Page 1
Changed chart(s) since Disc 16-2010
ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
Karaganda, (Karaganda - UAKK)				
ADD	STANDARD MNMS	10-9S	13 авг 2010	

TERMINAL CHART NOTAMs

Chart NOTAMs for Airport UAKK

Type: Terminal
Effectivity: Temporary
Begin Date: Immediately
End Date: Until Further Notice

LDA/GS rwy 23 changed to 10724' (3269m).

General Info

Karaganda, KAZ
N 49° 40.3' E 73° 20.2' Mag Var: 8.4°E
Elevation: 1765'

Public, IFR, Control Tower, Customs
Fuel: Jet, Jet A-1
Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+6:00 no DST

Runway Info

Runway 05-23 11818' x 197' concrete

Runway 05 (50.0°M) TDZE 1765'
  Lights: Edge, ALS
Runway 23 (230.0°M) TDZE 1752'
  Lights: Edge, ALS

Communications Info

Karaganda Tower **118.3**
Karaganda Taxing Ground Control **118.3** MF
Karaganda Approach Control **122.0**

Notebook Info

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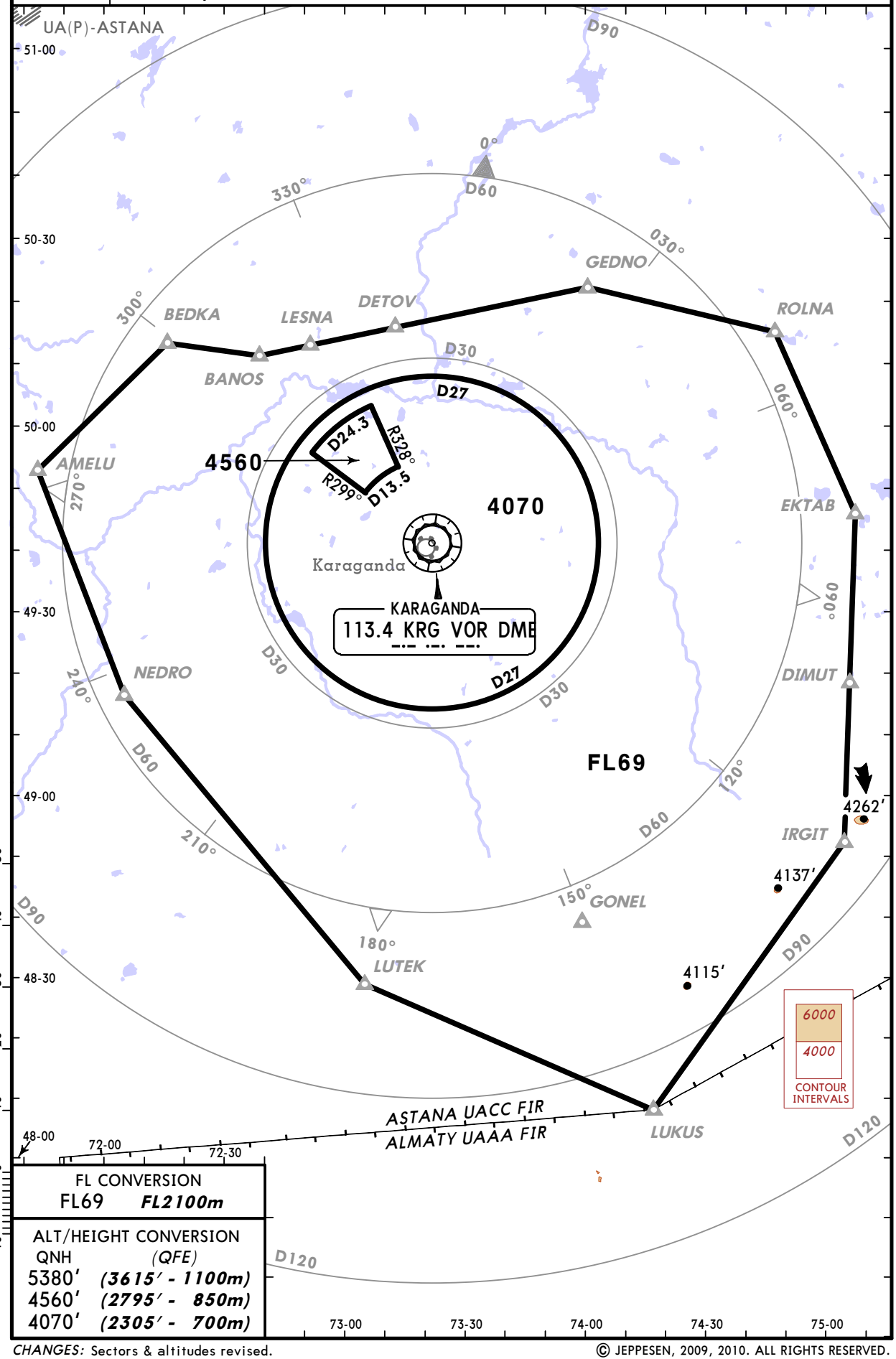
UAKK/KGF KARAGANDA

JEPPESEN **KARAGANDA, KAZAKHSTAN**

2 APR 10 (10-1R) Eff 8 Apr **RADAR MINIMUM ALTITUDES**

Apt Elev 1765′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL69 Trans alt: 5380′ ***(3615′)*** 1. This chart may only be used for cross-checking of altitudes assigned while under radar control. 2. Levels assigned by ATC include a correction for low temperature effect if necessary.



FL CONVERSION	
FL69	***FL2100m***

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
5380′	***(3615′ - 1100m)***
4560′	***(2795′ - 850m)***
4070′	***(2305′ - 700m)***

CHANGES: Sectors & altitudes revised.

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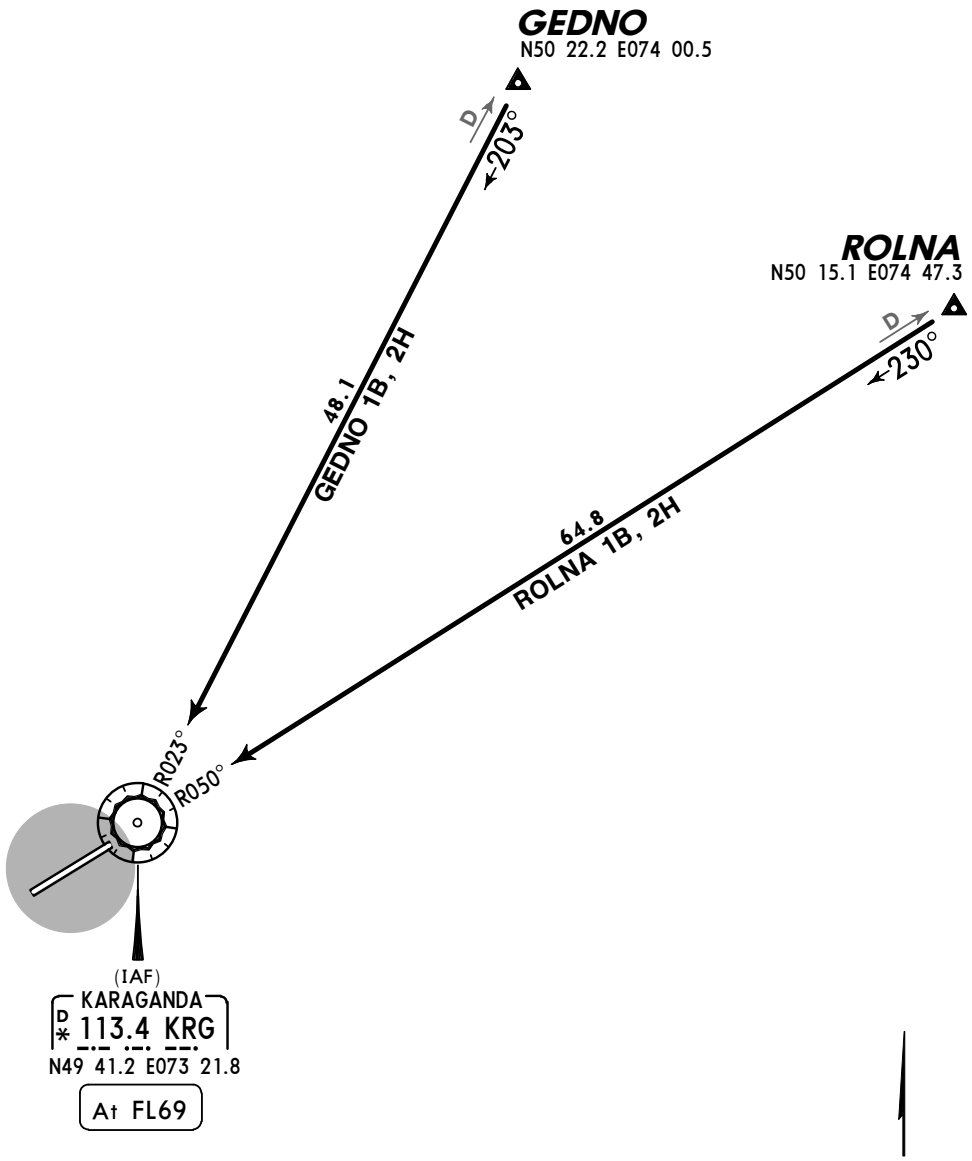
Apt Elev 1765′	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL69 Trans alt: 5380′ *(3615′)* Crossing altitudes at airway exit points by ATC.

5000′
MSA
KRG VOR

GEDNO 1B *[GEDN1B]*, ROLNA 1B *[ROLN1B]*
RWY 05 ARRIVALS

GEDNO 2H *[GEDN2H]*, ROLNA 2H *[ROLN2H]*
RWY 23 ARRIVALS

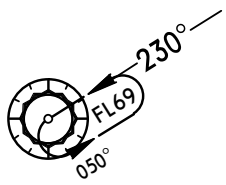
FROM NORTHEAST
BASED ON KRG



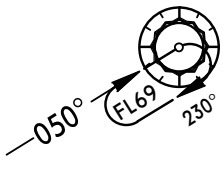
N
NOT TO SCALE

HOLDINGS OVER KRG

Runway 05



Runway 23



FL CONVERSION	
FL69	*FL2100m*

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
5380′	*(3615′ - 1100m)*

CHANGES: STARs transferred; MSA.

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UAKK/KGF
KARAGANDA

JEPPESEN KARAGANDA, KAZAKHSTAN

2 APR 10 (10-2A) Eff 8 Apr

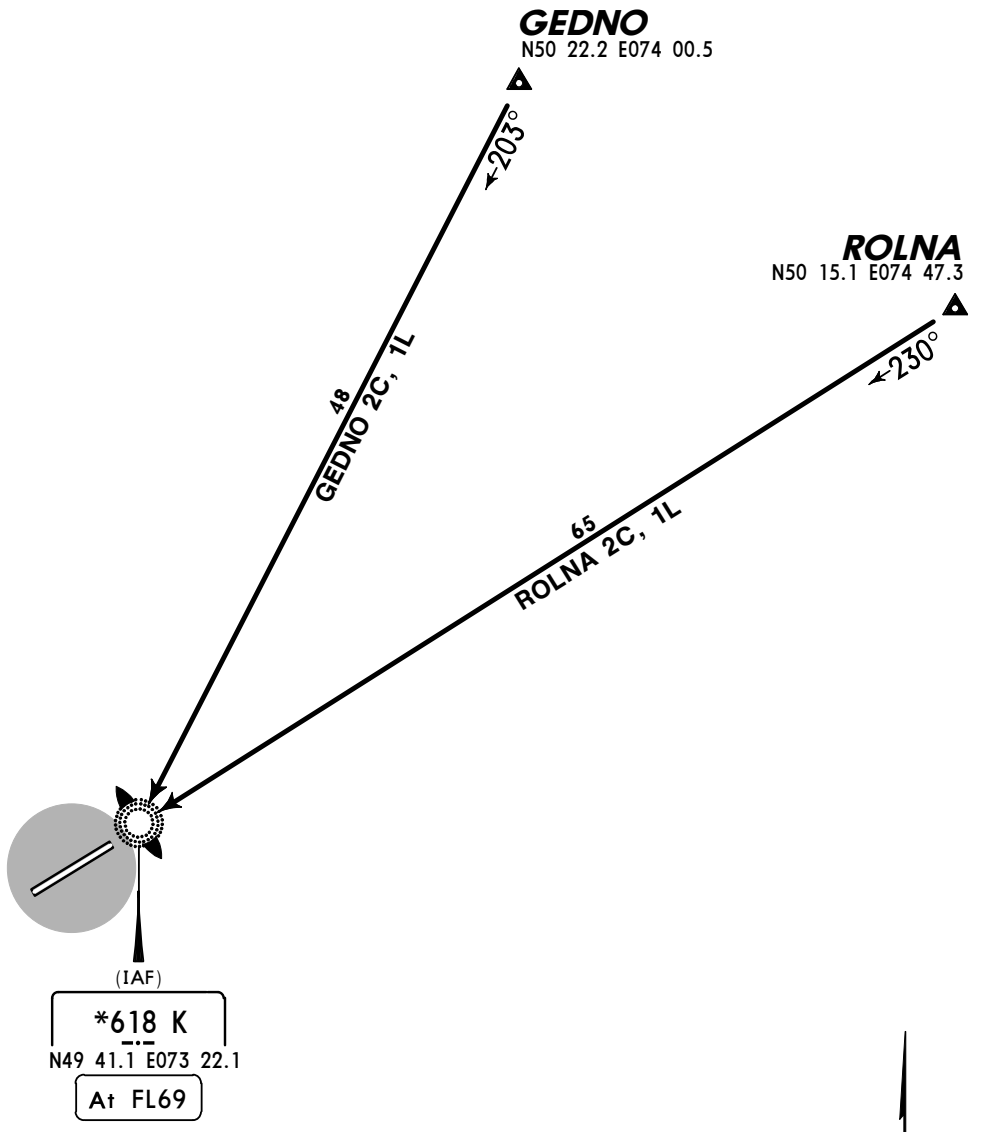
STAR

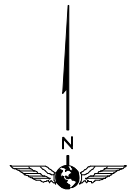
Apt Elev 1765′	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL69 Trans alt: 5380′ *(3615′)* Crossing altitudes at airway exit points by ATC.

5000′
MSA
K Lctr

GEDNO 2C *[GEDN2C]*, ROLNA 2C *[ROLN2C]*
RWY 05 ARRIVALS
GEDNO 1L *[GEDN1L]*, ROLNA 1L *[ROLN1L]*
RWY 23 ARRIVALS

FROM NORTHEAST
BASED ON K

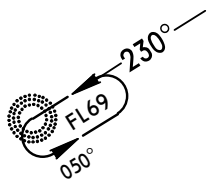




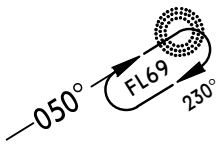
NOT TO SCALE

HOLDINGS OVER K

Runway 05



Runway 23



FL CONVERSION	
FL69	*FL2100m*

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
5380′	*(3615′ - 1100m)*

CHANGES: STARs transferred, revised & renumbered; MSA.

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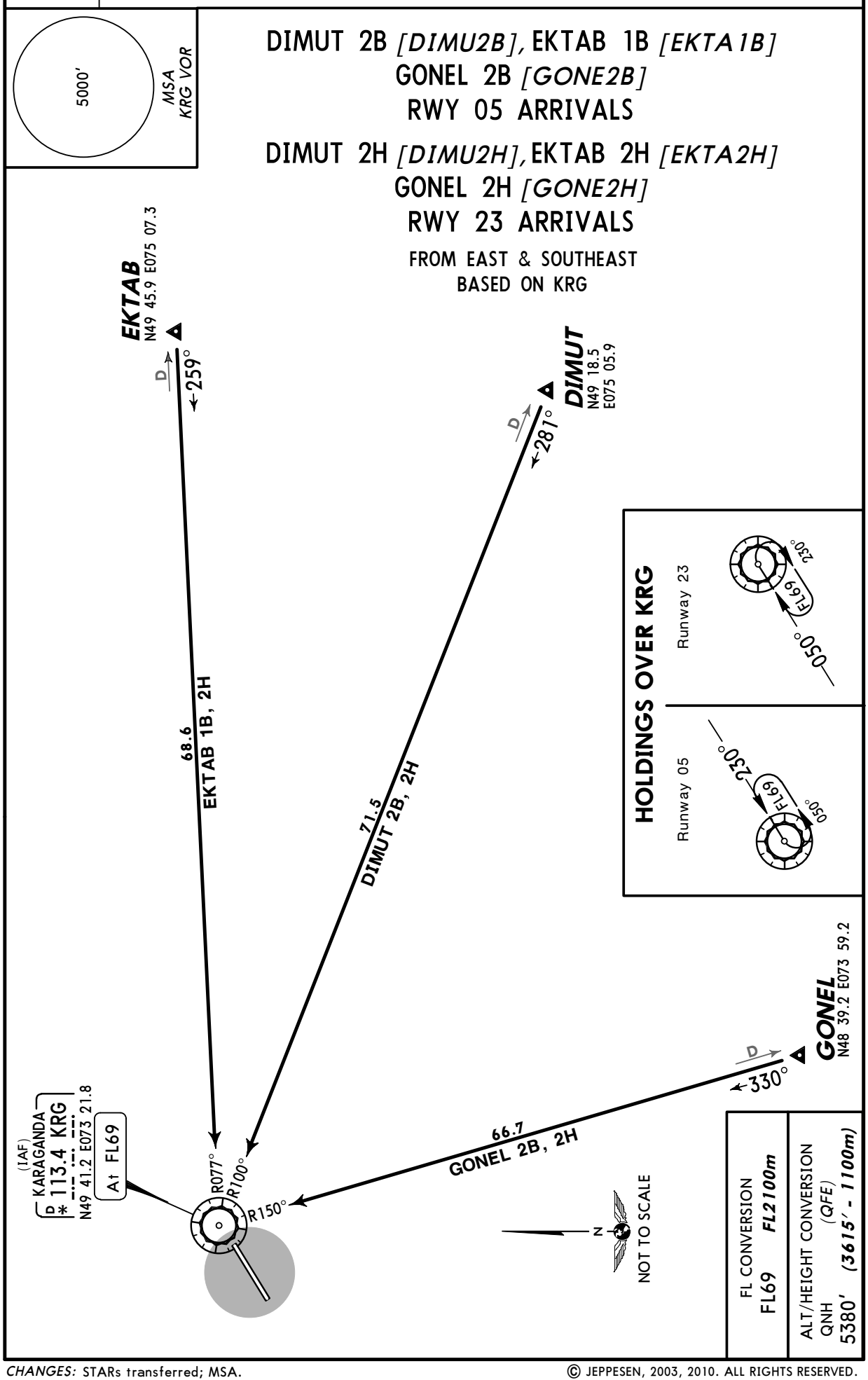
UAKK/KGF KARAGANDA

JEPPESEN **KARAGANDA, KAZAKHSTAN**

2 APR 10 (10-2B) **Eff 8 Apr** **STAR**

Apt Elev 1765′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL69 Trans alt: 5380′ ***(3615′)*** Crossing altitudes at airway exit points by ATC.



