

Page 1

Changed chart(s) since Disc 22-2010

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

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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Aktobe, (Aktobe - UATT)

REV	STANDARD MNMS	10-9S	12 ïŸ 2010	18 ïŸ 2010
REV	JAA MNMS	10-9X	12 ïŸ 2010	18 ïŸ 2010
ADD	NDB RWY 31	16-3	12 ïŸ 2010	18 ïŸ 2010

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UATT

General Info

Aktobe, KAZ

N 50° 14.7' E 57° 12.4' Mag Var: 9.1°E

Elevation: 738'

Public, IFR, Control Tower, Customs

Fuel: 100-130, 115-145, Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+5:00 no DST

Runway Info

Runway 13-31 10508' x 151' concrete

Runway 13 (126.0°M) TDZE 719'

Lights: Edge, ALS

Runway 31 (306.0°M) TDZE 738'

Lights: Edge, ALS

Communications InfoATIS **127.8** Non-EnglishATIS **126.0**Aktobe Tower **120.9****Notebook Info**

UATT/ AKX
AKTOBE



6 NOV 09

(10-1R)

Eff 19 Nov

AKTOBE, KAZAKHSTAN

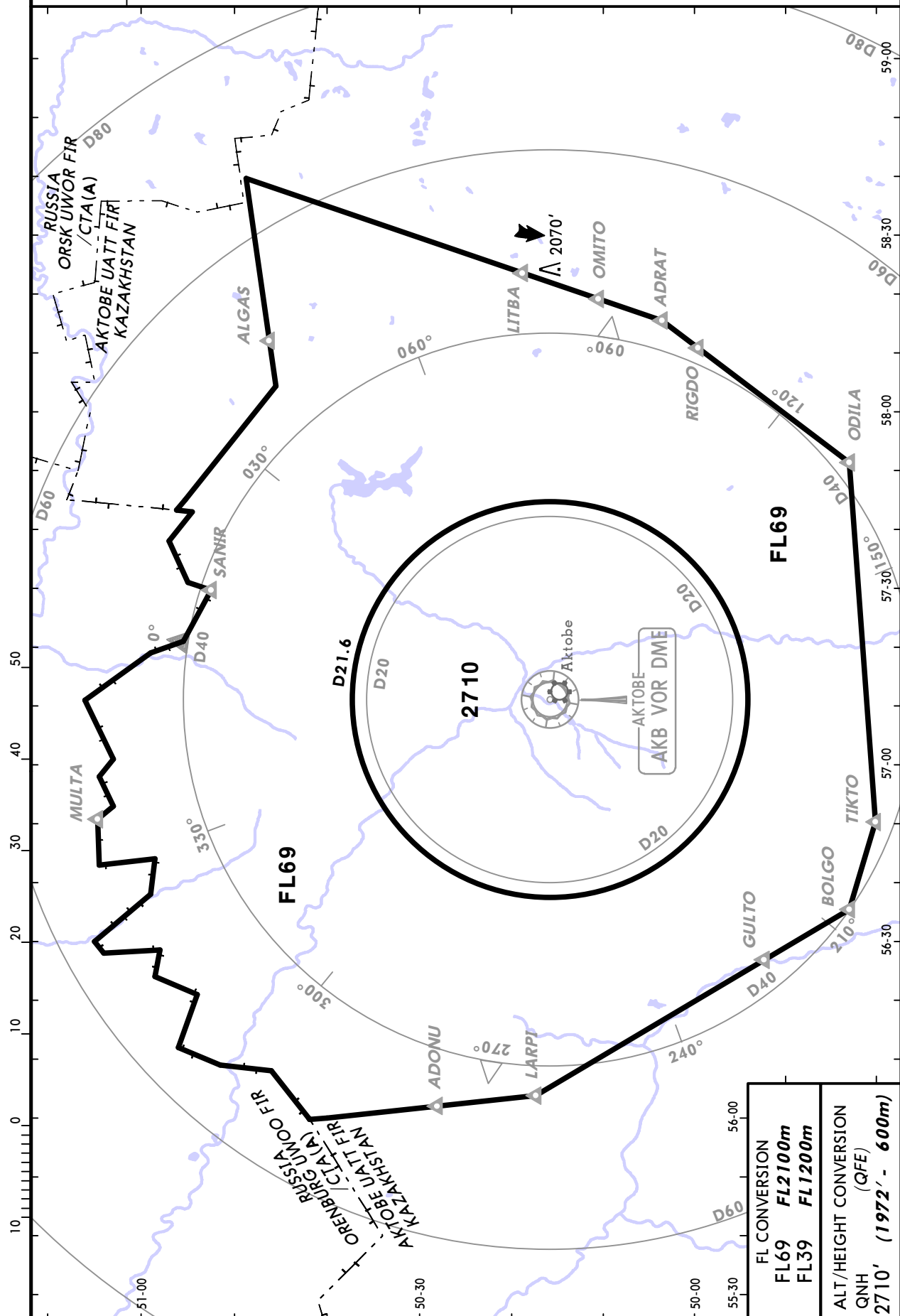
RADAR MINIMUM ALTITUDES

Apt Elev
738'

Alt Set: MM (hPa on request) QNH on request **(QFE)**Trans level: FL39 Trans alt: 2710' **(1972')**

1. Chart only to be used for cross-checking of altitudes assigned while under radar control.

2. Levels assigned by ATC include a correction for low temperature effect when necessary.



CHANGES: New chart.

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UATT/AKX
AKTOBE

JEPPESEN
 26 MAR 10 **10-2**

Eff 8 Apr

AKTOBE, KAZAKHSTAN

STAR

ATIS
 126.0 (Russian 127.8)

Apt Elev
 738'

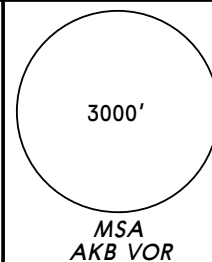
Alt Set: MM (hPa on request) QNH on request
 Trans level: FL39 Trans alt: 2710' (1992')
 FL by ATC.

(QFE)

ALGAS 1K [ALGA1K], MULTA 1K [MULT1K]
SANIR 1K [SANI1K]
RWY 13 ARRIVALS

ALGAS 1L [ALGA1L], MULTA 1L [MULT1L]
SANIR 1L [SANI1L]
RWY 31 ARRIVALS

FROM NORTH & NORTHEAST
 BASED ON AKB

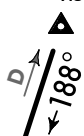


MULTA
 N51 04.7 E056 50.7



MULTA 1K, 1L
 50.6

SANIR
 N50 52.5 E057 29.7

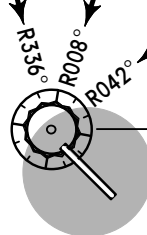


SANIR 1K, 1L
 38.7

ALGAS
 N50 46.2 E058 12.1



ALGAS 1K, 1L
 49.5



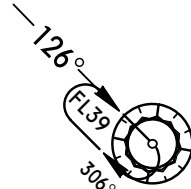
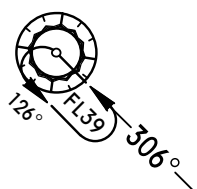
(IAF)
AKTOBE
 113.4 AKB
 N50 15.8 E057 11.0
 At FL39



HOLDINGS OVER AKB

RWY 13

RWY 31



FL CONVERSION
 FL39 **FL 1200m**

ALT/HEIGHT CONVERSION
 QNH (QFE)
 2710' (1992' - 600m)

UATT/AKX
AKTOBE

JEPPESSEN
26 MAR 10 **(10-2A)**

Eff 8 Apr

AKTOBE, KAZAKHSTAN

STAR

ATIS
126.0 (Russian **127.8**)

Apt Elev
738'

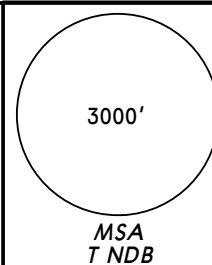
Alt Set: MM (hPa on request) QNH on request
Trans level: FL39 Trans alt: 2710' (**1972'**)
FL by ATC.

(QFE)

ALGAS 1E [ALGA1E], MULTA 1E [MULT1E]
SANIR 1E [SANI1E]
RWY 31 ARRIVALS

ALGAS 2J [ALGA2J], MULTA 2J [MULT2J]
SANIR 2J [SANI2J]
RWY 13 ARRIVALS

FROM NORTH & NORTHEAST
BASED ON T



MULTA

N51 04.7 E056 50.7

154°
MULTA 1E, 2J
53

SANIR

N50 52.5 E057 29.7

186°
SANIR 1E, 2J
40

ALGAS

N50 46.2 E058 12.1

220°
ALGAS 1E, 2J
49



(IAF)

AKTOBE

670 T

N50 13.8 E057 13.9

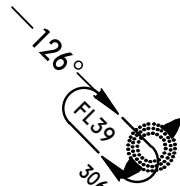
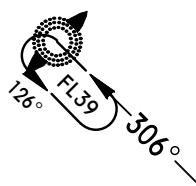
At FL39



HOLDINGS OVER T

RWY 13

RWY 31



FL CONVERSION
FL39 **FL 1200m**

ALT/HEIGHT CONVERSION
QNH (QFE)
2710' (**1972' - 600m**)

UATT/AKX
AKTOBE

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

AKTOBE, KAZAKHSTAN
STAR

ATIS
126.0 (Russian 127.8)

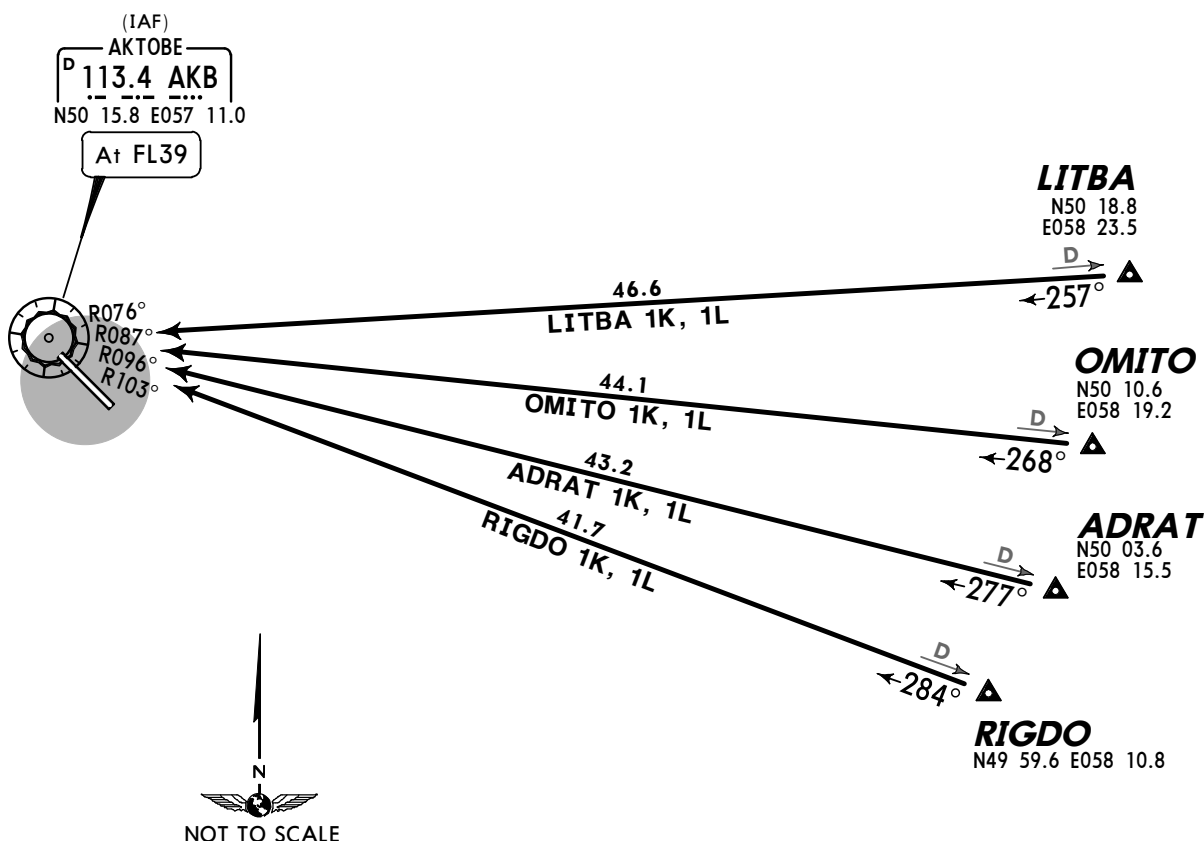
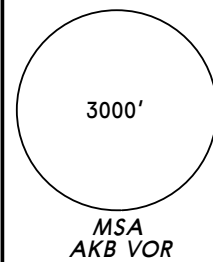
Apt Elev
738'

Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL39 Trans alt: 2710' (1992')
 FL by ATC.

ADRAT 1K [ADRA1K], LITBA 1K [LITB1K]
OMITO 1K [OMIT1K], RIGDO 1K [RIGD1K]
RWY 13 ARRIVALS

ADRAT 1L [ADRA1L], LITBA 1L [LITB1L]
OMITO 1L [OMIT1L], RIGDO 1L [RIGD1L]
RWY 31 ARRIVALS

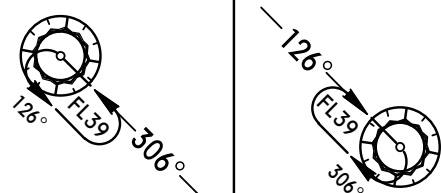
FROM EAST
 BASED ON AKB



HOLDINGS OVER AKB

RWY 13

RWY 31



FL CONVERSION
 FL39 **FL 1200m**

ALT/HEIGHT CONVERSION
 QNH (QFE)
 2710' (1992' - 600m)

UATT/AKX
AKTOBE

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

AKTOBE, KAZAKHSTAN

STAR

ATIS
126.0 (Russian 127.8)

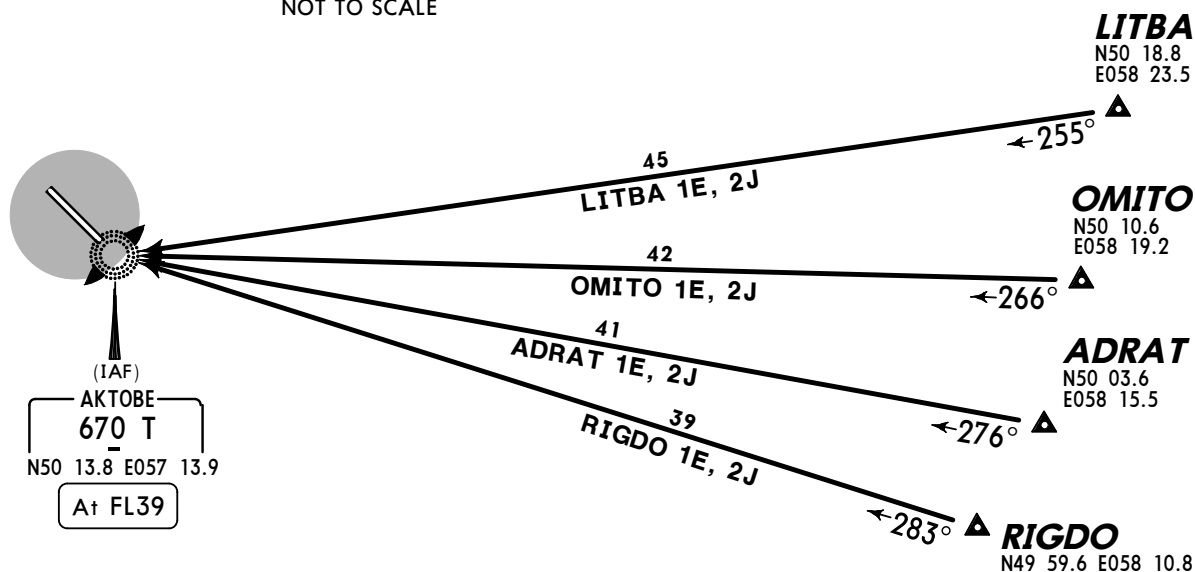
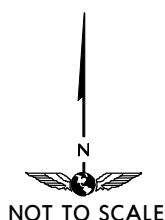
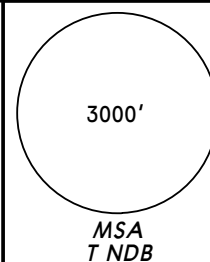
Apt Elev
738'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
 Trans level: FL39 Trans alt: 2710' **(1972')**
 FL by ATC.

