

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

No revision activity since Disc 11-2011

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UAUU

UAAU (Narimanovka)**General Info**

Kostanay, KAZ

N 53° 12.4' E 63° 33.0' Mag Var: 11.1°E

Elevation: 600'

Public, IFR, Control Tower, Customs, Landing Fee

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

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+6:00 no DST

Runway Info

Runway 15-33 8248' x 157' asphalt

Runway 15 (146.0°M) TDZE 597'

Lights: Edge, ALS

Runway 33 (326.0°M) TDZE 571'

Lights: Edge, ALS

Communications InfoKostanay Tower **129.3****Notebook Info**

UAUU/KSN
NARIMANOVKA

JEPPesen
19 NOV 10 **(10-1R)**

KOSTANAY, KAZAKHSTAN
RADAR MINIMUM ALTITUDES

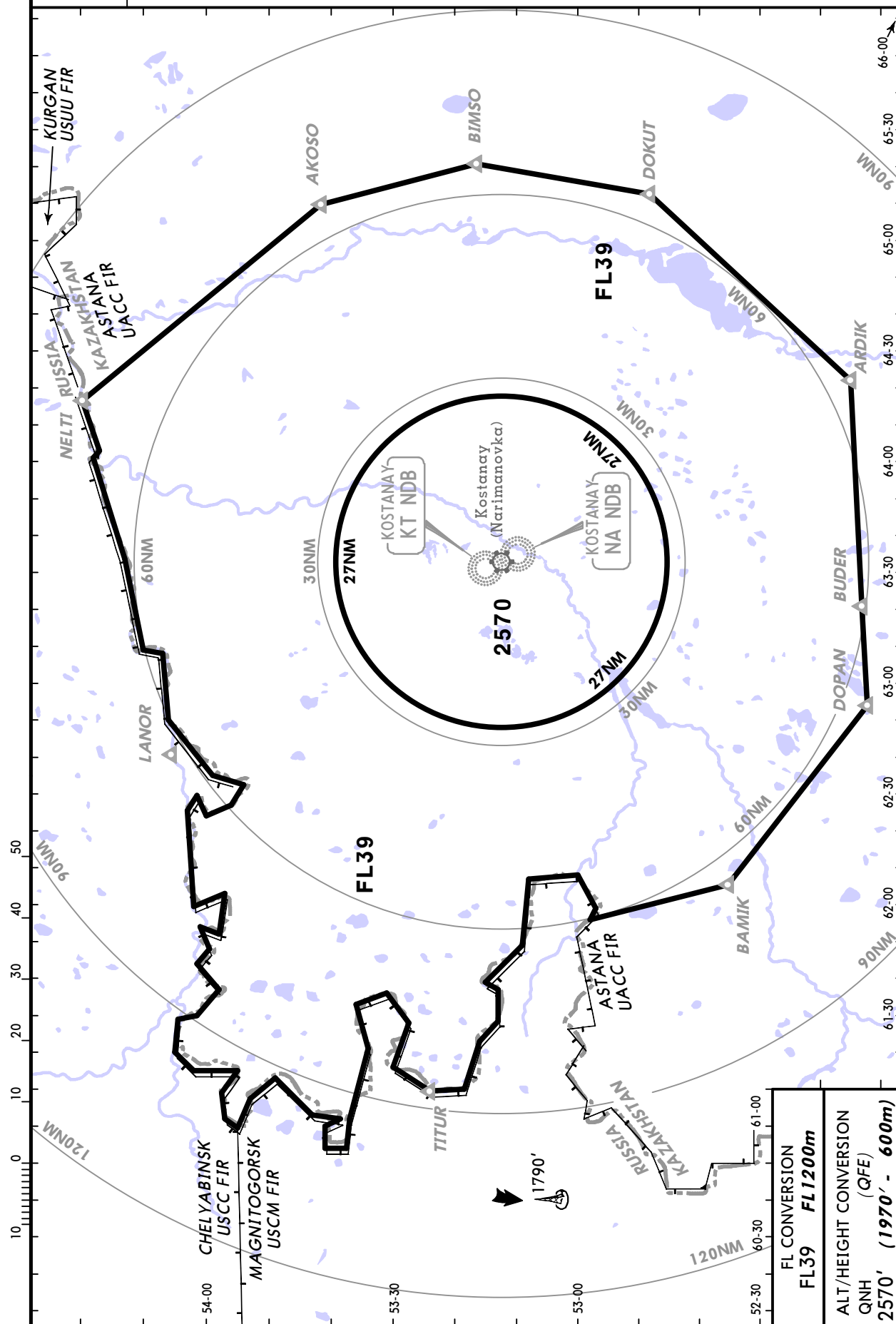
Apt Elev
600'

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

Trans level: FL39 Trans alt: 2570' **(1970')**

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

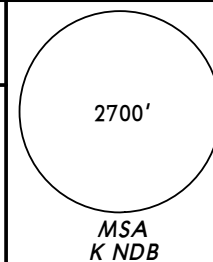
2. Levels assigned by ATC include a correction for low temperature effect when necessary.



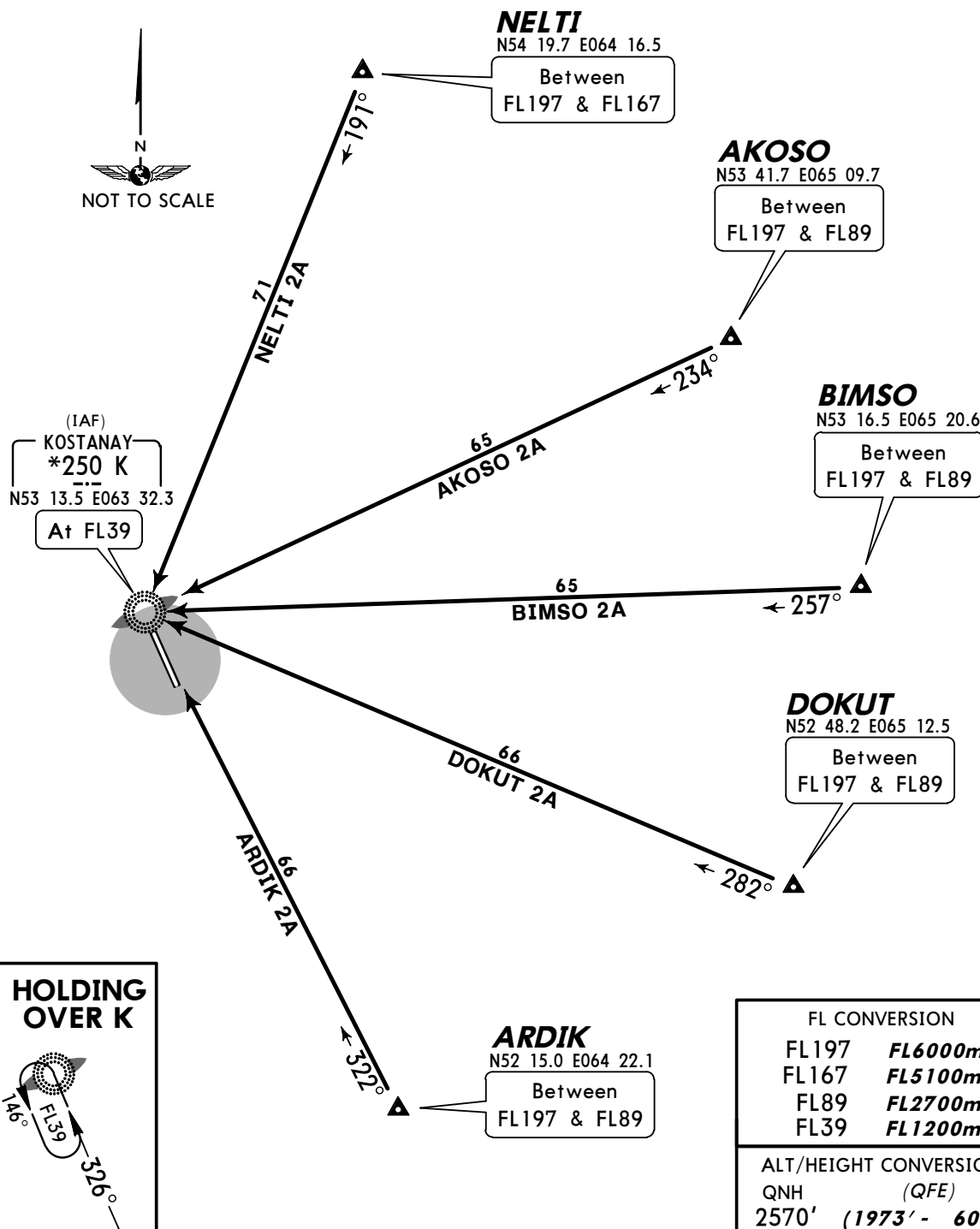
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JEPPESEN KOSTANAY, KAZAKHSTAN
 19 NOV 10 **10-2** **STAR**

Apt Elev **600'** Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL39 Trans alt: 2570' (1973')



AKOSO 2A [AKOS2A], ARDIK 2A [ARDI2A]
BIMSO 2A [BIMS2A], DOKUT 2A [DOKU2A]
NELTI 2A [NELT2A]
RWY 15 ARRIVALS
FROM NORTH, EAST & SOUTHEAST

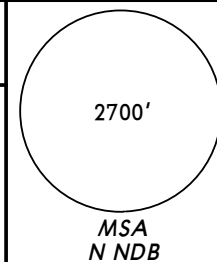


STAR	ROUTING
AKOSO 2A	234° bearing to K.
ARDIK 2A	322° bearing to K.
BIMSO 2A	257° bearing to K.
DOKUT 2A	282° bearing to K.
NELTI 2A	191° bearing to K.

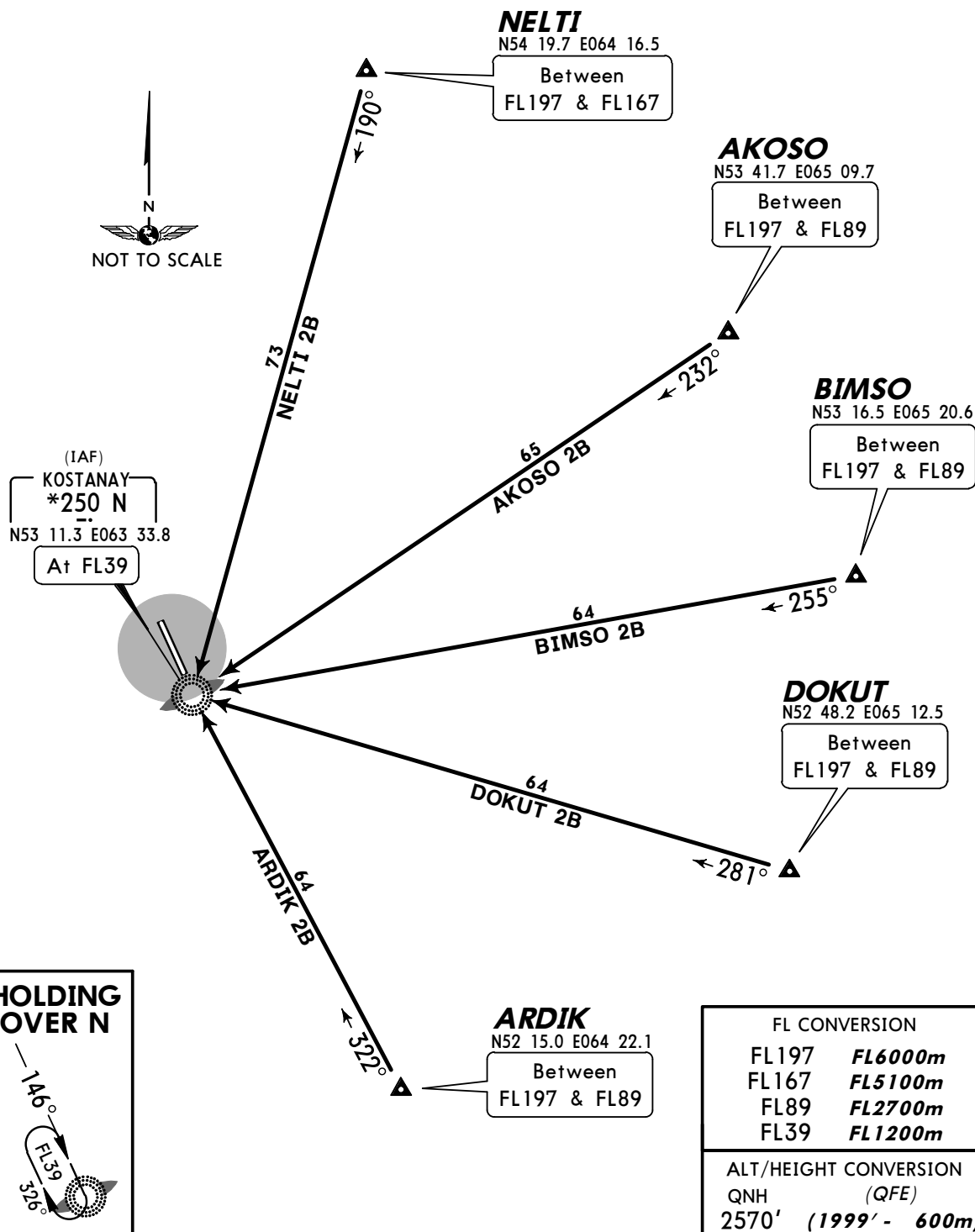
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JEPPESEN KOSTANAY, KAZAKHSTAN
 19 NOV 10 **(10-2A)** **STAR**