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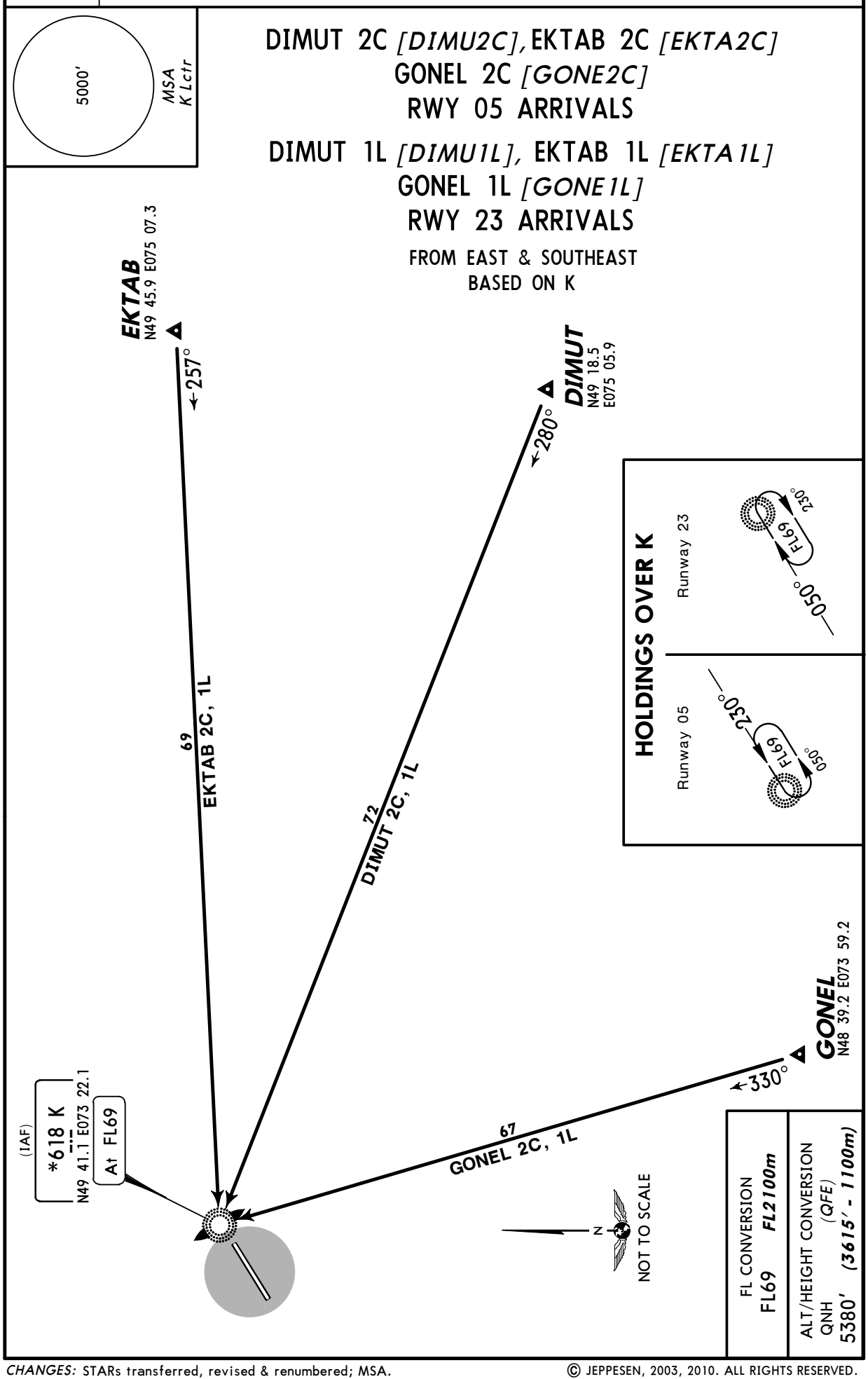
UAKK/KGF KARAGANDA

JEPPESEN **KARAGANDA, KAZAKHSTAN**

2 APR 10 (10-2C) Eff 8 Apr **STAR**

Apt Elev 1765′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL69 Trans alt: 5380′ ***(3615′)*** Crossing altitudes at airway exit points by ATC.



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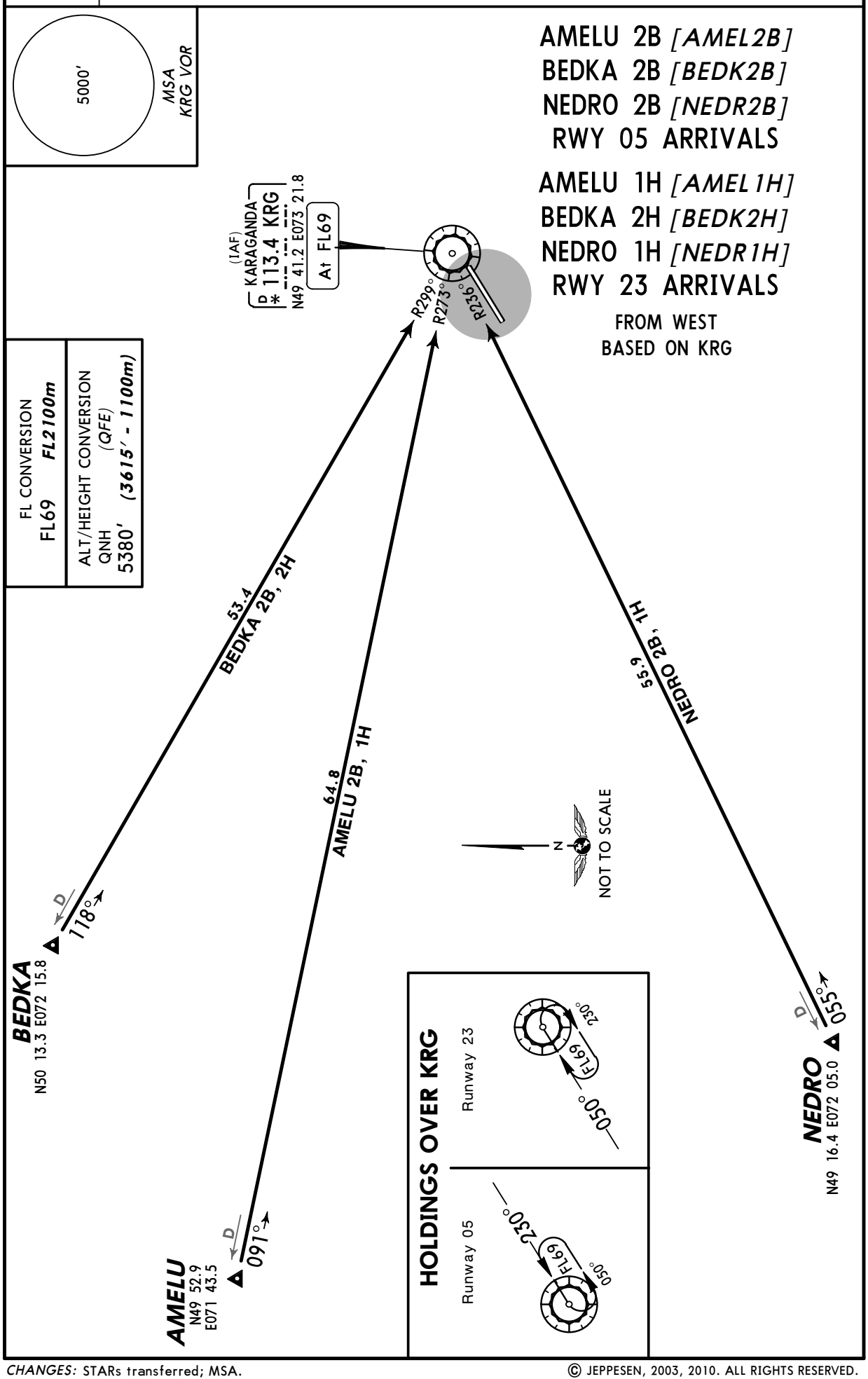
UAKK/KGF KARAGANDA

JEPPESEN **KARAGANDA, KAZAKHSTAN**

2 APR 10 (10-2D) Eff 8 Apr **STAR**

Apt Elev 1765′	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL69 Trans alt: 5380′ *(3615′)* Crossing altitudes at airway exit points by ATC.



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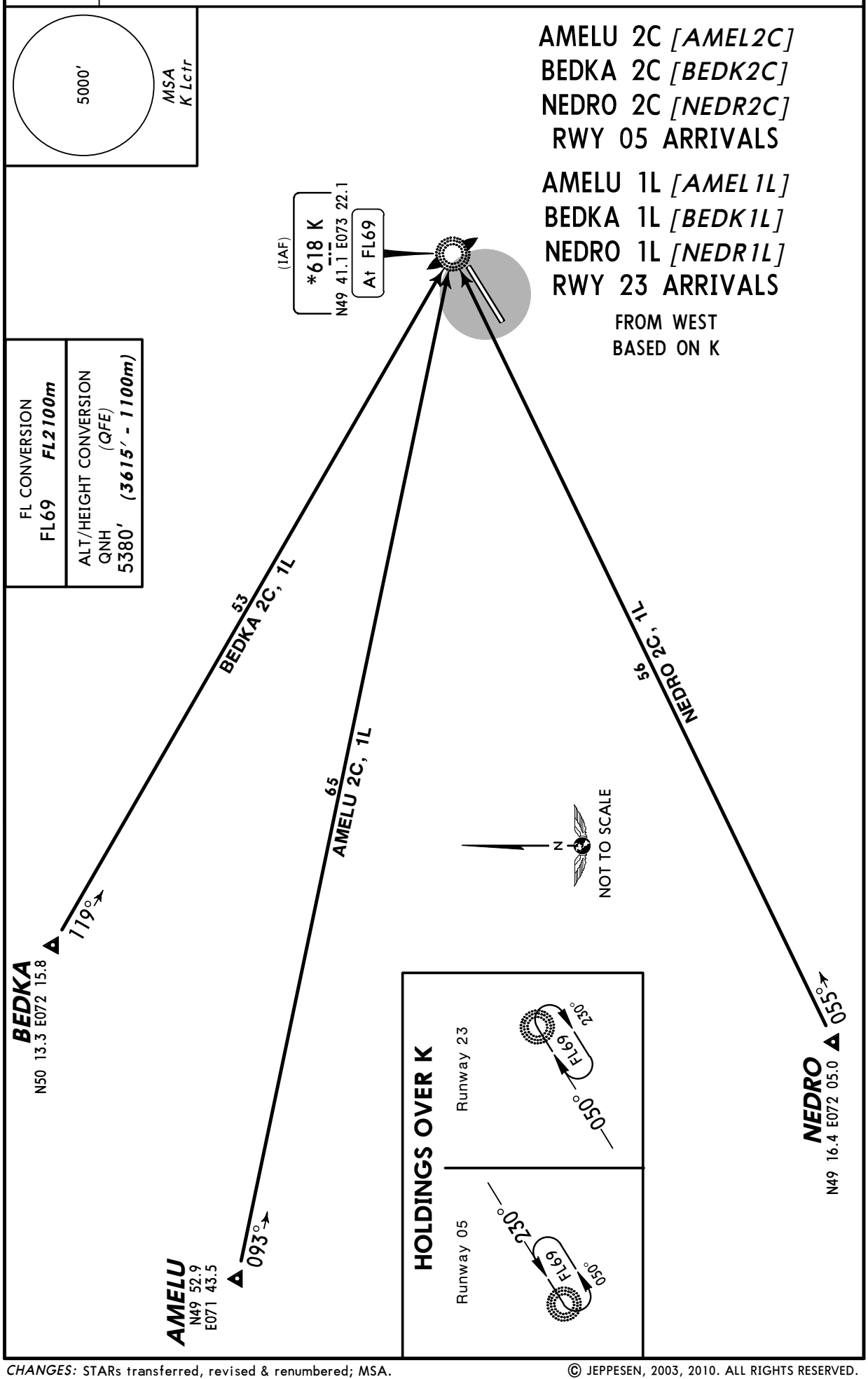
UAKK/KGF KARAGANDA

JEPPESEN **KARAGANDA, KAZAKHSTAN**

2 APR 10 (10-2E) Eff 8 Apr **STAR**

Apt Elev 1765′	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL69 Trans alt: 5380′ *(3615′)* Crossing altitudes at airway exit points by ATC.



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UAKK/KGF
KARAGANDA

JEPPESEN KARAGANDA, KAZAKHSTAN

2 APR 10 (10-2F) Eff 8 Apr

STAR

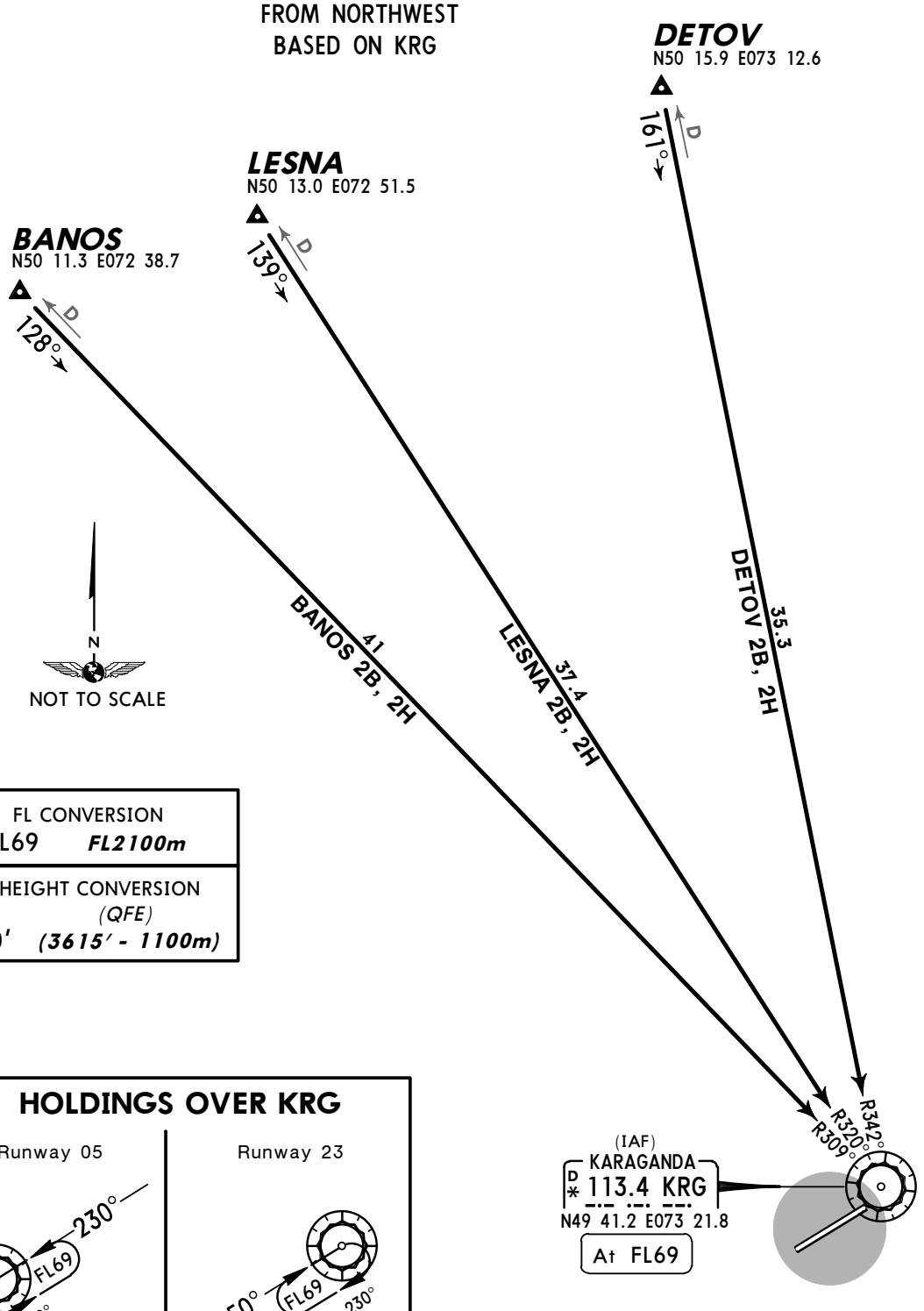
Apt Elev 1765′	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL69 Trans alt: 5380′ *(3615′)* Crossing altitudes at airway exit points by ATC.

5000′
MSA
KRG VOR

BANOS 2B *[BANO2B]*, DETOV 2B *[DETO2B]*
LESNA 2B *[LESN2B]*
RWY 05 ARRIVALS

BANOS 2H *[BANO2H]*, DETOV 2H *[DETO2H]*
LESNA 2H *[LESN2H]*
RWY 23 ARRIVALS

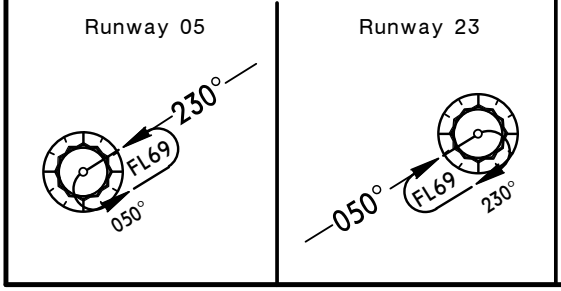
FROM NORTHWEST
BASED ON KRG



FL CONVERSION	
FL69	*FL2100m*

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
5380′	*(3615′ - 1100m)*

HOLDINGS OVER KRG



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UAKK/KGF
KARAGANDA

JEPPESEN KARAGANDA, KAZAKHSTAN

2 APR 10 (10-2G) Eff 8 Apr

STAR

Apt Elev 1765′	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL69 Trans alt: 5380′ *(3615′)* Crossing altitudes at airway exit points by ATC.

5000′
MSA
K Lctr

BANOS 2C *[BANO2C]*, DETOV 2C *[DETO2C]*
LESNA 2C *[LESN2C]*
RWY 05 ARRIVALS

BANOS 1L *[BANO1L]*, DETOV 1L *[DETO1L]*
LESNA 1L *[LESN1L]*
RWY 23 ARRIVALS

FROM NORTHWEST
BASED ON K

DETOV
N50 15.9 E073 12.6

LESNA
N50 13.0 E072 51.5

BANOS
N50 11.3 E072 38.7

162°
140°
129°

BANOS 2C, 1L 41
LESNA 2C, 1L 37
DETOV 2C, 1L 35

N
NOT TO SCALE

FL CONVERSION	
FL69	***FL2100m***

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
5380′	***(3615′ - 1100m)***

HOLDINGS OVER K

Runway 05

230°
FL69
050°

Runway 23

050°
FL69
230°

(IAF)
*618 K
N49 41.1 E073 22.1
At FL69

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UAKK/KGF
KARAGANDA

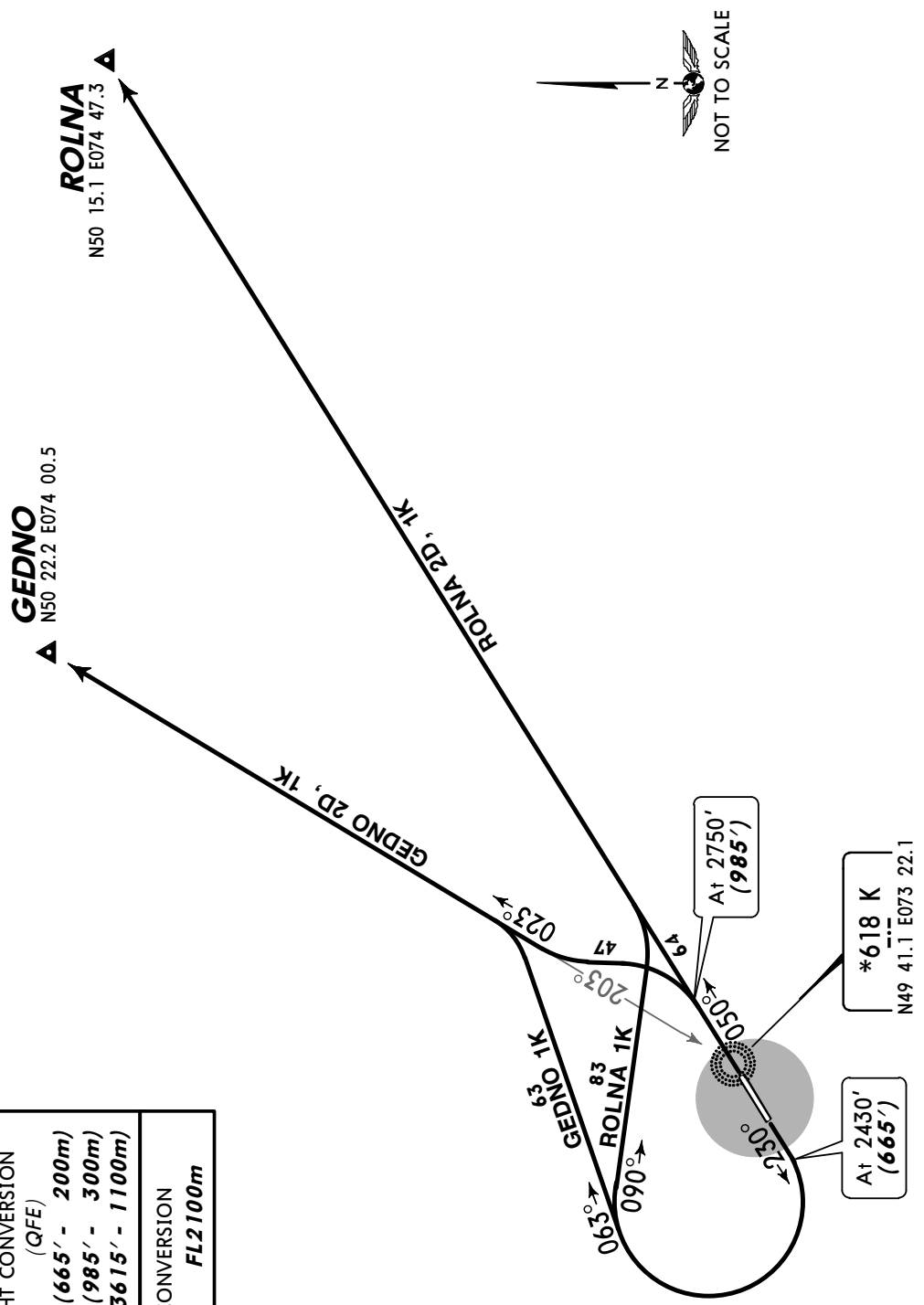
JEPPESEN KARAGANDA, KAZAKHSTAN

2 APR 10 (10-3) Eff 8 Apr SID

Apt Elev 1765′	QNH on request **(QFE)** Trans level: FL69 Trans alt: 5380′ ***(3615′)*** Crossing altitudes at airway entry points by ATC.

