

**ADD = Added chart, REV = Revised chart, DEL = Deleted chart.**

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

## **TERMINAL CHART NOTAMs**

**No Chart NOTAMs for Airport UATE**

**General Info**

Aktau, KAZ

N 43° 51.6' E 51° 05.5' Mag Var: 6.0°E

Elevation: 72'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: Jet, Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+5:00 no DST

**Runway Info**

Runway 12-30 8701' x 148' asphalt

Runway 12 (116.0°M) TDZE 69'

Lights: Edge, ALS

Runway 30 (296.0°M) TDZE 52'

Lights: Edge, ALS

**Communications Info**ATIS **130.1**ATIS **126.2** Non-EnglishAktau Tower **120.7**Aktau Approach Control **134.3****Notebook Info**

**UATE/SCO**  
**AKTAU**

**JEPPesen**  
15 APR 11 **(10-1R)**

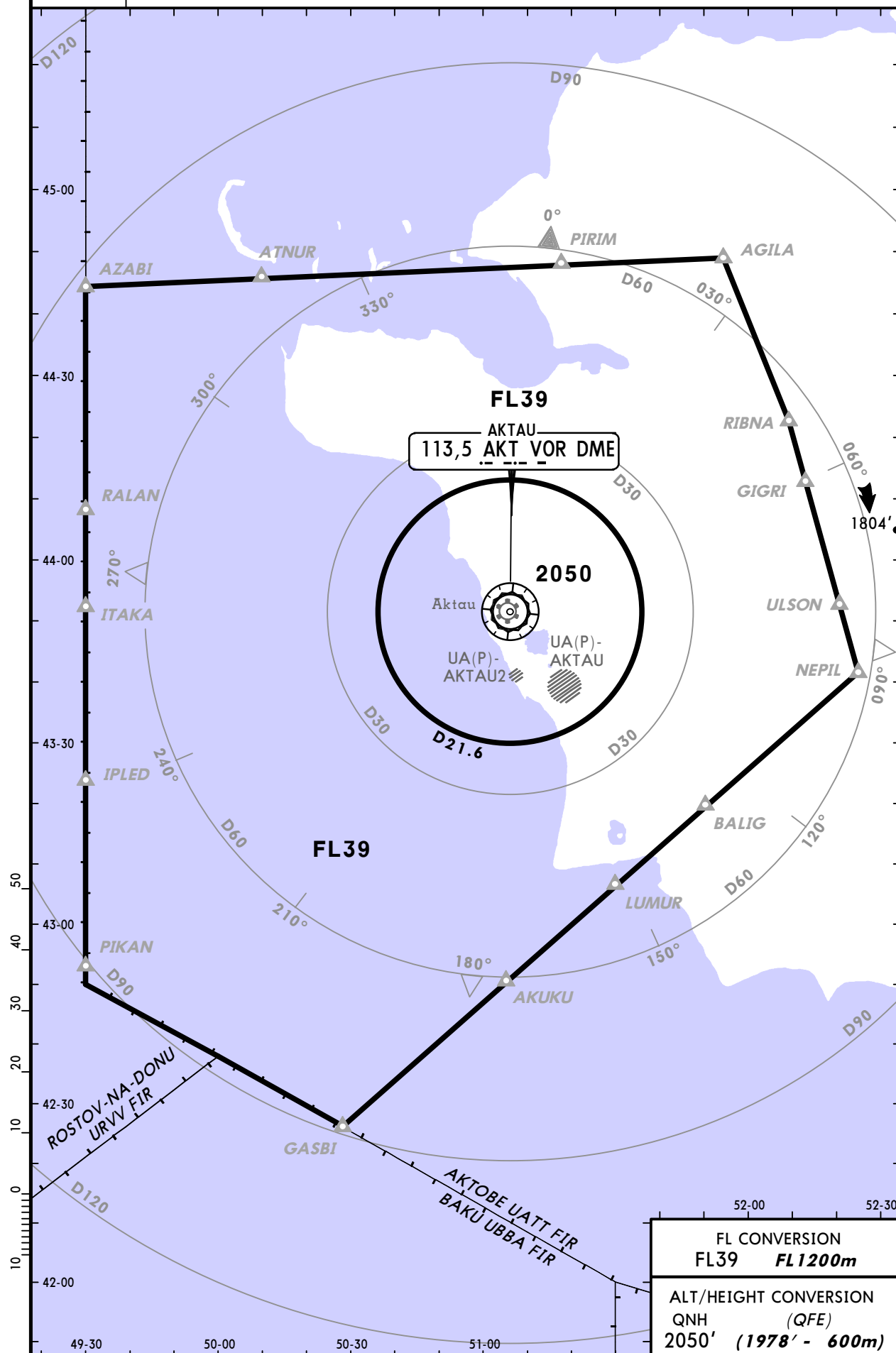
**AKTAU, KAZAKHSTAN**  
**RADAR MINIMUM ALTITUDES**

*Apt Elev*  
**72'**

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

Trans level: FL39 Trans alt: 2050' **(1978')**

This chart may only be used for cross-checking of altitudes assigned while under radar control.



**UATE/SCO**  
**AKTAU**

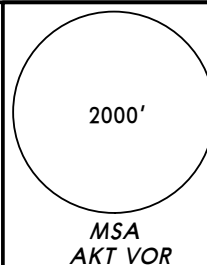
**JEPPESSEN**  
 1 APR 11 **10-2** Eff 7 Apr

**AKTAU, KAZAKHSTAN**

**STAR**

|                                      |                        |                                                                                                                                            |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br><b>130.1</b> (Russian 126.2) | Apt Elev<br><b>72'</b> | Alt Set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL39 Trans alt: 2050' (1981')<br>Crossings at airway exit points by ATC. |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

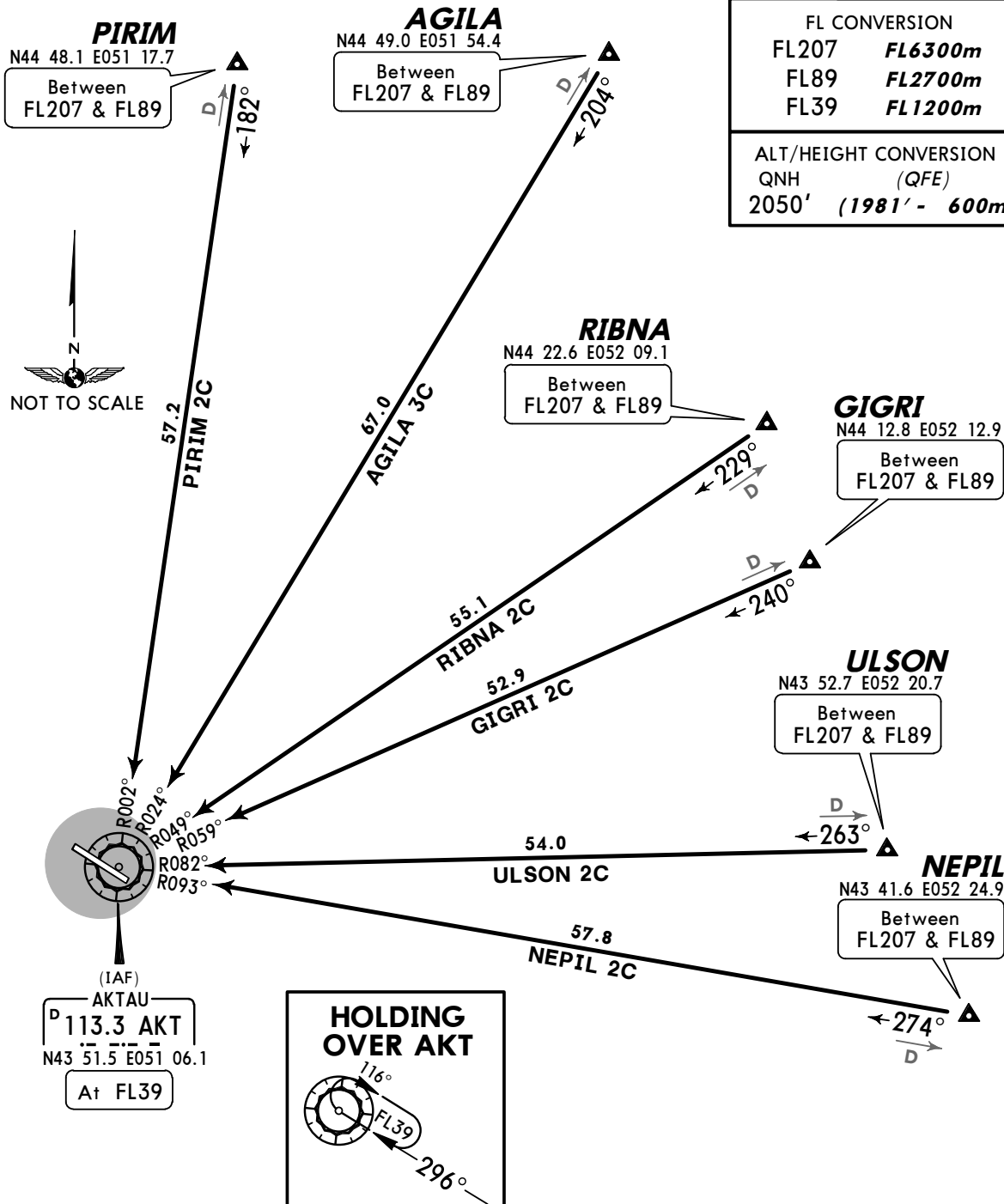
**AGILA 3C [AGIL3C], GIGRI 2C [GIGR2C]  
 NEPIL 2C [NEPI2C], PIRIM 2C [PIRI2C]  
 RIBNA 2C [RIBN2C], ULSON 2C [ULSO2C]  
 RWY 12 ARRIVALS  
 FROM NORTH & EAST**



| FL CONVERSION |                |
|---------------|----------------|
| FL207         | <b>FL6300m</b> |
| FL89          | <b>FL2700m</b> |
| FL39          | <b>FL1200m</b> |

| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 2050'                 | (1981' - 600m) |



| STAR            | ROUTING                             |
|-----------------|-------------------------------------|
| <b>AGILA 3C</b> | Intercept AKT R-024 inbound to AKT. |
| <b>GIGRI 2C</b> | Intercept AKT R-059 inbound to AKT. |
| <b>NEPIL 2C</b> | Intercept AKT R-093 inbound to AKT. |
| <b>PIRIM 2C</b> | Intercept AKT R-002 inbound to AKT. |
| <b>RIBNA 2C</b> | Intercept AKT R-049 inbound to AKT. |
| <b>ULSON 2C</b> | Intercept AKT R-082 inbound to AKT. |

**UATE/SCO**  
**AKTAU**

**JEPPESSEN**  
1 APR 11 **(10-2A)** Eff 7 Apr

**AKTAU, KAZAKHSTAN**

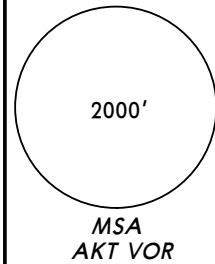
**STAR**

ATIS  
**130.1** (Russian 126.2)

Apt Elev  
**72'**

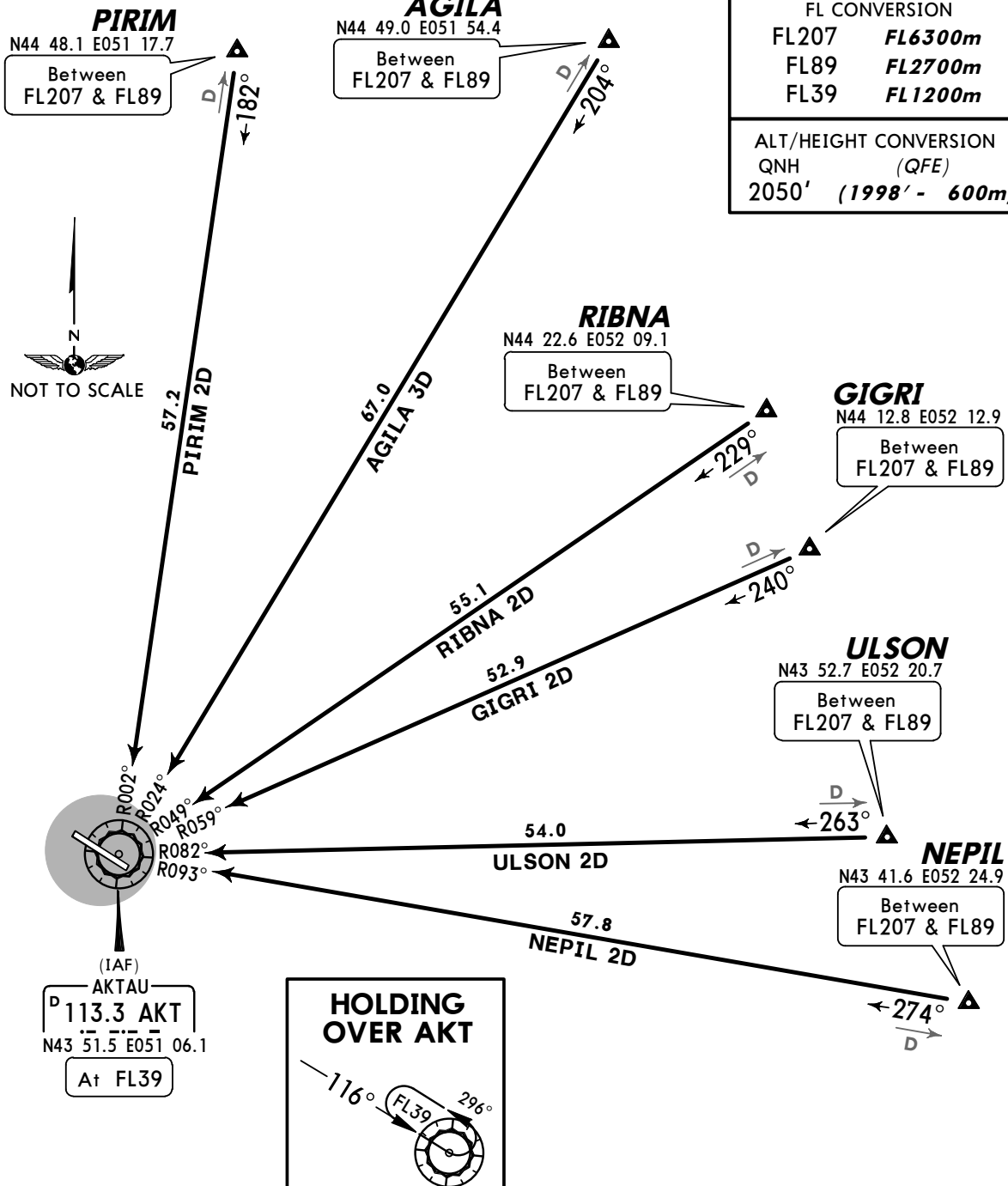
Alt Set: MM (hPa on request) QNH on request (QFE)  
Trans level: FL39 Trans alt: 2050' (1998')  
Crossings at airway exit points by ATC.

**AGILA 3D [AGIL3D], GIGRI 2D [GIGR2D]**  
**NEPIL 2D [NEPI2D], PIRIM 2D [PIRI2D]**  
**RIBNA 2D [RIBN2D], ULSON 2D [ULSO2D]**  
**RWY 30 ARRIVALS**  
**FROM NORTH & EAST**



FL CONVERSION  
FL207 **FL6300m**  
FL89 **FL2700m**  
FL39 **FL1200m**

ALT/HEIGHT CONVERSION  
QNH (QFE)  
2050' (1998' - 600m)



| STAR            | ROUTING                             |
|-----------------|-------------------------------------|
| <b>AGILA 3D</b> | Intercept AKT R-024 inbound to AKT. |
| <b>GIGRI 2D</b> | Intercept AKT R-059 inbound to AKT. |
| <b>NEPIL 2D</b> | Intercept AKT R-093 inbound to AKT. |
| <b>PIRIM 2D</b> | Intercept AKT R-002 inbound to AKT. |
| <b>RIBNA 2D</b> | Intercept AKT R-049 inbound to AKT. |
| <b>ULSON 2D</b> | Intercept AKT R-082 inbound to AKT. |

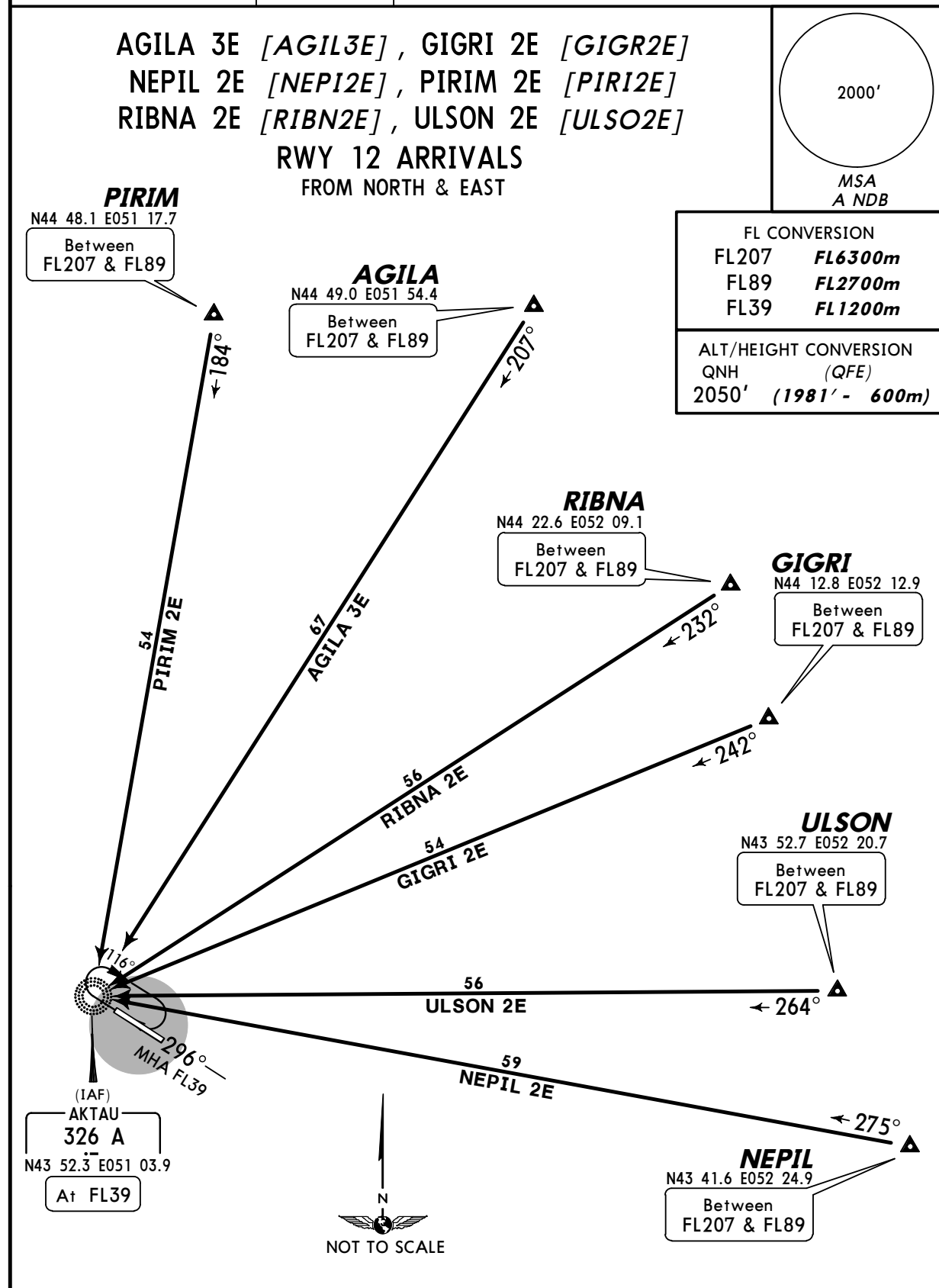
UATE/SCO  
 AKTAU

**JEPPESSEN**  
 1 APR 11 **10-2B** Eff 7 Apr

**AKTAU, KAZAKHSTAN**

**STAR**

|                                      |                        |                                                                                                                                            |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br><b>130.1</b> (Russian 126.2) | Apt Elev<br><b>72'</b> | Alt Set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL39 Trans alt: 2050' (1981')<br>Crossings at airway exit points by ATC. |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|



| STAR            | ROUTING               |
|-----------------|-----------------------|
| <b>AGILA 3E</b> | On 207° bearing to A. |
| <b>GIGRI 2E</b> | On 242° bearing to A. |
| <b>NEPIL 2E</b> | On 275° bearing to A. |
| <b>PIRIM 2E</b> | On 184° bearing to A. |
| <b>RIBNA 2E</b> | On 232° bearing to A. |
| <b>ULSON 2E</b> | On 264° bearing to A. |

**UATE/SCO**  
**AKTAU**

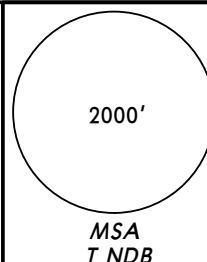
**JEPPesen**  
 1 APR 11 **10-2C** Eff 7 Apr

**AKTAU, KAZAKHSTAN**

**STAR**

|                                      |                        |                                                                                                                                            |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br><b>130.1</b> (Russian 126.2) | Apt Elev<br><b>72'</b> | Alt Set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL39 Trans alt: 2050' (1998')<br>Crossings at airway exit points by ATC. |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

