | **122.8** |  |  |  |
| **Lincoln County** | **17/35 4606** | **122.8** |  |  |  |
| **Basecamp AEC** | **03/21 7465** | **123.0** |  |  |  |
| **Boulder City** | **09/27 4803** | **122.7** | **114X** |  |  |
| **Henderson Executive** | **17R/35L 6501** | **125.1** |  |  |  |
| **Laughlin Bullhead Intl** | **16/34 7500** | **123.9/250.0** |  |  |  |
| **McCarran Intl** | **09L/27R 14512** | **119.9/257.8** | **116X** | **RWY27R-111.75** | **RWY27L-110.3** |
| **Nellis AFB** | **03L/21R 10120** | **132.55/327.0** | **12X** | **RWY 03-109.1** |  |
| **Tonopah Test Range** | **16/34 12001** | **124.75/257.95** | **77X** | **RWY 16-108.3** | **RWY 34-111.7** |
| **Tonopah Municipal** | **15/33 7158** | **123.0** | **119X** |  |  |
| **North Las Vegas** | **13L/31R 4203** | **125.7360.75** |  | **RWY13-110.7** |  |
| **Area 51 Groom Lake** | **15L/33R 11960** | **120.1/250.05** | **18X** | **RWY33-109.3** |  |
| **Pahute Mesa** | **18/36 5800** | **122.8** | **90X** |  |  |
| **Alamo Landing Fld Arpt** | **14/32 4360** | **122.9** |  |  |  |
| **Yucca Airstrip** | **14/32 9000** | **122.8** |  |  |  |
| **Desert Rock Airport** | **02/20 7515** | **122.8** |  |  |  |
| **Beatty** | **16/34 5515** | **122.9** | **94X** |  |  |
| **Creech AFB** | **08/26 9002** | **118.3/360.6** | **24X** | **RWY 08-108.7** | **RWY 26-108.5** |
| **Mesquite** | **01/19 5121** | **122.8** |  |  |  |
| **Mina** | **14/32 4600** | **122.9** |  |  |  |

***CAUCUSUS***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Airport** | **RWY+Length** | **ATC** | **TACAN** | **ILS1** | **ILS2** |
| **Gudauta** | **15/33 8200'** | **130.00/259.0** |  |  |  |
| **Soganlug** | **15/33 8200'** | **139.00/268.0** |  |  |  |
| **Vaziani** | **14/32 8200'** | **140.00/269.0** | **22X** | **RWY 14-108.75** | **RWY 32-108.9** |
| **Kobuleti** | **07/25 7800'** | **133.00/262.0** | **67X** | **RWY 07-111.5** |  |
| **Kutaisi** | **08/26 8200'** | **134.00263.0** | **44X** | **RWY 08 109.75** |  |
| **Senaki** | **09/27 7800'** | **132.00/261.0** | **31X** | **RWY 09-108.9** |  |
| **Batumi** | **13/31 7800'** | **131.00/260.0** | **16X** | **RWY 13-110.3** |  |
| **Sukhumi** | **12/30 8200'** | **129.00/258.0** |  |  |  |
| **Tbilisi Lochini** | **13/31 9800'** | **138.00/267.0** | **25X** | **RWY 13-110.3** | **RWY 31-108.9** |
| **Anapa** | **04/22 9500'** | **121.00/250.0** |  |  |  |
| **Gelendzhik** | **04/22 5900'** | **126.00255.0** |  |  |  |
| **Maykop** | **04/22 10500'** | **125.00/254.0** |  |  |  |
| **Krasnodar Center** | **09/27 8200'** | **122.00/251.0** |  |  |  |
| **Krasnodar Pashkovsky** | **05/23 10100'** | **128.00/257.0** |  |  |  |
| **Novorossiysk** | **04/22 5800'** | **123.00/252.0** |  |  |  |