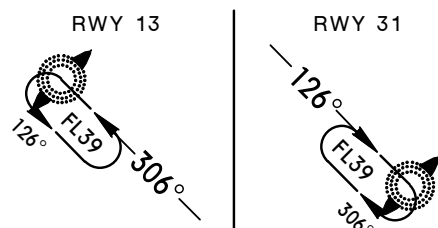
ADRAT 1E [ADRA1E], LITBA 1E [LITB1E]
OMITO 1E [OMIT1E], RIGDO 1E [RIGD1E]
RWY 31 ARRIVALS

ADRAT 2J [ADRA2J], LITBA 2J [LITB2J]
OMITO 2J [OMIT2J], RIGDO 2J [RIGD2J]
RWY 13 ARRIVALS

FROM EAST
BASED ON T



HOLDINGS OVER T



FL CONVERSION
 FL39 **FL 1200m**

ALT/HEIGHT CONVERSION
 QNH **(QFE)**
 2710' **(1972' - 600m)**

UATT/AKX
AKTOBE

JEPPESSEN
16 JUL 10 **10-2D** **Eff 29 Jul**

AKTOBE, KAZAKHSTAN

STAR

ATIS
126.0 (Russian **127.8**)

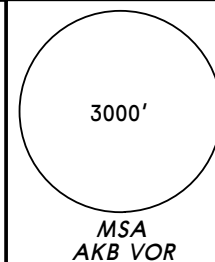
Apt Elev
738'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL39 Trans alt: 2710' (**1992'**)
FL by ATC.

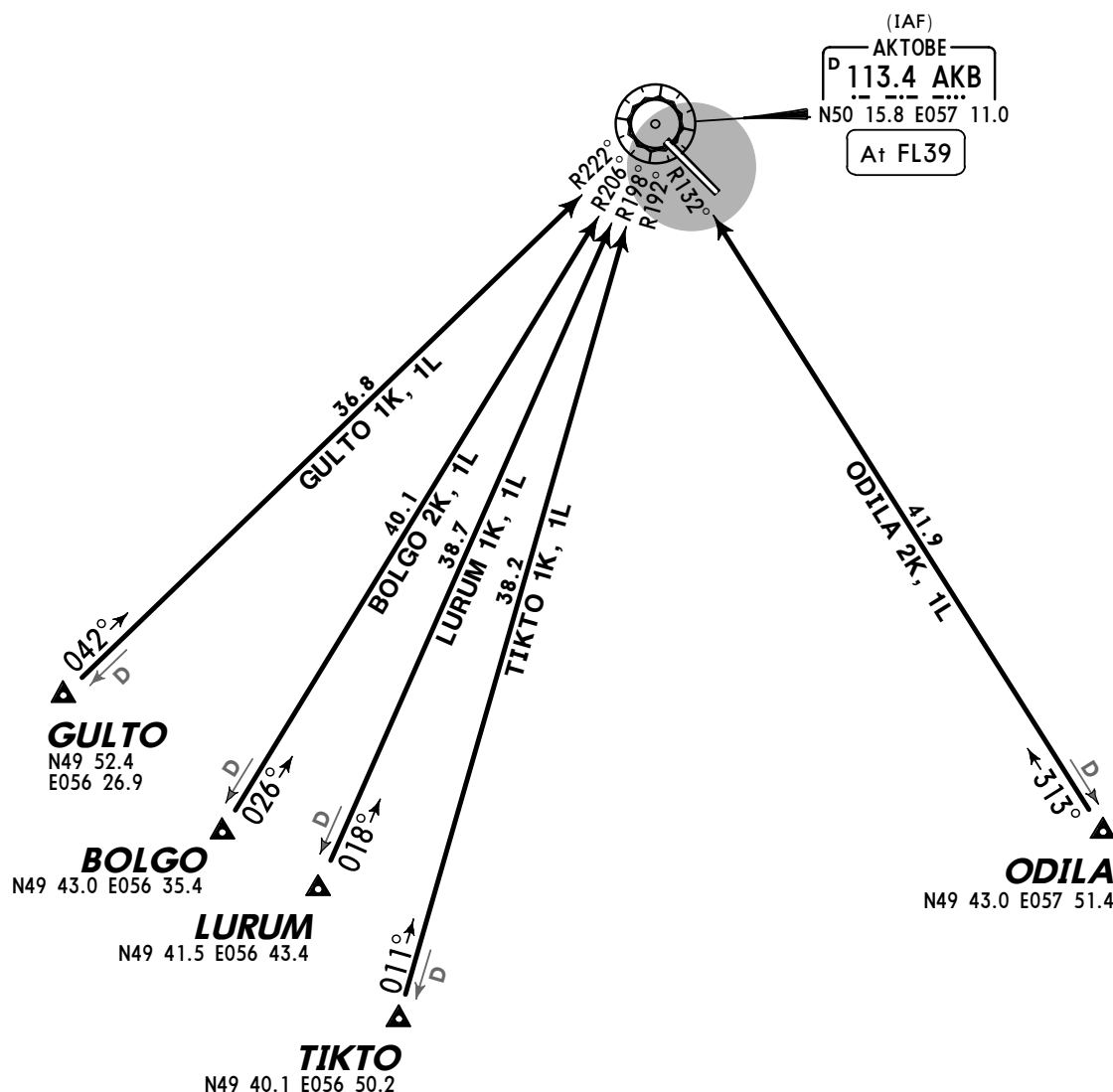
(QFE)

BOLGO 2K [BOLG2K]
GULTO 1K [GULT1K]
LURUM 1K [LURU1K]
ODILA 2K [ODIL2K]
TIKTO 1K [TIKT1K]
RWY 13 ARRIVALS

BOLGO 1L [BOLG1L]
GULTO 1L [GULT1L]
LURUM 1L [LURU1L]
ODILA 1L [ODIL1L]
TIKTO 1L [TIKT1L]
RWY 31 ARRIVALS



FROM SOUTH
BASED ON AKB



FL CONVERSION
FL39 **FL1200m**

ALT/HEIGHT CONVERSION
QNH (QFE)
2710' (**1992' - 600m**)

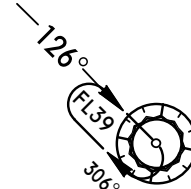


NOT TO SCALE

HOLDINGS OVER AKB

RWY 13

RWY 31

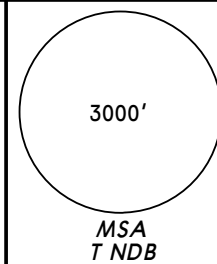


UATT/AKX
AKTOBE

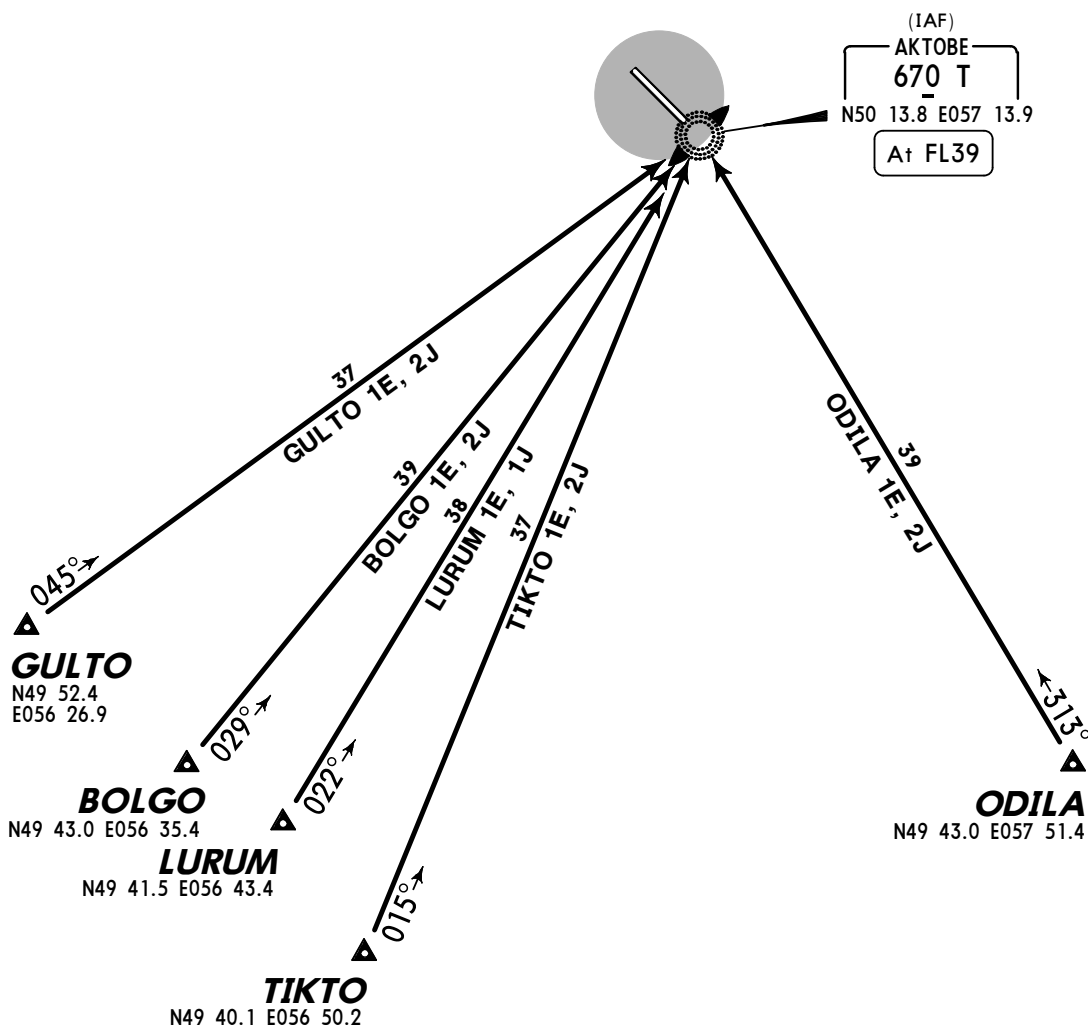
JEPPESSEN **AKTOBE, KAZAKHSTAN**
 16 JUL 10 **10-2E** **Eff 29 Jul** **STAR**

ATIS 126.0 (Russian 127.8)	Apt Elev 738'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL39 Trans alt: 2710' (1972') FL by ATC.
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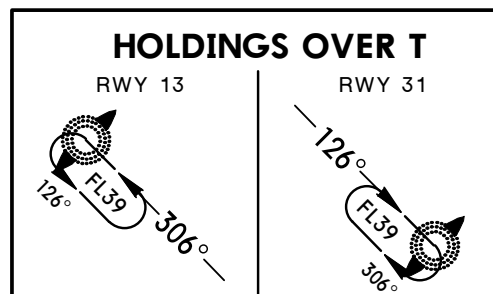
BOLGO 1E [<i>BOLG1E</i>]	BOLGO 2J [<i>BOLG2J</i>]
GULTO 1E [<i>GULT1E</i>]	GULTO 2J [<i>GULT2J</i>]
LURUM 1E [<i>LURU1E</i>]	LURUM 1J [<i>LURU1J</i>]
ODILA 1E [<i>ODIL1E</i>]	ODILA 2J [<i>ODIL2J</i>]
TIKTO 1E [<i>TIKT1E</i>]	TIKTO 2J [<i>TIKT2J</i>]
RWY 31 ARRIVALS	RWY 13 ARRIVALS



FROM SOUTH
 BASED ON T



FL CONVERSION FL39 FL1200m
ALT/HEIGHT CONVERSION QNH (QFE) 2710' (1972' - 600m)



UATT/AKX
AKTOBE

JEPPESEN
 26 MAR 10 **10-2F** **Eff 8 Apr**

AKTOBE, KAZAKHSTAN

STAR

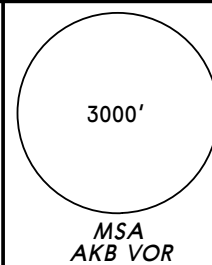
ATIS
126.0 (Russian **127.8**)

Apt Elev
738'

Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL39 Trans alt: 2710' (1992')
 FL by ATC.

ADONU 1K [ADON1K]
LARPI 1K [LARP1K]
RWY 13 ARRIVALS
ADONU 1L [ADON1L]
LARPI 1L [LARP1L]
RWY 31 ARRIVALS

FROM WEST
 BASED ON AKB



ADONU
 N50 28.1 E056 02.0



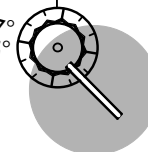
45.9
 ADONU 1K, 1L

LARPI
 N50 17.4 E056 03.8



43.2
 LARPI 1K, 1L

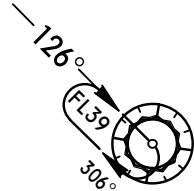
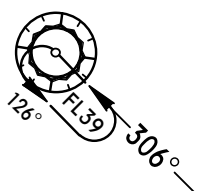
(IAF)
AKTOBE
P 113.4 AKB
 N50 15.8 E057 11.0
 At FL39



HOLDINGS OVER AKB

RWY 13

RWY 31



FL CONVERSION
 FL39 **FL 1200m**

ALT/HEIGHT CONVERSION
 QNH (QFE)
 2710' (1992' - 600m)

UATT/AKX
AKTOBE

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

AKTOBE, KAZAKHSTAN

STAR

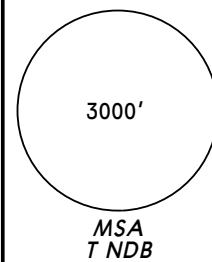
ATIS
126.0 (Russian 127.8)

Apt Elev
738'

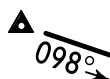
Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL39 Trans alt: 2710' (1972')
 FL by ATC.

ADONU 1E [ADON1E]
LARPI 1E [LARP1E]
RWY 31 ARRIVALS
ADONU 2J [ADON2J]
LARPI 2J [LARP2J]
RWY 13 ARRIVALS

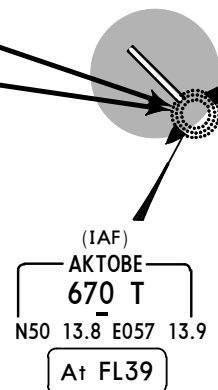
FROM WEST
 BASED ON T



ADONU
 N50 28.1 E056 02.0

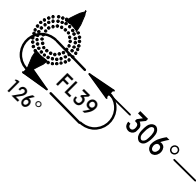


LARPI
 N50 17.4 E056 03.8

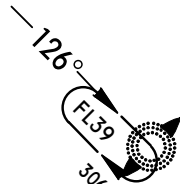


HOLDINGS OVER T

RWY 13



RWY 31



FL CONVERSION
 FL39 **FL 1200m**

ALT/HEIGHT CONVERSION
 QNH (QFE)
 2710' (1972' - 600m)

UATT/AKX
AKTOBE

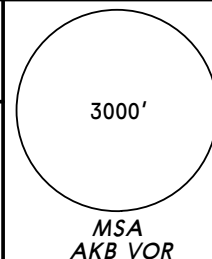
JEPPESSEN
 16 JUL 10 **10-3** **Eff 29 Jul**

AKTOBE, KAZAKHSTAN

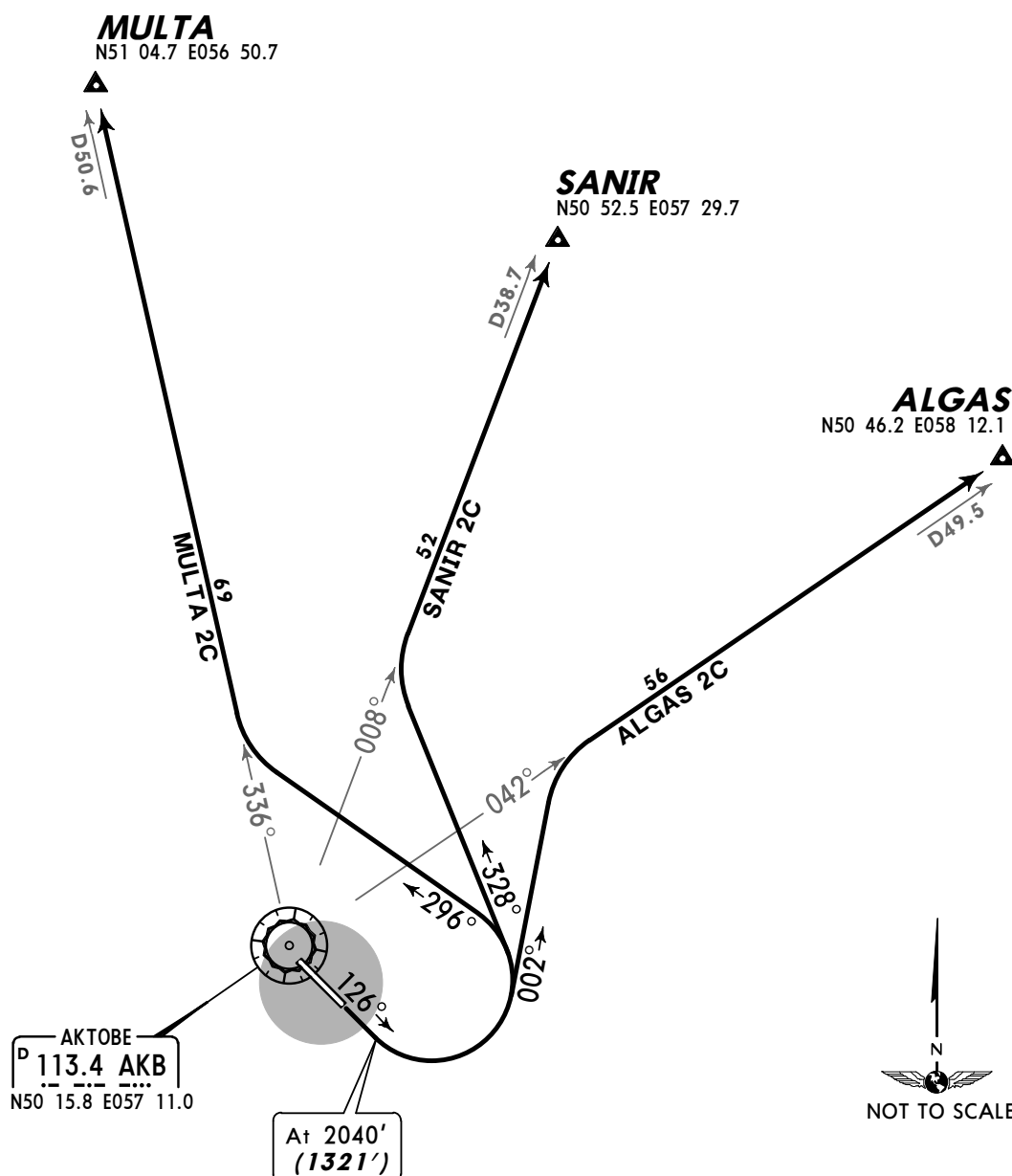
SID

Apt Elev
738'

QNH on request **(QFE)**
 Trans level: FL39 Trans alt: 2710' **(1991')**
 FL by ATC.