Apt Elev
600' Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL39 Trans alt: 2570' (1999')



AKOSO 2B [AKOS2B], ARDIK 2B [ARDI2B]
BIMSO 2B [BIMS2B], DOKUT 2B [DOKU2B]
NELTI 2B [NELT2B]
RWY 33 ARRIVALS
FROM NORTH, EAST & SOUTHEAST

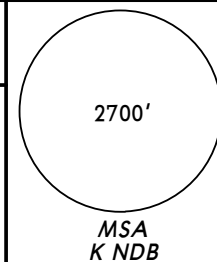


STAR	ROUTING
AKOSO 2B	232° bearing to N.
ARDIK 2B	322° bearing to N.
BIMSO 2B	255° bearing to N.
DOKUT 2B	281° bearing to N.
NELTI 2B	190° bearing to N.

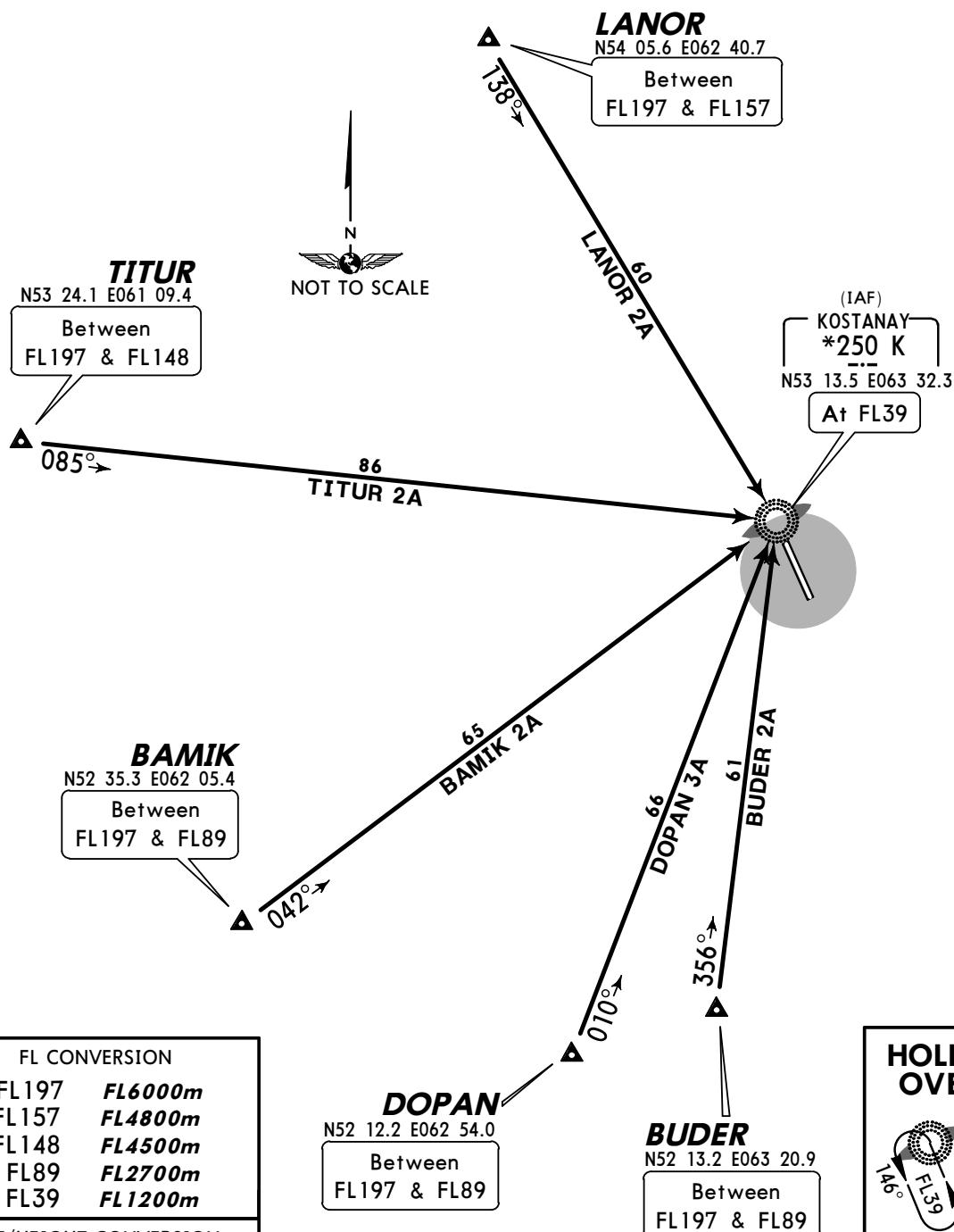
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NARIMANOVKA

JEPPESEN KOSTANAY, KAZAKHSTAN
 19 NOV 10 **(10-2B)** **STAR**

Apt Elev
600' Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL39 Trans alt: 2570' (1973')



**BAMIK 2A [BAMI2A] , BUDER 2A [BUDE2A]
 DOPAN 3A [DOPA3A] , LANOR 2A [LANO2A]
 TITUR 2A [TITU2A]
 RWY 15 ARRIVALS
 FROM SOUTHWEST, WEST & NORTHWEST**

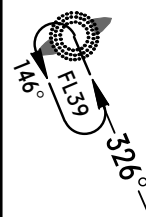


FL CONVERSION

FL197 **FL6000m**
 FL157 **FL4800m**
 FL148 **FL4500m**
 FL89 **FL2700m**
 FL39 **FL1200m**

ALT/HEIGHT CONVERSION
 QNH (QFE)
 2570' (1973' - 600m)

**HOLDING
 OVER K**



STAR

ROUTING

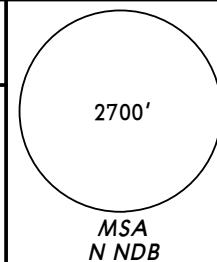
BAMIK 2A 042° bearing to K.
BUDER 2A 356° bearing to K.
DOPAN 3A 010° bearing to K.
LANOR 2A 138° bearing to K.
TITUR 2A 085° bearing to K.

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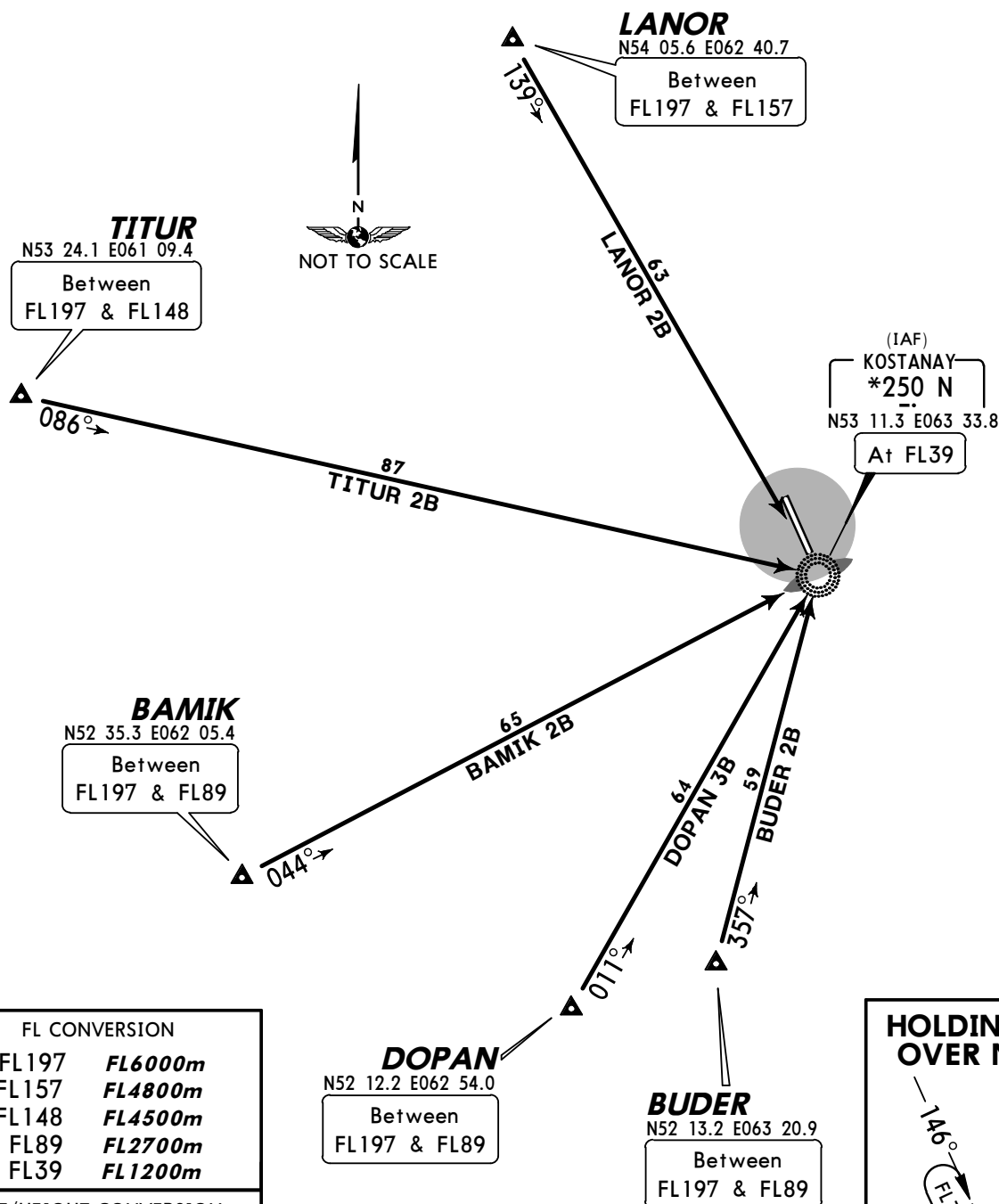
JEPPESEN KOSTANAY, KAZAKHSTAN
 19 NOV 10 **(10-2C)** **STAR**

Apt Elev
600'

Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL39 Trans alt: 2570' (1999')



BAMIK 2B [BAMI2B] , BUDER 2B [BUDE2B]
DOPAN 3B [DOPA3B] , LANOR 2B [LANO2B]
TITUR 2B [TITU2B]
RWY 33 ARRIVALS
FROM SOUTHWEST, WEST & NORTHWEST

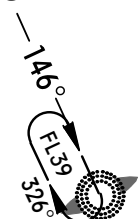


FL CONVERSION

FL197 **FL6000m**
 FL157 **FL4800m**
 FL148 **FL4500m**
 FL89 **FL2700m**
 FL39 **FL1200m**

ALT/HEIGHT CONVERSION
 QNH (QFE)
 2570' (1999' - 600m)

HOLDING OVER N

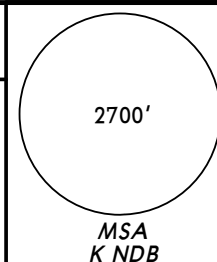


STAR	ROUTING
BAMIK 2B	On 044° bearing to N.
BUDER 2B	On 357° bearing to N.
DOPAN 3B	On 011° bearing to N.
LANOR 2B	On 139° bearing to N.
TITUR 2B	On 086° bearing to N.

