

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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Kostanay, (Narimanovka - UAUU)

ADD	ILS Y RWY 15	11-1	12 říj 2010	18 říj 2010
ADD	ILS X RWY 15	11-2	12 říj 2010	18 říj 2010
ADD	ILS Y RWY 33	11-3	12 říj 2010	18 říj 2010
ADD	ILS X RWY 33	11-4	12 říj 2010	18 říj 2010
ADD	2 NDB RWY 15	16-1	12 říj 2010	18 říj 2010
ADD	NDB RWY 15	16-2	12 říj 2010	18 říj 2010
ADD	2 NDB RWY 33	16-3	12 říj 2010	18 říj 2010
ADD	NDB RWY 33	16-4	12 říj 2010	18 říj 2010

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UAUU

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 Info

Kostanay Tower **129.3**

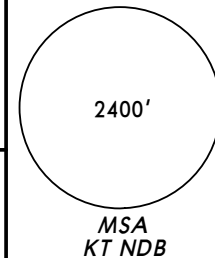
Notebook Info

UAUU/KSN
NARIMANOVKA

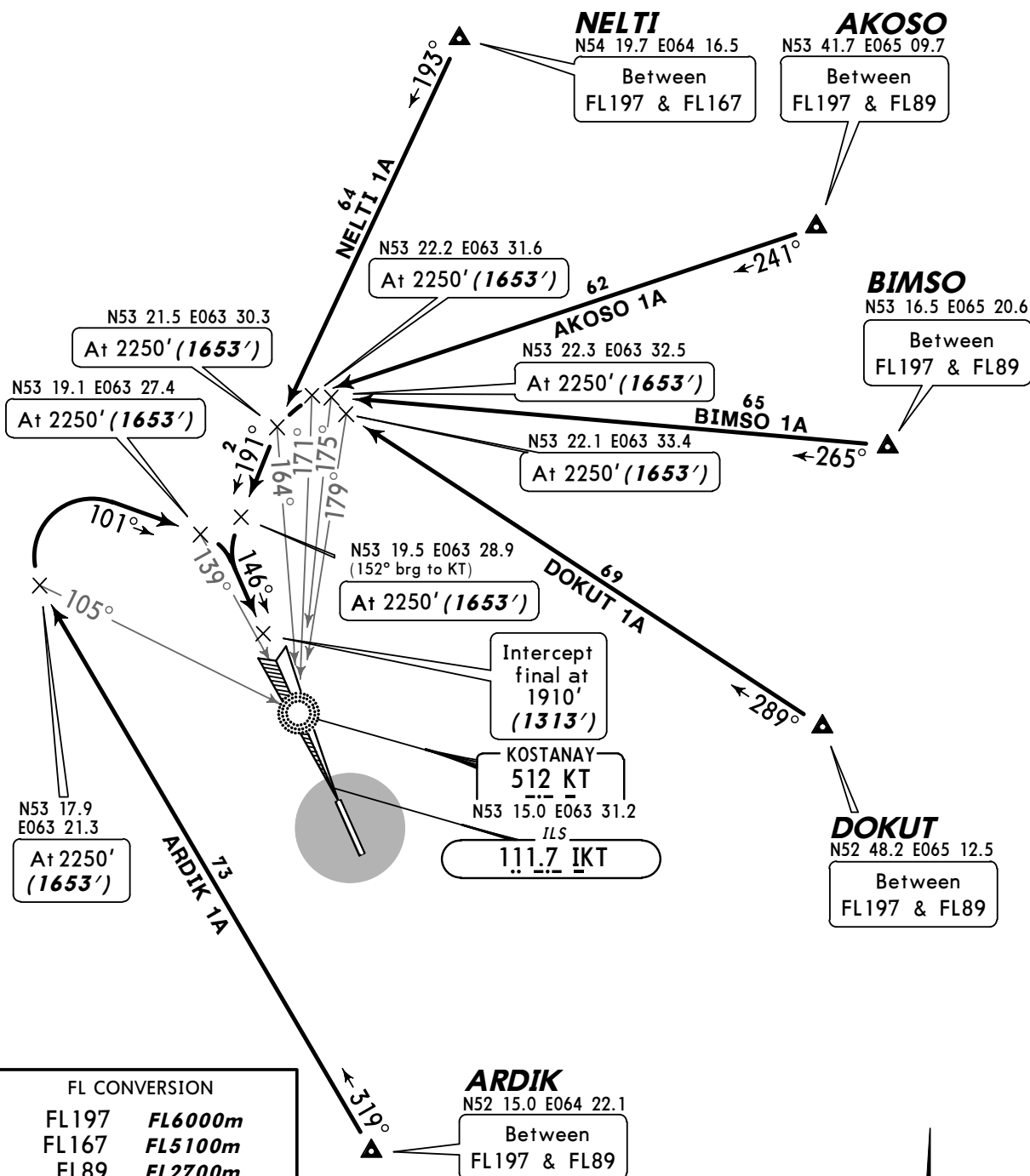
JEPPESEN KOSTANAY, KAZAKHSTAN
 6 NOV 09 **10-2** **Eff 19 Nov** **STAR**

Apt Elev
600'

Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL39 Trans alt: 2250' (1653')
 1. FL by ATC.
 2. When radar control is not provided, proceed to KT, then in accordance with approach pattern.



**AKOSO 1A [AKOS1A], ARDIK 1A [ARDI1A]
 BIMSO 1A [BIMS1A], DOKUT 1A [DOKU1A]
 NELTI 1A [NELT1A]
 RWY 15 ARRIVALS
 FROM NORTH, EAST & SOUTHEAST**

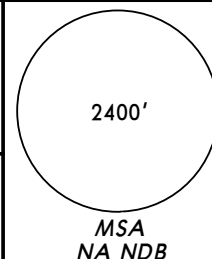


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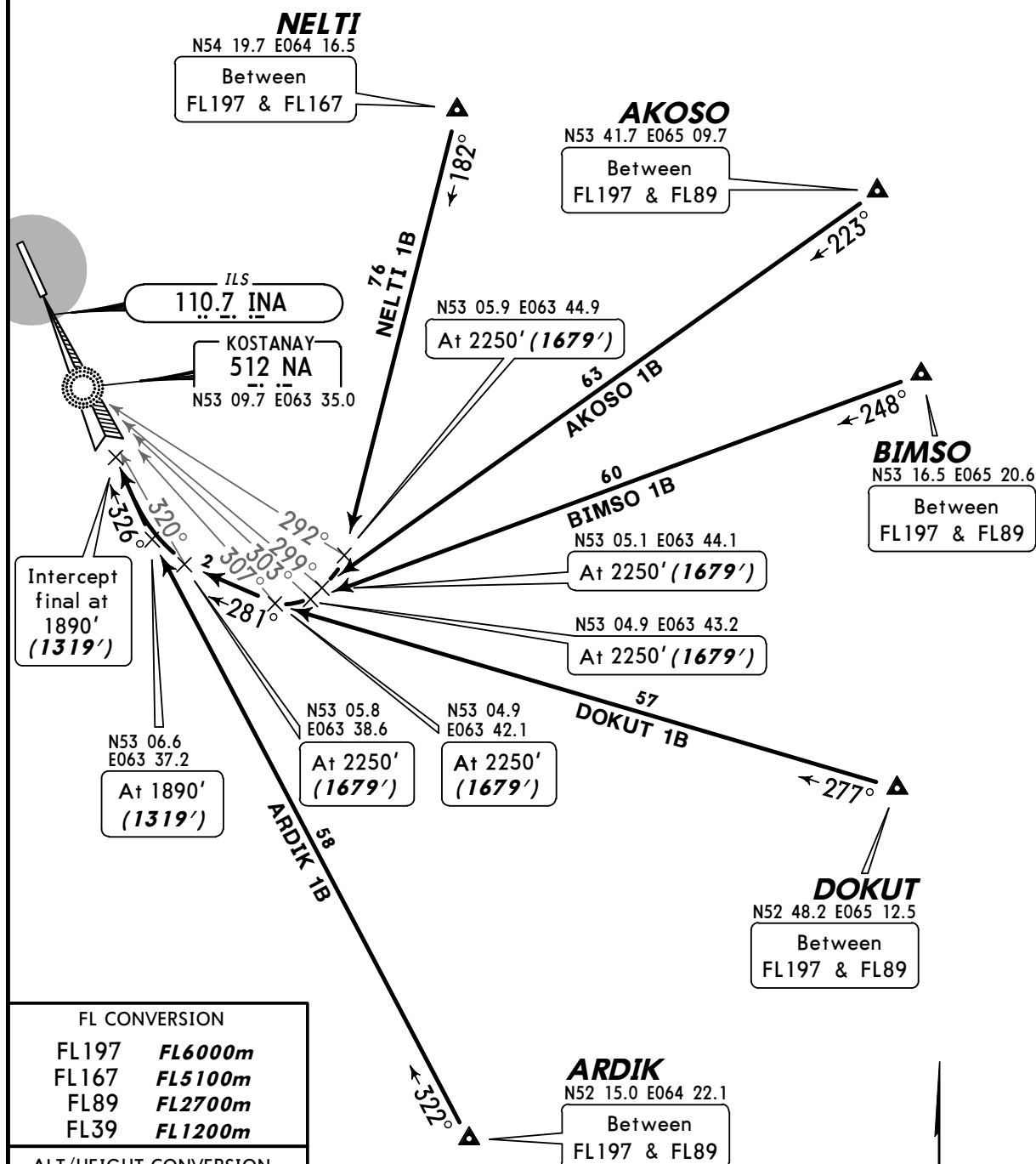
JEPPESEN KOSTANAY, KAZAKHSTAN
6 NOV 09 **(10-2A)** Eff 19 Nov **STAR**

Apt Elev
600'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL39 Trans alt: 2250' (1679')
1. FL by ATC.
2. When radar control is not provided, proceed to NA, then in accordance with approach pattern.