5000′ MSA K Lctr

GEDNO 2D *[GEDN2D]*, GEDNO 1K *[GEDN1K]*
ROLNA 2D *[ROLN2D]*, ROLNA 1K *[ROLN1K]*
RWYS 05, 23 DEPARTURES
TO NORTHEAST
BASED ON K



ALT/HEIGHT CONVERSION (QFE)	
QNH	
2430′	***(665′ - 200m)***
2750′	***(985′ - 300m)***
5380′	***(3615′ - 1100m)***

FL CONVERSION	
FL69	***FL2100m***

ROUTING

SID	RWY	
GEDNO 2D	**05**	Climb to 2750′ ***(985′)***, turn LEFT, intercept 023° bearing from K to GEDNO.
GEDNO 1K	**23**	Climb to 2430′ ***(665′)***, turn RIGHT, 063° track, intercept 023° bearing from K to GEDNO.
ROLNA 2D	**05**	Climb to 2750′ ***(985′)***, then to ROLNA.
ROLNA 1K	**23**	Climb to 2430′ ***(665′)***, turn RIGHT, 090° track, intercept 050° bearing from K to ROLNA.

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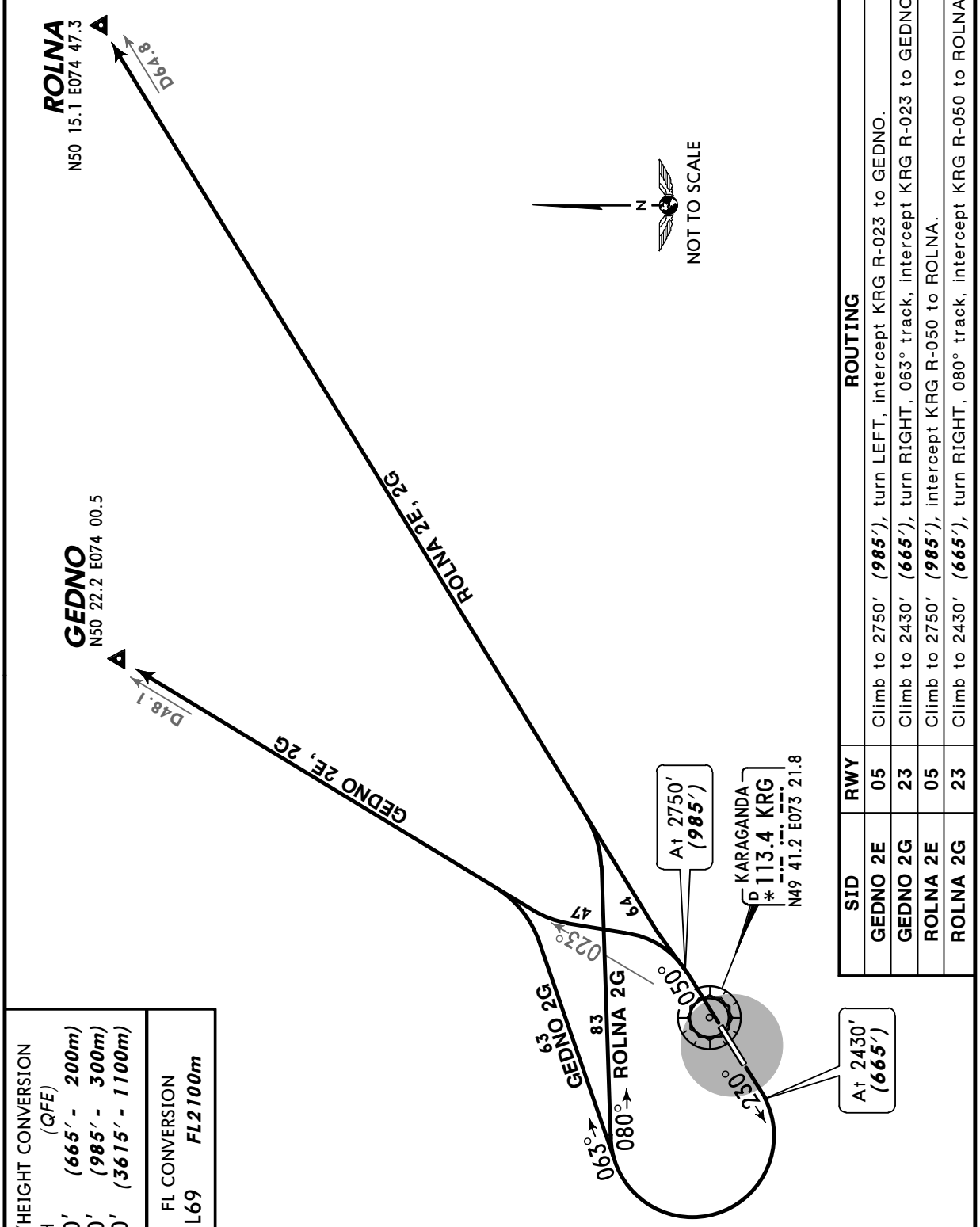
UAKK/KGF KARAGANDA

Apt Elev	
1765′	QNH on request **(QFE)** Trans level: FL69 Trans alt: 5380′ ***(3615′)*** Crossing altitudes at airway entry points by ATC.

GEDNO 2E *[GEDN2E]*, GEDNO 2G *[GEDN2G]*
ROLNA 2E *[ROLN2E]*, ROLNA 2G *[ROLN2G]*
RWYS 05, 23 DEPARTURES
TO NORTHEAST
BASED ON KRG



SID	RWY	ROUTING
GEDNO 2E	05	Climb to 2750′ ***(985′)***, turn LEFT, intercept KRG R-023 to GEDNO.
GEDNO 2G	23	Climb to 2430′ ***(665′)***, turn RIGHT, 063° track, intercept KRG R-023 to GEDNO.
ROLNA 2E	05	Climb to 2750′ ***(985′)***, intercept KRG R-050 to ROLNA.
ROLNA 2G	23	Climb to 2430′ ***(665′)***, turn RIGHT, 080° track, intercept KRG R-050 to ROLNA.

ALT/HEIGHT CONVERSION

QNH	(QFE)
2430′	***(665′ - 200m)***
2750′	***(985′ - 300m)***
5380′	***(3615′ - 1100m)***

FL CONVERSION
FL69 ***FL2100m***

CHANGES: MSA; chart reindexed.

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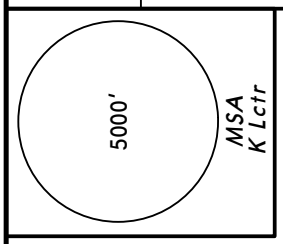
UAKK/KGF
KARAGANDA

JEPPESEN KARAGANDA, KAZAKHSTAN

2 APR 10 (10-3B) Eff 8 Apr SID

Apt Elev	
1765′	QNH on request **(QFE)** Trans level: FL69 Trans alt: 5380′ ***(3615′)*** Crossing altitudes at airway entry points by ATC.



DIMUT 2D *[DIMU2D]*, DIMUT 1K *[DIMU1K]*
EKTAB 2D *[EKTA2D]*, EKTAB 1K *[EKTA1K]*
GONEL 2D *[GONE2D]*, GONEL 1K *[GONE1K]*
RWYS 05, 23 DEPARTURES
TO EAST & SOUTHEAST
BASED ON K

EKTAB
N49 45.9 E075 07.3

DIMUT
N49 18.5 E075 05.9

GONEL
N48 39.2 E073 59.2

NOT TO SCALE

EKTAB 2D, 1K

DIMUT 2D, 1K

GONEL 2D

EKTAB 1K

DIMUT 1K

GONEL 1K

67 077°

71 140°

100°

280°

190°

257°

050°

230°

85

85

71

330°

150°

037°

090°

110°

70

At 2750′ *(985′)*

At 3080′ *(1315′)*

*618 K
N49 41.1 E073 22.1

ALT/HEIGHT CONVERSION (QFE)	
QNH	
2750′	*(985′ - 300m)*
3080′	*(1315′ - 400m)*
5380′	*(3615′ - 1100m)*

FL CONVERSION	
FL69	*FL2100m*

SID	RWY	ROUTING
DIMUT 2D	05	Climb to 2750′ ***(985′)***, turn RIGHT, 140° track, intercept 100° bearing from K to DIMUT.
DIMUT 1K	23	Climb to 3080′ ***(1315′)***, turn LEFT, 060° track, intercept 100° bearing from K to DIMUT.
EKTAB 2D	05	Climb to 2750′ ***(985′)***, turn RIGHT, intercept 077° bearing from K to EKTAB.
EKTAB 1K	23	Climb to 3080′ ***(1315′)***, turn LEFT, 037° track, intercept 077° bearing from K to EKTAB.
GONEL 2D	05	Climb to 2750′ ***(985′)***, turn RIGHT, 190° track, intercept 150° bearing from K to GONEL.
GONEL 1K	23	Climb to 3080′ ***(1315′)***, turn LEFT, 110° track, intercept 150° bearing from K to GONEL.

CHANGES: SIDs renumbered & revised; MSA; chart reindexed.

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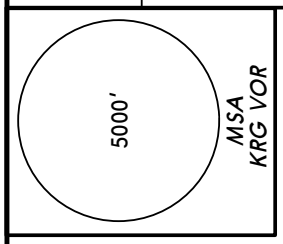
UAKK/KGF KARAGANDA

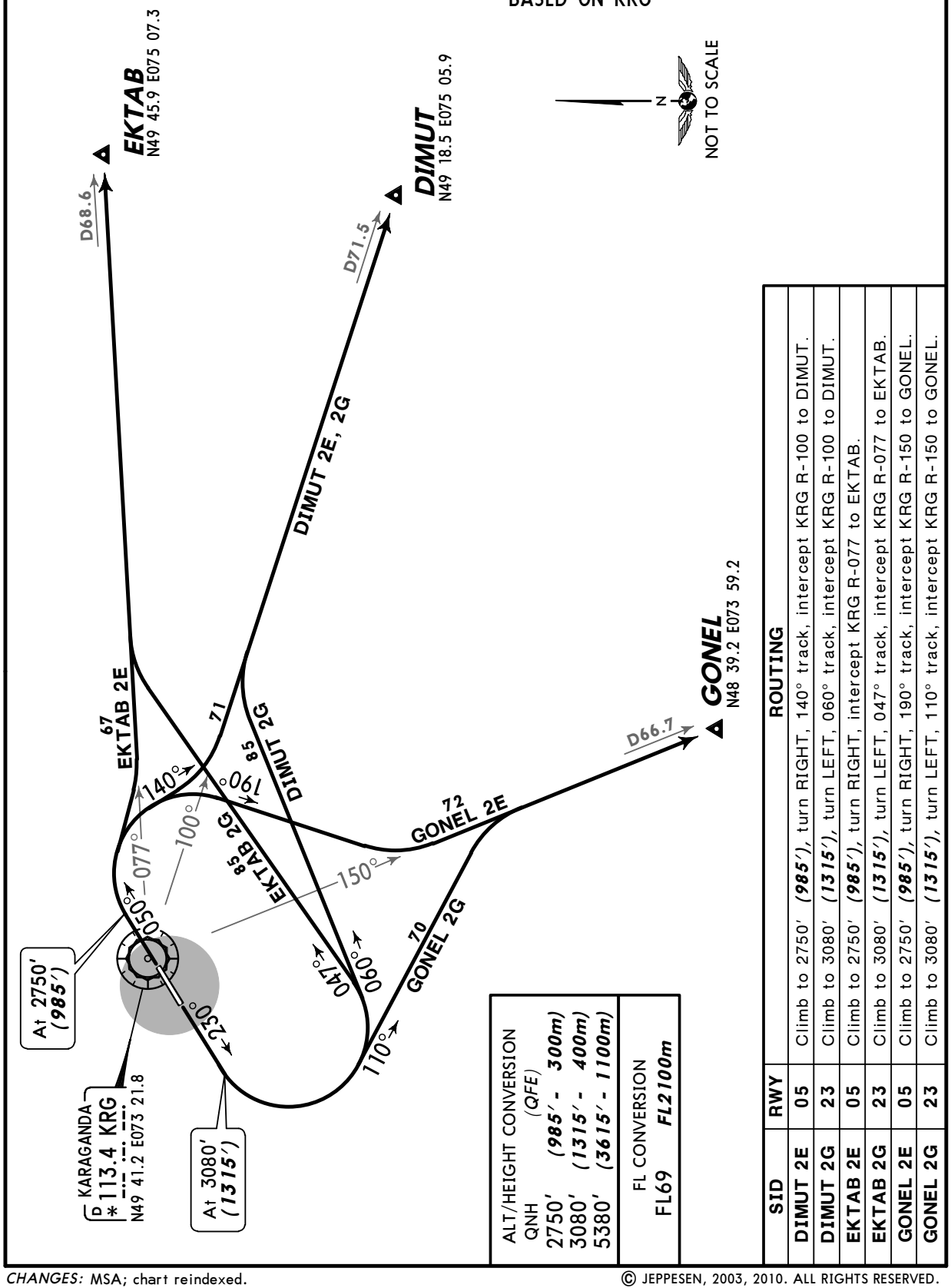
JEPPESEN KARAGANDA, KAZAKHSTAN

2 APR 10 (10-3C) Eff 8 Apr SID

Apt Elev 1765′	QNH on request **(QFE)** Trans level: FL69 Trans alt: 5380′ ***(3615′)*** Crossing altitudes at airway entry points by ATC.



DIMUT 2E *[DIMU2E]*, DIMUT 2G *[DIMU2G]*
EKTAB 2E *[EKTA2E]*, EKTAB 2G *[EKTA2G]*
GONEL 2E *[GONE2E]*, GONEL 2G *[GONE2G]*
RWYS 05, 23 DEPARTURES
TO EAST & SOUTHEAST
BASED ON KRG



ALT/HEIGHT CONVERSION QNH	(QFE)
2750′	***(985′ - 300m)***
3080′	***(1315′ - 400m)***
5380′	***(3615′ - 1100m)***

FL CONVERSION
FL69 ***FL2100m***

SID	RWY	ROUTING
DIMUT 2E	**05**	Climb to 2750′ ***(985′)***, turn RIGHT, 140° track, intercept KRG R-100 to DIMUT.
DIMUT 2G	**23**	Climb to 3080′ ***(1315′)***, turn LEFT, 060° track, intercept KRG R-100 to DIMUT.
EKTAB 2E	**05**	Climb to 2750′ ***(985′)***, turn RIGHT, intercept KRG R-077 to EKTAB.
EKTAB 2G	**23**	Climb to 3080′ ***(1315′)***, turn LEFT, 047° track, intercept KRG R-077 to EKTAB.
GONEL 2E	**05**	Climb to 2750′ ***(985′)***, turn RIGHT, 190° track, intercept KRG R-150 to GONEL.
GONEL 2G	**23**	Climb to 3080′ ***(1315′)***, turn LEFT, 110° track, intercept KRG R-150 to GONEL.

CHANGES: MSA; chart reindexed.

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UAKK/KGF KARAGANDA

JEPPESEN KARAGANDA, KAZAKHSTAN

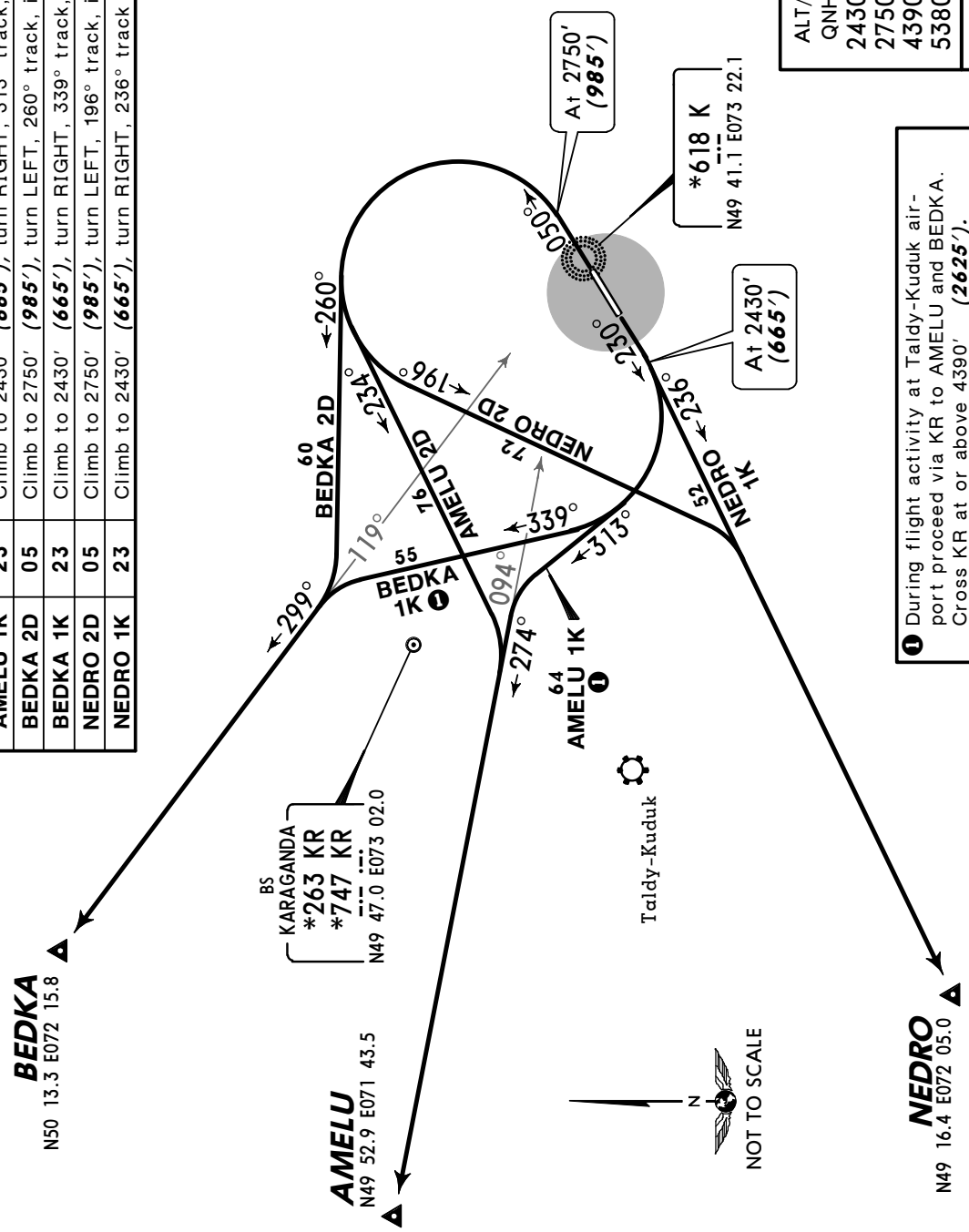
2 APR 10 (10-3D) Eff 8 Apr **SID**

Apt Elev	
1765′	QNH on request **(QFE)** Trans level: FL69 Trans alt: 5380′ ***(3615′)*** Crossing altitudes at airway entry points by ATC.

