

| ACT | PROCEDURE IDENT | INDEX | REV DATE | EFF DATE |
|-----|-----------------|-------|----------|----------|
|-----|-----------------|-------|----------|----------|

**No revision activity since Disc 11-2011**

## **TERMINAL CHART NOTAMs**

**No Chart NOTAMs for Airport UTSS**

**UTSS (Samarkand)****General Info**

Samarkand, UZB

N 39° 42.0' E 66° 59.0' Mag Var: 4.3°E

Elevation: 2225'

Public, IFR, Control Tower, Customs

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+5:00 no DST

**Runway Info**

Runway 09-27 10187' x 161' concrete

Runway 09 (91.0°M) TDZE 2179'

Lights: Edge, ALS

Runway 27 (271.0°M) TDZE 2222'

Lights: Edge, ALS

Displaced Threshold Distance 787'

**Communications Info**ATIS **127.8** Non-EnglishSamarkand Tower **121.8** Secondary VHF-DFSamarkand Tower **118.7** VHF-DFSamarkand Approach Control **123.7** SecondarySamarkand Approach Control **120.8****Notebook Info**

# UTSS/SKD SAMARKAND

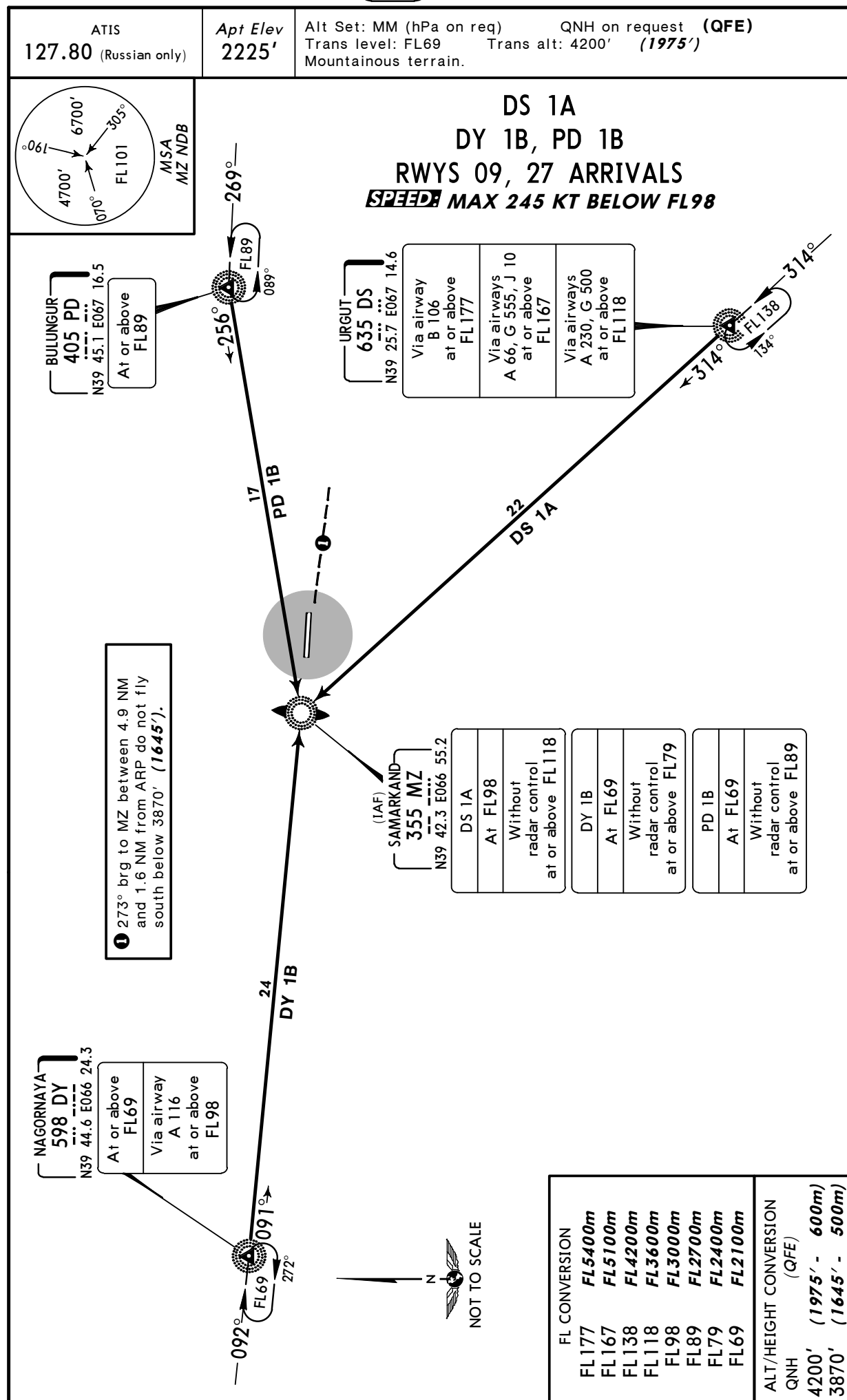
26 MAR 10

10-2

Eff 8 Apr

# SAMARKAND, UZBEKISTAN

STAR

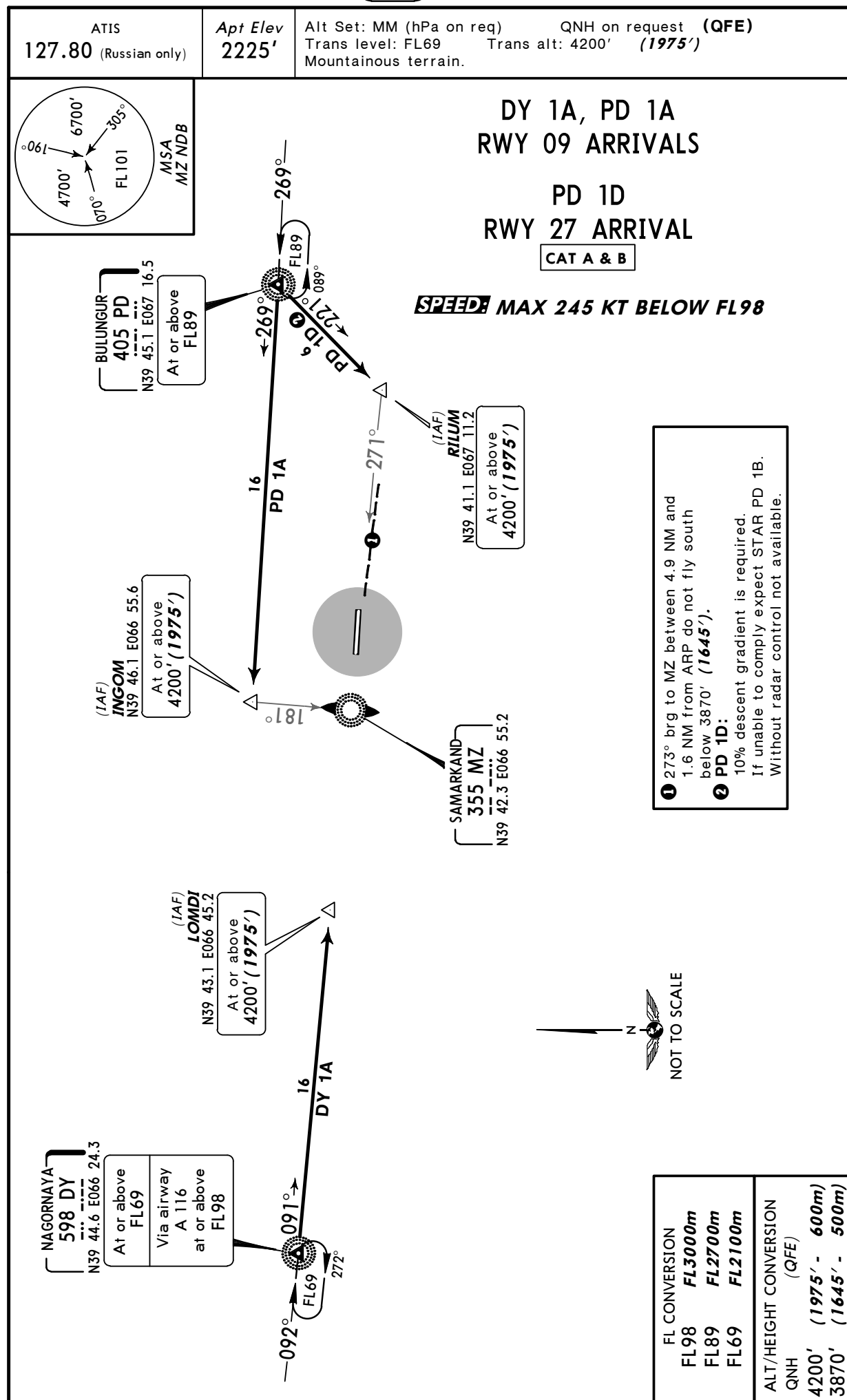


# UTSS/SKD SAMARKAND

26 MAR 10 **10-2A** Eff 8 Apr

# SAMARKAND, UZBEKISTAN

**STAR**



UTSS/SKD  
SAMARKAND

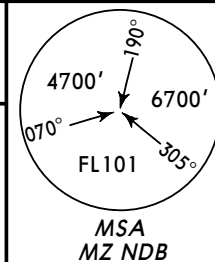
**JEPPESSEN**  
26 MAR 10 **10-3** **Eff 8 Apr**

**SAMARKAND, UZBEKISTAN**

**SID**

Apt Elev  
**2225'**

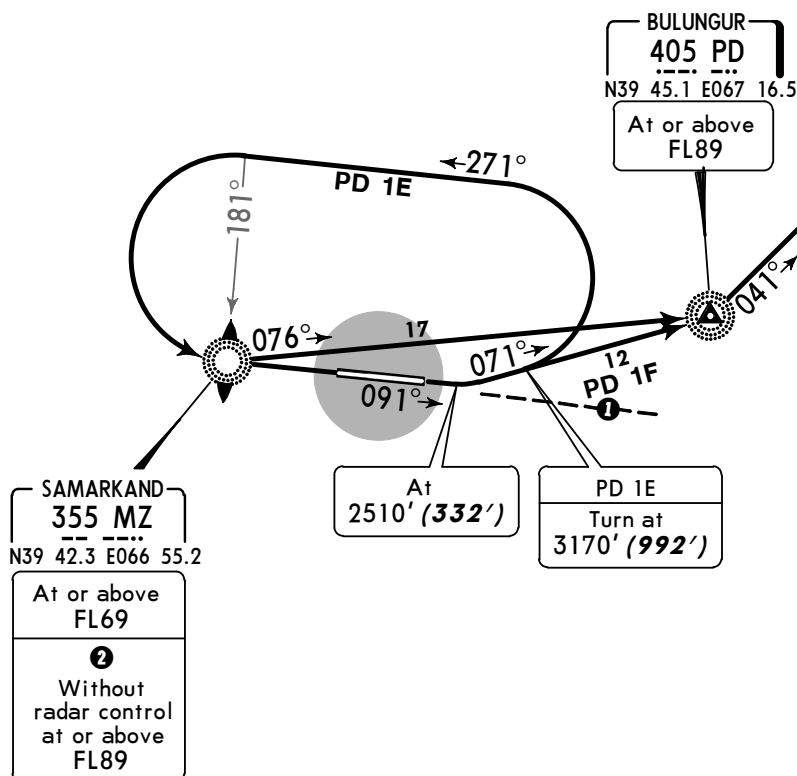
QNH on request **(QFE)**  
Trans level: FL69 Trans alt: 4200' **(2022')**  
Mountainous terrain.