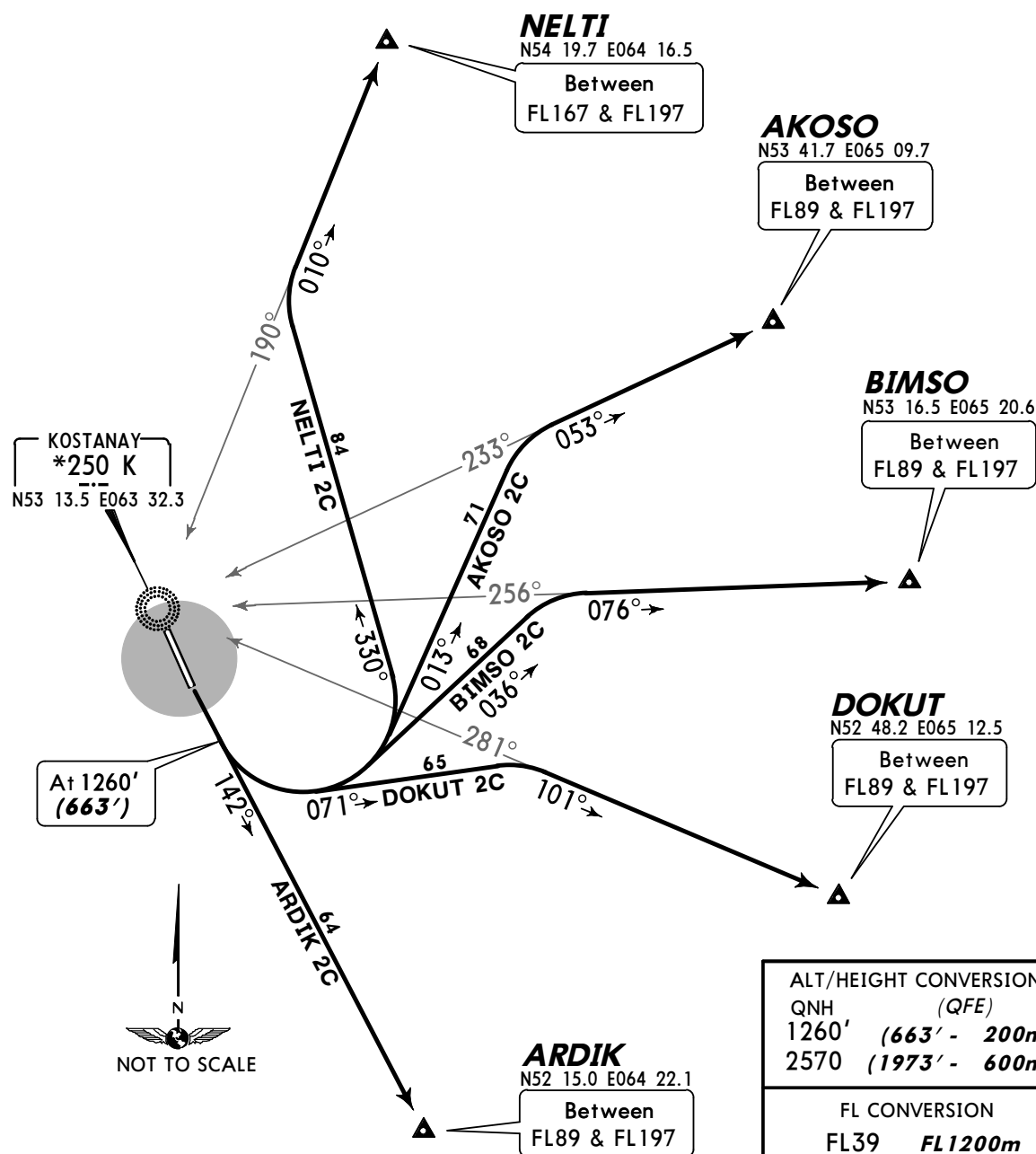
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JEPPESEN KOSTANAY, KAZAKHSTAN
19 NOV 10 **10-3** **SID**

Apt Elev
600' QNH on request (QFE)
Trans level: FL39 Trans alt: 2570' (1973')



AKOSO 2C [AKOS2C], ARDIK 2C [ARDI2C]
BIMSO 2C [BIMS2C], DOKUT 2C [DOKU2C]
NELTI 2C [NELT2C]
RWY 15 DEPARTURES
TO NORTH, EAST & SOUTHEAST



ALT/HEIGHT CONVERSION
QNH (QFE)
1260' (663' - 200m)
2570 (1973' - 600m)

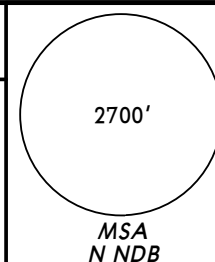
FL CONVERSION
FL39 FL1200m
FL89 FL2700m
FL167 FL5100m
FL197 FL6000m

SID	ROUTING
AKOSO 2C	Climb to 1260' (663'), turn LEFT, 013° track, intercept 053° bearing from K to AKOSO.
ARDIK 2C	Climb to 1260' (663'), turn LEFT, 142° track to ARDIK.
BIMSO 2C	Climb to 1260' (663'), turn LEFT, 036° track, intercept 076° bearing from K to BIMSO.
DOKUT 2C	Climb to 1260' (663'), turn LEFT, 071° track, intercept 101° bearing from K to DOKUT.
NELTI 2C	Climb to 1260' (663'), turn LEFT, 330° track, intercept 010° bearing from K to NELTI.

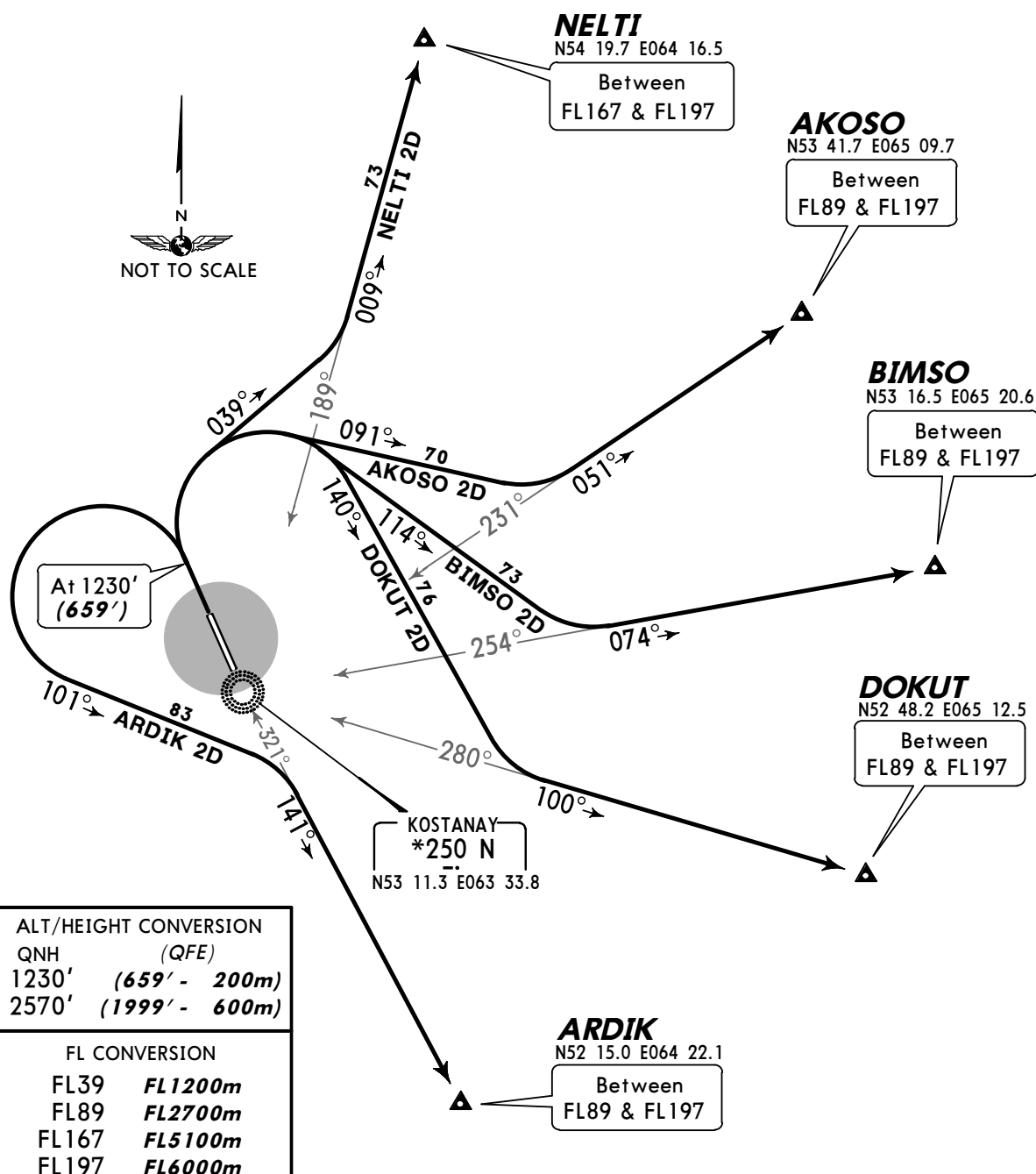
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JEPPESEN KOSTANAY, KAZAKHSTAN
19 NOV 10 **(10-3A)** **SID**

Apt Elev
600' QNH on request **(QFE)**
Trans level: FL39 Trans alt: 2570' **(1999')**



AKOSO 2D [AKOS2D], ARDIK 2D [ARDI2D]
BIMSO 2D [BIMS2D], DOKUT 2D [DOKU2D]
NELTI 2D [NELT2D]
RWY 33 DEPARTURES
TO NORTH, EAST & SOUTHEAST

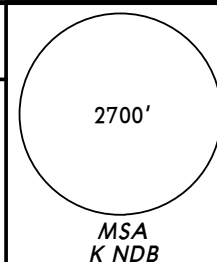


SID	ROUTING
AKOSO 2D	Climb to 1230' (659'), turn RIGHT, 091° track, intercept 051° bearing from N to AKOSO.
ARDIK 2D	Climb to 1230' (659'), turn LEFT, 101° track, intercept 141° bearing from N to ARDIK.
BIMSO 2D	Climb to 1230' (659'), turn RIGHT, 114° track, intercept 074° bearing from N to BIMSO.
DOKUT 2D	Climb to 1230' (659'), turn RIGHT, 140° track, intercept 100° bearing from N to DOKUT.
NELTI 2D	Climb to 1230' (659'), turn RIGHT, 039° track, intercept 009° bearing from N to NELTI.