AMELU 2D *[AMEL2D]*
AMELU 1K *[AMEL1K]*
BEDKA 2D *[BEDK2D]*
BEDKA 1K *[BEDK1K]*
NEDRO 2D *[NEDR2D]*
NEDRO 1K *[NEDR1K]*
RWYS 05, 23 DEPARTURES
TO WEST
BASED ON K

ROUTING

SID	RWY	
AMELU 2D	05	Climb to 2750′ ***(985′)***, turn LEFT, 234° track, intercept 274° bearing from K to AMELU.
AMELU 1K	23	Climb to 2430′ ***(665′)***, turn RIGHT, 313° track, intercept 274° bearing from K to AMELU.
BEDKA 2D	05	Climb to 2750′ ***(985′)***, turn LEFT, 260° track, intercept 299° bearing from K to BEDKA.
BEDKA 1K	23	Climb to 2430′ ***(665′)***, turn RIGHT, 339° track, intercept 299° bearing from K to BEDKA.
NEDRO 2D	05	Climb to 2750′ ***(985′)***, turn LEFT, 196° track, intercept 236° bearing from K to NEDRO.
NEDRO 1K	23	Climb to 2430′ ***(665′)***, turn RIGHT, 236° track to NEDRO.



CHANGES: SIDs renumbered & revised; MSA; chart reindexed.

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UAKK/KGF KARAGANDA

JEPPESEN KARAGANDA, KAZAKHSTAN

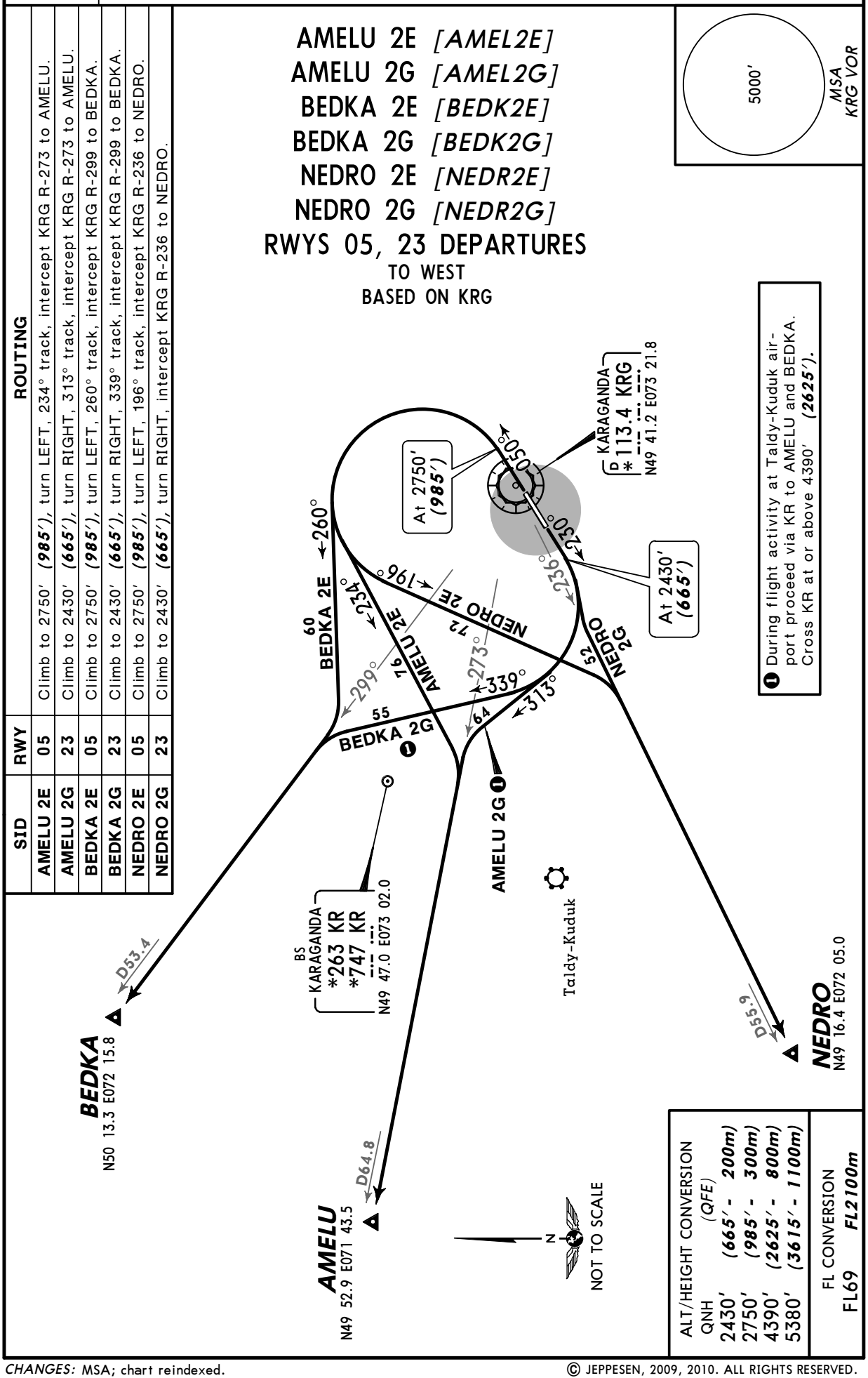
2 APR 10 (10-3E) Eff 8 Apr SID

Apt Elev 1765′	QNH on request **(QFE)** Trans level: FL69 Trans alt: 5380′ ***(3615′)*** Crossing altitudes at airway entry points by ATC.

AMELU 2E *[AMEL2E]*
AMELU 2G *[AMEL2G]*
BEDKA 2E *[BEDK2E]*
BEDKA 2G *[BEDK2G]*
NEDRO 2E *[NEDR2E]*
NEDRO 2G *[NEDR2G]*
RWYS 05, 23 DEPARTURES
TO WEST
BASED ON KRG

ROUTING

SID	RWY	
AMELU 2E	05	Climb to 2750′ ***(985′)***, turn LEFT, 234° track, intercept KRG R-273 to AMELU.
AMELU 2G	23	Climb to 2430′ ***(665′)***, turn RIGHT, 313° track, intercept KRG R-273 to AMELU.
BEDKA 2E	05	Climb to 2750′ ***(985′)***, turn LEFT, 260° track, intercept KRG R-299 to BEDKA.
BEDKA 2G	23	Climb to 2430′ ***(665′)***, turn RIGHT, 339° track, intercept KRG R-299 to BEDKA.
NEDRO 2E	05	Climb to 2750′ ***(985′)***, turn LEFT, 196° track, intercept KRG R-236 to NEDRO.
NEDRO 2G	23	Climb to 2430′ ***(665′)***, turn RIGHT, intercept KRG R-236 to NEDRO.



CHANGES: MSA; chart reindexed.

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UAKK/KGF
KARAGANDA

JEPPESEN KARAGANDA, KAZAKHSTAN

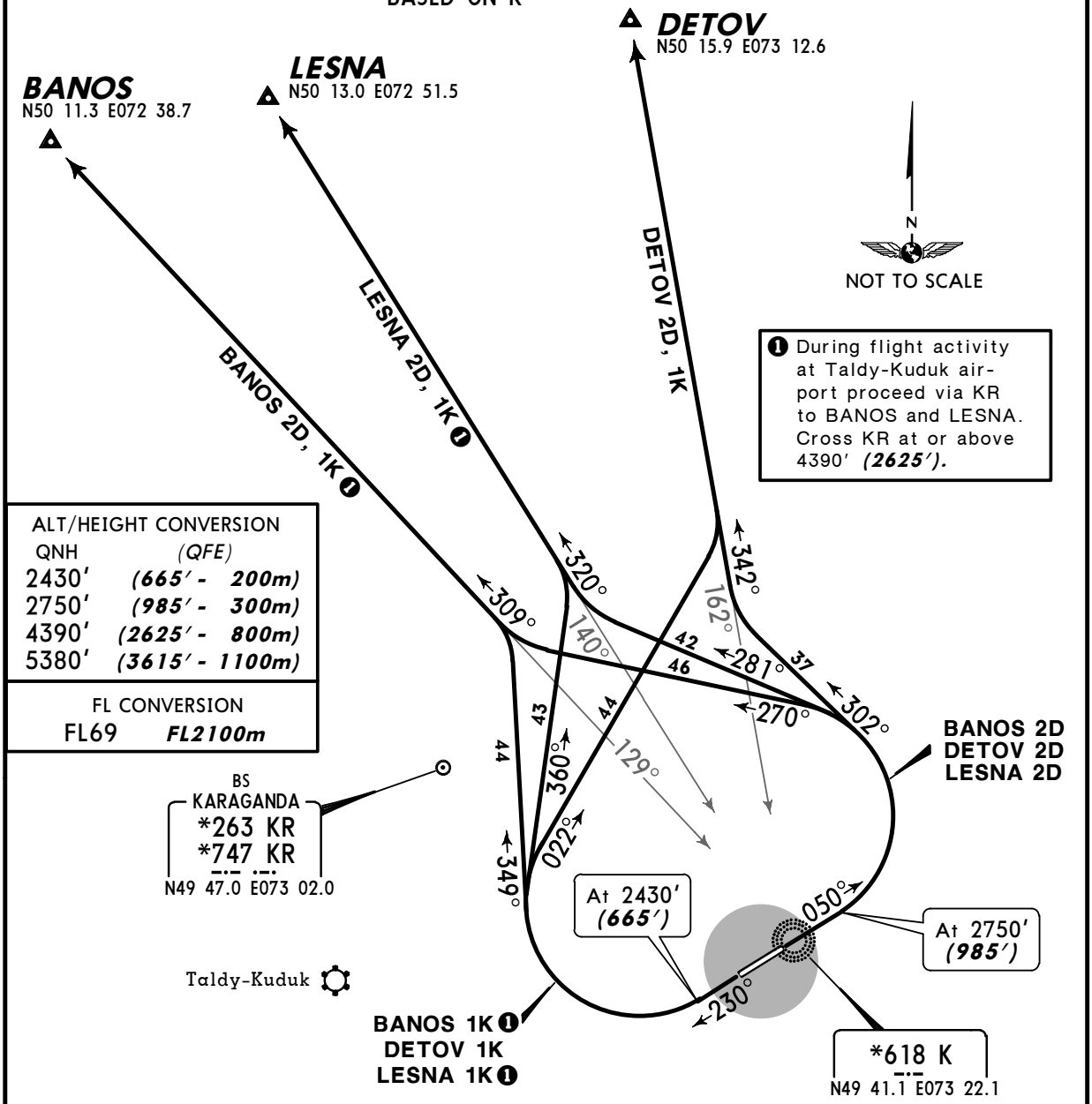
2 APR 10 (10-3F) Eff 8 Apr

SID

Apt Elev 1765′	QNH on request **(QFE)** Trans level: FL69 Trans alt: 5380′ ***(3615′)*** Crossing altitudes at airway entry points by ATC.

MSA K Lctr: 5000′

BANOS 2D *[BANO2D]*, BANOS 1K *[BANO1K]*
DETOV 2D *[DETO2D]*, DETOV 1K *[DETO1K]*
LESNA 2D *[LESN2D]*, LESNA 1K *[LESN1K]*
RWYS 05, 23 DEPARTURES
TO NORTHWEST
BASED ON K



SID	RWY	ROUTING
BANOS 2D	**05**	Climb to 2750′ ***(985′)***, turn LEFT, 270° track, intercept 309° bearing from K to BANOS.
BANOS 1K	**23**	Climb to 2430′ ***(665′)***, turn RIGHT, 349° track, intercept 309° bearing from K to BANOS.
DETOV 2D	**05**	Climb to 2750′ ***(985′)***, turn LEFT, 302° track, intercept 342° bearing from K to DETOV.
DETOV 1K	**23**	Climb to 2430′ ***(665′)***, turn RIGHT, 022° track, intercept 342° bearing from K to DETOV.
LESNA 2D	**05**	Climb to 2750′ ***(985′)***, turn LEFT, 281° track, intercept 320° bearing from K to LESNA.
LESNA 1K	**23**	Climb to 2430′ ***(665′)***, turn RIGHT, 360° track, intercept 320° bearing from K to LESNA.

CHANGES: SIDs renumbered & revised; MSA; chart reindexed.

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UAKK/KGF
KARAGANDA

JEPPESEN KARAGANDA, KAZAKHSTAN

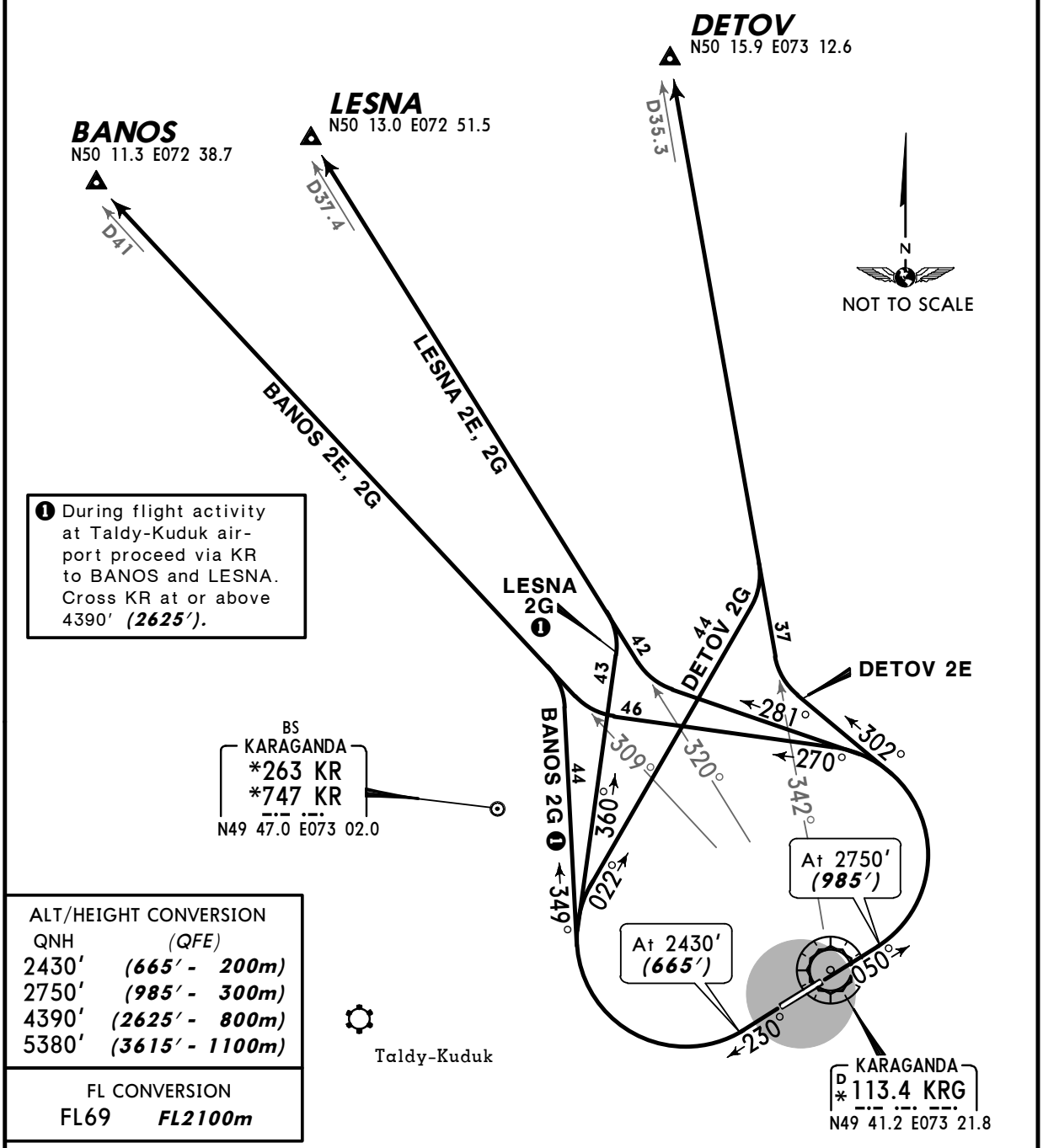
2 APR 10 (10-3G) Eff 8 Apr

SID

Apt Elev 1765′	QNH on request **(QFE)** Trans level: FL69 Trans alt: 5380′ ***(3615′)*** Crossing altitudes at airway entry points by ATC.

5000′
MSA
KRG VOR

BANOS 2E *[BANO2E]*, BANOS 2G *[BANO2G]*
DETOV 2E *[DETO2E]*, DETOV 2G *[DETO2G]*
LESNA 2E *[LESN2E]*, LESNA 2G *[LESN2G]*
RWYS 05, 23 DEPARTURES
TO NORTHWEST
BASED ON KRG



❶ During flight activity at Taldy-Kuduk airport proceed via KR to BANOS and LESNA. Cross KR at or above 4390′ ***(2625′).***

ALT/HEIGHT CONVERSION

QNH	*(QFE)*
2430′	***(665′ - 200m)***
2750′	***(985′ - 300m)***
4390′	***(2625′ - 800m)***
5380′	***(3615′ - 1100m)***

FL CONVERSION

FL69 ***FL2100m***

SID	RWY	ROUTING
BANOS 2E	**05**	Climb to 2750′ ***(985′)***, turn LEFT, 270° track, intercept KRG R-309 to BANOS.
BANOS 2G	**23**	Climb to 2430′ ***(665′)***, turn RIGHT, 349° track, intercept KRG R-309 to BANOS.
DETOV 2E	**05**	Climb to 2750′ ***(985′)***, turn LEFT, 302° track, intercept KRG R-342 to DETOV.
DETOV 2G	**23**	Climb to 2430′ ***(665′)***, turn RIGHT, 022° track, intercept KRG R-342 to DETOV.
LESNA 2E	**05**	Climb to 2750′ ***(985′)***, turn LEFT, 281° track, intercept KRG R-320 to LESNA.
LESNA 2G	**23**	Climb to 2430′ ***(665′)***, turn RIGHT, 360° track, intercept KRG R-320 to LESNA.

CHANGES: MSA; chart reindexed.