**BULUNGUR ONE ECHO (PD 1E)**  
**BULUNGUR ONE FOXTROT (PD 1F)**  
**RWY 09 DEPARTURES**  
**TO EAST**  
**~~SPEED~~ MAX 245 KT BELOW FL98**

- 093° brg from MZ between 1.6 NM and 4.9 NM from ARP do not fly south below 3820' **(1642')**.
- Use racetrack pattern to climb to assigned FL.

**TITAR**  
N40 07.8 E067 46.3  
At or above  
FL89



**PD 1F**  
This SID requires a minimum climb gradient of 504' per NM (8.3%).

|              |     |     |      |      |      |      |
|--------------|-----|-----|------|------|------|------|
| Gnd speed-KT | 75  | 100 | 150  | 200  | 250  | 300  |
| 504' per NM  | 630 | 841 | 1261 | 1681 | 2101 | 2522 |

If unable to comply expect SID PD 1E.

| ALT/HEIGHT CONVERSION |                       |
|-----------------------|-----------------------|
| QNH                   | (QFE)                 |
| 2510'                 | <b>(332' - 100m)</b>  |
| 3170'                 | <b>(992' - 300m)</b>  |
| 3820'                 | <b>(1642' - 500m)</b> |
| 4200'                 | <b>(2022' - 600m)</b> |

| FL CONVERSION |                |
|---------------|----------------|
| FL69          | <b>FL2100m</b> |
| FL89          | <b>FL2700m</b> |
| FL98          | <b>FL3000m</b> |

**INITIAL CLIMB**

Climb on 091° track to 2510' **(332')**, turn LEFT.

| SID   | ROUTING                                                                                                                                                            |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PD 1E | 071° track, at 3170' <b>(992')</b> turn LEFT, 271° track, climbing to assigned FL, when passing 181° bearing to MZ turn LEFT to MZ, turn LEFT, 076° bearing to PD. |
| PD 1F | Intercept 071° bearing to PD, climbing to assigned FL.                                                                                                             |

UTSS/SKD  
 SAMARKAND

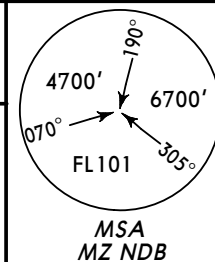
**JEPPESSEN**  
 26 MAR 10 **(10-3A)** **Eff 8 Apr**

**SAMARKAND, UZBEKISTAN**

**SID**

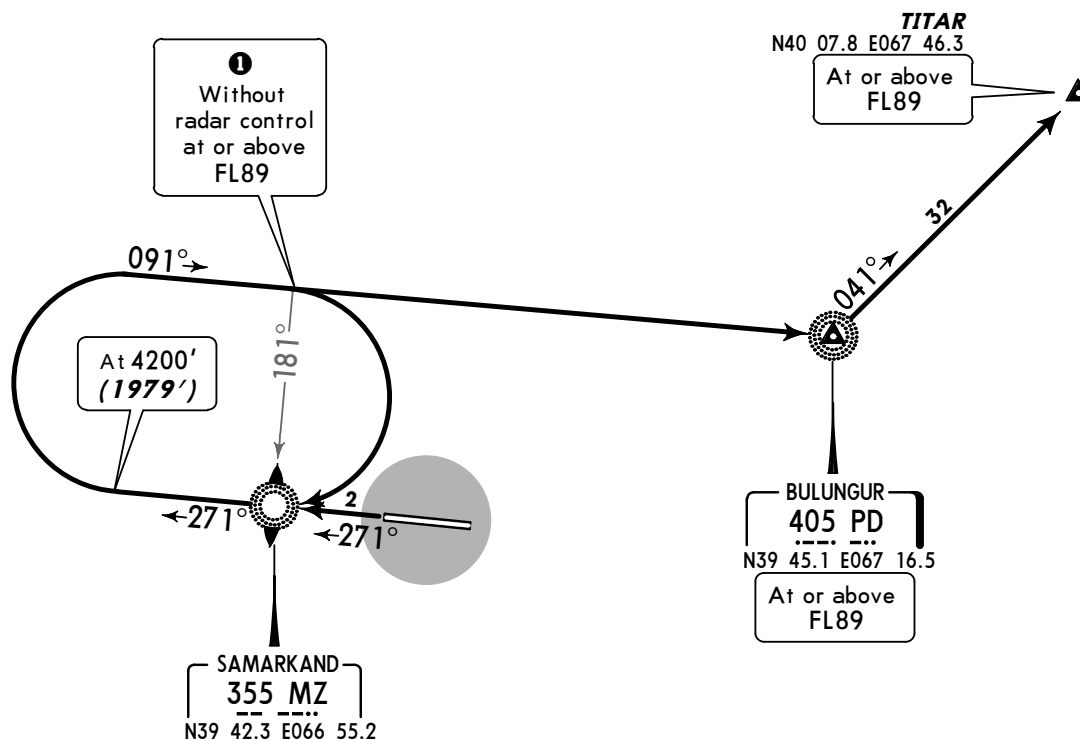
Apt Elev  
 2225'

QNH on request **(QFE)**  
 Trans level: FL69 Trans alt: 4200' **(1979')**  
 Mountainous terrain.



**BULUNGUR ONE GOLF (PD 1G)**  
**RWY 27 DEPARTURE**  
 TO EAST  
**~~SPEED~~ MAX 245 KT BELOW FL98**

**1** Use racetrack pattern  
 to climb to assigned FL.



| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 4200'                 | (1979' - 600m) |
| FL CONVERSION         |                |
| FL69                  | <b>FL2100m</b> |
| FL89                  | <b>FL2700m</b> |
| FL98                  | <b>FL3000m</b> |

**INITIAL CLIMB/ROUTING**

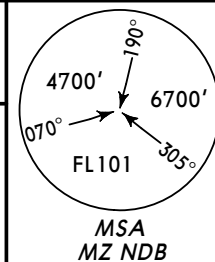
Climb on 271° track to 4200' **(1979')**, turn RIGHT, intercept 091° bearing to PD, climbing to assigned FL.

UTSS/SKD  
 SAMARKAND

**JEPPESEN** **SAMARKAND, UZBEKISTAN**  
 25 FEB 11 **(10-3B)** **Eff 10 Mar**

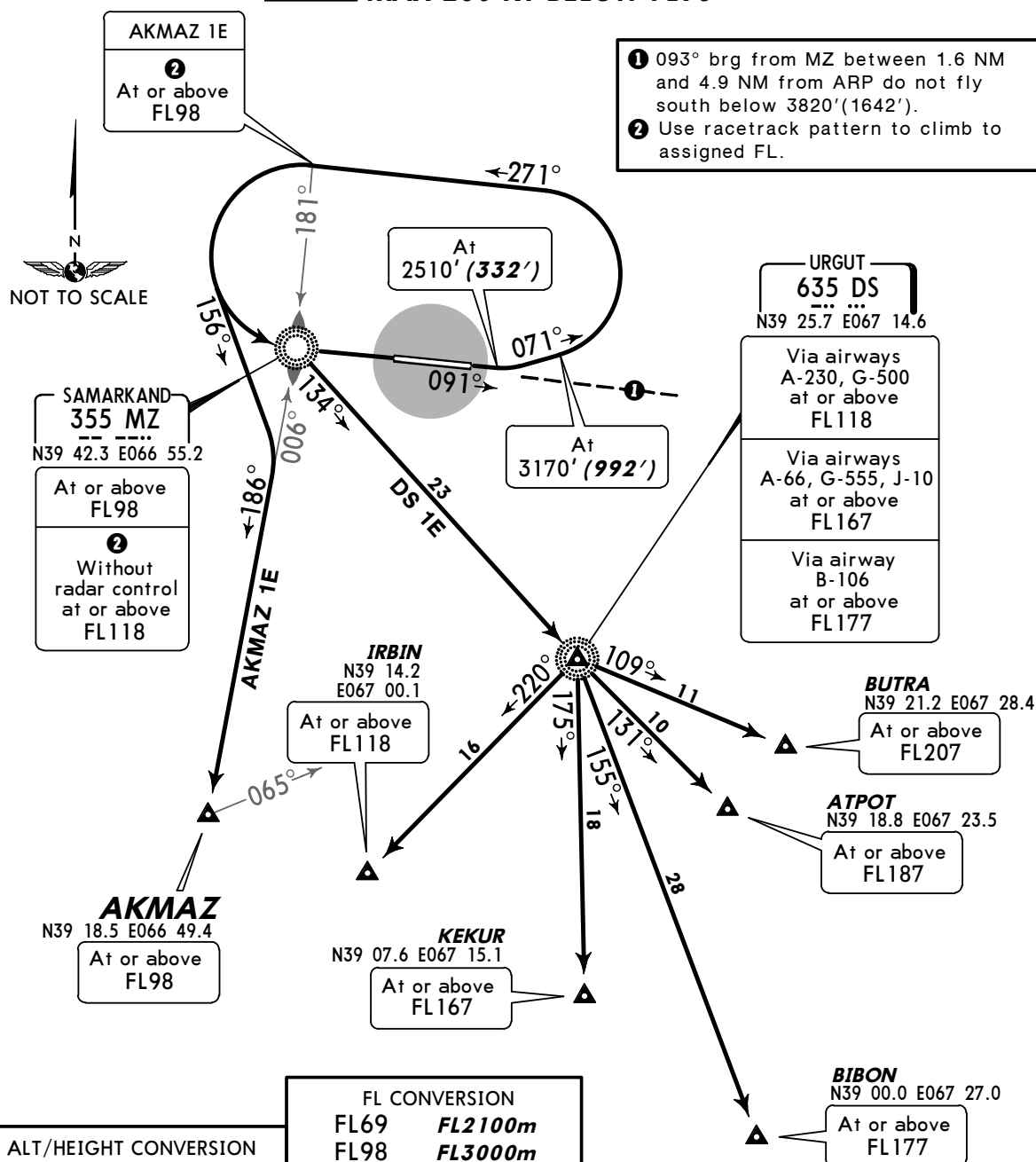
**SID**

**Apt Elev** **2225'** QNH on request **(QFE)**  
 Trans level: FL69 Trans alt: 4200' **(2022')**  
 Mountainous terrain.



