

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

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

## **TERMINAL CHART NOTAMs**

**No Chart NOTAMs for Airport UACK**

**UACK (Kokshetau)****General Info**

Kokshetau, KAZ

N 53° 19.7' E 69° 35.7' Mag Var: 11.0°E

Elevation: 886'

Public, IFR, Control Tower, Customs

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+6:00 uses DST

**Runway Info**

Runway 02-20 8356' x 146' concrete

Runway 02 (21.0°M) TDZE 886'

Lights: Edge, ALS

Runway 20 (201.0°M) TDZE 873'

Lights: Edge, ALS

**Communications Info**Kokshetau Tower **127.9**Kokshetau Tower **124.0** Secondary**Notebook Info**

# UACK/KOV KOKSHETAU

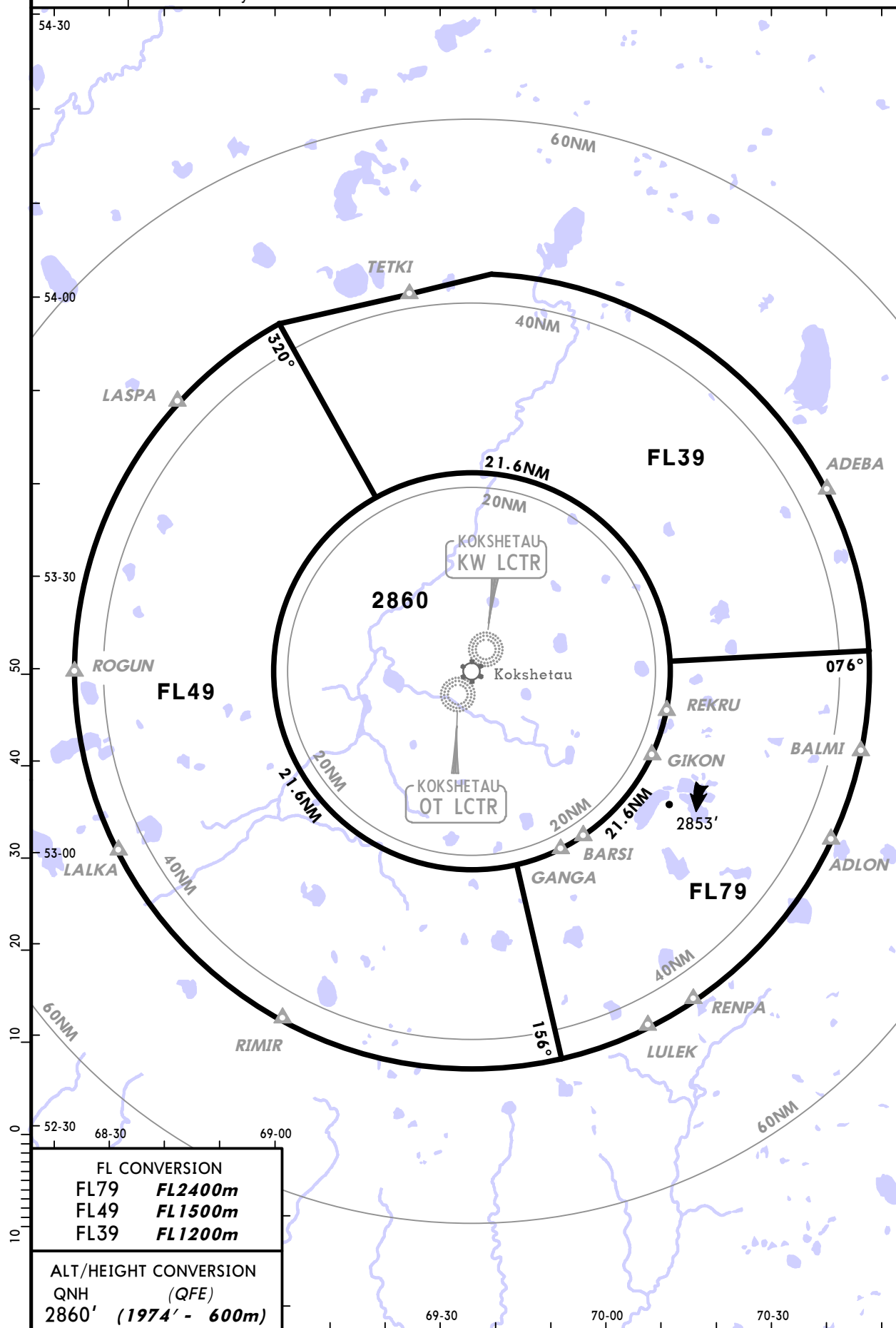
**JEPPesen** **KOKSHETAU, KAZAKHSTAN**  
26 MAR 10 **(10-1R)** Eff 8 Apr **RADAR MINIMUM ALTITUDES**

**Apt Elev**  
**886'**

Alt Set: MM (hPa on request) QNH on request **(QFE)**

Trans level: FL39 Trans alt: 2860' **(1974')**

1. This chart may only be used for cross-checking of altitudes assigned while under radar control.
2. Levels assigned by ATC include a correction for low temperature effect if necessary.



**UACK/KOV**  
**KOKSHETAU**

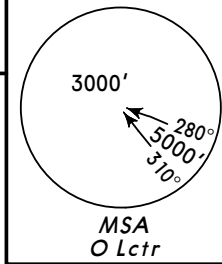
**JEPPesen** **KOKSHETAU, KAZAKHSTAN**  
26 MAR 10 **10-2** **Eff 8 Apr**

**STAR**

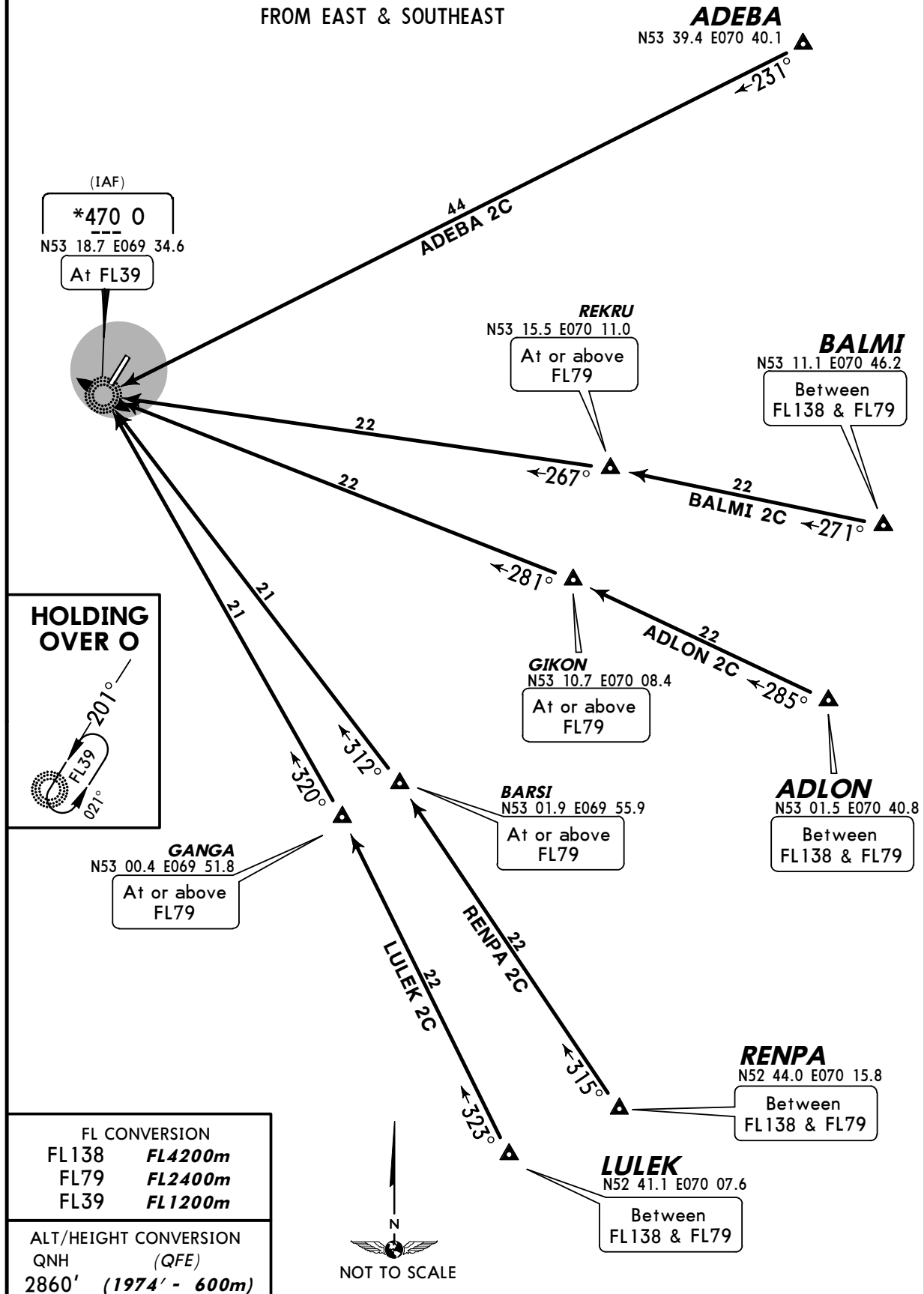
**Apt Elev**  
**886'**

Alt Set: MM (hPa on request) QNH on request  
Trans level: FL39 Trans alt: 2860' (1974')

(QFE)



**ADEBA 2C**  
**ADLON 2C, BALMI 2C**  
**LULEK 2C, RENPA 2C**  
**RWY 02 ARRIVALS**  
**FROM EAST & SOUTHEAST**



**UACK/KOV**  
**KOKSHETAU**

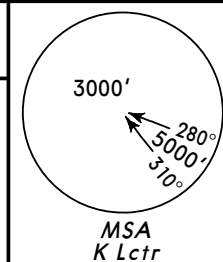
JEPPESSEN K  
26 MAR 10 10-2A Eff 8 Apr

## KOKSHETAU, KAZAKHSTAN

**STAR**

*Apt Elev*  
886'

Alt Set: MM (hPa on request) QNH on request (QFE)  
Trans level: FL39 Trans alt: 2860' (1987')