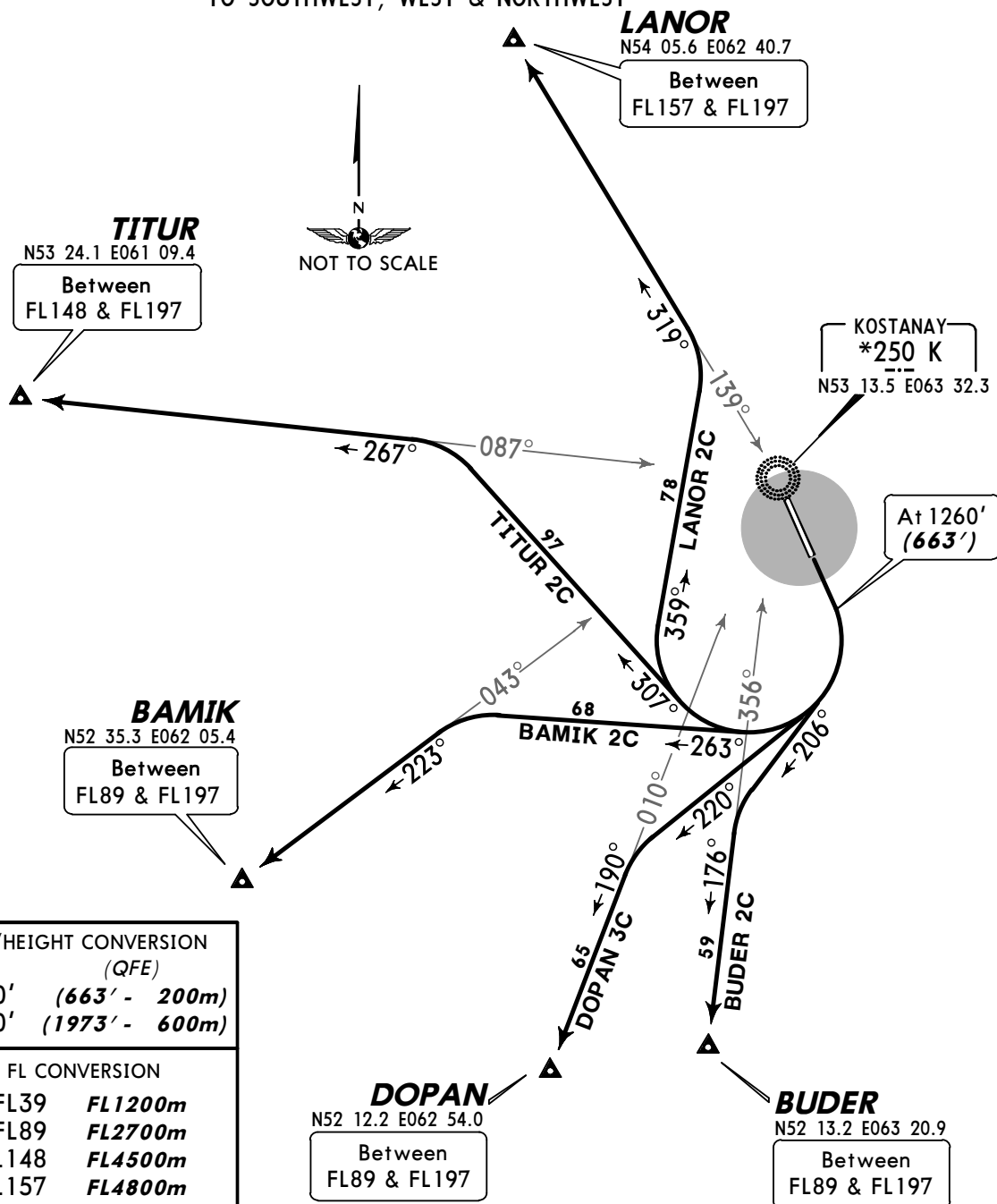
UAUU/KSN
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JEPPESSEN KOSTANAY, KAZAKHSTAN
19 NOV 10 **(10-3B)** **SID**

Apt Elev
600'
QNH on request **(QFE)**
Trans level: FL39 Trans alt: 2570' **(1973')**



BAMIK 2C [BAMI2C] , BUDER 2C [BUDE2C]
DOPAN 3C [DOPA3C] , LANOR 2C [LANO2C]
TITUR 2C [TITU2C]
RWY 15 DEPARTURES
TO SOUTHWEST, WEST & NORTHWEST

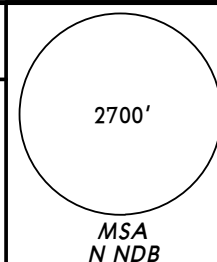


SID	ROUTING
BAMIK 2C	Climb to 1260' (663'), turn RIGHT, 263° track, intercept 223° bearing from K to BAMIK.
BUDER 2C	Climb to 1260' (663'), turn RIGHT, 206° track, intercept 176° bearing from K to BUDER.
DOPAN 3C	Climb to 1260' (663'), turn RIGHT, 220° track, intercept 190° bearing from K to DOPAN.
LANOR 2C	Climb to 1260' (663'), turn RIGHT, 359° track, intercept 319° bearing from K to LANOR.
TITUR 2C	Climb to 1260' (663'), turn RIGHT, 307° track, intercept 267° bearing from K to TITUR.

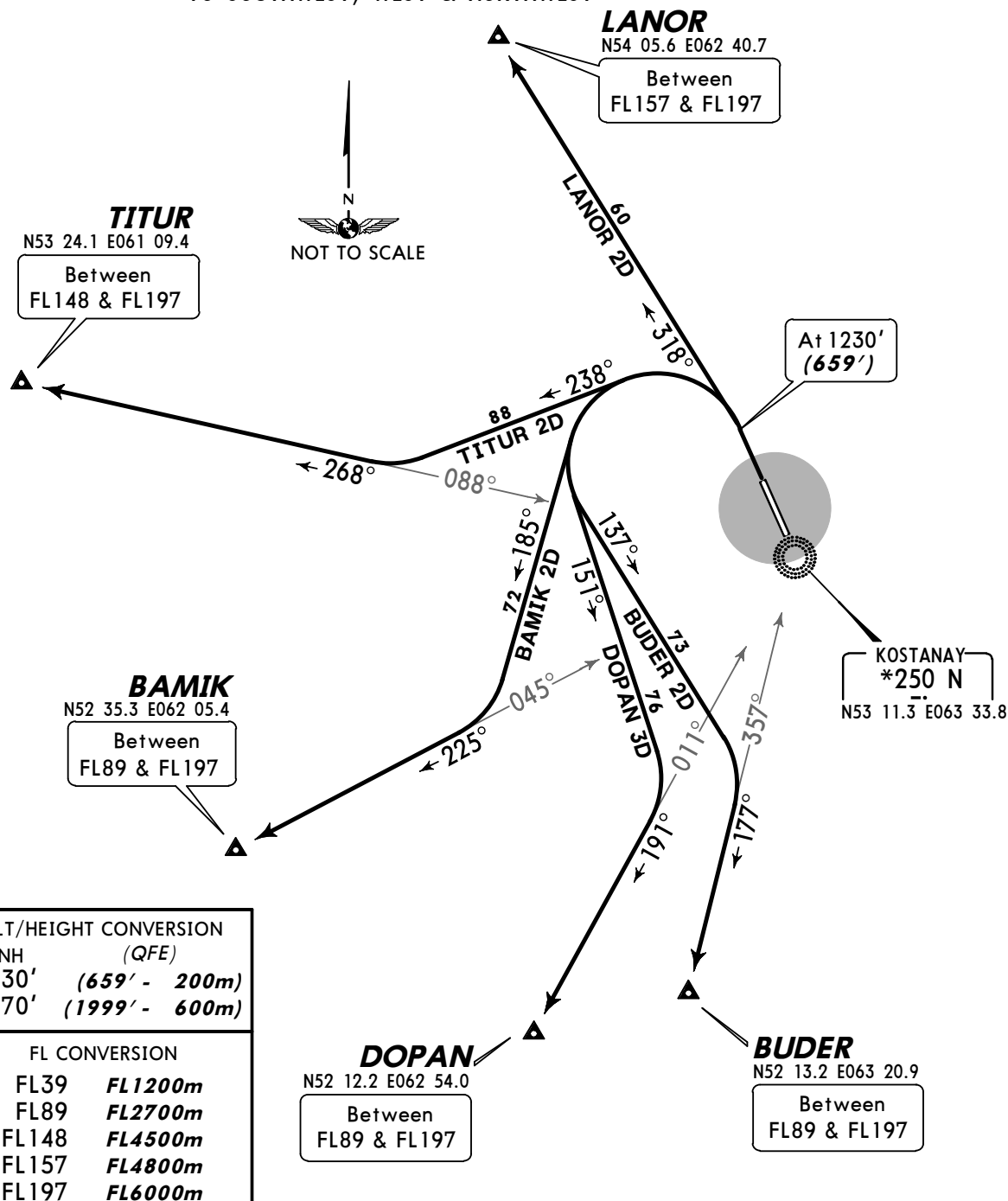
UAUU/KSN
NARIMANOVKA

JEPPESSEN KOSTANAY, KAZAKHSTAN
19 NOV 10 **(10-3C)** **SID**

Apt Elev
600'
QNH on request **(QFE)**
Trans level: FL39 Trans alt: 2570' **(1999')**



BAMIK 2D [BAMI2D] , BUDER 2D [BUDE2D]
DOPAN 3D [DOPA3D] , LANOR 2D [LANO2D]
TITUR 2D [TITU2D]
RWY 33 DEPARTURES
TO SOUTHWEST, WEST & NORTHWEST

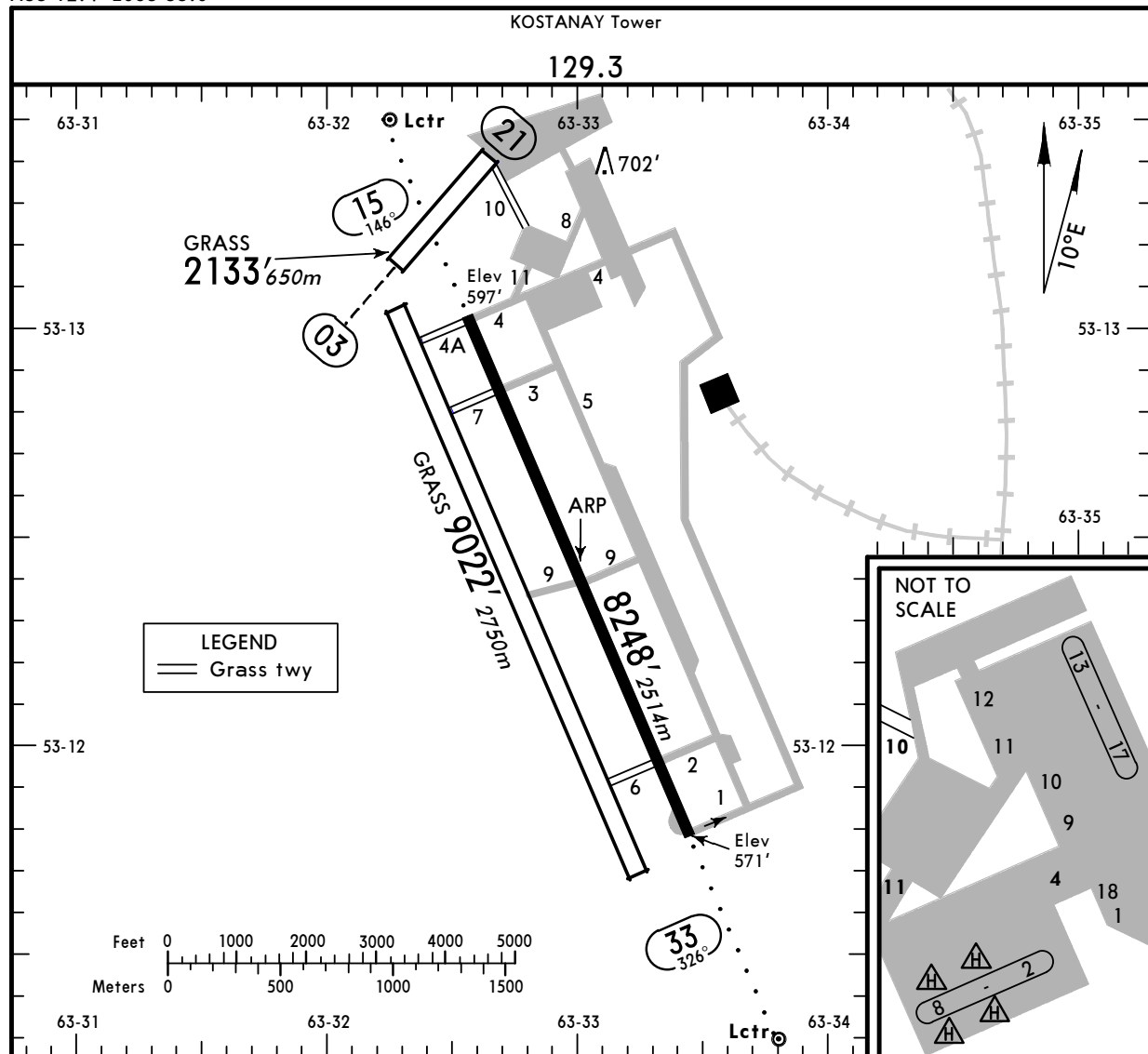


SID	ROUTING
BAMIK 2D	Climb to 1230' (659'), turn LEFT, 185° track, intercept 225° bearing from N to BAMIK.
BUDER 2D	Climb to 1230' (659'), turn LEFT, 137° track, intercept 177° bearing from N to BUDER.
DOPAN 3D	Climb to 1230' (659'), turn LEFT, 151° track, intercept 191° bearing from N to DOPAN.
LANOR 2D	Climb to 1230' (659'), turn LEFT, 318° track to LANOR.
TITUR 2D	Climb to 1230' (659'), turn LEFT, 238° track, intercept 268° bearing from N to TITUR.