AKOSO 1B [AKOS1B]
ARDIK 1B [ARDI1B]
BIMSO 1B [BIMS1B]
DOKUT 1B [DOKU1B]
NELTI 1B [NELT1B]
RWY 33 ARRIVALS
FROM NORTH, EAST & SOUTHEAST



FL CONVERSION	
FL197	FL6000m
FL167	FL5100m
FL89	FL2700m
FL39	FL1200m

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2250'	(1679' - 500m)
1890'	(1319' - 400m)

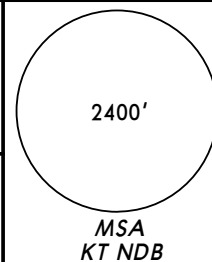


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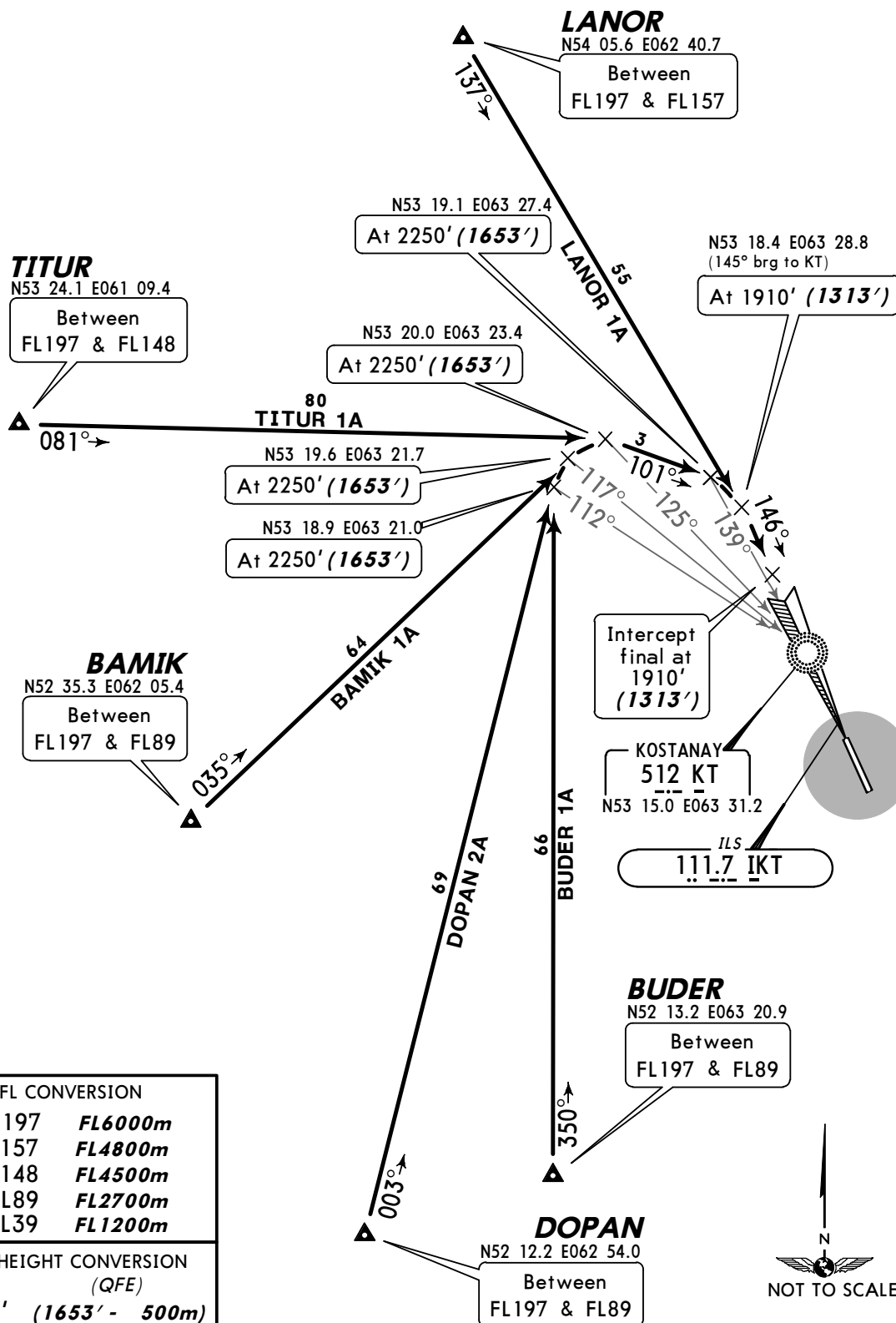
JEPPESEN KOSTANAY, KAZAKHSTAN
6 NOV 09 **10-2B** Eff 19 Nov **STAR**

Apt Elev
600'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL39 Trans alt: 2250' (1653')
1. FL by ATC.
2. When radar control is not provided, proceed to KT, then in accordance with approach pattern.



BAMIK 1A [BAMI1A] , BUDER 1A [BUDE1A]
DOPAN 2A [DOPA2A] , LANOR 1A [LANO1A]
TITUR 1A [TITU1A]
RWY 15 ARRIVALS
FROM SOUTHWEST, WEST & NORTHWEST

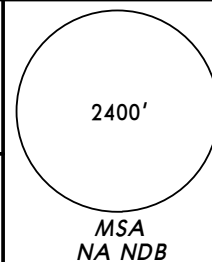


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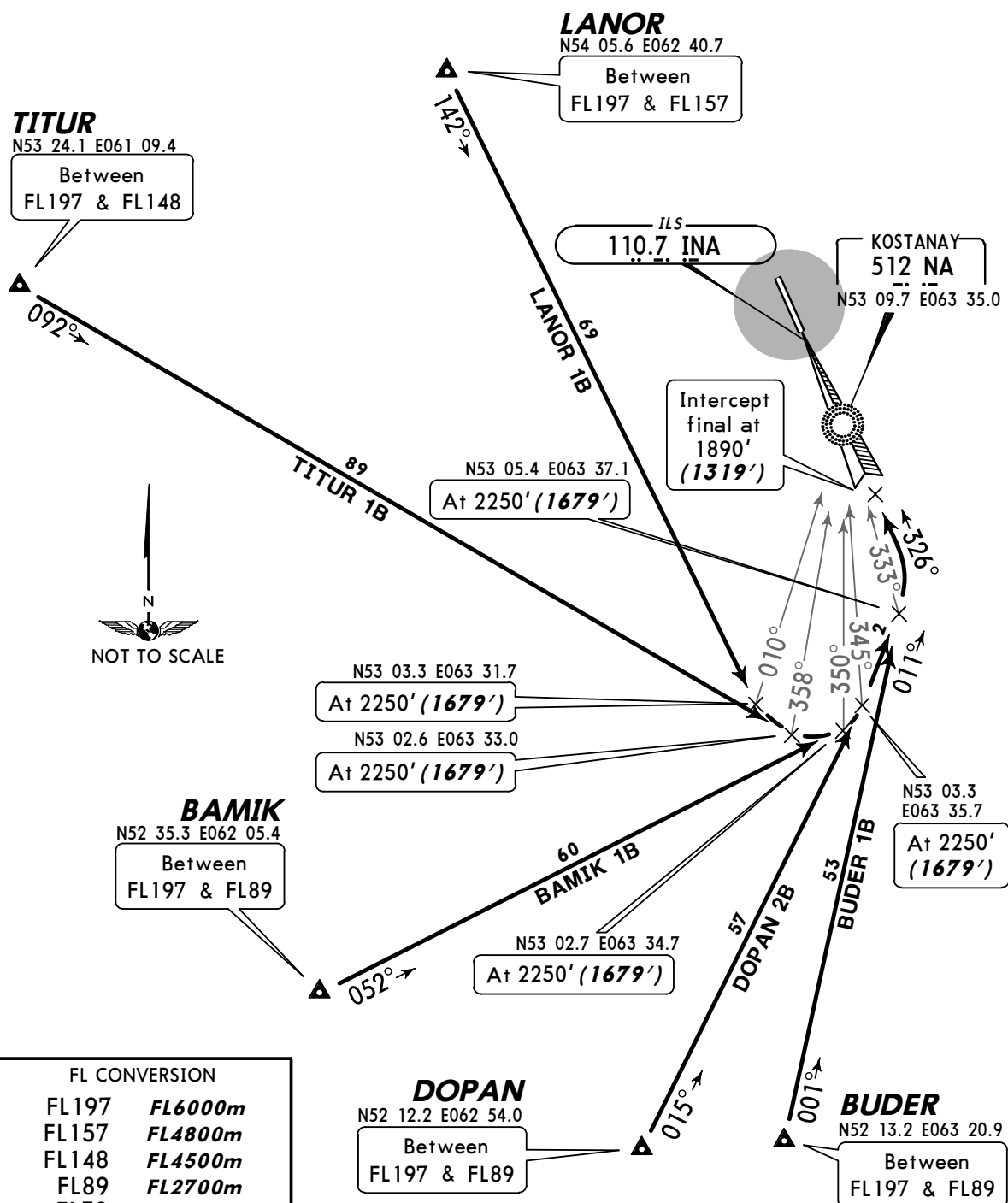
JEPPESEN KOSTANAY, KAZAKHSTAN
6 NOV 09 **(10-2C)** Eff 19 Nov **STAR**

Apt Elev
600'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL39 Trans alt: 2250' (1679')
1. FL by ATC.
2. When radar control is not provided, proceed to NA, then in accordance with approach pattern.



BAMIK 1B [BAMI1B] , BUDER 1B [BUDE1B]
DOPAN 2B [DOPA2B] , LANOR 1B [LANO1B]
TITUR 1B [TITU1B]
RWY 33 ARRIVALS
FROM SOUTHWEST, WEST & NORTHWEST



FL CONVERSION

FL197	FL6000m
FL157	FL4800m
FL148	FL4500m
FL89	FL2700m
FL39	FL1200m

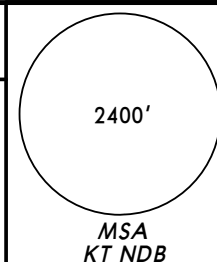
ALT/HEIGHT CONVERSION

QNH	(QFE)
2250'	(1679' - 500m)
1890'	(1319' - 400m)