**AKMAZ ONE ECHO (AKMAZ 1E) [AKMA1E]**  
**URGUT ONE ECHO (DS 1E)**  
**RWY 09 DEPARTURES**  
**TO SOUTH**

**~~SPEED~~ MAX 250 KT BELOW FL98**



- 093° brg from MZ between 1.6 NM and 4.9 NM from ARP do not fly south below 3820'(1642').
- Use racetrack pattern to climb to assigned FL.

| ALT/HEIGHT | CONVERSION     |
|------------|----------------|
| QNH        | (QFE)          |
| 2510'      | (332' - 100m)  |
| 3170'      | (992' - 300m)  |
| 3820'      | (1642' - 500m) |
| 4200'      | (2022' - 600m) |

| FL CONVERSION |         |
|---------------|---------|
| FL69          | FL2100m |
| FL98          | FL3000m |
| FL118         | FL3600m |
| FL167         | FL5100m |
| FL177         | FL5400m |
| FL187         | FL5700m |
| FL207         | FL6300m |

**INITIAL CLIMB**

Climb on 091° track to 2510'(332'), turn LEFT, 071° track, at 3170'(992') turn LEFT, 271° track, climbing to assigned FL.

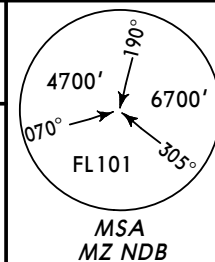
| SID             | ROUTING                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------|
| <b>AKMAZ 1E</b> | When passing 181° bearing to MZ turn LEFT, 156° track, turn RIGHT, intercept 186° bearing from MZ to AKMAZ. |
| <b>DS 1E</b>    | When passing 181° bearing to MZ turn LEFT to MZ, turn RIGHT, 134° bearing to DS.                            |

UTSS/SKD  
SAMARKAND

**JEPPESSEN** SAMARKAND, UZBEKISTAN  
25 FEB 11 **10-3C** Eff 10 Mar

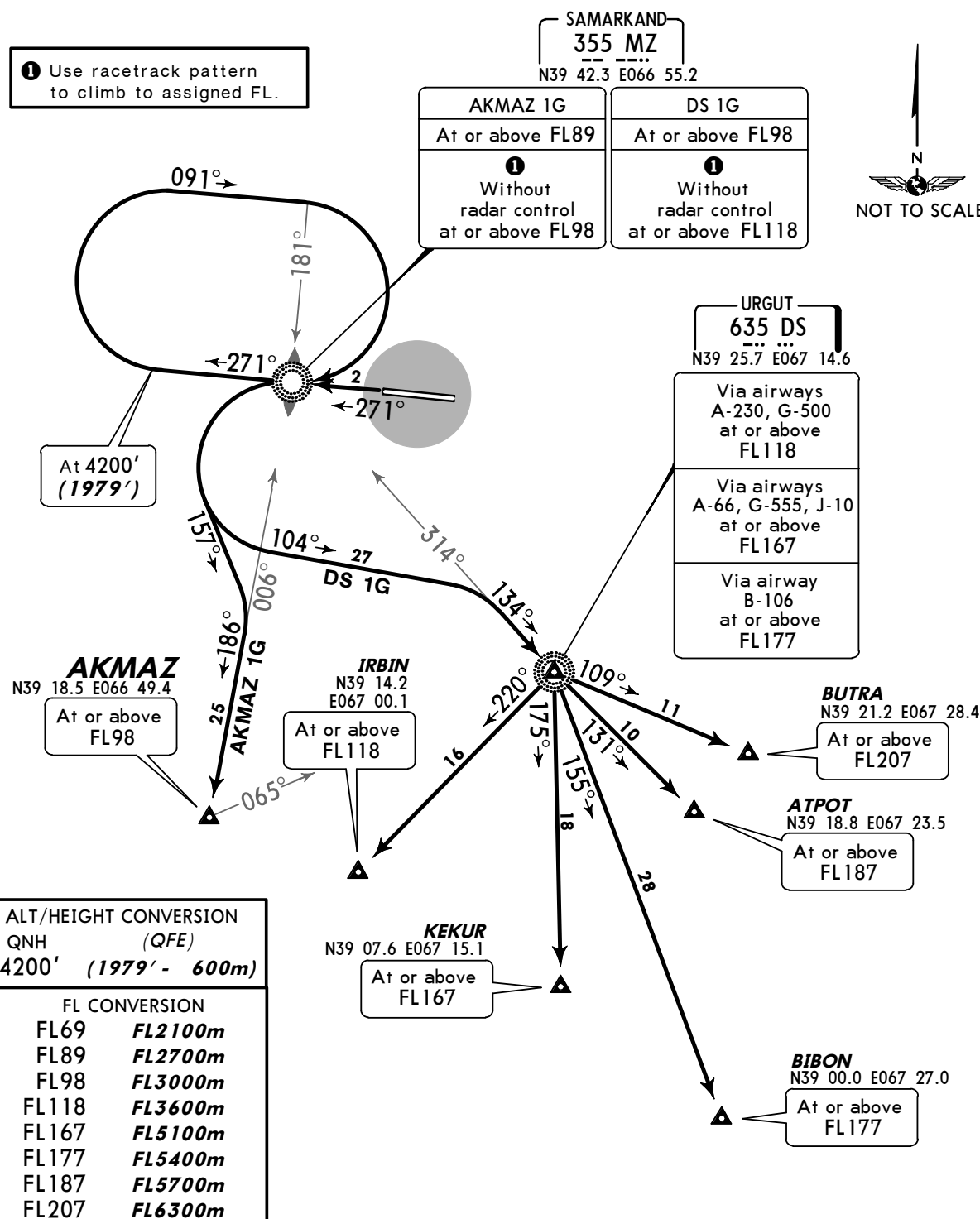
**SID**

Apt Elev **2225'**  
QNH on request **(QFE)**  
Trans level: FL69 Trans alt: 4200' **(1979')**  
Mountainous terrain.



**AKMAZ ONE GOLF (AKMAZ 1G) [AKMA1G]  
URGUT ONE GOLF (DS 1G)  
RWY 27 DEPARTURES  
TO SOUTH  
~~SPEED~~ MAX 250 KT BELOW FL98**

**1** Use racetrack pattern to climb to assigned FL.



**INITIAL CLIMB**

Climb on 271° track to 4200'(1979'), turn RIGHT, 091° track, climbing to assigned FL, when passing 181° bearing to MZ turn RIGHT to MZ, turn LEFT.

| SID      | ROUTING                                                          |
|----------|------------------------------------------------------------------|
| AKMAZ 1G | 157° track, turn RIGHT, intercept 186° bearing from MZ to AKMAZ. |
| DS 1G    | 104° track, turn RIGHT, intercept 134° bearing from MZ to DS.    |

# UTSS/SKD SAMARKAND

**JEPPESSEN**  
 26 MAR 10 **10-3D** **Eff 8 Apr**

# SAMARKAND, UZBEKISTAN

**SID**

Apt Elev  
**2225'**

QNH on request **(QFE)**  
 Mountainous terrain.

Trans level: FL69

Trans alt: 4200' **(2022')**

**KULIL ONE ECHO (KULIL 1E) [KULI1E]**

**NAGORNAYA ONE ECHO (DY 1E)**

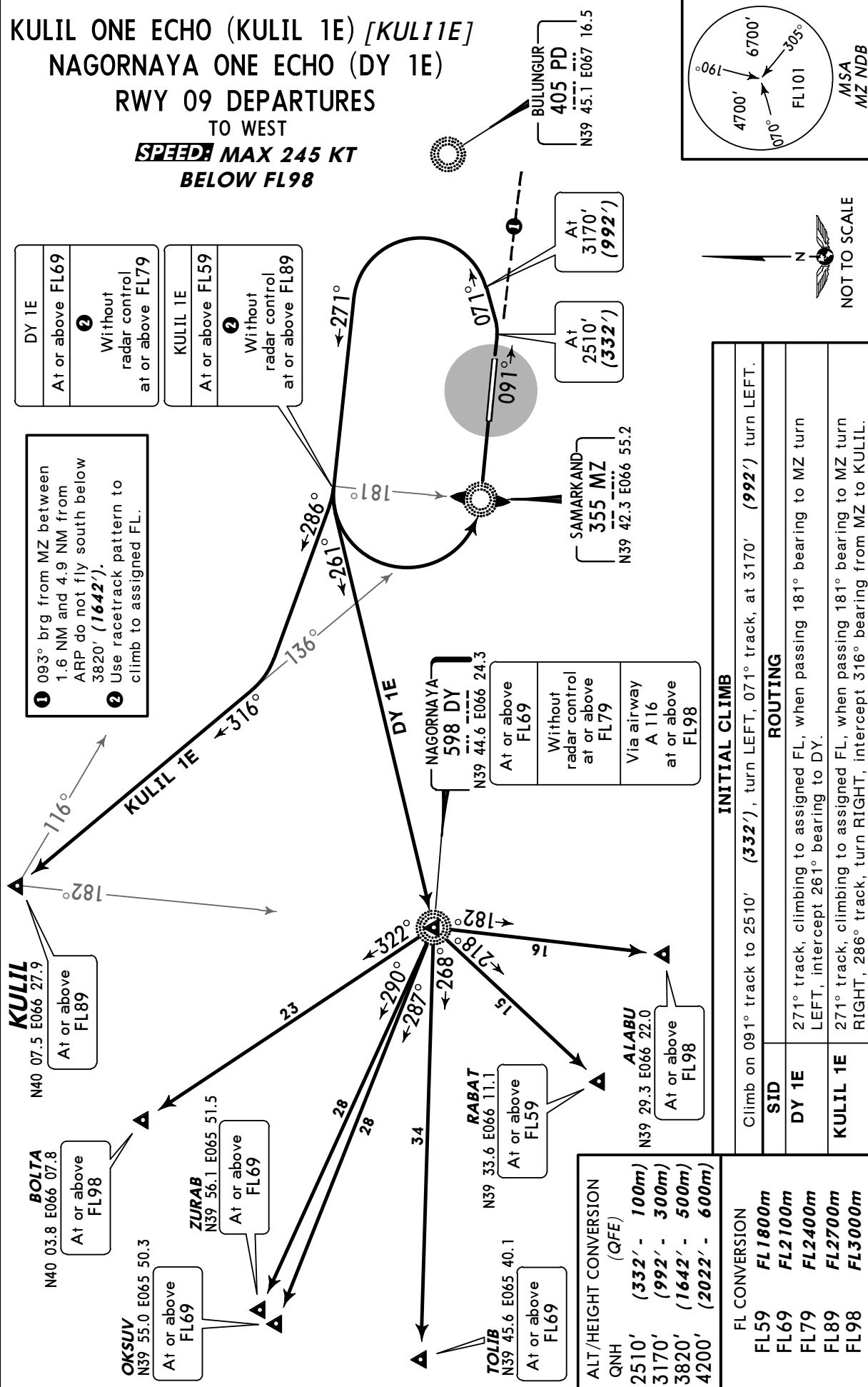
**RWY 09 DEPARTURES**

**TO WEST**

**SPEED MAX 245 KT**  
**BELOW FL98**

|                                        |                  |
|----------------------------------------|------------------|
| DY 1E                                  | At or above FL69 |
| Without radar control at or above FL79 |                  |
| KULIL 1E                               | At or above FL59 |
| Without radar control at or above FL89 |                  |