UAUU/KSN

Apt Elev **600'**
N53 12.4 E063 33.0

JEPPESSEN KOSTANAY, KAZAKHSTAN
16 JUL 10 **(10-9)** Eff 29 Jul **NARIMANOVKA**



ADDITIONAL RUNWAY INFORMATION

RWY			USABLE LENGTHS		TAKE-OFF	WIDTH
			Threshold	Landing Beyond Glide Slope		
03	21					328' 100m
15	33	RL (60m) ALS	RVR	7337' 2236m 7215' 2199m		157' 48m
15	33	Grass runway				328' 100m

TAKE-OFF

AIR CARRIER (JAA)
All Rwys

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

I LVP must be in force: 300m.

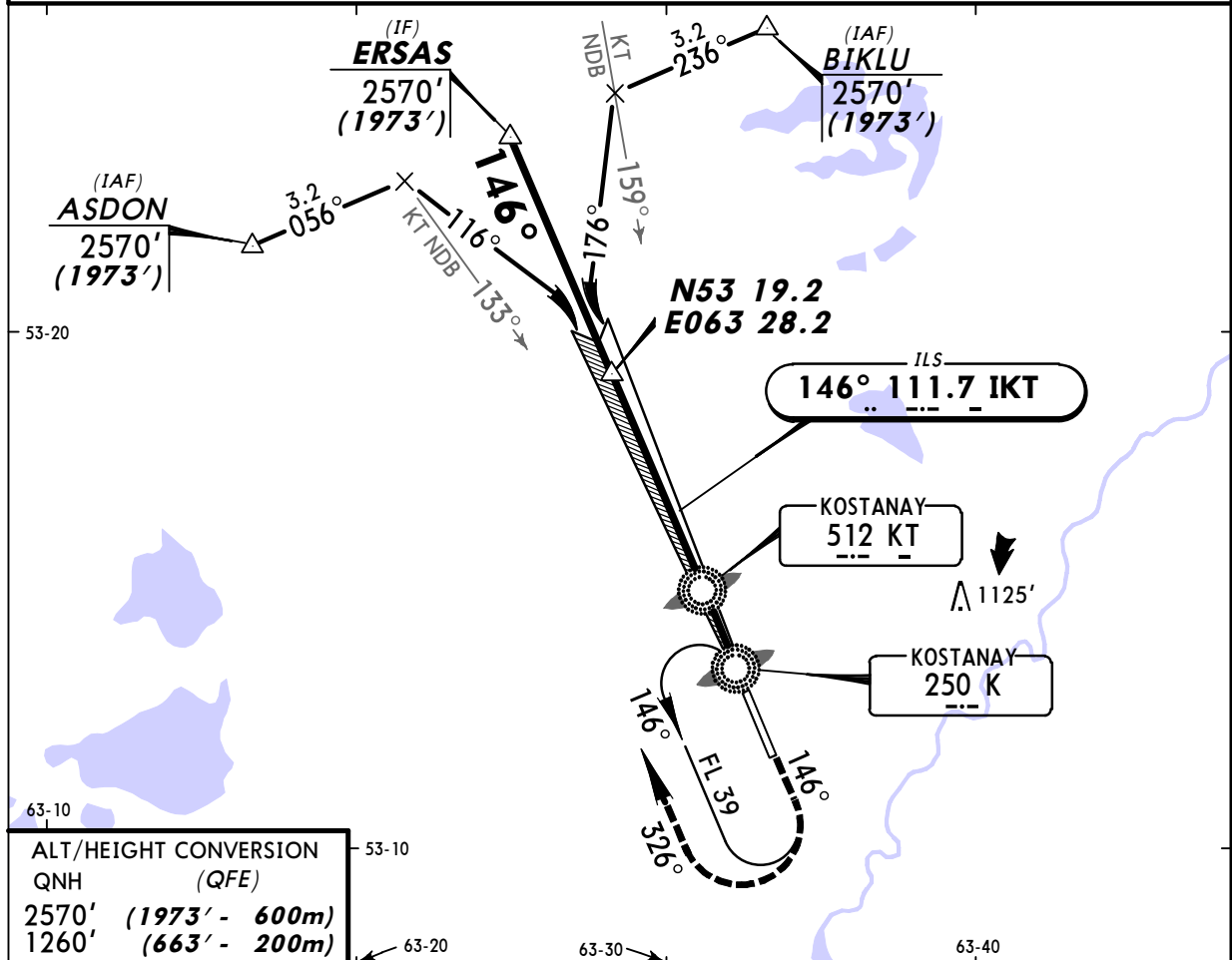
UAUU/KSN
NARIMANOVKA

JEPPesen
12 NOV 10 **(11-1)** **Eff 18 Nov**

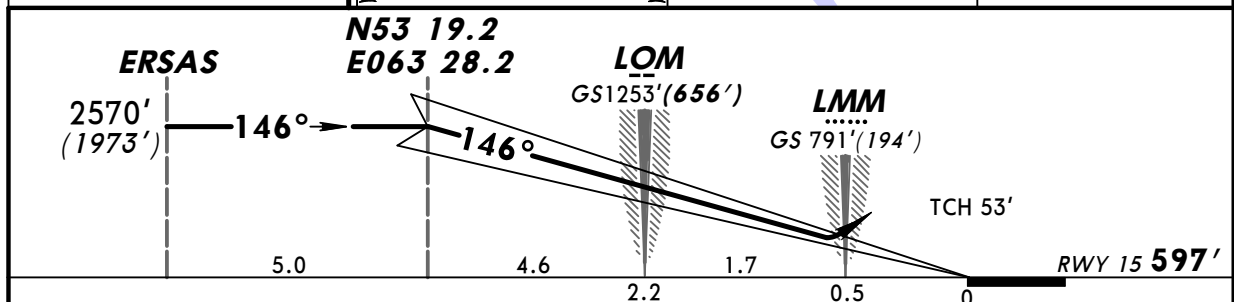
KOSTANAY, KAZAKHSTAN
ILS Y Rwy 15

BRIEFING STRIP

KOSTANAY Tower 129.3					2700' MSA K NDB
LOC IKT 111.7	Final Apch Crs 146°	GS LOM 1253'(656')	ILS DA(H) Refer to Minimums	Apt Elev 600' RWY 597'	
MISSED APCH: Climb on 146° to 1260'(663'), then turn RIGHT (MAX 225 KT) onto 326° climbing to 2570' (1973'), then as directed.					
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 39 Trans alt: 2570' (1973')					
RADAR required.					



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2570'	(1973' - 600m)
1260'	(663' - 200m)



Gnd speed-Kts	70	90	100	120	140	160	1260' (663') on 146°
GS	2.67°	336	432	480	576	671	

STRAIGHT-IN LANDING RWY 15					
ILS		LOC (GS out)			
DA(H) AB: 797'(200') CD: 827'(230')					
FULL		ALS out			
A	1200m		NOT AUTH		
B					
C					
D					

PANS OPS

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NARIMANOVKA

**JEPPESEN**

12 NOV 10

(11-2)

Eff 18 Nov

KOSTANAY, KAZAKHSTAN

ILS X Rwy 15

KOSTANAY Tower

129.3

BRIEFING STRIP™

LOC
IKT
11.7

*Final
Apch Crs
146°*

GS
LOM
1253' (656')

ILS
DA(H)
Refer to
Minimums

Apt Elev 600'
RWY 597'

2700'

MSA K NDB

MISSED APCH: Climb on 146° to 1260' (663') or above. After passing K NDB maintain 146° for 1 Min 20 Sec, then turn RIGHT to K NDB. Climb initially to 2570' (1973'), then as directed.

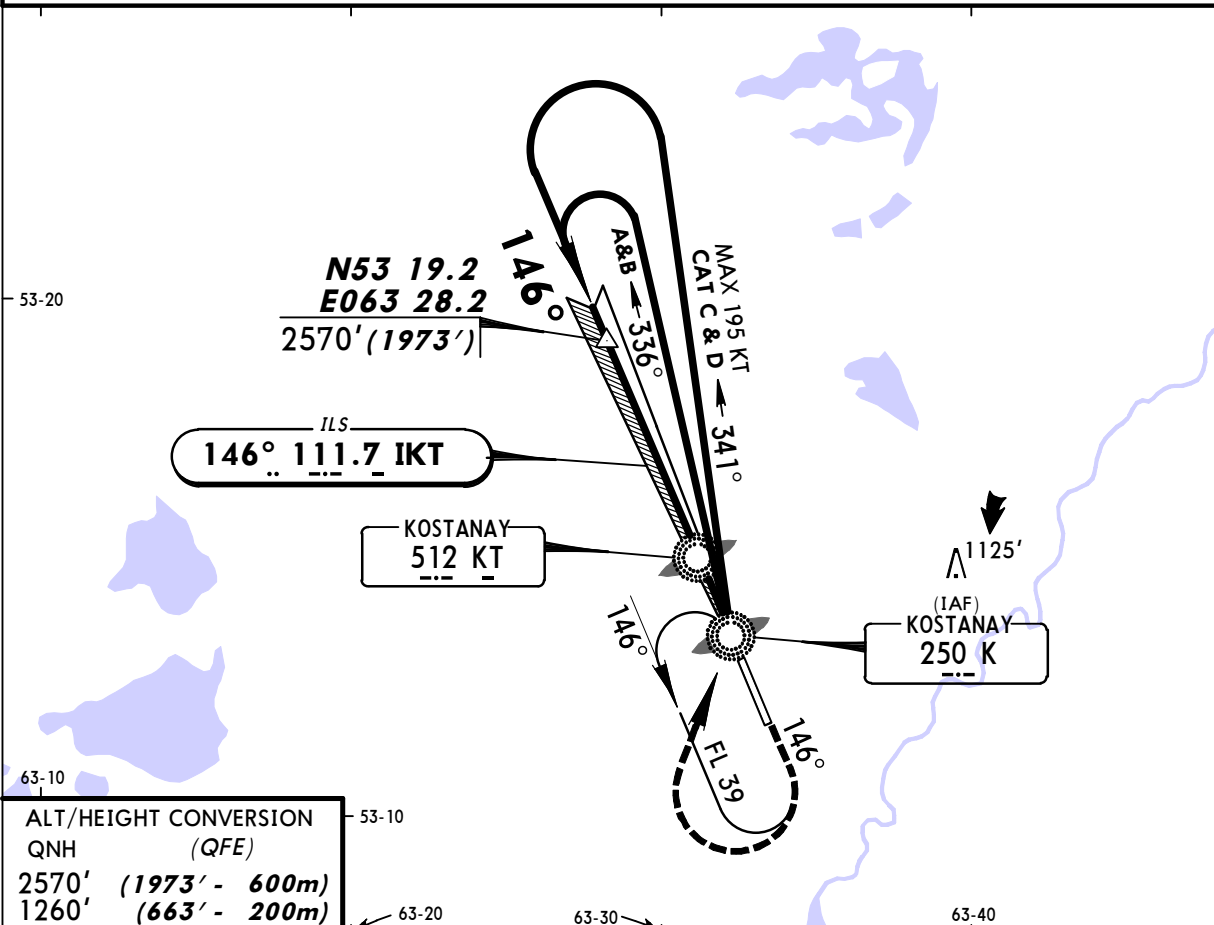
MISSED APCH WITH COMM FAILURE: Climb to FL 39 to K NDB and join holding.
Missed approach turn limited to MAX 225 KT.