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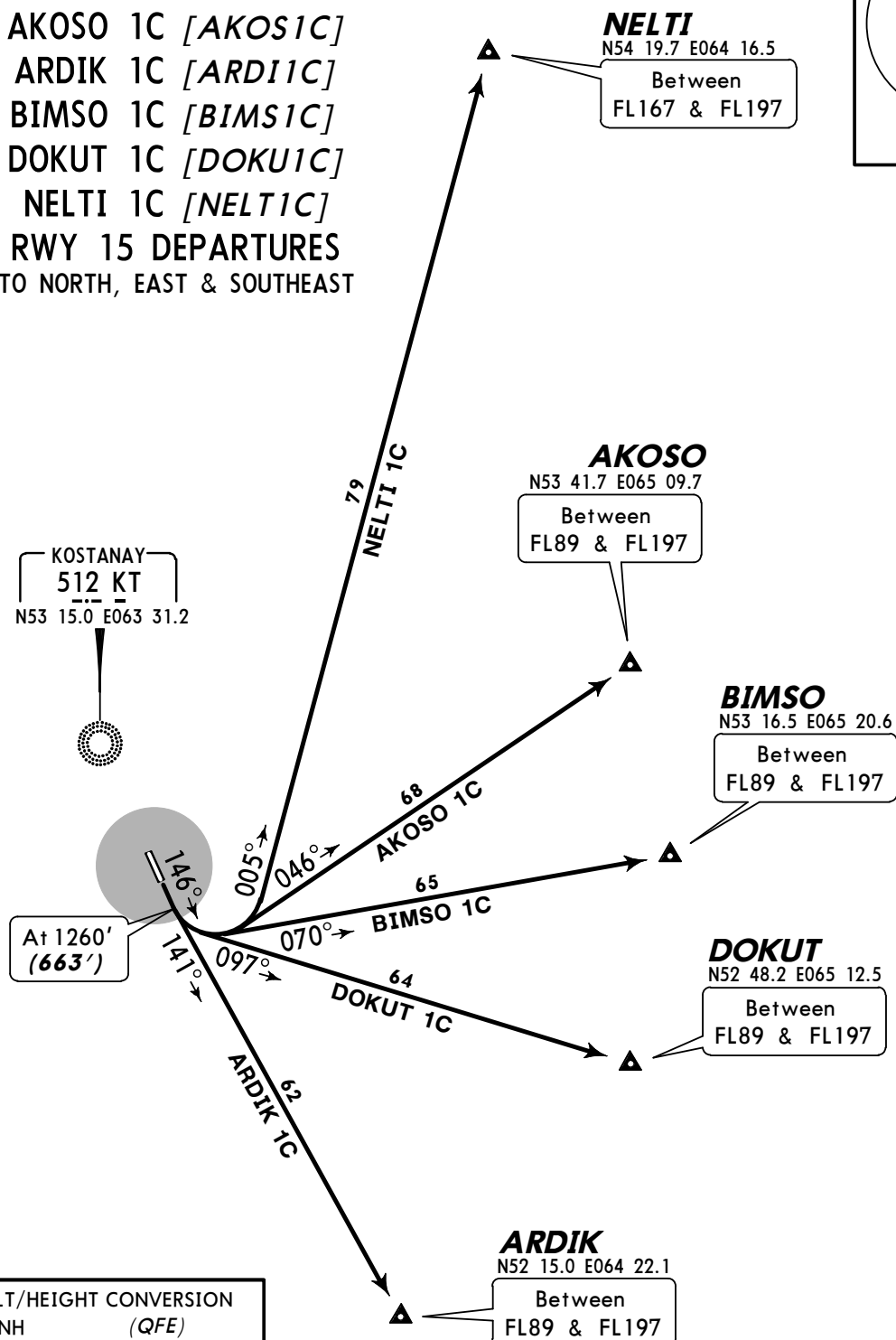
JEPPESEN KOSTANAY, KAZAKHSTAN
6 NOV 09 **10-3** **Eff 19 Nov** **SID**

Apt Elev
600' QNH on request **(QFE)**
Trans level: FL39 Trans alt: 2250' **(1653')** FL by ATC.



AKOSO 1C [AKOS1C]
ARDIK 1C [ARDI1C]
BIMSO 1C [BIMS1C]
DOKUT 1C [DOKU1C]
NELTI 1C [NELT1C]
RWY 15 DEPARTURES
TO NORTH, EAST & SOUTHEAST

KOSTANAY
512 KT
N53 15.0 E063 31.2



ALT/HEIGHT CONVERSION
QNH **(QFE)**
1260' **(663' - 200m)**
2250' **(1653' - 500m)**

FL CONVERSION
FL39 **FL1200m**
FL89 **FL2700m**
FL167 **FL5100m**
FL197 **FL6000m**

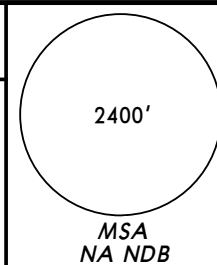


SID	ROUTING
AKOSO 1C	Climb to 1260' (663') , turn LEFT, 046° track to AKOSO.
ARDIK 1C	Climb to 1260' (663') , turn LEFT, 141° track to ARDIK.
BIMSO 1C	Climb to 1260' (663') , turn LEFT, 070° track to BIMSO.
DOKUT 1C	Climb to 1260' (663') , turn LEFT, 097° track to DOKUT.
NELTI 1C	Climb to 1260' (663') , turn LEFT, 005° track to NELTI.

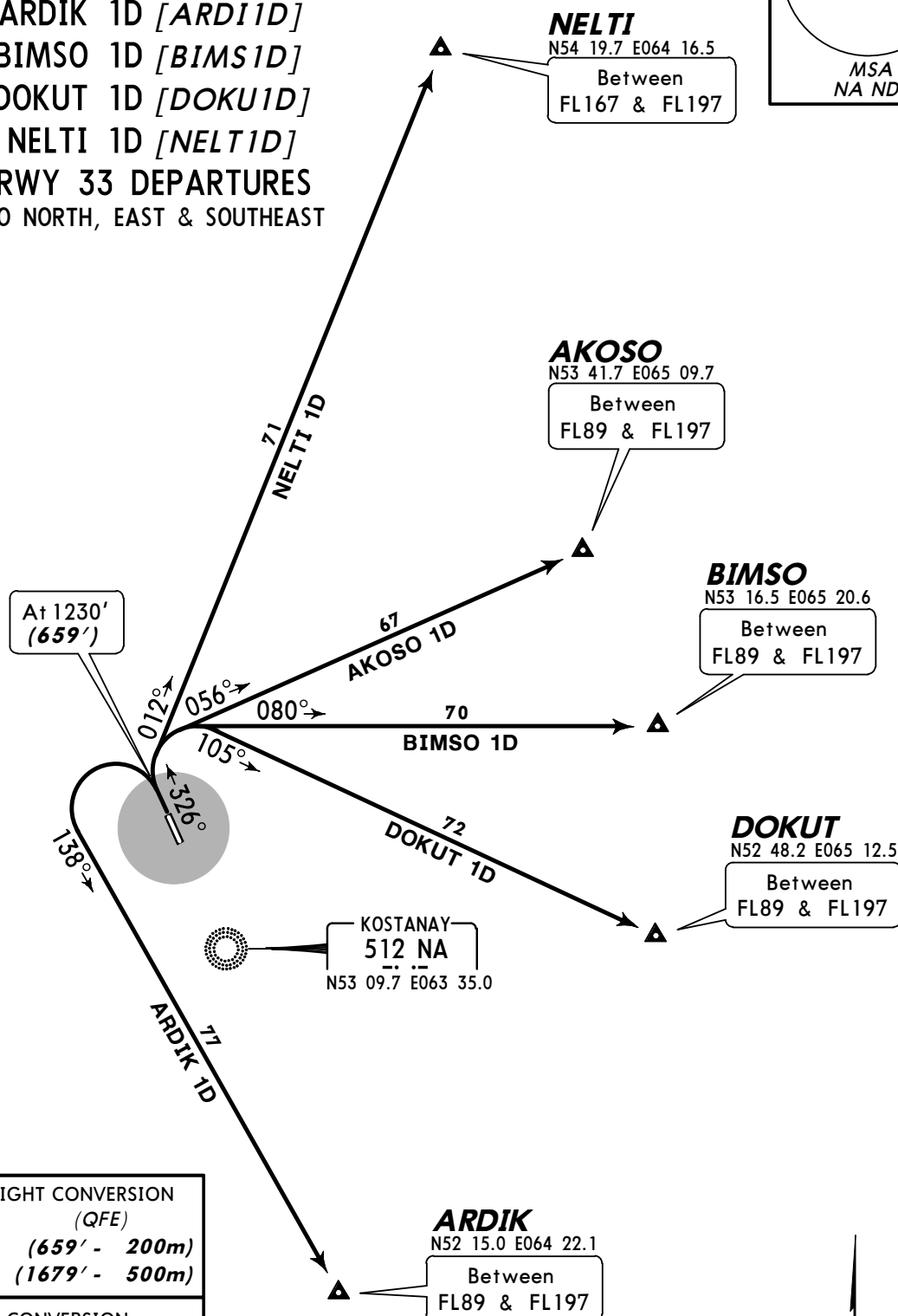
UAUU/KSN
NARIMANOVKA

JEPPESEN KOSTANAY, KAZAKHSTAN
6 NOV 09 **(10-3A)** **Eff 19 Nov** **SID**

Apt Elev
600' QNH on request **(QFE)**
Trans level: FL39 Trans alt: 2250' **(1679')** FL by ATC.



AKOSO 1D [AKOS1D]
ARDIK 1D [ARDI1D]
BIMSO 1D [BIMS1D]
DOKUT 1D [DOKU1D]
NELTI 1D [NELT1D]
RWY 33 DEPARTURES
TO NORTH, EAST & SOUTHEAST



ALT/HEIGHT CONVERSION
QNH **(QFE)**
1230' **(659' - 200m)**
2250' **(1679' - 500m)**

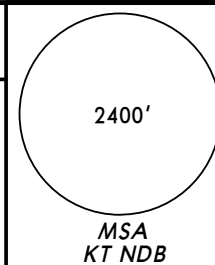
FL CONVERSION
FL39 **FL1200m**
FL89 **FL2700m**
FL167 **FL5100m**
FL197 **FL6000m**

SID	ROUTING
AKOSO 1D	Climb to 1230' (659') , turn RIGHT, 056° track to AKOSO.
ARDIK 1D	Climb to 1230' (659') , turn LEFT, 138° track to ARDIK.
BIMSO 1D	Climb to 1230' (659') , turn RIGHT, 080° track to BIMSO.
DOKUT 1D	Climb to 1230' (659') , turn RIGHT, 105° track to DOKUT.
NELTI 1D	Climb to 1230' (659') , turn RIGHT, 012° track to NELTI.