ADEBA 2D  
ADLON 2D, BALMI 2D  
LULEK 2D, RENPA 2D  
RWY 20 ARRIVALS  
FROM EAST & SOUTHEAST

**ADEBA**  
N53 39.4 E070 40.1

(IAF)  
\*470 K  
N53 20.9 E069 36.9  
At FL39

**REKRU**  
N53 15.5 E070 11.0  
At or above

**BALMI**  
N53 11.1 E070 46.2  
Between  
FL138 & FL79

## HOLDING OVER K



**GIKON**  
N53 10.7 E070 08.4  
At or above  
FL79

**BARSI**  
N53 01.9 E069 55.9  
At or above  
FL79

**ADLON**  
N53 01.5 E070 40.8  
Between  
FL138 & FL79

**GANGA**  
N53 00.4 E069 51.8  
At or above  
FL79

FL CONVERSION

|       |                       |
|-------|-----------------------|
| FL138 | <b><i>FL4200m</i></b> |
| FL79  | <b><i>FL2400m</i></b> |
| FL39  | <b><i>FL1200m</i></b> |

ALT/HEIGHT CONVERSION  
QNH (QFE)  
2860' (1987' - 600m)



**LULEK**  
N52 41.1 E070 07.6  
Between  
FL138 & FL79

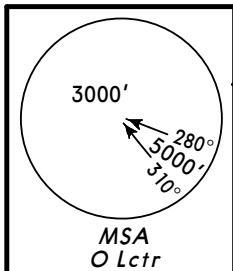
**RENPA**  
N52 44.0 E070 15.8  
Between  
FL138 & FL79

**UACK/KOV**  
**KOKSHETAU**

**JEPPESEN**  
26 MAR 10 **(10-2B)** **Eff 8 Apr**

**KOKSHETAU, KAZAKHSTAN**

**STAR**



**Apt Elev**  
**886'**

Alt Set: MM (hPa on request) QNH on request (QFE)  
Trans level: FL39 Trans alt: 2860' (1974')

**LALKA 2C, LASPA 2C**  
**RIMIR 2C, ROGUN 2C**  
**TETKI 2C**  
**RWY 02 ARRIVALS**  
**FROM SOUTHWEST, WEST & NORTH**

**TETKI**  
N54 00.3 E069 24.4

**LASPA**  
N53 48.9 E068 42.3



**ROGUN**  
N53 19.7 E068 23.7

**LALKA**  
N53 00.3 E068 31.7

**RIMIR**  
N52 41.9 E069 01.4

(IAF)  
**\*470 0**  
N53 18.7 E069 34.6  
**At FL39**

**FL CONVERSION**  
**FL39 FL1200m**

**ALT/HEIGHT CONVERSION**  
QNH (QFE)  
**2860' (1974' - 600m)**

**HOLDING**  
**OVER O**

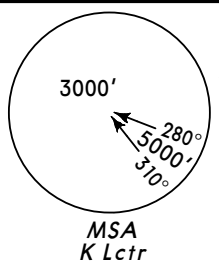


**UACK/KOV**  
**KOKSHETAU**

**JEPPesen**  
26 MAR 10 **10-2C** **Eff 8 Apr**

**KOKSHETAU, KAZAKHSTAN**

**STAR**



**Apt Elev**  
**886'**

Alt Set: MM (hPa on request) QNH on request  
Trans level: FL39 Trans alt: 2860' **(1987')**

**(QFE)**

**LALKA 2D, LASPA 2D**  
**RIMIR 2D, ROGUN 2D**  
**TETKI 2D**  
**RWY 20 ARRIVALS**  
**FROM SOUTHWEST, WEST & NORTH**

**LASPA**  
N53 48.9 E068 42.3

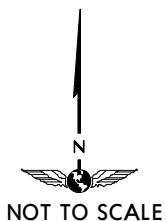
119°

43  
**LASPA 2D**

**TETKI**  
N54 00.3 E069 24.4

158°

40  
**TETKI 2D**



**ROGUN**  
N53 19.7 E068 23.7

077°

44  
**ROGUN 2D**

44  
**LALKA 2D**

**LALKA**  
N53 00.3 E068 31.7

051°

45  
**RIMIR 2D**

**RIMIR**  
N52 41.9 E069 01.4

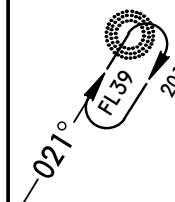
018°

(IAF)  
**\*470 K**  
N53 20.9 E069 36.9  
**At FL39**

**FL CONVERSION**  
**FL39 FL1200m**

**ALT/HEIGHT CONVERSION**  
QNH (QFE)  
**2860' (1987' - 600m)**

**HOLDING OVER K**



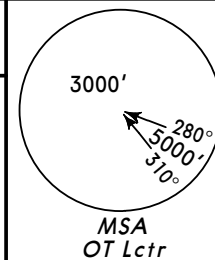
**UACK/KOV**  
**KOKSHETAU**

**JEPPESEN** **KOKSHETAU, KAZAKHSTAN**  
 16 JUL 10 **10-3** **Eff 29 Jul**

**SID**

**Apt Elev**  
**886'**

QNH on request **(QFE)**  
 Trans level: FL39 Trans alt: 2860' **(1974')**

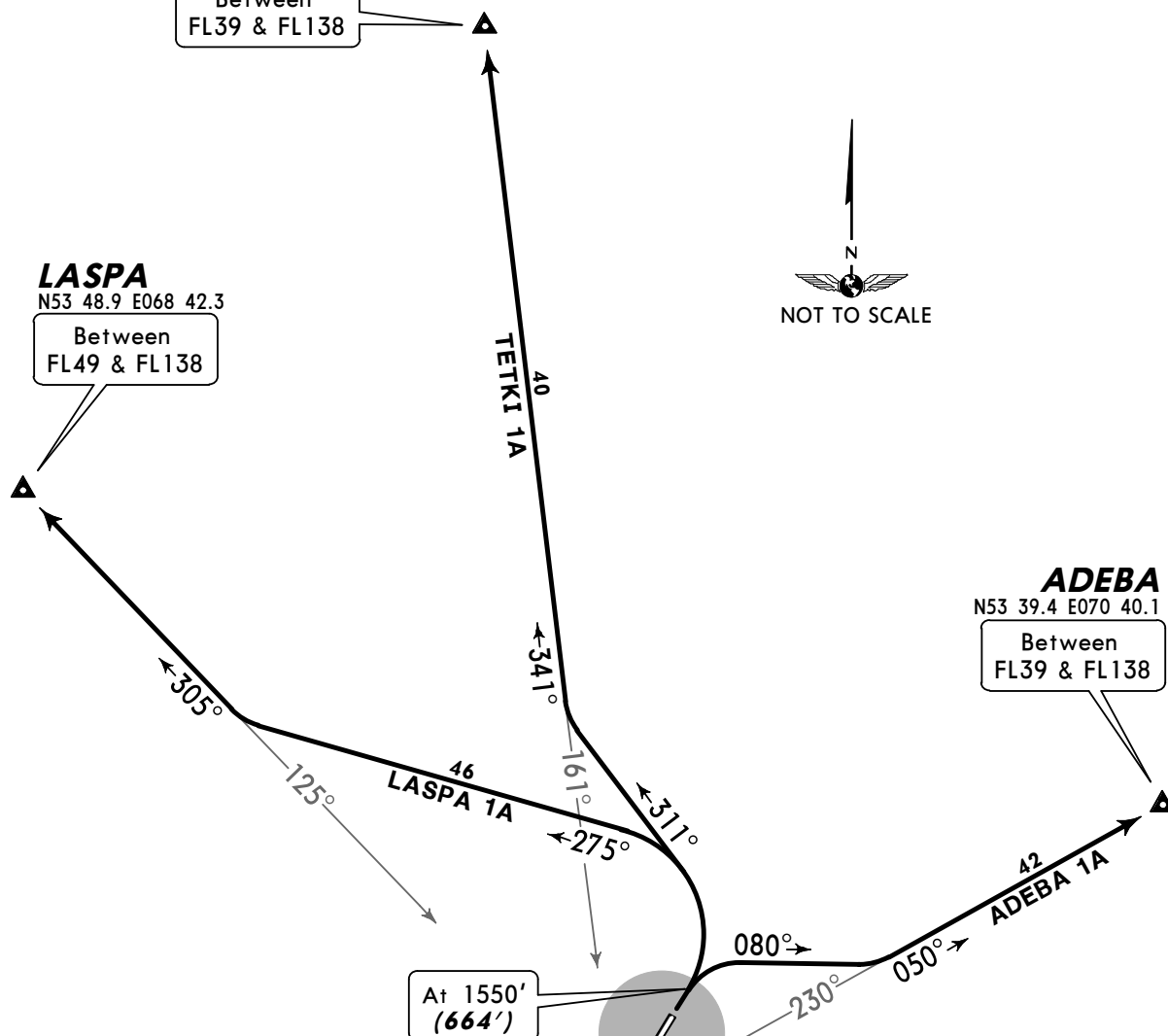
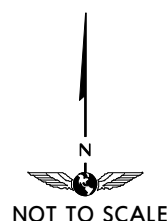


**ADEBA 1A**  
**LASPA 1A**  
**TETKI 1A**  
**RWY 02 DEPARTURES**  
**TO NORTH**

**TETKI**  
 N54 00.3 E069 24.4  
 Between  
 FL39 & FL138

**LASPA**  
 N53 48.9 E068 42.3  
 Between  
 FL49 & FL138

**ADEBA**  
 N53 39.4 E070 40.1  
 Between  
 FL39 & FL138



**ALT/HEIGHT CONVERSION**  
 QNH **(QFE)**  
 1550' **(664' - 200m)**  
 2860' **(1974' - 600m)**

**FL CONVERSION**  
 FL39 **FL1200m**  
 FL49 **FL1500m**  
 FL138 **FL4200m**

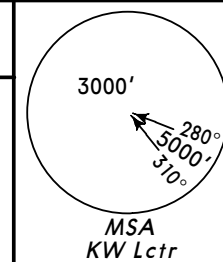
| SID             | ROUTING                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------|
| <b>ADEBA 1A</b> | Climb to 1550' <b>(664')</b> , turn RIGHT, 080° track, intercept 050° bearing from OT to ADEBA. |
| <b>LASPA 1A</b> | Climb to 1550' <b>(664')</b> , turn LEFT, 275° track, intercept 305° bearing from OT to LASPA.  |
| <b>TETKI 1A</b> | Climb to 1550' <b>(664')</b> , turn LEFT, 311° track, intercept 341° bearing from OT to TETKI.  |