Alt Set: MM (hPa on req)

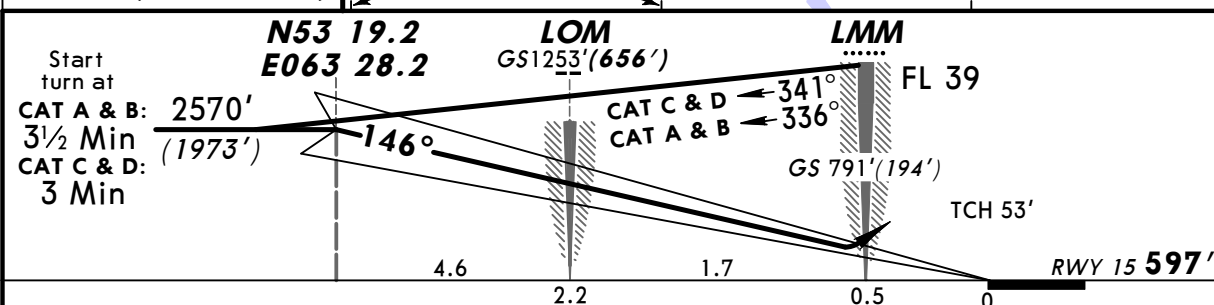
QNH on req (**QFE**)

Trans |level|: FL 39

Trans alt: 2570' (1973')



ALT/HEIGHT CONVERSION
QNH (QFE)
2570' (1973' - 600m)
1260' (663' - 200m)



<i>Gnd speed-Kts</i>	70	90	100	120	140	160
GS 2.67°	336	432	480	576	671	767

Refer to
Missed Apch
above

STRAIGHT-IN LANDING RWY 15

DA(H) ILS
AB: 797' (200') CD: 827' (230')

LOC (GS out)

FULL	ALS out
------	---------

A

B	
---	--

5

[illegible]

1200m

NOT
AUTH

PANS OPS

CHANGES: New procedure.

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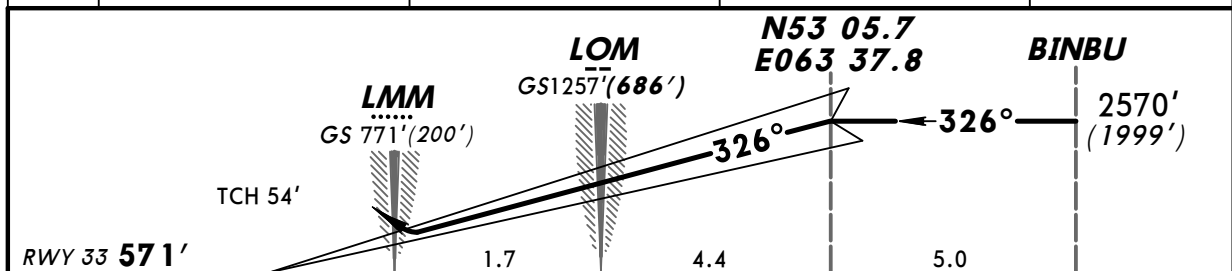
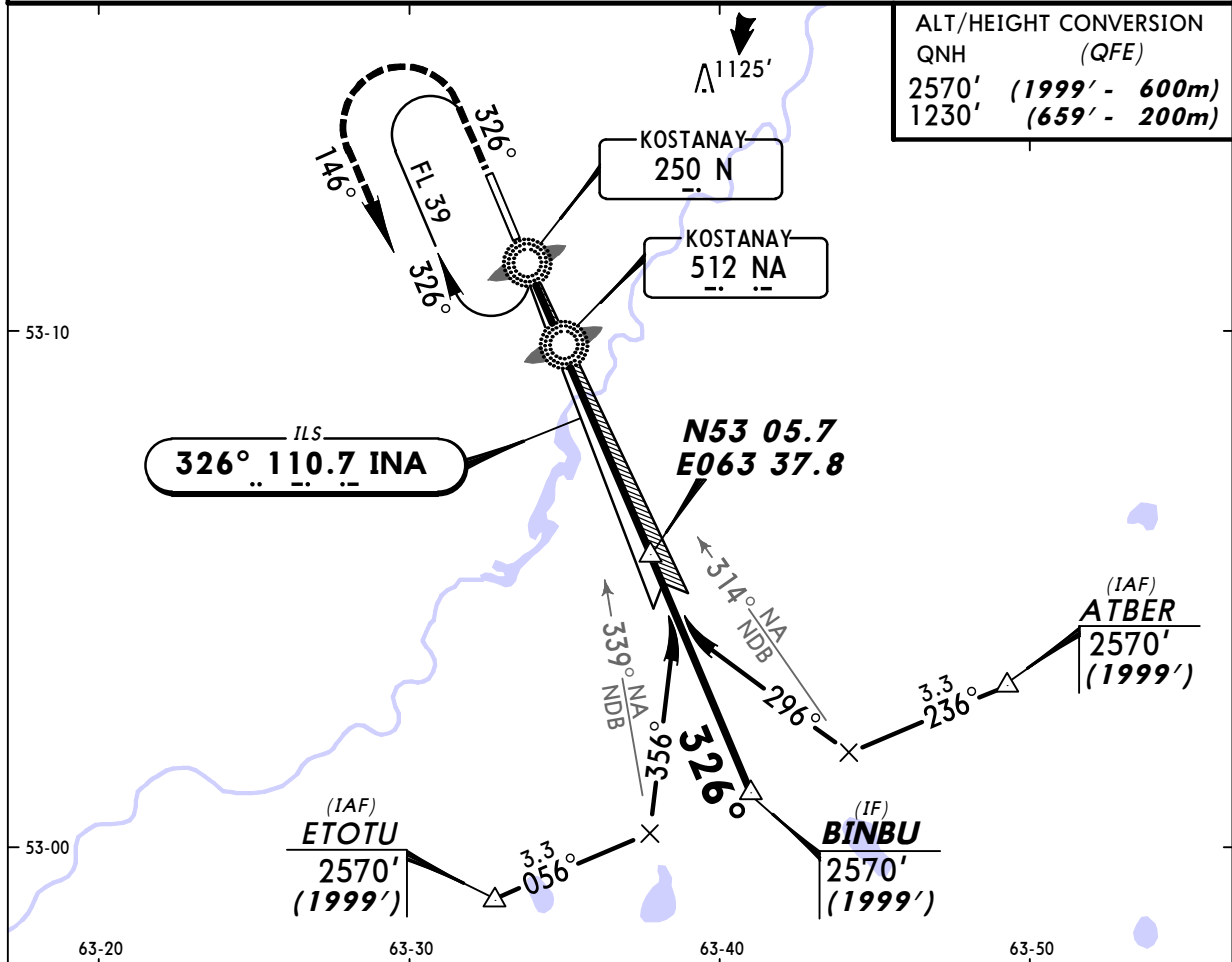
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NARIMANOVKA

JEPPesen 12 NOV 10 **(11-3)** **Eff 18 Nov**

KOSTANAY, KAZAKHSTAN
ILS Y Rwy 33

BRIEFING STRIP

KOSTANAY Tower 129.3					2700' MSA N NDB
LOC INA 110.7	Final Apch Crs 326°	GS LOM 1257'(686')	ILS DA(H) Refer to Minimums	Apt Elev 600' RWY 571'	
MISSED APCH: Climb on 326° to 1230'(659'), then turn LEFT (MAX 225 KT) onto 146° climbing to 2570'(1999'), then as directed.					
Alt Set: MM (hPa on req) RADAR required.		QNH on req (QFE)	Trans level: FL 39	Trans alt: 2570'(1999')	



Gnd speed-Kts	70	90	100	120	140	160	ALS 1230' (659') on 326°
GS	2.67°	336	432	480	576	671	

STRAIGHT-IN LANDING RWY 33					
ILS DA(H) AB: 771'(200') CD: 801'(230')		LOC (GS out)			
FULL		ALS out			
A	1200m		NOT AUTH		
B					
C					
D					

PANS OPS

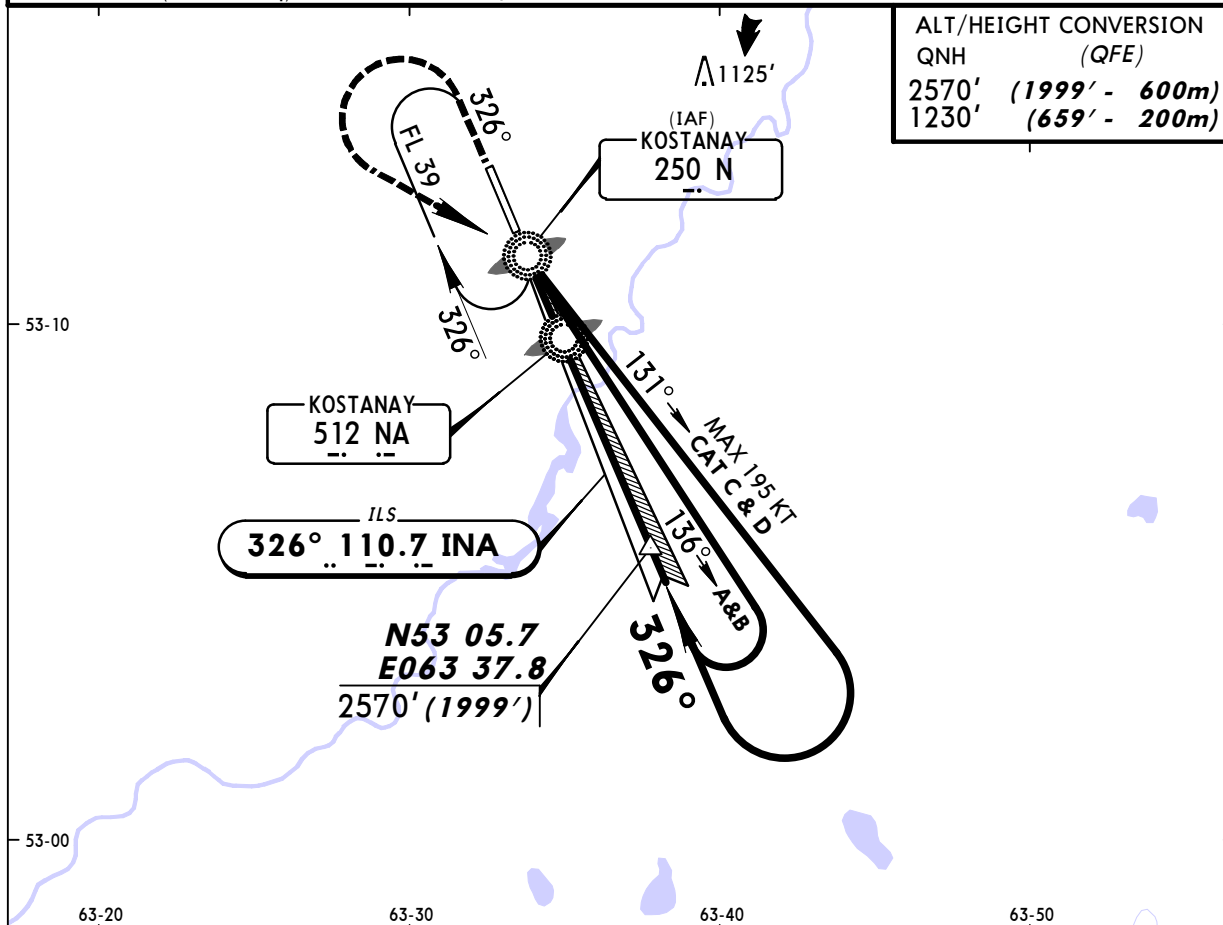
UAUU/KSN
NARIMANOVKA

JEPPesen
12 NOV 10 **11-4** **Eff 18 Nov**

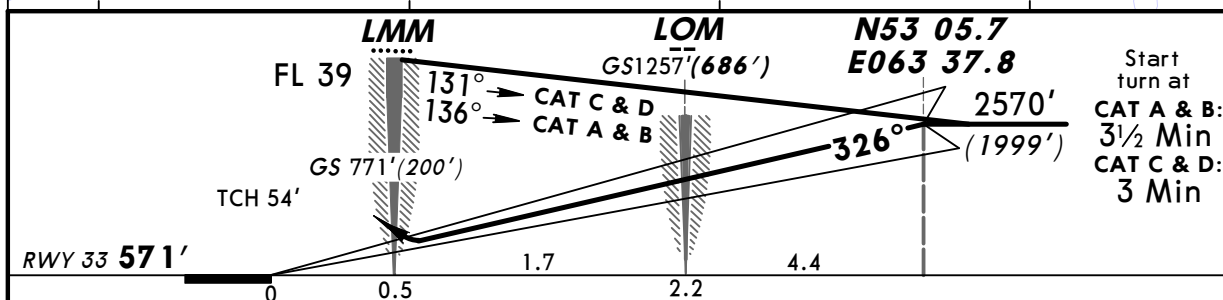
KOSTANAY, KAZAKHSTAN
ILS X Rwy 33

BRIEFING STRIP

KOSTANAY Tower 129.3					
LOC INA 110.7	Final Apch Crs 326°	GS LOM 1257'(686')	ILS DA(H) Refer to Minimums	Apt Elev 600' RWY 571'	2700' MSA N NDB
MISSED APCH: Climb on 326° to 1230' (659') or above. After passing N NDB maintain 326° for 1 Min 20 Sec, then turn LEFT to N NDB. Climb initially to 2570' (1999'), then as directed. MISSED APCH WITH COMM FAILURE: Climb to FL 39 to N NDB and join holding. Missed approach turn limited to MAX 225 KT.					
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 39 Trans alt: 2570' (1999')					