- 093° brg from MZ between 1.6 NM and 4.9 NM from ARP do not fly south below 3820' **(1642')**.
- Use racetrack pattern to climb to assigned FL.



**UTSS/SKD**  
**SAMARKAND**

**JEPPESSEN** **SAMARKAND, UZBEKISTAN**  
26 MAR 10 **10-3E** **Eff 8 Apr**

**SID**

**Apt Elev**  
**2225'**

QNH on request **(QFE)**  
Mountainous terrain.

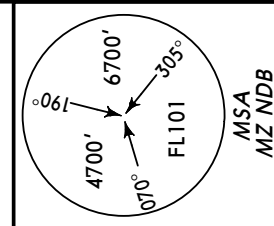
Trans level: FL69

Trans alt: 4200' **(1979')**

**KULIL ONE GOLF (KULIL 1G) [KULI1G]**  
**NAGORNAYA ONE GOLF (DY 1G)**  
**RWY 27 DEPARTURES**  
TO WEST

**SPEEDS** MAX 245 KT BELOW FL98

**BULUNGUR**  
405 PD  
N39 45.1 E067 16.5



| ALT/HEIGHT CONVERSION |
|-----------------------|
| QNH (QFE)             |
| 4200' (1979' - 600m)  |

| FL CONVERSION |
|---------------|
| FL59 FL1800m  |
| FL69 FL2100m  |
| FL79 FL2400m  |
| FL89 FL2700m  |
| FL98 FL3000m  |

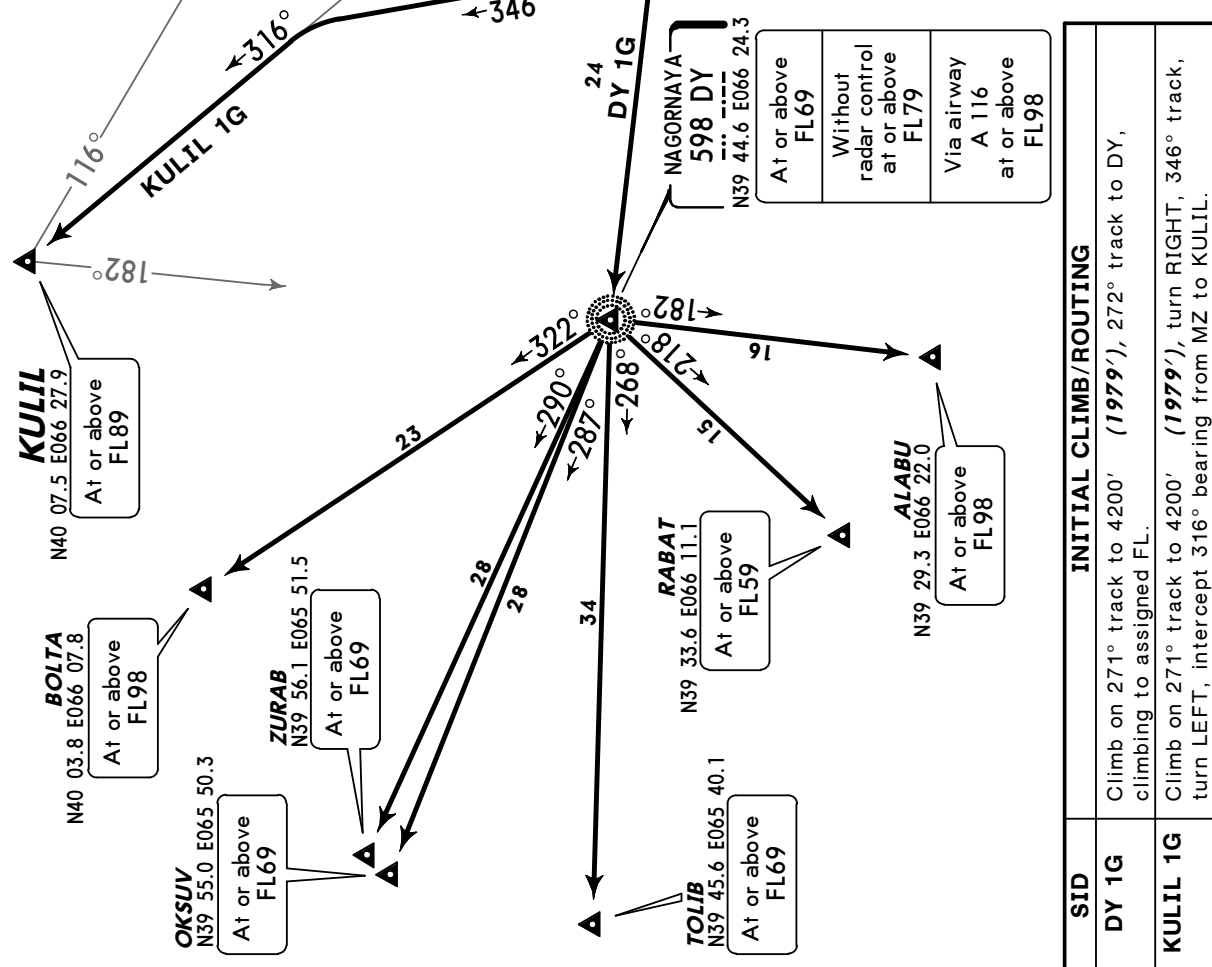
**1** Use racetrack pattern to climb to assigned FL.



**SAMARKAND**  
355 MZ  
N39 42.3 E066 55.2

|                                                 |
|-------------------------------------------------|
| <b>KULIL 1G</b>                                 |
| <b>1</b> Without radar control at or above FL89 |

|                                                 |
|-------------------------------------------------|
| <b>DY 1G</b>                                    |
| <b>1</b> Without radar control at or above FL79 |