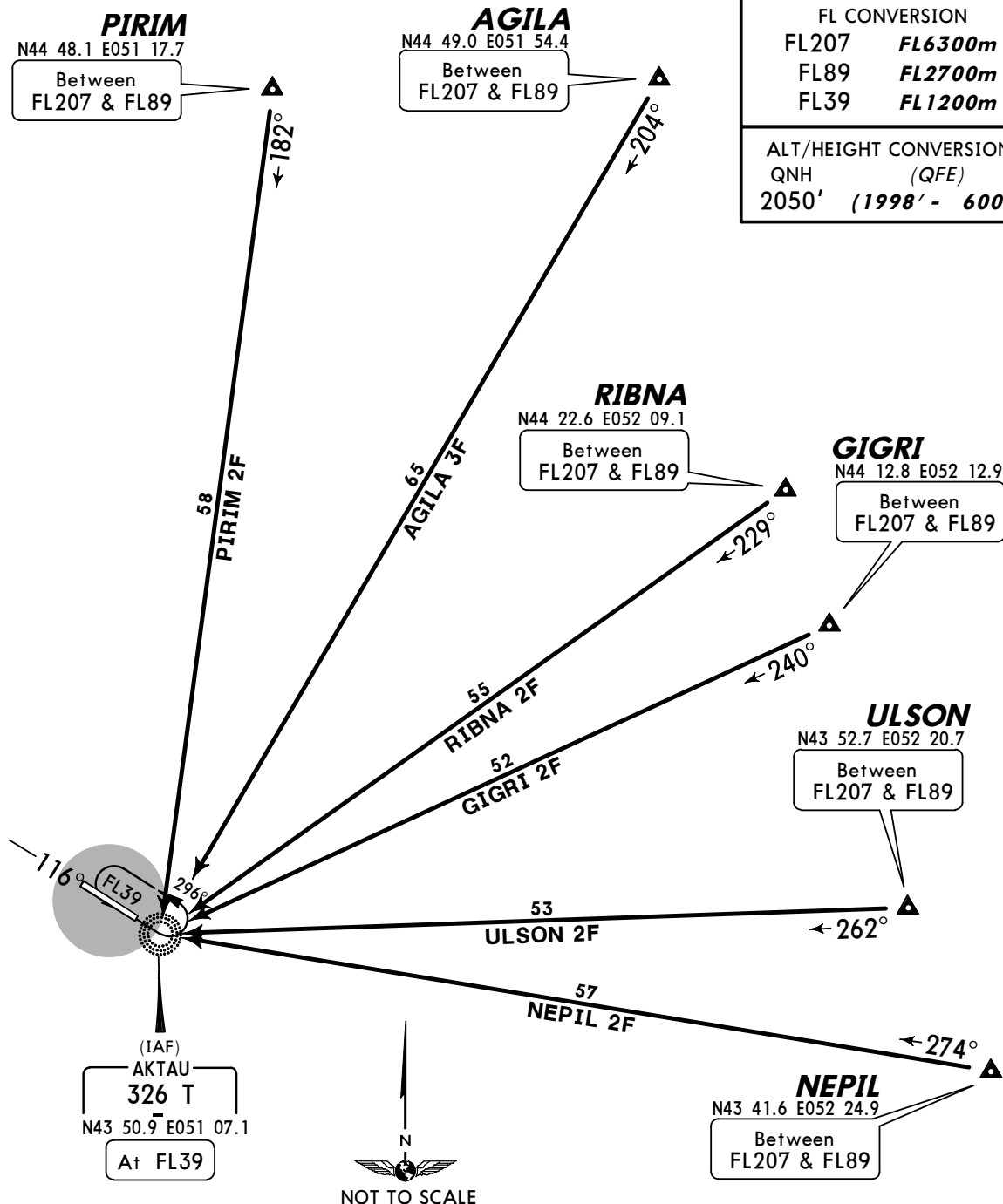
**AGILA 3F [AGIL3F] , GIGRI 2F [GIGR2F]**  
**NEPIL 2F [NEPI2F] , PIRIM 2F [PIRI2F]**  
**RIBNA 2F [RIBN2F] , ULSON 2F [ULSO2F]**  
**RWY 30 ARRIVALS**  
**FROM NORTH & EAST**



| FL CONVERSION |                |
|---------------|----------------|
| FL207         | <b>FL6300m</b> |
| FL89          | <b>FL2700m</b> |
| FL39          | <b>FL1200m</b> |

| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 2050'                 | (1998' - 600m) |



| STAR            | ROUTING               |
|-----------------|-----------------------|
| <b>AGILA 3F</b> | On 204° bearing to T. |
| <b>GIGRI 2F</b> | On 240° bearing to T. |
| <b>NEPIL 2F</b> | On 274° bearing to T. |
| <b>PIRIM 2F</b> | On 182° bearing to T. |
| <b>RIBNA 2F</b> | On 229° bearing to T. |
| <b>ULSON 2F</b> | On 262° bearing to T. |

**UATE/SCO**  
**AKTAU**

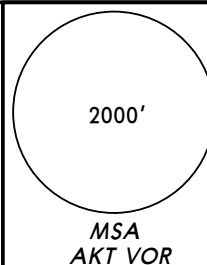
**JEPPesen**  
 1 APR 11 **(10-2D)** **Eff 7 Apr**

**AKTAU, KAZAKHSTAN**

**STAR**

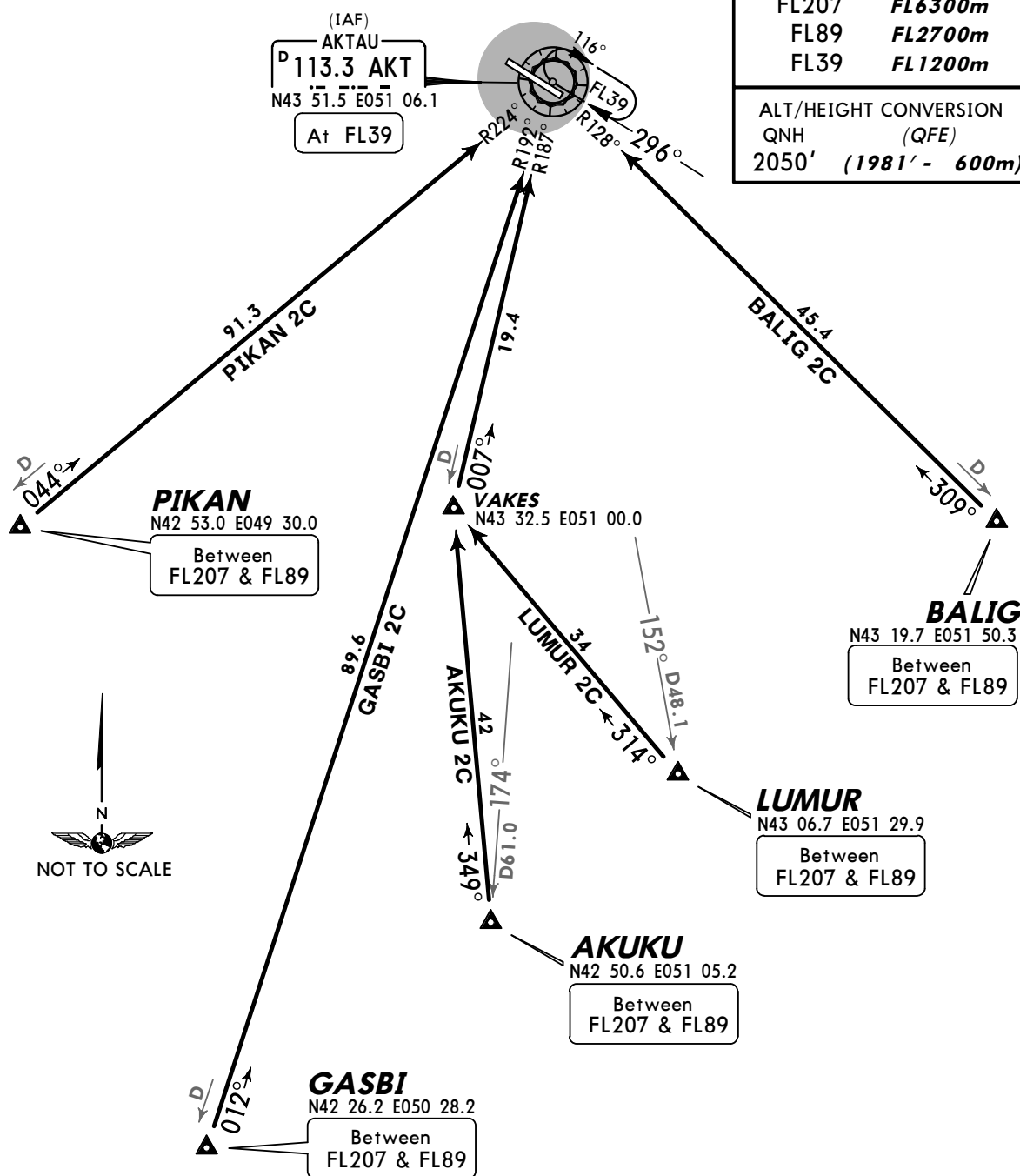
|                                      |                        |                                                                                                                                            |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br><b>130.1</b> (Russian 126.2) | Apt Elev<br><b>72'</b> | Alt Set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL39 Trans alt: 2050' (1981')<br>Crossings at airway exit points by ATC. |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

**AKUKU 2C [AKUK2C], BALIG 2C [BALI2C]  
 GASBI 2C [GASB2C], LUMUR 2C [LUMU2C]  
 PIKAN 2C [PIKA2C]  
 RWY 12 ARRIVALS  
 FROM SOUTH**



| FL CONVERSION |                |
|---------------|----------------|
| FL207         | <b>FL6300m</b> |
| FL89          | <b>FL2700m</b> |
| FL39          | <b>FL1200m</b> |

| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 2050'                 | (1981' - 600m) |



| STAR            | ROUTING                                                  |
|-----------------|----------------------------------------------------------|
| <b>AKUKU 2C</b> | 349° track to VAKES, intercept AKT R-187 inbound to AKT. |
| <b>BALIG 2C</b> | Intercept AKT R-128 inbound to AKT.                      |
| <b>GASBI 2C</b> | Intercept AKT R-192 inbound to AKT.                      |
| <b>LUMUR 2C</b> | 314° track to VAKES, intercept AKT R-187 inbound to AKT. |
| <b>PIKAN 2C</b> | Intercept AKT R-224 inbound to AKT.                      |

**UATE/SCO**  
**AKTAU**

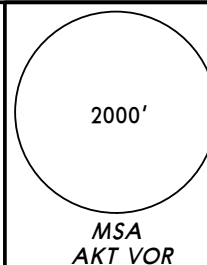
**JEPPesen**  
 1 APR 11 **10-2E** Eff 7 Apr

**AKTAU, KAZAKHSTAN**

**STAR**

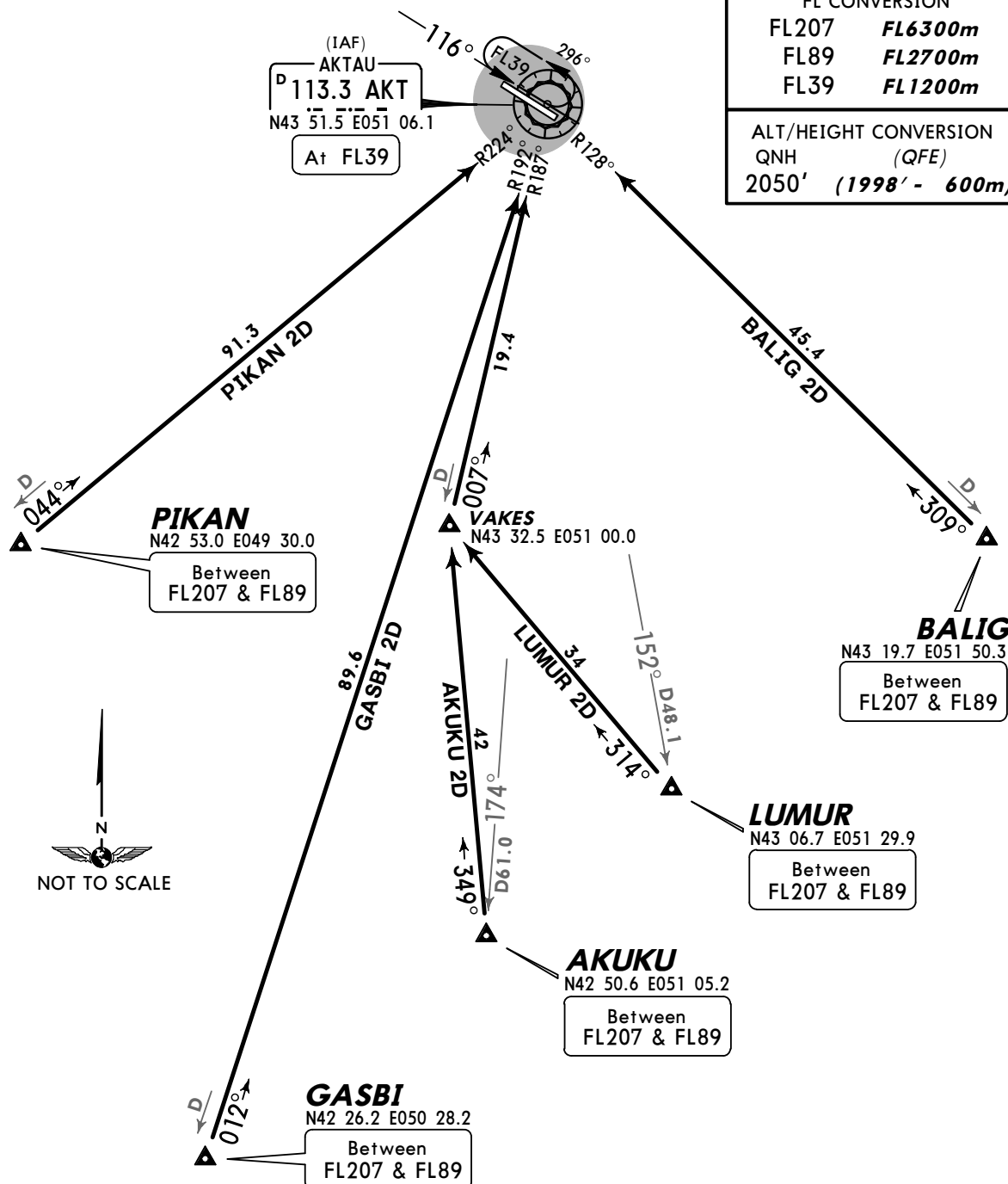
|                                      |                        |                                                                                                                                            |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br><b>130.1</b> (Russian 126.2) | Apt Elev<br><b>72'</b> | Alt Set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL39 Trans alt: 2050' (1998')<br>Crossings at airway exit points by ATC. |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

**AKUKU 2D [AKUK2D], BALIG 2D [BALI2D]  
 GASBI 2D [GASB2D], LUMUR 2D [LUMU2D]  
 PIKAN 2D [PIKA2D]  
 RWY 30 ARRIVALS  
 FROM SOUTH**



| FL CONVERSION |                |
|---------------|----------------|
| FL207         | <b>FL6300m</b> |
| FL89          | <b>FL2700m</b> |
| FL39          | <b>FL1200m</b> |

| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 2050'                 | (1998' - 600m) |



| STAR            | ROUTING                                                  |
|-----------------|----------------------------------------------------------|
| <b>AKUKU 2D</b> | 349° track to VAKES, intercept AKT R-187 inbound to AKT. |
| <b>BALIG 2D</b> | Intercept AKT R-128 inbound to AKT.                      |
| <b>GASBI 2D</b> | Intercept AKT R-192 inbound to AKT.                      |
| <b>LUMUR 2D</b> | 314° track to VAKES, intercept AKT R-187 inbound to AKT. |
| <b>PIKAN 2D</b> | Intercept AKT R-224 inbound to AKT.                      |

**UATE/SCO**  
**AKTAU**

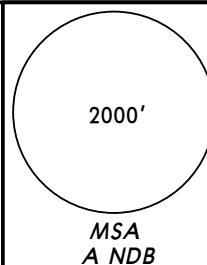
**JEPPesen**  
 1 APR 11 **10-2F** **Eff 7 Apr**

**AKTAU, KAZAKHSTAN**

**STAR**

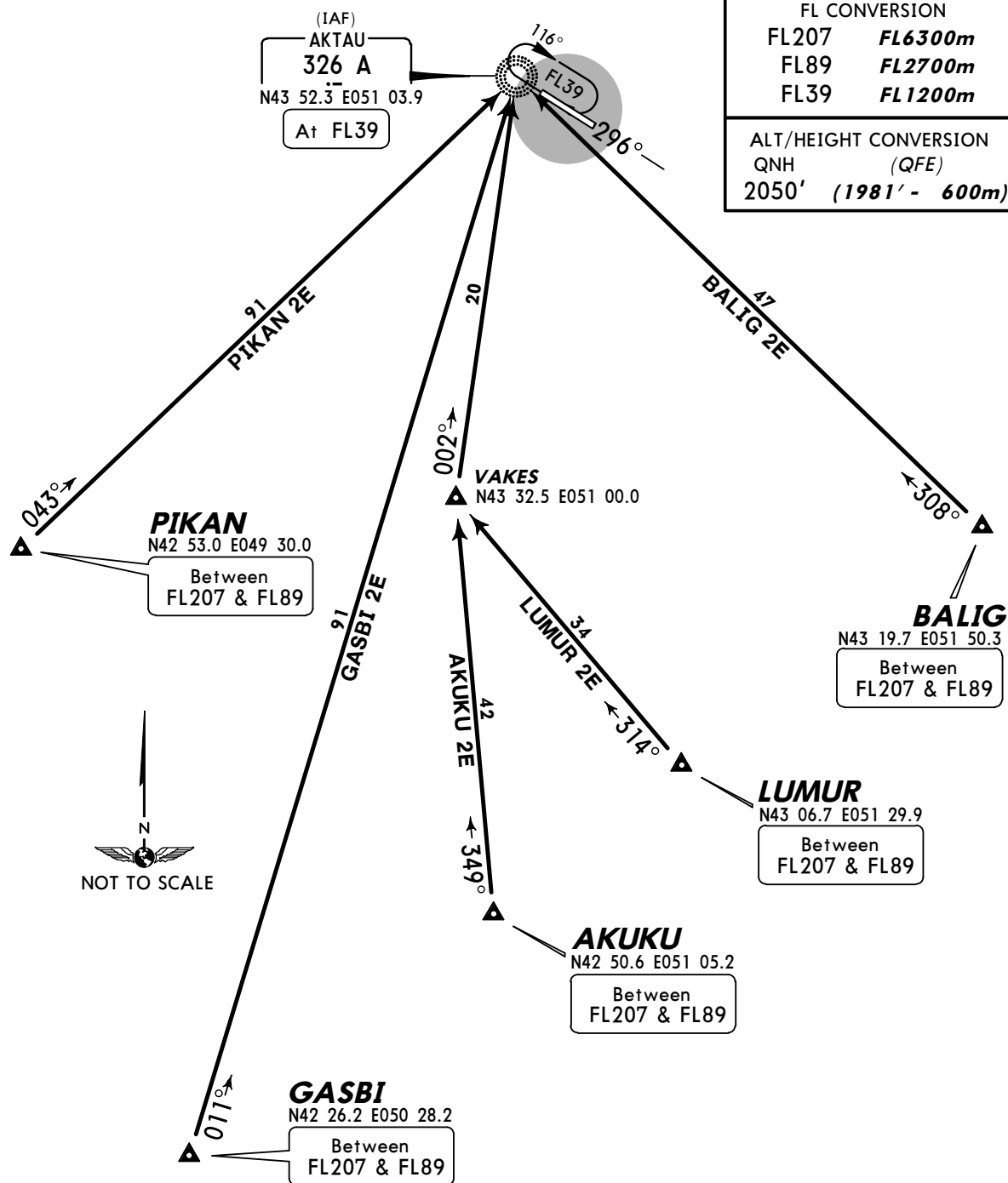
|                                      |                        |                                                                                                                                            |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br><b>130.1</b> (Russian 126.2) | Apt Elev<br><b>72'</b> | Alt Set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL39 Trans alt: 2050' (1981')<br>Crossings at airway exit points by ATC. |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

**AKUKU 2E [AKUK2E], BALIG 2E [BALI2E]  
 GASBI 2E [GASB2E], LUMUR 2E [LUMU2E]  
 PIKAN 2E [PIKA2E]  
 RWY 12 ARRIVALS  
 FROM SOUTH**



| FL CONVERSION |                |
|---------------|----------------|
| FL207         | <b>FL6300m</b> |
| FL89          | <b>FL2700m</b> |
| FL39          | <b>FL1200m</b> |

| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 2050'                 | (1981' - 600m) |



| STAR            | ROUTING                                           |
|-----------------|---------------------------------------------------|
| <b>AKUKU 2E</b> | 349° track to VAKES, intercept 002° bearing to A. |
| <b>BALIG 2E</b> | On 308° bearing to A.                             |
| <b>GASBI 2E</b> | On 011° bearing to A.                             |
| <b>LUMUR 2E</b> | 314° track to VAKES, intercept 002° bearing to A. |
| <b>PIKAN 2E</b> | On 043° bearing to A.                             |

**UATE/SCO**  
**AKTAU**

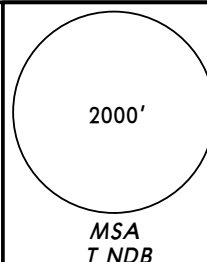
**JEPPesen**  
 1 APR 11 **(10-2G)** **Eff 7 Apr**

**AKTAU, KAZAKHSTAN**

**STAR**

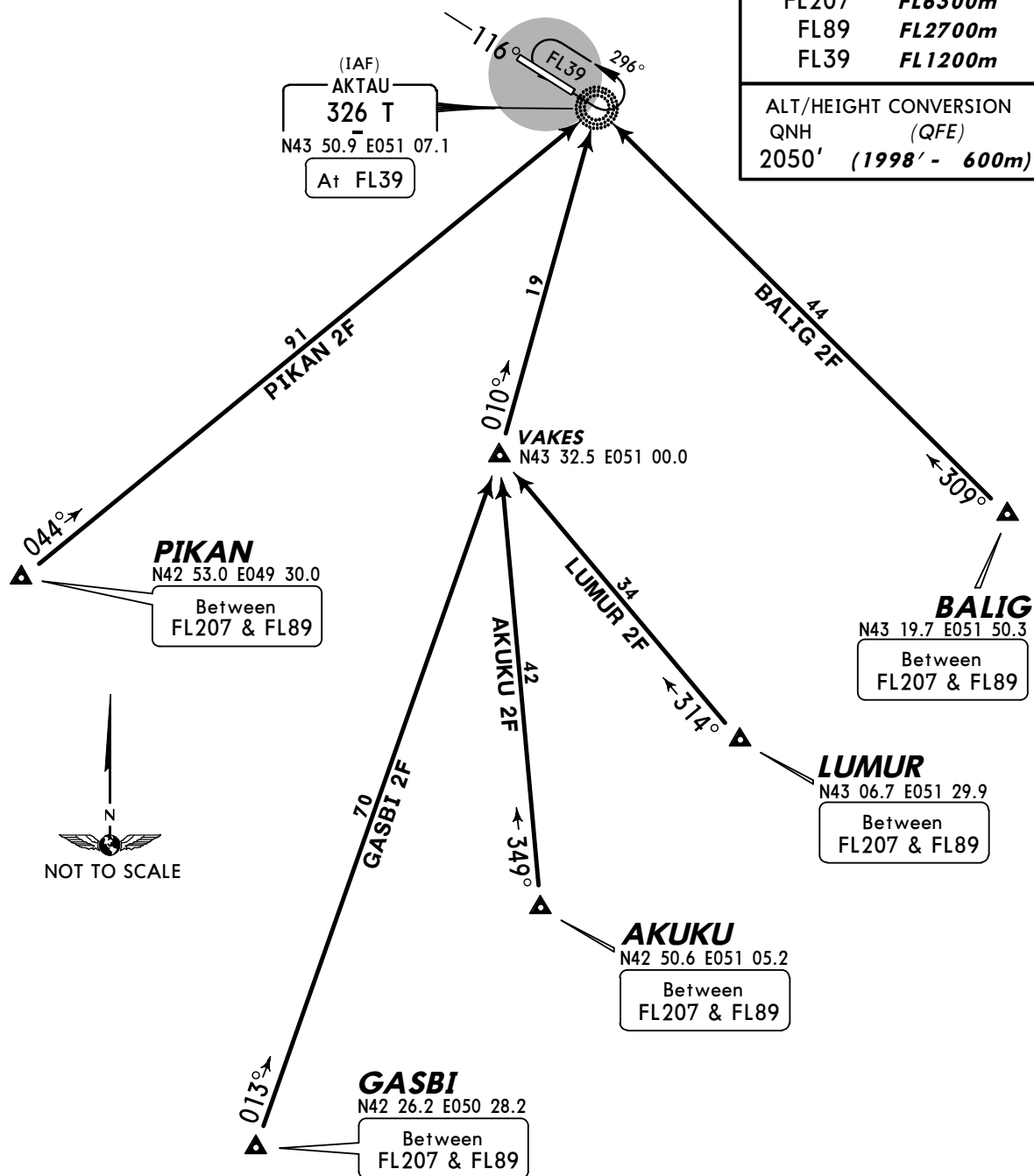
|                                      |                        |                                                                                                                                            |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br><b>130.1</b> (Russian 126.2) | Apt Elev<br><b>72'</b> | Alt Set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL39 Trans alt: 2050' (1998')<br>Crossings at airway exit points by ATC. |
|--------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