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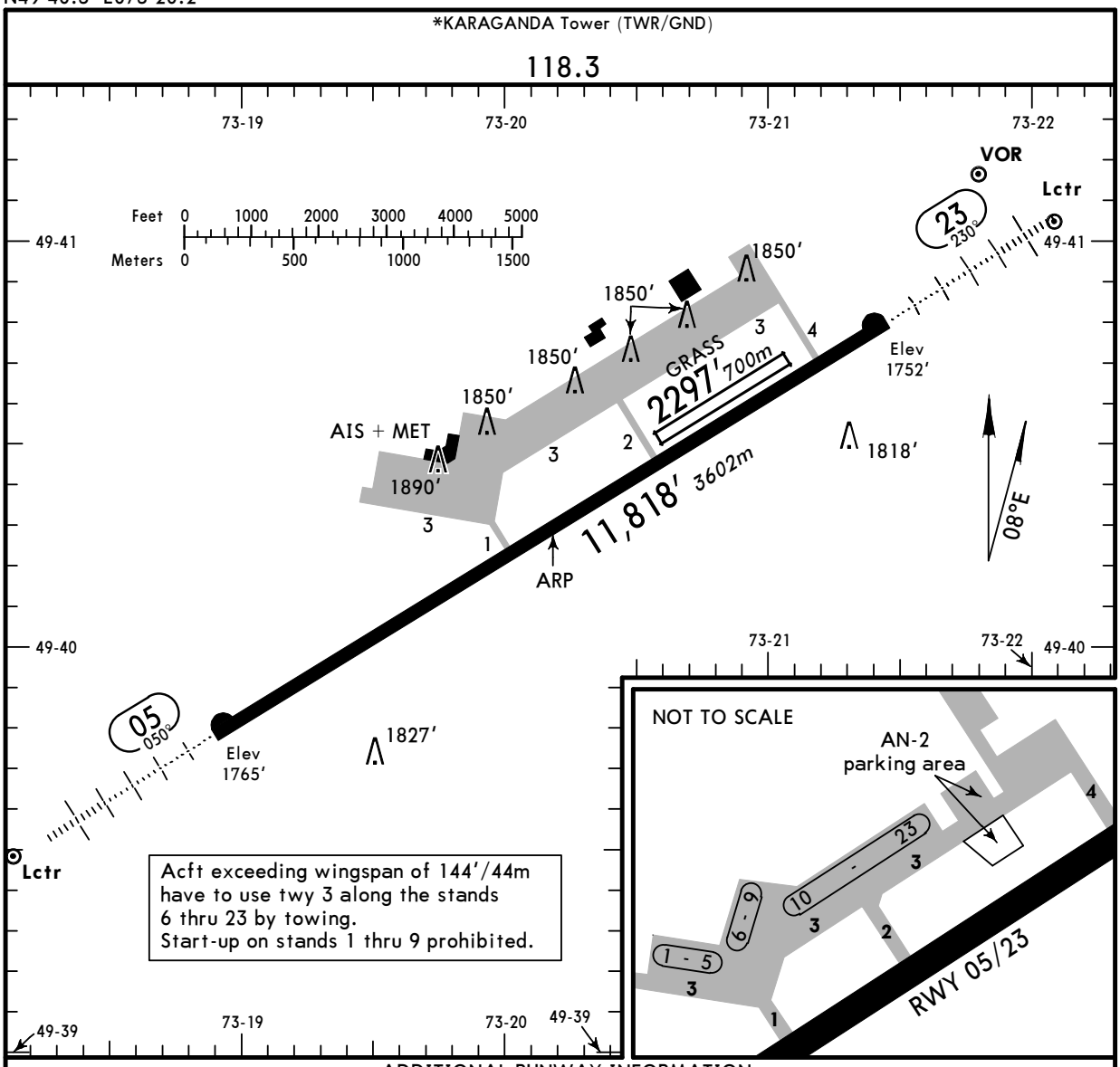
UAKK/KGF

Apt Elev **1765′**
N49 40.3 E073 20.2

JEPPESEN **KARAGANDA, KAZAKHSTAN**

27 MAR 09 (10-9) **Eff 9 Apr**

KARAGANDA



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS LANDING BEYOND Threshold	Glide Slope	TAKE-OFF	WIDTH
05 23	HIRL *(60m)* HIALS PAPI-L(angle 3.00°) RVR		10,664′ *3250m* 9736′ *2967m*		197′ *60m*
05 23	Grass runway				230′ *70m*

TAKE-OFF

AIR CARRIER (JAA)
All Rwys

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

[1] LVP must be in force: 300m.

CHANGES: PAPI angle.

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STRAIGHT-IN RWY		A	B	C	D
05	ILS	**1965**′(200′) **800m**	**1965**′(200′) **800m**	**1965**′(200′) **800m**	**1965**′(200′) **800m**
	ALS out	1200m	1200m	1200m	1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❶	**2430**′(665′) **2500m**	**2430**′(665′) **2500m**	**2750**′(985′) **5000m**	**2750**′(985′) **5000m**
	2 NDB ❶	**2120**′(355′) **1500m**	**2120**′(355′) **1500m**	**2120**′(355′) **1500m**	**2120**′(355′) **1500m**
	ALS out	1600m	1600m	1600m	1600m
	NDB ❶❷	**2640**′(875′) **3000m**	**2640**′(875′) **3000m**	**2750**′(985′) **5000m**	**2750**′(985′) **5000m**
	NDB ❸	**2640**′(875′) **3500m**	**2640**′(875′) **3500m**	**2750**′(985′) **5000m**	**2750**′(985′) **5000m**
	ALS out	4200m	4200m	5000m	5000m
23	ILS	**1952**′(200′) **800m**	**1952**′(200′) **800m**	**1952**′(200′) **800m**	**1952**′(200′) **800m**
	ALS out	1200m	1200m	1200m	1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❶	**2410**′(658′) **2500m**	**2410**′(658′) **2500m**	**2740**′(988′) **5000m**	**2740**′(988′) **5000m**
	2 NDB ❶❷	**2110**′(358′) **1500m**	**2110**′(358′) **1500m**	**2110**′(358′) **1500m**	**2110**′(358′) **1500m**
	ALS out	1500m	1500m	1600m	1600m
	2 NDB ❶❸	**2110**′(358′) **1500m**	**2110**′(358′) **1500m**	**2110**′(358′) **1500m**	**2110**′(358′) **1500m**
	ALS out	1600m	1600m	1600m	1600m
	NDB ❶❷	**2530**′(778′) **3000m**	**2530**′(778′) **3000m**	**2740**′(988′) **5000m**	**2740**′(988′) **5000m**
	NDB ❸	**2530**′(778′) **3100m**	**2530**′(778′) **3100m**	**2740**′(988′) **5000m**	**2740**′(988′) **5000m**
	ALS out	3800m	3800m	5000m	5000m

❶ Continuous Descent Final Approach
❷ with FMS
❸ w/o FMS

TAKE-OFF RWY 05, 23

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

■ LVP must be in force: 300m.

CHANGES: New page.

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STRAIGHT-IN RWY		A	B	C	D
05	ILS	**1965′**(200′)	**1965′**(200′)	**1965′**(200′)	**1965′**(200′)
		800m	**800m**	**800m**	**800m**
	ALS out	1000m	1000m	1000m	1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR DME	**2430′**(665′)	**2430′**(665′)	**2750′**(985′)	**2750′**(985′)
		2500m	**2500m**	**5000m**	**5000m**
	2 NDB	**2110′**(345′)	**2110′**(345′)	**2110′**(345′)	**2110′**(345′)
		1500m	**1500m**	**1500m**	**1500m**
	ALS out	1500m	1500m	1800m	2000m
	NDB	**2640′**(875′)	**2640′**(875′)	**2750′**(985′)	**2750′**(985′)
		3000m	**3000m**	**5000m**	**5000m**
23	ILS	**1952′**(200′)	**1952′**(200′)	**1952′**(200′)	**1952′**(200′)
		800m	**800m**	**800m**	**800m**
	ALS out	1000m	1000m	1000m	1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR DME	**2410′**(658′)	**2410′**(658′)	**2740′**(988′)	**2740′**(988′)
		2500m	**2500m**	**5000m**	**5000m**
	2 NDB	**2090′**(338′)	**2090′**(338′)	**2090′**(338′)	**2090′**(338′)
		1500m	**1500m**	**1500m**	**1500m**
	ALS out	1500m	1500m	1800m	2000m
	NDB	**2530′**(778′)	**2530′**(778′)	**2740′**(988′)	**2740′**(988′)
		3000m	**3000m**	**5000m**	**5000m**

TAKE-OFF RWY 05, 23

	DAY			NIGHT
	RL	RCLM	NIL	RL
A	*400m* [1]	*400m* [1]	*500m*	*400m* [1]
B				
C		*500m*		*400m*
D				

[1] LVP must be in force: 300m.

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UAKK/KGF KARAGANDA

JEPPESEN 2 APR 10 (11-1) Eff 8 Apr

KARAGANDA, KAZAKHSTAN ILS DME Z Rwy 05

BRIEFING STRIP ™

*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

LOC IRG	Final Apch Crs	GS D6.9 IRG	ILS DA(H)	Apt Elev 1765'
109.9	050°	4070'(2305')	1965'(200')	RWY 1765'

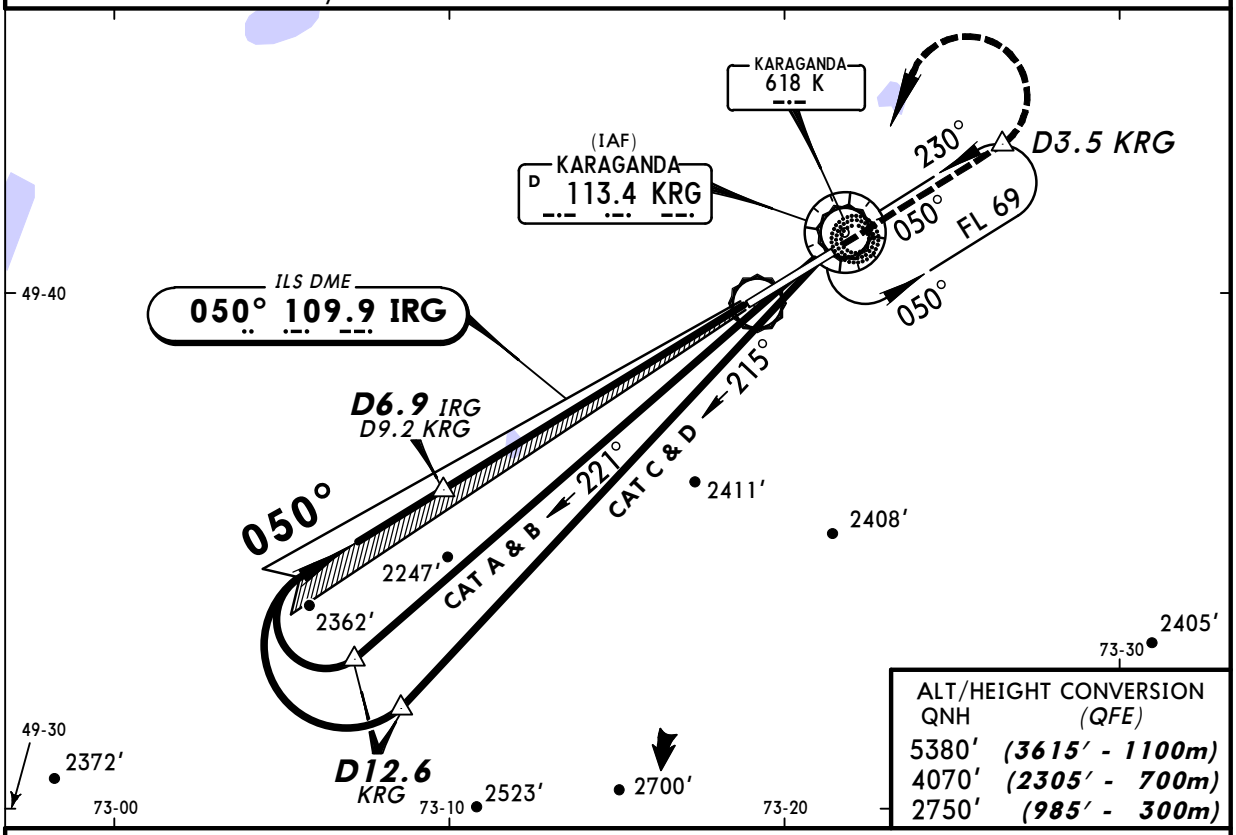
MISSED APCH: Climb on 050° to 2750'(985') or above to D3.5 KRG, then turn LEFT (MAX 225 KT) to VOR. Climb initially to 4070'(2305'), then as directed.

MISSED APCH WITH COMM FAILURE: Climb to FL 69 to VOR and join holding.

5000'
MSA KRG VOR

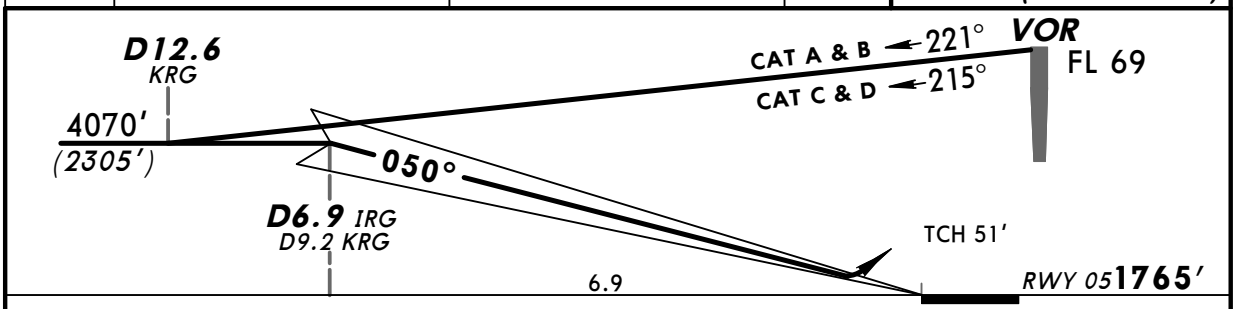
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 5380'(3615')

1. Initial apch restricted to MAX 195 KT. 2. Heavy turbulence and windshear may be expected on final.
3. ILS DME reads zero at rwy 05 thresh.



ALT/HEIGHT CONVERSION

QNH	(QFE)
5380'	(3615' - 1100m)
4070'	(2305' - 700m)
2750'	(985' - 300m)



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

HIALS
PAPI

2750' (985') on or above 050°

D3.5 KRG

STRAIGHT-IN LANDING RWY 05

	ILS DA(H) 1965'(200') FULL	ILS DA(H) 1965'(200') ALS out	LOC (GS out)
A	800m	1200m	NOT AUTHORIZED
B			
C			
D			

PANS OPS

CHANGES: MSA. Procedure.

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UAKK/KGF KARAGANDA

JEPPESEN 2 APR 10 (11-2) Eff 8 Apr

KARAGANDA, KAZAKHSTAN ILS DME Y Rwy 05

BRIEFING STRIP TM

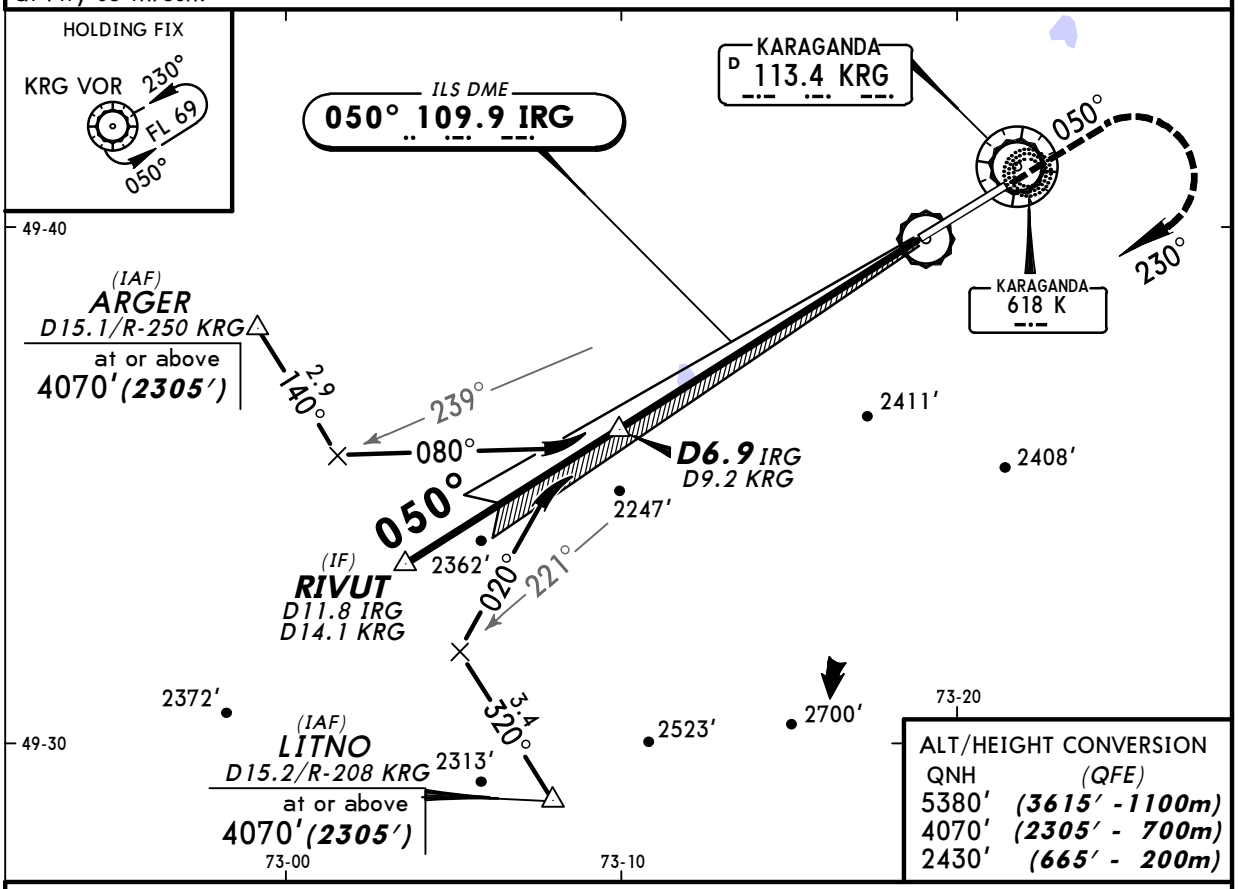
*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

LOC IRG	Final Apch Crs	GS D6.9 IRG	ILS DA(H)	Apt Elev 1765'
109.9	050°	4070' (2305')	1965' (200')	RWY 1765'

5000'
MSA KRG VOR

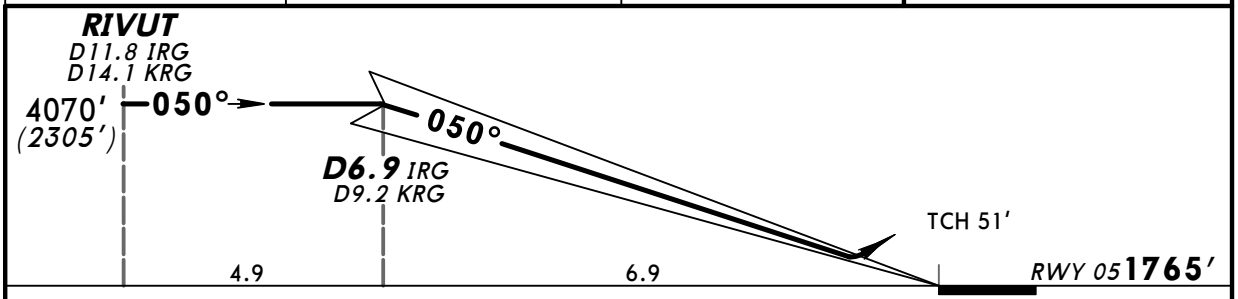
MISSED APCH: Climb on 050° to 2430' (665') or above, then turn RIGHT onto 230° climbing to 4070' (2305'), then as directed.
Do not turn before passing ABEAM VOR.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 5380' (3615')
1. RADAR required. 2. Heavy turbulence and windshear may be expected on final. 3. ILS DME reads zero at rwy 05 thresh.



ALT/HEIGHT CONVERSION

QNH	(QFE)
5380'	(3615' - 1100m)
4070'	(2305' - 700m)
2430'	(665' - 200m)



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

HIALS
PAPI
2430' (665') on or above
050°

STRAIGHT-IN LANDING RWY 05

	ILS DA(H) 1965' (200') FULL	ILS DA(H) 1965' (200') ALS out	LOC (GS out)
A	800m	1200m	NOT AUTHORIZED
B			
C			
D			

PANS OPS

CHANGES: MSA. Procedure.