**UTSS/SKD**

Apt Elev **2225'**  
N39 42.0 E066 59.0



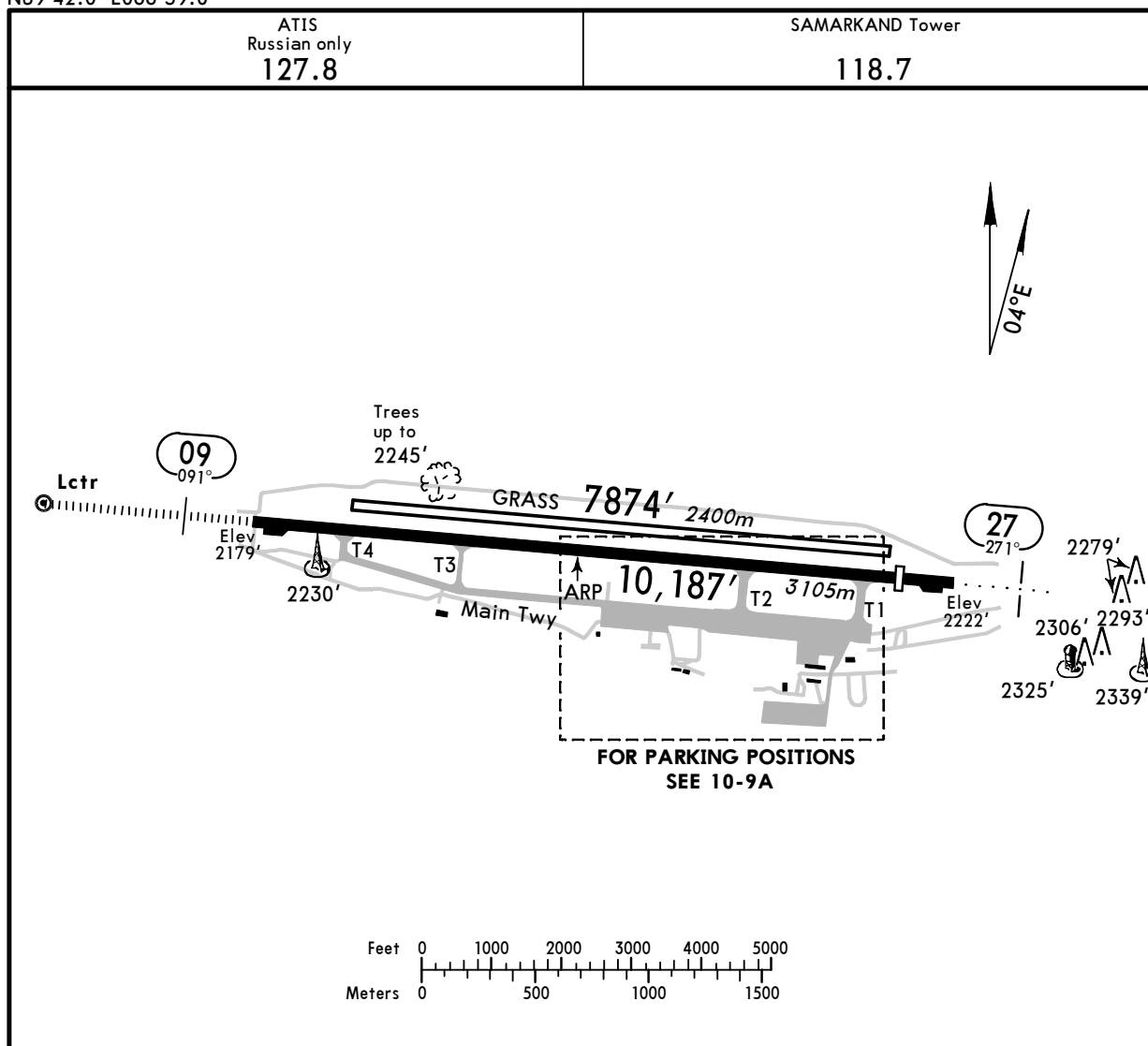
**JEPPesen SAMARKAND, UZBEKISTAN**

23 APR 10

**10-9**

**Eff 6 May**

**SAMARKAND**



**ADDITIONAL RUNWAY INFORMATION**

| RWY |    |              |       |        | USABLE LENGTHS |             | TAKE-OFF | WIDTH       |
|-----|----|--------------|-------|--------|----------------|-------------|----------|-------------|
|     |    |              |       |        | LANDING BEYOND |             |          |             |
|     |    |              |       |        | Threshold      | Glide Slope |          |             |
| 09  | 27 | HIRL (60m)   | HIALS | PAPI-L | RVR            | 7874' 2400m | 1        | 161'        |
|     |    | HIRL (60m)   | MIALS | PAPI-L | RVR            | 9400' 2865m |          | 8489' 2587m |
| 09  | 27 | Grass runway |       |        |                |             |          | 197'        |
|     |    |              |       |        |                |             |          | 60m         |
|     |    |              |       |        |                |             |          |             |
|     |    |              |       |        |                |             |          |             |

**1 TAKE-OFF RUN AVAILABLE**

**RWY 09:**

From rwy head 10,187' (3105m)  
 twy T4 int 9023' (2750m)  
 twy T3 int 7218' (2200m)

**RWY 27:**

From rwy head 10,187' (3105m)  
 twy T1 int 9023' (2750m)  
 twy T2 int 7218' (2200m)

**TAKE-OFF**

| AIR CARRIER (JAA)        |                   |                      |             |
|--------------------------|-------------------|----------------------|-------------|
| Main rwy 09              |                   | Main rwy 27          |             |
| RCLM (DAY only)<br>or RL |                   | LVP must be in force |             |
|                          |                   | DAY<br>RCLM or RL    | NIGHT<br>RL |
| A                        | ceil 220m - 1700m | 300m                 | 300m        |
|                          |                   |                      | 400m        |
| B                        |                   |                      |             |
| C                        | ceil 240m - 1800m | 300m                 | 400m        |
| D                        |                   |                      |             |

UTSS/SKD



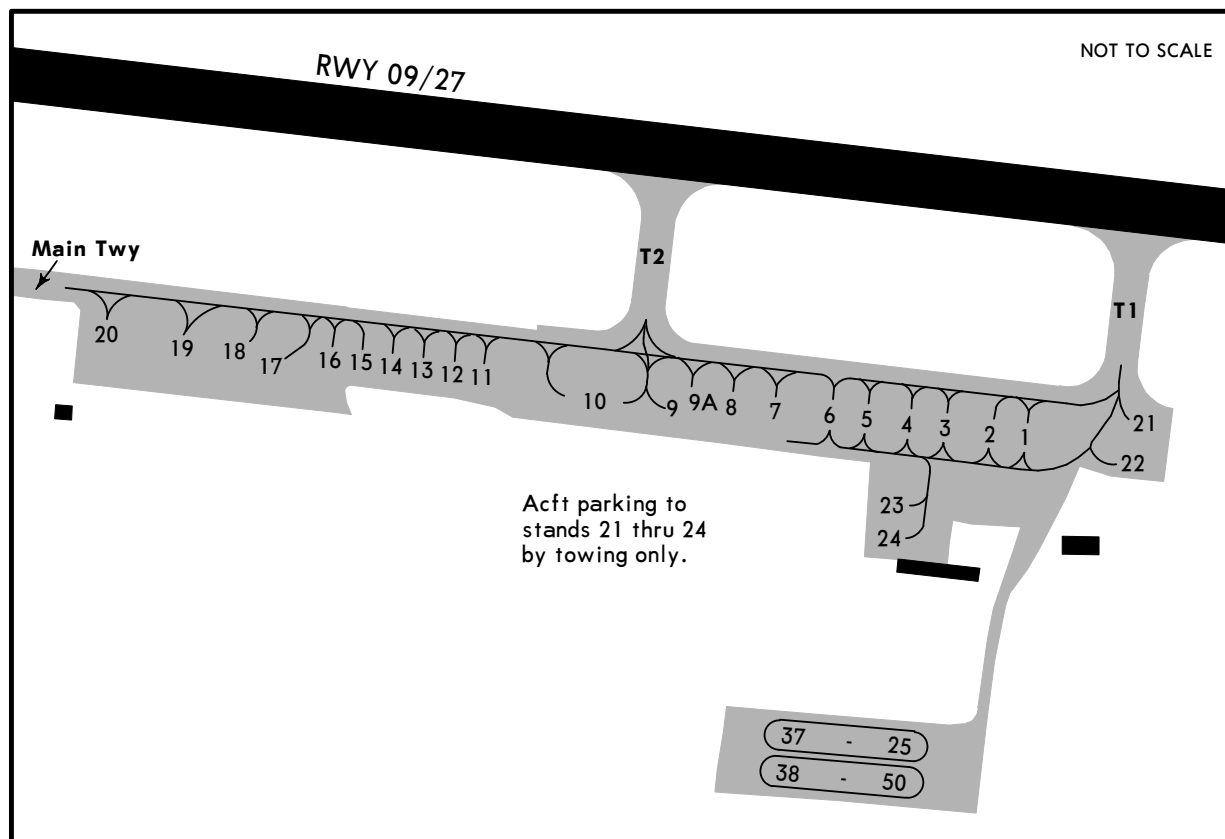
**JEPPESEN SAMARKAND, UZBEKISTAN**

23 APR 10

(10-9A)

Eff 6 May

SAMARKAND



#### INS COORDINATES

| STAND No. | COORDINATES        | STAND No.  | COORDINATES        |
|-----------|--------------------|------------|--------------------|
| 1         | N39 41.8 E066 59.8 | 10         | N39 41.8 E066 59.5 |
| 2 thru 4  | N39 41.8 E066 59.7 | 11 thru 14 | N39 41.9 E066 59.3 |
| 5 thru 7  | N39 41.8 E066 59.6 | 15 thru 17 | N39 41.9 E066 59.2 |
| 8, 9      | N39 41.8 E066 59.5 | 18, 19     | N39 41.9 E066 59.1 |
| 9A        | N39 41.8 E066 59.6 | 20         | N39 41.9 E066 59.0 |

UTSS/SKD


**JEPPESEN**  
 23 APR 10 **10-9S**  
 Eff 6 May

**Standard**  
**SAMARKAND, UZBEKISTAN**  
 SAMARKAND

| STRAIGHT-IN RWY | A                                                  | B                                                  | C                                   | D                                   |
|-----------------|----------------------------------------------------|----------------------------------------------------|-------------------------------------|-------------------------------------|
| <b>09</b> ILS   | <b>2379'</b> (200')<br><b>800m</b>                 | <b>2379'</b> (200')<br><b>800m</b>                 | <b>2393'</b> (214')<br><b>800m</b>  | <b>2393'</b> (214')<br><b>800m</b>  |
| ALS out         | 1200m                                              | 1200m                                              | 1200m                               | 1200m                               |
| LOC             | NOT AUTHORIZED                                     |                                                    |                                     |                                     |
| 2 NDB ❶         | <b>2560'</b> (381')<br><b>1700m</b>                | <b>2560'</b> (381')<br><b>1700m</b>                | <b>2560'</b> (381')<br><b>1800m</b> | <b>2560'</b> (381')<br><b>1800m</b> |
| NDB ❶           | <b>2840'</b> (661')❷                               | <b>2840'</b> (661')❷                               | <b>3170'</b> (991')                 | <b>3170'</b> (991')                 |
| ALS out         | <b>2500m</b><br>3100m                              | <b>2500m</b><br>3100m                              | <b>5000m</b><br>5000m               | <b>5000m</b><br>5000m               |
| <b>27</b> ILS   | <b>3042'</b> (820')<br><b>3500m</b>                | <b>3042'</b> (820')<br><b>3500m</b>                | <b>3042'</b> (820')<br><b>3500m</b> | <b>3042'</b> (820')<br><b>3500m</b> |
| LOC             | NOT AUTHORIZED                                     |                                                    |                                     |                                     |
| NDB ❶❸          | <b>3110'</b> (888')<br>ceiling 700m - <b>5000m</b> | <b>3110'</b> (888')<br>ceiling 700m - <b>5000m</b> | NOT APPLICABLE                      |                                     |

❶ Continuous Descent Final Approach

❷ W/o Radar: DA(H) 3000'(821'), 3100m, ALS out 3800m.

❸ DAYTIME only.

| CIRCLE-TO-LAND | A              | B | C | D |
|----------------|----------------|---|---|---|
|                | NOT AUTHORIZED |   |   |   |

**TAKE-OFF RWY 09**

|   | RCLM (DAY only)<br>or RL | NIL<br>(DAY only) |
|---|--------------------------|-------------------|
| A | ceiling 220m - 1700m     |                   |
| B |                          |                   |
| C | ceiling 240m - 1800m     |                   |
| D |                          |                   |

**TAKE-OFF RWY 27**

|   | LVP must be in Force |             | RCLM (DAY only)<br>or RL | NIL<br>(DAY only) |
|---|----------------------|-------------|--------------------------|-------------------|
|   | DAY<br>RCLM or RL    | NIGHT<br>RL |                          |                   |
| A | 300m                 | 300m        | 400m                     | 500m              |
| B |                      |             |                          |                   |
| C |                      | 400m        |                          |                   |
| D |                      |             |                          |                   |

UTSS/SKD


**JEPPESEN**  
 23 APR 10  
 Eff 6 May **(10-9X)**
**JAA MINIMUMS****SAMARKAND, UZBEKISTAN**  
SAMARKAND

| STRAIGHT-IN RWY |                | A                        | B                        | C                   | D                   |
|-----------------|----------------|--------------------------|--------------------------|---------------------|---------------------|
| 09              | ILS            | <b>2379'</b> (200')      | <b>2379'</b> (200')      | <b>2393'</b> (214') | <b>2393'</b> (214') |
|                 |                | <b>800m</b>              | <b>800m</b>              | <b>800m</b>         | <b>800m</b>         |
|                 | <i>ALS out</i> | 1000m                    | 1000m                    | 1000m               | 1000m               |
|                 | LOC            | NOT AUTHORIZED           |                          |                     |                     |
|                 | 2 NDB          | <b>2560'</b> (381')      | <b>2560'</b> (381')      | <b>2560'</b> (381') | <b>2560'</b> (381') |
|                 |                | <b>1700m</b>             | <b>1700m</b>             | <b>1700m</b>        | <b>1700m</b>        |
|                 | <i>ALS out</i> | 1700m                    | 1700m                    | 1800m               | 2000m               |
|                 | NDB            | <b>2840'</b> (661') ❶    | <b>2840'</b> (661') ❶    | <b>3170'</b> (991') | <b>3170'</b> (991') |
| 27              |                | <b>2500m</b>             | <b>2500m</b>             | <b>5000m</b>        | <b>5000m</b>        |
|                 | ILS            | <b>3042'</b> (820')      | <b>3042'</b> (820')      | <b>3042'</b> (820') | <b>3042'</b> (820') |
|                 |                | <b>3500m</b>             | <b>3500m</b>             | <b>3500m</b>        | <b>3500m</b>        |
|                 | LOC            | NOT AUTHORIZED           |                          |                     |                     |
|                 | NDB ❷          | <b>3110'</b> (888')      | <b>3110'</b> (888')      | NOT APPLICABLE      |                     |
|                 |                | ceil 700m - <b>5000m</b> | ceil 700m - <b>5000m</b> |                     |                     |

❶ W/o Radar: 3000' (821'), 3000m.