**AKUKU 2F [AKUK2F], BALIG 2F [BALI2F]  
 GASBI 2F [GASB2F], LUMUR 2F [LUMU2F]  
 PIKAN 2F [PIKA2F]  
 RWY 30 ARRIVALS  
 FROM SOUTH**



| FL CONVERSION |                |
|---------------|----------------|
| FL207         | <b>FL6300m</b> |
| FL89          | <b>FL2700m</b> |
| FL39          | <b>FL1200m</b> |

| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 2050'                 | (1998' - 600m) |



| STAR            | ROUTING                                           |
|-----------------|---------------------------------------------------|
| <b>AKUKU 2F</b> | 349° track to VAKES, intercept 010° bearing to T. |
| <b>BALIG 2F</b> | On 309° bearing to T.                             |
| <b>GASBI 2F</b> | 013° track to VAKES, intercept 010° bearing to T. |
| <b>LUMUR 2F</b> | 314° track to VAKES, intercept 010° bearing to T. |
| <b>PIKAN 2F</b> | On 044° bearing to T.                             |

UATE/SCO  
 AKTAU

**JEPPesen**  
 1 APR 11 (10-2H) Eff 7 Apr

**AKTAU, KAZAKHSTAN**

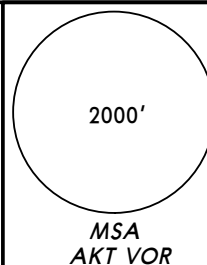
**STAR**

ATIS  
 130.1 (Russian 126.2)

Apt Elev  
 72'

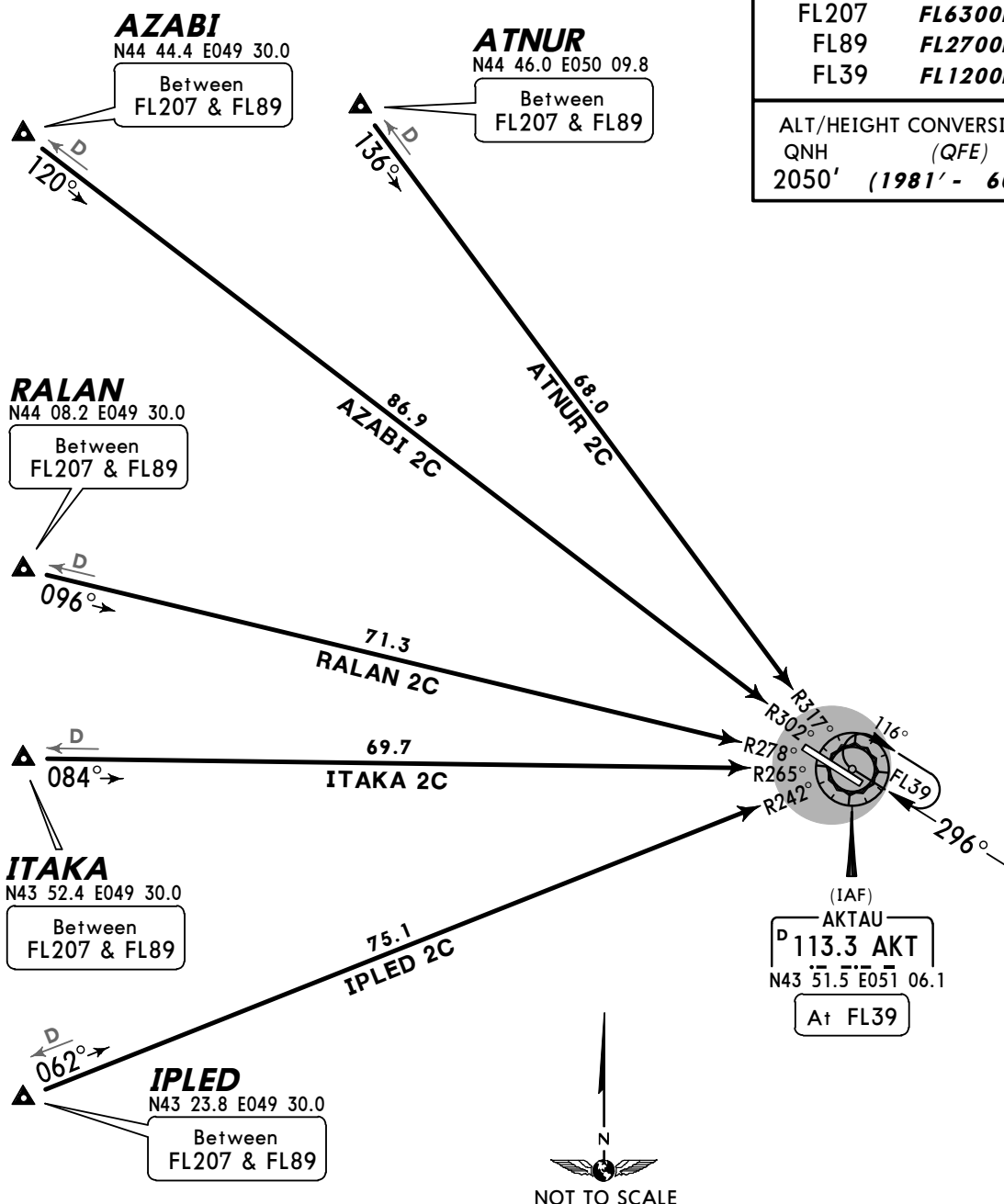
Alt Set: MM (hPa on request) QNH on request (QFE)  
 Trans level: FL39 Trans alt: 2050' (1981')  
 Crossings at airway exit points by ATC.

**ATNUR 2C [ATNU2C], AZABI 2C [AZAB2C]  
 IPLED 2C [IPLE2C], ITAKA 2C [ITAK2C]  
 RALAN 2C [RALA2C]  
 RWY 12 ARRIVALS  
 FROM WEST & NORTHWEST**



FL CONVERSION  
 FL207 **FL6300m**  
 FL89 **FL2700m**  
 FL39 **FL1200m**

ALT/HEIGHT CONVERSION  
 QNH (QFE)  
 2050' (1981' - 600m)



| STAR            | ROUTING                             |
|-----------------|-------------------------------------|
| <b>ATNUR 2C</b> | Intercept AKT R-317 inbound to AKT. |
| <b>AZABI 2C</b> | Intercept AKT R-302 inbound to AKT. |
| <b>IPLED 2C</b> | Intercept AKT R-242 inbound to AKT. |
| <b>ITAKA 2C</b> | Intercept AKT R-265 inbound to AKT. |
| <b>RALAN 2C</b> | Intercept AKT R-278 inbound to AKT. |

UATE/SCO  
 AKTAU

**JEPPESSEN**  
 1 APR 11 **10-2J** Eff 7 Apr

**AKTAU, KAZAKHSTAN**

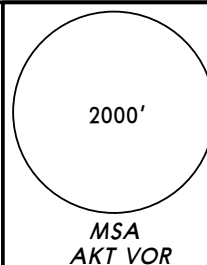
**STAR**

ATIS  
 130.1 (Russian 126.2)

Apt Elev  
 72'

Alt Set: MM (hPa on request) QNH on request (QFE)  
 Trans level: FL39 Trans alt: 2050' (1998')  
 Crossings at airway exit points by ATC.

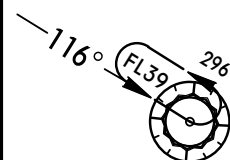
**ATNUR 2D [ATNU2D], AZABI 2D [AZAB2D]  
 IPLED 2D [IPLE2D], ITAKA 2D [ITAK2D]  
 RALAN 2D [RALA2D]  
 RWY 30 ARRIVALS  
 FROM WEST & NORTHWEST**



FL CONVERSION  
 FL207 **FL6300m**  
 FL89 **FL2700m**  
 FL39 **FL1200m**

ALT/HEIGHT CONVERSION  
 QNH (QFE)  
 2050' (1998' - 600m)

**HOLDING  
 OVER AKT**



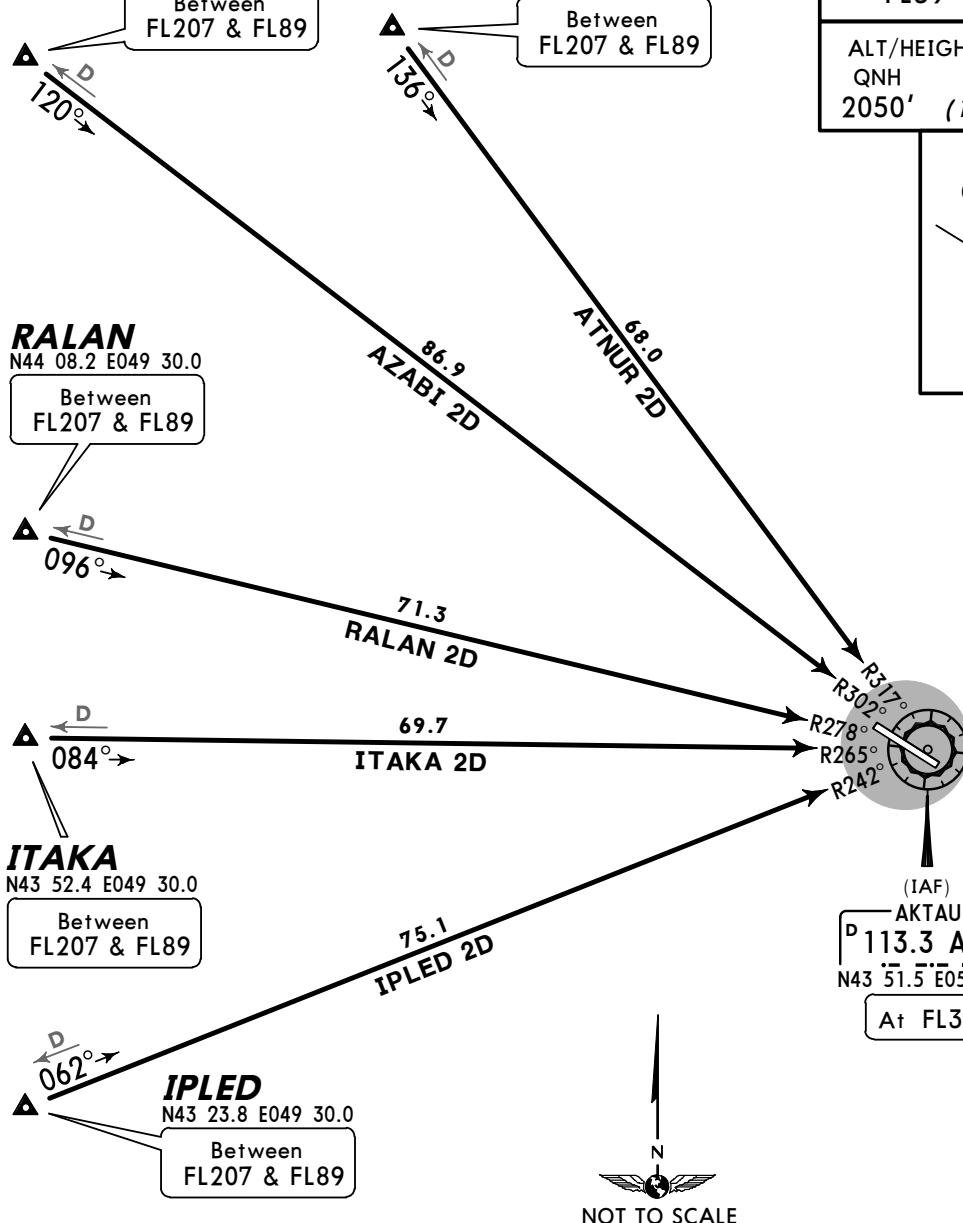
**AZABI**  
 N44 44.4 E049 30.0  
 Between  
 FL207 & FL89

**ATNUR**  
 N44 46.0 E050 09.8  
 Between  
 FL207 & FL89

**RALAN**  
 N44 08.2 E049 30.0  
 Between  
 FL207 & FL89

**ITAKA**  
 N43 52.4 E049 30.0  
 Between  
 FL207 & FL89

**IPLED**  
 N43 23.8 E049 30.0  
 Between  
 FL207 & FL89



(IAF)  
**AKTAU**  
 P 113.3 AKT  
 N43 51.5 E051 06.1  
 At FL39

| STAR            | ROUTING                             |
|-----------------|-------------------------------------|
| <b>ATNUR 2D</b> | Intercept AKT R-317 inbound to AKT. |
| <b>AZABI 2D</b> | Intercept AKT R-302 inbound to AKT. |
| <b>IPLED 2D</b> | Intercept AKT R-242 inbound to AKT. |
| <b>ITAKA 2D</b> | Intercept AKT R-265 inbound to AKT. |
| <b>RALAN 2D</b> | Intercept AKT R-278 inbound to AKT. |

**UATE/SCO**  
**AKTAU**

**JEPPesen**  
 1 APR 11 **10-2K** Eff 7 Apr

**AKTAU, KAZAKHSTAN**

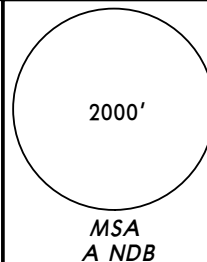
**STAR**

ATIS  
**130.1** (Russian 126.2)

Apt Elev  
**72'**

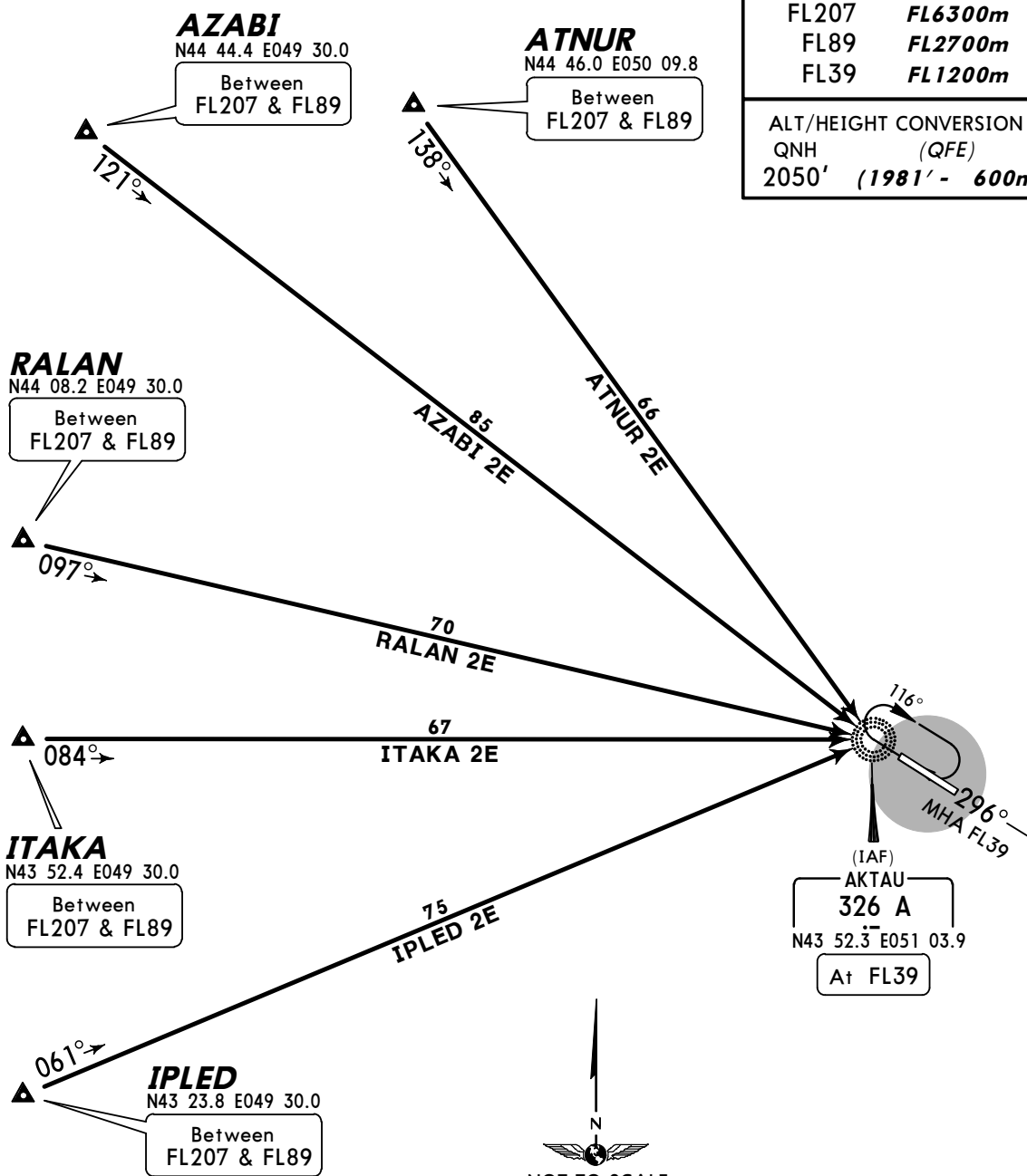
Alt Set: MM (hPa on request) QNH on request (QFE)  
 Trans level: FL39 Trans alt: 2050' (1981')  
 Crossings at airway exit points by ATC.

**ATNUR 2E [ATNU2E], AZABI 2E [AZAB2E]  
 IPLED 2E [IPLE2E], ITAKA 2E [ITAK2E]  
 RALAN 2E [RALA2E]  
 RWY 12 ARRIVALS  
 FROM WEST & NORTHWEST**



FL CONVERSION  
 FL207 **FL6300m**  
 FL89 **FL2700m**  
 FL39 **FL1200m**

ALT/HEIGHT CONVERSION  
 QNH (QFE)  
 2050' (1981' - 600m)



| STAR            | ROUTING               |
|-----------------|-----------------------|
| <b>ATNUR 2E</b> | On 138° bearing to A. |
| <b>AZABI 2E</b> | On 121° bearing to A. |
| <b>IPLED 2E</b> | On 061° bearing to A. |
| <b>ITAKA 2E</b> | On 084° bearing to A. |
| <b>RALAN 2E</b> | On 097° bearing to A. |

**UATE/SCO**  
**AKTAU**

**JEPPESSEN**  
 1 APR 11 **(10-2L)** **Eff 7 Apr**

**AKTAU, KAZAKHSTAN**

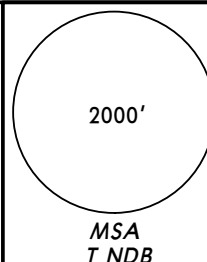
**STAR**

ATIS  
**130.1** (Russian 126.2)

Apt Elev  
**72'**

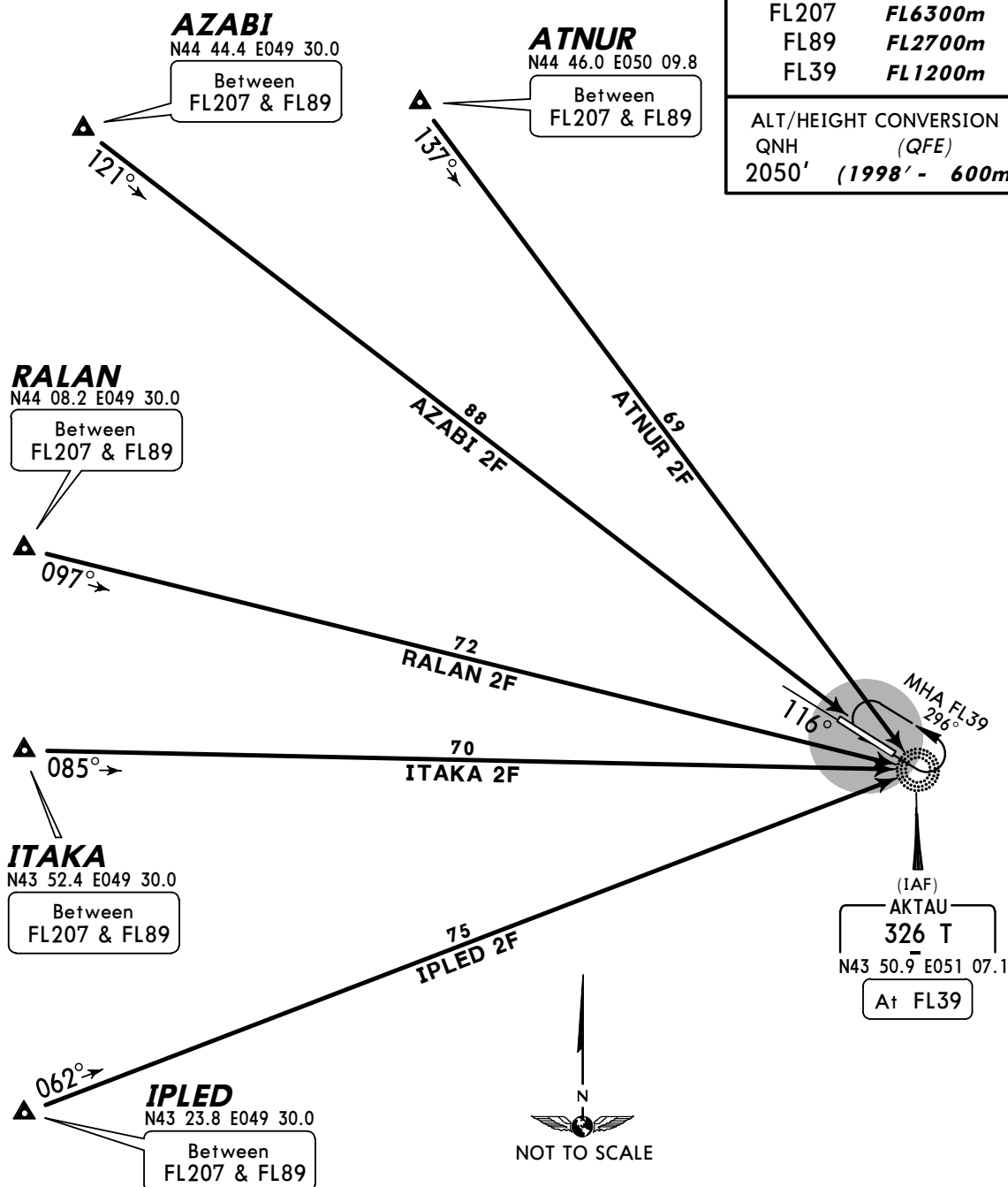
Alt Set: MM (hPa on request) QNH on request (QFE)  
 Trans level: FL39 Trans alt: 2050' (1998')  
 Crossings at airway exit points by ATC.