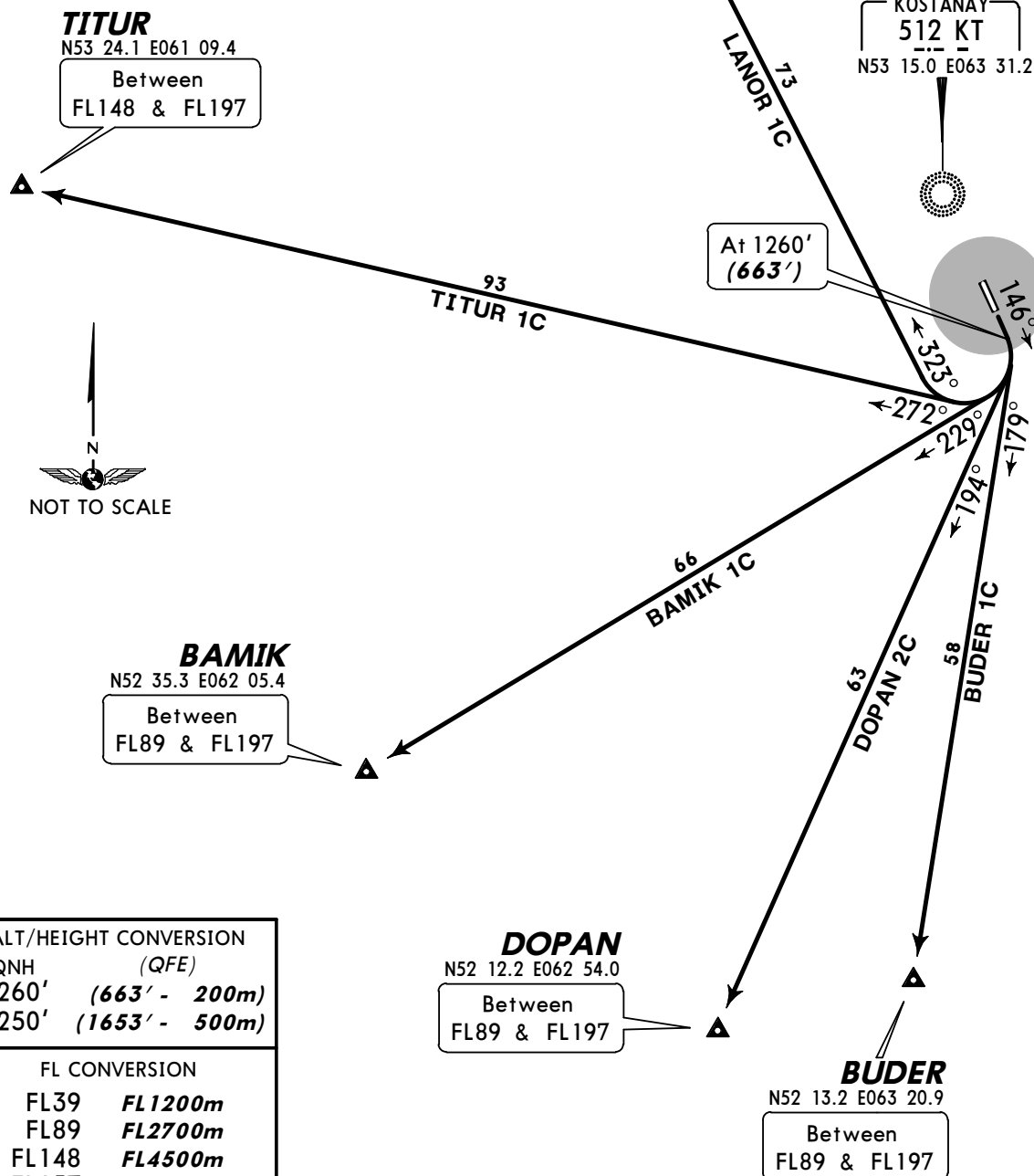
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JEPPESEN KOSTANAY, KAZAKHSTAN
 6 NOV 09 **(10-3B)** **Eff 19 Nov** **SID**

Apt Elev
600' QNH on request **(QFE)**
 Trans level: FL39 Trans alt: 2250' **(1653')** FL by ATC.



BAMIK 1C [BAMI1C]
BUDER 1C [BUDE1C]
DOPAN 2C [DOPA2C]
LANOR 1C [LANO1C]
TITUR 1C [TITU1C]
RWY 15 DEPARTURES
TO SOUTHWEST, WEST & NORTHWEST



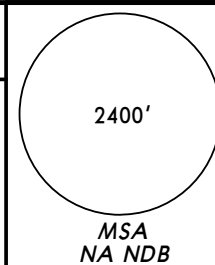
ALT/HEIGHT CONVERSION	
QNH	(QFE)
1260'	(663' - 200m)
2250'	(1653' - 500m)
FL CONVERSION	
FL39	FL1200m
FL89	FL2700m
FL148	FL4500m
FL157	FL4800m
FL197	FL6000m

SID	ROUTING
BAMIK 1C	Climb to 1260' (663'), turn RIGHT, 229° track to BAMIK.
BUDER 1C	Climb to 1260' (663'), turn RIGHT, 179° track to BUDER.
DOPAN 2C	Climb to 1260' (663'), turn RIGHT, 194° track to DOPAN.
LANOR 1C	Climb to 1260' (663'), turn RIGHT, 323° track to LANOR.
TITUR 1C	Climb to 1260' (663'), turn RIGHT, 272° track to TITUR.

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JEPPESEN KOSTANAY, KAZAKHSTAN
6 NOV 09 **(10-3C)** **Eff 19 Nov** **SID**

Apt Elev
600' QNH on request **(QFE)**
Trans level: FL39 Trans alt: 2250' **(1679')** FL by ATC.



BAMIK 1D [BAMI1D]
BUDER 1D [BUDE1D]
DOPAN 2D [DOPA2D]
LANOR 1D [LANO1D]
TITUR 1D [TITU1D]
RWY 33 DEPARTURES
TO SOUTHWEST, WEST & NORTHWEST

TITUR

N53 24.1 E061 09.4

Between
FL148 & FL197

TITUR 1D
86



BAMIK

N52 35.3 E062 05.4

Between
FL89 & FL197

LANOR

N54 05.6 E062 40.7

Between
FL157 & FL197

LANOR 1D
59

At 1230'
(659')



KOSTANAY
512 NA
N53 09.7 E063 35.0

ALT/HEIGHT CONVERSION

QNH (QFE)
1230' (659' - 200m)
2250' (1679' - 500m)

FL CONVERSION

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

DOPAN

N52 12.2 E062 54.0

Between
FL89 & FL197

DOPAN 2D
72

BUDER 1D
69

BUDER

N52 13.2 E063 20.9

Between
FL89 & FL197

SID	ROUTING
BAMIK 1D	Climb to 1230' (659'), turn LEFT, 218° track to BAMIK.
BUDER 1D	Climb to 1230' (659'), turn LEFT, 172° track to BUDER.
DOPAN 2D	Climb to 1230' (659'), turn LEFT, 185° track to DOPAN.
LANOR 1D	Climb to 1230' (659'), turn LEFT, 318° track to LANOR.
TITUR 1D	Climb to 1230' (659'), turn LEFT, 264° track to TITUR.

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

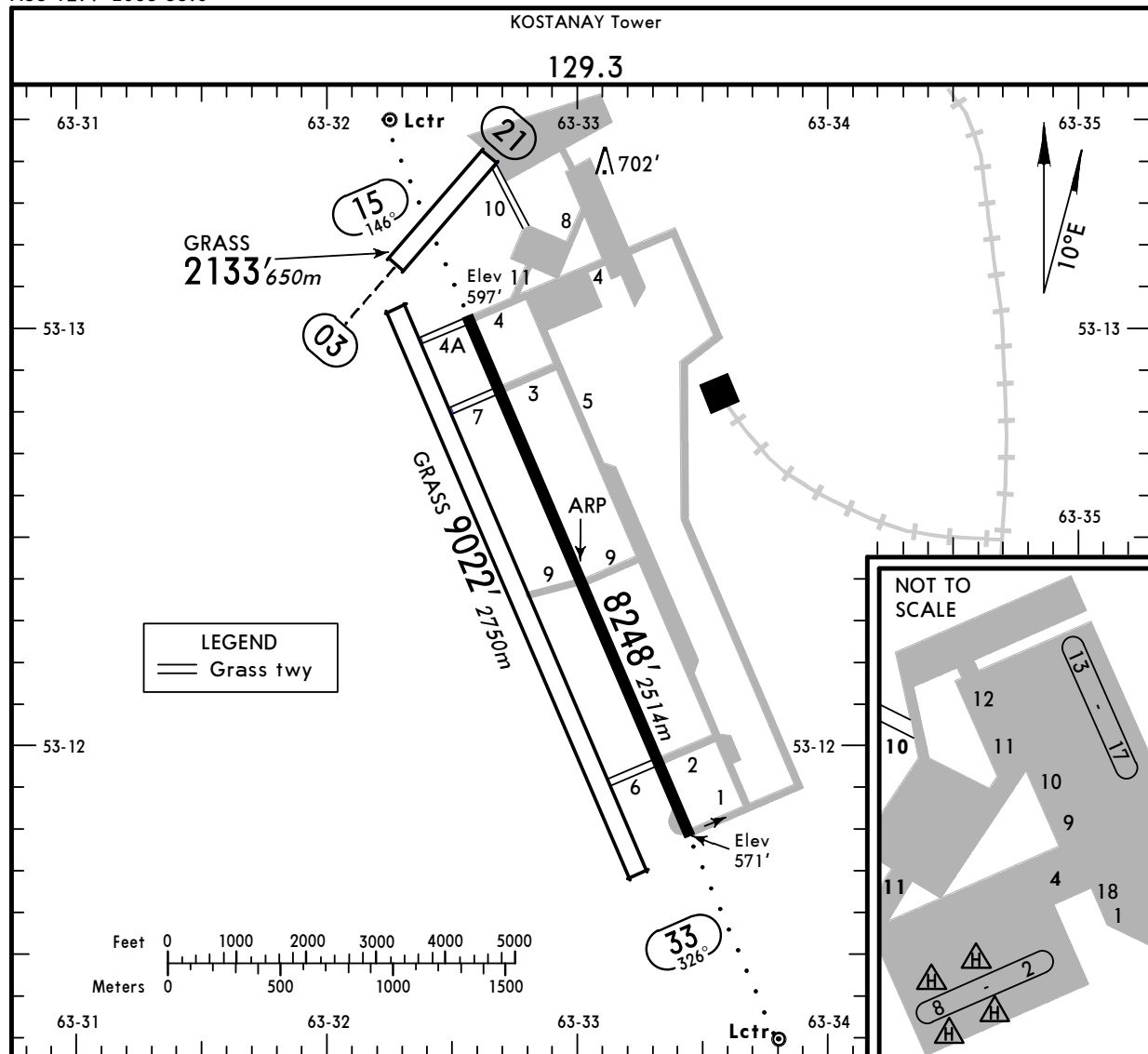
JEPPESEN KOSTANAY, KAZAKHSTAN

16 JUL 10

(10-9)

Eff 29 Jul

NARIMANOVKA



ADDITIONAL RUNWAY INFORMATION

RWY				USABLE LENGTHS		TAKE-OFF	WIDTH
				Threshold	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.