ALGAS 2C [ALGA2C]
MULTA 2C [MULT2C]
SANIR 2C [SANI2C]
RWY 13 DEPARTURES
TO NORTH & NORTHEAST



ALT/HEIGHT CONVERSION
 QNH (QFE)
 2040' **(1321' - 400m)**
 2710' **(1991' - 600m)**

FL CONVERSION
 FL39 **FL1200m**

SID	ROUTING
ALGAS 2C	Climb to 2040' (1321') , turn LEFT, 002° track, intercept AKB R-042 to ALGAS.
MULTA 2C	Climb to 2040' (1321') , turn LEFT, 296° track, intercept AKB R-336 to MULTA.
SANIR 2C	Climb to 2040' (1321') , turn LEFT, 328° track, intercept AKB R-008 to SANIR.

UATT/AKX
AKTOBE

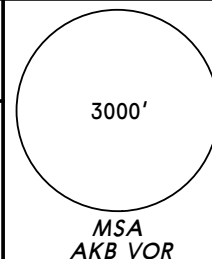
JEPPESEN
16 JUL 10 **(10-3A)** **Eff 29 Jul**

AKTOBE, KAZAKHSTAN

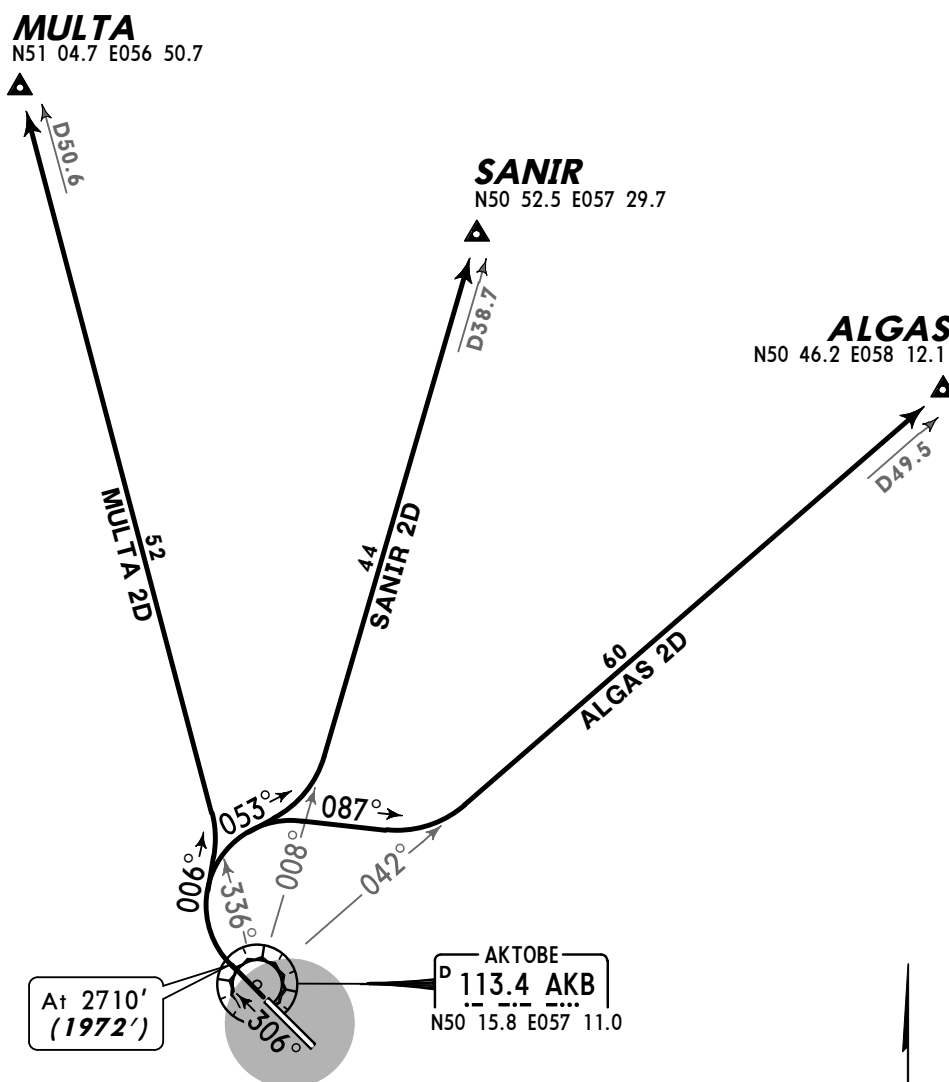
SID

Apt Elev
738'

QNH on request **(QFE)**
Trans level: FL39 Trans alt: 2710' **(1972')**
FL by ATC.



ALGAS 2D [ALGA2D]
MULTA 2D [MULT2D]
SANIR 2D [SANI2D]
RWY 31 DEPARTURES
TO NORTH & NORTHEAST



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2710'	(1972' - 600m)
FL CONVERSION	
FL39	FL 1200m

SID	ROUTING
ALGAS 2D	Climb to 2710' (1972'), turn RIGHT, 087° track, intercept AKB R-042 to ALGAS.
MULTA 2D	Climb to 2710' (1972'), turn RIGHT, 006° track, intercept AKB R-336 to MULTA.
SANIR 2D	Climb to 2710' (1972'), turn RIGHT, 053° track, intercept AKB R-008 to SANIR.

UATT/AKX
AKTOBE

JEPPESEN
16 JUL 10 **10-3B**

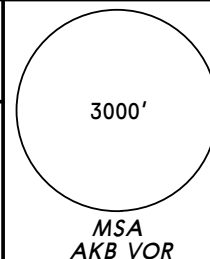
Eff 29 Jul

AKTOBE, KAZAKHSTAN

SID

Apt Elev
738'

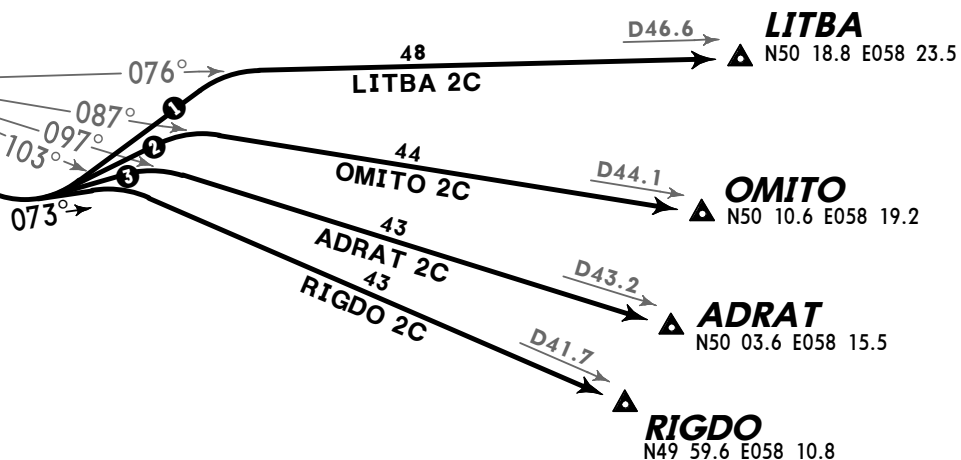
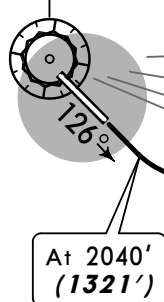
QNH on request **(QFE)**
Trans level: FL39 Trans alt: 2710' **(1991')**
FL by ATC.



ADRAT 2C [ADRA2C]
LITBA 2C [LITB2C]
OMITO 2C [OMIT2C]
RIGDO 2C [RIGD2C]
RWY 13 DEPARTURES
TO EAST

AKTOBE
P 113.4 AKB
N50 15.8 E057 11.0

- ① 046°→
- ② 057°→
- ③ 067°→



ALT/HEIGHT CONVERSION
QNH (QFE)
2040' (1321' - 400m)
2710' (1991' - 600m)

FL CONVERSION
FL39 FL1200m



SID	ROUTING
ADRAT 2C	Climb to 2040' (1321'), turn LEFT, 067° track, intercept AKB R-097 to ADRAT.
LITBA 2C	Climb to 2040' (1321'), turn LEFT, 046° track, intercept AKB R-076 to LITBA.
OMITO 2C	Climb to 2040' (1321'), turn LEFT, 057° track, intercept AKB R-087 to OMITO.
RIGDO 2C	Climb to 2040' (1321'), turn LEFT, 073° track, intercept AKB R-103 to RIGDO

UATT/AKX
AKTOBE

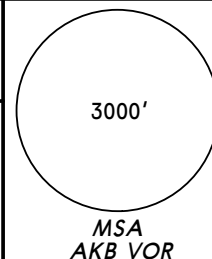
JEPPESEN
16 JUL 10 **10-3C** **Eff 29 Jul**

AKTOBE, KAZAKHSTAN

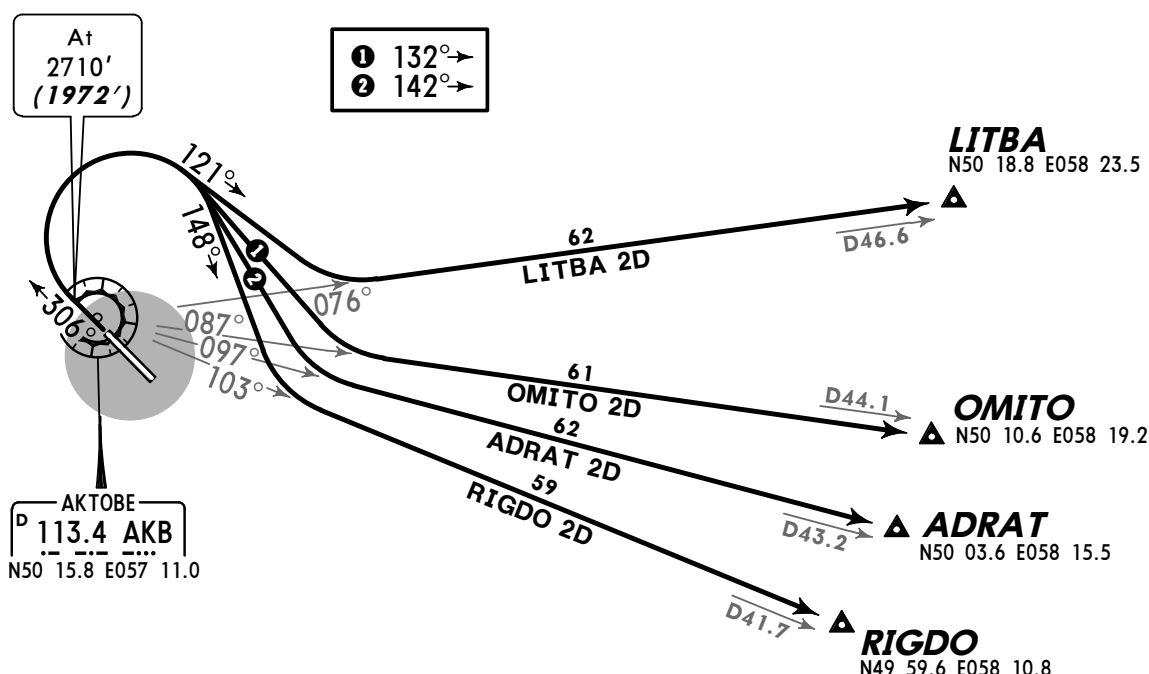
SID

Apt Elev
738'

QNH on request **(QFE)**
Trans level: FL39 Trans alt: 2710' **(1972')**
FL by ATC.



ADRAT 2D [ADRA2D]
LITBA 2D [LITB2D]
OMITO 2D [OMIT2D]
RIGDO 2D [RIGD2D]
RWY 31 DEPARTURES
TO EAST



ALT/HEIGHT CONVERSION
QNH **(QFE)**
2710' (1972' - 600m)

FL CONVERSION
FL39 FL1200m



SID	ROUTING
ADRAT 2D	Climb to 2710' (1972') , turn RIGHT, 142° track, intercept AKB R-097 to ADRAT.
LITBA 2D	Climb to 2710' (1972') , turn RIGHT, 121° track, intercept AKB R-076 to LITBA.
OMITO 2D	Climb to 2710' (1972') , turn RIGHT, 132° track, intercept AKB R-087 to OMITO.
RIGDO 2D	Climb to 2710' (1972') , turn RIGHT, 148° track, intercept AKB R-103 to RIGDO

UATT/AKX
AKTOBE

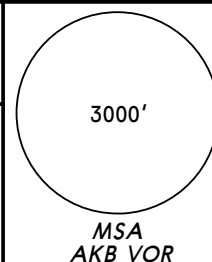
JEPPESEN
16 JUL 10 **10-3D** **Eff 29 Jul**

AKTOBE, KAZAKHSTAN

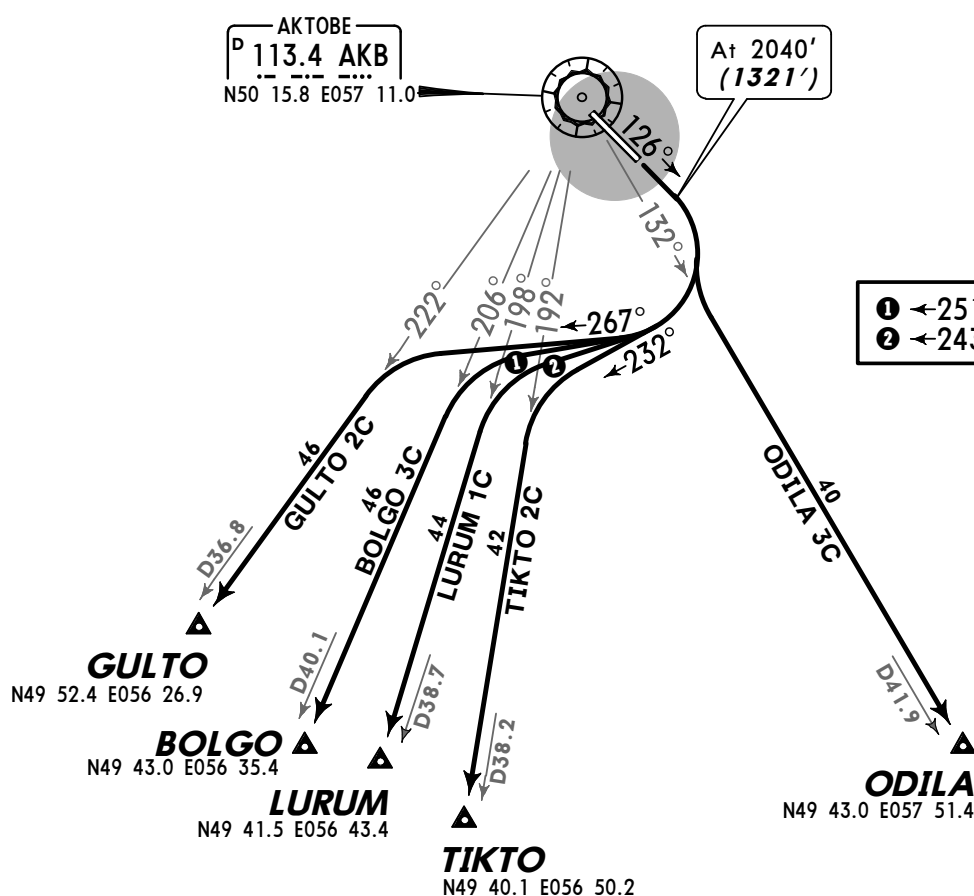
SID

Apt Elev
738'

QNH on request **(QFE)**
Trans level: FL39 Trans alt: 2710' **(1991')**
FL by ATC.