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2570'	(1999' - 600m)
1230'	(659' - 200m)



Gnd speed-Kts	70	90	100	120	140	160	ALS	Refer to Missed Apch above
GS	2.67°	336	432	480	576	671		

STRAIGHT-IN LANDING RWY 33			
ILS		LOC (GS out)	
DA(H) AB: 771'(200') CD: 801'(230')			
FULL		ALS out	
A	1200m	NOT AUTH	
B			
C			
D			

PANS OPS

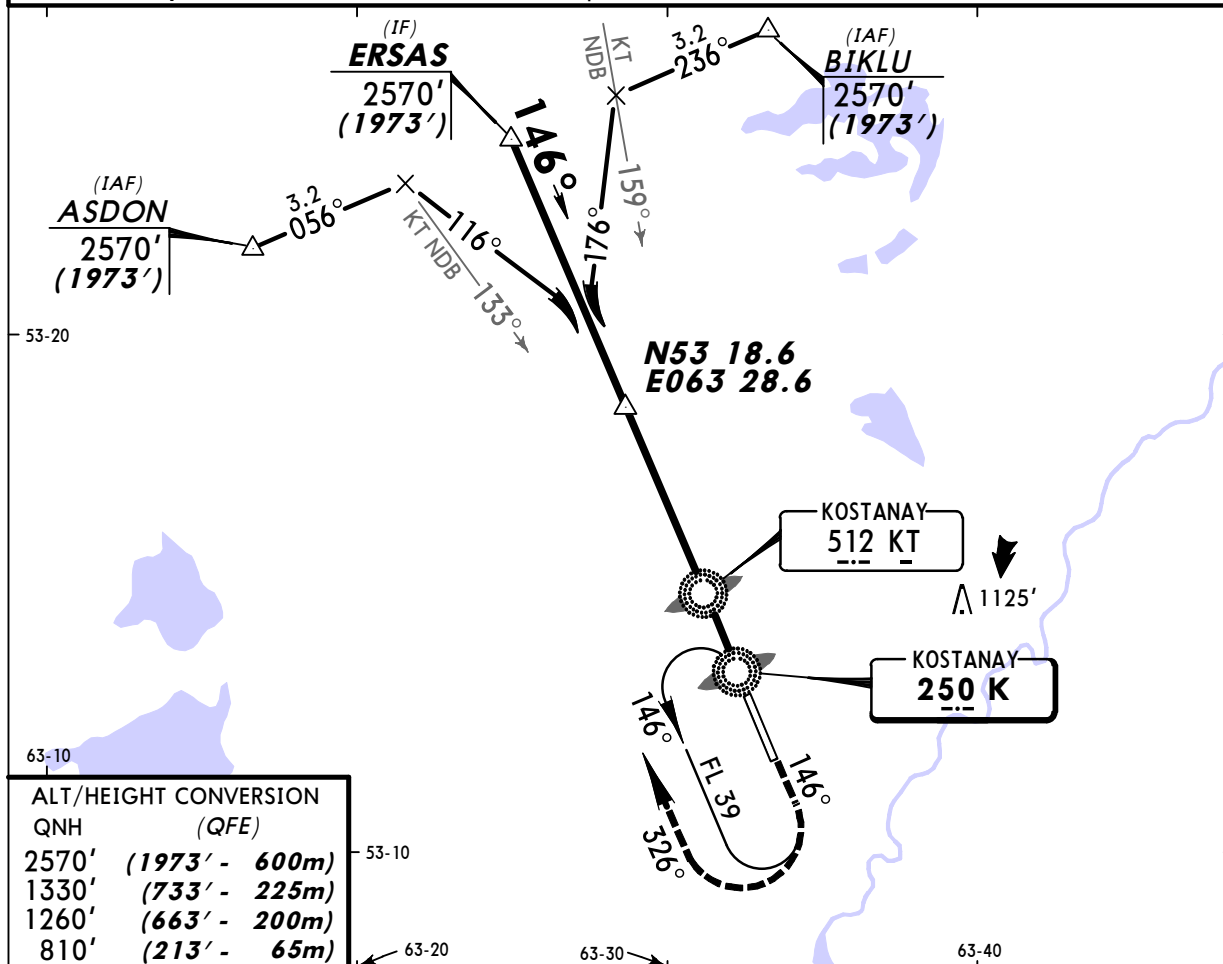
UAUU/KSN
NARIMANOVKA

JEPPesen
12 NOV 10 **(16-1)** **Eff 18 Nov**

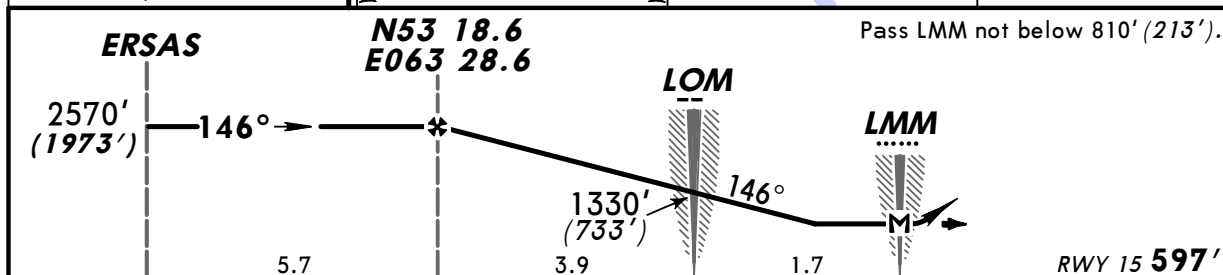
KOSTANAY, KAZAKHSTAN
2 NDB Rwy 15

BRIEFING STRIP

KOSTANAY Tower 129.3					2700'
NDB K	Final Apch Crs	Minimum Alt N53 18.6 E063 28.6	MDA(H)	Apt Elev	
250	146°	2570' (1973')	980' (383')	600' RWY 597'	
MISSED APCH: Climb on 146° to 1260' (663'), then turn RIGHT (MAX 225 KT) onto 326° climbing to 2570' (1973'), then as directed.					MSA K NDB
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 39 Trans alt: 2570' (1973')					
1. RADAR required. 2. Initial and intermediate apch as directed.					



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2570'	(1973' - 600m)
1330'	(733' - 225m)
1260'	(663' - 200m)
810'	(213' - 65m)



Gnd speed-Kts	70	90	100	120	140	160	ALS	1260' (663') on 146°
Descent Angle 3.00°	372	478	531	637	743	849		
MAP at LMM								

STRAIGHT-IN LANDING RWY 15			
MDA(H) 980'(383')			
ALS out			
A	RVR 1500m VIS 1600m		
B			
C			
D			

PANS OPS

UAUU/KSN
NARIMANOVKA



JEPPesen

12 NOV 10

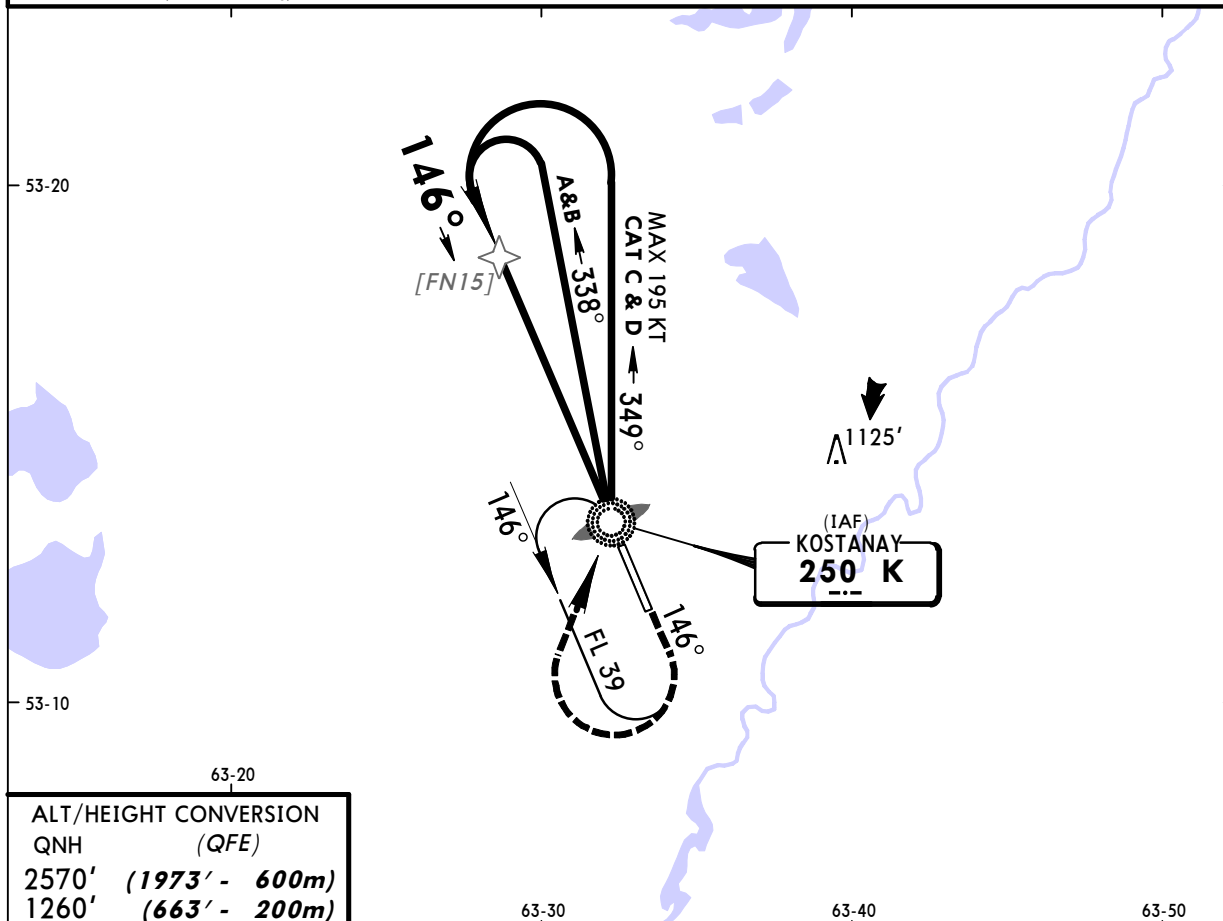
16-2

Eff 18 Nov

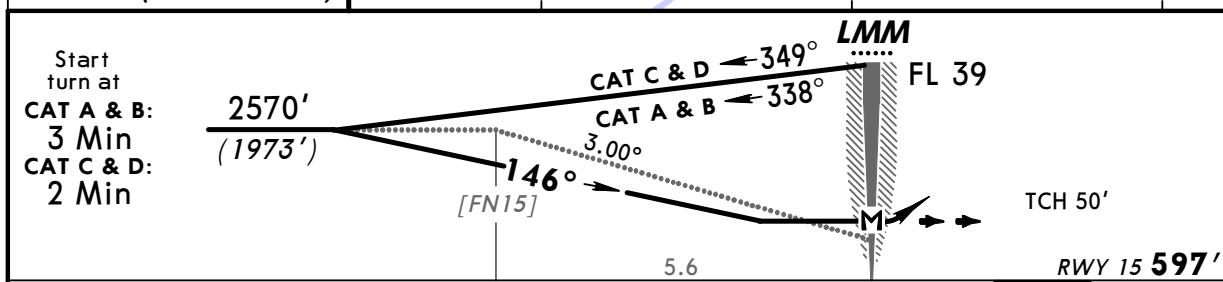
KOSTANAY, KAZAKHSTAN
NDB Rwy 15

BRIEFING STRIP

KOSTANAY Tower 129.3					
NDB K 250	Final Apch Crs 146°	Minimum Alt No FAF	MDA(H) Refer to Minimums	Apt Elev 600' RWY 597'	2700' MSA K NDB
MISSED APCH: Climb on 146° to 1260' (663') or above. After passing NDB maintain 146° for 1 Min 20 Sec, then turn RIGHT to NDB. Climb initially to 2570' (1973'), then as directed. MISSED APCH WITH COMM FAILURE: Climb to FL 39 to NDB and join holding. Missed approach turn limited to MAX 225 KT.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 39	