**UACK/KOV**  
**KOKSHETAU**

**JEPPESEN** **KOKSHETAU, KAZAKHSTAN**  
 16 JUL 10 **10-3A** **Eff 29 Jul**

**SID**

**Apt Elev**  
**886'** QNH on request **(QFE)**  
 Trans level: FL39 Trans alt: 2860' **(1987')**



**ADEBA 1B**  
**LASPA 1B**  
**TETKI 1B**  
**RWY 20 DEPARTURES**  
**TO NORTH**

**TETKI**  
 N54 00.3 E069 24.4

Between  
 FL39 & FL138

**LASPA**  
 N53 48.9 E068 42.3

Between  
 FL49 & FL138



**ADEBA**  
 N53 39.4 E070 40.1

Between  
 FL39 & FL138

**\*957 KW**  
 N53 22.1 E069 38.2

At or above  
 FL39

At 1530'  
**(657')**

**ALT/HEIGHT CONVERSION**  
 QNH **(QFE)**  
 1530' **(657' - 200m)**  
 2860' **(1987' - 600m)**

**FL CONVERSION**  
 FL39 **FL1200m**  
 FL49 **FL1500m**  
 FL138 **FL4200m**

| SID             | ROUTING                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------|
| <b>ADEBA 1B</b> | Climb to 1530' <b>(657')</b> , turn RIGHT to KW, 053° bearing to ADEBA.                         |
| <b>LASPA 1B</b> | Climb to 1530' <b>(657')</b> , turn RIGHT, 328° track, intercept 298° bearing from KW to LASPA. |
| <b>TETKI 1B</b> | Climb to 1530' <b>(657')</b> , turn RIGHT, 007° track, intercept 337° bearing from KW to TETKI. |

**UACK/KOV**  
**KOKSHETAU**

16 JUL 10

**JEPPESSEN**

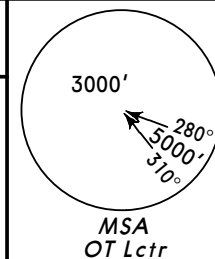
## KOKSHETAU, KAZAKHSTAN

**Eff 29 Jul**

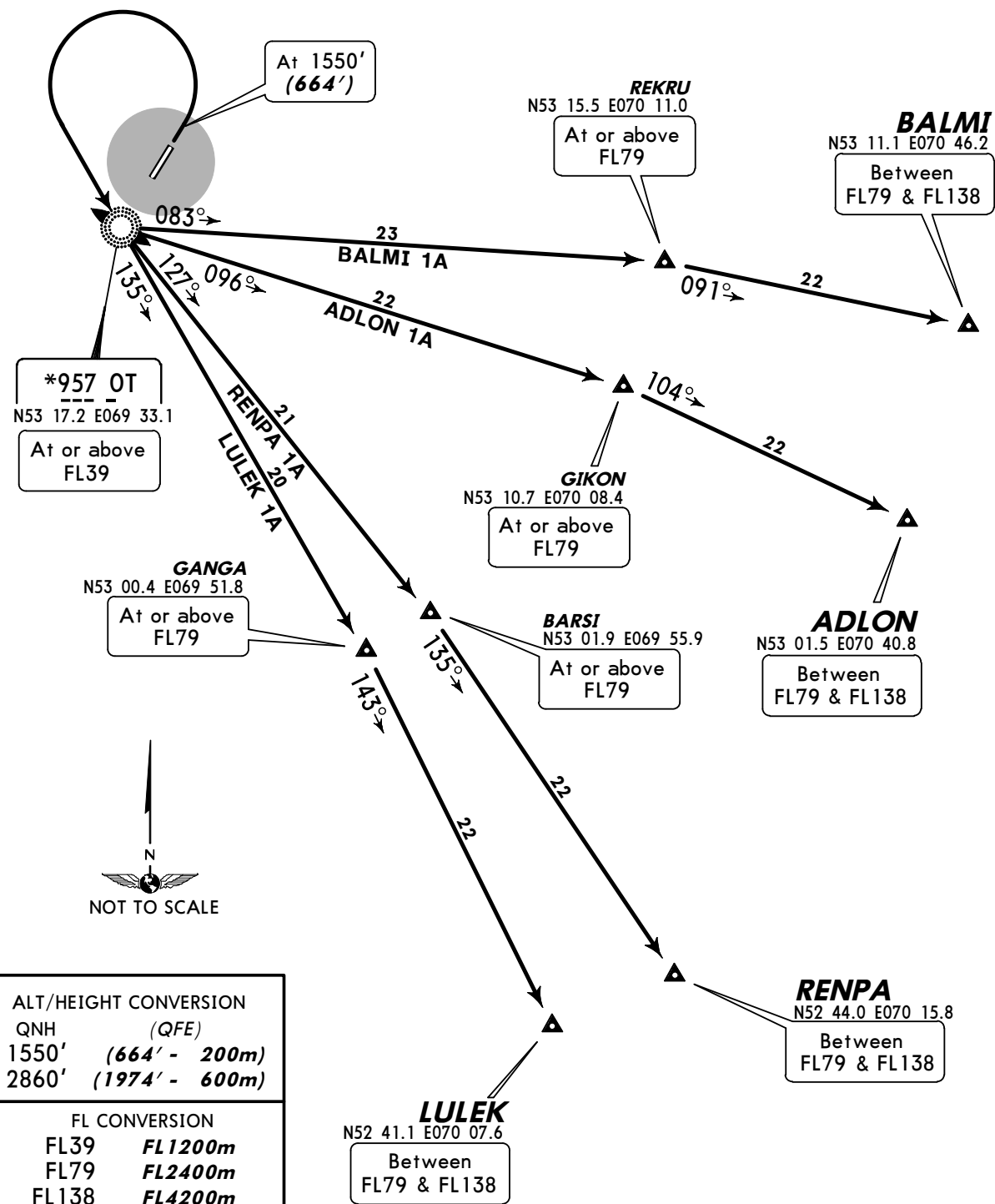
SID

*Apt Elev*  
886'

QNH on request **(QFE)**  
Trans level: FL39    Trans alt: 2860' **(1974')**



ADLON 1A, BALMI 1A  
LULEK 1A, RENPA 1A  
RWY 02 DEPARTURES  
TO EAST



ALT/HEIGHT CONVERSION

| QNH   | (QFE)          |
|-------|----------------|
| 1550' | (664' - 200m)  |
| 2860' | (1974' - 600m) |

FL CONVERSION

|       |                       |
|-------|-----------------------|
| FL39  | <b><i>FL1200m</i></b> |
| FL79  | <b><i>FL2400m</i></b> |
| FL138 | <b><i>FL4200m</i></b> |

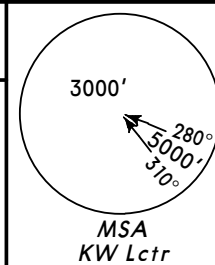
| SID      | ROUTING                                                                                                  |
|----------|----------------------------------------------------------------------------------------------------------|
| ADLON 1A | Climb to 1550' ( <b>664'</b> ), turn LEFT to OT, 096° bearing to GIKON, turn RIGHT, 104° track to ADLON. |
| BALMI 1A | Climb to 1550' ( <b>664'</b> ), turn LEFT to OT, 083° bearing to REKRU, turn RIGHT, 091° track to BALMI. |
| LULEK 1A | Climb to 1550' ( <b>664'</b> ), turn LEFT to OT, 135° bearing to GANGA, turn RIGHT, 143° track to LULEK. |
| RENPA 1A | Climb to 1550' ( <b>664'</b> ), turn LEFT to OT, 127° bearing to BARSİ, turn RIGHT, 135° track to RENPA. |

**UACK/KOV**  
**KOKSHETAU**

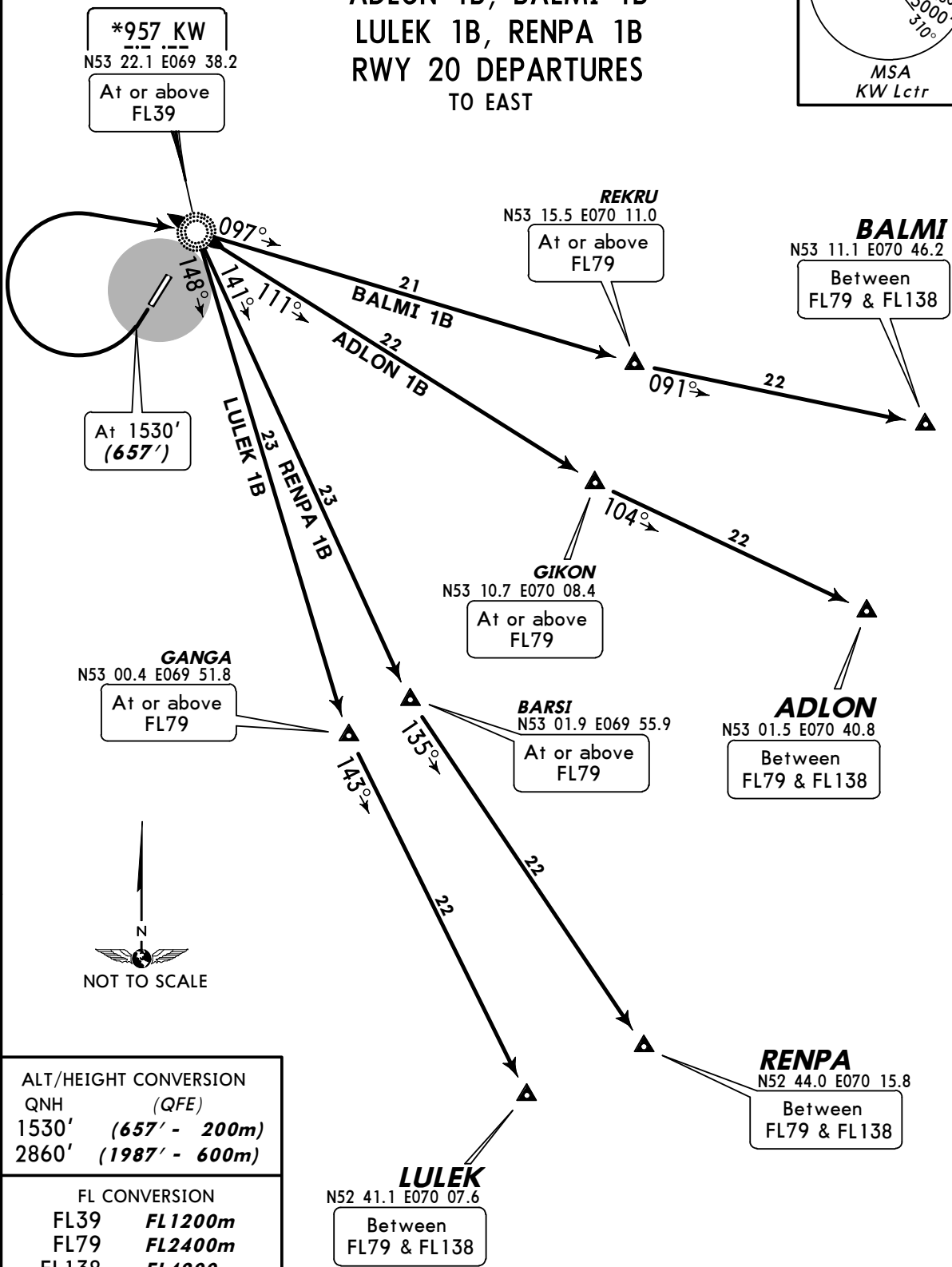
**JEPPESEN** **KOKSHETAU, KAZAKHSTAN**  
 16 JUL 10 **(10-3C)** **Eff 29 Jul**