BOLGO 3C [BOLG3C]
GULTO 2C [GULT2C]
LURUM 1C [LURU1C]
ODILA 3C [ODIL3C]
TIKTO 2C [TIKT2C]
RWY 13 DEPARTURES
TO SOUTH



ALT/HEIGHT CONVERSION
QNH (QFE)
2040' (1321' - 400m)
2710' (1991' - 600m)

FL CONVERSION
FL39 **FL1200m**

SID	ROUTING
BOLGO 3C	Climb to 2040' (1321'), turn RIGHT, 251° track, intercept AKB R-206 to BOLGO.
GULTO 2C	Climb to 2040' (1321'), turn RIGHT, 267° track, intercept AKB R-222 to GULTO.
LURUM 1C	Climb to 2040' (1321'), turn RIGHT, 243° track, intercept AKB R-198 to LURUM.
ODILA 3C	Climb to 2040' (1321'), turn RIGHT, intercept AKB R-132 to ODILA.
TIKTO 2C	Climb to 2040' (1321'), turn RIGHT, 232° track, intercept AKB R-192 to TIKTO.

UATT/AKX
AKTOBE

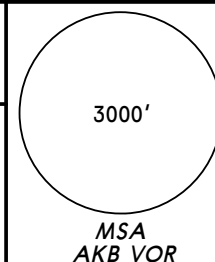
JEPPESSEN
 16 JUL 10 **10-3E** **Eff 29 Jul**

AKTOBE, KAZAKHSTAN

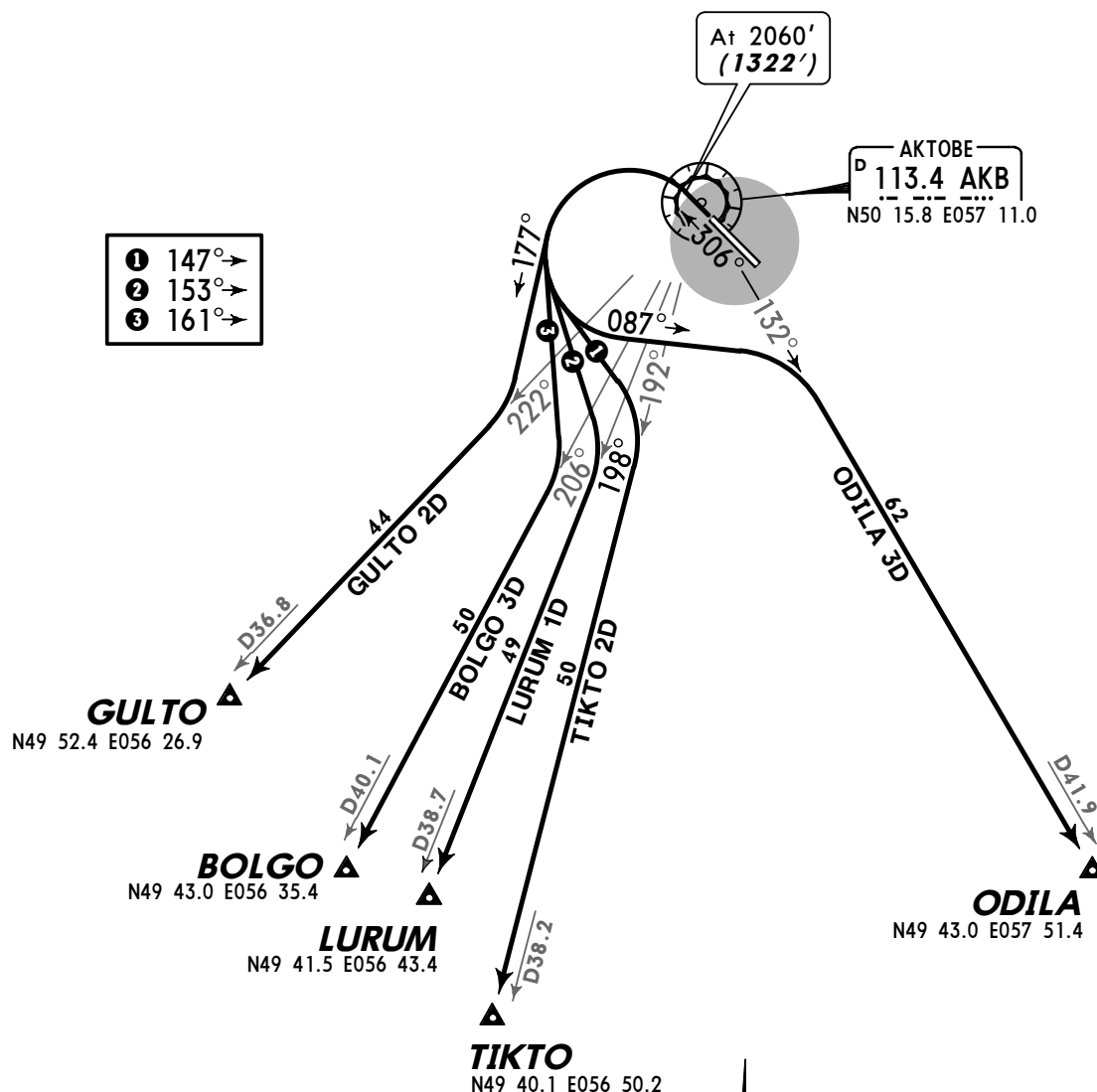
SID

Apt Elev
738'

QNH on request **(QFE)**
 Trans level: FL39 Trans alt: 2710' **(1972')**
 FL by ATC.



BOLGO 3D [BOLG3D]
GULTO 2D [GULT2D]
LURUM 1D [LURU1D]
ODILA 3D [ODIL3D]
TIKTO 2D [TIKT2D]
RWY 31 DEPARTURES
TO SOUTH



ALT/HEIGHT CONVERSION
 QNH (QFE)
 2060' (1322' - 400m)
 2710' (1972' - 600m)

FL CONVERSION
 FL39 **FL 1200m**

SID	ROUTING
BOLGO 3D	Climb to 2060' (1322'), turn LEFT, 161° track, intercept AKB R-206 to BOLGO.
GULTO 2D	Climb to 2060' (1322'), turn LEFT, 177° track, intercept AKB R-222 to GULTO.
LURUM 1D	Climb to 2060' (1322'), turn LEFT, 153° track, intercept AKB R-198 to LURUM.
ODILA 3D	Climb to 2060' (1322'), turn LEFT, 087° track, intercept AKB R-132 to ODILA.
TIKTO 2D	Climb to 2060' (1322'), turn LEFT, 147° track, intercept AKB R-192 to TIKTO.

UATT/AKX
AKTOBE

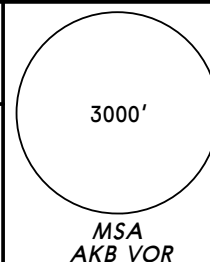
JEPPESEN
 16 JUL 10 **10-3F** **Eff 29 Jul**

AKTOBE, KAZAKHSTAN

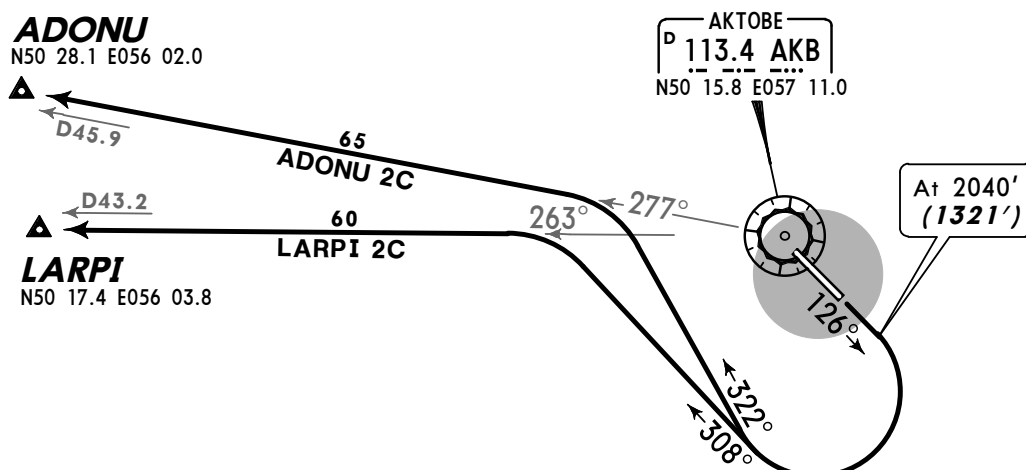
SID

Apt Elev
738'

QNH on request **(QFE)**
 Trans level: FL39 Trans alt: 2710' **(1991')**
 FL by ATC.



ADONU 2C [ADON2C]
LARPI 2C [LARP2C]
RWY 13 DEPARTURES
TO WEST



ALT/HEIGHT CONVERSION
 QNH **(QFE)**
 2040' **(1321' - 400m)**
 2710' **(1991' - 600m)**

FL CONVERSION
 FL39 **FL 1200m**

SID	ROUTING
ADONU 2C	Climb to 2040' (1321') , turn RIGHT, 322° track, intercept AKB R-277 to ADONU.
LARPI 2C	Climb to 2040' (1321') , turn RIGHT, 308° track, intercept AKB R-263 to LARPI.

UATT/AKX
AKTOBE

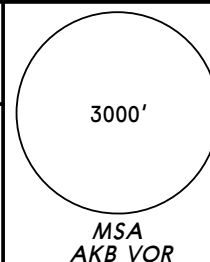
JEPPESEN
 16 JUL 10 **(10-3G)** **Eff 29 Jul**

AKTOBE, KAZAKHSTAN

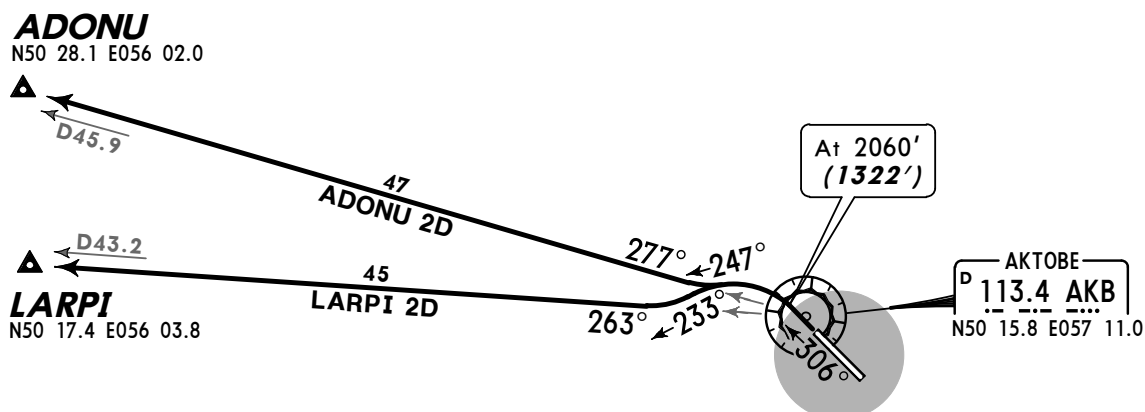
SID

Apt Elev
738'

QNH on request **(QFE)**
 Trans level: FL39 Trans alt: 2710' **(1972')**
 FL by ATC.



ADONU 2D [ADON2D]
LARPI 2D [LARP2D]
RWY 31 DEPARTURES
TO WEST



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2060'	(1322' - 400m)
2710'	(1972' - 600m)
FL CONVERSION	
FL39	FL1200m

SID	ROUTING
ADONU 2D	Climb to 2060' (1322') , turn LEFT, 247° track, intercept AKB R-277 to ADONU.
LARPI 2D	Climb to 2060' (1322') , turn LEFT, 233° track, intercept AKB R-263 to LARPI.

UATT/AKX

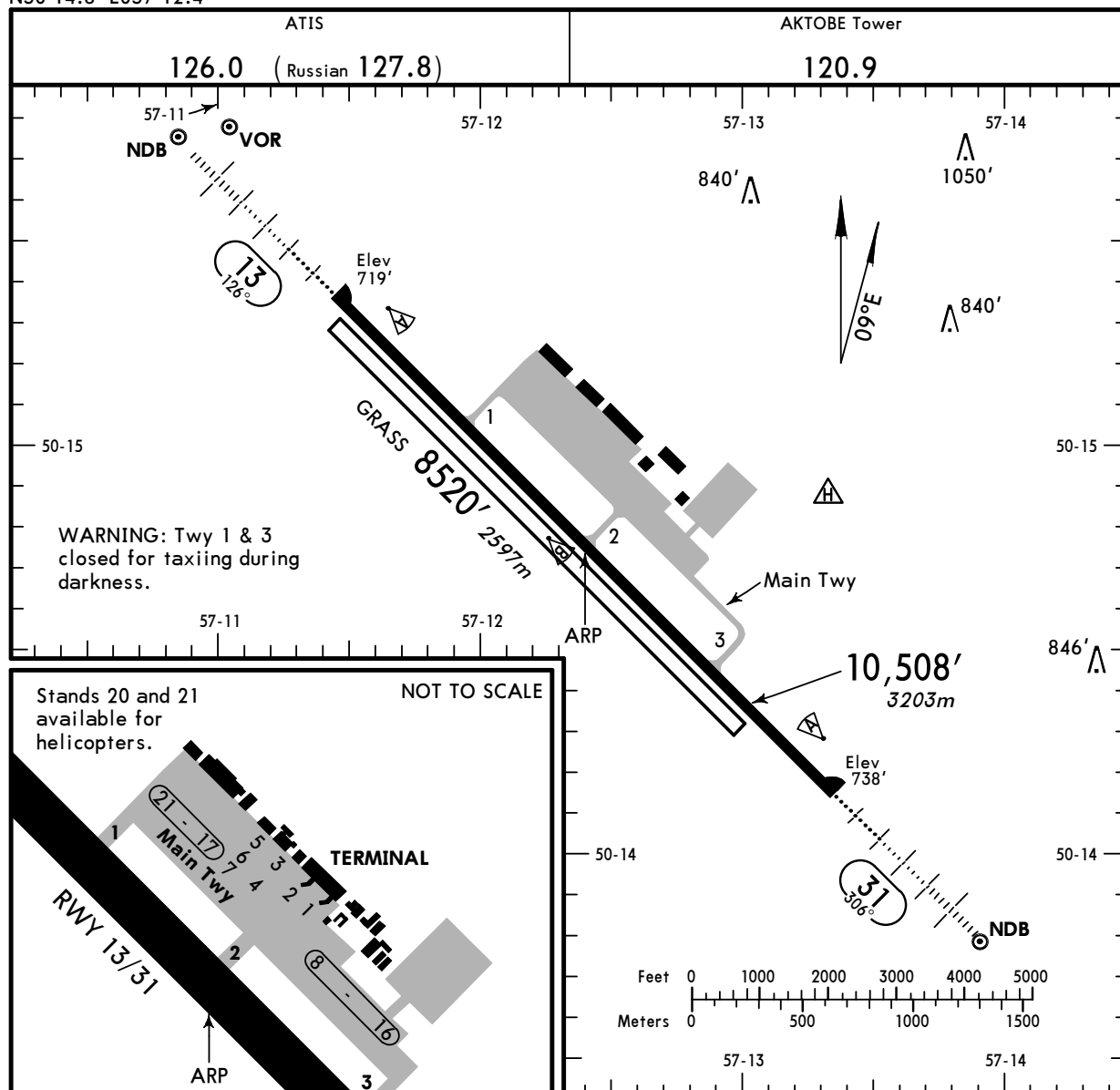
Apt Elev **738'**
 N50 14.8 E057 12.4

JEPPesen

6 NOV 09 **(10-9)** Eff 19 Nov

AKTOBE, KAZAKHSTAN

AKTOBE



ADDITIONAL RUNWAY INFORMATION

RWY					USABLE LENGTHS		TAKE-OFF	WIDTH
					Threshold	Landing Beyond		
13	31	HIRL (60m)	HIALS	PAPI-L (angle 3.17°)	RVR	9475' 2888m 9293' 2832m		151' 46m
13	31	Grass runway						246' 75m

TAKE-OFF

AIR CARRIER (JAA)
All Rwys

	DAY		NIGHT
	RL	RCLM	RL
A			
B		400m 1	400m 1
C	400m 1		
D		500m	400m

1 LVP must be in force: 300m.

CHANGES: None.

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UATT/AKX
Standard
AKTOBE, KAZAKHSTAN
AKTOBE

STRAIGHT-IN RWY		A	B	C	D
13	ILS	919' (200')	919' (200')	919' (200')	919' (200')
		800m	800m	800m	800m
	<i>ALS out</i>	1200m	1200m	1200m	1200m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR ❶	1380' (661')	1380' (661')	1710' (991')	1710' (991')
		3000m	3000m	5000m	5000m
	NDB	1400' (681')	1400' (681')	1710' (991')	1710' (991')
		3000m	3000m	5000m	5000m
31	ILS	938' (200')	938' (200')	938' (200')	938' (200')
		800m	800m	800m	800m
	<i>ALS out</i>	1200m	1200m	1200m	1200m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR ❶	1400' (662')	1400' (662')	1730' (992')	1730' (992')
		3000m	3000m	5000m	5000m
	2 NDB ❶❷❸	1140' (402')	1140' (402')	1140' (402')	1140' (402')
		1800m	1800m	1800m	1800m
	<i>ALS out</i>	1800m	1800m	1900m	1900m
	2 NDB ❷❹	1140' (402')	1140' (402')	1140' (402')	1140' (402')
		1800m	1800m	1800m	1800m
	<i>ALS out</i>	2100m	2100m	2300m	2300m
	2 NDB ❶❸❺	1170' (432')	1170' (432')	1170' (432')	1170' (432')
		1800m	1800m	1800m	1800m
	<i>ALS out</i>	1800m	1800m	2000m	2000m
	2 NDB ❹❺	1170' (432')	1170' (432')	1170' (432')	1170' (432')
		1800m	1800m	1800m	1800m
	<i>ALS out</i>	2200m	2200m	2400m	2400m
	NDB	1400' (662')	1400' (662')	1730' (992')	1730' (992')
		2600m	2600m	5000m	5000m
	<i>ALS out</i>	3300m	3300m	5000m	5000m

❶ Continuous Descent Final Approach.