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UAKK/KGF KARAGANDA

JEPPESEN 2 APR 10 (11-3) Eff 8 Apr

KARAGANDA, KAZAKHSTAN ILS DME X Rwy 05

BRIEFING STRIP ™

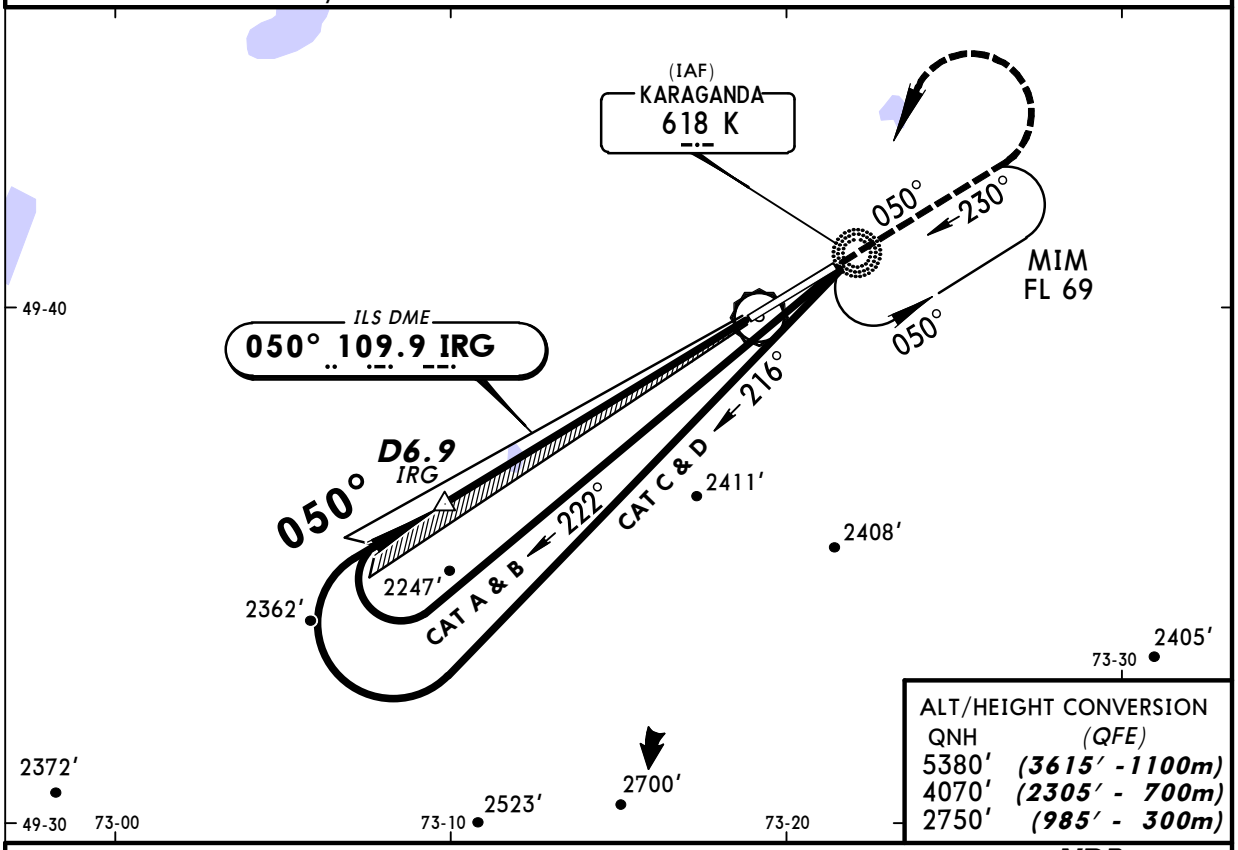
*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

LOC IRG	Final Apch Crs	GS D6.9 IRG	ILS DA(H)	Apt Elev 1765′
109.9	050°	4070′ (2305′)	1965′ (200′)	RWY 1765′

MISSED APCH: Climb on 050° to 2750′ (985′) or above. After passing NDB maintain 050° for 1½ Min, then turn LEFT (MAX 225 KT) to NDB. Climb initially to 4070′ (2305′), then as directed.
MISSED APCH WITH COMM FAILURE: Climb to FL 69 to NDB and join holding.

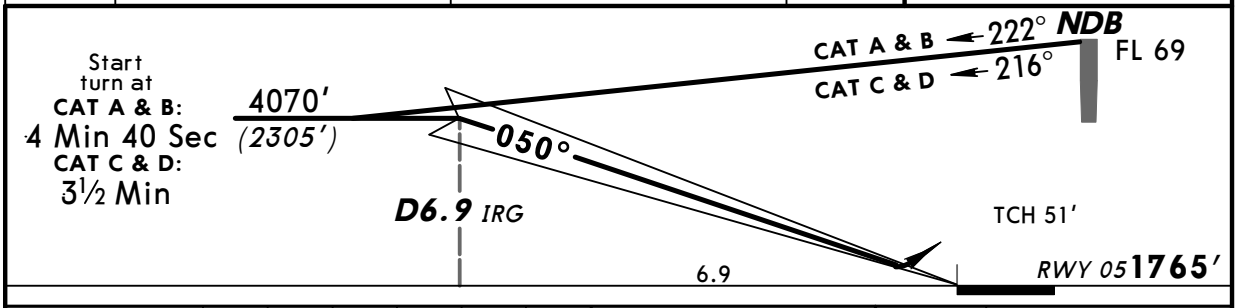
5000′
MSA K NDB

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 5380′ (3615′)
1. Initial apch restricted to MAX 195 KT. 2. Heavy turbulence and windshear may be expected on final.
3. ILS DME reads zero at rwy 05 thresh.



ALT/HEIGHT CONVERSION

QNH	(QFE)
5380′	(3615′ - 1100m)
4070′	(2305′ - 700m)
2750′	(985′ - 300m)



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

HIALS
PAPI
2750′ (985′) or above on 050°

STRAIGHT-IN LANDING RWY 05

ILS DA(H) 1965′ (200′) FULL	ILS DA(H) 1965′ (200′) ALS out	LOC (GS out)
800m	1200m	NOT AUTHORIZED

PANS OPS: A, B, C, D

CHANGES: MSA. Procedure.

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UAKK/KGF KARAGANDA

JEPPESEN 2 APR 10 (11-4) Eff 8 Apr

KARAGANDA, KAZAKHSTAN ILS DME Z Rwy 23

BRIEFING STRIP ™

*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

LOC IKA	Final Apch Crs	GS LOM	ILS DA(H)	Apt Elev 1765′
111.7	230°	2470′ (718′)	1952′ (200′)	RWY 1752′

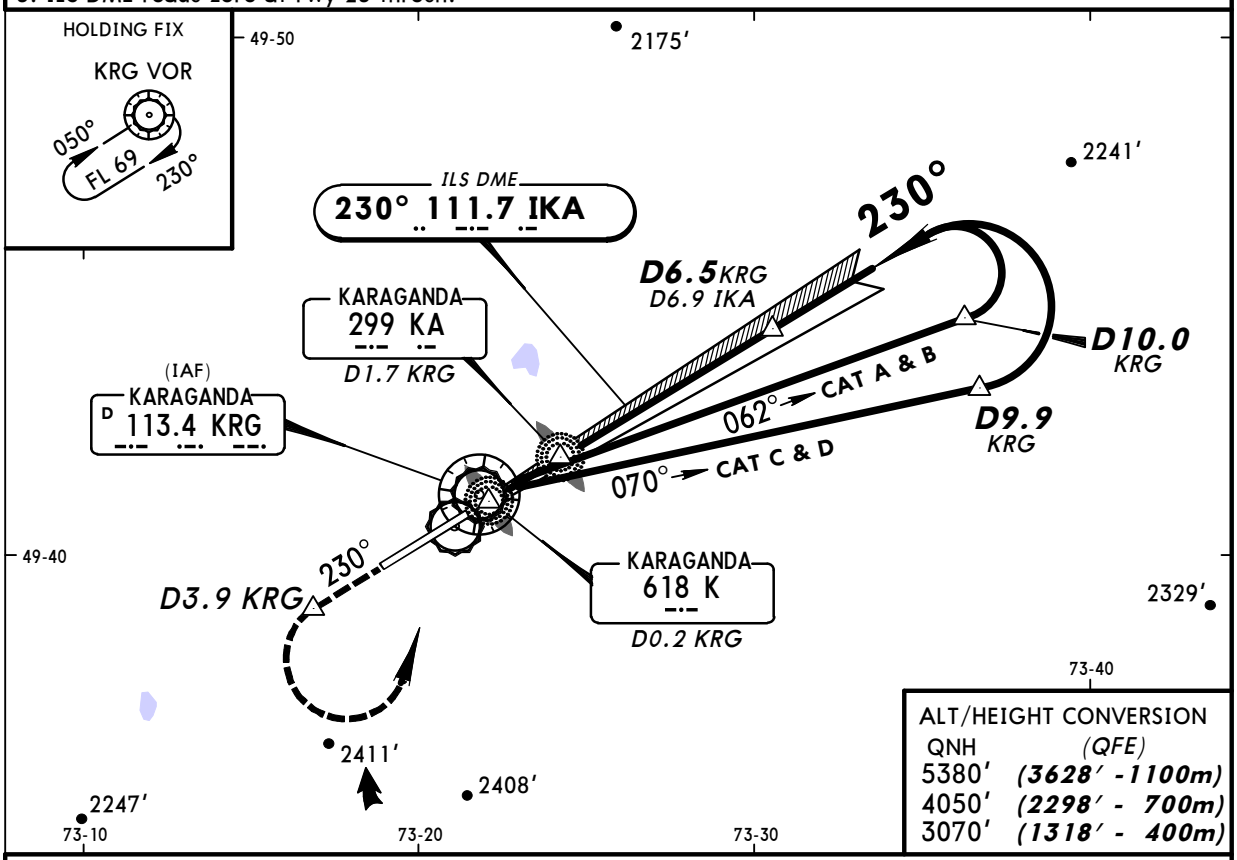
MISSED APCH: Climb on 230° to 3070′ (1318′) or above to D3.9 KRG, then turn LEFT (MAX 225 KT) to VOR. Climb initially to 4050′ (2298′), then as directed.

MISSED APCH WITH COMM FAILURE: Climb to FL 69 to VOR and join holding.

5000′
MSA KRG VOR

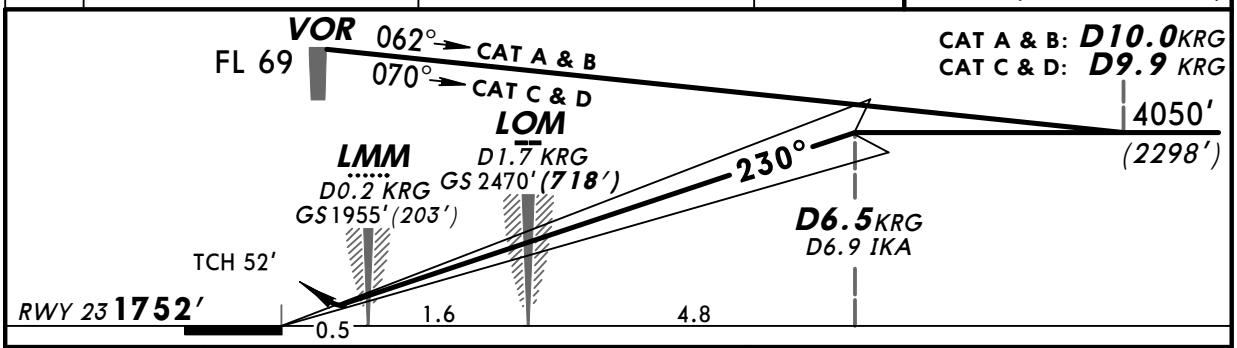
Alt Set: MM (hPa on req) QNH on req (**QFE**) Trans level: FL 69 Trans alt: 5380′ (3628′)

1. Initial apch restricted to MAX 195 KT. 2. Heavy turbulence and windshear may be expected on final.
3. ILS DME reads zero at rwy 23 thresh.



ALT/HEIGHT CONVERSION

QNH	(QFE)
5380′	(3628′ - 1100m)
4050′	(2298′ - 700m)
3070′	(1318′ - 400m)



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

HIALS PAPI | 3070′ (1318′) or above on 230° | D3.9 KRG

STRAIGHT-IN LANDING RWY 23

	ILS DA(H) 1952′ (200′) FULL	ILS DA(H) 1952′ (200′) ALS out	LOC (GS out)
PANS OPS A	800m	1200m	NOT AUTHORIZED
PANS OPS B			
PANS OPS C			
PANS OPS D			

CHANGES: MSA. Procedure.

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UAKK/KGF KARAGANDA

JEPPESEN 2 APR 10 (11-5) Eff 8 Apr

KARAGANDA, KAZAKHSTAN ILS DME Y Rwy 23

BRIEFING STRIP ™

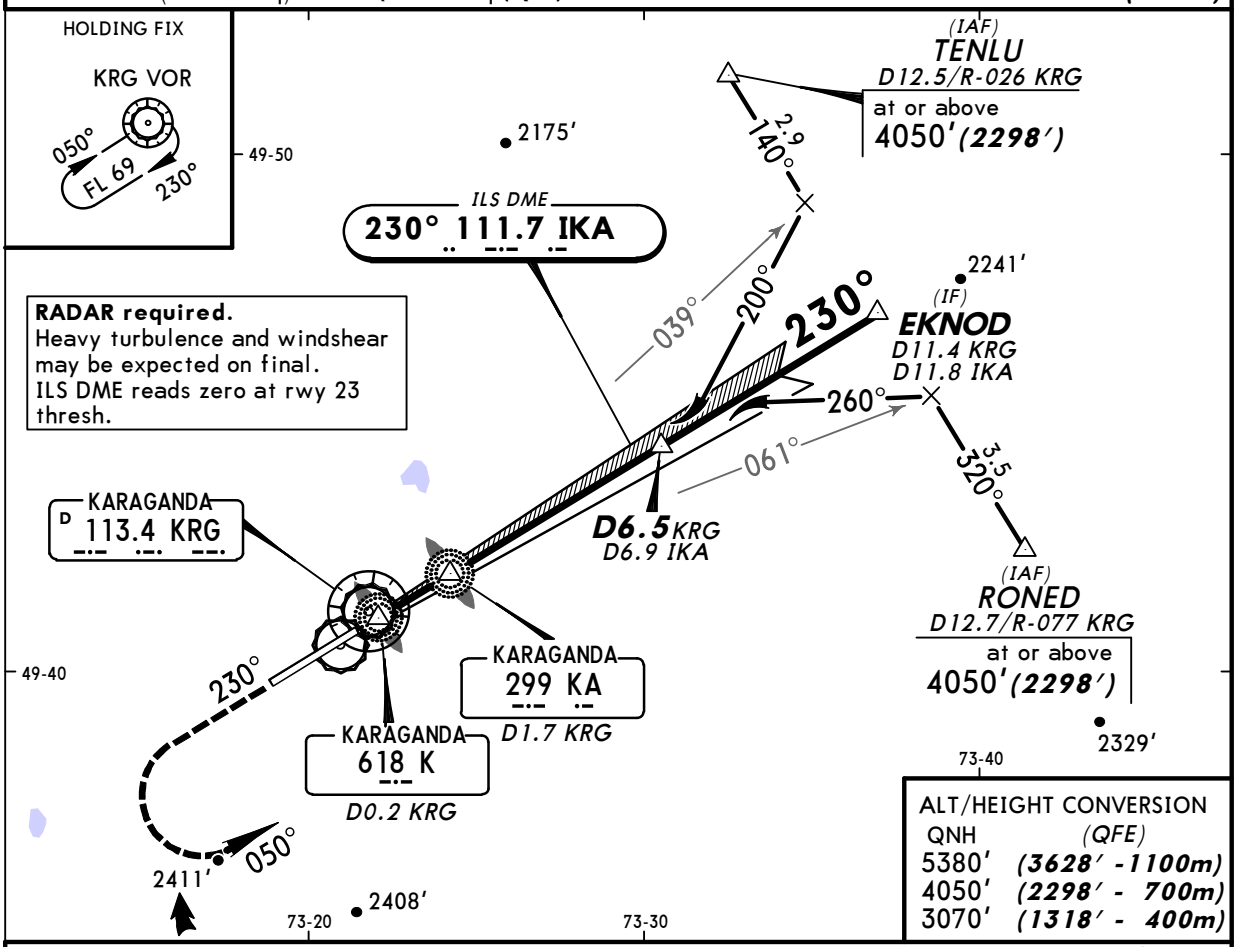
*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

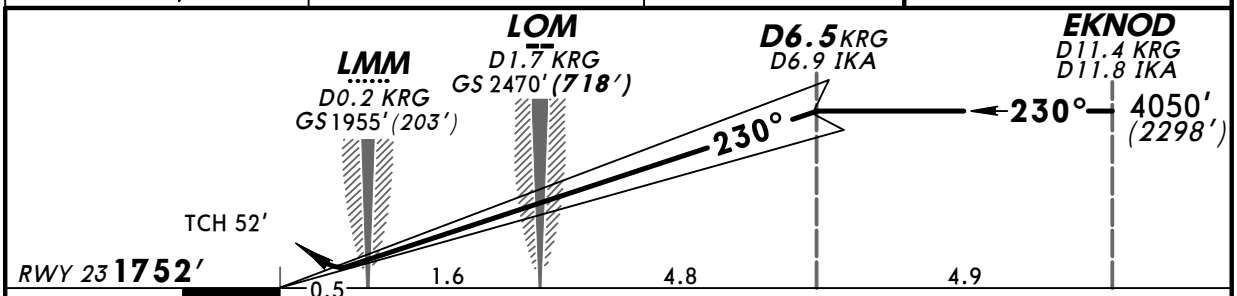
LOC IKA	Final Apch Crs	GS LOM	ILS DA(H)	Apt Elev 1765′
111.7	230°	2470′ (718′)	1952′ (200′)	RWY 1752′

MISSED APCH: Climb on 230° to 3070′ (1318′), then turn LEFT onto 050° climbing to 4050′ (2298′), then as directed.

5000′ MSA KRG VOR

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 5380′ (3628′)





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

HIALS PAPI 3070′ (1318′) on 230° 050° LT 4050′ (2298′)

STRAIGHT-IN LANDING RWY 23

ILS DA(H) 1952′ (200′) FULL	ILS DA(H) 1952′ (200′) ALS out	LOC (GS out)
800m	1200m	NOT AUTHORIZED

PANS OPS A B C D

CHANGES: MSA. Procedure.

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UAKK/KGF KARAGANDA

JEPPESEN 2 APR 10 (11-6) Eff 8 Apr

KARAGANDA, KAZAKHSTAN ILS DME X Rwy 23

BRIEFING STRIP TM

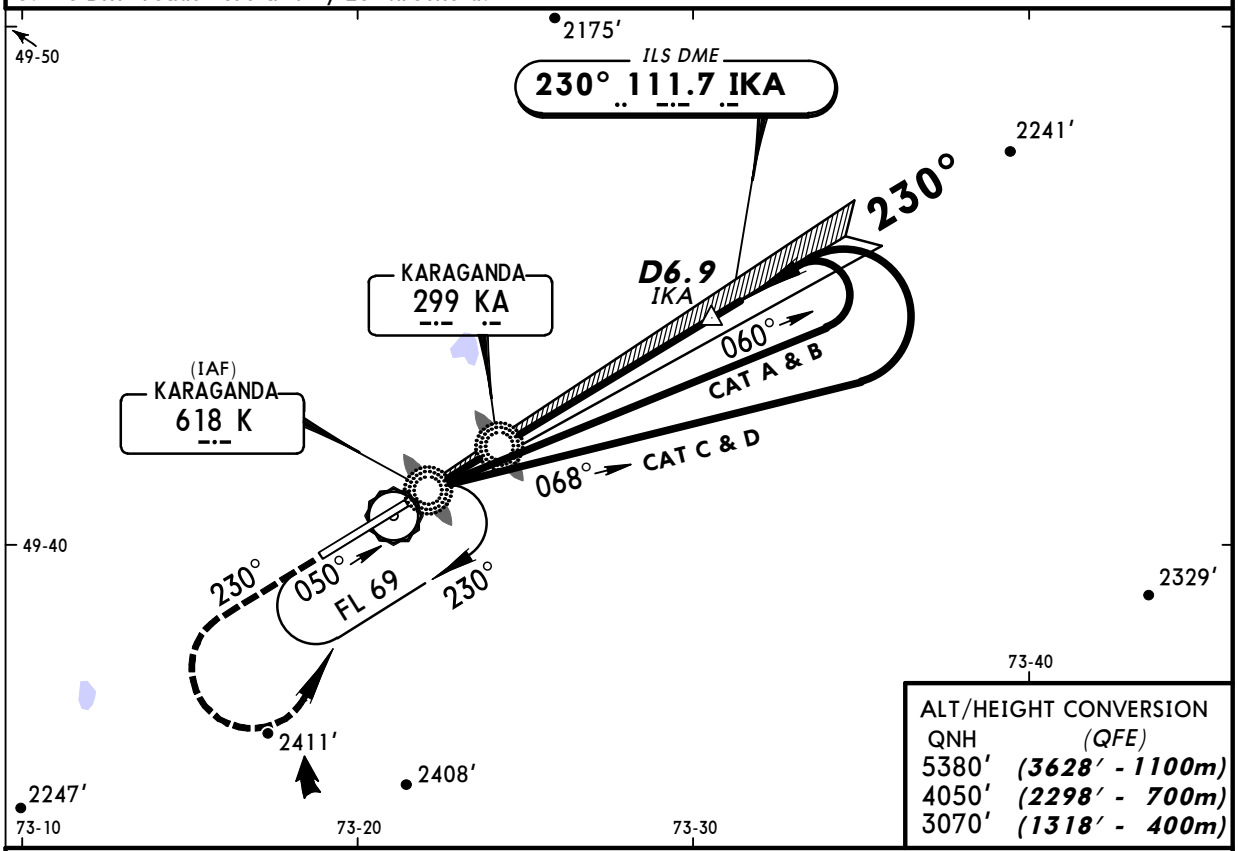
*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

LOC IKA	Final Apch Crs	GS LOM	ILS DA(H)	Apt Elev 1765'
111.7	230°	2470' (718')	1952' (200')	RWY 1752'

MISSED APCH: Climb on 230° to 3070' (1318') or above. After passing K NDB maintain 230° for 1 Min, then turn LEFT (MAX 225 KT) to K NDB. Climb initially to 4050' (2298'), then as directed.
MISSED APCH WITH COMM FAILURE: Climb to FL 69 to K NDB and join holding.