**SID**

**Apt Elev**  
**886'** **QNH on request (QFE)**  
 Trans level: FL39 Trans alt: 2860' **(1987')**



**ADLON 1B, BALMI 1B**  
**LULEK 1B, RENPA 1B**  
**RWY 20 DEPARTURES**  
**TO EAST**



| SID             | ROUTING                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------|
| <b>ADLON 1B</b> | Climb to 1530' (657'), turn RIGHT to KW, 111° bearing to GIKON, turn LEFT, 104° track to ADLON.  |
| <b>BALMI 1B</b> | Climb to 1530' (657'), turn RIGHT to KW, 097° bearing to REKRU, turn LEFT, 091° track to BALMI.  |
| <b>LULEK 1B</b> | Climb to 1530' (657'), turn RIGHT to KW, 148° bearing to GANGA, turn LEFT, 143° track to LULEK.  |
| <b>RENPA 1B</b> | Climb to 1530' (657'), turn RIGHT to KW, 141° bearing to BARSII, turn LEFT, 135° track to RENPA. |

**UACK/KOV**  
**KOKSHETAU**

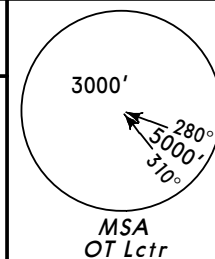
**JEPPESSEN**  
16 JUL 10 **(10-3D)** **Eff 29 Jul**

**KOKSHETAU, KAZAKHSTAN**

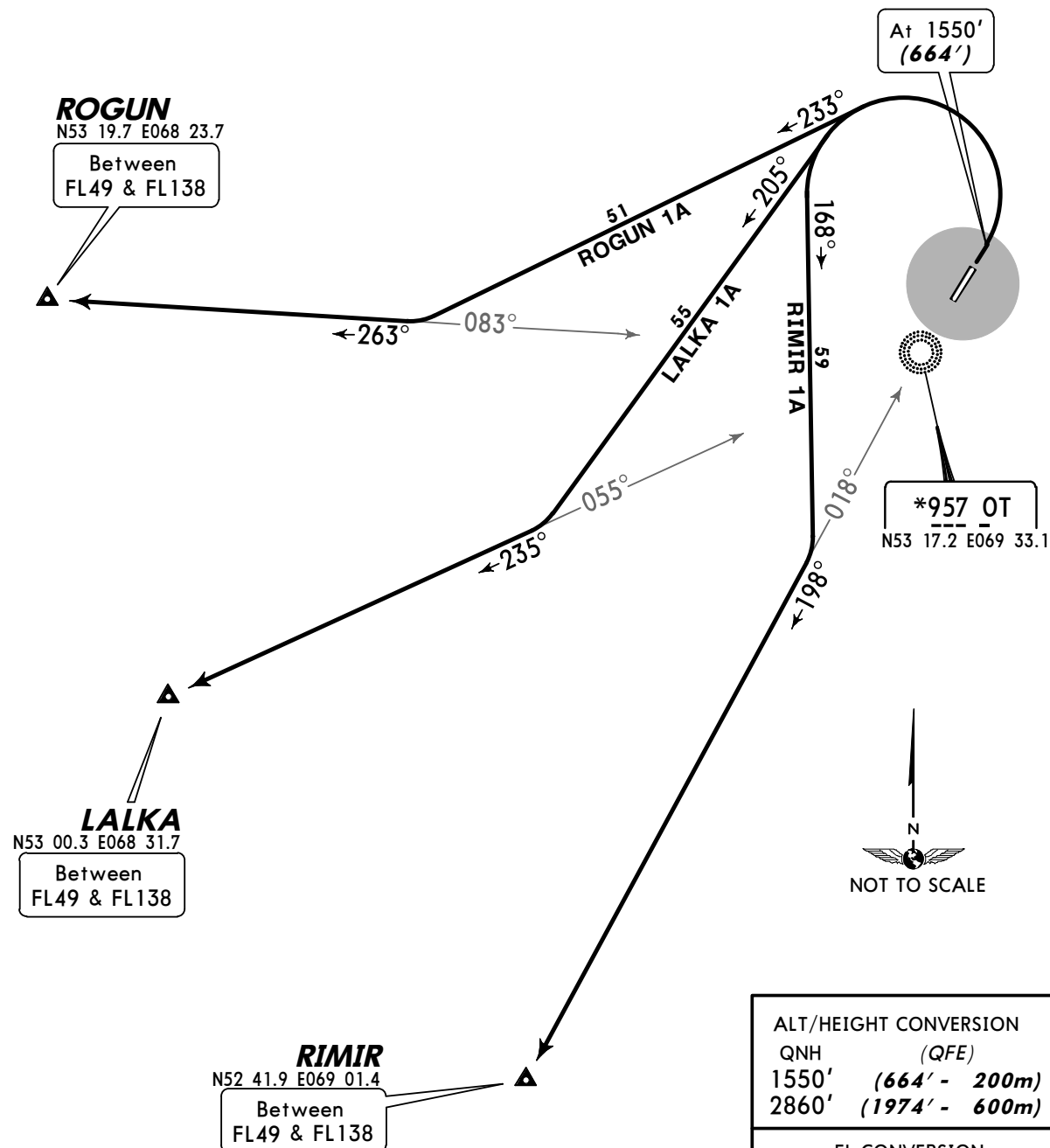
**SID**

**Apt Elev**  
**886'**

QNH on request **(QFE)**  
Trans level: FL39 Trans alt: 2860' **(1974')**



**LALKA 1A**  
**RIMIR 1A**  
**ROGUN 1A**  
**RWY 02 DEPARTURES**  
**TO WEST**



| SID             | ROUTING                                                                                |
|-----------------|----------------------------------------------------------------------------------------|
| <b>LALKA 1A</b> | Climb to 1550' (664'), turn LEFT, 205° track, intercept 235° bearing from OT to LALKA. |
| <b>RIMIR 1A</b> | Climb to 1550' (664'), turn LEFT, 168° track, intercept 198° bearing from OT to RIMIR. |
| <b>ROGUN 1A</b> | Climb to 1550' (664'), turn LEFT, 233° track, intercept 263° bearing from OT to ROGUN. |

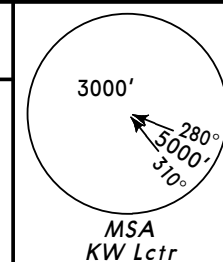
**UACK/KOV**  
**KOKSHETAU**

**JEPPesen**  
16 JUL 10 **(10-3E)** **Eff 29 Jul**

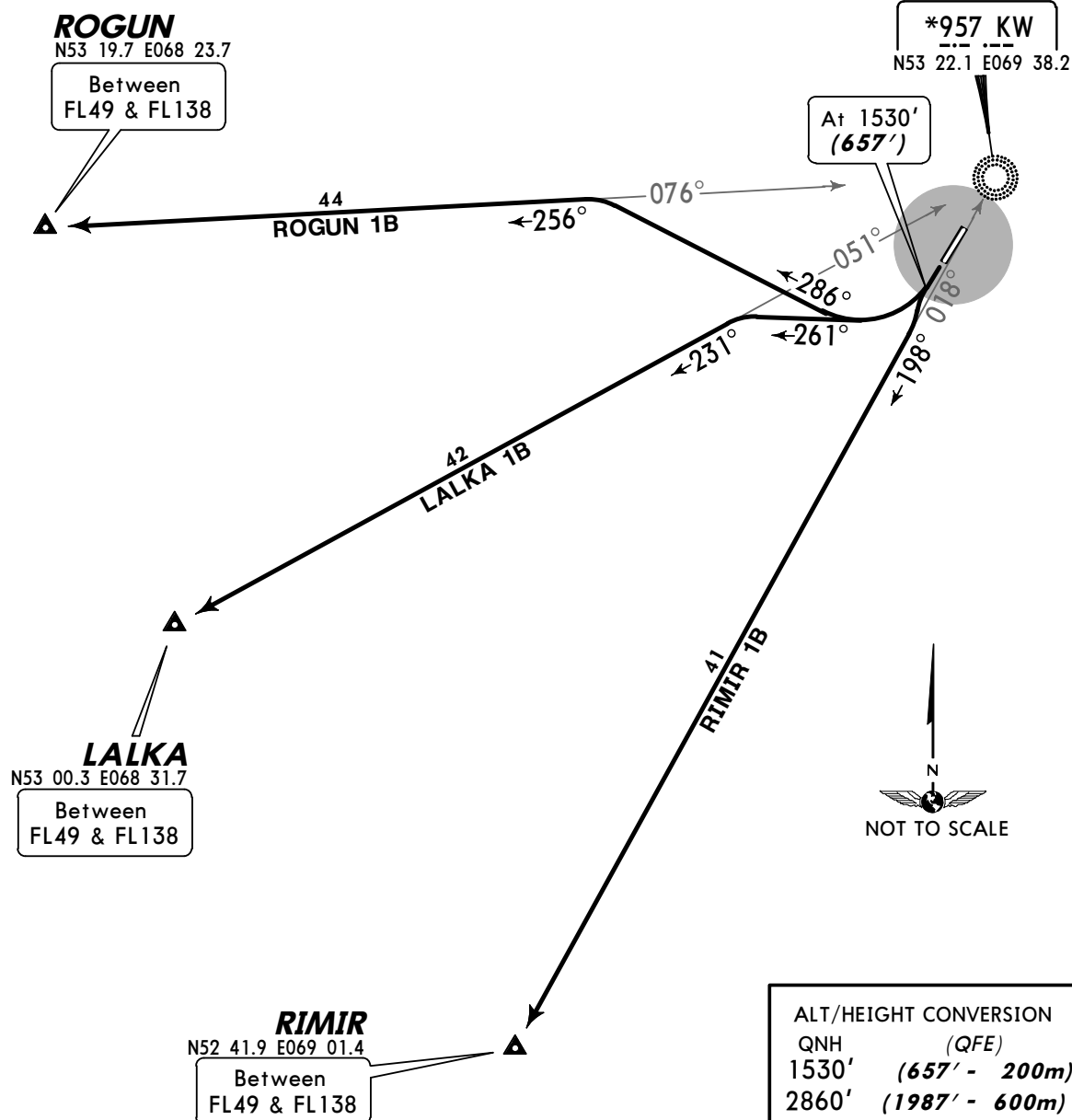
**KOKSHETAU, KAZAKHSTAN**

**SID**

**Apt Elev**  
**886'** **QNH on request (QFE)**  
Trans level: FL39 Trans alt: 2860' **(1987')**



**LALKA 1B**  
**RIMIR 1B**  
**ROGUN 1B**  
**RWY 20 DEPARTURES**  
**TO WEST**



| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 1530'                 | (657' - 200m)  |
| 2860'                 | (1987' - 600m) |
| FL CONVERSION         |                |
| FL39                  | FL1200m        |
| FL49                  | FL1500m        |
| FL138                 | FL4200m        |