❷ With LOM.

❸ With FMS.

❹ W/o FMS.

❺ W/o LOM.

TAKE-OFF RWY 13, 31

DAY			NIGHT
RL	RCLM	NIL	RL
400m ❹	400m ❹	500m	400m ❹
	500m		400m

❹ LVP must be in force: 300m.

UATT/AKX
JAA MINIMUMS
AKTOBE, KAZAKHSTAN
AKTOBE

STRAIGHT-IN RWY		A	B	C	D
13	ILS	919' (200')	919' (200')	919' (200')	919' (200')
		800m	800m	800m	800m
	<i>ALS out</i>	1000m	1000m	1000m	1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR	1380' (661')	1380' (661')	1710' (991')	1710' (991')
31		3000m	3000m	5000m	5000m
	NDB	1400' (681')	1400' (681')	1710' (991')	1710' (991')
		3000m	3000m	5000m	5000m
	ILS	938' (200')	938' (200')	938' (200')	938' (200')
		800m	800m	800m	800m
	<i>ALS out</i>	1000m	1000m	1000m	1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR	1400' (662')	1400' (662')	1730' (992')	1730' (992')
		3000m	3000m	5000m	5000m
	2 NDB ❶	1140' (402')	1140' (402')	1140' (402')	1140' (402')
		1800m	1800m	1800m	1800m
	<i>ALS out</i>	1800m	1800m	1800m	2000m
	2 NDB ❷	1170' (432')	1170' (432')	1170' (432')	1170' (432')
		1800m	1800m	1800m	1800m
	<i>ALS out</i>	1800m	1800m	1800m	2000m
	NDB	1400' (662')	1400' (662')	1730' (992')	1730' (992')
		2500m	2500m	5000m	5000m

❶ With LOM.

❷ W/o LOM.

TAKE-OFF RWY 13, 31

DAY			NIGHT
RL	RCLM	NIL	RL
A B C D	400m ❸	500m	400m ❸
			400m
	500m		

❸ LVP must be in force: 300m.

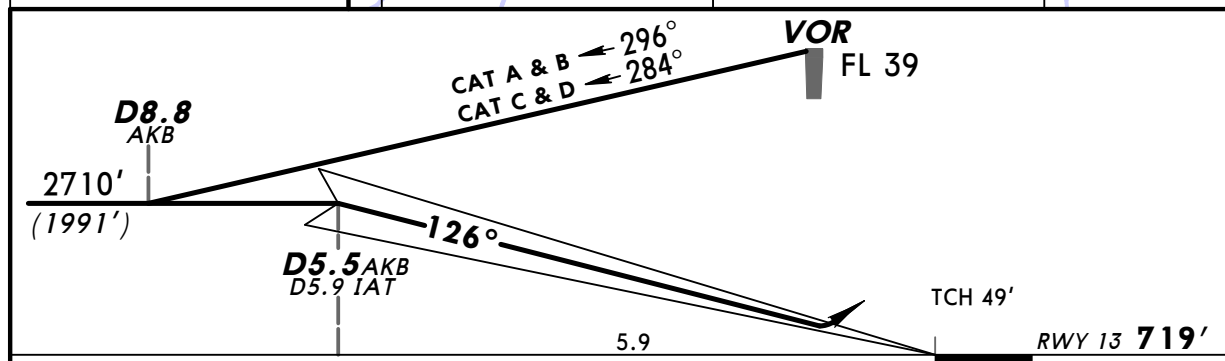
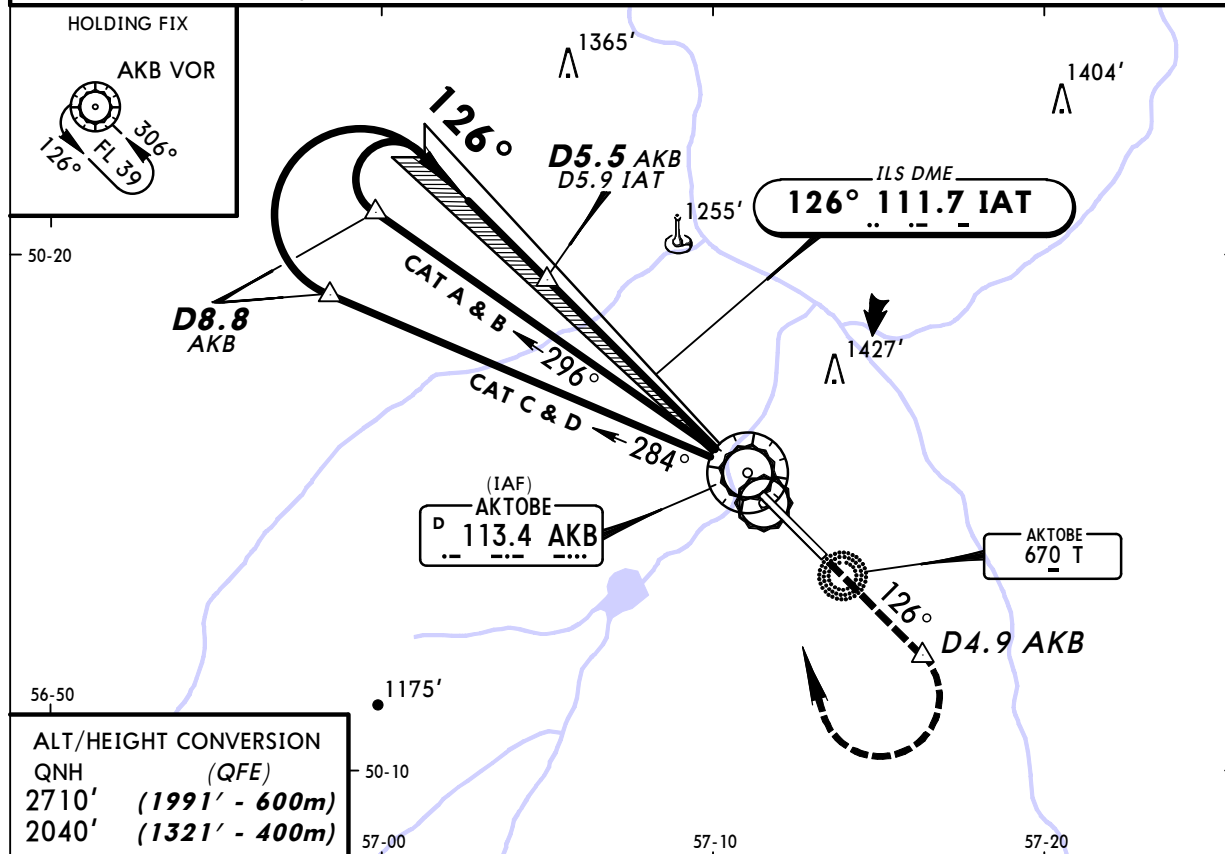
UATT/AKX
AKTOBE

JEPPESEN
26 MAR 10 **(11-1)** **Eff 8 Apr**

AKTOBE, KAZAKHSTAN
ILS DME Z Rwy 13

BRIEFING STRIP

126.0 (ATIS (Russian 127.8))		AKTOBE Tower 120.9			3000' MSA AKB VOR
LOC IAT 111.7	Final Apch Crs 126°	GS D5.5 AKB 2710' (1991')	ILS DA(H) 919' (200')	Apt Elev 738' RWY 719'	
MISSED APCH: Climb on 126° to 2040' (1321') or above outbound to D4.9 AKB, then turn RIGHT (MAX 225 KT) to VOR. Climb initially to 2710' (1991'), then as directed.					
MISSED APCH WITH COMM FAILURE: Climb to FL 39 to VOR and hold.					
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 39 Trans alt: 2710' (1991')					
ILS DME reads zero at rwy 13 threshold.					



Gnd speed-Kts	70	90	100	120	140	160	HIALS	2040' (1321') or above on	126°	D4.9 AKB
GS 3.00°	377	484	538	646	753	861	PAPI			

STRAIGHT-IN LANDING RWY 13			LOC (GS out)		
ILS					
DA(H) 919' (200')					
FULL		ALS out			
A					
B					
C	800m	1200m	NOT AUTHORIZED		
D					

PANS OPS

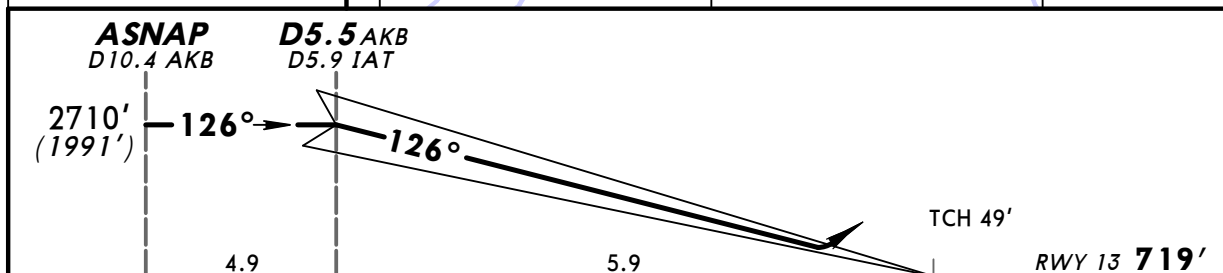
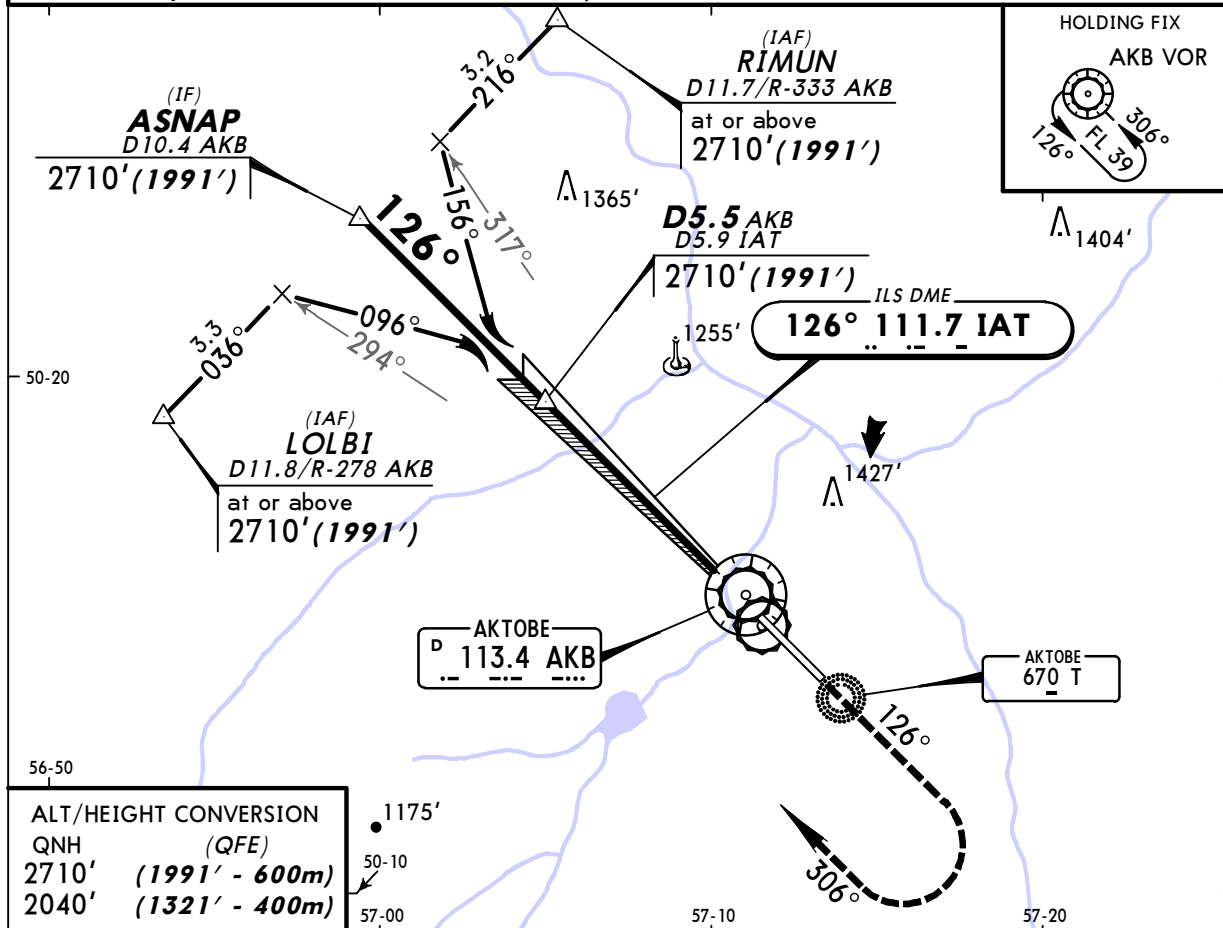
UATT/AKX
AKTOBE

JEPPesen
26 MAR 10 **(11-2)** **Eff 8 Apr**

AKTOBE, KAZAKHSTAN
ILS DME Y Rwy 13

BRIEFING STRIP

126.0 (Russian 127.8)		AKTOBE Tower 120.9			3000'
LOC IAT 111.7	Final Apch Crs 126°	GS D5.5 AKB 2710' (1991')	ILS DA(H) 919' (200')	Apt Elev 738'	
				RWY 719'	
MISSED APCH: Climb on 126° to 2040' (1321') or above, then turn RIGHT (MAX 225 KT) onto 306° climbing to 2710' (1991'), then as directed. Do not turn before passing VOR.					MSA AKB VOR
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 39 Trans alt: 2710' (1991') 1. RADAR required. 2. ILS DME reads zero at rwy 13 threshold.					



ASRAP D10.4 AKB 2710' (1991')		D5.5 AKB D5.9 IAT 2710' (1991')		ILS DA(H) 919' (200')		LOC (GS out)		2040' (1321') or above on 126°	
4.9		5.9		TCH 49'		RWY 13 719'			

STRAIGHT-IN LANDING RWY 13				PANS OPS	
ILS		LOC (GS out)			
DA(H) 919' (200')					
FULL	ALS out				
A					
B					
C	800m	1200m	NOT AUTHORIZED		
D					

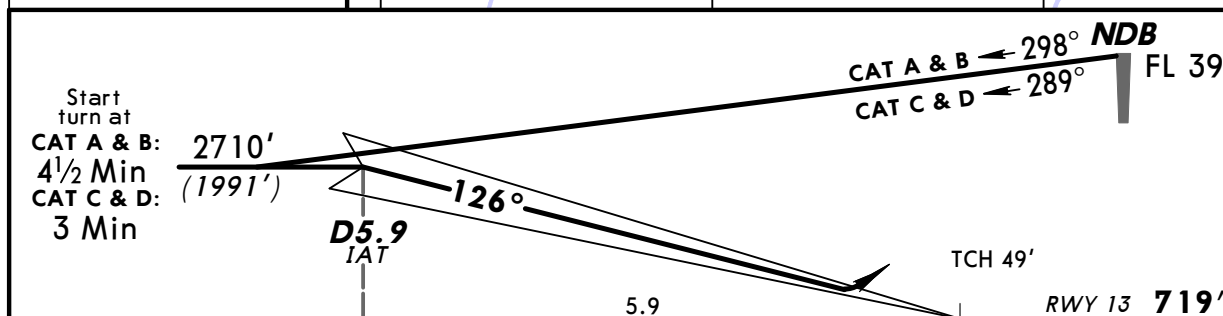
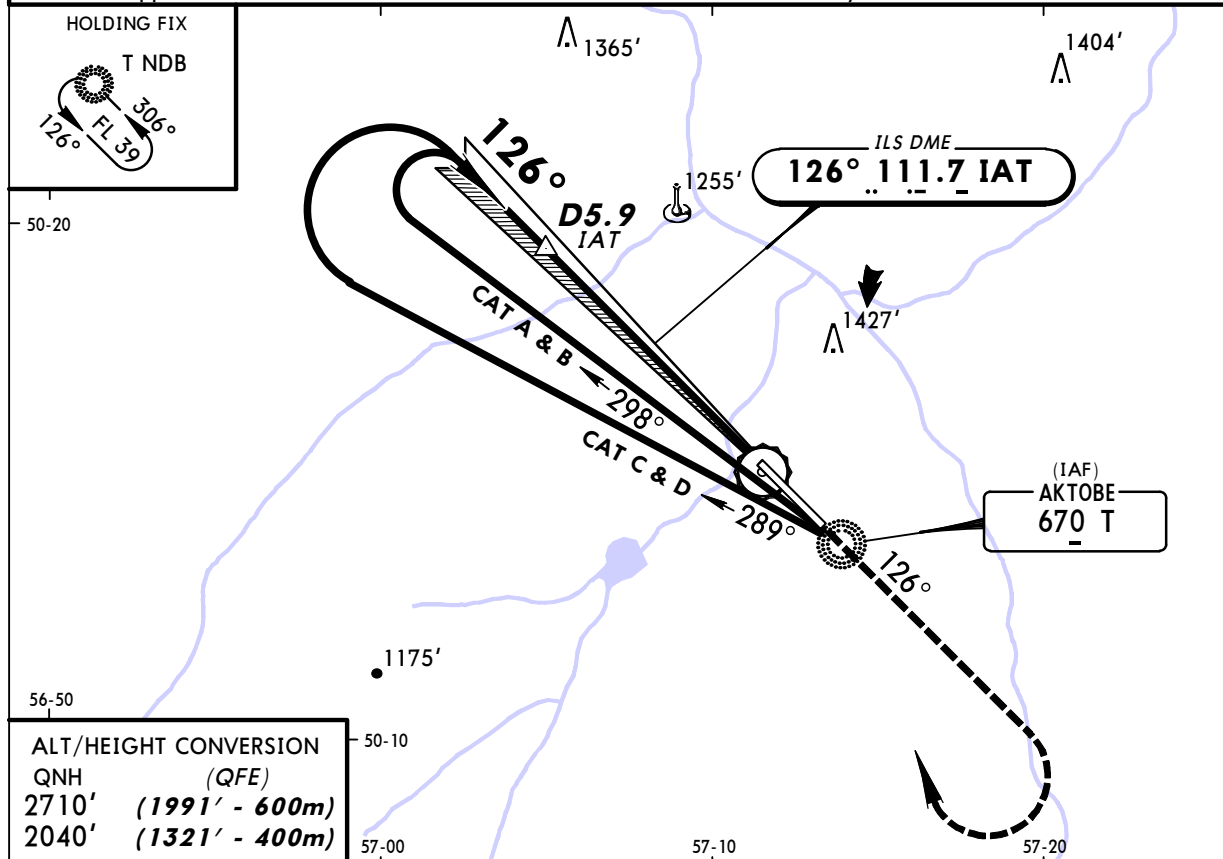
UATT/AKX
AKTOBE