**ATNUR 2F [ATNU2F], AZABI 2F [AZAB2F]**  
**IPLD 2F [IPLE2F], ITAKA 2F [ITAK2F]**  
**RALAN 2F [RALA2F]**  
**RWY 30 ARRIVALS**  
**FROM WEST & NORTHWEST**



FL CONVERSION  
 FL207 **FL6300m**  
 FL89 **FL2700m**  
 FL39 **FL1200m**

ALT/HEIGHT CONVERSION  
 QNH (QFE)  
 2050' (1998' - 600m)



| STAR            | ROUTING               |
|-----------------|-----------------------|
| <b>ATNUR 2F</b> | On 137° bearing to T. |
| <b>AZABI 2F</b> | On 121° bearing to T. |
| <b>IPLD 2F</b>  | On 062° bearing to T. |
| <b>ITAKA 2F</b> | On 085° bearing to T. |
| <b>RALAN 2F</b> | On 097° bearing to T. |

**UATE/SCO  
AKTAU**

**JEPPESEN**  
1 APR 11 10-3 Eff 7 Apr

## AKTAU, KAZAKHSTAN

**SID**

Apt Elev  
72'

QNH on request **(QFE)**  
Trans level: FL39    Trans alt: 2050' **(1981')**  
FL by ATC.

2000'

MSA  
AKT VOR

AGILA 3A [*AGIL3A*], GIGRI 2A [*GIGR2A*]  
 NEPIL 2A [*NEPI2A*], PIRIM 2A [*PIRI2A*]  
 RIBNA 2A [*RIBN2A*], ULSON 2A [*ULSO2A*]

RWY 12 DEPARTURES

TO NORTH & EAST

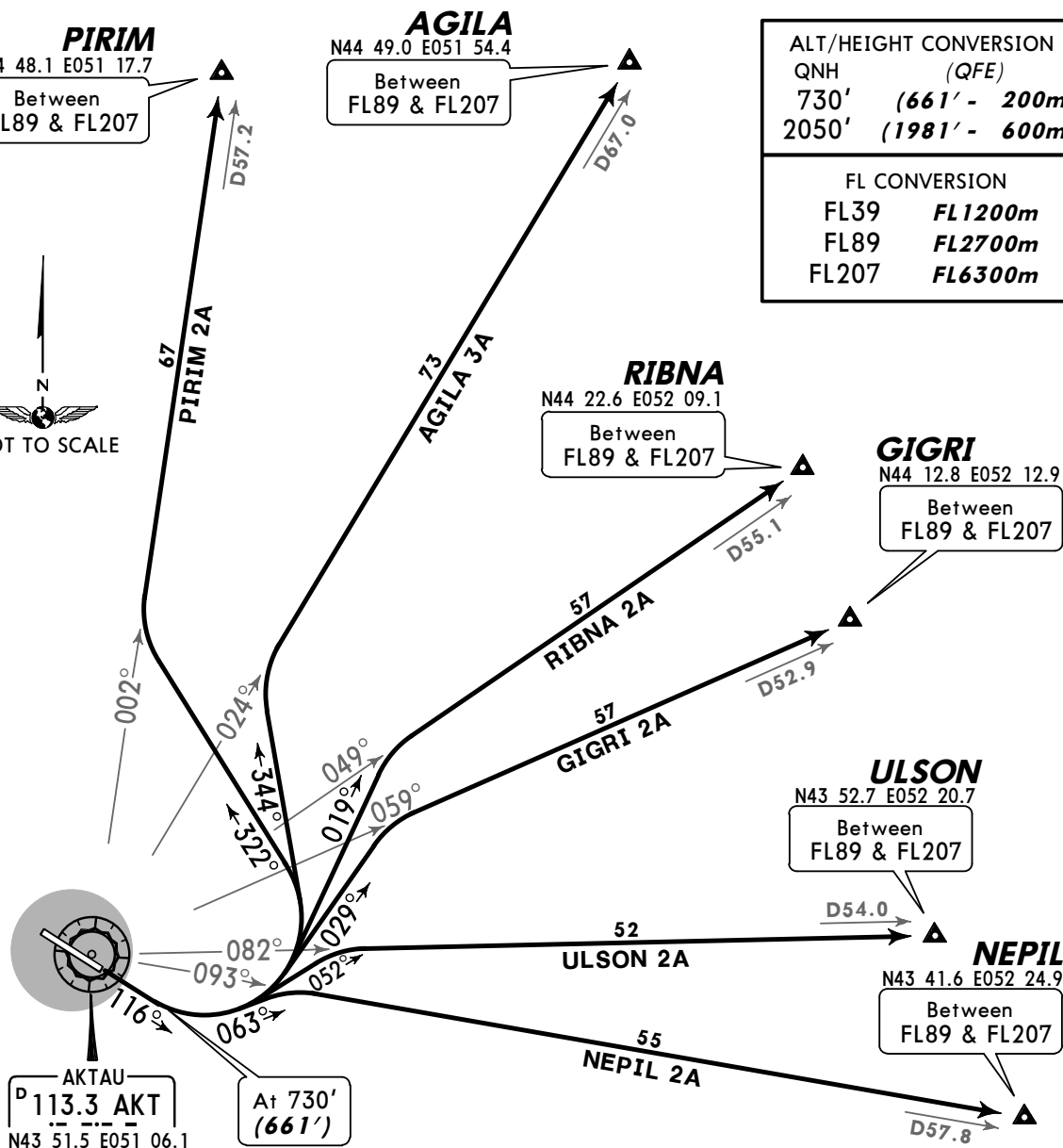
**PIRIM**  
N44 48.1 E051 17.7  
Between  
FL89 & FL207

**AGILA**  
N44 49.0 E051 54.4  
Between  
FL89 & FL207

ALT/HEIGHT CONVERSION  
QNH (QFE)  
730' (661' - 200m)  
2050' (1981' - 600m)

FL CONVERSION

|       |                |
|-------|----------------|
| FL39  | <i>FL1200m</i> |
| FL89  | <i>FL2700m</i> |
| FL207 | <i>FL6300m</i> |



| SID             | ROUTING                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------|
| <b>AGILA 3A</b> | Climb straight ahead to 730' (661'), turn LEFT, 344° track, intercept AKT R-024 to AGILA. |
| <b>GIGRI 2A</b> | Climb straight ahead to 730' (661'), turn LEFT, 029° track, intercept AKT R-059 to GIGRI. |
| <b>NEPIL 2A</b> | Climb straight ahead to 730' (661'), turn LEFT, 063° track, intercept AKT R-093 to NEPIL. |
| <b>PIRIM 2A</b> | Climb straight ahead to 730' (661'), turn LEFT, 322° track, intercept AKT R-002 to PIRIM. |
| <b>RIBNA 2A</b> | Climb straight ahead to 730' (661'), turn LEFT, 019° track, intercept AKT R-049 to RIBNA. |
| <b>ULSON 2A</b> | Climb straight ahead to 730' (661'), turn LEFT, 052° track, intercept AKT R-082 to ULSON. |

**CHANGES:** MSA; SIDs completely revised.

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**UATE/SCO**  
**AKTAU**

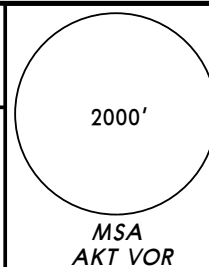
**JEPPESSEN**  
1 APR 11 **(10-3A)** Eff 7 Apr

**AKTAU, KAZAKHSTAN**

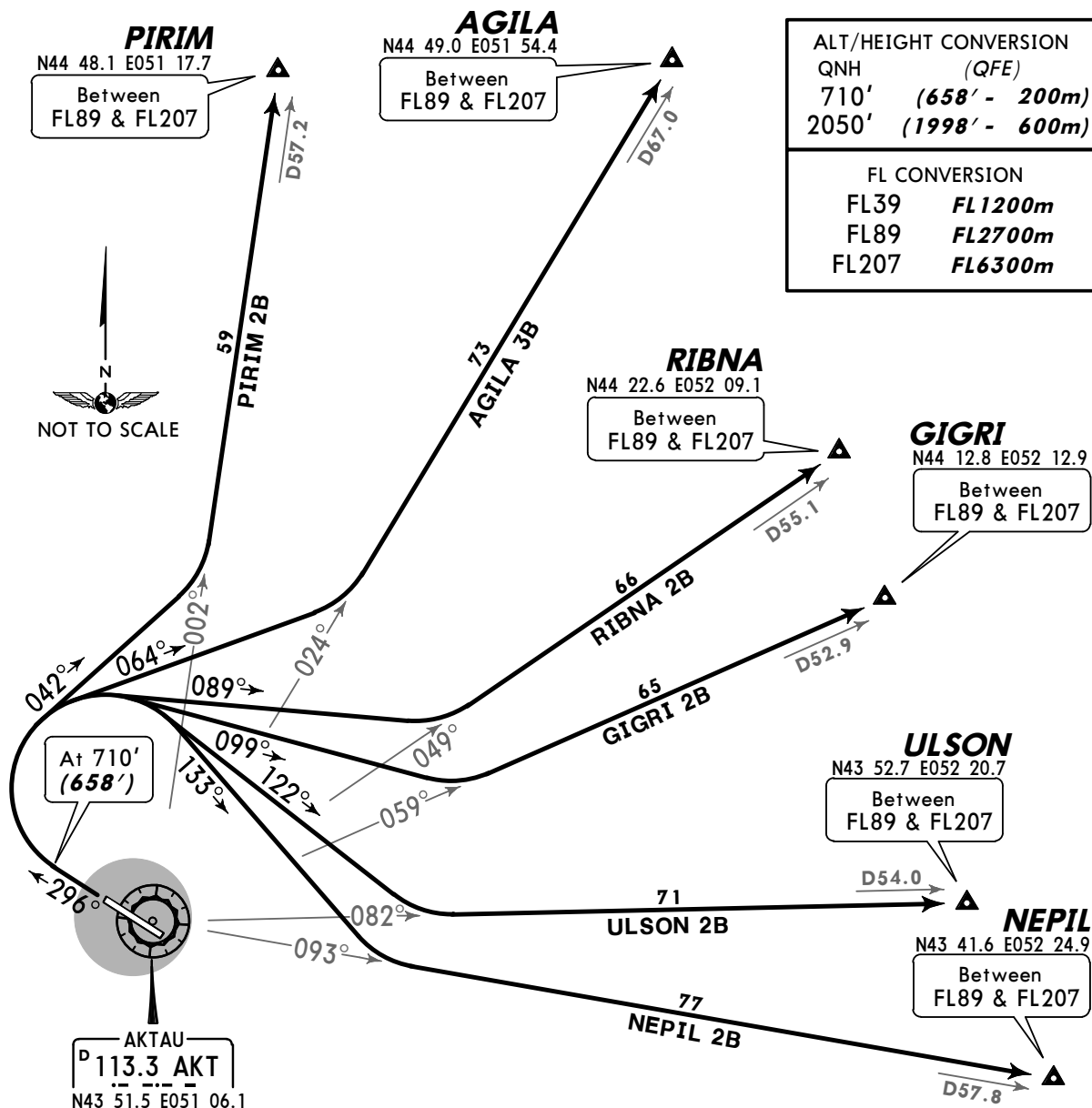
**SID**

Apt Elev  
**72'**

QNH on request (**QFE**)  
Trans level: FL39 Trans alt: 2050' (**1998'**)  
FL by ATC.



**AGILA 3B [AGIL3B], GIGRI 2B [GIGR2B]**  
**NEPIL 2B [NEPI2B], PIRIM 2B [PIRI2B]**  
**RIBNA 2B [RIBN2B], ULSON 2B [ULSO2B]**  
**RWY 30 DEPARTURES**  
**TO NORTH & EAST**



**ALT/HEIGHT CONVERSION**  
QNH (**QFE**)  
710' (**658' - 200m**)  
2050' (**1998' - 600m**)

**FL CONVERSION**  
FL39 **FL1200m**  
FL89 **FL2700m**  
FL207 **FL6300m**

| SID             | ROUTING                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------|
| <b>AGILA 3B</b> | Climb straight ahead to 710' (658'), turn RIGHT, 064° track, intercept AKT R-024 to AGILA. |
| <b>GIGRI 2B</b> | Climb straight ahead to 710' (658'), turn RIGHT, 099° track, intercept AKT R-059 to GIGRI. |
| <b>NEPIL 2B</b> | Climb straight ahead to 710' (658'), turn RIGHT, 133° track, intercept AKT R-093 to NEPIL. |
| <b>PIRIM 2B</b> | Climb straight ahead to 710' (658'), turn RIGHT, 042° track, intercept AKT R-002 to PIRIM. |
| <b>RIBNA 2B</b> | Climb straight ahead to 710' (658'), turn RIGHT, 089° track, intercept AKT R-049 to RIBNA. |
| <b>ULSON 2B</b> | Climb straight ahead to 710' (658'), turn RIGHT, 122° track, intercept AKT R-082 to ULSON. |

**UATE/SCO**  
**AKTAU**

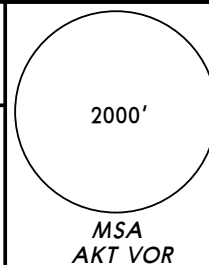
**JEPPesen**  
 1 APR 11 **(10-3B)** Eff 7 Apr

**AKTAU, KAZAKHSTAN**

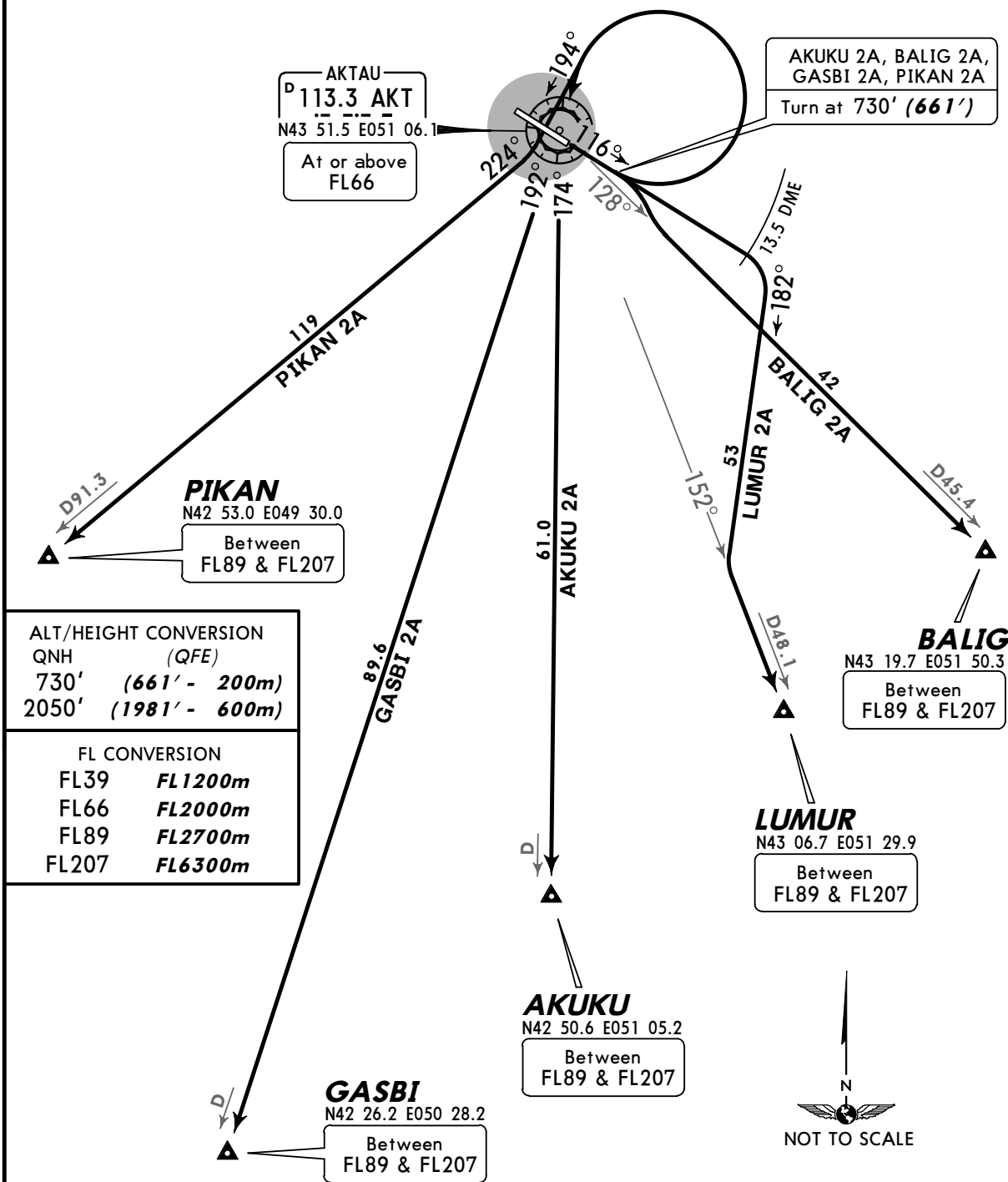
**SID**

Apt Elev  
**72'**

QNH on request **(QFE)**  
 Trans level: FL39 Trans alt: 2050' **(1981')**  
 FL by ATC.



**AKUKU 2A [AKUK2A], BALIG 2A [BALI2A]  
 GASBI 2A [GASB2A], LUMUR 2A [LUMU2A]  
 PIKAN 2A [PIKA2A]  
 RWY 12 DEPARTURES  
 TO SOUTH**

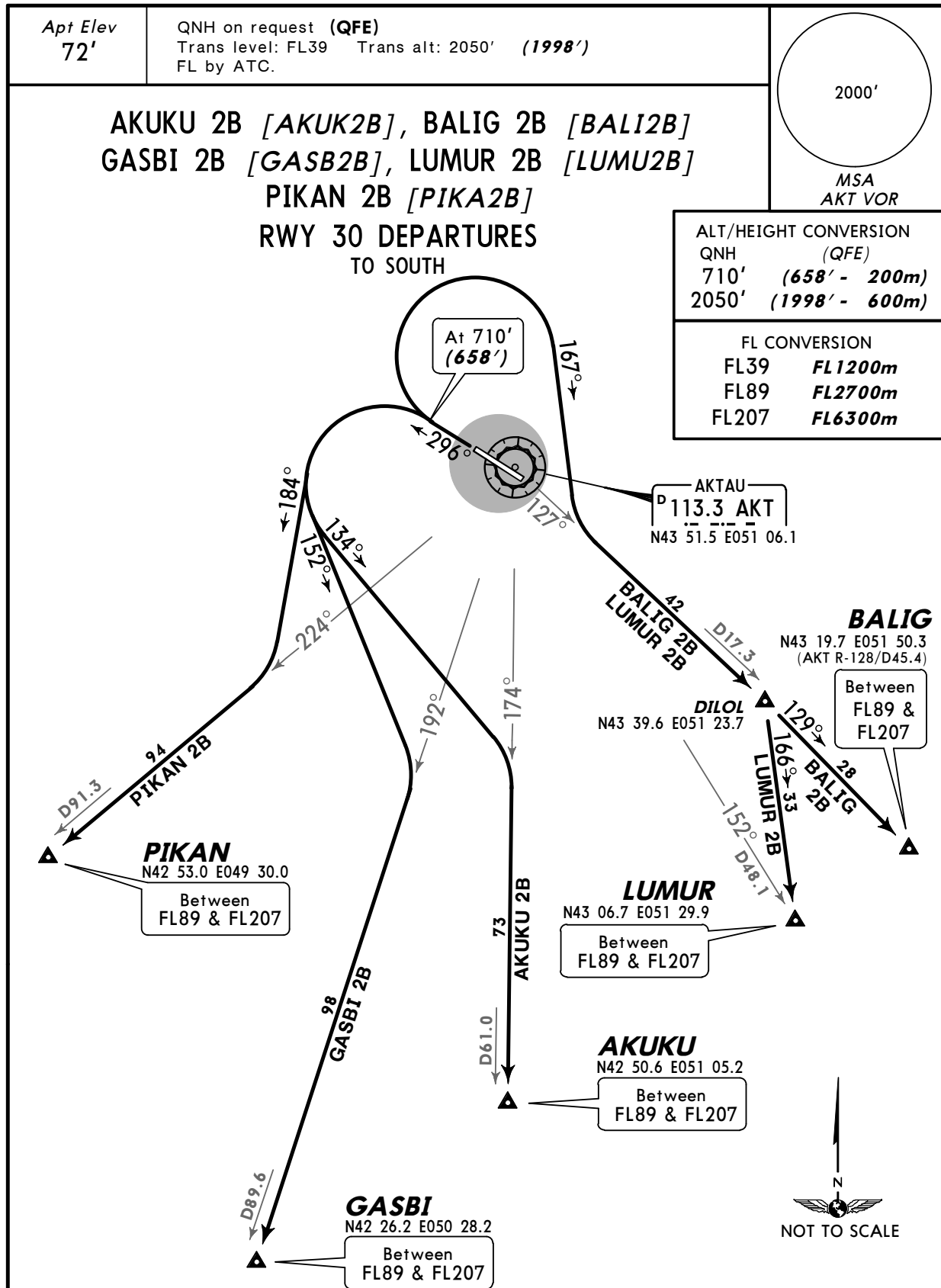


| SID             | ROUTING                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------|
| <b>AKUKU 2A</b> | Climb straight ahead to 730' (661'), turn LEFT to AKT, AKT R-174 to AKUKU.                |
| <b>BALIG 2A</b> | Climb straight ahead to 730' (661'), turn RIGHT, intercept AKT R-128 to BALIG.            |
| <b>GASBI 2A</b> | Climb straight ahead to 730' (661'), turn LEFT to AKT, AKT R-192 to GASBI.                |
| <b>LUMUR 2A</b> | Turn RIGHT not before AKT 13.5 DME, 182° track, intercept AKT R-152 to LUMUR.             |
| <b>PIKAN 2A</b> | Climb straight ahead to 730' (661'), turn LEFT, 194° track, intercept AKT R-224 to PIKAN. |

**UATE/SCO**  
**AKTAU**

**JEPPESSEN**  
1 APR 11 **(10-3C)** Eff 7 Apr

## AKTAU, KAZAKHSTAN

**SID**

| SID             | ROUTING                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------|
| <b>AKUKU 2B</b> | Climb straight ahead to 710' (658'), turn LEFT, 134° track, intercept AKT R-174 to AKUKU.                       |
| <b>BALIG 2B</b> | Climb straight ahead to 710' (658'), turn RIGHT, 167° track, intercept AKT R-127 to DILOL, 129° track to BALIG. |
| <b>GASBI 2B</b> | Climb straight ahead to 710' (658'), turn LEFT, 152° track, intercept AKT R-192 to GASBI.                       |
| <b>LUMUR 2B</b> | Climb straight ahead to 710' (658'), turn RIGHT, 167° track, intercept AKT R-127 to DILOL, 166° track to LUMUR. |
| <b>PIKAN 2B</b> | Climb straight ahead to 710' (658'), turn LEFT, 184° track, intercept AKT R-224 to PIKAN.                       |

**CHANGES:** MSA; SIDs completely revised.

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UATE/SCO  
AKTAU

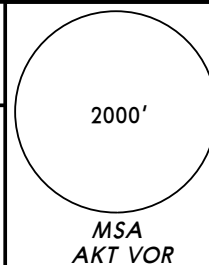
**JEPPESEN**  
1 APR 11 **10-3D** Eff 7 Apr