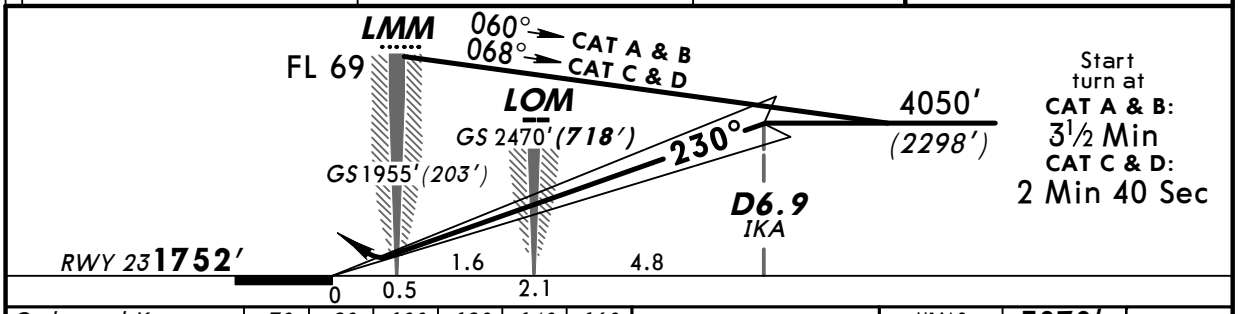
5000'
MSA K NDB

Alt Set: MM (hPa on req) QNH on req (**QFE**) Trans level: FL 69 Trans alt: 5380' (3628')
1. Initial apch restricted to MAX 195 KT. 2. Heavy turbulence and windshear may be expected on final.
3. ILS DME reads zero at rwy 23 threshold.



ALT/HEIGHT CONVERSION

QNH	(QFE)
5380'	(3628' - 1100m)
4050'	(2298' - 700m)
3070'	(1318' - 400m)



Start turn at
CAT A & B: 3½ Min
CAT C & D: 2 Min 40 Sec

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

HIALS
PAPI

3070' (1318') or above on 230°

STRAIGHT-IN LANDING RWY 23

	ILS DA(H) 1952' (200') FULL	ILS DA(H) 1952' (200') ALS out	LOC (GS out)
A	800m	1200m	NOT AUTHORIZED
B			
C			
D			

PANS OPS

CHANGES: New procedure.

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UAKK/KGF KARAGANDA

JEPPESEN 2 APR 10 (13-1) Eff 8 Apr

KARAGANDA, KAZAKHSTAN VOR DME Rwy 05

BRIEFING STRIP ™

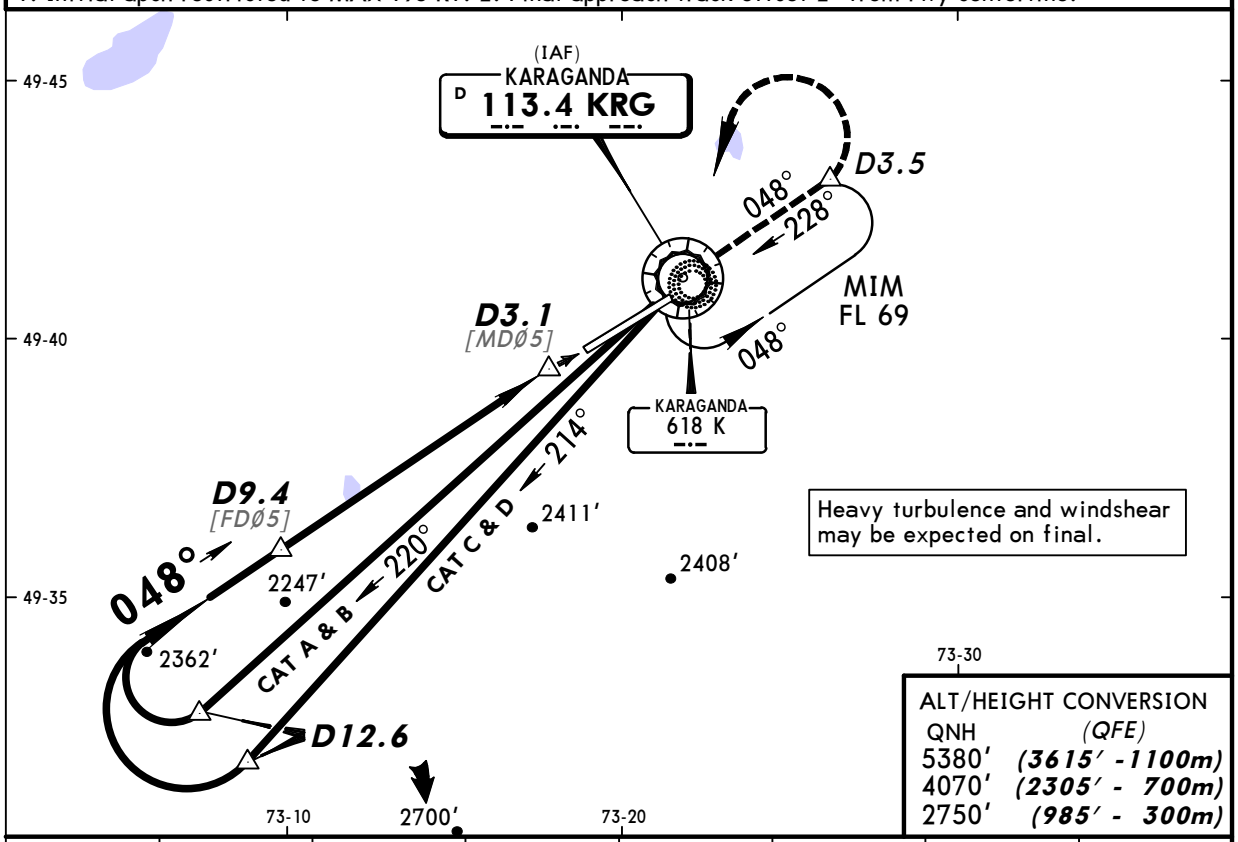
*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

VOR	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev 1765'
KRG 113.4	048°	D9.4 4070'(2305')	Refer to Minimums	RWY 1765'

MISSED APCH: Climb on 048° to 2750' (985') or above to D3.5, then turn LEFT (MAX 225 KT) to VOR. Climb initially to 4070' (2305'), then as directed.
MISSED APCH WITH COMM FAILURE: Climb to FL 69 to VOR and join holding.

5000'
MSA KRG VOR

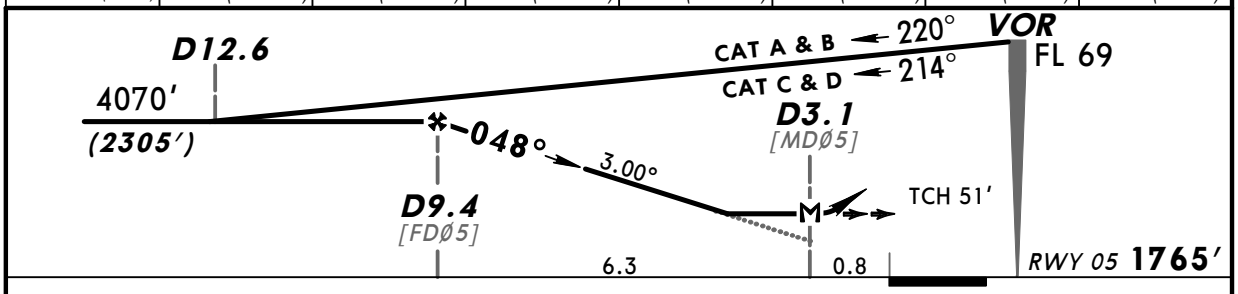
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 5380' (3615')
1. Initial apch restricted to MAX 195 KT. 2. Final approach track offset 2° from rwy centerline.



ALT/HEIGHT CONVERSION

QNH	(QFE)
5380'	(3615' - 1100m)
4070'	(2305' - 700m)
2750'	(985' - 300m)

KRG DME	9.4	9.0	8.0	7.0	6.0	5.0	4.0
ALTITUDE (HAT)	4070' (2305')	3940' (2175')	3620' (1855')	3320' (1555')	2940' (1175')	2680' (915')	2350' (585')



Gnd speed-Kts		70	90	100	120	140	160
Descent angle	3.00°	372	478	531	637	743	849
MAP at D3.1							

HIALS
PAPI

2750' (985') or above on 048° D3.5

STRAIGHT-IN LANDING RWY 05

MDA(H) AB: 2430' (665')
CD: 2750' (985')

ALS out

PANS OPS

A	2500m
B	
C	5000m
D	

CHANGES: MSA. Procedure.

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UAKK/KGF KARAGANDA

JEPPESEN 2 APR 10 (13-2) Eff 8 Apr

KARAGANDA, KAZAKHSTAN VOR DME Rwy 23

BRIEFING STRIP ™

*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

VOR	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev 1765′
KRG 113.4	240°	D6.7 4050′(2298′)	Refer to Minimums	RWY 1752′

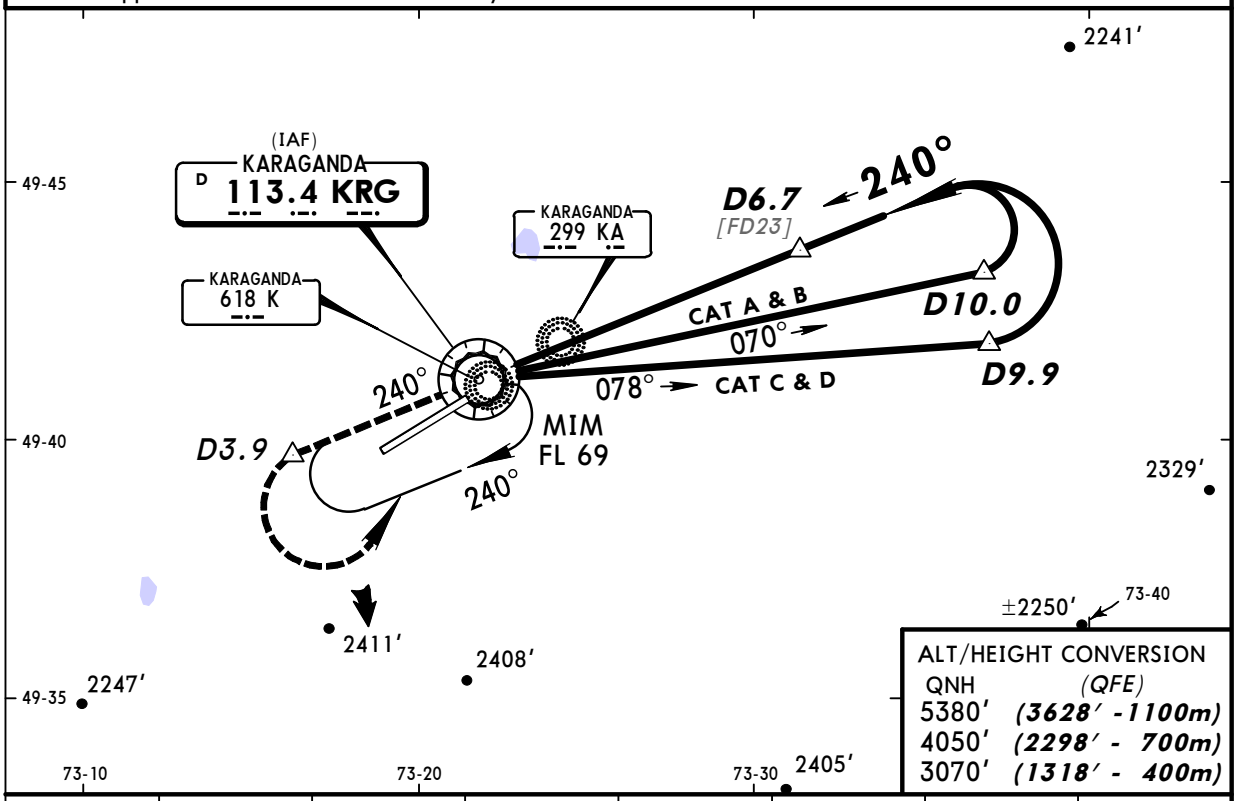
5000′ MSA KRG VOR

MISSED APCH: Climb on 240° to 3070′ (1318′) or above to D3.9, then turn LEFT (MAX 225 KT) to VOR. Climb initially to 4050′ (2298′), then as directed.

MISSED APCH WITH COMM FAILURE: Climb to FL 69 to VOR and join holding.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 5380′ (3628′)

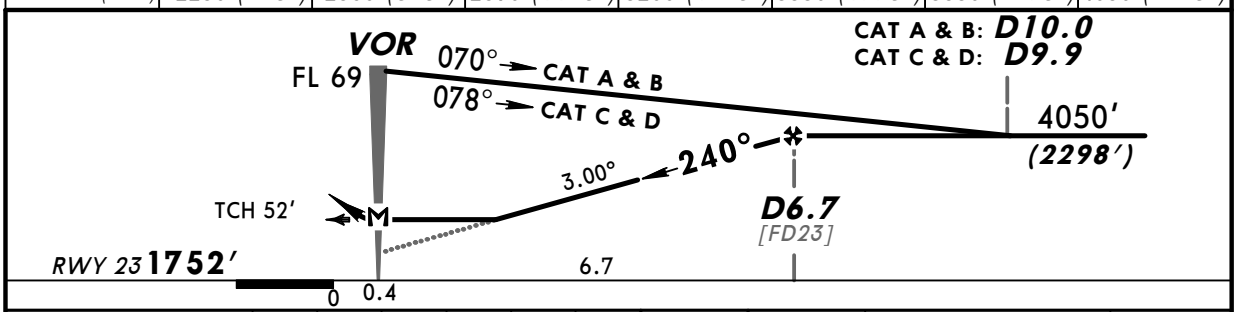
1. Initial apch restricted to MAX 195 KT.2. Heavy turbulence and windshear may be expected on final.
3. Final approach track offset 10° from rwy centerline.



ALT/HEIGHT CONVERSION

QNH	(QFE)
5380′	(3628′ -1100m)
4050′	(2298′ - 700m)
3070′	(1318′ - 400m)

KRG DME	1.0	2.0	3.0	4.0	5.0	6.0	6.7
ALTITUDE (HAT)	2250′ (498′)	2560′ (808′)	2890′ (1138′)	3200′ (1448′)	3530′ (1778′)	3830′ (2078′)	4050′ (2298′)



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

HIALS PAPI 3070′ (1318′) or above on 240° D3.9

STRAIGHT-IN LANDING RWY 23

MDA(H) AB: 2410′ (658′)
CD: 2740′ (988′)

ALS out

PANS OPS

A	2500m
B	
C	5000m
D	

CHANGES: MSA. Procedure.

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UAKK/KGF KARAGANDA

JEPPESEN 16 JUL 10 (16-1) Eff 29 Jul

KARAGANDA, KAZAKHSTAN 2 NDB Rwy 05

BRIEFING STRIP TM

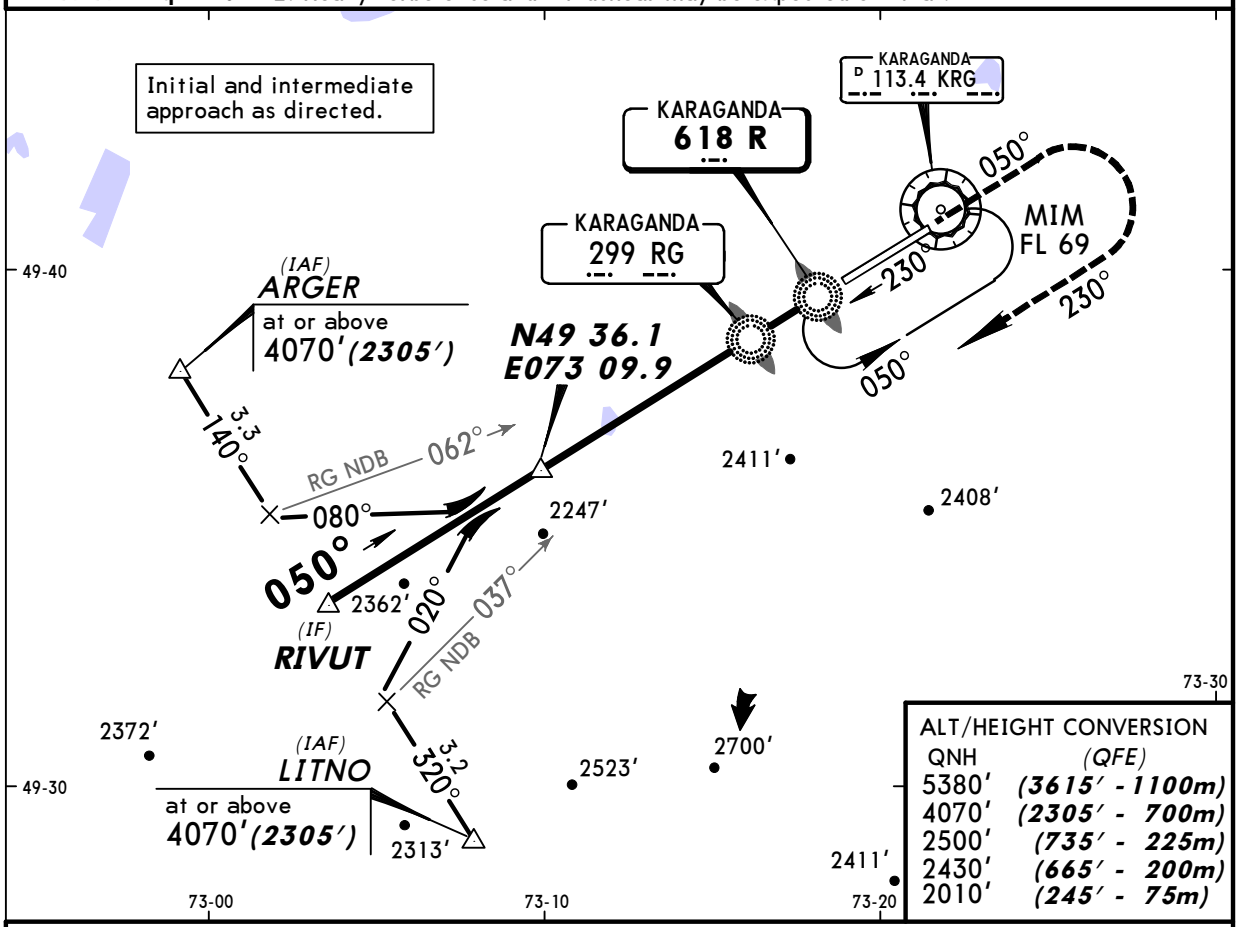
*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

Lctr	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev 1765'
R 618	050°	N49 36.1 E073 09.9 4070'(2305')	2110'(345')	RWY 1765'

5000' MSA R Lctr

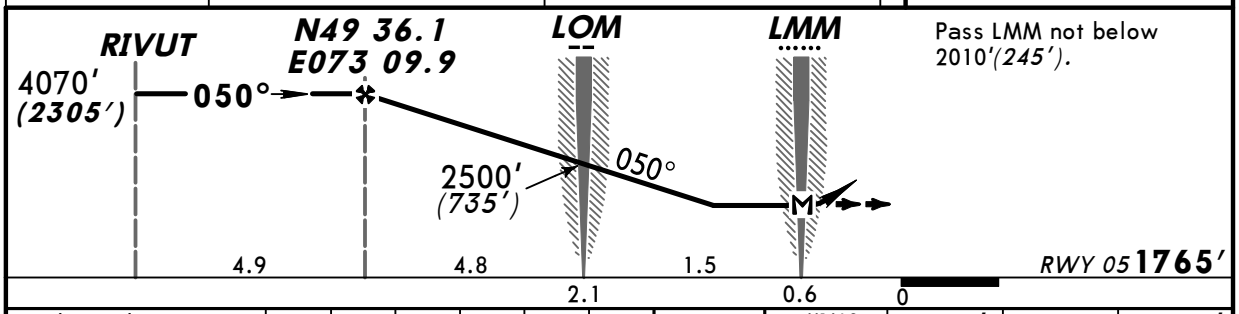
MISSED APCH: Climb to 2430'(665'), then turn RIGHT onto 230° climbing to 4070'(2305'), then as directed.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 5380' (3615')
1. RADAR required. 2. Heavy turbulence and windshear may be expected on final.