JEPPesen
26 MAR 10 **(11-3)** **Eff 8 Apr**

AKTOBE, KAZAKHSTAN
ILS DME X Rwy 13

BRIEFING STRIP

ATIS 126.0 (Russian 127.8)				AKTOBE Tower 120.9	
LOC IAT 111.7	Final Apch Crs 126°	GS D5.9 IAT 2710' (1991')	ILS DA(H) 919' (200')	Apt Elev 738' RWY 719'	3000' MSA T NDB
MISSED APCH: Climb on 126° to 2040' (1321') or above. After passing NDB maintain 126° for 1 Min 40 Sec, then turn RIGHT (MAX 225 KT) to NDB. Climb initially to 2710' (1991'), then as directed.					
MISSED APCH WITH COMM FAILURE: Climb to FL 39 to NDB and hold.					
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 39 Trans alt: 2710' (1991') 1. Initial approach restricted to MAX 215 KT. 2. ILS DME reads zero at rwy 13 threshold.					



Gnd speed-Kts	70	90	100	120	140	160
GS 3.00°	377	484	538	646	753	861

HIALS

PAPI

2040'

(1321')

or above on

126°

STRAIGHT-IN LANDING RWY 13			
ILS		LOC (GS out)	
DA(H) 919' (200')			
FULL	ALS out		
A			
B			
C	800m	1200m	NOT AUTHORIZED
D			

PANS OPS

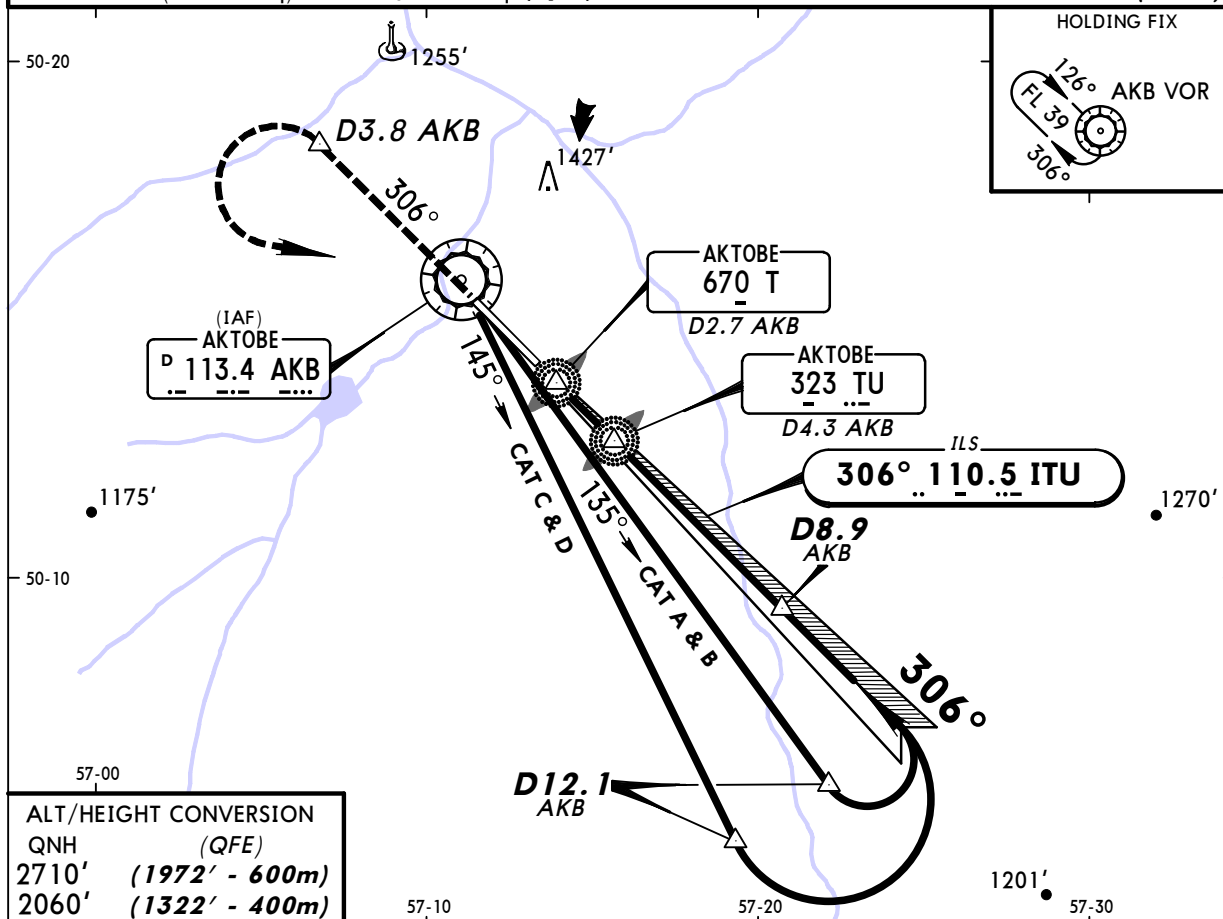
UATT/AKX
AKTOBE

JEPPESSEN
26 MAR 10 **11-4** **Eff 8 Apr**

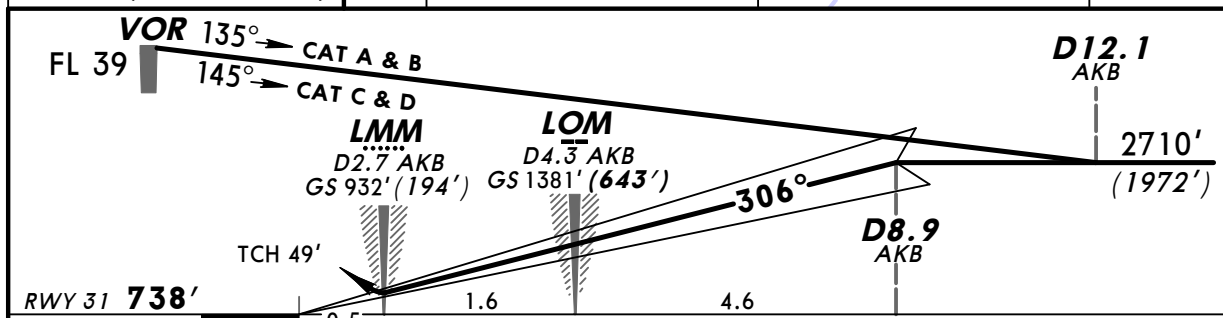
AKTOBE, KAZAKHSTAN
ILS Z Rwy 31

BRIEFING STRIP

126.0		ATIS (Russian 127.8)		AKTOBE Tower 120.9		3000' MSA AKB VOR
LOC ITU 110.5	Final Apch Crs 306°	GS LOM 1381'(643')	ILS DA(H) 938'(200')	Apt Elev 738' RWY 738'		
MISSED APCH: Climb on 306° to 2060' (1322') or above outbound to D3.8 AKB, then turn LEFT (MAX 225 KT) to VOR. Climb initially to 2710' (1972'), then as directed. MISSED APCH WITH COMM FAILURE: Climb to FL 39 to VOR and hold.						
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 39		
Trans alt: 2710' (1972')						



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2710'	(1972' - 600m)
2060'	(1322' - 400m)



Gnd speed-Kts	70	90	100	120	140	160	 HIALS PAPI	2060' (1322') or above on 306°	D3.8 AKB
GS	2.67°	332	427	474	569	664			

STRAIGHT-IN LANDING RWY 31			
ILS		LOC (GS out)	
DA(H) 938'(200')			
FULL	ALS out		
A			
B			
C	800m	1200m	NOT AUTHORIZED
D			

PANS OPS

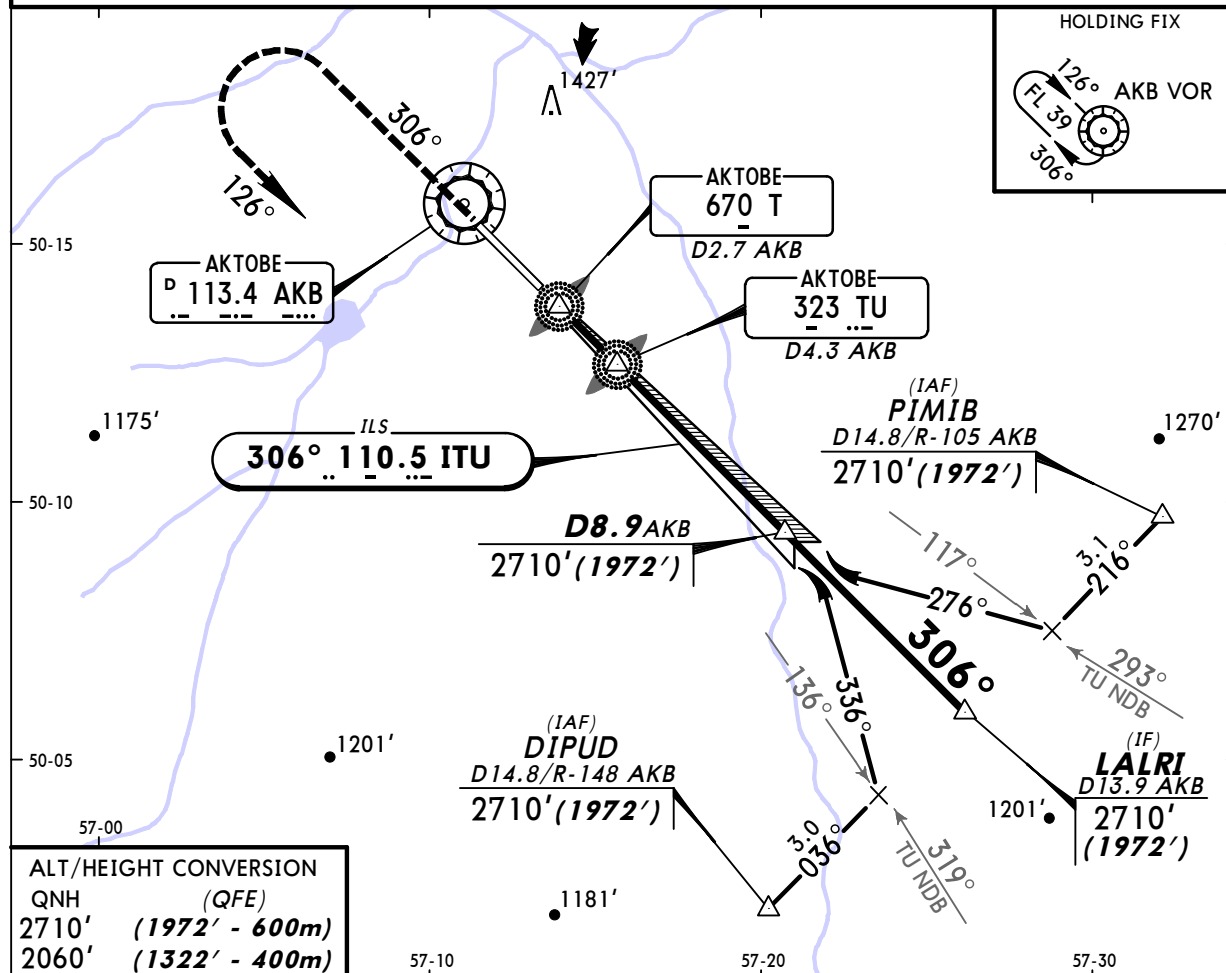
UATT/AKX
AKTOBE

JEPPesen
26 MAR 10 **11-5** **Eff 8 Apr**

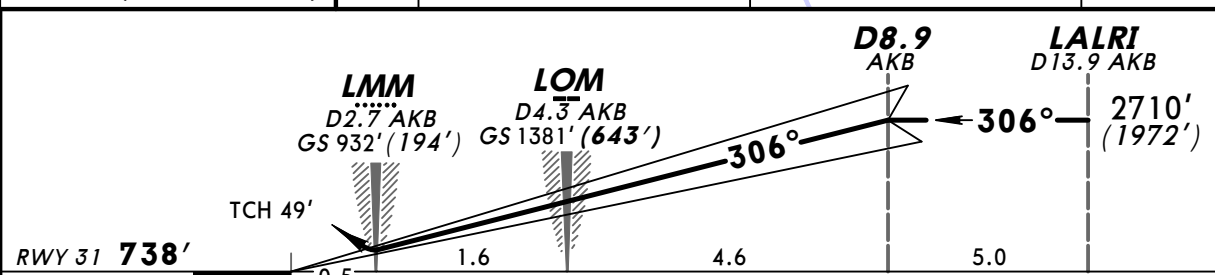
AKTOBE, KAZAKHSTAN
ILS Y Rwy 31

BRIEFING STRIP

126.0 (Russian 127.8)		AKTOBE Tower 120.9			3000' MSA AKB VOR
LOC ITU 110.5	Final Apch Crs 306°	GS LOM 1381' (643')	ILS DA(H) 938' (200')	Apt Elev 738' RWY 738'	
MISSED APCH: Climb on 306° to 2060' (1322') or above, then turn LEFT (MAX 225 KT) onto 126° climbing to 2710' (1972'), then as directed. Do not turn before passing VOR.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 39	Trans alt: 2710' (1972')	
RADAR required.					