| **Krymsk** | **04/22 8500'** | **124.00/253.0** |  |  |  |
| **Mineralnye Vody** | **12/30 12700'** | **135.00/264.0** |  | **RWY 12-111.7** | **RWY 30-109.3** |
| **Nalchik** | **06/24 7500'** | **136.00/265.0** |  | **RWY 24-110.5** |  |
| **Beslan** | **10/28 9800'** | **141.00/270.0** |  | **RWY 10-110.5** |  |
| **Sochi Adler** | **06/24 10100'** | **127.00/256.0** |  | **RWY 06-111.1** |  |
| **Mozdok** | **08/26 10100'** | **137.00/266.0** |  |  |  |

***PERSIAN GULF***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Airport** | **RWY+Length** | **ATC** | **TAC** | **ILS1** | **ILS2** |
| **Abu Dhabi Intl** | **13R/31L 13452’** | **119.2/250.5** |  |  |  |
| **Al Ain Intl** | **01/19 13123’** | **119.85/250.65** |  |  |  |
| **Al Bateen** | **13/31 10505’** | **119.9/250.55** |  |  |  |
| **Al Dhafra AB** | **13R/31L 12012’** | **126.8/250.9** |  |  |  |
| **Al Maktoum** | **13/30 14764’** | **118.65/251.0** |  | **RWY12-111.75** | **RWY30-109.75** |
| **Al Minhad AB** | **09/27 12970’** | **121.8/250.1** | **99X** | **RWY09-110.7** | **RWY27-110.75** |
| **Dubai Intl** | **12R/30L 14590’**  **12L/30R 13123’** | **118.75/250.95** |  | **RWY12R-110.1**  **RWY12L-109.5** | **RWY30L-110.3**  **RWY30R-110.9** |
| **Fujarah Intl** | **11/29 12300’** | **124.6/251.05** | **85X** | **RWY29-111.1** |  |
| **Sas Al Nakhl** |  | **128.9/250.45** |  |  |  |
| **Sharjah Intl** | **12/30 13330’** | **118.6/250.2** | **70X** | **RWY12-108.55** | **RWY-30-111.95** |
| **Sir Abu Nuayr** |  | **119.2/250.5** |  |  |  |
| **Khasab** | **01/19 8202’** | **124.35/250.0** | **84X** | **RWY19-110.3** |  |
| **Abu Musa Intl** | **05/13 9856’** | **112.9/250.4** |  |  |  |
| **Bandar Abbas** | **03R/21L 12031’**  **03L/21R 11371’** | **118.1/250.8** |  | **RWY21-109.9** |  |
| **Bandar Lengeh** | **08/26 8202’** | **121.7/250.85** |  |  |  |
| **Bandar-e-Jask** | **06/24 5922’** |  |  |  |  |
| **Havadarya** | **08/26 8530’** | **123.5/251.1** | **47X** | **RWY08-108.9** |  |
| **Jiroft Airport** | **03/31 7237’** | **136.001/250.75** |  |  |  |
| **Kerman Airport** | **16/34 12616’**  **05/23 6654’** | **122.5/250.3** | **97X** |  |  |
| **Kish Intl Airport** | **09R/27L 12028’**  **09L/27R 12005’** | **121.65/250.6** | **112X** |  |  |
| **Lar Airbase** | **09/27 10335’** | **121.9/250.05** |  | **RWY09-111.5** |  |
| **Lavan Island** | **11/29 8835’** | **128.55/250.7** |  |  |  |
| **Qeshem Island** | **05/23 13861’** | **118.05/250.15** |  |  |  |
| **Shiraz Intl** | **11L/29R 14317’**  **11R/29L 14052’** | **121.9/250.35** | **94X** | **RWY29-109.9** |  |
| **Sirri Island** | **12/30 8375’** | **135.05/250.25** |  |  |  |
| **Tunb Island AFB** |  |  |  |  |  |
| **Tunb Kochak** | **15/33 9190’** |  | **89X** |  |  |