| SID             | ROUTING                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------|
| <b>LALKA 1B</b> | Climb to 1530' <b>(657')</b> , turn RIGHT, 261° track, intercept 231° bearing from KW to LALKA. |
| <b>RIMIR 1B</b> | Climb to 1530' <b>(657')</b> , turn LEFT, intercept 198° bearing from KW to RIMIR.              |
| <b>ROGUN 1B</b> | Climb to 1530' <b>(657')</b> , turn RIGHT, 286° track, intercept 256° bearing from KW to ROGUN. |

**UACK/KOV**

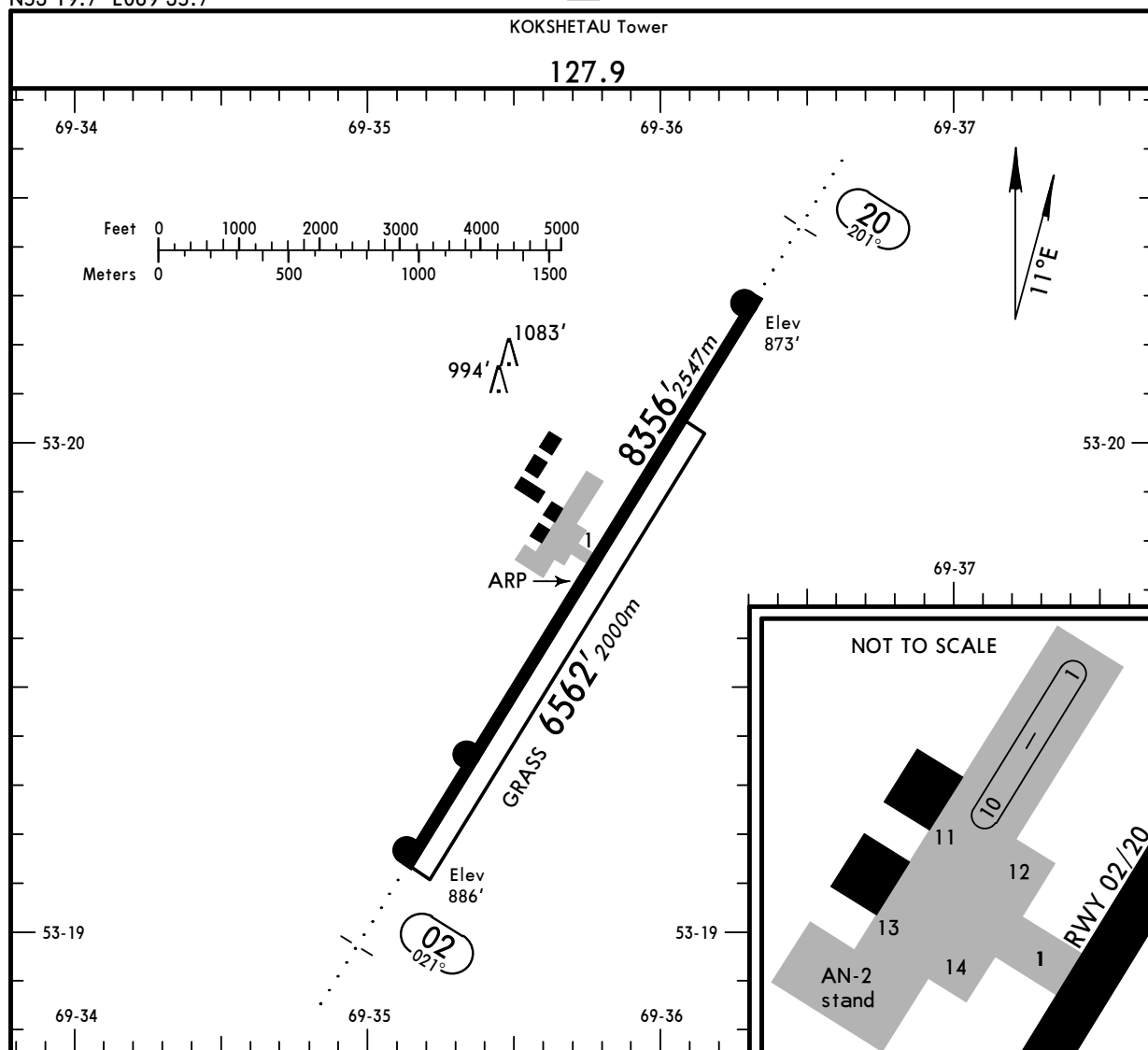
Apt Elev **886'**  
 N53 19.7 E069 35.7



**JEPPESSEN KOKSHETAU, KAZAKHSTAN**

8 MAY 09 **(10-9)**

**KOKSHETAU**



**ADDITIONAL RUNWAY INFORMATION**

| RWY |                | USABLE LENGTHS |                               | TAKE-OFF | WIDTH       |
|-----|----------------|----------------|-------------------------------|----------|-------------|
|     |                | Threshold      | Landing Beyond<br>Glide Slope |          |             |
| 02  | HIRL (60m) ALS |                | 7323' 2232m                   |          | 146'<br>45m |
| 02  | Grass runway   |                |                               |          | 312'<br>95m |
|     |                |                |                               |          |             |
|     |                |                |                               |          |             |
|     |                |                |                               |          |             |

**TAKE-OFF**

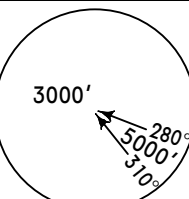
| AIR CARRIER (JAA) |        |       |               |               |
|-------------------|--------|-------|---------------|---------------|
|                   | Rwy 02 |       | Rwy 20        |               |
|                   | DAY    | NIGHT | DAY           | NIGHT         |
|                   |        | RL    | RL            | RCLM          |
| A                 |        |       |               | RL            |
| B                 |        |       |               |               |
| C                 |        |       |               |               |
| D                 |        |       |               |               |
|                   | 2000m  |       | 400m <b>I</b> | 400m <b>I</b> |
|                   |        |       | 500m          | 400m          |

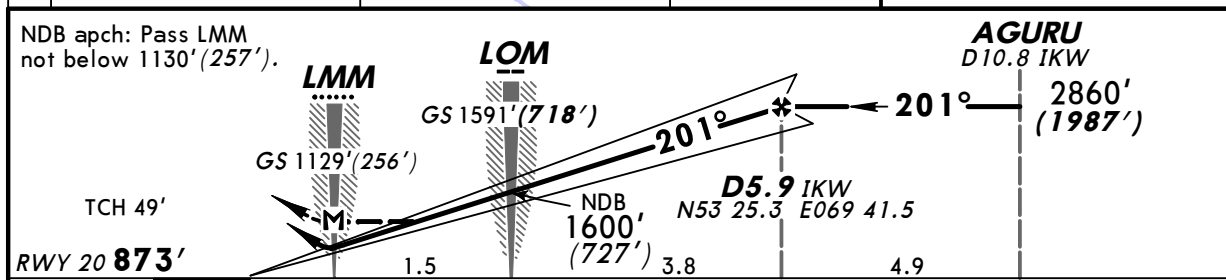
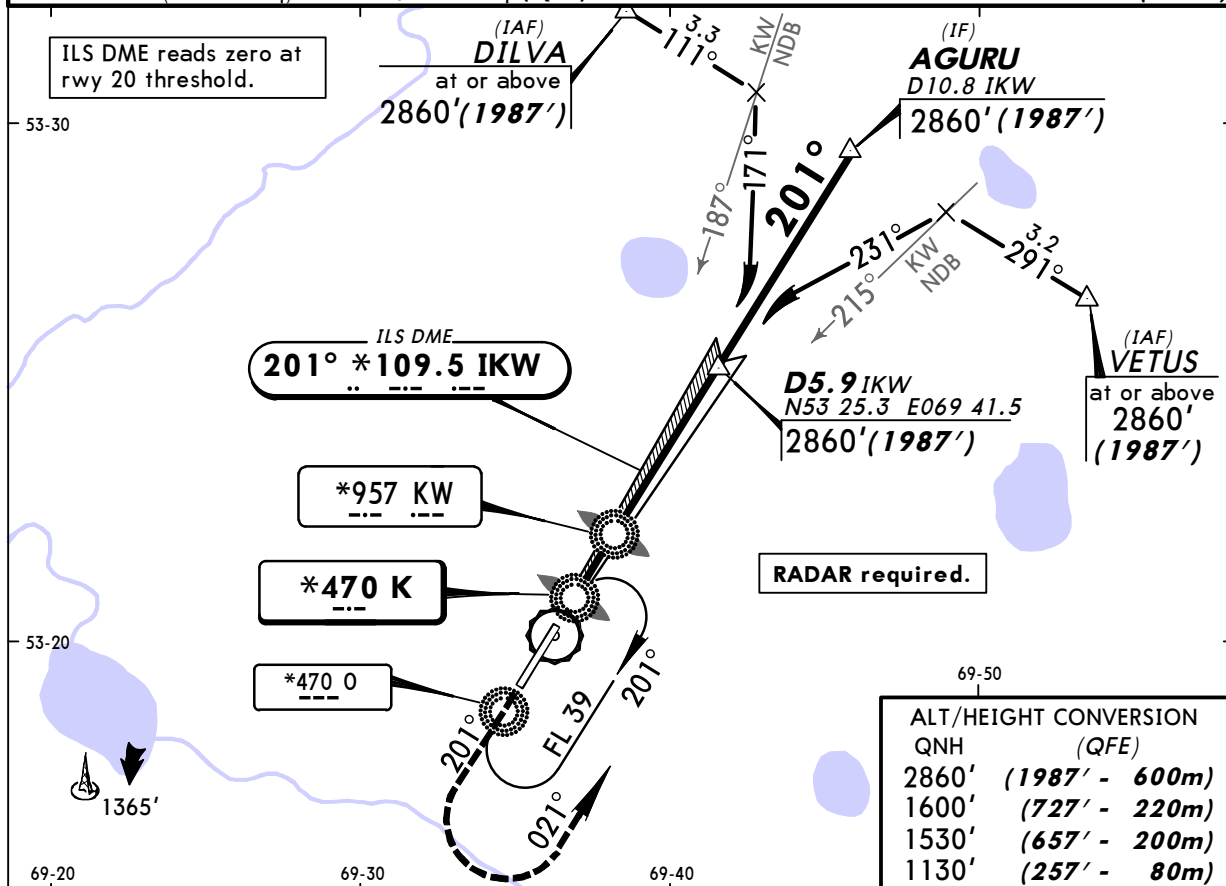
**I** LVP must be in force; 300m.