**AKTAU, KAZAKHSTAN**

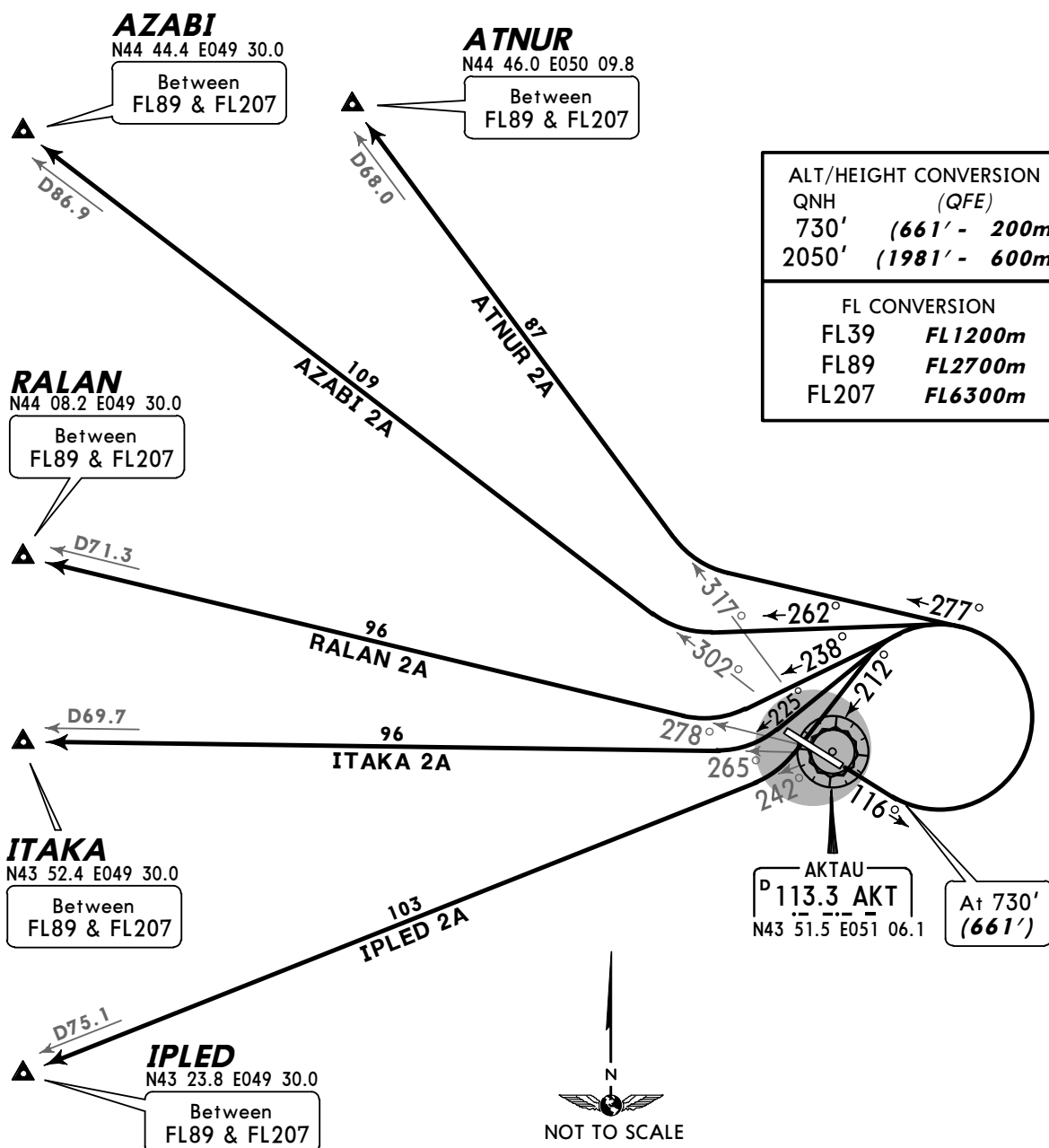
**SID**

Apt Elev  
**72'**

QNH on request (**QFE**)  
Trans level: FL39 Trans alt: 2050' (**1981'**)  
FL by ATC.



**ATNUR 2A [ATNU2A], AZABI 2A [AZAB2A]  
IPLED 2A [IPLE2A], ITAKA 2A [ITAK2A]  
RALAN 2A [RALA2A]  
RWY 12 DEPARTURES  
TO WEST & NORTHWEST**



| SID             | ROUTING                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------|
| <b>ATNUR 2A</b> | Climb straight ahead to 730' (661'), turn LEFT, 277° track, intercept AKT R-317 to ATNUR. |
| <b>AZABI 2A</b> | Climb straight ahead to 730' (661'), turn LEFT, 262° track, intercept AKT R-302 to AZABI. |
| <b>IPLED 2A</b> | Climb straight ahead to 730' (661'), turn LEFT, 212° track, intercept AKT R-242 to IPLED. |
| <b>ITAKA 2A</b> | Climb straight ahead to 730' (661'), turn LEFT, 225° track, intercept AKT R-265 to ITAKA. |
| <b>RALAN 2A</b> | Climb straight ahead to 730' (661'), turn LEFT, 238° track, intercept AKT R-278 to RALAN. |

UATE/SCO  
AKTAU

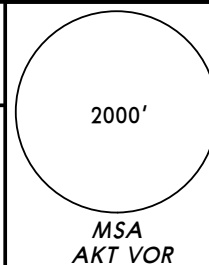
**JEPPESEN**  
1 APR 11 **10-3E** Eff 7 Apr

**AKTAU, KAZAKHSTAN**

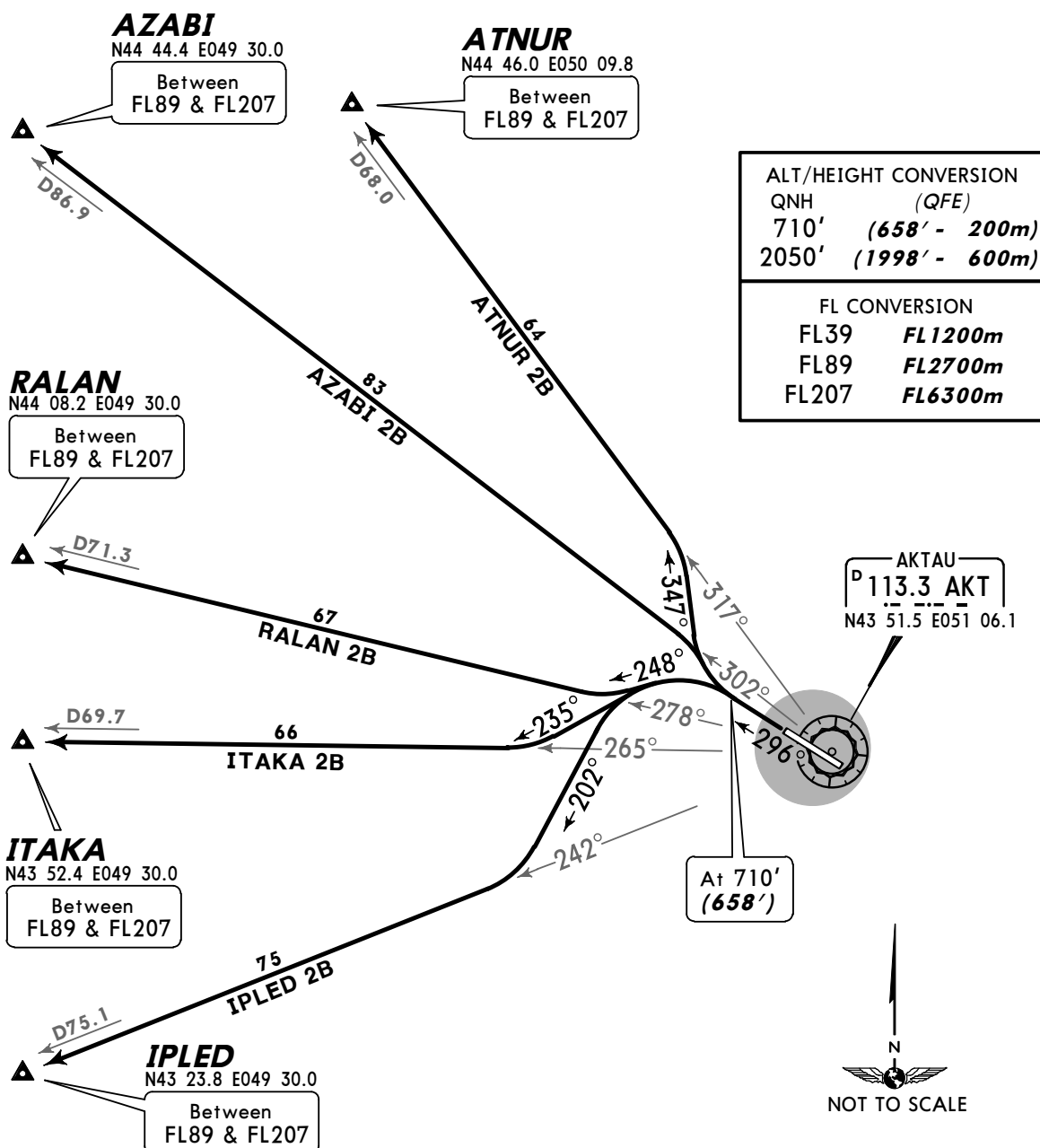
**SID**

Apt Elev  
**72'**

QNH on request (QFE)  
Trans level: FL39 Trans alt: 2050' (1998')  
FL by ATC.



**ATNUR 2B [ATNU2B], AZABI 2B [AZAB2B]**  
**IPLD 2B [IPLE2B], ITAKA 2B [ITAK2B]**  
**RALAN 2B [RALA2B]**  
**RWY 30 DEPARTURES**  
**TO WEST & NORTHWEST**



| SID             | ROUTING                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------|
| <b>ATNUR 2B</b> | Climb straight ahead to 710' (658'), turn RIGHT, 347° track, intercept AKT R-317 to ATNUR. |
| <b>AZABI 2B</b> | Climb straight ahead to 710' (658'), intercept AKT R-302 to AZABI.                         |
| <b>IPLD 2B</b>  | Climb straight ahead to 710' (658'), turn LEFT, 202° track, intercept AKT R-242 to IPLD.   |
| <b>ITAKA 2B</b> | Climb straight ahead to 710' (658'), turn LEFT, 235° track, intercept AKT R-265 to ITAKA.  |
| <b>RALAN 2B</b> | Climb straight ahead to 710' (658'), turn LEFT, 248° track, intercept AKT R-278 to RALAN.  |

UATE/SCO

Apt Elev **72'**  
N43 51.6 E051 05.5

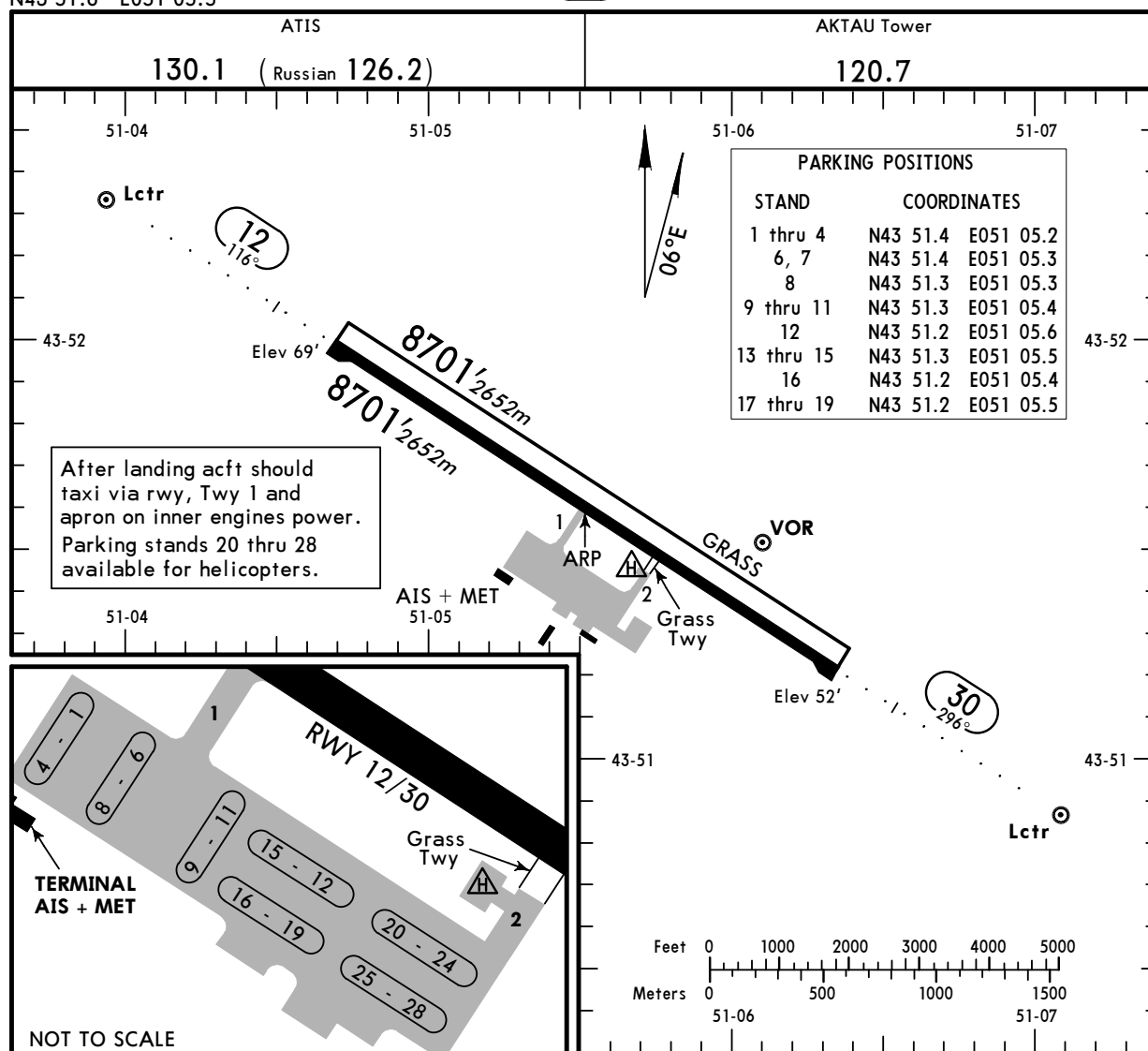


10 APR 09

10-9

## AKTAU, KAZAKHSTAN

AKTAU



### ADDITIONAL RUNWAY INFORMATION

|    |    | ADDITIONAL RUNWAY INFORMATION | USABLE LENGTHS |                               | TAKE-OFF | WIDTH     |
|----|----|-------------------------------|----------------|-------------------------------|----------|-----------|
|    |    |                               | Threshold      | Landing Beyond<br>Glide Slope |          |           |
| 12 | 30 | RL (60m) ALS                  | RVR            | 7547' 2300m                   |          | 148' 45m  |
| 12 | 30 | Grass runway                  |                | 7729' 2356m                   |          | 328' 100m |
|    |    |                               |                |                               |          |           |
|    |    |                               |                |                               |          |           |
|    |    |                               |                |                               |          |           |

## TAKE-OFF

|   |               | AIR CARRIER (JAA)<br>All Rwys |               |
|---|---------------|-------------------------------|---------------|
|   |               | DAY                           | NIGHT         |
|   | RL            | RCLM                          | RL            |
| A |               |                               |               |
| B |               | 400m <b>1</b>                 | 400m <b>1</b> |
| C | 400m <b>1</b> |                               |               |
| D |               | 500m                          | 400m          |

**1** LVP must be in force: 300m.

UATE/SCO


**JEPPESEN**  
 15 APR 11 **10-9S**
**Standard**  
**AKTAU, KAZAKHSTAN**  
**AKTAU**

| STRAIGHT-IN RWY |                | A                  | B                  | C                   | D                   |
|-----------------|----------------|--------------------|--------------------|---------------------|---------------------|
| 12              | ILS            | <b>269'</b> (200') | <b>269'</b> (200') | <b>299'</b> (230')  | <b>299'</b> (230')  |
|                 |                | <b>1000m</b>       | <b>1000m</b>       | <b>1000m</b>        | <b>1000m</b>        |
|                 | <i>ALS out</i> | 1200m              | 1200m              | 1200m               | 1200m               |
|                 | LOC            | NOT AUTH           | NOT AUTH           | NOT AUTH            | NOT AUTH            |
|                 | VOR ①          | <b>730'</b> (661') | <b>730'</b> (661') | <b>1060'</b> (991') | <b>1060'</b> (991') |
|                 |                | <b>3000m</b>       | <b>3000m</b>       | <b>5000m</b>        | <b>5000m</b>        |
|                 | 2 NDB ①        | <b>420'</b> (351') | <b>420'</b> (351') | <b>420'</b> (351')  | <b>420'</b> (351')  |
|                 |                | <b>1400m</b>       | <b>1400m</b>       | <b>1400m</b>        | <b>1400m</b>        |
| 30              | <i>ALS out</i> | 1600m              | 1600m              | 1600m               | 1600m               |
|                 | NDB            | <b>730'</b> (661') | <b>730'</b> (661') | <b>1060'</b> (991') | <b>1060'</b> (991') |
|                 |                | <b>3100m</b>       | <b>3100m</b>       | <b>5000m</b>        | <b>5000m</b>        |
|                 | <i>ALS out</i> | 3300m              | 3300m              | 5000m               | 5000m               |
|                 | ILS            | <b>265'</b> (213') | <b>265'</b> (213') | <b>282'</b> (230')  | <b>282'</b> (230')  |
|                 |                | <b>1000m</b>       | <b>1000m</b>       | <b>1000m</b>        | <b>1000m</b>        |
|                 | <i>ALS out</i> | 1200m              | 1200m              | 1200m               | 1200m               |
|                 | LOC            | NOT AUTH           | NOT AUTH           | NOT AUTH            | NOT AUTH            |
|                 | VOR ①          | <b>710'</b> (658') | <b>710'</b> (658') | <b>1040'</b> (988') | <b>1040'</b> (988') |
|                 |                | <b>3000m</b>       | <b>3000m</b>       | <b>5000m</b>        | <b>5000m</b>        |
|                 | 2 NDB ①        | <b>410'</b> (358') | <b>410'</b> (358') | <b>410'</b> (358')  | <b>410'</b> (358')  |
|                 |                | <b>1400m</b>       | <b>1400m</b>       | <b>1400m</b>        | <b>1400m</b>        |
|                 | <i>ALS out</i> | 1600m              | 1600m              | 1600m               | 1600m               |
|                 | NDB            | <b>710'</b> (658') | <b>710'</b> (658') | <b>1040'</b> (988') | <b>1040'</b> (988') |
|                 |                | <b>3000m</b>       | <b>3000m</b>       | <b>5000m</b>        | <b>5000m</b>        |
|                 | <i>ALS out</i> | 3200m              | 3200m              | 5000m               | 5000m               |

① Continuous Descent Final Approach.

**TAKE-OFF RWY 12, 30**

| DAY              |        |      | NIGHT  |
|------------------|--------|------|--------|
| RL               | RCLM   | NIL  | RL     |
| A<br>B<br>C<br>D | 400m ② | 500m | 400m ② |
|                  | 500m   |      | 400m   |
|                  |        |      |        |

② LVP must be in force: 300m.

UATE/SCO

 **JEPPESEN**

1 APR 11

**(10-9X)****Eff 7 Apr****AKTAU, KAZAKHSTAN****AKTAU****JAA MINIMUMS**

| STRAIGHT-IN RWY |                | A                  | B                  | C                   | D                   |
|-----------------|----------------|--------------------|--------------------|---------------------|---------------------|
| 12              | ILS            | <b>269'</b> (200') | <b>269'</b> (200') | <b>299'</b> (230')  | <b>299'</b> (230')  |
|                 |                | <b>800m</b>        | <b>800m</b>        | <b>900m</b>         | <b>900m</b>         |
|                 | <i>ALS out</i> | 1000m              | 1000m              | 1000m               | 1000m               |
|                 | LOC            | NOT<br>AUTHORIZED  | NOT<br>AUTHORIZED  | NOT<br>AUTHORIZED   | NOT<br>AUTHORIZED   |
|                 | VOR DME        | <b>730'</b> (661') | <b>730'</b> (661') | <b>1060'</b> (991') | <b>1060'</b> (991') |
|                 |                | <b>3000m</b>       | <b>3000m</b>       | <b>5000m</b>        | <b>5000m</b>        |
|                 | 2 NDB          | <b>370'</b> (301') | <b>370'</b> (301') | <b>370'</b> (301')  | <b>370'</b> (301')  |
|                 |                | <b>1400m</b>       | <b>1400m</b>       | <b>1600m</b>        | <b>1800m</b>        |
|                 | <i>ALS out</i> | 1500m              | 1500m              | 1800m               | 2000m               |
|                 | NDB            | <b>730'</b> (661') | <b>730'</b> (661') | <b>1060'</b> (991') | <b>1060'</b> (991') |
|                 |                | <b>3000m</b>       | <b>3000m</b>       | <b>5000m</b>        | <b>5000m</b>        |
| 30              | ILS            | <b>265'</b> (213') | <b>265'</b> (213') | <b>282'</b> (230')  | <b>282'</b> (230')  |
|                 |                | <b>800m</b>        | <b>800m</b>        | <b>900m</b>         | <b>900m</b>         |
|                 | <i>ALS out</i> | 1000m              | 1000m              | 1000m               | 1000m               |
|                 | LOC            | NOT<br>AUTHORIZED  | NOT<br>AUTHORIZED  | NOT<br>AUTHORIZED   | NOT<br>AUTHORIZED   |
|                 | VOR DME        | <b>710'</b> (658') | <b>710'</b> (658') | <b>1040'</b> (988') | <b>1040'</b> (988') |
|                 |                | <b>3000m</b>       | <b>3000m</b>       | <b>5000m</b>        | <b>5000m</b>        |
|                 | 2 NDB          | <b>370'</b> (318') | <b>370'</b> (318') | <b>370'</b> (318')  | <b>370'</b> (318')  |
|                 |                | <b>1400m</b>       | <b>1400m</b>       | <b>1600m</b>        | <b>1800m</b>        |
|                 | <i>ALS out</i> | 1500m              | 1500m              | 1800m               | 2000m               |
|                 | NDB            | <b>710'</b> (658') | <b>710'</b> (658') | <b>1040'</b> (988') | <b>1040'</b> (988') |
|                 |                | <b>3000m</b>       | <b>3000m</b>       | <b>5000m</b>        | <b>5000m</b>        |

**TAKE-OFF RWY 12, 30**

| DAY              |               |             | NIGHT         |
|------------------|---------------|-------------|---------------|
| RL               | RCLM          | NIL         | RL            |
| A<br>B<br>C<br>D | <b>400m I</b> | <b>500m</b> | <b>400m I</b> |
|                  | <b>500m</b>   |             | <b>400m</b>   |
|                  |               |             |               |