❷ DAYTIME only.

| CIRCLE-TO-LAND | A              | B | C | D |
|----------------|----------------|---|---|---|
|                | NOT AUTHORIZED |   |   |   |

**TAKE-OFF RWY 09, 27**

| Rwy 09                   |                   | Rwy 27               |             |                          |                   |
|--------------------------|-------------------|----------------------|-------------|--------------------------|-------------------|
| RCLM (DAY only)<br>or RL | NIL<br>(DAY only) | LVP must be in Force |             | RCLM (DAY only)<br>or RL | NIL<br>(DAY only) |
|                          |                   | DAY<br>RCLM or RL    | NIGHT<br>RL |                          |                   |
| A                        | ceil 220m - 1700m | 300m                 | 300m        | 400m                     | 500m              |
| B                        |                   |                      |             |                          |                   |
| C                        | ceil 240m - 1800m |                      | 400m        |                          |                   |
| D                        |                   |                      |             |                          |                   |

# UTSS/SKD SAMARKAND

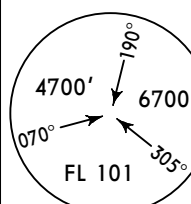
26 MAR 10  
Eff 8 Apr

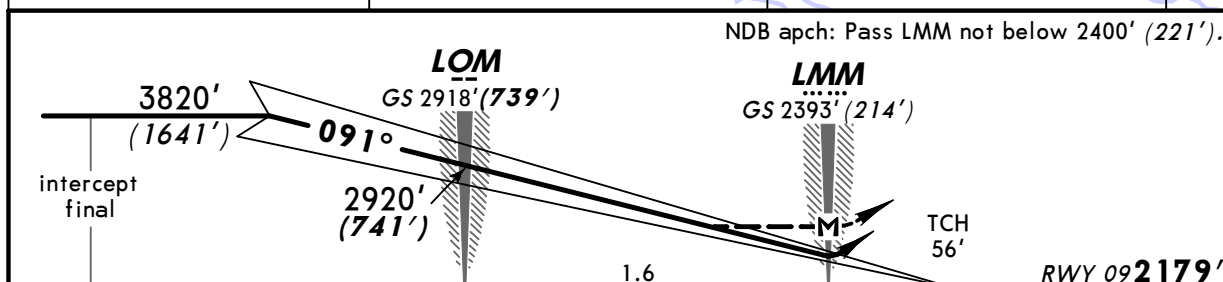
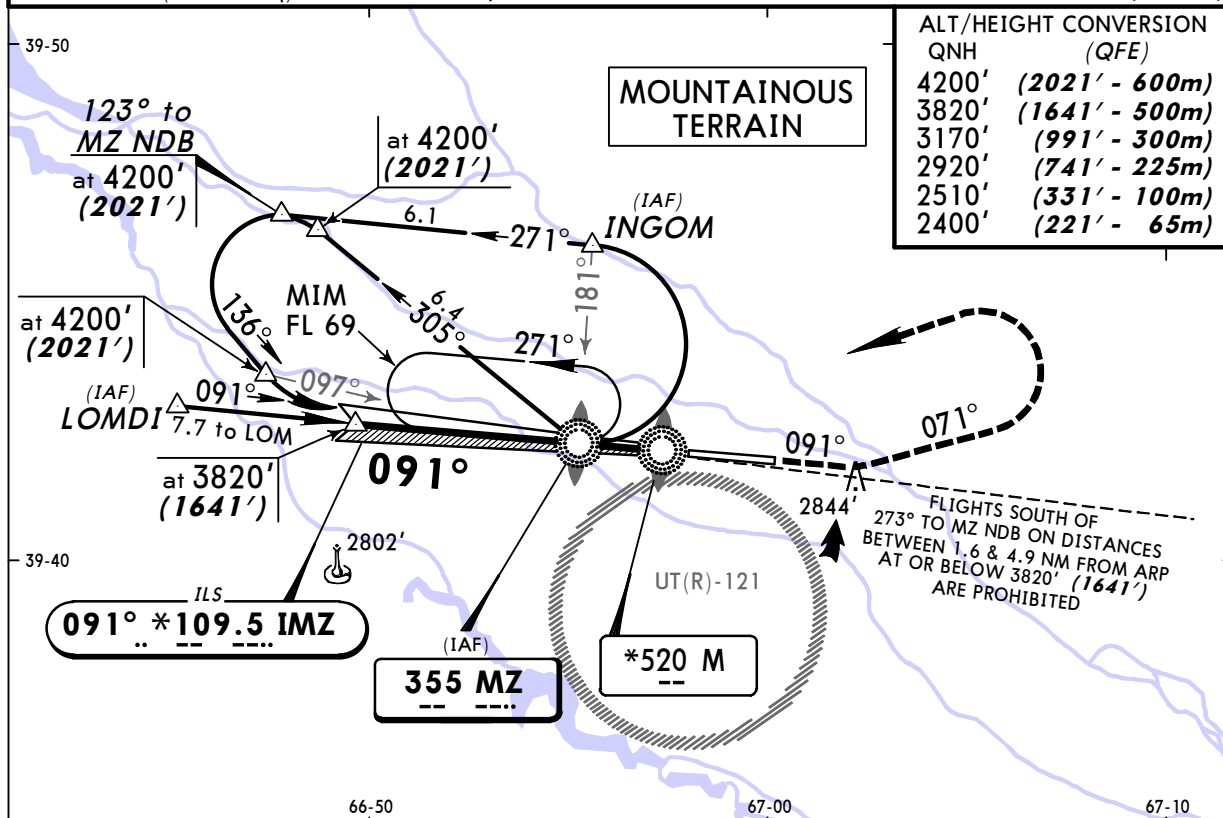
11-1

CAT C & D

# SAMARKAND, UZBEKISTAN ILS or 2 NDB Rwy 09

BRIEFING STRIP

|                                                                                                                                                                                             |                           |                                   |                                |                             |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------------------------|
| ATIS<br>127.8 Russian only                                                                                                                                                                  |                           | SAMARKAND Approach<br>120.8       |                                | SAMARKAND Tower<br>118.7    |                                                                                     |
| LOC<br>IMZ<br>*109.5                                                                                                                                                                        | Final<br>Apch Crs<br>091° | GS<br>LOM<br>2918'(739')          | ILS<br>DA(H)<br>2393'(214')    | Apt Elev 2225'<br>RWY 2179' |  |
| NDB<br>MZ<br>355                                                                                                                                                                            |                           | Minimum Alt<br>LOM<br>2920'(741') | 2 NDB<br>MDA(H)<br>2560'(381') |                             |                                                                                     |
| MISSED APCH: Climb on 091° to 2510' (331'), then turn LEFT onto 071° climbing to 3170' (991'), then turn LEFT to MZ NDB climbing to 4200' (2021'), then according to chart, or as directed. |                           |                                   |                                |                             |                                                                                     |
| Alt Set: MM (hPa on req)                                                                                                                                                                    |                           | QNH on req (QFE)                  |                                | Trans level: FL 69          |                                                                                     |
|                                                                                                                                                                                             |                           |                                   |                                | Trans alt: 4200' (2021')    |                                                                                     |



|                                |     |     |     |     |     |     |       |                      |      |              |
|--------------------------------|-----|-----|-----|-----|-----|-----|-------|----------------------|------|--------------|
| Gnd speed-Kts                  | 70  | 90  | 100 | 120 | 140 | 160 | HIALS | 2510' (331') on 091° | 071° | 3170' (991') |
| ILS GS or NDB Desc angle 3.00° | 377 | 484 | 538 | 646 | 753 | 861 | PAPI  |                      | LT   |              |
| MAP at LMM                     |     |     |     |     |     |     |       |                      |      |              |

| ILS               |          | LOC (GS out) | 2 NDB              |  | NDB                |  | CIRCLE-TO-LAND |          |
|-------------------|----------|--------------|--------------------|--|--------------------|--|----------------|----------|
| DA(H) 2393'(214') |          |              | MDA(H) 2560'(381') |  | MDA(H) 3170'(991') |  |                |          |
| FULL              | ALS out  |              | ALS out            |  | ALS out            |  |                |          |
| A                 | see 11-2 |              | see 11-2           |  | see 11-2           |  | A              | NOT AUTH |
| B                 |          |              |                    |  |                    |  | B              |          |
| C                 |          |              |                    |  |                    |  | C              |          |
| D                 | 800m     | 1200m        | 1700m              |  | 5000m              |  | D              |          |

