

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

No revision activity since Disc 10-2010

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

UAKK/KGF KARAGANDA

JEPPESEN KARAGANDA, KAZAKHSTAN
2 APR 10 **(10-1R)** Eff 8 Apr **RADAR MINIMUM ALTITUDES**

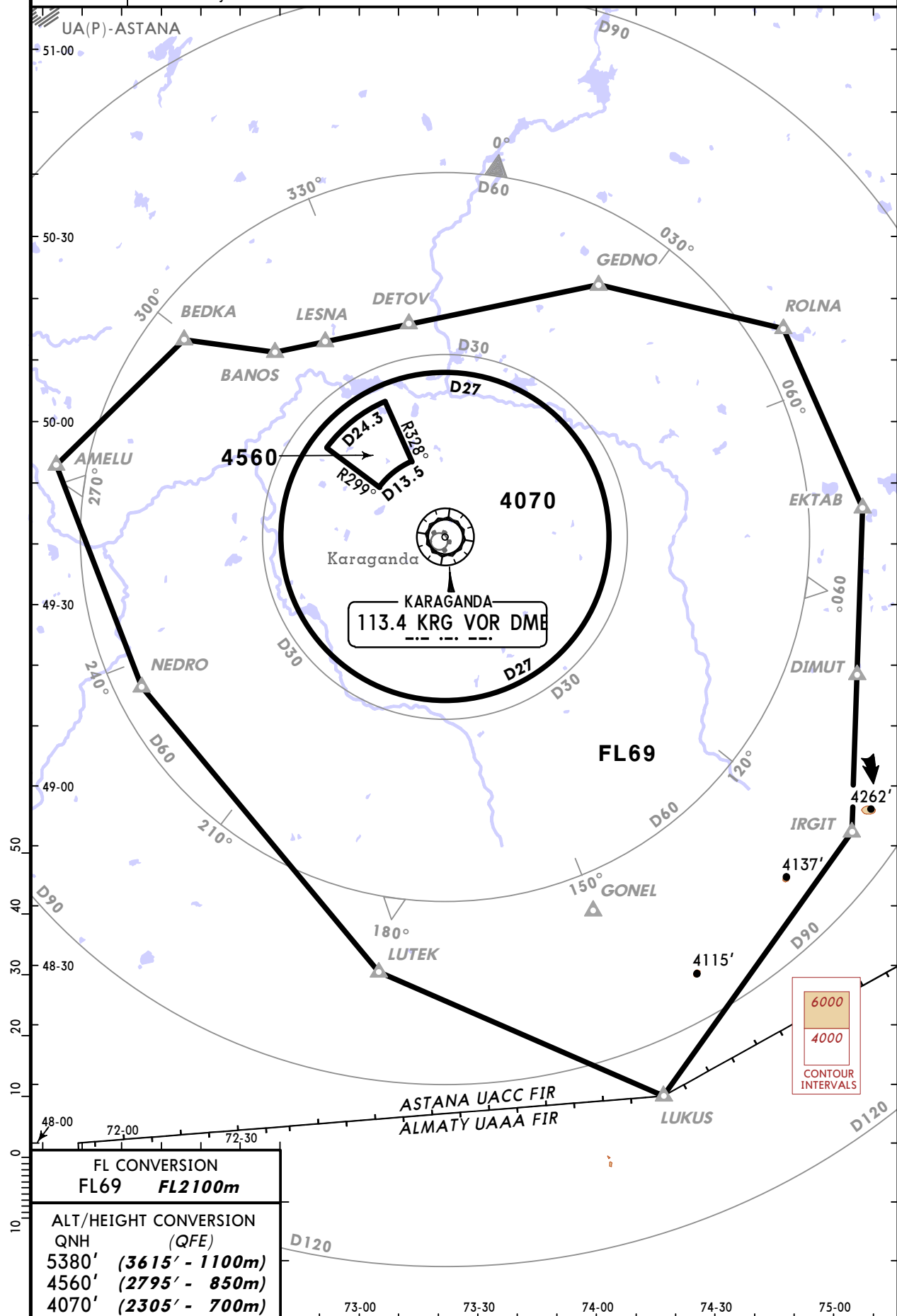
Apt Elev
1765'

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.