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

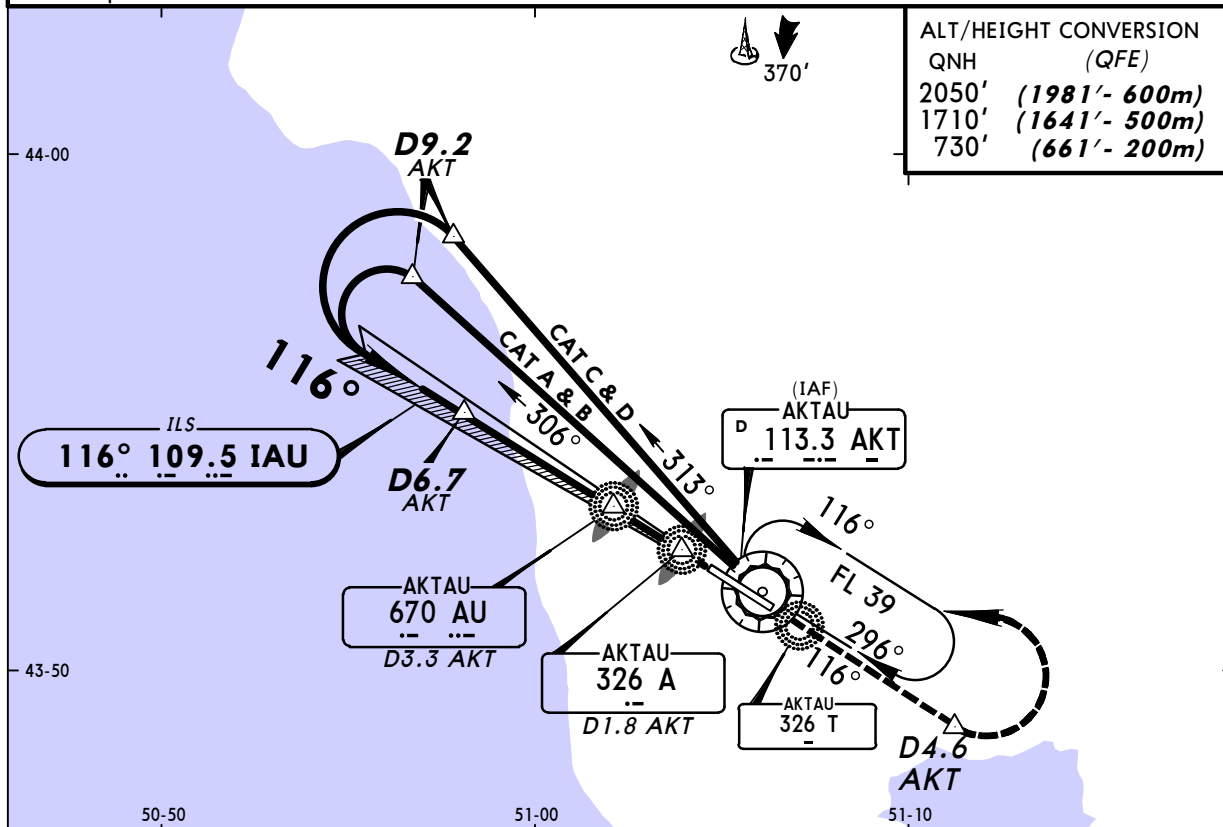
**UATE/SCO**  
**AKTAU**

**JEPPesen**  
1 APR 11 **(11-1)** **Eff 7 Apr**

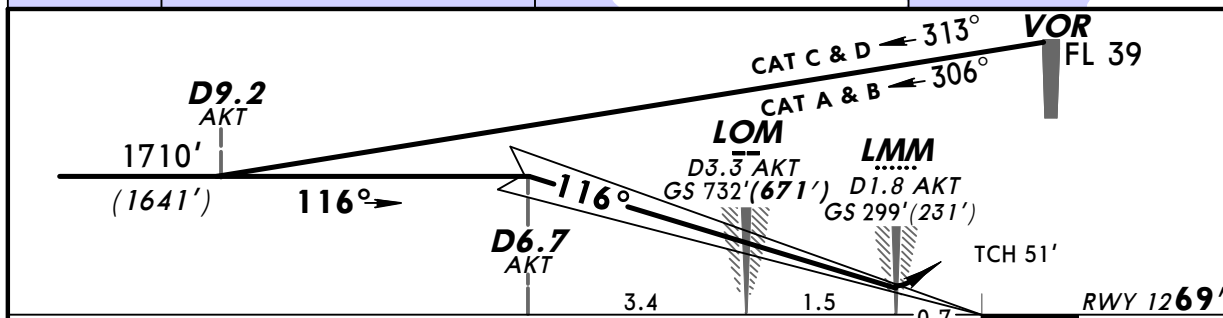
**AKTAU, KAZAKHSTAN**  
**ILS Z Rwy 12**

BRIEFING STRIP

| ATIS                                                                                                                                                                                                                                                                                         |                           | AKTAU Approach          |                                      | AKTAU Tower                 |                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------|--------------------------------------|-----------------------------|-------------------------------------------------------|
| 130.1 (Russian 126.2)                                                                                                                                                                                                                                                                        |                           | 134.3                   |                                      | 120.7                       |                                                       |
| LOC<br>IAU<br>109.5                                                                                                                                                                                                                                                                          | Final<br>Apch Crs<br>116° | GS<br>LOM<br>732'(671') | ILS<br>DA(H)<br>Refer to<br>Minimums | Apt Elev 72'<br><br>RWY 69' | <div><div>2000'</div><div>MSA<br/>AKT VOR</div></div> |
| <div>MISSED APCH: Climb on 116° to 730'(661') or above outbound to D4.6 AKT, then turn LEFT to VOR. Climb initially to 1710'(1641'), then as directed.</div> <div>MISSED APCH WITH COMM FAILURE: Climb to FL 39 to VOR and hold.</div> <div>Missed apch turn restricted to MAX 225 KT.</div> |                           |                         |                                      |                             |                                                       |
| Alt Set: MM (hPa on req)      QNH on req (QFE)      Trans level: FL 39      Trans alt: 2050'(1981')                                                                                                                                                                                          |                           |                         |                                      |                             |                                                       |
| Initial apch restricted to MAX 195 KT.                                                                                                                                                                                                                                                       |                           |                         |                                      |                             |                                                       |



| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 2050'                 | (1981' - 600m) |
| 1710'                 | (1641' - 500m) |
| 730'                  | (661' - 200m)  |



| Gnd speed-Kts | 70    | 90  | 100 | 120 | 140 | 160 | ALS | 730' (661') or above on 116° | D4.6 AKT |
|---------------|-------|-----|-----|-----|-----|-----|-----|------------------------------|----------|
| GS            | 2.67° | 336 | 432 | 480 | 576 | 671 | 767 |                              |          |

| STRAIGHT-IN LANDING RWY 12                 |       |                   |  |
|--------------------------------------------|-------|-------------------|--|
| ILS                                        |       | LOC (GS out)      |  |
| <u>DA(H) AB: 269'(200')</u> CD: 299'(230') |       |                   |  |
| FULL                                       |       | ALS out           |  |
| A                                          | 1200m | NOT<br>AUTHORIZED |  |
| B                                          |       |                   |  |
| C                                          |       |                   |  |
| D                                          |       |                   |  |

PANS OPS

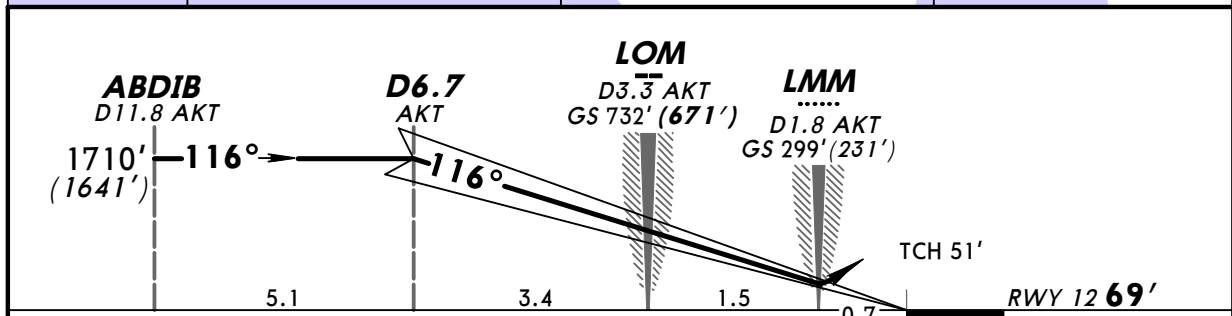
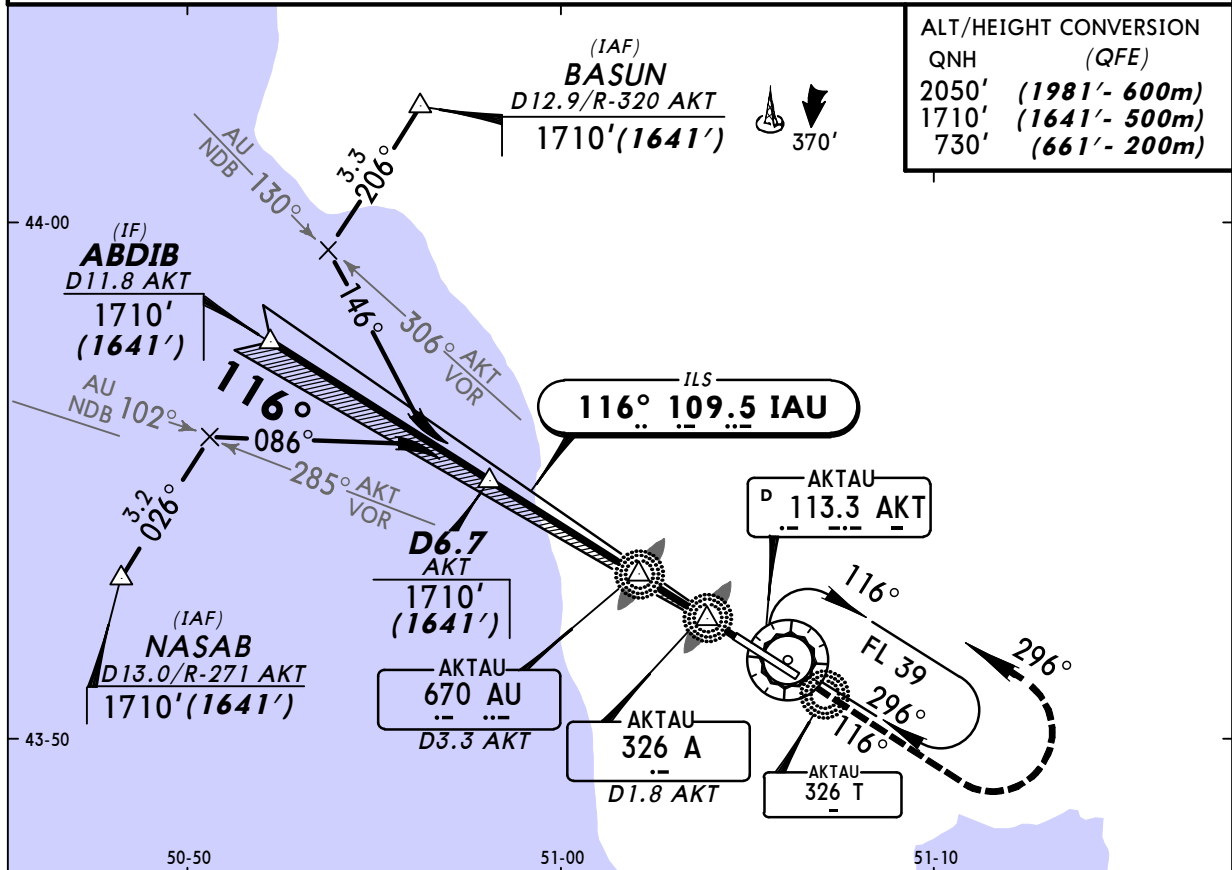
**UATE/SCO**  
**AKTAU**

**JEPPESEN**  
1 APR 11 **(11-2)** Eff 7 Apr

**AKTAU, KAZAKHSTAN**  
**ILS Y Rwy 12**

BRIEFING STRIP

|                                                                                                                  |                           |                         |                                      |                         |  |                                             |
|------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------|--------------------------------------|-------------------------|--|---------------------------------------------|
| ATIS<br>130.1 (Russian 126.2)                                                                                    |                           | AKTAU Approach<br>134.3 |                                      | AKTAU Tower<br>120.7    |  | <div>2000'</div> <div>MSA<br/>AKT VOR</div> |
| LOC<br>IAU<br>109.5                                                                                              | Final<br>Apch Crs<br>116° | GS<br>LOM<br>732'(671') | ILS<br>DA(H)<br>Refer to<br>Minimums | Apt Elev 72'<br>RWY 69' |  |                                             |
| MISSED APCH: Climb on 116° to 730' (661'), then turn LEFT onto 296° climbing to 1710' (1641'), then as directed. |                           |                         |                                      |                         |  |                                             |
|                                                                                                                  |                           |                         |                                      |                         |  |                                             |
| Alt Set: MM (hPa on req)<br>RADAR required.                                                                      |                           | QNH on req (QFE)        |                                      | Trans level: FL 39      |  | Trans alt: 2050'(1981')                     |



|               |       |     |     |     |     |     |                                               |
|---------------|-------|-----|-----|-----|-----|-----|-----------------------------------------------|
| Gnd speed-Kts | 70    | 90  | 100 | 120 | 140 | 160 | <div>ALS</div> <div>730' (661') on 116°</div> |
| GS            | 2.67° | 336 | 432 | 480 | 576 | 671 |                                               |
|               |       |     |     |     |     |     |                                               |

|                                          |       |  |  |  |                |  |  |  |  |  |
|------------------------------------------|-------|--|--|--|----------------|--|--|--|--|--|
| STRAIGHT-IN LANDING RWY 12               |       |  |  |  |                |  |  |  |  |  |
| ILS                                      |       |  |  |  | LOC (GS out)   |  |  |  |  |  |
| $DA_{(H)}$ AB: 269'(200') CD: 299'(230') |       |  |  |  |                |  |  |  |  |  |
| FULL                                     |       |  |  |  | ALS out        |  |  |  |  |  |
| A                                        | 1200m |  |  |  | NOT AUTHORIZED |  |  |  |  |  |
| B                                        |       |  |  |  |                |  |  |  |  |  |
| C                                        |       |  |  |  |                |  |  |  |  |  |
| D                                        |       |  |  |  |                |  |  |  |  |  |

PANS OPS

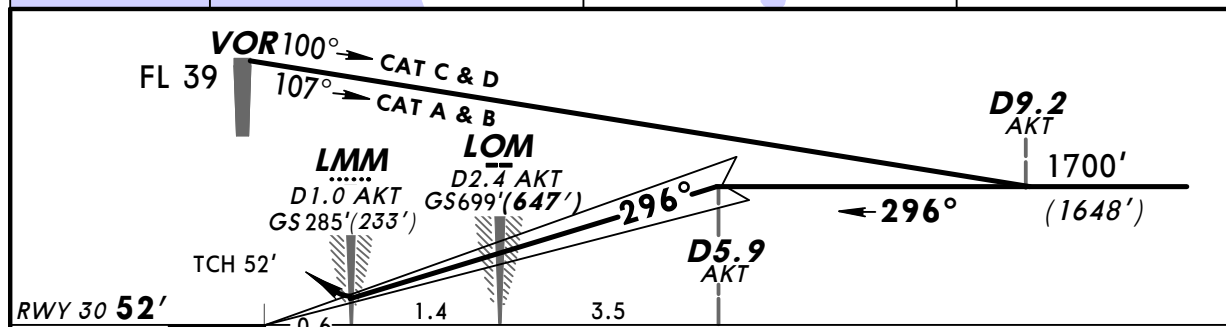
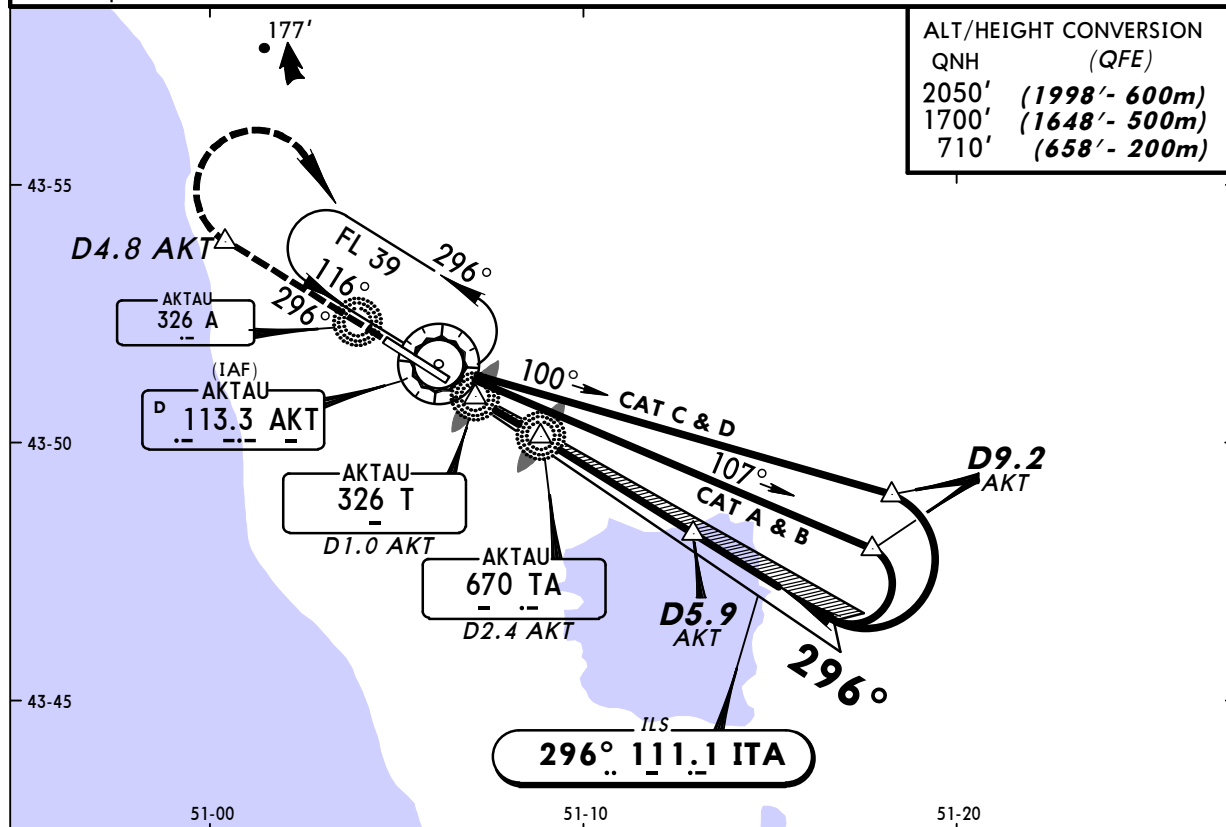
**UATE/SCO**  
**AKTAU**

**JEPPESSEN**  
1 APR 11 **11-3** Eff 7 Apr

**AKTAU, KAZAKHSTAN**  
**ILS Z Rwy 30**

BRIEFING STRIP

| ATIS                                                                                                                                               |                           | AKTAU Approach          |                                      |                         | AKTAU Tower                                 |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------|--------------------------------------|-------------------------|---------------------------------------------|--|
| 130.1 (Russian 126.2)                                                                                                                              |                           | 134.3                   |                                      |                         | 120.7                                       |  |
| LOC<br>ITA<br>111.1                                                                                                                                | Final<br>Apch Crs<br>296° | GS<br>LOM<br>699'(647') | ILS<br>DA(H)<br>Refer to<br>Minimums | Apt Elev 72'<br>RWY 52' | <div>2000'</div> <div>MSA<br/>AKT VOR</div> |  |
| MISSED APCH: Climb on 296° to 710'(658') or above outbound to D4.8 AKT, then turn RIGHT to VOR. Climb initially to 1700'(1648'), then as directed. |                           |                         |                                      |                         |                                             |  |
| MISSED APCH WITH COMM FAILURE: Climb to FL 39 to VOR and hold.<br>Missed apch turn restricted to MAX 225 KT.                                       |                           |                         |                                      |                         |                                             |  |
| Alt Set: MM (hPa on req)                                                                                                                           |                           | QNH on req (QFE)        |                                      | Trans level: FL 39      | Trans alt: 2050'(1998')                     |  |
| Initial apch restricted to MAX 195 KT.                                                                                                             |                           |                         |                                      |                         |                                             |  |



| Gnd speed-Kts | 70    | 90  | 100 | 120 | 140 | 160 | <div style="text-align: center;">ALS</div> <div style="text-align: center;">710'<br/>(658')<br/>or above on 296°</div> | D4.8<br>AKT |
|---------------|-------|-----|-----|-----|-----|-----|------------------------------------------------------------------------------------------------------------------------|-------------|
| GS            | 2.67° | 336 | 432 | 480 | 576 | 671 |                                                                                                                        |             |
|               |       |     |     |     |     |     |                                                                                                                        |             |

| STRAIGHT-IN LANDING RWY 30            |         | LOC (GS out)      |  |
|---------------------------------------|---------|-------------------|--|
| ILS                                   |         |                   |  |
| DA(H) AB: 265' (213') CD: 282' (230') |         |                   |  |
| FULL                                  | ALS out |                   |  |
| A                                     | 1200m   | NOT<br>AUTHORIZED |  |
| B                                     |         |                   |  |
| C                                     |         |                   |  |
| D                                     |         |                   |  |

PANS OPS

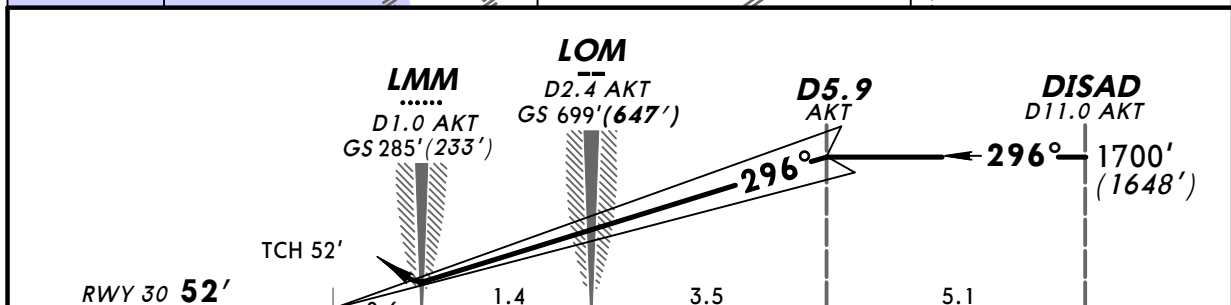
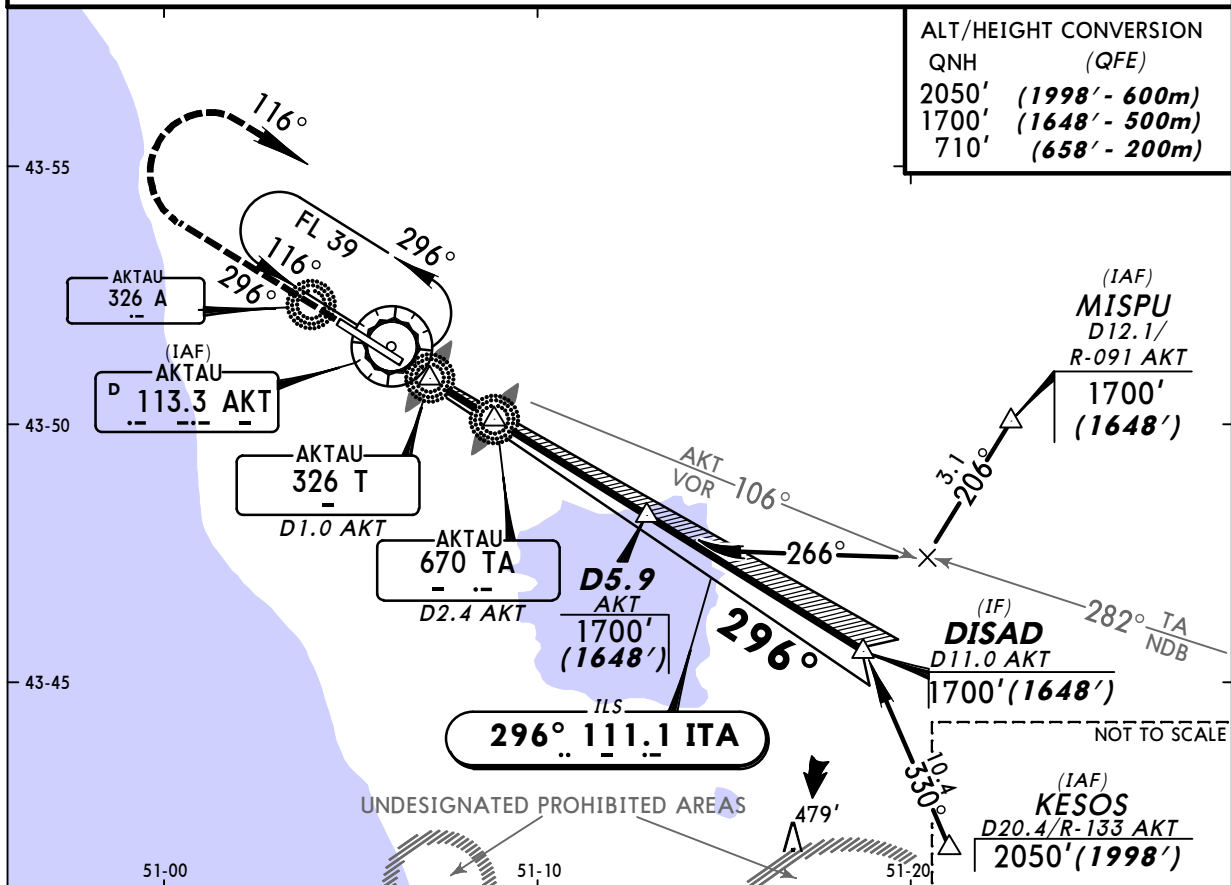
**UATE/SCO**  
**AKTAU**