PANS OPS

**UTSS/SKD**  
**SAMARKAND**

26 MAR 10  
Eff 8 Apr

11-2

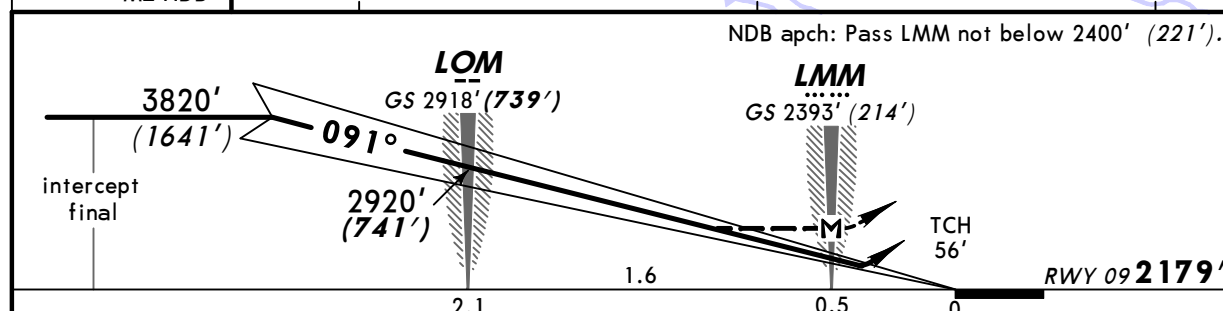
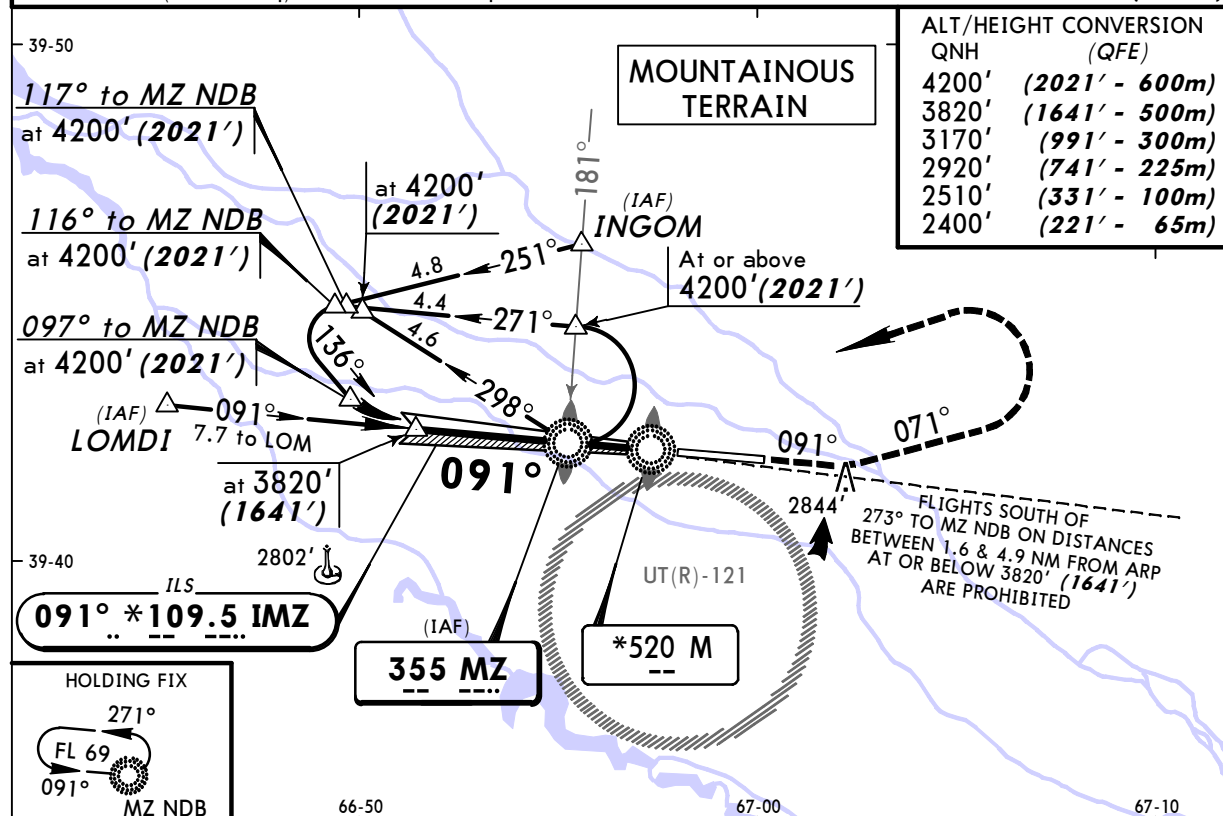
**CAT A & B**

**JEPPESSEN SAMARKAND, UZBEKISTAN**  
MAR 10 11-2 CAT A & B ILS or 2 NDB Rwy 09  
f 8 Apr

ILS or 2 NDB Rwy 09

|                                                                                                                                                                                                    |                                          |                                                  |                                        |                                               |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------|----------------------------------------|-----------------------------------------------|--|
| ATIS<br><b>127.8</b> Russian only                                                                                                                                                                  |                                          | SAMARKAND Approach<br><b>120.8</b>               |                                        | SAMARKAND Tower<br><b>118.7</b>               |  |
| LOC<br>IMZ<br><b>*109.5</b>                                                                                                                                                                        | <i>Final<br/>Apch Crs</i><br><b>091°</b> | GS<br>LOM<br><b>2918' (739')</b>                 | ILS<br>DA(H)<br><b>2379' (200')</b>    | <i>Apt Elev 2225'</i><br><br><b>RWY 2179'</b> |  |
| NDB<br>MZ<br><b>355</b>                                                                                                                                                                            |                                          | <i>Minimum Alt</i><br>LOM<br><b>2920' (741')</b> | 2 NDB<br>MDA(H)<br><b>2560' (381')</b> |                                               |  |
| <b>MISSED APCH:</b> Climb on 091° to 2510' (331'), then turn LEFT onto 071° climbing to 3170' (991'), then turn LEFT to MZ NDB climbing to 4200' (2021'), then according to chart, or as directed. |                                          |                                                  |                                        |                                               |  |
| Alt Set: MM (hPa on req)      QNH on req <b>(QFE)</b> Trans level: FL 69      Trans alt: 4200' <b>(2021')</b>                                                                                      |                                          |                                                  |                                        |                                               |  |

| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 4200'                 | (2021' - 600m) |
| 3820'                 | (1641' - 500m) |
| 3170'                 | (991' - 300m)  |
| 2920'                 | (741' - 225m)  |
| 2510'                 | (331' - 100m)  |
| 2400'                 | (221' - 65m)   |



|                                       |     |     |     |     |     |     |                   |                                  |        |                                      |
|---------------------------------------|-----|-----|-----|-----|-----|-----|-------------------|----------------------------------|--------|--------------------------------------|
| <i>Gnd speed-Kts</i>                  | 70  | 90  | 100 | 120 | 140 | 160 | <br>HIALS<br>PAPI | 2510'<br>( <b>331'</b> ) on 091° | <br>LT | 071°<br><br>3170'<br>( <b>991'</b> ) |
| <i>ILS GS or NDB Desc angle</i> 3.00° | 377 | 484 | 538 | 646 | 753 | 861 |                   |                                  |        |                                      |
| <i>MAP at LMM</i>                     |     |     |     |     |     |     |                   |                                  |        |                                      |

| ILS                |          |         | STRAIGHT-IN LANDING RWY 09 |          |          | CIRCLE-TO-LAND             |             |  |
|--------------------|----------|---------|----------------------------|----------|----------|----------------------------|-------------|--|
| LOC<br>(GS out)    |          |         | 2 NDB                      |          |          | NDB<br>with Radar <b>I</b> |             |  |
| DA(H) 2379' (200') |          |         | MDA(H) 2560' (381')        |          |          | MDA(H) 2840' (661')        |             |  |
| FULL               |          | ALS out | ALS out                    |          | ALS out  |                            |             |  |
| A                  | 800m     | 1200m   | NOT<br>AUTH                | 1700m    | 2500m    | A                          | NOT<br>AUTH |  |
| B                  |          |         |                            |          |          | B                          |             |  |
| C                  | see 11-1 |         |                            | see 11-1 | see 11-1 | C                          |             |  |
| D                  |          |         |                            |          |          | D                          |             |  |

**1** W/o Radar: MDA(H) 3000' (821'), 3000m.

**CHANGES:** Notes. Minimums.

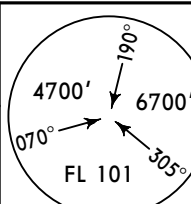
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# UTSS/SKD SAMARKAND