# UACK/KOV KOKSHETAU

**JEPPesen KOKSHETAU, KAZAKHSTAN**  
26 MAR 10 **11-1** ILS DME Y or 2 NDB Rwy 20  
Eff 8 Apr

BRIEFING STRIP

| KOKSHETAU Tower<br>127.9                                                                                          |                           |                                                    |                                      |                               |                                                                                     |  |
|-------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------|--------------------------------------|-------------------------------|-------------------------------------------------------------------------------------|--|
| LOC<br>IKW<br>*109.5                                                                                              | Final<br>Apch Crs<br>201° | GS<br>LOM<br>1591' (718')                          | ILS<br>DA(H)<br>Refer to<br>Minimums | Apt Elev 886'<br><br>RWY 873' |  |  |
| NDB<br>K<br>*470                                                                                                  |                           | Minimum Alt<br>N53 25.3 E069 41.5<br>2860' (1987') | NDB<br>MDA(H)<br>1210' (337')        |                               |                                                                                     |  |
| MISSED APCH: Climb on 201° to 1530' (657'), then turn LEFT onto 021° climbing to 2860' (1987'), then as directed. |                           |                                                    |                                      |                               |                                                                                     |  |
| Alt Set: MM (hPa on req)                                                                                          |                           | QNH on req (QFE)                                   |                                      | Trans level: FL 39            |                                                                                     |  |
|                                                                                                                   |                           |                                                    |                                      | Trans alt: 2860' (1987')      |                                                                                     |  |



| Gnd speed-Kts                  | 70  | 90  | 100 | 120 | 140 | 160 | ALS | 1530' (657') | 201° | 021° | 2860' (1987') |
|--------------------------------|-----|-----|-----|-----|-----|-----|-----|--------------|------|------|---------------|
| ILS GS or NDB Desc Angle 3.00° | 377 | 484 | 538 | 646 | 753 | 861 |     |              |      |      |               |
| MAP at LMM                     |     |     |     |     |     |     |     |              |      |      |               |

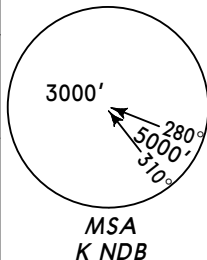
| STRAIGHT-IN LANDING RWY 20   |       |         |  |                |  |                            |  |  |  |
|------------------------------|-------|---------|--|----------------|--|----------------------------|--|--|--|
| ILS                          |       |         |  | LOC (GS out)   |  | NDB                        |  |  |  |
| <i>DA(H)</i> AB:1073' (200') |       |         |  |                |  | <i>MDA(H)</i> 1210' (337') |  |  |  |
| CD:1103' (230')              |       |         |  |                |  |                            |  |  |  |
| FULL                         |       | ALS out |  |                |  | ALS out                    |  |  |  |
| A                            | 1200m |         |  | NOT AUTHORIZED |  | 1600m                      |  |  |  |
| B                            |       |         |  |                |  |                            |  |  |  |
| C                            |       |         |  |                |  |                            |  |  |  |
| D                            |       |         |  |                |  |                            |  |  |  |

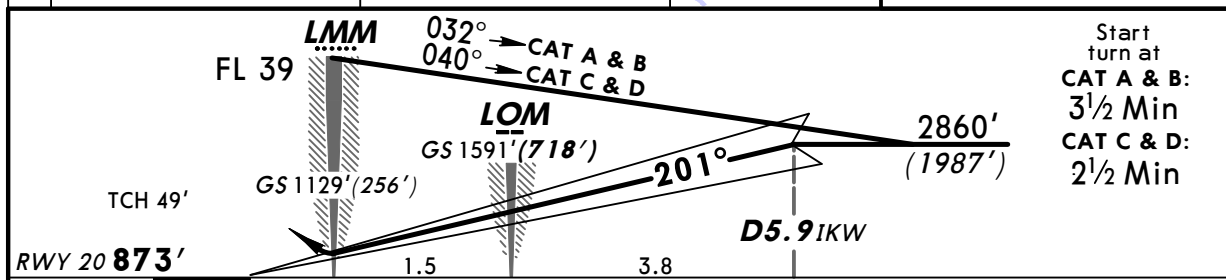
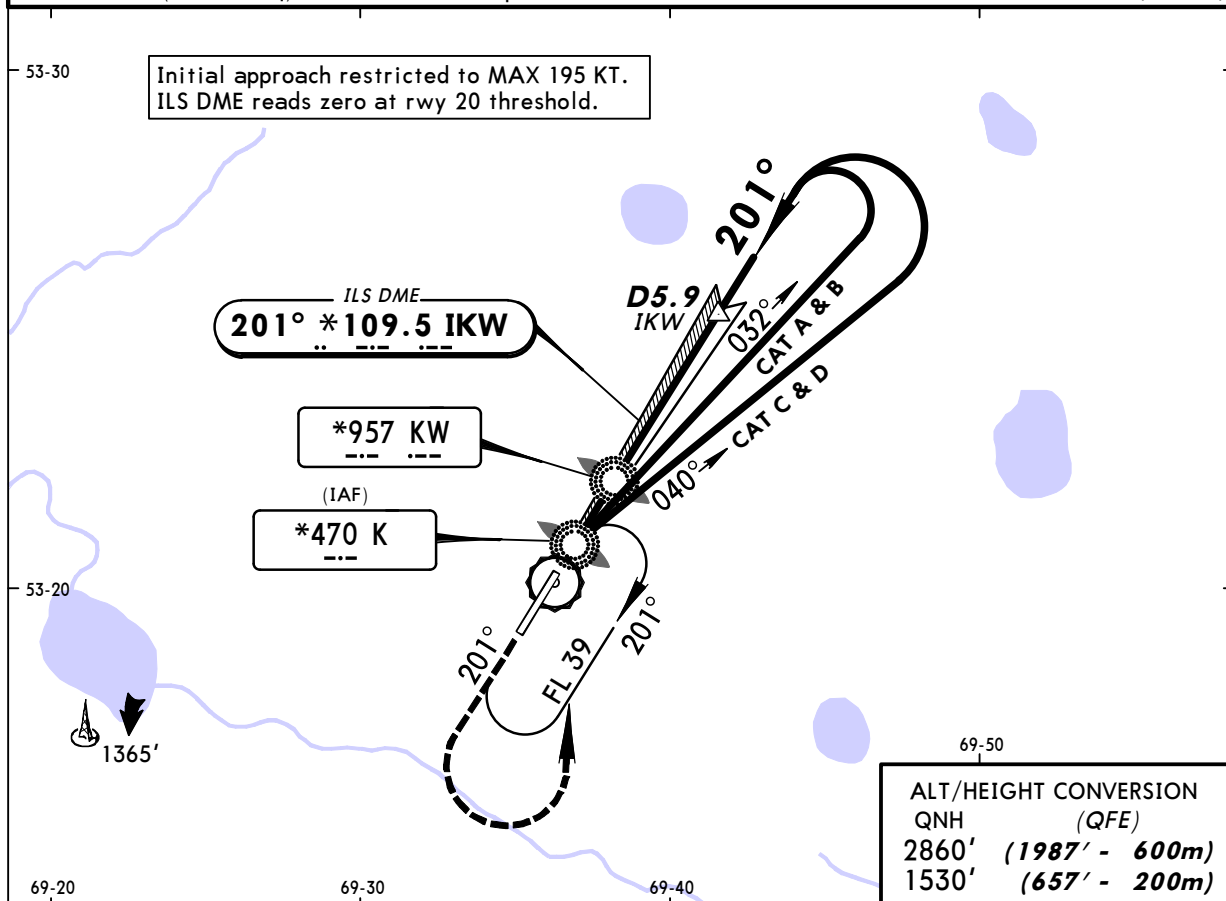
PANS OPS

**UACK/KOV**  
**KOKSHETAU**

**JEPPesen KOKSHETAU, KAZAKHSTAN**  
26 MAR 10 **11-2** **Eff 8 Apr** **ILS DME X Rwy 20**

BRIEFING STRIP

| KOKSHETAU Tower<br>127.9                                                                                                                                                                                                                                                                                             |                           |                           |                                      |                           |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|--------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| LOC<br>IKW<br>*109.5                                                                                                                                                                                                                                                                                                 | Final<br>Apch Crs<br>201° | GS<br>LOM<br>1591' (718') | ILS<br>DA(H)<br>Refer to<br>Minimums | Apt Elev 886'<br>RWY 873' |                                                                                     |
| <b>MISSED APCH:</b> Climb on 201° to 1530' (657') or above. After passing LMM maintain 201° for 1 Min 30 Sec, then turn LEFT to LMM. Climb initially to 2860' (1987'), then as directed.<br><b>MISSED APCH WITH COMM FAILURE:</b> Climb to FL39 to LMM and join holding. Missed approach turn limited to MAX 225 KT. |                           |                           |                                      |                           |                                                                                     |
| Alt Set: MM (hPa on req)                                                                                                                                                                                                                                                                                             |                           | QNH on req (QFE)          |                                      | Trans level: FL 39        | Trans alt: 2860' (1987')                                                            |



|     |                            |
|-----|----------------------------|
| ALS | Refer to Missed Apch above |
|-----|----------------------------|