**JEPPesen**  
1 APR 11 **11-4** Eff 7 Apr

**AKTAU, KAZAKHSTAN**  
**ILS Y Rwy 30**

BRIEFING STRIP

|                                                                                                                   |                           |                          |                                      |                         |  |                                                                  |
|-------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------------------|-------------------------|--|------------------------------------------------------------------|
| ATIS                                                                                                              |                           | AKTAU Approach           |                                      | AKTAU Tower             |  | <div><div></div><div>2000'</div><div>MSA<br/>AKT VOR</div></div> |
| 130.1 (Russian 126.2)                                                                                             |                           | 134.3                    |                                      | 120.7                   |  |                                                                  |
| LOC<br>ITA<br>111.1                                                                                               | Final<br>Apch Crs<br>296° | GS<br>LOM<br>699' (647') | ILS<br>DA(H)<br>Refer to<br>Minimums | Apt Elev 72'<br>RWY 52' |  |                                                                  |
| MISSED APCH: Climb on 296° to 710' (658'), then turn RIGHT onto 116° climbing to 1700' (1648'), then as directed. |                           |                          |                                      |                         |  |                                                                  |
| Alt Set: MM (hPa on req)<br>RADAR required.                                                                       |                           | QNH on req (QFE)         |                                      | Trans level: FL 39      |  |                                                                  |
| Trans alt: 2050' (1998')                                                                                          |                           |                          |                                      |                         |  |                                                                  |



|               |       |     |     |     |     |     |                                                                                                                                                                                                                                           |
|---------------|-------|-----|-----|-----|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gnd speed-Kts | 70    | 90  | 100 | 120 | 140 | 160 | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: black; margin-right: 5px;"></div> <div style="text-align: center;"> <b>710'</b><br/><b>(658')</b> on <b>296°</b> </div> </div> |
| GS            | 2.67° | 336 | 432 | 480 | 576 | 671 |                                                                                                                                                                                                                                           |
|               |       |     |     |     |     |     |                                                                                                                                                                                                                                           |

| STRAIGHT-IN LANDING RWY 30                          |       |              |                   |  |  |
|-----------------------------------------------------|-------|--------------|-------------------|--|--|
| ILS                                                 |       | LOC (GS out) |                   |  |  |
| DA(H) AB: <b>265' (213')</b> CD: <b>282' (230')</b> |       |              |                   |  |  |
| FULL                                                |       | ALS out      |                   |  |  |
| A                                                   | 1200m |              | NOT<br>AUTHORIZED |  |  |
| B                                                   |       |              |                   |  |  |
| C                                                   |       |              |                   |  |  |
| D                                                   |       |              |                   |  |  |

PANS OPS

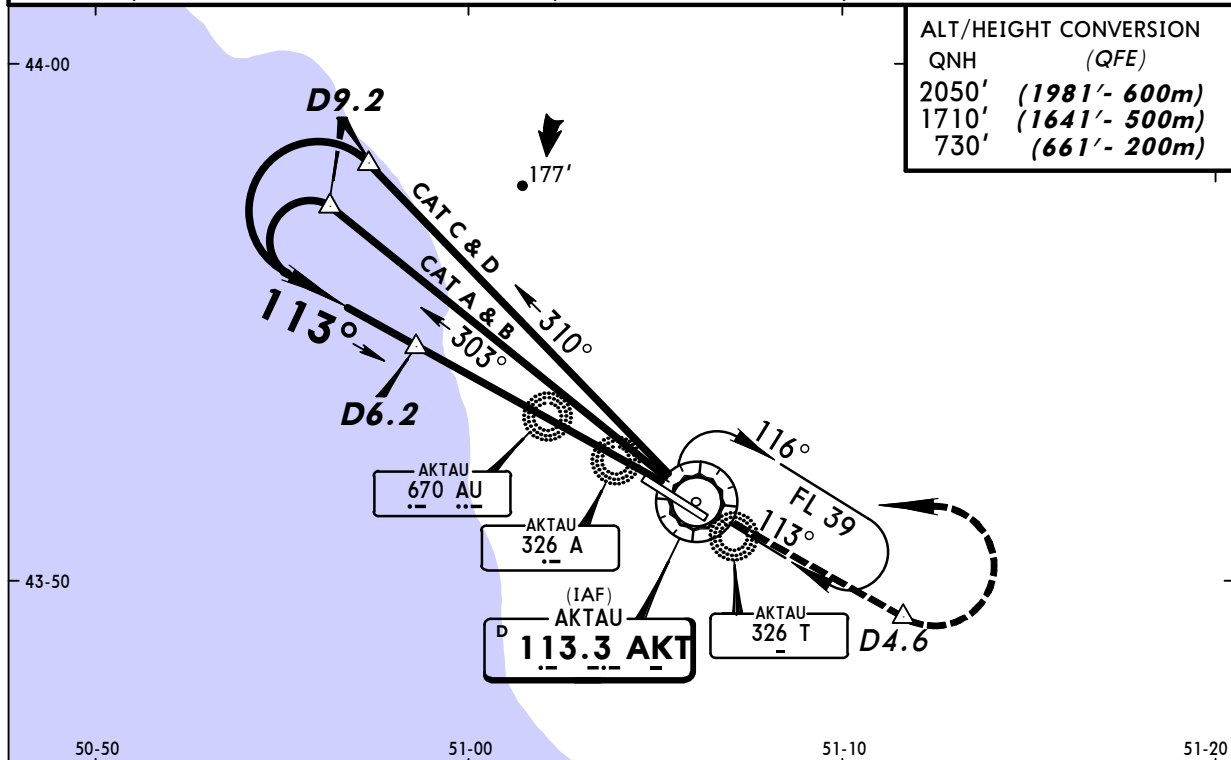
**UATE/SCO**  
**AKTAU**

**JEPPesen**  
1 APR 11 **13-1** Eff 7 Apr

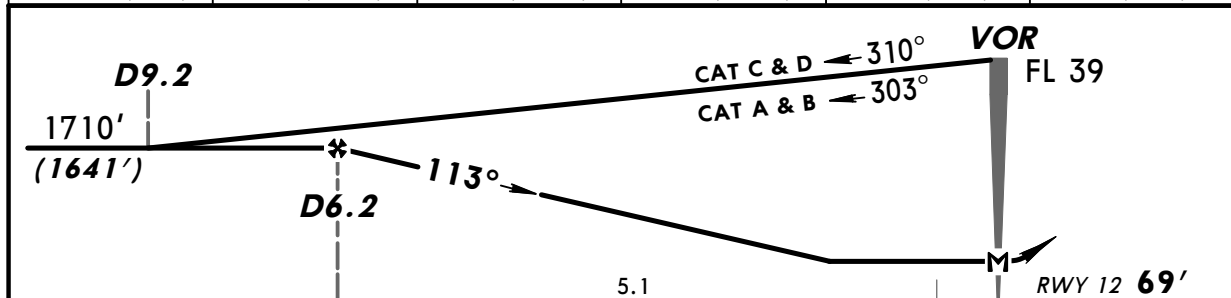
**AKTAU, KAZAKHSTAN**  
**VOR DME Rwy 12**

BRIEFING STRIP

|                                                                                                                                                                                                                                                                                            |                           |                                      |                                |                         |                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------|--------------------------------|-------------------------|---------------------------------------------|
| ATIS                                                                                                                                                                                                                                                                                       |                           | AKTAU Approach                       |                                | AKTAU Tower             |                                             |
| 130.1 (Russian 126.2)                                                                                                                                                                                                                                                                      |                           | 134.3                                |                                | 120.7                   |                                             |
| VOR<br>AKT<br>113.3                                                                                                                                                                                                                                                                        | Final<br>Apch Crs<br>113° | Minimum Alt<br>D6.2<br>1710' (1641') | MDA(H)<br>Refer to<br>Minimums | Apt Elev 72'<br>RWY 69' | <div>2000'</div> <div>MSA<br/>AKT VOR</div> |
| <div>MISSED APCH: Climb on 113° to 730' (661') or above outbound to D4.6, then turn LEFT to VOR. Climb initially to 1710' (1641'), then as directed.</div> <div>MISSED APCH WITH COMM FAILURE: Climb to FL 39 to VOR and hold.</div> <div>Missed apch turn restricted to MAX 225 KT.</div> |                           |                                      |                                |                         |                                             |
| Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 39 Trans alt: 2050' (1981')                                                                                                                                                                                                      |                           |                                      |                                |                         |                                             |
| 1. Initial apch restricted to MAX 195 KT. 2. Final apch track offset 3° from rwy centerline.                                                                                                                                                                                               |                           |                                      |                                |                         |                                             |



|                |               |               |               |             |             |
|----------------|---------------|---------------|---------------|-------------|-------------|
| AKT DME        | 6.2           | 5.1           | 4.2           | 3.1         | 2.2         |
| ALTITUDE (HAT) | 1710' (1641') | 1400' (1331') | 1080' (1011') | 760' (691') | 450' (381') |



|                     |     |     |     |     |     |     |  |     |                         |      |      |
|---------------------|-----|-----|-----|-----|-----|-----|--|-----|-------------------------|------|------|
| Gnd speed-Kts       | 70  | 90  | 100 | 120 | 140 | 160 |  | ALS | 730' (661') or above on | 113° | D4.6 |
| Descent angle 3.00° | 372 | 478 | 531 | 637 | 743 | 849 |  |     |                         |      |      |
| MAP at VOR          |     |     |     |     |     |     |  |     |                         |      |      |

|                            |       |  |  |  |
|----------------------------|-------|--|--|--|
| STRAIGHT-IN LANDING RWY 12 |       |  |  |  |
| MDA(H) AB: 730'(661')      |       |  |  |  |
| CD: 1060'(991')            |       |  |  |  |
| ALS out                    |       |  |  |  |
| A                          | 3000m |  |  |  |
| B                          |       |  |  |  |
| C                          | 5000m |  |  |  |
| D                          |       |  |  |  |

PANS OPS

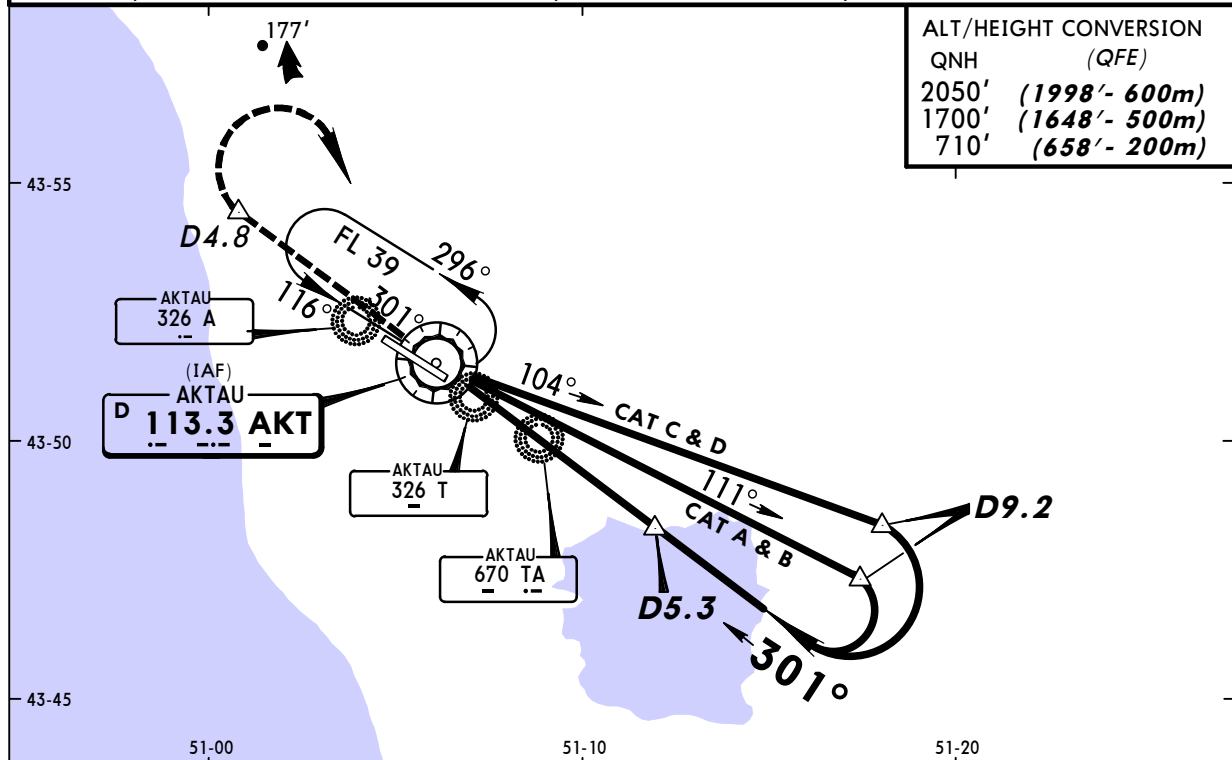
**UATE/SCO**  
**AKTAU**

**JEPPesen**  
1 APR 11 **(13-2)** Eff 7 Apr

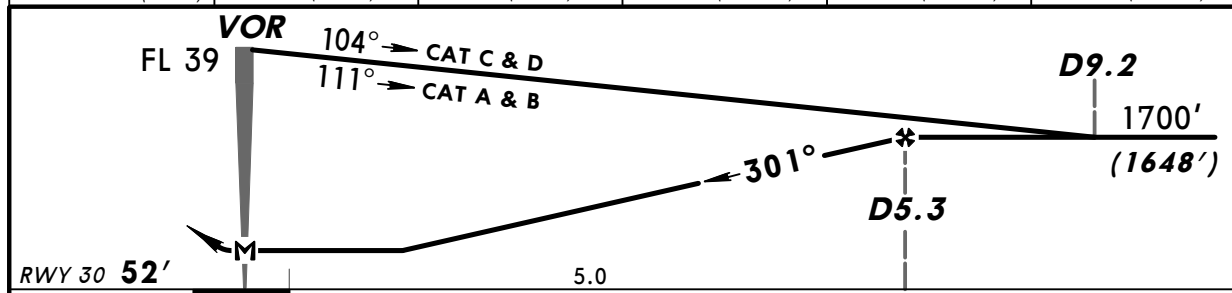
**AKTAU, KAZAKHSTAN**  
**VOR DME Rwy 30**

BRIEFING STRIP

| ATIS                                                                                                                                                                                                                                                                                     |                           | AKTAU Approach                       |                                | AKTAU Tower                 |                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------|--------------------------------|-----------------------------|---------------------------------------------|
| 130.1 (Russian 126.2)                                                                                                                                                                                                                                                                    |                           | 134.3                                |                                | 120.7                       |                                             |
| VOR<br>AKT<br>113.3                                                                                                                                                                                                                                                                      | Final<br>Apch Crs<br>301° | Minimum Alt<br>D5.3<br>1700' (1648') | MDA(H)<br>Refer to<br>Minimums | Apt Elev 72'<br><br>RWY 52' | <div>2000'</div> <div>MSA<br/>AKT VOR</div> |
| <div>MISSED APCH: Climb on 301° to 710' (658') or above outbound to D4.8, then turn RIGHT to VOR. Climb initially to 1700' (1648'), then as directed.</div> <div>MISSED APCH WITH COMM FAILURE: Climb to FL 39 to VOR and hold.</div> <div>Missed apch turn limited to MAX 225 KT.</div> |                           |                                      |                                |                             |                                             |
| Alt Set: MM (hPa on req)                                                                                                                                                                                                                                                                 |                           | QNH on req (QFE)                     |                                | Trans level: FL 39          |                                             |
| Trans alt: 2050' (1998')                                                                                                                                                                                                                                                                 |                           |                                      |                                |                             |                                             |
| 1. Initial apch restricted to MAX 195 KT. 2. Final apch track offset 5° from rwy centerline.                                                                                                                                                                                             |                           |                                      |                                |                             |                                             |



| AKT DME        | 1.3         | 2.3         | 3.3           | 4.3           | 5.3           |
|----------------|-------------|-------------|---------------|---------------|---------------|
| ALTITUDE (HAT) | 430' (378') | 740' (688') | 1070' (1018') | 1380' (1328') | 1700' (1648') |



| Gnd speed-Kts       | 70  | 90  | 100 | 120 | 140 | 160 |
|---------------------|-----|-----|-----|-----|-----|-----|
| Descent angle 3.00° | 372 | 478 | 531 | 637 | 743 | 849 |
| MAP at VOR          |     |     |     |     |     |     |

|                            |       |         |  |
|----------------------------|-------|---------|--|
| STRAIGHT-IN LANDING RWY 30 |       |         |  |
| MDA(H) AB: 710'(658')      |       |         |  |
| CD: 1040'(988')            |       |         |  |
|                            |       | ALS out |  |
| A                          | 3000m |         |  |
| B                          |       |         |  |
| C                          |       |         |  |
| D                          |       |         |  |
|                            |       |         |  |

PANS OPS

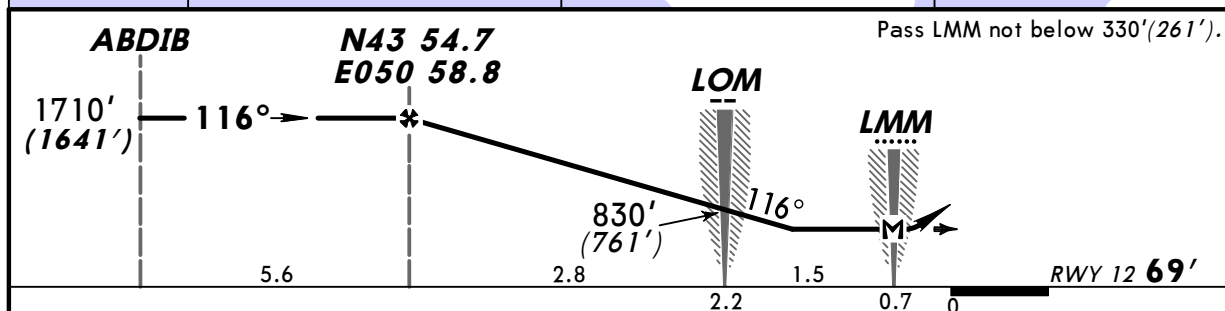
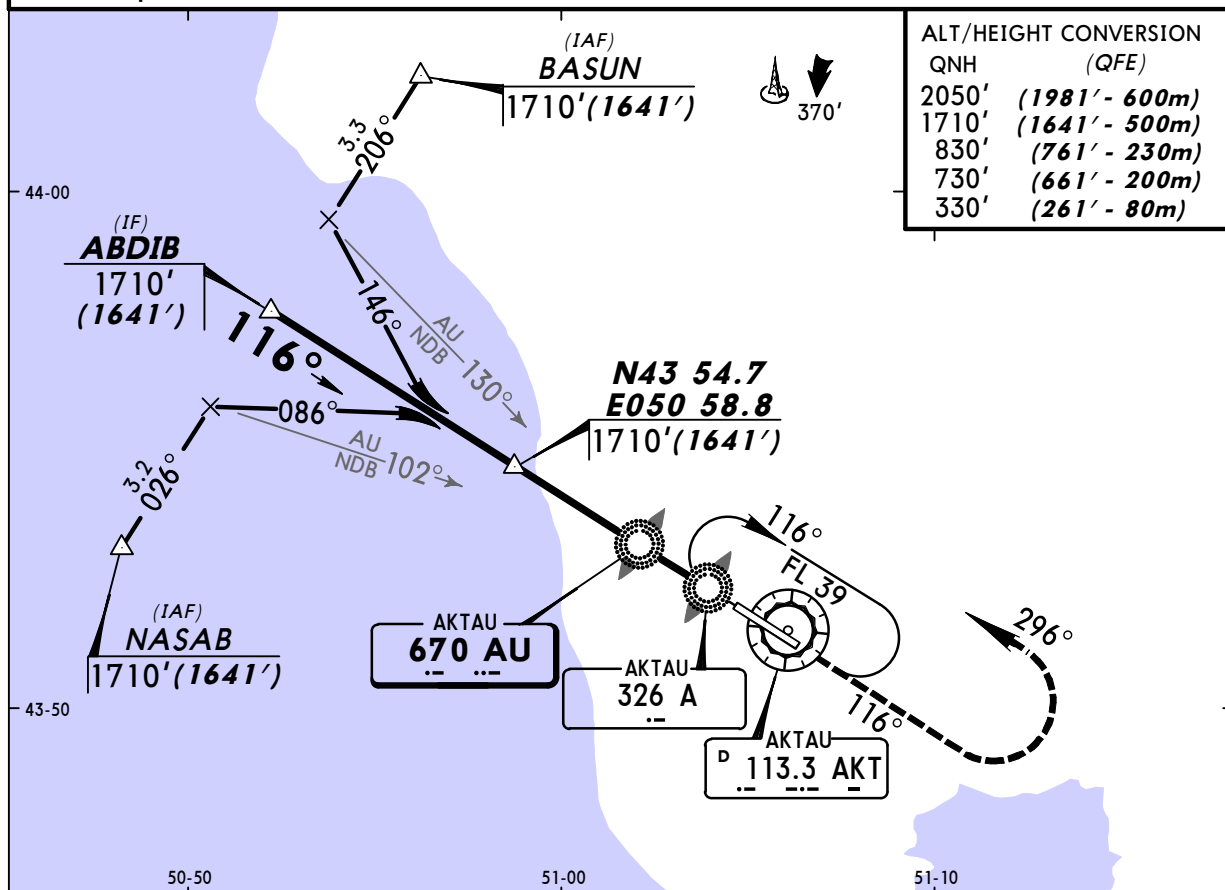
**UATE/SCO**  
**AKTAU**