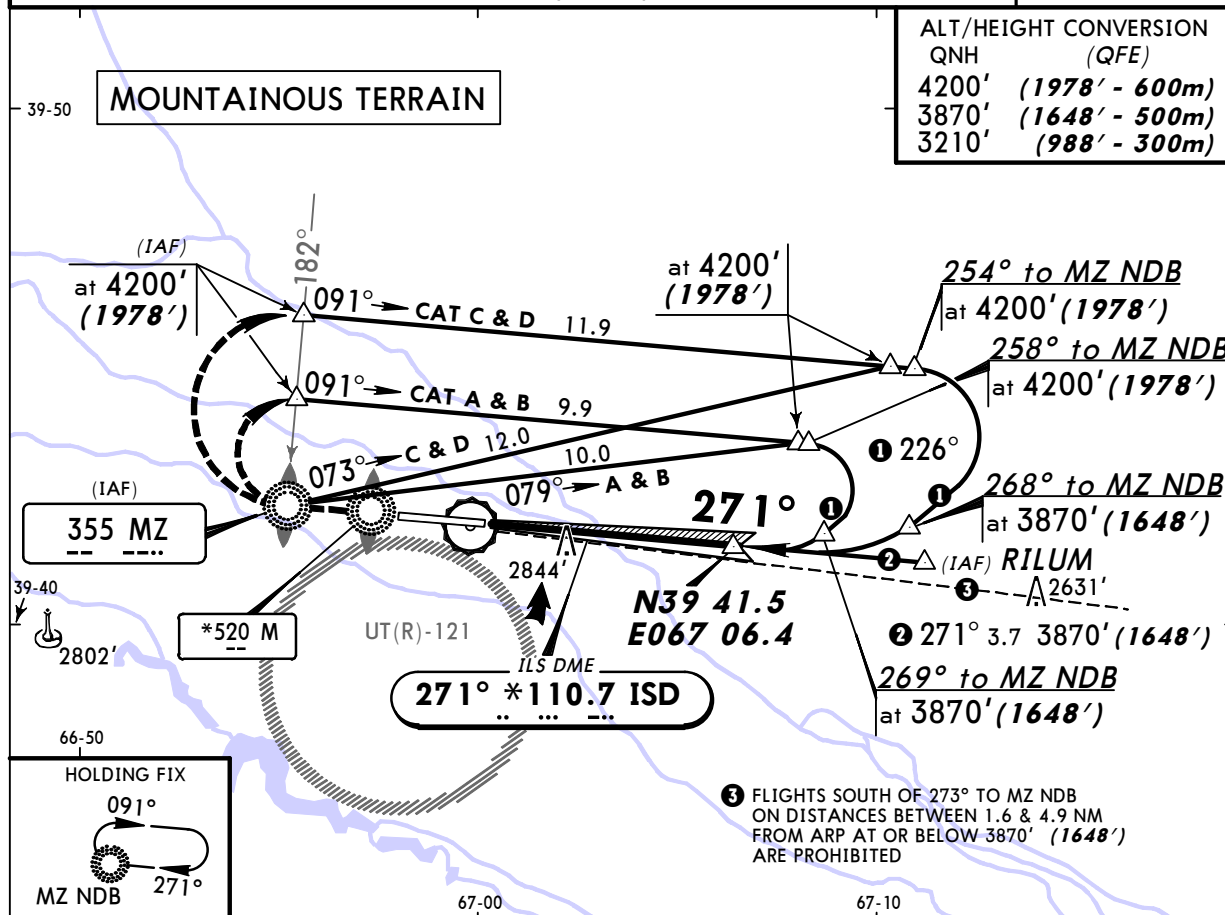
23 APR 10 **11-3** Eff 6 May

# SAMARKAND, UZBEKISTAN ILS DME Rwy 27

BRIEFING STRIP

|                                                                                                                                                            |                           |                             |                              |                             |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------|------------------------------|-----------------------------|-------------------------------------------------------------------------------------|
| ATIS<br>Russian only<br>127.8                                                                                                                              |                           | SAMARKAND Approach<br>120.8 |                              | SAMARKAND Tower<br>118.7    |                                                                                     |
| LOC<br>ISD<br>* 110.7                                                                                                                                      | Final<br>Apch Crs<br>271° | GS<br>No alt<br>published   | ILS<br>DA(H)<br>3042' (820') | Apt Elev 2225'<br>RWY 2222' |  |
| MISSED APCH: Climb on 271° to 3210' (988'), then turn RIGHT onto 091° climbing to 4200' (1978'), then according to chart, or as directed.                  |                           |                             |                              |                             |                                                                                     |
| Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 4200' (1978')<br>1. DME required. 2. ILS DME reads zero at rwy 27 displ threshold. |                           |                             |                              |                             |                                                                                     |

MSA  
MZ NDB



|               |     |     |     |     |     |     |                |                      |         |               |
|---------------|-----|-----|-----|-----|-----|-----|----------------|----------------------|---------|---------------|
| Gnd speed-Kts | 70  | 90  | 100 | 120 | 140 | 160 | MIALS<br>PAPI: | 3210' (988') on 271° | 091° RT | 4200' (1978') |
| GS 3.00°      | 377 | 484 | 538 | 646 | 753 | 861 |                |                      |         |               |

| STRAIGHT-IN LANDING RWY 27       |       |              |                | CIRCLE-TO-LAND |   |                |
|----------------------------------|-------|--------------|----------------|----------------|---|----------------|
| ILS<br><i>DA(H)</i> 3042' (820') |       | LOC (GS out) |                |                |   |                |
| FULL                             |       | ALS out      |                |                |   |                |
| A                                | 3500m |              | NOT AUTHORIZED |                | A | NOT AUTHORIZED |
| B                                |       |              |                |                | B |                |
| C                                |       |              |                |                | C |                |
| D                                |       |              |                |                | D |                |

PANS OPS

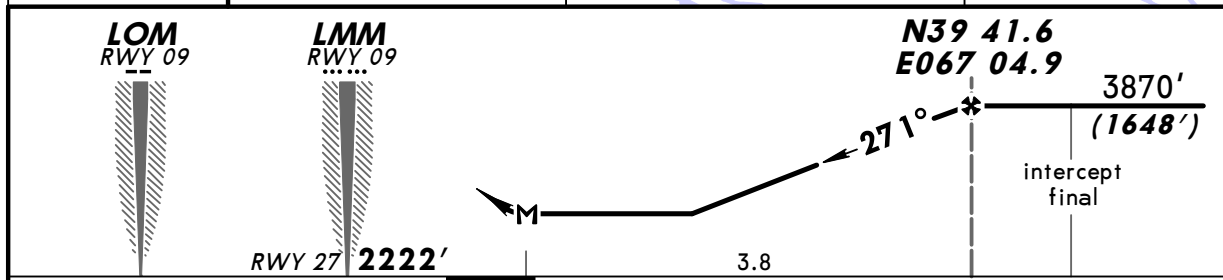
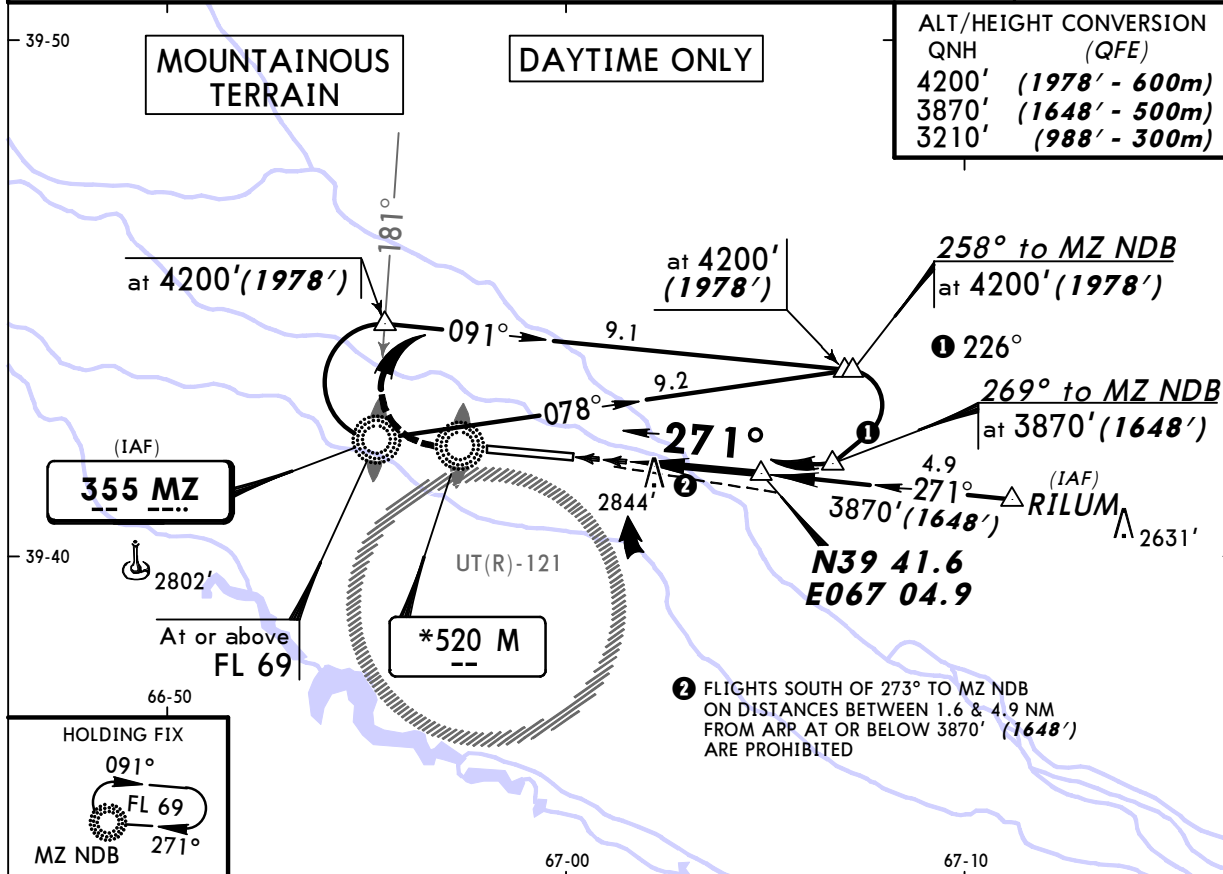
# UTSS/SKD SAMARKAND

**JEPPESEN** **SAMARKAND, UZBEKISTAN**  
23 APR 10 **16-1** **CAT A & B**  
**Eff 6 May**

# NDB Rwy 27

BRIEFING STRIP

|                                                                                                                                                                  |                           |                                                   |                       |                             |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------|-----------------------|-----------------------------|---------------|
| ATIS<br>Russian only<br>127.8                                                                                                                                    |                           | SAMARKAND Approach<br>120.8                       |                       | SAMARKAND Tower<br>118.7    |               |
| NDB<br>MZ<br>355                                                                                                                                                 | Final<br>Apch Crs<br>271° | Minimum Alt<br>N39 41.6 E067 04.9<br>3870'(1648') | MDA(H)<br>3110'(888') | Apt Elev 2225'<br>RWY 2222' |               |
| MISSED APCH: Climb on 271° to 3210' (988'), then turn RIGHT onto 091° climbing to 4200' (1978'), then according to chart, or as directed.                        |                           |                                                   |                       |                             |               |
| Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 4200'(1978')<br>1. RADAR is mandatory. 2. Landing with tailwind component is PROHIBITED. |                           |                                                   |                       |                             |               |
|                                                                                                                                                                  |                           |                                                   |                       |                             | MSA<br>MZ NDB |



|               |       |      |      |      |      |      |       |                 |      |      |               |
|---------------|-------|------|------|------|------|------|-------|-----------------|------|------|---------------|
| Gnd speed-Kts | 70    | 90   | 100  | 120  | 140  | 160  | MIALS | 3210' (988') on | 271° | 091° | 4200' (1978') |
| Descent angle | 4.00° | 496  | 637  | 708  | 850  | 991  | 1133  | PAPI            |      |      |               |
| FAF to MAP    | 3.8   | 3:15 | 2:32 | 2:17 | 1:54 | 1:38 | 1:26  |                 |      |      |               |

|                            |                |  |  |                  |   |                |  |                |  |  |  |
|----------------------------|----------------|--|--|------------------|---|----------------|--|----------------|--|--|--|
| STRAIGHT-IN LANDING RWY 27 |                |  |  | CEILING REQUIRED |   |                |  | CIRCLE-TO-LAND |  |  |  |
| MDA(H) 3110' (888')        |                |  |  | ALS out          |   |                |  |                |  |  |  |
| A                          | 700m - 5000m   |  |  |                  | A |                |  |                |  |  |  |
| B                          |                |  |  |                  | B |                |  |                |  |  |  |
| C                          | NOT APPLICABLE |  |  |                  | C | NOT AUTHORIZED |  |                |  |  |  |
| D                          |                |  |  |                  | D |                |  |                |  |  |  |

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