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2570' (1973' - 600m)	
1260' (663' - 200m)	



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

STRAIGHT-IN LANDING RWY 15			
AB: 1260' (663')			
MDA(H) CD: 1590' (993')			
		ALS out	
A	3000m		
B			
C	5000m		
D			

PANS OPS

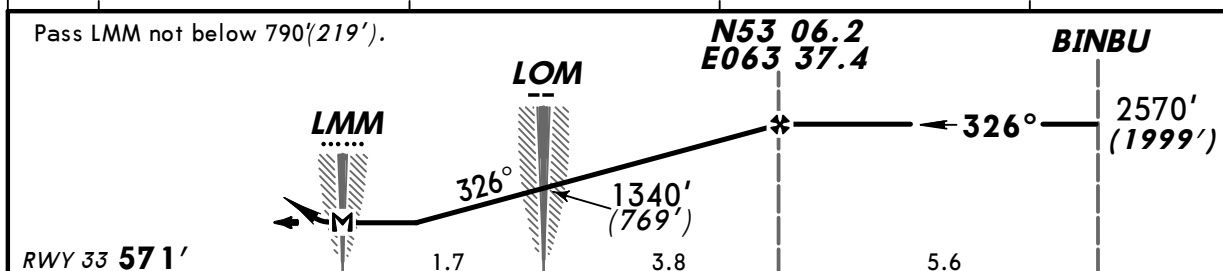
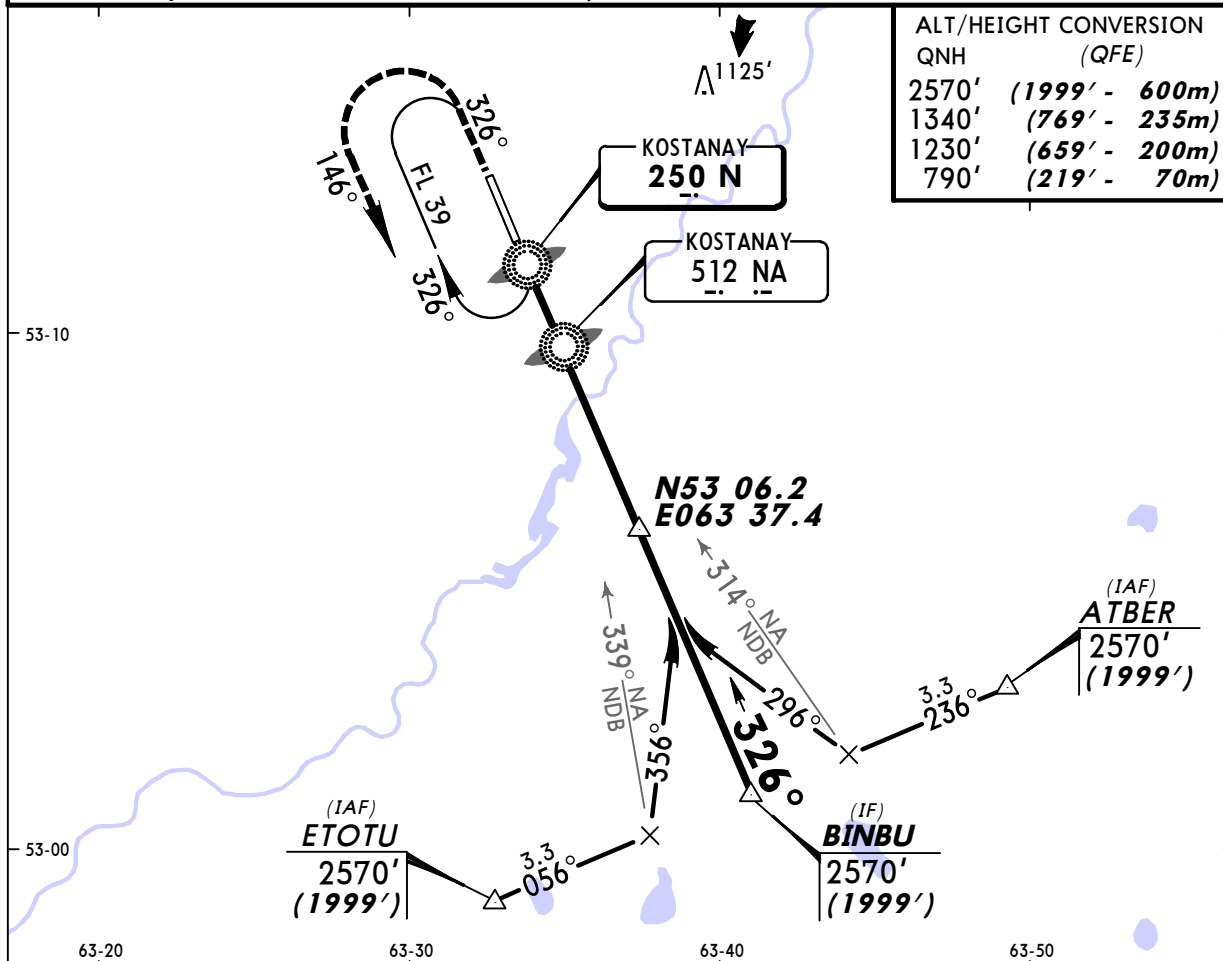
UAUU/KSN
NARIMANOVKA

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

KOSTANAY, KAZAKHSTAN
2 NDB Rwy 33

BRIEFING STRIP

KOSTANAY Tower 129.3					2700' MSA N NDB
NDB N 250	Final Apch Crs 326°	Minimum Alt N53 06.2 E063 37.4 2570' (1999')	MDA(H) 1040' (469')	Apt Elev 600' RWY 571'	
MISSED APCH: Climb on 326° to 1230' (659'), then turn LEFT (MAX 225 KT) onto 146° climbing to 2570' (1999'), then as directed.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 39	Trans alt: 2570' (1999')	
1. RADAR required. 2. Initial and intermediate apch as directed.					



Gnd speed-Kts	70	90	100	120	140	160	ALS 1230' (659') on 326°
Descent Angle 3.00°	372	478	531	637	743	849	
MAP at LMM							

STRAIGHT-IN LANDING RWY 33			
MDA(H) 1040' (469')			
		ALS out	
A	1700m		
B			
C			
D			

PANS OPS

UAUU/KSN
NARIMANOVKA

JEPPESEN
12 NOV 10 (16-4) Ef

KOSTANAY, KAZAKHSTAN
8 Nov **NDB Rwy 33**

KOSTANAY Tower

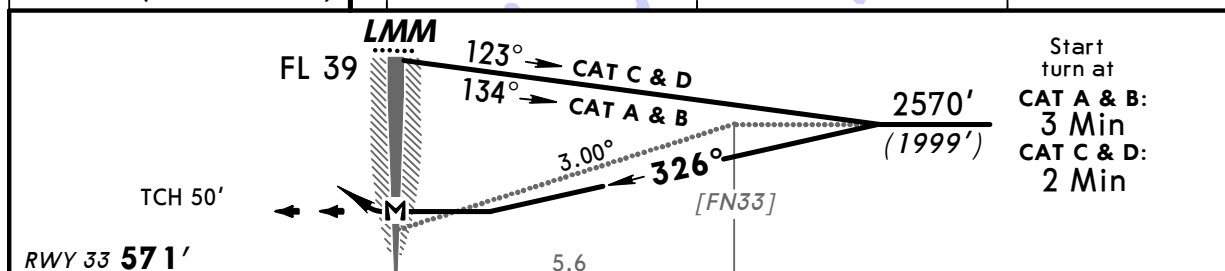
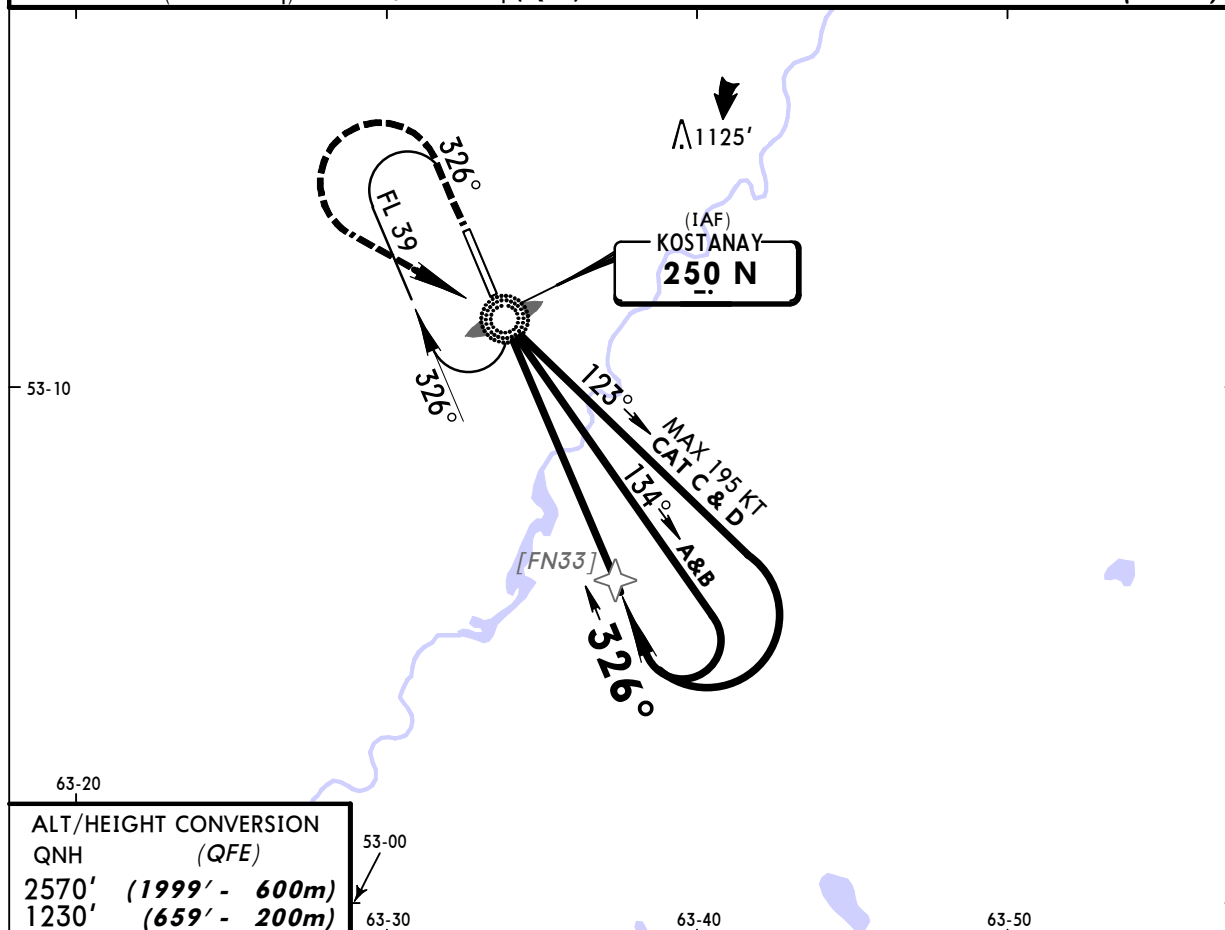
16-4

Eff 18 Nov

129.3

BRIEFING STRIP™

NDB N 250	Final Apch Crs 326°	Minimum Alt No FAF	MDA(H) Refer to Minimums	Apt Elev 600' RWY 571'	 2700' MSA N NDB
MISSED APCH: Climb on 326° to 1230' (659') or above. After passing NDB maintain 326° for 1 Min 20 Sec, then turn LEFT to NDB. Climb initially to 2570' (1999'), then as directed. MISSED APCH WITH COMM FAILURE: Climb to FL 39 to NDB and join holding. Missed approach turn limited to MAX 225 KT.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 39	Trans alt: 2570' (1999')	



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

STRAIGHT-IN LANDING RWY 33

$MDA(H)$ AB: 1230' (659')
CD: 1560' (989')

ALS out

A	3000m		
B			
C	5000m		
D			

PANS OPS

CHANGES: New procedure.

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