**JEPPesen**  
1 APR 11 **(16-1)** Eff 7 Apr

**AKTAU, KAZAKHSTAN**  
**2 NDB Rwy 12**

BRIEFING STRIP

|                                                                                                                    |                           |                                                    |                       |                         |  |                                                                  |
|--------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------|-----------------------|-------------------------|--|------------------------------------------------------------------|
| ATIS                                                                                                               |                           | AKTAU Approach                                     |                       | AKTAU Tower             |  | <div><div></div><div>2000'</div><div>MSA<br/>AKT VOR</div></div> |
| 130.1 (Russian 126.2)                                                                                              |                           | 134.3                                              |                       | 120.7                   |  |                                                                  |
| NDB<br>AU<br>670                                                                                                   | Final<br>Apch Crs<br>116° | Minimum Alt<br>N43 54.7 E050 58.8<br>1710' (1641') | MDA(H)<br>370' (301') | Apt Elev 72'<br>RWY 69' |  |                                                                  |
| MISSED APCH: Climb on 116° to 730' (661') , then turn LEFT onto 296° climbing to 1710' (1641') , then as directed. |                           |                                                    |                       |                         |  |                                                                  |
| Alt Set: MM (hPa on req)<br>RADAR required.                                                                        |                           | QNH on req (QFE)                                   |                       | Trans level: FL 39      |  | Trans alt: 2050' (1981')                                         |



|                     |     |     |     |     |     |     |                                                                                                              |
|---------------------|-----|-----|-----|-----|-----|-----|--------------------------------------------------------------------------------------------------------------|
| Gnd speed-Kts       | 70  | 90  | 100 | 120 | 140 | 160 | <br>730' (661') on 116° |
| Descent angle 3.00° | 372 | 478 | 531 | 637 | 743 | 849 |                                                                                                              |
| MAP at LMM          |     |     |     |     |     |     |                                                                                                              |

|                            |                        |         |  |
|----------------------------|------------------------|---------|--|
| STRAIGHT-IN LANDING RWY 12 |                        |         |  |
| MDA(H) 370'(301')          |                        |         |  |
|                            |                        | ALS out |  |
| A                          | RVR 1500m<br>VIS 1600m |         |  |
| B                          |                        |         |  |
| C                          |                        |         |  |
| D                          |                        |         |  |

PANS OPS

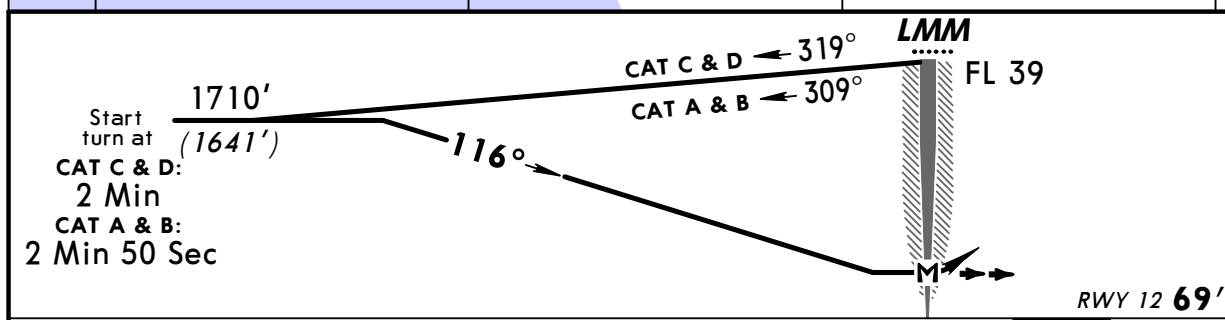
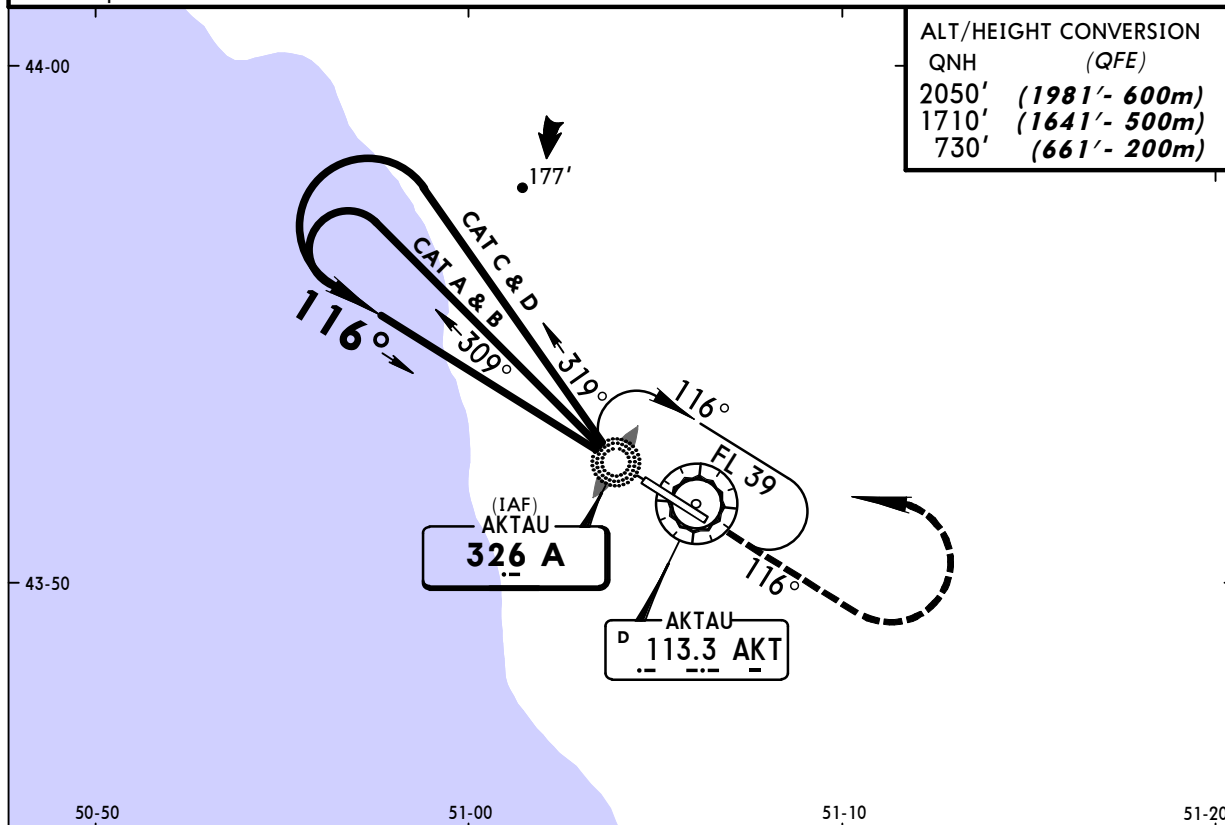
**UATE/SCO**  
**AKTAU**

**JEPPESEN**  
1 APR 11 **(16-2)** Eff 7 Apr

**AKTAU, KAZAKHSTAN**  
**NDB Rwy 12**

BRIEFING STRIP

|                                                                                                                                                                                                                                                                                                                             |                           |                       |                                |                          |                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|--------------------------------|--------------------------|---------------------------------------------|
| ATIS                                                                                                                                                                                                                                                                                                                        |                           | AKTAU Approach        |                                | AKTAU Tower              |                                             |
| 130.1 (Russian 126.2)                                                                                                                                                                                                                                                                                                       |                           | 134.3                 |                                | 120.7                    |                                             |
| NDB<br>A<br>326                                                                                                                                                                                                                                                                                                             | Final<br>Apch Crs<br>116° | Minimum Alt<br>No FAF | MDA(H)<br>Refer to<br>Minimums | Apt Elev 72'<br>RWY 69'  | <div>2000'</div> <div>MSA<br/>AKT VOR</div> |
| <div>MISSED APCH: Climb on 116° to 730' (661') or above. After passing NDB maintain 116° for 1 Min 20 Sec, then turn LEFT to NDB. Climb initially to 1710' (1641'), then as directed.</div> <div>MISSED APCH WITH COMM FAILURE: Climb to FL 39 to NDB and hold.</div> <div>Missed apch turn restricted to MAX 225 KT.</div> |                           |                       |                                |                          |                                             |
| Alt Set: MM (hPa on req)                                                                                                                                                                                                                                                                                                    |                           | QNH on req (QFE)      |                                | Trans level: FL 39       |                                             |
| Initial apch restricted to MAX 195 KT.                                                                                                                                                                                                                                                                                      |                           |                       |                                | Trans alt: 2050' (1981') |                                             |



|            |  |  |  |  |  |                            |  |
|------------|--|--|--|--|--|----------------------------|--|
| MAP at LMM |  |  |  |  |  | Refer to Missed Apch above |  |
|------------|--|--|--|--|--|----------------------------|--|

|                            |       |         |  |
|----------------------------|-------|---------|--|
| STRAIGHT-IN LANDING RWY 12 |       |         |  |
| MDA(H) AB: 730'(661')      |       |         |  |
| CD: 1060'(991')            |       |         |  |
|                            |       | ALS out |  |
| A                          | 3000m |         |  |
| B                          |       |         |  |
| C                          | 5000m |         |  |
| D                          |       |         |  |

PANS OPS

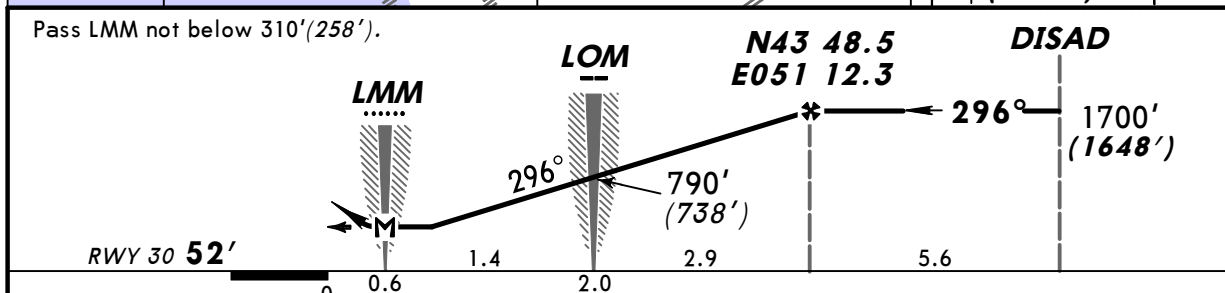
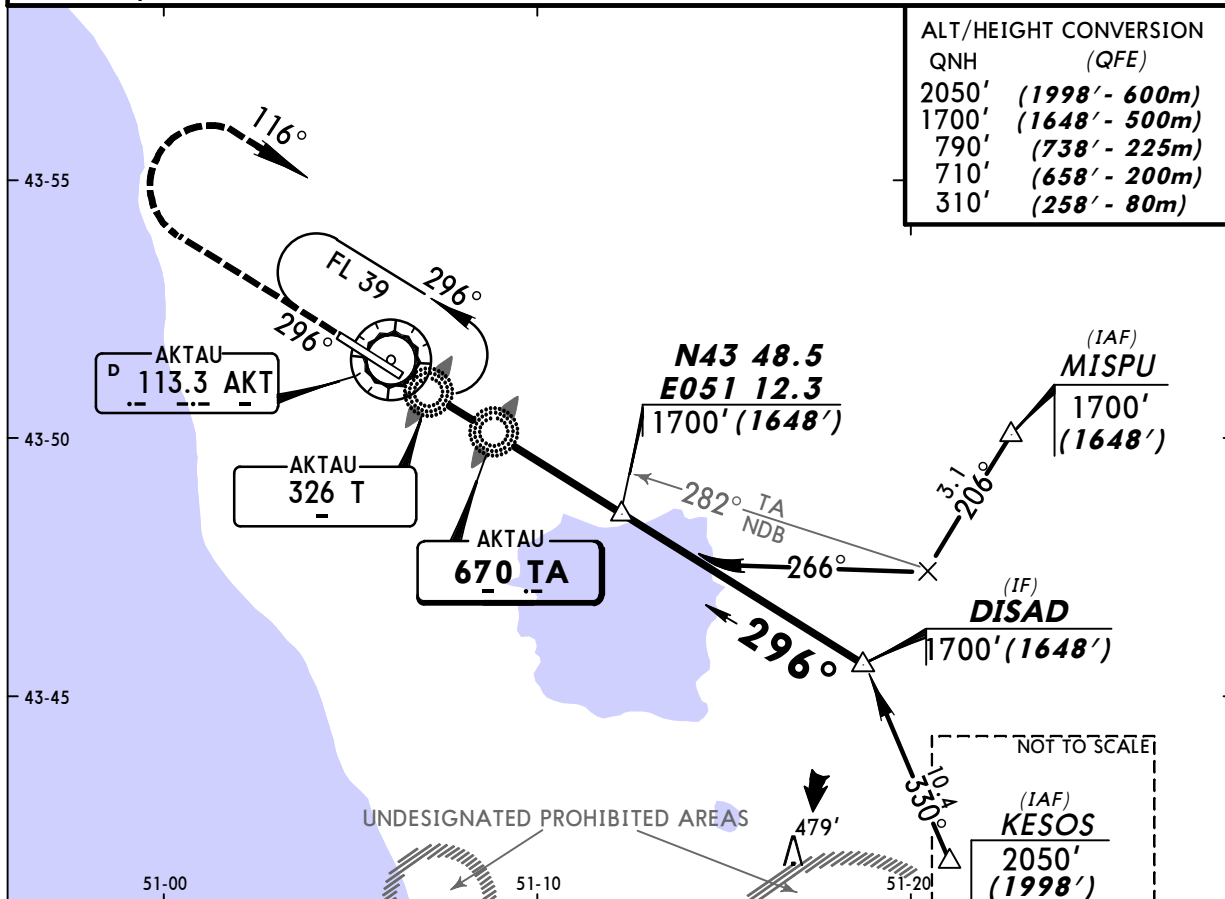
**UATE/SCO**  
**AKTAU**

**JEPPESEN**  
1 APR 11 **(16-3)** **Eff 7 Apr**

**AKTAU, KAZAKHSTAN**  
**2 NDB Rwy 30**

BRIEFING STRIP

|                                                                                                                    |                           |                                                    |                       |                         |  |                                                                  |
|--------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------|-----------------------|-------------------------|--|------------------------------------------------------------------|
| ATIS                                                                                                               |                           | AKTAU Approach                                     |                       | AKTAU Tower             |  | <div><div></div><div>2000'</div><div>MSA<br/>AKT VOR</div></div> |
| 130.1 (Russian 126.2)                                                                                              |                           | 134.3                                              |                       | 120.7                   |  |                                                                  |
| NDB<br>TA<br>670                                                                                                   | Final<br>Apch Crs<br>296° | Minimum Alt<br>N43 48.5 E051 12.3<br>1700' (1648') | MDA(H)<br>370' (318') | Apt Elev 72'<br>RWY 52' |  |                                                                  |
| MISSED APCH: Climb on 296° to 710' (658') , then turn RIGHT onto 116° climbing to 1700' (1648'), then as directed. |                           |                                                    |                       |                         |  |                                                                  |
| Alt Set: MM (hPa on req)                                                                                           |                           | QNH on req (QFE)                                   |                       | Trans level: FL 39      |  | Trans alt: 2050' (1998')                                         |
| RADAR required.                                                                                                    |                           |                                                    |                       |                         |  |                                                                  |



|                     |     |     |     |     |     |     |                                                                                                                            |
|---------------------|-----|-----|-----|-----|-----|-----|----------------------------------------------------------------------------------------------------------------------------|
| Gnd speed-Kts       | 70  | 90  | 100 | 120 | 140 | 160 | <br><b>710' (658')</b> on <b>296°</b> |
| Descent angle 3.00° | 372 | 478 | 531 | 637 | 743 | 849 |                                                                                                                            |
| MAP at LMM          |     |     |     |     |     |     |                                                                                                                            |

|                            |                        |         |  |
|----------------------------|------------------------|---------|--|
| STRAIGHT-IN LANDING RWY 30 |                        |         |  |
| MDA(H) 370'(318')          |                        |         |  |
|                            |                        | ALS out |  |
| A                          | RVR 1500m<br>VIS 1600m |         |  |
| B                          |                        |         |  |
| C                          |                        |         |  |
| D                          |                        |         |  |

PANS OPS

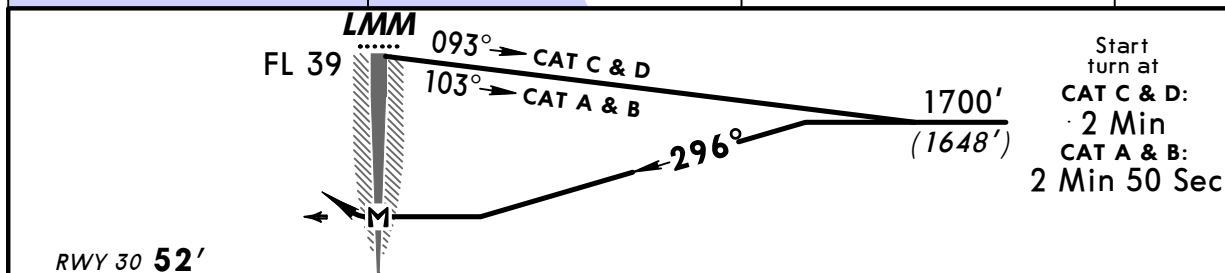
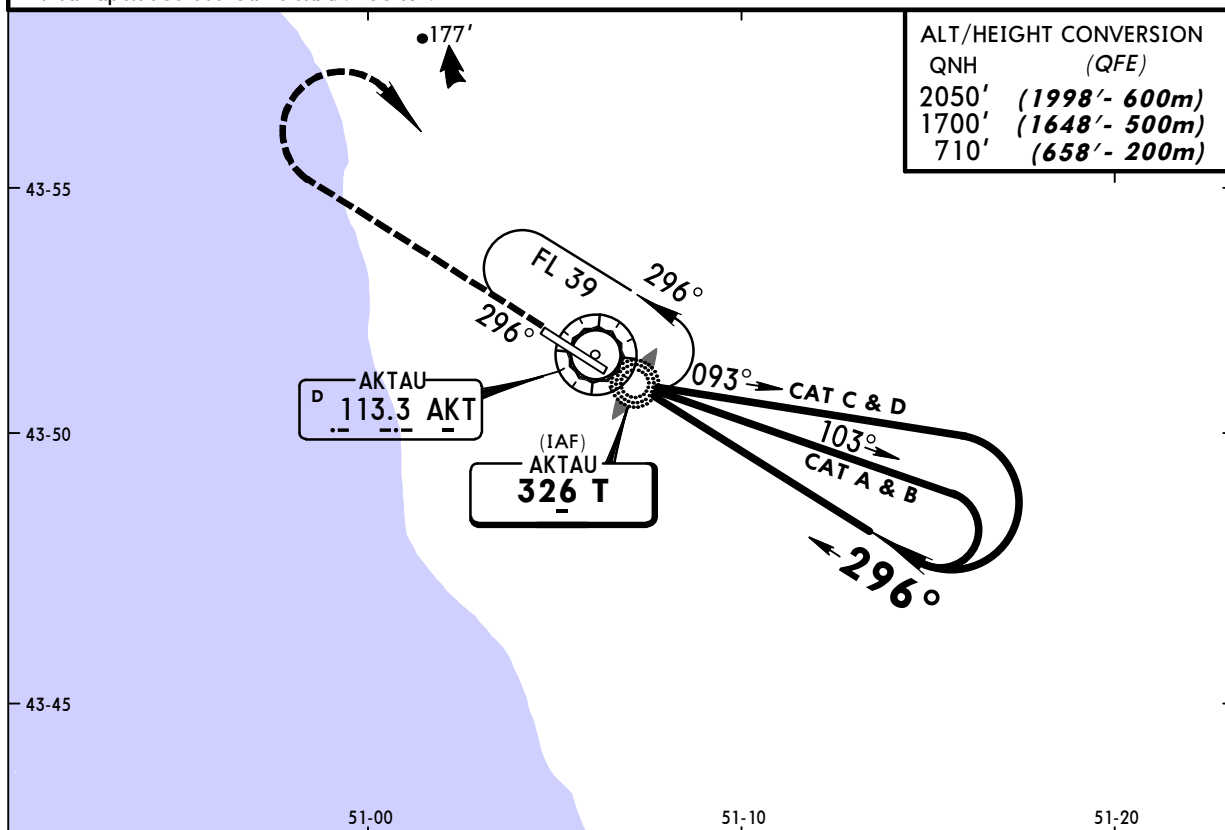
**UATE/SCO**  
**AKTAU**

**JEPPesen**  
1 APR 11 **(16-4)** Eff 7 Apr

**AKTAU, KAZAKHSTAN**  
**NDB Rwy 30**

BRIEFING STRIP

| ATIS                                                                                                                                                                                                                                                                                                                         |                           | AKTAU Approach        |                                |                         | AKTAU Tower                                 |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|--------------------------------|-------------------------|---------------------------------------------|--|
| 130.1 (Russian 126.2)                                                                                                                                                                                                                                                                                                        |                           | 134.3                 |                                |                         | 120.7                                       |  |
| NDB<br>T<br>326                                                                                                                                                                                                                                                                                                              | Final<br>Apch Crs<br>296° | Minimum Alt<br>No FAF | MDA(H)<br>Refer to<br>Minimums | Apt Elev 72'<br>RWY 52' | <div>2000'</div> <div>MSA<br/>AKT VOR</div> |  |
| <div>MISSED APCH: Climb on 296° to 710' (658') or above. After passing NDB maintain 296° for 1 Min 20 Sec, then turn RIGHT to NDB. Climb initially to 1700' (1648'), then as directed.</div> <div>MISSED APCH WITH COMM FAILURE: Climb to FL 39 to NDB and hold.</div> <div>Missed apch turn restricted to MAX 225 KT.</div> |                           |                       |                                |                         |                                             |  |
| <div>Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 39 Trans alt: 2050' (1998')</div> <div>Initial apch restricted to MAX 195 KT.</div>                                                                                                                                                                           |                           |                       |                                |                         |                                             |  |



|            |  |  |  |  |     |                            |
|------------|--|--|--|--|-----|----------------------------|
| MAP at LMM |  |  |  |  | ALS | Refer to Missed Apch above |
|------------|--|--|--|--|-----|----------------------------|

|                           |       |         |  |  |  |
|---------------------------|-------|---------|--|--|--|
| STRAIGHT-IN LANDING RWY30 |       |         |  |  |  |
| MDA(H) AB: 710'(658')     |       |         |  |  |  |
| CD: 1040'(988')           |       |         |  |  |  |
|                           |       | ALS out |  |  |  |
| A                         | 3000m |         |  |  |  |
| B                         |       |         |  |  |  |
| C                         |       |         |  |  |  |
| D                         |       |         |  |  |  |
|                           |       | 5000m   |  |  |  |

PANS OPS