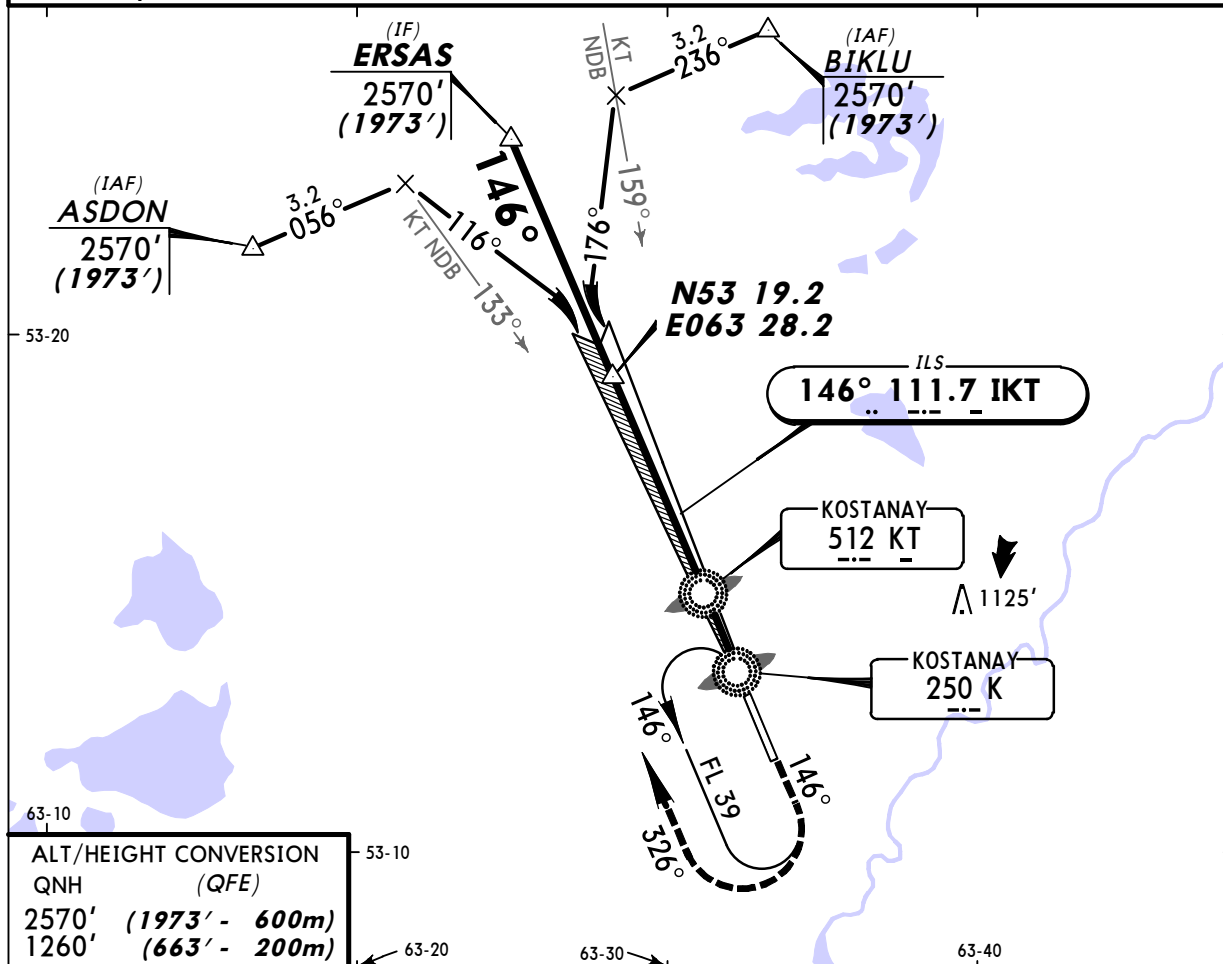
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JEPPESSEN
12 NOV 10 **(11-1)** **Eff 18 Nov**

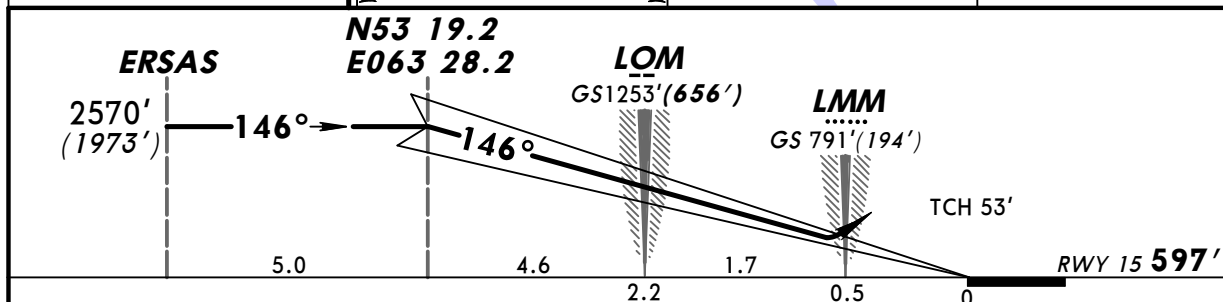
KOSTANAY, KAZAKHSTAN
ILS Y Rwy 15

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	
RADAR required.					
					Trans alt: 2570' (1973')



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



Gnd speed-Kts	70	90	100	120	140	160	ALS	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

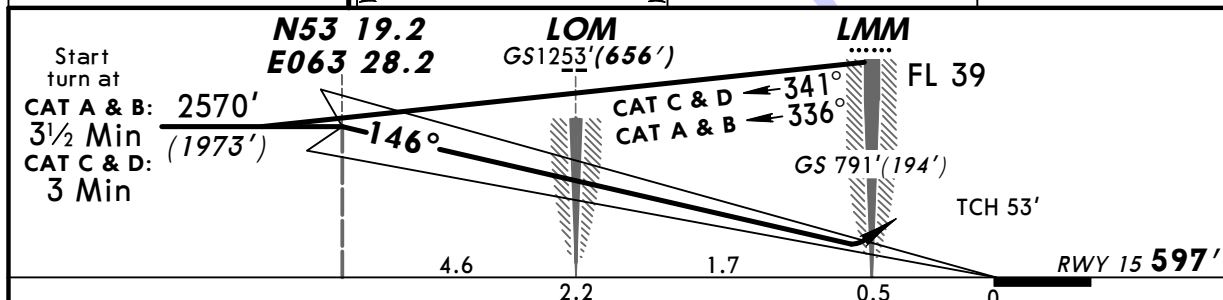
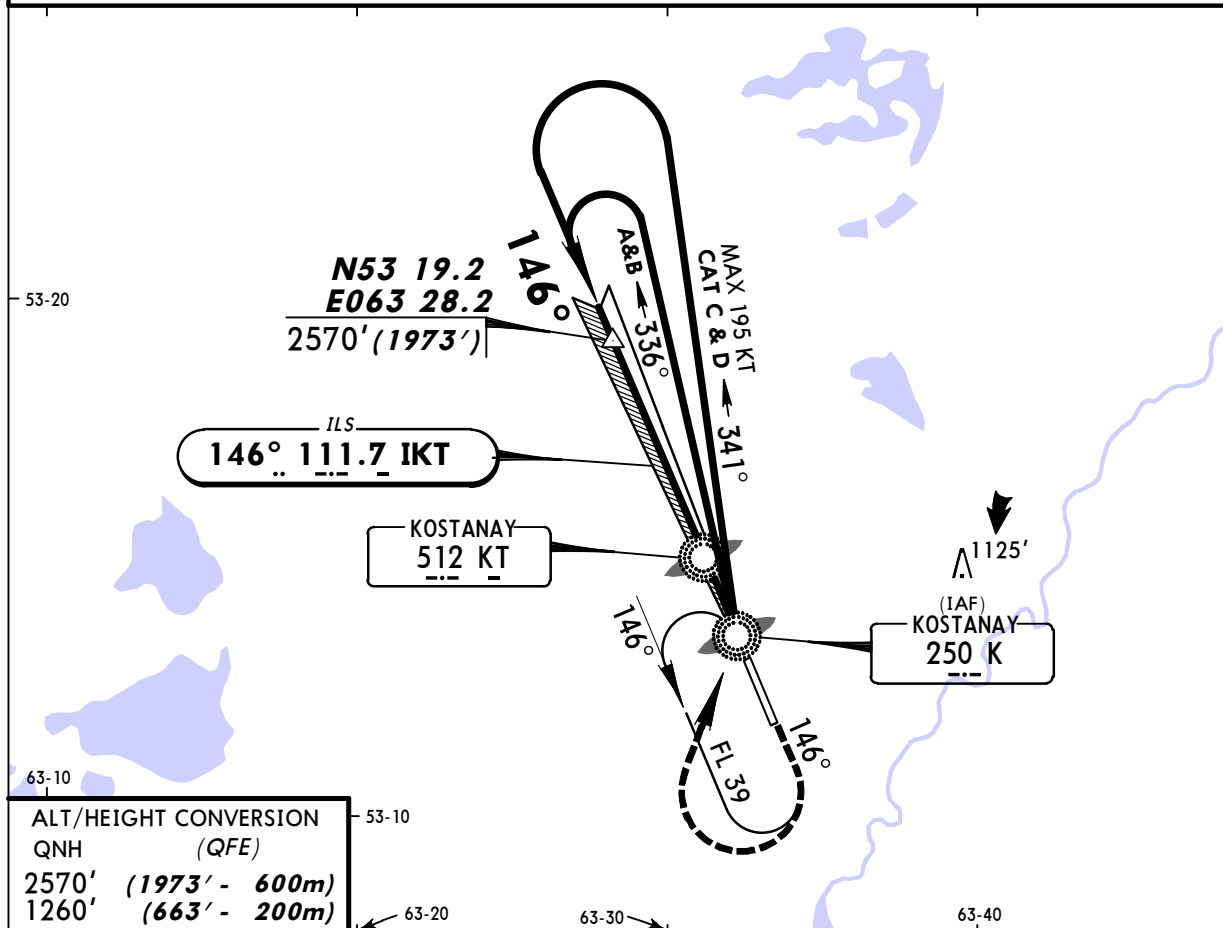
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JEPPesen
12 NOV 10 **(11-2)** **Eff 18 Nov**

KOSTANAY, KAZAKHSTAN
ILS X Rwy 15

BRIEFING STRIP

KOSTANAY Tower 129.3					
LOC IKT 111.7	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')