UAKK/KGF
KARAGANDA

2 APR 10

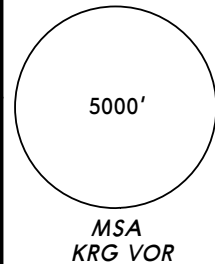
10-2

Eff 8 Apr

STAR

Apt Elev
1765'

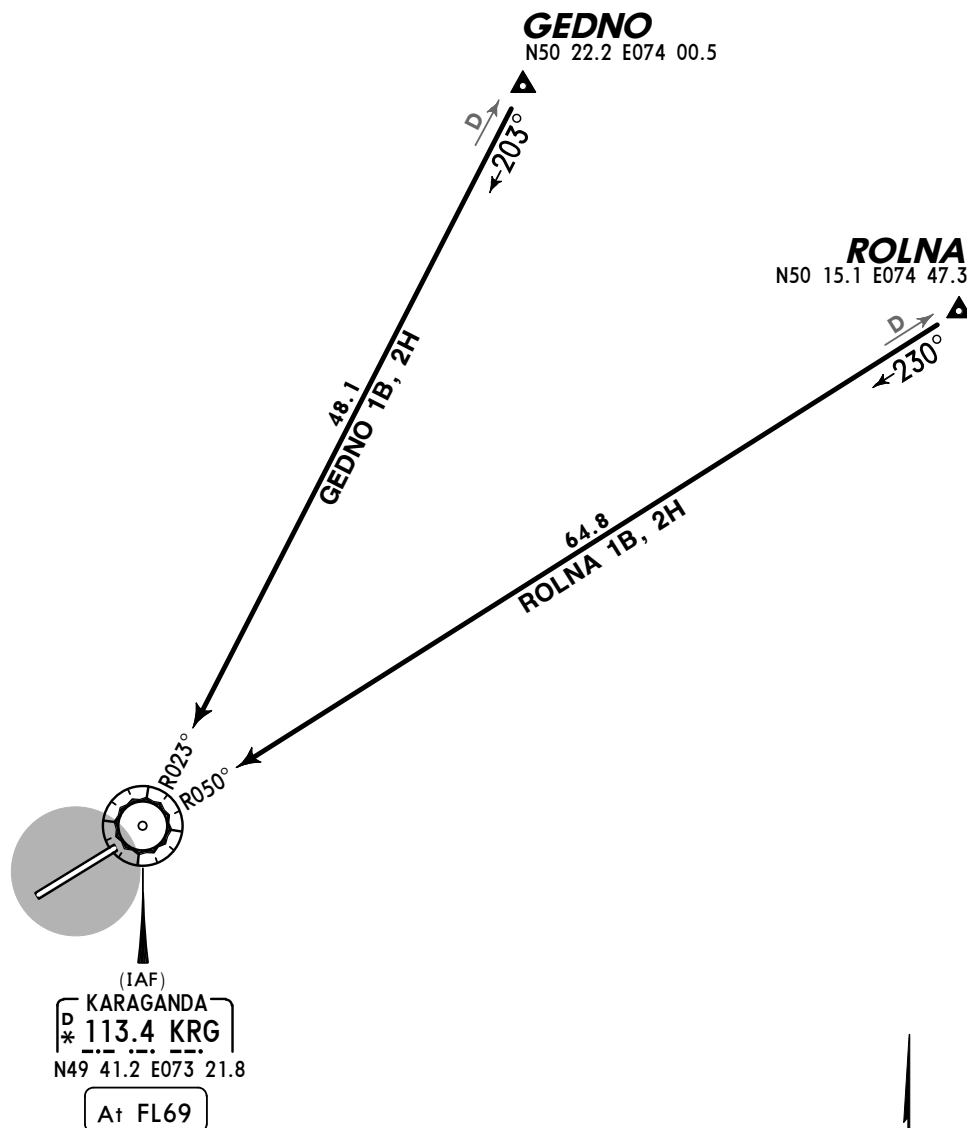
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69 Trans alt: 5380' (3615')
Crossing altitudes at airway exit points by ATC.



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

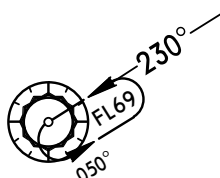
GEDNO 2H [GEDN2H], ROLNA 2H [ROLN2H]
RWY 23 ARRIVALS

FROM NORTHEAST
BASED ON KRG

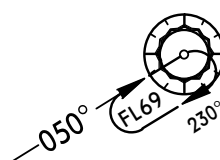


HOLDINGS OVER KRG

Runway 05



Runway 23



FL CONVERSION
FL69 **FL2100m**

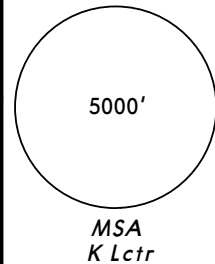
ALT/HEIGHT CONVERSION
QNH (QFE)
5380' (3615' - 1100m)