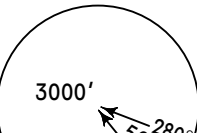
| STRAIGHT-IN LANDING RWY 20 |                  | LOC (GS out) |  |
|----------------------------|------------------|--------------|--|
| ILS                        | DA(H)            |              |  |
| AB: 1073' (200')           | CD: 1103' (230') |              |  |
| FULL                       | ALS out          |              |  |
| A                          |                  |              |  |
| B                          |                  |              |  |
| C                          |                  |              |  |
| D                          |                  |              |  |

PANS OPS

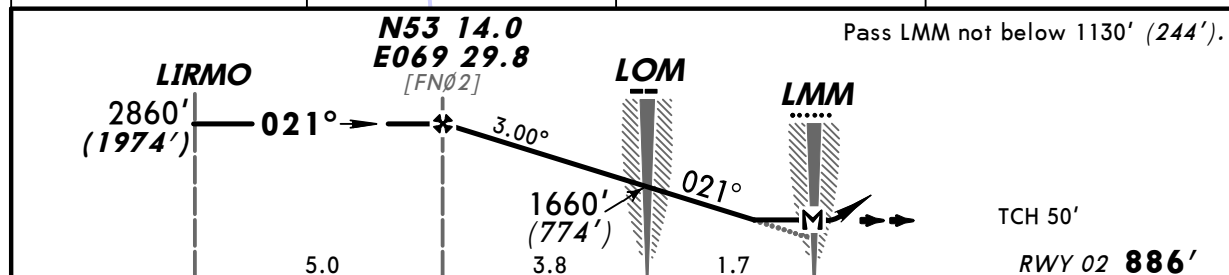
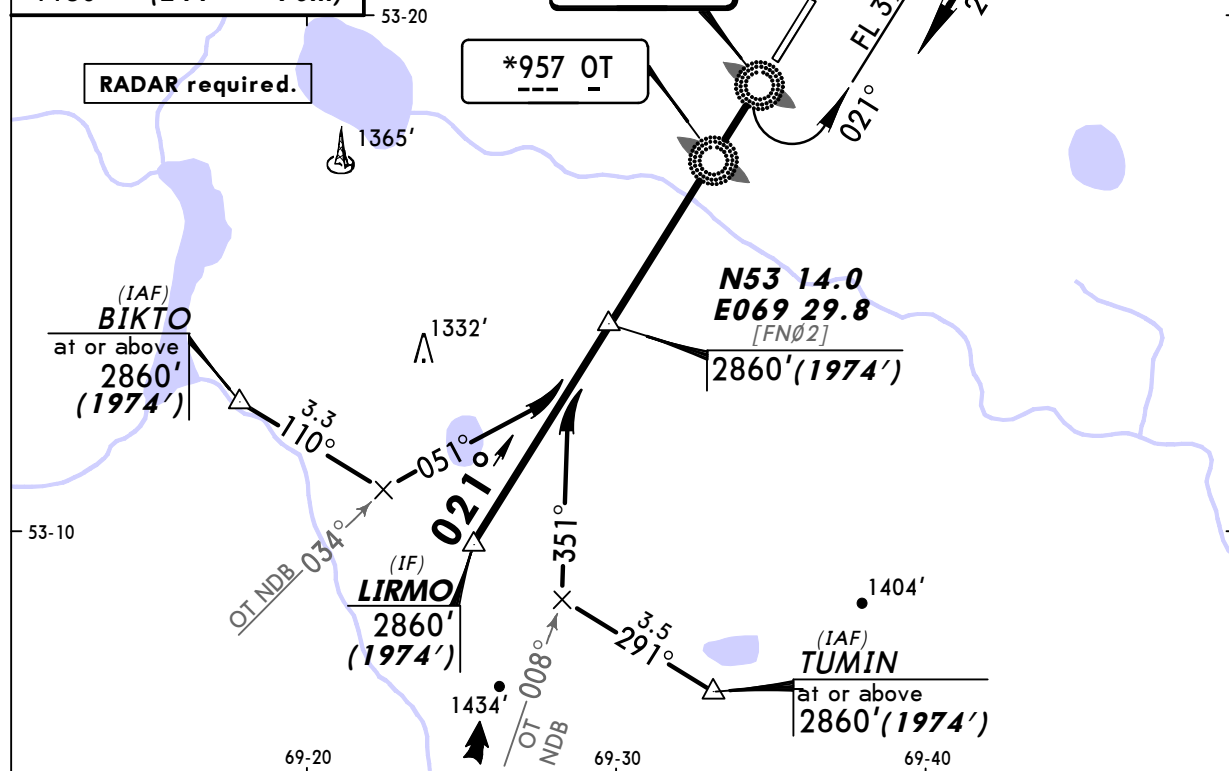
**UACK/KOV**  
**KOKSHETAU**

**JEPPesen KOKSHETAU, KAZAKHSTAN**  
16 JUL 10 **16-1** **Eff 29 Jul**  
**2 NDB Rwy 02**

BRIEFING STRIP™

| KOKSHETAU Tower                                                                                                    |                           |                                                    |                        |                           |  |
|--------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------|------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 127.9                                                                                                              |                           |                                                    |                        |                           |                                                                                     |
| NDB<br>O<br>*470                                                                                                   | Final<br>Apch Crs<br>021° | Minimum Alt<br>N53 14.0 E069 29.8<br>2860' (1974') | MDA(H)<br>1190' (304') | Apt Elev 886'<br>RWY 886' |                                                                                     |
| MISSED APCH: Climb on 021° to 1550' (664'), then turn RIGHT onto 201° climbing to 2860' (1974'), then as directed. |                           |                                                    |                        |                           |                                                                                     |
| Alt Set: MM (hPa on req)                                                                                           |                           | QNH on req (QFE)                                   | Trans level: FL 39     | Trans alt: 2860' (1974')  |                                                                                     |

| ALT/HEIGHT CONVERSION |       |
|-----------------------|-------|
| QNH                   | (QFE) |
| 2860' (1974' - 600m)  |       |
| 1660' (774' - 235m)   |       |
| 1550' (664' - 200m)   |       |
| 1130' (244' - 75m)    |       |



| Gnd speed-Kts       | 70  | 90  | 100 | 120 | 140 | 160 | ALS | 1550' (664') on 021° | 201° | 2860' (1974') |
|---------------------|-----|-----|-----|-----|-----|-----|-----|----------------------|------|---------------|
| Descent angle 3.00° | 372 | 478 | 531 | 637 | 743 | 849 |     |                      |      |               |
| MAP at LMM          |     |     |     |     |     |     |     |                      |      |               |

|                            |       |         |  |
|----------------------------|-------|---------|--|
| STRAIGHT-IN LANDING RWY 02 |       |         |  |
| MDA(H) 1190' (304')        |       |         |  |
|                            |       | ALS out |  |
| A                          | 1600m |         |  |
| B                          |       |         |  |
| C                          |       |         |  |
| D                          |       |         |  |

PANS OPS

**UACK/KOV**  
**KOKSHETAU**



**JEPPESSEN KOKSHETAU, KAZAKHSTAN**  
16 JUL 10 **(16-2)** **Eff 29 Jul** **NDB Rwy 02**

16 JUL 10 (16-2)

**Eff 29 Jul**

NDB Rwy 02

**BRIEFING STRIP™**

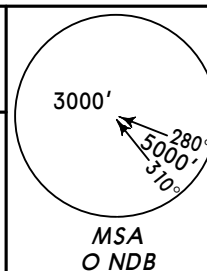
KOKSHETAU Tower

127.9

|                  |                           |                       |                                |                         |
|------------------|---------------------------|-----------------------|--------------------------------|-------------------------|
| NDB<br>O<br>*470 | Final<br>Apch Crs<br>021° | Minimum Alt<br>No FAF | MDA(H)<br>Refer to<br>Minimums | Apt Elev 886<br>RWY 886 |
|------------------|---------------------------|-----------------------|--------------------------------|-------------------------|

**MISSED APCH:** Climb on 021° to 1550' (664') or above. After passing LMM maintain 021° for 1 Min 30 Sec, then turn RIGHT to LMM. Climb initially to 2860' (1974'), then as directed.

**MISSED APCH WITH COMM FAILURE: Climb to FL39 to LMM and join holding.** Missed approach turn limited to MAX 225 KT.

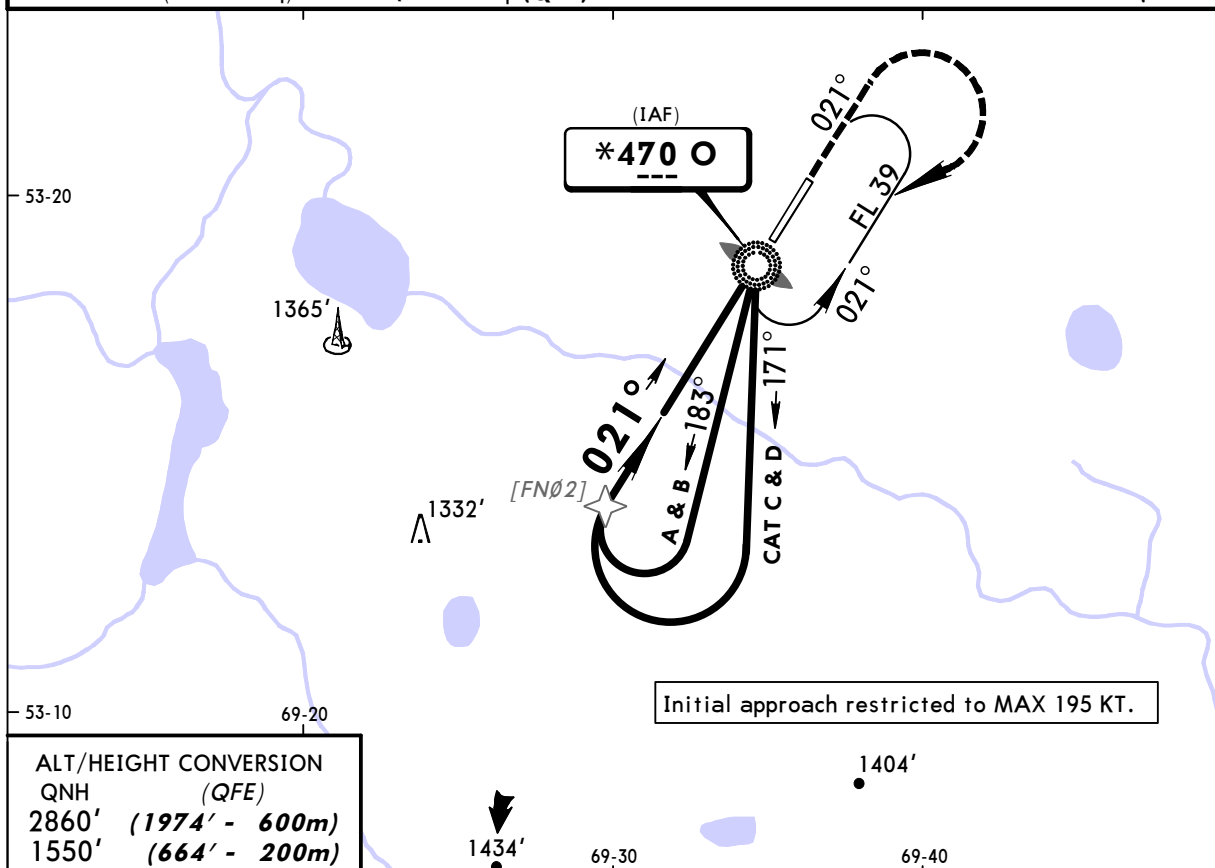


Alt Set: MM (hPa on req)