Gnd speed-Kts	70	90	100	120	140	160		ALS ⬇ ⋮<
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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

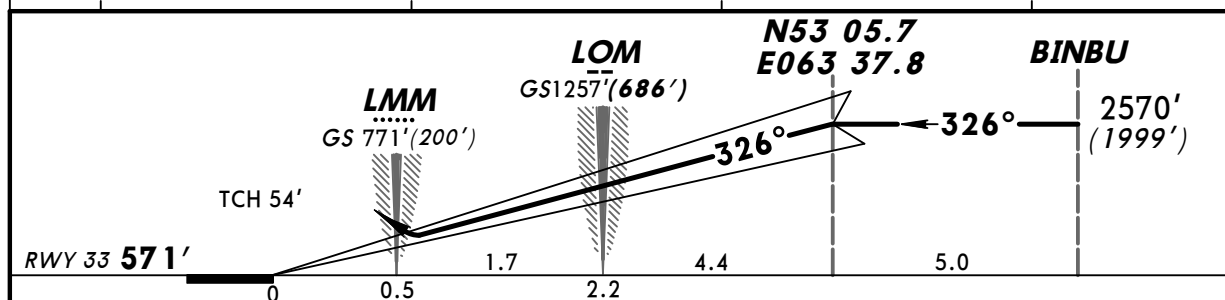
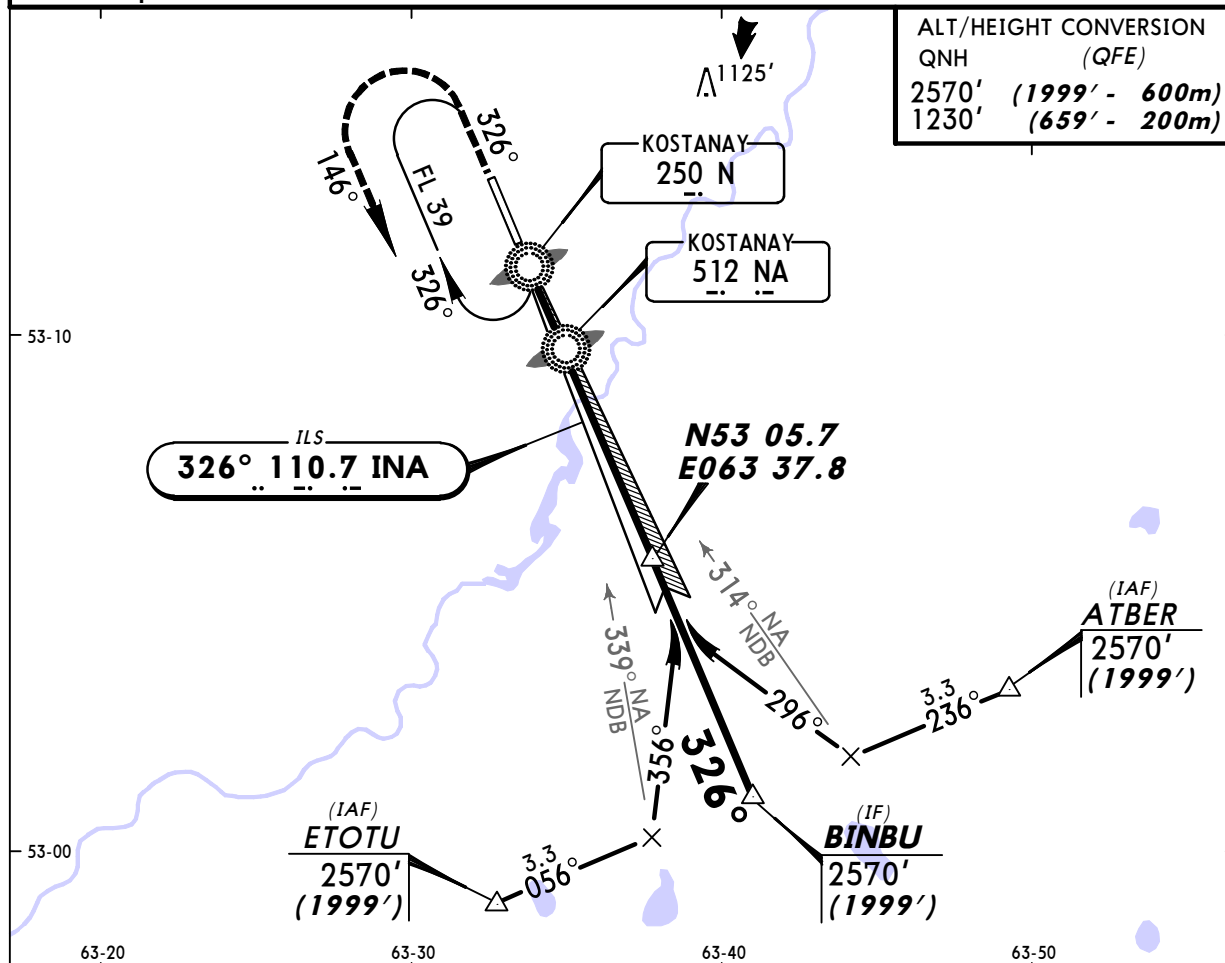
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JEPPESEN KOS
12 NOV 10 (11-3) Eff 18 Nov

KOSTANAY, KAZAKHSTAN
8 Nov ILS Y 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'	
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')	
RADAR required.					



<i>Gnd speed-Kts</i>	70	90	100	120	140	160	ALS  1230' (659') on 326°
<i>Gs</i> 2.67°	336	432	480	576	671	767	

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

PANS OPS

CHANGES: Procedure.

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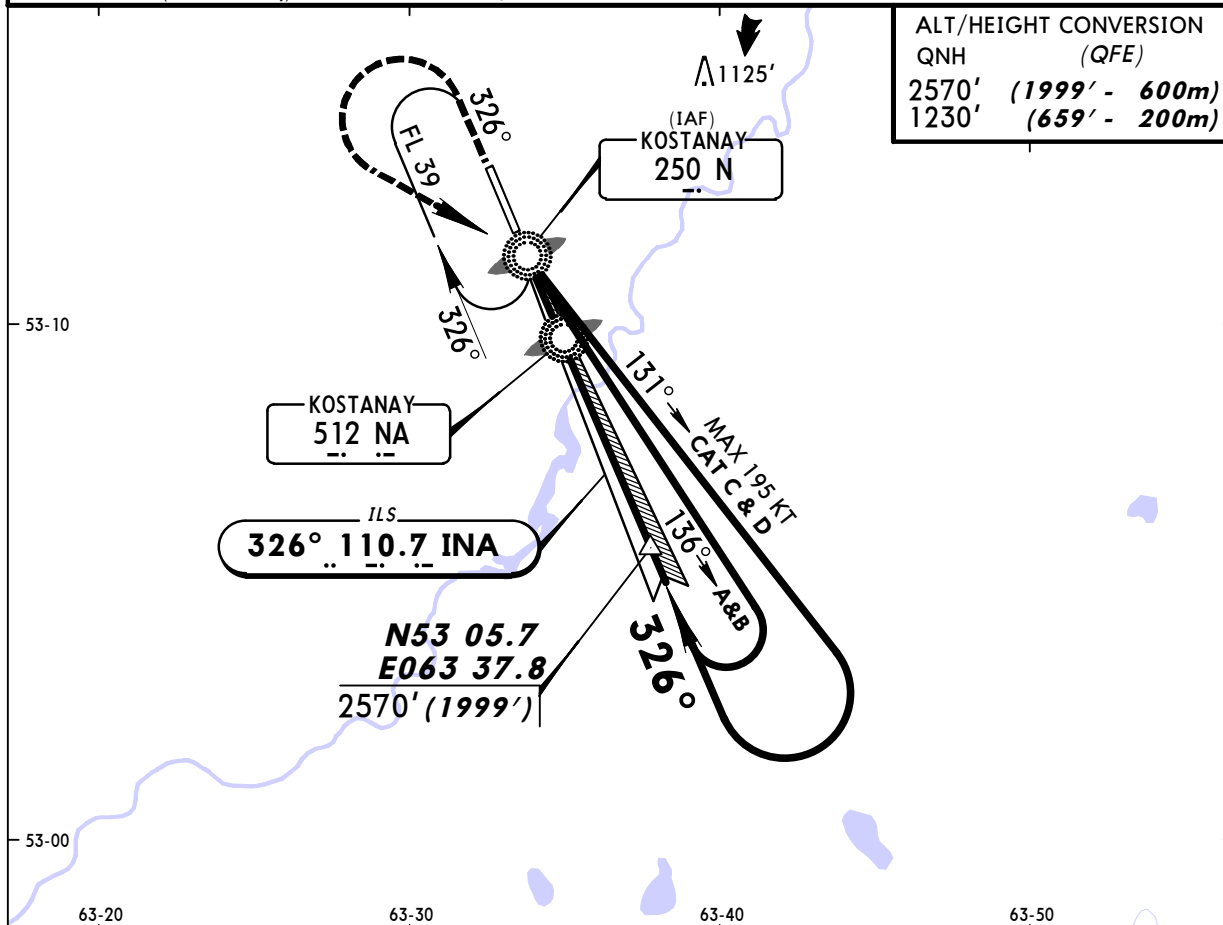
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JEPPESSEN
12 NOV 10 **11-4** **Eff 18 Nov**