ALT/HEIGHT CONVERSION

QNH	(QFE)
5380'	(3615' - 1100m)
4070'	(2305' - 700m)
2500'	(735' - 225m)
2430'	(665' - 200m)
2010'	(245' - 75m)



Pass LMM not below 2010'(245').

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

HIALS PAPI

2430' (665') | 230° RT | 4070' (2305')

STRAIGHT-IN LANDING RWY 05

MDA(H) 2110'(345')

		ALS out
A	1500m	RVR 1500m VIS 1600m
B		
C		
D	RVR 1500m VIS 1600m	

PANS OPS

CHANGES: New procedure.

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UAKK/KGF KARAGANDA

JEPPESEN 16 JUL 10 (16-2) Eff 29 Jul

KARAGANDA, KAZAKHSTAN NDB Rwy 05

BRIEFING STRIP TM

*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

NDB	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev 1765′
K 618	050°	No FAF	Refer to Minimums	RWY 1765′

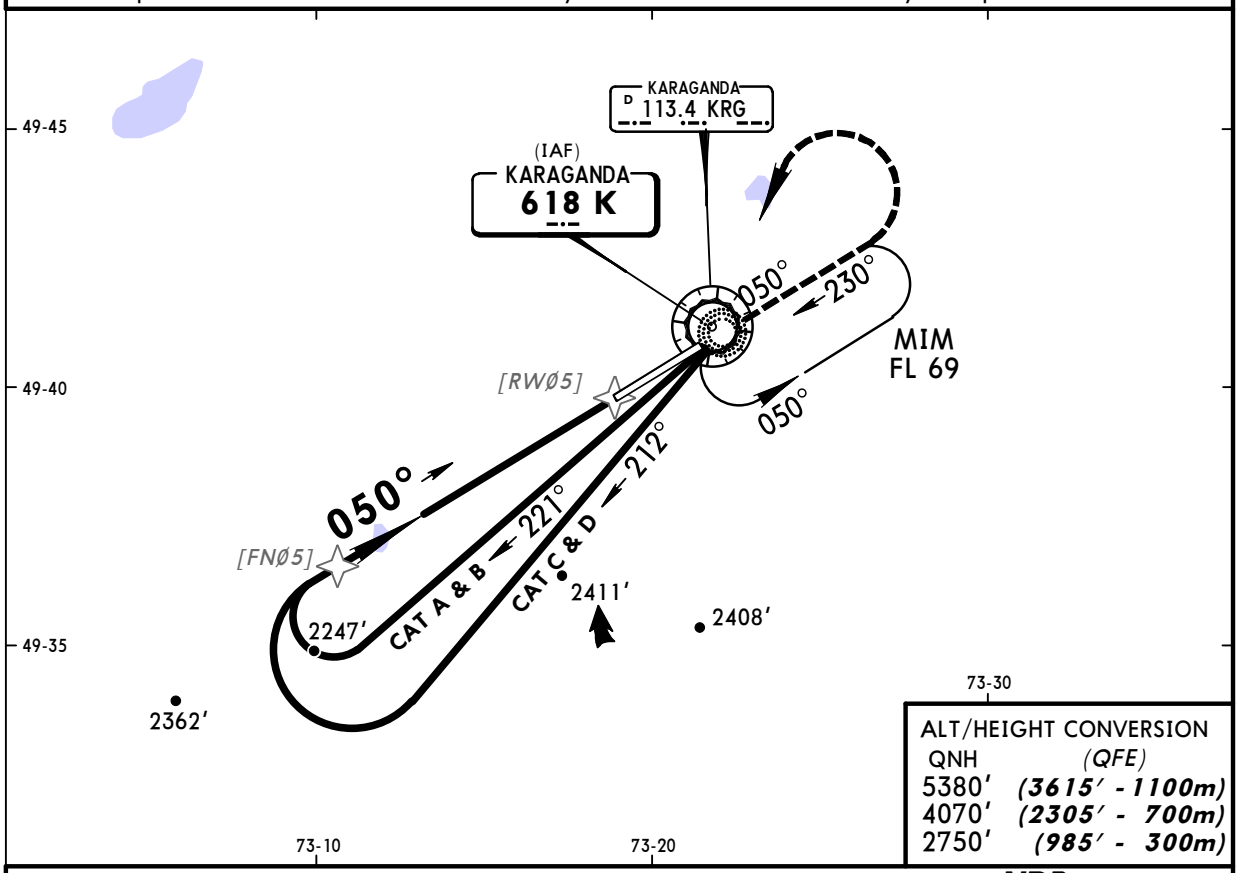
MISSED APCH: Climb on 050° to 2750′(985′) or above. After passing NDB maintain 050° for 1½ Min, then turn LEFT (MAX 225 KT) to NDB. Climb initially to 4070′ (2305′), then as directed.

MISSED APCH WITH COMM FAILURE: Climb to FL 69 to NDB and join holding.

5000′ MSA K NDB

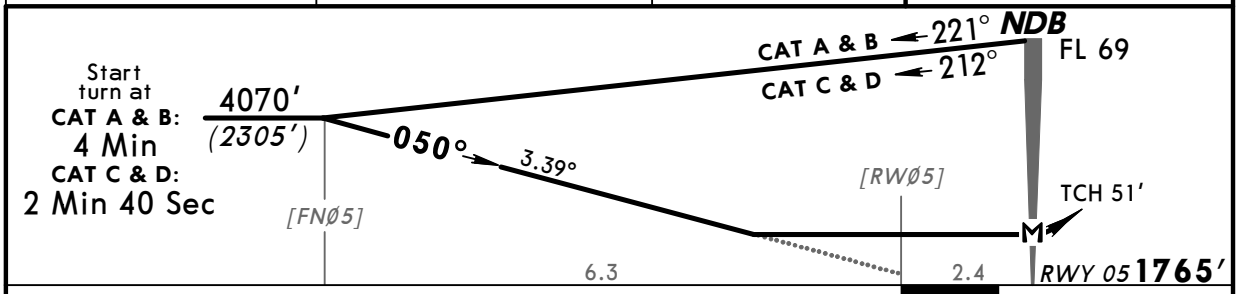
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 5380′ (3615′)

1. Initial apch restricted to MAX 195 KT. 2. Heavy turbulence and windshear may be expected on final.



ALT/HEIGHT CONVERSION

QNH	(QFE)
5380′	(3615′ - 1100m)
4070′	(2305′ - 700m)
2750′	(985′ - 300m)



Gnd speed-Kts		70	90	100	120	140	160
Descent angle	3.39°	420	540	600	720	840	960
MAP at NDB							

HIALS PAPI 2750′ (985′) or above on 050°

STRAIGHT-IN LANDING RWY 05

MDA(H) AB: 2640′(875′)
CD: 2750′(985′)

ALS out

PANS OPS

A	3000m
B	
C	5000m
D	

CHANGES: Chart reinexed.

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UAKK/KGF KARAGANDA

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

KARAGANDA, KAZAKHSTAN 2 NDB Rwy 23

BRIEFING STRIP

*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

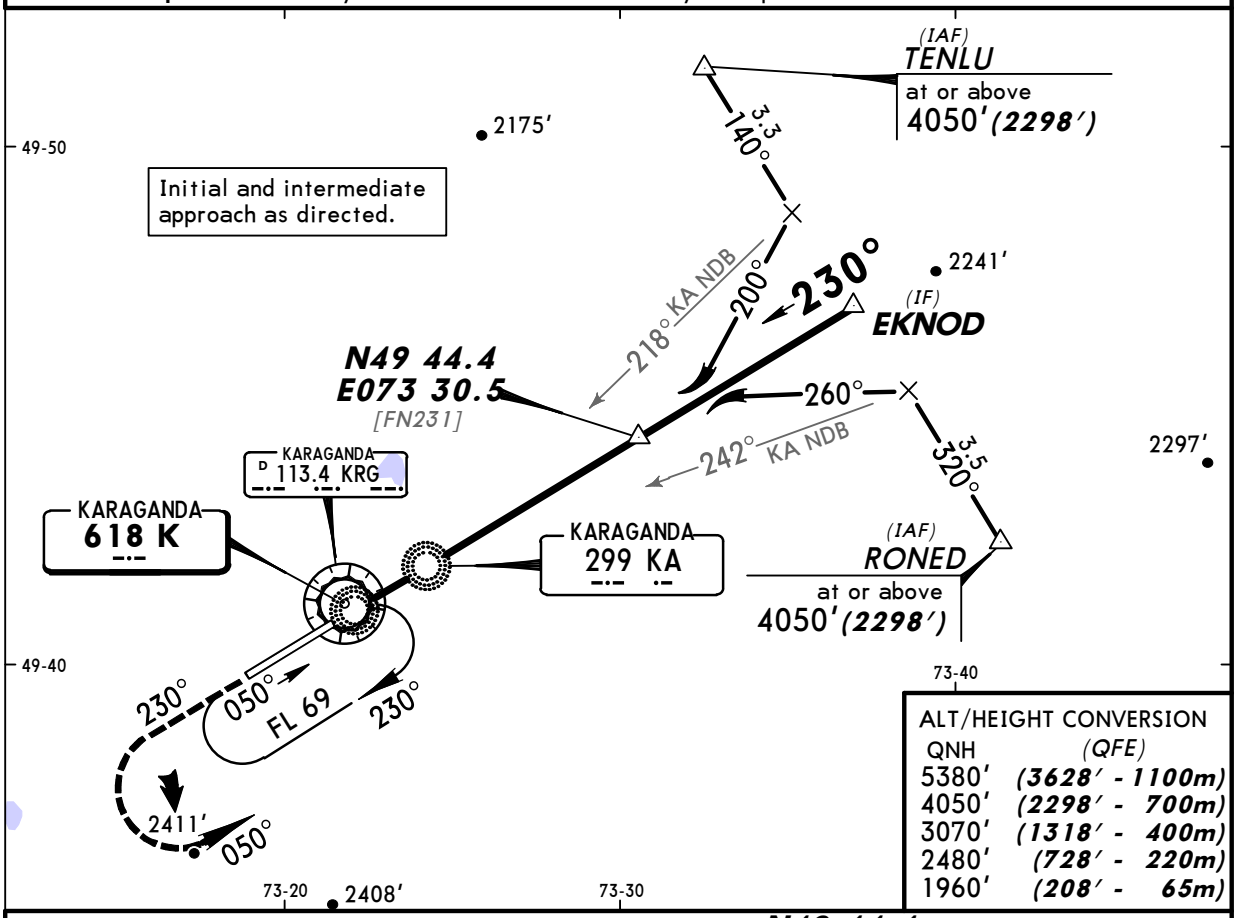
NDB	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev 1765′
K 618	230°	N49 44.4 E073 30.5 4050′(2298′)	2090′(338′)	RWY 1752′

MISSED APCH: Climb on 230° to 3070′ (1318′), then turn LEFT onto 050° climbing to 4050′ (2298′), then as directed.

5000′ MSA K NDB

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 5380′ (3628′)

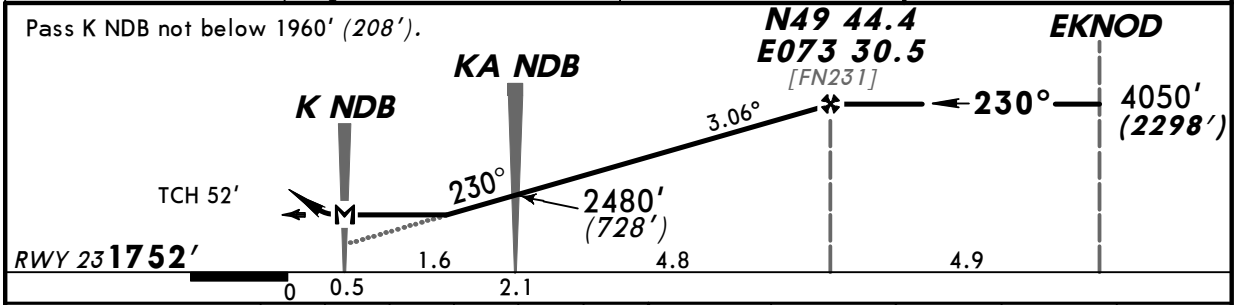
1. RADAR required. 2. Heavy turbulence and windshear may be expected on final.



ALT/HEIGHT CONVERSION

QNH	(QFE)
5380′	(3628′ - 1100m)
4050′	(2298′ - 700m)
3070′	(1318′ - 400m)
2480′	(728′ - 220m)
1960′	(208′ - 65m)

Pass K NDB not below 1960′ (208′).



Gnd speed-Kts		70	90	100	120	140	160
Descent angle	3.06°	379	487	541	650	758	866
MAP at K NDB							

HIALS PAPI

3070′ (1318′) on 230° | 050° LT | 4050′ (2298′)

STRAIGHT-IN LANDING RWY 23

MDA(H) 2090′(338′)

ALS out

PANS OPS

A	1500m	RVR 1500m VIS 1600m
B		
C		
D	RVR 1500m VIS 1600m	

CHANGES: Chart reindexed. Descent angle.

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UAKK/KGF KARAGANDA

JEPPESEN 16 JUL 10 (16-4) Eff 29 Jul

KARAGANDA, KAZAKHSTAN NDB Rwy 23

BRIEFING STRIP ™

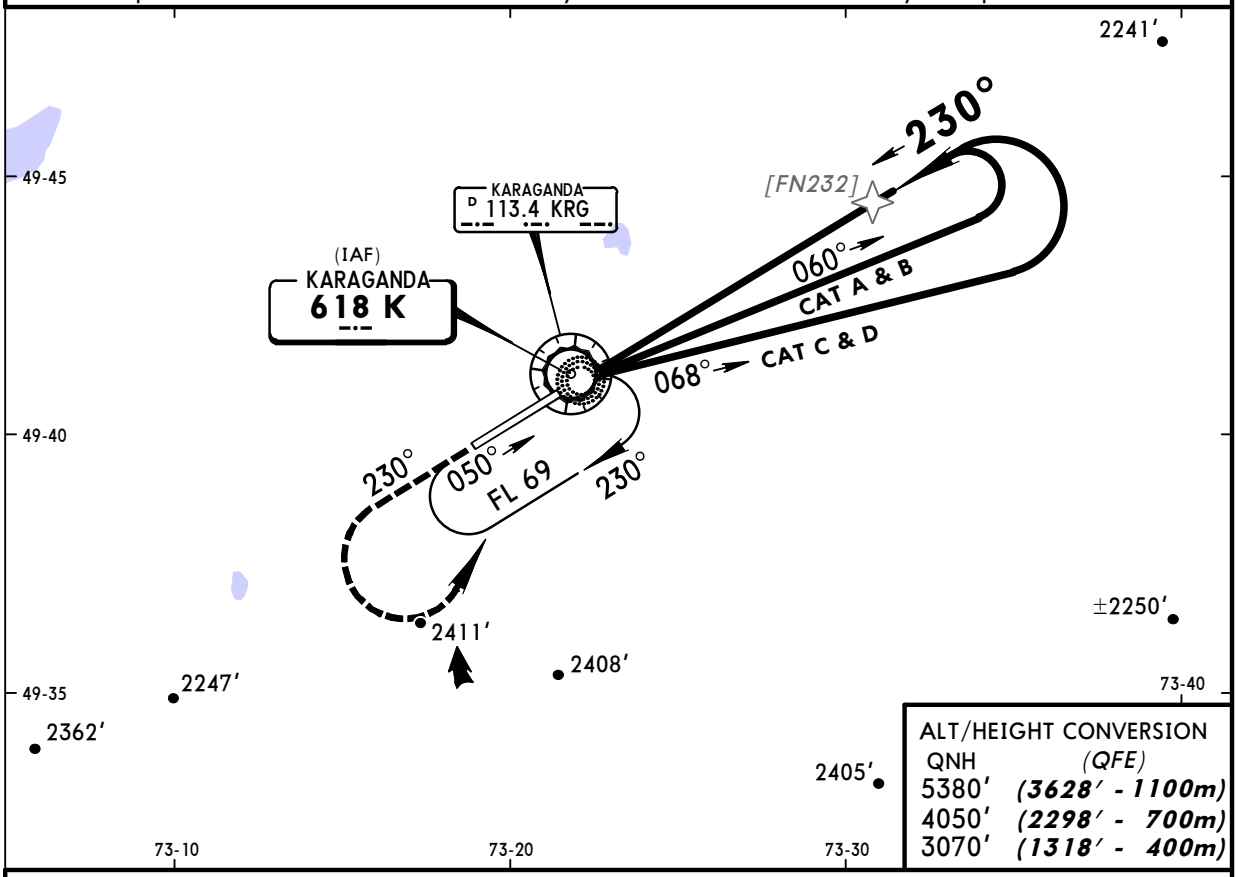
*KARAGANDA Approach	*KARAGANDA Tower	*Ground
122.0	118.3	118.3

NDB	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev 1765′
K 618	230°	No FAF	Refer to Minimums	RWY 1752′

MISSED APCH: Climb on 230° to 3070′ *(1318′)* or above. After passing NDB maintain 230° for 1½ Min, then turn LEFT (MAX 225 KT) to NDB. Climb initially to 4050′ *(2298′)*, then as directed.
MISSED APCH WITH COMM FAILURE: Climb to FL 69 to NDB and join holding.

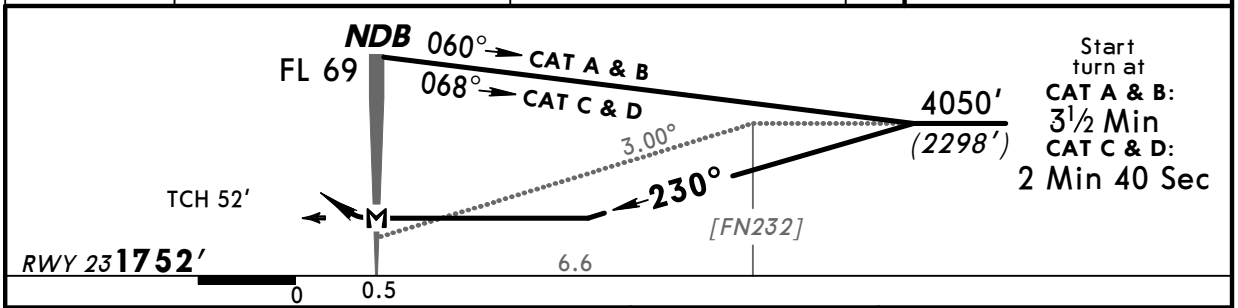
5000′
MSA K NDB

Alt Set: MM (hPa on req) QNH on req **(QFE)** Trans level: FL 69 Trans alt: 5380′ ***(3628′)***
1. Initial apch restricted to MAX 195 KT. 2. Heavy turbulence and windshear may be expected on final.



ALT/HEIGHT CONVERSION

QNH	(QFE)
5380′	***(3628′ - 1100m)***
4050′	***(2298′ - 700m)***
3070′	***(1318′ - 400m)***



Start turn at
CAT A & B: 3½ Min
CAT C & D: 2 Min 40 Sec

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

HIALS
PAPI

3070′ *(1318′)* or above on 230°

STRAIGHT-IN LANDING RWY **23**

MDA(H) AB: 2530′ ***(778′)***
CD: 2740′ ***(988′)***

ALS out

PANS OPS

A	3000m
B	
C	5000m
D	

CHANGES: Chart reindexed. Descent angle.

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