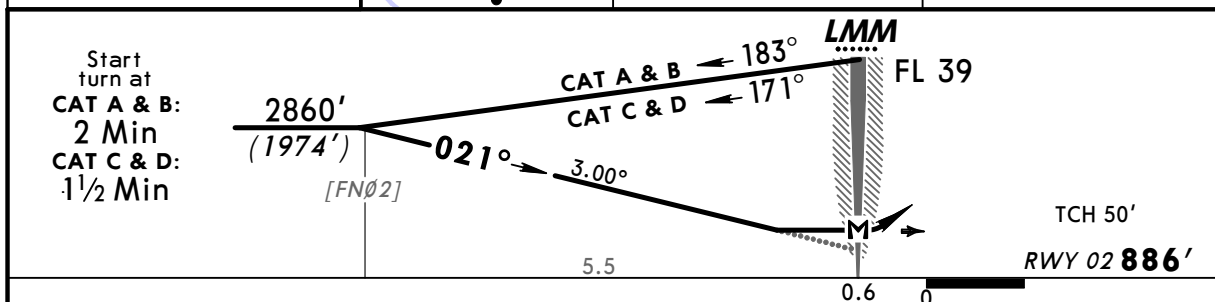
QNH on req (**QFE**)

Trans level: FL 39

Trans alt: 2860' (1974')



| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 2860'                 | (1974' - 600m) |
| 1550'                 | (664' - 200m)  |



|                            |     |     |     |     |     |     |
|----------------------------|-----|-----|-----|-----|-----|-----|
| <i>Gnd speed-Kts</i>       | 70  | 90  | 100 | 120 | 140 | 160 |
| <i>Descent Angle 3.00°</i> | 372 | 478 | 531 | 637 | 743 | 849 |
| <i>MAP at LMM</i>          |     |     |     |     |     |     |
|                            |     |     |     |     |     |     |

ALS  
[redacted]  
.....  
+  
.....

Refer to  
Missed Apch  
above

STRAIGHT-IN LANDING RWY 02

$MDA(H)$  AB: 1550' (**664'**) CD: 1880' (**994'**)

---

ALS out

|   |       |
|---|-------|
| A | 2500m |
| B |       |
| C | 5000m |
| D |       |

## PANS OPS

**CHANGES:** None.

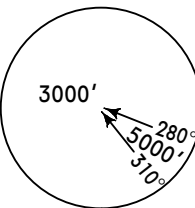
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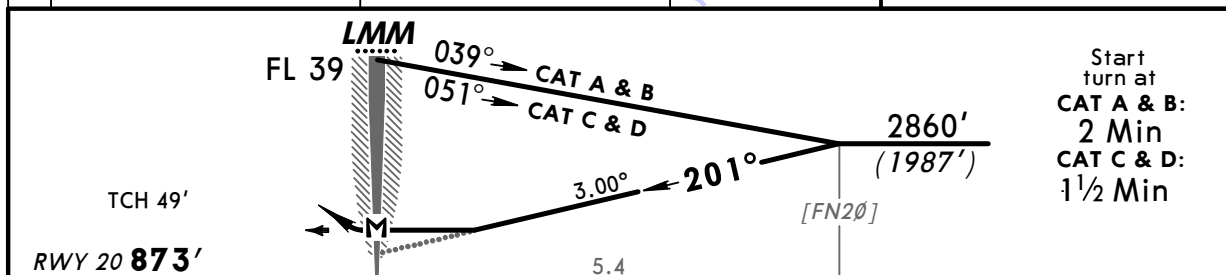
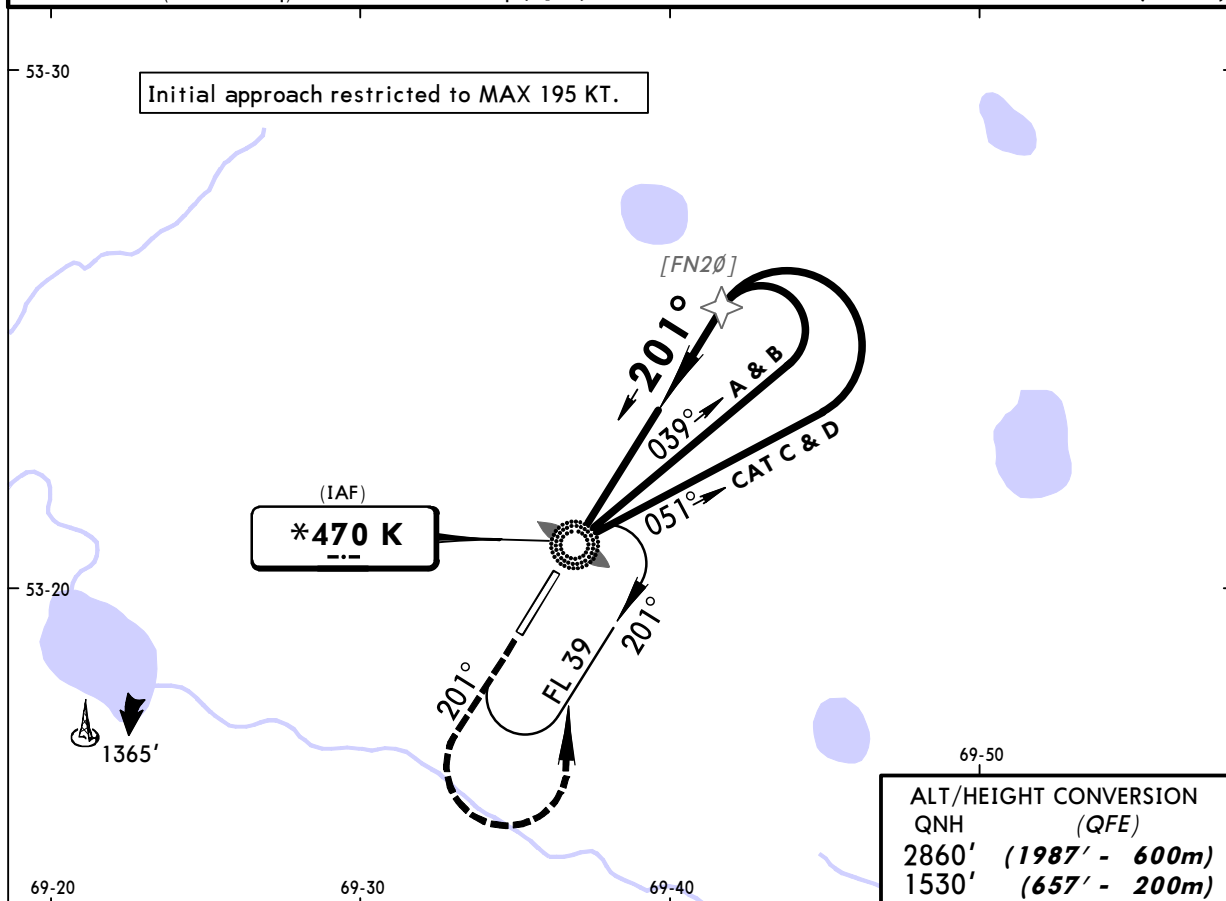
**UACK/KOV**  
**KOKSHETAU**



**JEPPesen KOKSHETAU, KAZAKHSTAN**  
26 MAR 10 **(16-3)** **Eff 8 Apr** **NDB Rwy 20**

BRIEFING STRIP

|                                                                                                                                                                                                                                                                                                                      |                           |                       |                                |                               |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|--------------------------------|-------------------------------|-------------------------------------------------------------------------------------|
| KOKSHETAU Tower<br>127.9                                                                                                                                                                                                                                                                                             |                           |                       |                                |                               |  |
| NDB<br>K<br>*470                                                                                                                                                                                                                                                                                                     | Final<br>Apch Crs<br>201° | Minimum Alt<br>No FAF | MDA(H)<br>Refer to<br>Minimums | Apt Elev 886'<br><br>RWY 873' |                                                                                     |
| <b>MISSED APCH:</b> Climb on 201° to 1530' (657') or above. After passing LMM maintain 201° for 1 Min 30 Sec, then turn LEFT to LMM. Climb initially to 2860' (1987'), then as directed.<br><b>MISSED APCH WITH COMM FAILURE:</b> Climb to FL39 to LMM and join holding. Missed approach turn limited to MAX 225 KT. |                           |                       |                                |                               |                                                                                     |
| Alt Set: MM (hPa on req)                                                                                                                                                                                                                                                                                             |                           | QNH on req (QFE)      | Trans level: FL 39             | Trans alt: 2860' (1987')      |                                                                                     |



| Gnd speed-Kts       | 70  | 90  | 100 | 120 | 140 | 160 |  | Refer to<br>Missed Apch<br>above |
|---------------------|-----|-----|-----|-----|-----|-----|---------------------------------------------------------------------------------------|----------------------------------|
| Descent Angle 3.00° | 372 | 478 | 531 | 637 | 743 | 849 |                                                                                       |                                  |
| MAP at LMM          |     |     |     |     |     |     |                                                                                       |                                  |

|                            |       |         |  |
|----------------------------|-------|---------|--|
| STRAIGHT-IN LANDING RWY 20 |       |         |  |
| AB: 1530' (657')           |       |         |  |
| MDA(H) CD: 1860' (987')    |       |         |  |
|                            |       | ALS out |  |
| A                          | 2500m |         |  |
| B                          |       |         |  |
| C                          | 5000m |         |  |
| D                          |       |         |  |

PANS OPS