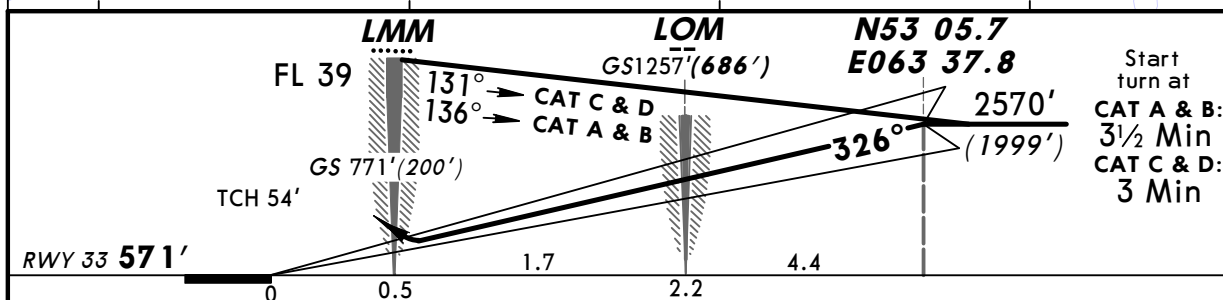
KOSTANAY, KAZAKHSTAN
ILS X Rwy 33

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

PANS OPS

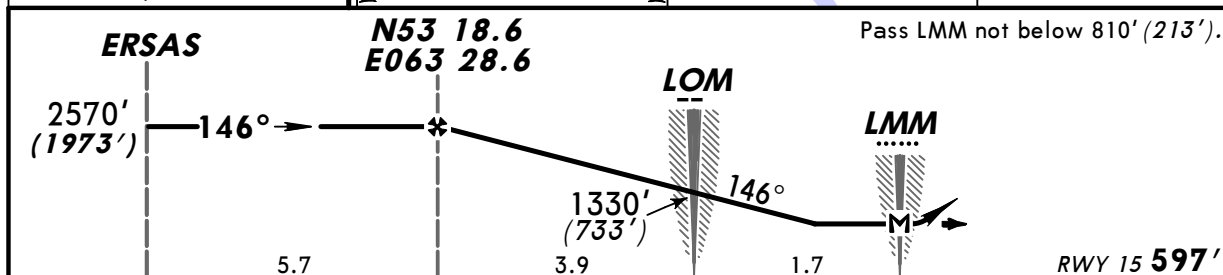
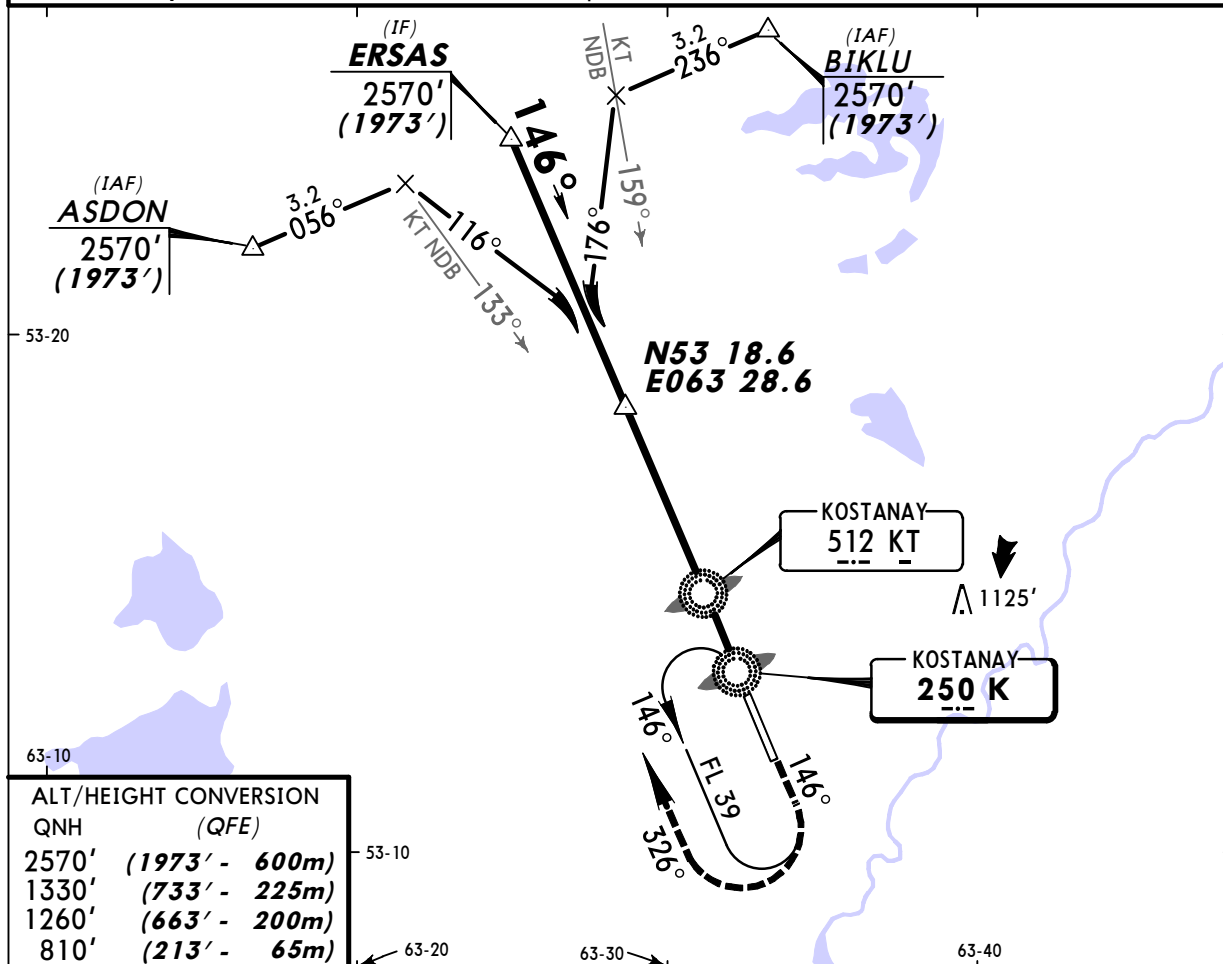
UAUU/KSN
NARIMANOVKA

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

KOSTANAY, KAZAKHSTAN
2 NDB Rwy 15

BRIEFING STRIP

KOSTANAY Tower 129.3					2700' MSA K NDB
NDB K 250	Final Apch Crs 146°	Minimum Alt N53 18.6 E063 28.6 2570' (1973')	MDA(H) 980' (383')	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')	
1. RADAR required. 2. Initial and intermediate apch as directed.					



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

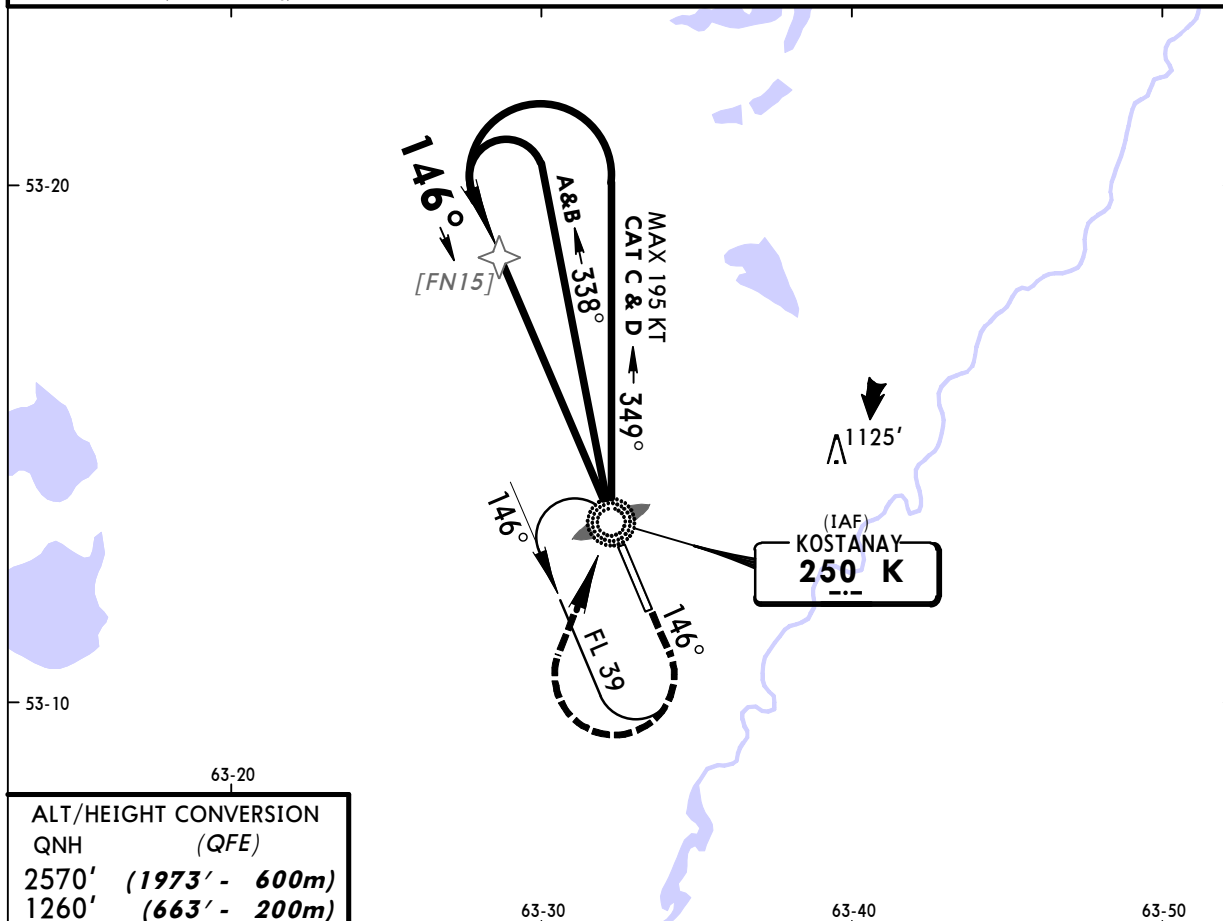
16-2

Eff 18 Nov

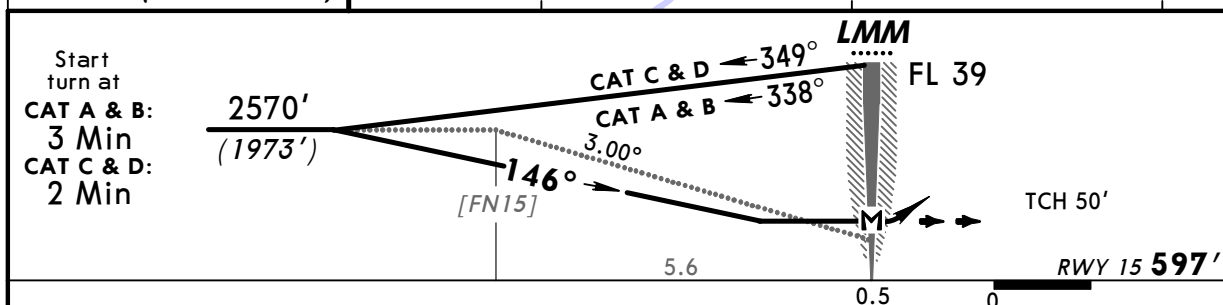
KOSTANAY, KAZAKHSTAN
NDB Rwy 15

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 Trans alt: 2570' (1973')					