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2710'	(1972' - 600m)
2060'	(1322' - 400m)



Gnd speed-Kts	70	90	100	120	140	160
GS	2.67°	332	427	474	569	664

STRAIGHT-IN LANDING RWY 31			
ILS		LOC (GS out)	
DA(H) 938' (200')			
FULL	ALS out		
A			
B			
C	800m	1200m	NOT AUTHORIZED
D			

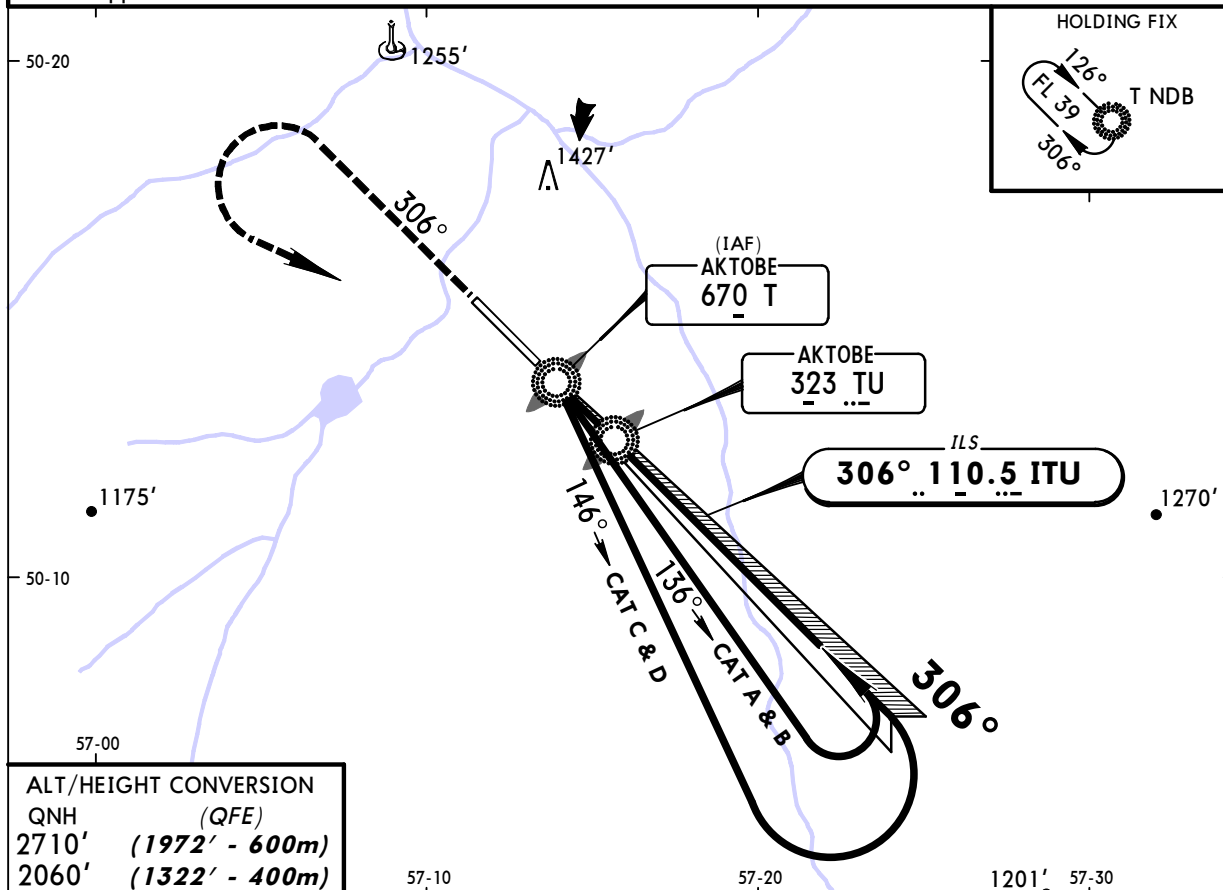
UATT/AKX
AKTOBE

JEPPesen
26 MAR 10 **11-6** **Eff 8 Apr**

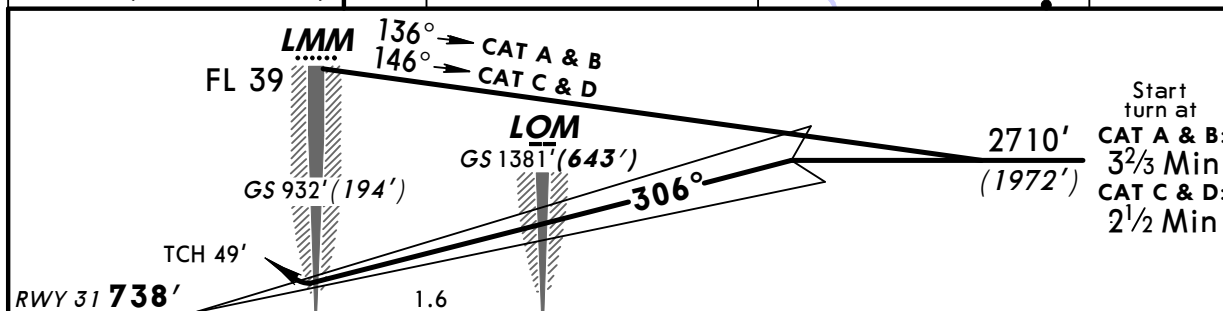
AKTOBE, KAZAKHSTAN
ILS X Rwy 31

BRIEFING STRIP

ATIS 126.0 (Russian 127.8)		AKTOBE Tower 120.9			3000' MSA T NDB
LOC ITU 110.5	Final Apch Crs 306°	GS LOM 1381'(643')	ILS DA(H) 938'(200')	Apt Elev 738' RWY 738'	
MISSED APCH: Climb on 306° to 2060'(1322') or above, then turn LEFT (MAX 225 KT) to LMM. Climb initially to 2710' (1972'), then as directed.					
MISSED APCH WITH COMM FAILURE: Climb to FL 39 to LMM and hold.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 39	
Initial approach restricted to MAX 215 KT.					Trans alt: 2710'(1972')



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2710'	(1972' - 600m)
2060'	(1322' - 400m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI 2060' (1322') or above on 306° 225 KT MAX LT T 670
GS 2.67°	332	427	474	569	664	759	

STRAIGHT-IN LANDING RWY 31			
ILS		LOC (GS out)	
DA(H) 938'(200')			
FULL	ALS out		
A			
B			
C	800m	1200m	NOT AUTHORIZED
D			

PANS OPS

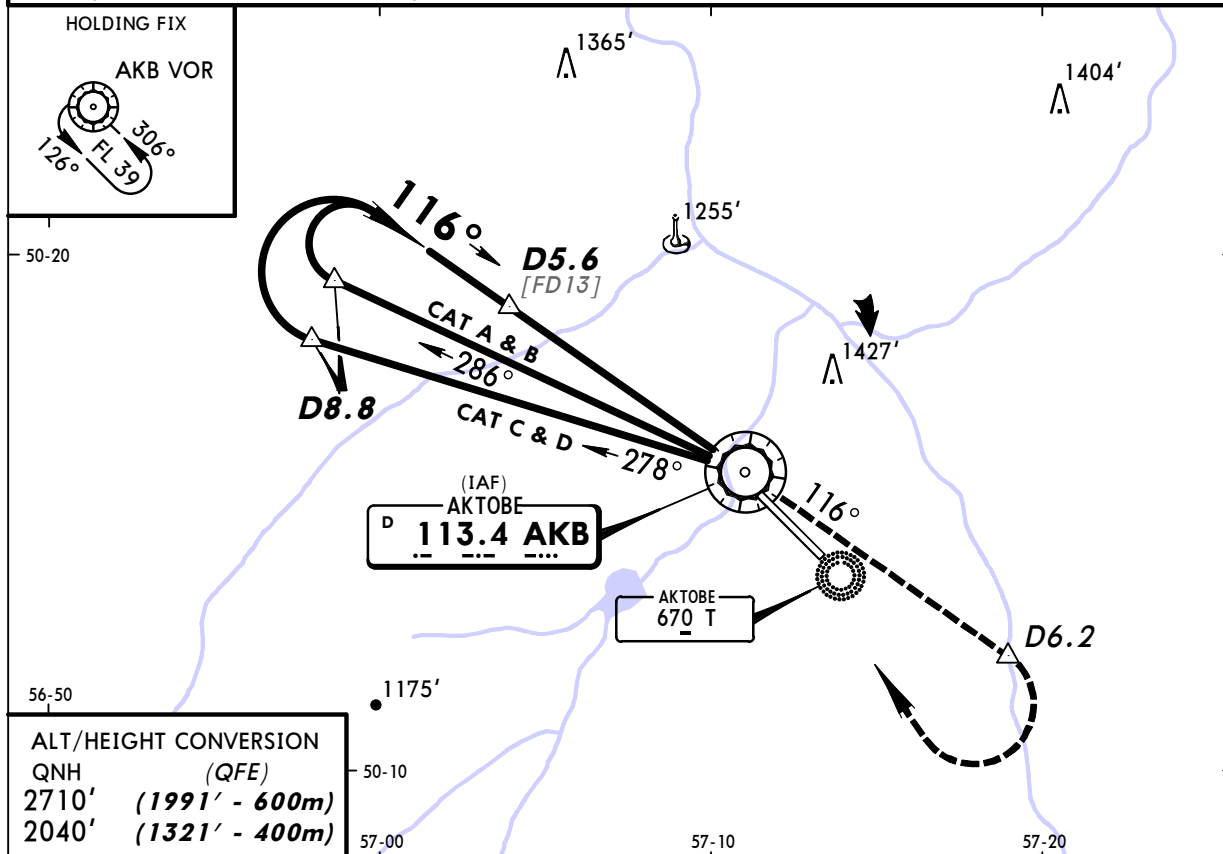
UATT/AKX
AKTOBE

JEPPesen
26 MAR 10 **(13-1)** **Eff 8 Apr**

AKTOBE, KAZAKHSTAN
VOR DME Rwy 13

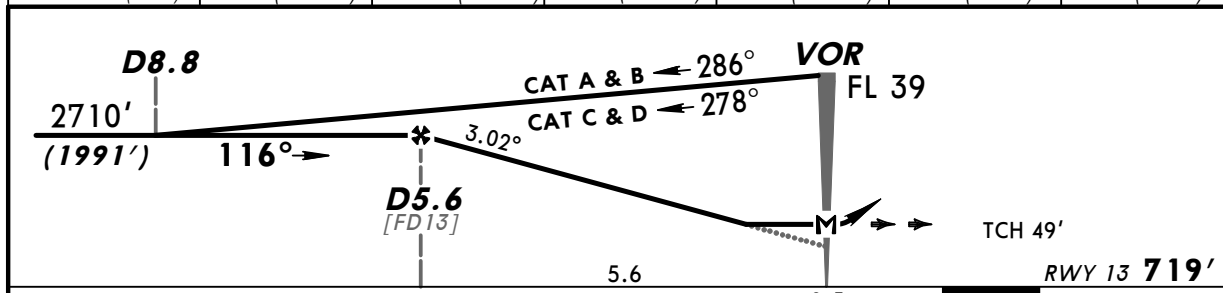
BRIEFING STRIP

126.0 (ATIS (Russian 127.8))		AKTOBE Tower 120.9			3000' MSA AKB VOR
VOR AKB 113.4	Final Apch Crs 116°	Minimum Alt D5.6 2710'(1991')	MDA(H) Refer to Minimums	Apt Elev 738' RWY 719'	
MISSED APCH: Climb on 116° to 2040'(1321') or above outbound to D6.2, then turn RIGHT (MAX 225 KT) to VOR. Climb initially to 2710'(1991'), then as directed.					
MISSED APCH WITH COMM FAILURE: Climb to FL 39 to VOR and hold.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 39	
Final apch track offset 10° from rwy centerline.					Trans alt: 2710'(1991')



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2710'	(1991' - 600m)
2040'	(1321' - 400m)

AKB DME	5.6	5.0	4.0	3.0	2.0	1.0
ALTITUDE (HAT)	2710' (1991')	2520' (1801')	2200' (1481')	1880' (1161')	1560' (841')	1240' (521')



Gnd speed-Kts	70	90	100	120	140	160
Descent angle 3.02°	374	481	534	641	748	855
MAP at VOR						

STRAIGHT-IN LANDING RWY 13	
AB: 1380' (661')	ALS out
CD: 1710' (991')	

PANS OPS

A	3000m
B	
C	5000m
D	

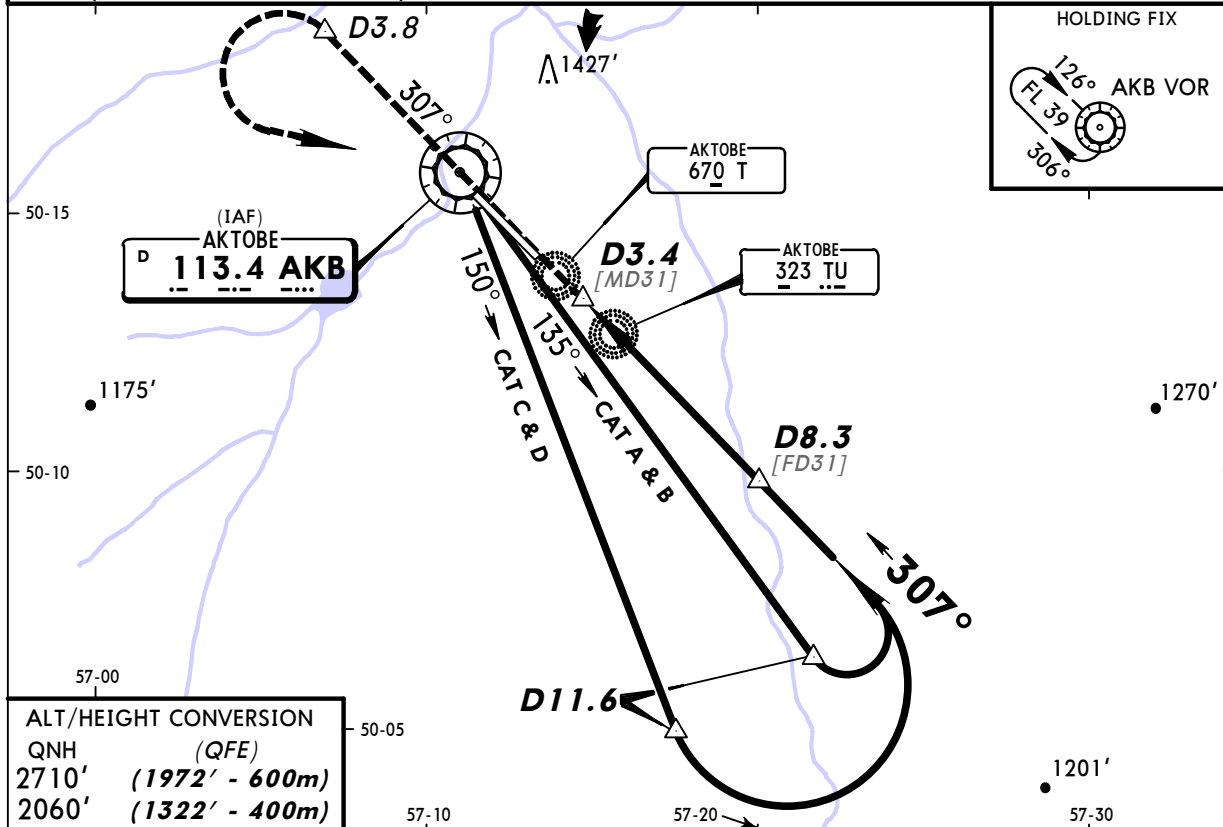
UATT/AKX
AKTOBE

JEPPesen
26 MAR 10 **(13-2)** **Eff 8 Apr**

AKTOBE, KAZAKHSTAN
VOR DME Rwy 31

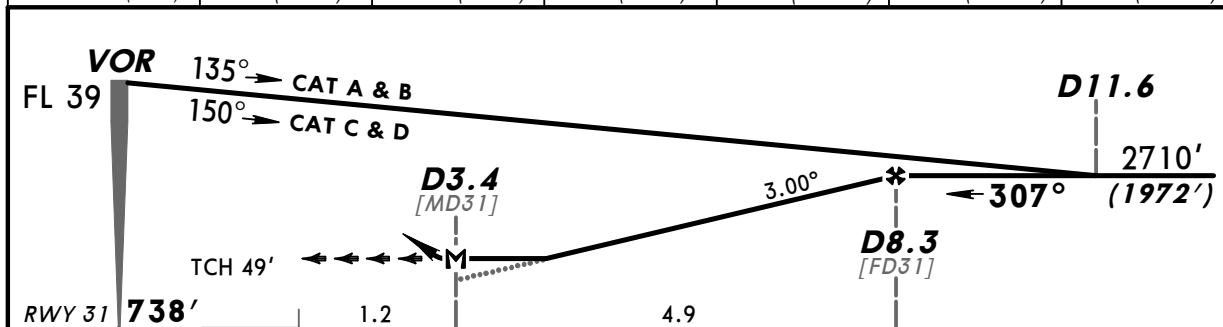
BRIEFING STRIP

ATIS 126.0 (Russian 127.8)			AKTOBE Tower 120.9		3000' MSA AKB VOR
VOR AKB 113.4	Final Apch Crs 307°	Minimum Alt D8.3 2710' (1972')	MDA(H) Refer to Minimums	Apt Elev 738' RWY 738'	
MISSED APCH: Climb on 307° to 2060' (1322') or above outbound to D3.8, then turn LEFT (MAX 225 KT) to VOR. Climb initially to 2710' (1972'), then as directed.					
MISSED APCH WITH COMM FAILURE: Climb to FL 39 to VOR and hold.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 39	
Final apch track offset 1° from rwy centerline.					Trans alt: 2710' (1972')



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2710'	(1972' - 600m)
2060'	(1322' - 400m)

AKB DME	3.0	4.0	5.0	6.0	7.0	8.3
ALTITUDE (HAT)	1050' (312')	1360' (622')	1680' (942')	2000' (1262')	2320' (1582')	2710' (1972')



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI	2060' (1322') or above on 307° D3.8
Descent angle 3.00°	372	478	531	637	743	849		
MAP at D3.4								

STRAIGHT-IN LANDING RWY 31		
MDA(H) AB: 1400'(662')		
CD: 1730'(992')		
ALS out		
A	3000m	
B		
C	5000m	
D		

PANS OPS

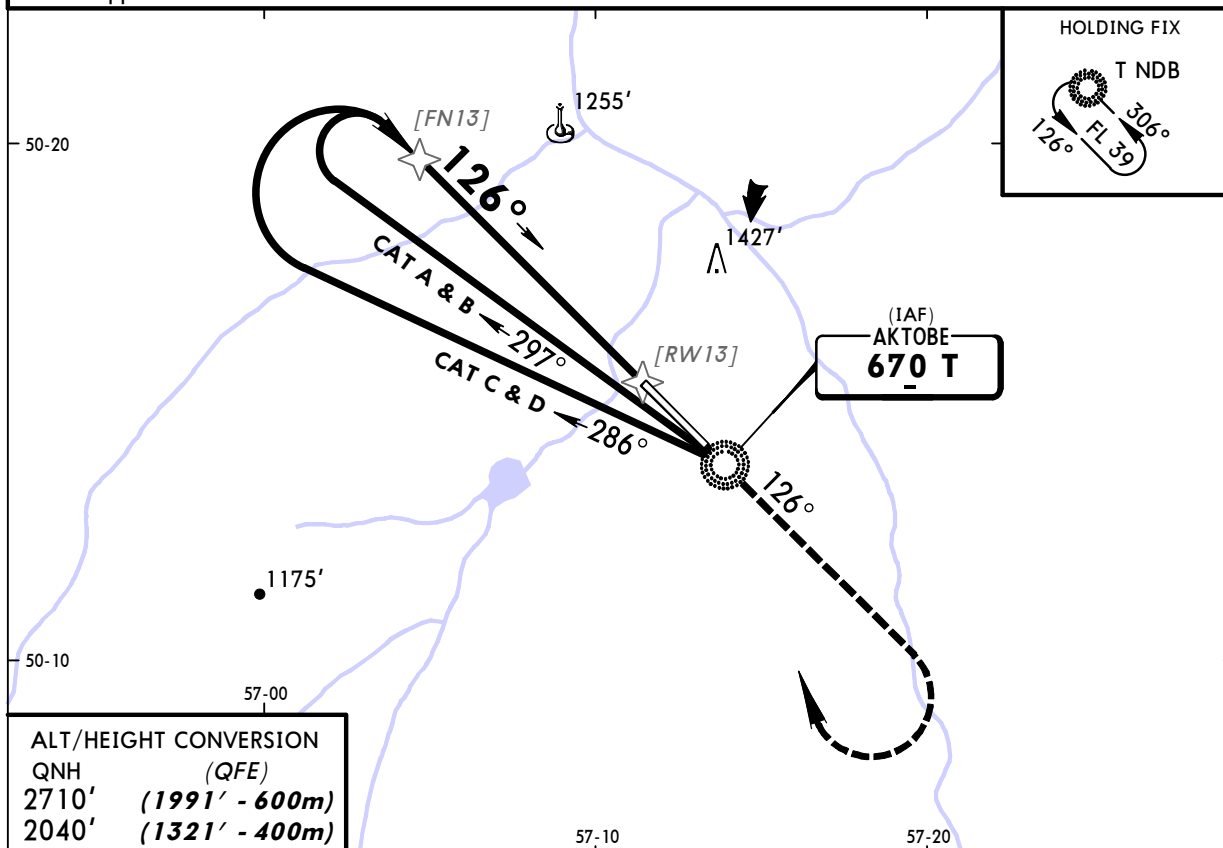
UATT/AKX
AKTOBE

JEPPESEN
26 MAR 10 **(16-1)** **Eff 8 Apr**

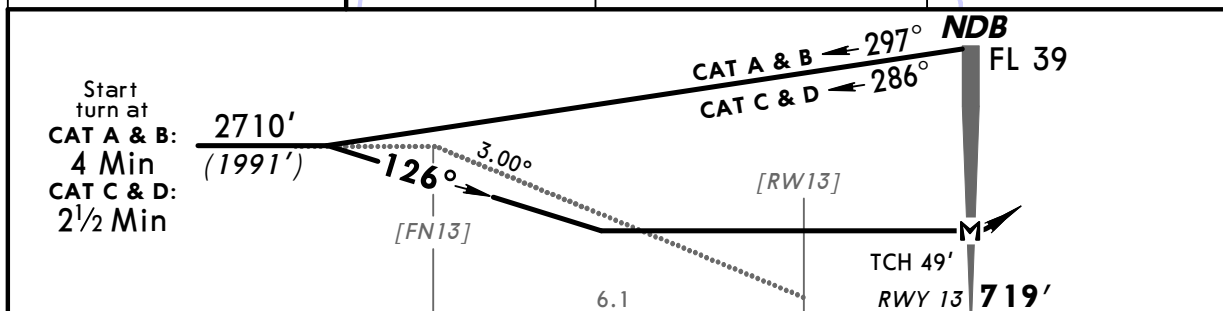
AKTOBE, KAZAKHSTAN
NDB Rwy 13

BRIEFING STRIP

ATIS 126.0 (Russian 127.8)				AKTOBE Tower 120.9	
NDB T 670	Final Apch Crs 126°	Minimum Alt No FAF	MDA(H) Refer to Minimums	Apt Elev 738' RWY 719'	3000' MSA T NDB
MISSED APCH: Climb on 126° to 2040' (1321') or above. After passing NDB maintain 126° for 1 Min 40 Sec, then turn RIGHT (MAX 225 KT) to NDB. Climb initially to 2710' (1991'), then as directed.					
MISSED APCH WITH COMM FAILURE: Climb to FL 39 to NDB and hold.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 39	
Initial approach restricted to MAX 215 KT.					
Trans alt: 2710' (1991')					



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2710'	(1991' - 600m)
2040'	(1321' - 400m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS	2040'	126°
Descent angle 3.00°	372	478	531	637	743	849		(1321')	
MAP at NDB								or above on	

STRAIGHT-IN LANDING RWY 13			
AB:1400'(681')			
MDA(H) CD:1710'(991')			
		ALS out	
A	3000m		
B			
C			
D			
5000m			

PANS OPS

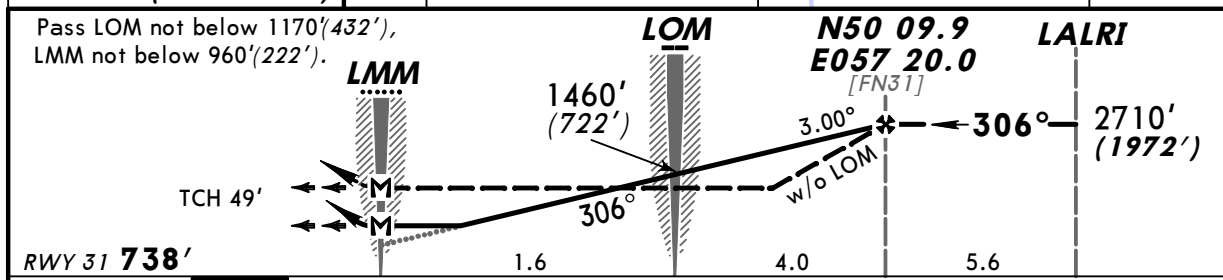
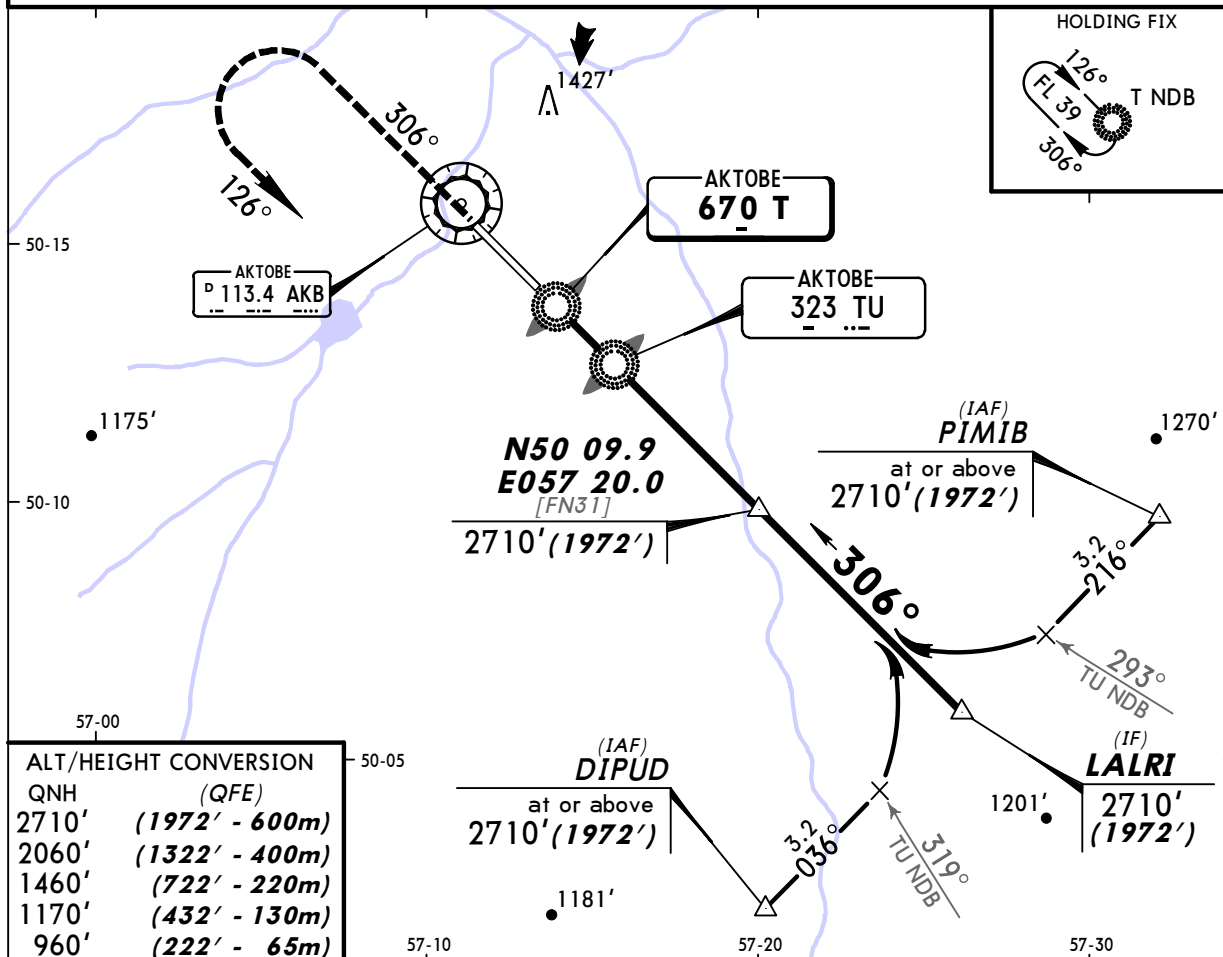
UATT/AKX
AKTOBE

JEPPESSEN
26 MAR 10 **16-2** **Eff 8 Apr**

AKTOBE, KAZAKHSTAN
2 NDB Rwy 31

BRIEFING STRIP

ATIS 126.0 (Russian 127.8)			AKTOBE Tower 120.9		3000' MSA T NDB
NDB T 670	Final Apch Crs 306°	Minimum Alt N50 09.9 E057 20.0 2710' (1972')	MDA(H) (CONDITIONAL) 1140' (402')	Apt Elev 738' RWY 738'	
MISSED APCH: Climb on 306° to 2060' (1322') or above, then turn LEFT (MAX 225 KT) onto 126° climbing to 2710' (1972'), then as directed. Do not turn before passing LMM.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 39	Trans alt: 2710' (1972')	
RADAR required.					



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

STRAIGHT-IN LANDING RWY 31			
with LOM		w/o LOM	
MDA(H) 1140' (402')		MDA(H) 1170' (432')	
ALS out		ALS out	
A			
B			
C			
D			

PANS OPS

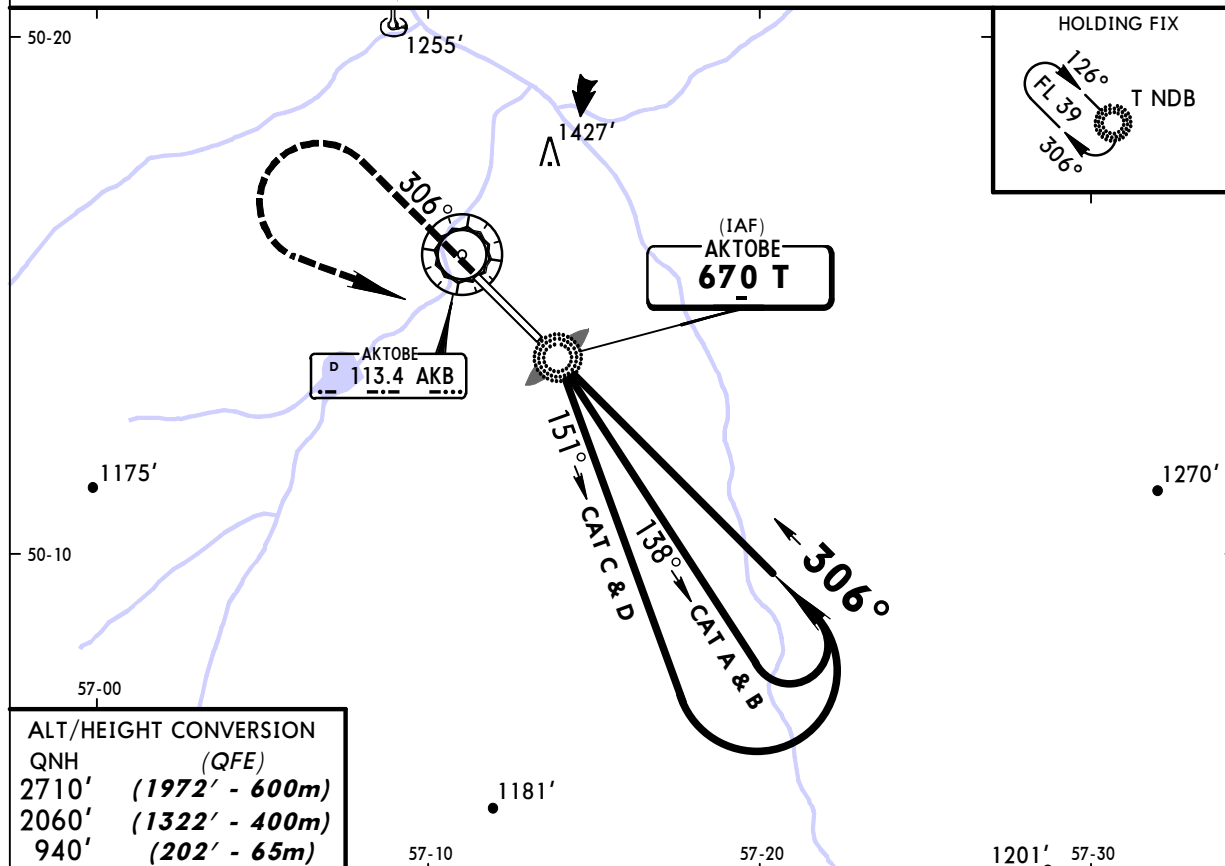
UATT/AKX
AKTOBE

JEPPESEN
12 NOV 10 **(16-3)** **Eff 18 Nov**

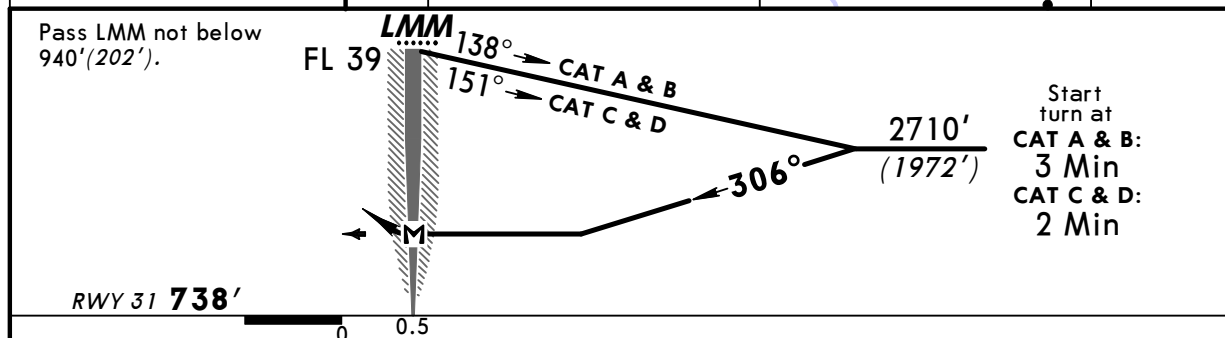
AKTOBE, KAZAKHSTAN
NDB Rwy 31

BRIEFING STRIP

126.0 (Russian 127.8) ATIS				AKTOBE Tower 120.9		
NDB T 670	Final Apch Crs 306°	Minimum Alt No FAF	MDA(H) Refer to Minimums	Apt Elev 738' RWY 738'	3000' MSA T NDB	
MISSED APCH: Climb on 306° to 2060' (1322') or above. After passing LMM maintain 306° for 1 Min 50 Sec, then turn LEFT to LMM. Climb initially to 2710' (1972'), then as directed. MISSED APCH WITH COMM FAILURE: Climb to FL 39 to LMM and hold. Missed apch turn limited to MAX 225 KT.						
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 39		Trans alt: 2710' (1972')
Baseturn restricted to MAX 215 KT.						



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2710'	(1972' - 600m)
2060'	(1322' - 400m)
940'	(202' - 65m)



MAP at LMM					HIALS PAPI		Refer to Missed Apch above
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STRAIGHT-IN LANDING RWY 31		ALS out	
AB: 1400' (662')			
CD: 1730' (992')			
A	2500m		
B			
C	5000m		
D			

PANS OPS