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

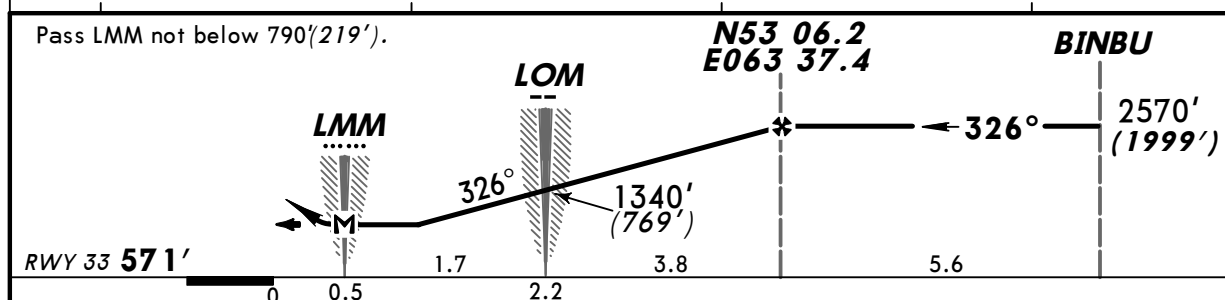
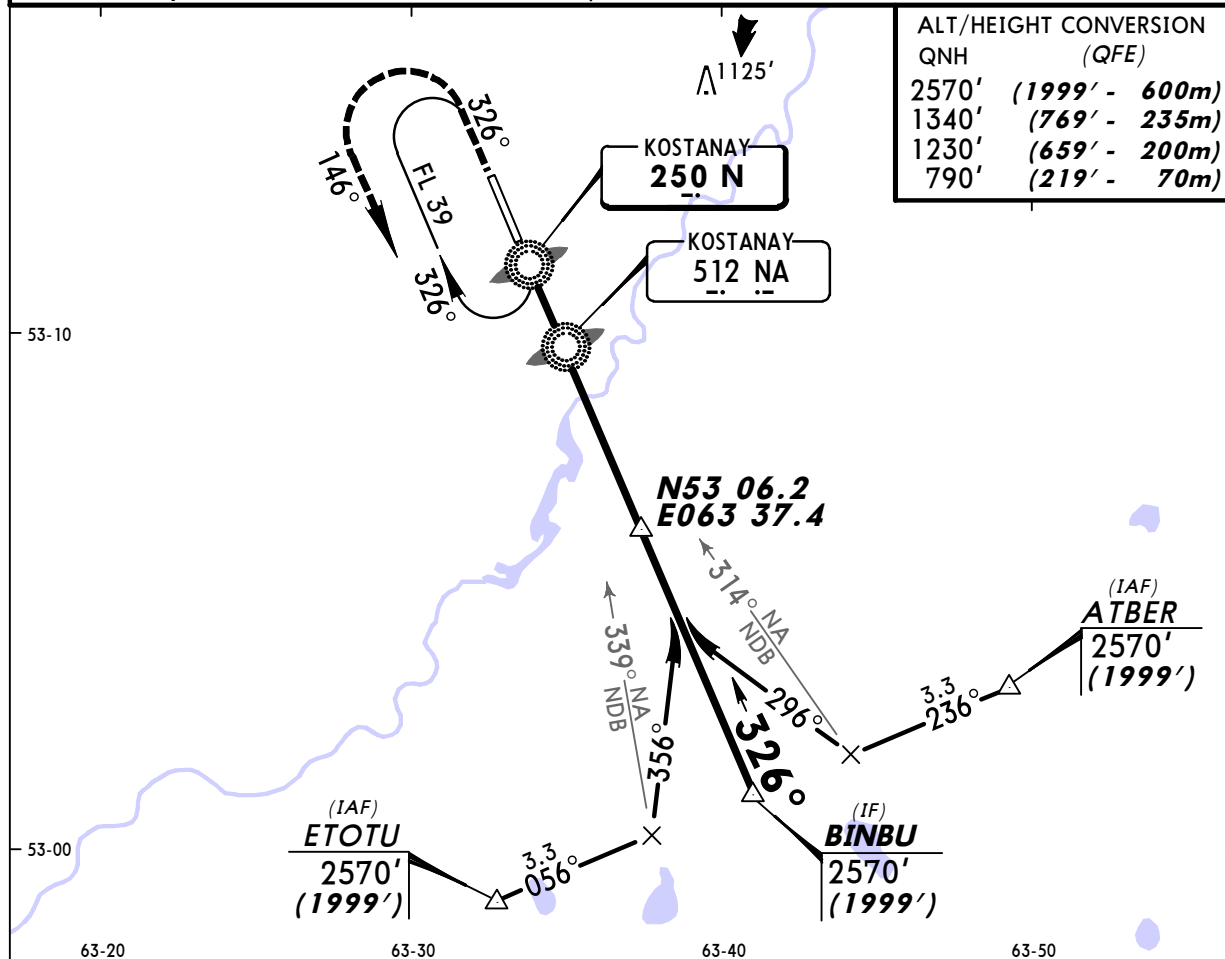
UAUU/KSN
NARIMANOVKA

JEPPESEN
12 NOV 10 (16-3) Ef

KOSTANAY, KAZAKHSTAN
8 Nov 2 NDB Rwy 33

BRIEFING STRIP™

KOSTANAY Tower 129.3					
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	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

PANS OPS

A
B
C
D

1700m

CHANGES: New procedure.

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12 NOV 10

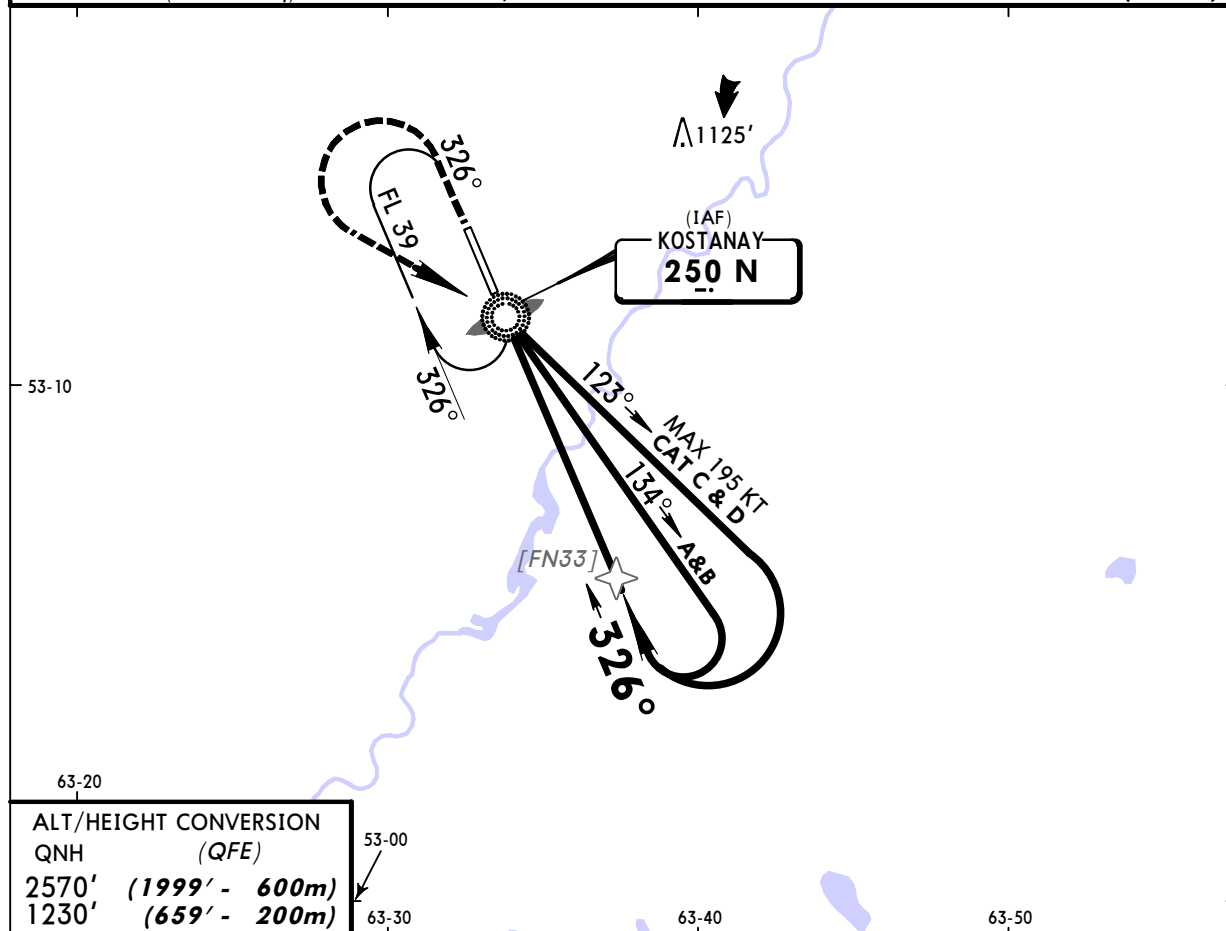
JEPPesen

16-4 **Eff 18 Nov**

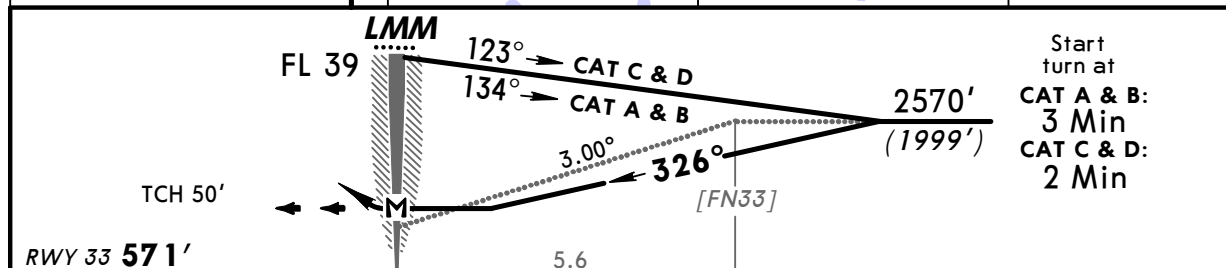
KOSTANAY, KAZAKHSTAN
NDB Rwy 33

BRIEFING STRIP

KOSTANAY Tower 129.3					
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	



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
Descent Angle 3.00°	372	478	531	637	743	849		
MAP at LMM								

STRAIGHT-IN LANDING RWY 33		
AB: 1230' (659')		
MDA(H) CD: 1560' (989')		
		ALS out
A	3000m	
B		
C	5000m	
D		

PANS OPS