UAKK/KGF
KARAGANDA

JEPPESEN KARAGANDA, KAZAKHSTAN
2 APR 10 **10-2A** **Eff 8 Apr** **STAR**

Apt Elev
1765'

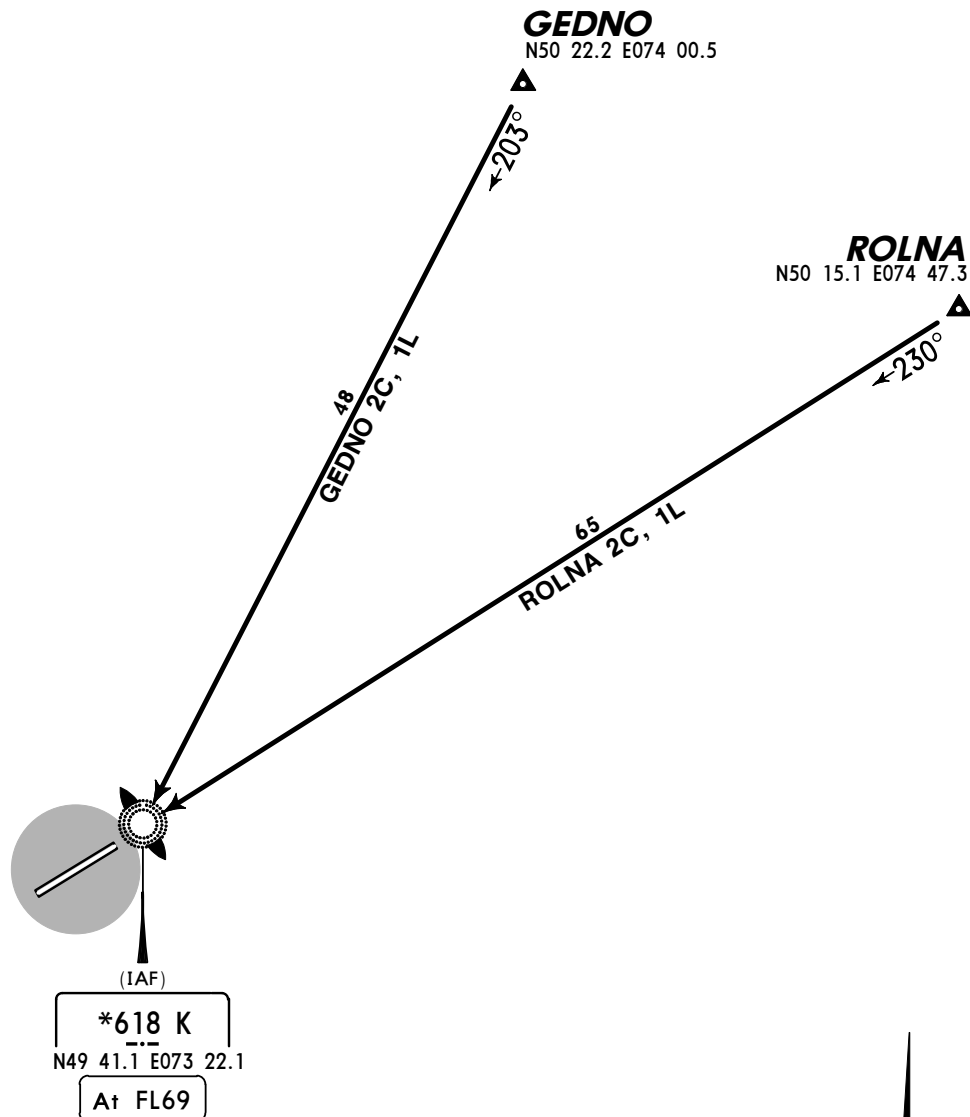
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69 Trans alt: 5380' **(3615')**
Crossing altitudes at airway exit points by ATC.



GEDNO 2C [GEDN2C], ROLNA 2C [ROLN2C]
RWY 05 ARRIVALS

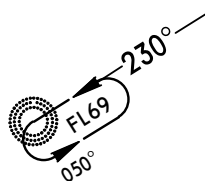
GEDNO 1L [GEDN1L], ROLNA 1L [ROLN1L]
RWY 23 ARRIVALS

FROM NORTHEAST
BASED ON K

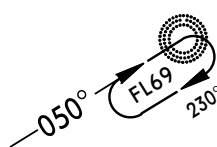


HOLDINGS OVER K

Runway 05



Runway 23



FL CONVERSION
FL69 FL2100m

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

UAKK/KGF
KARAGANDA

2 APR 10

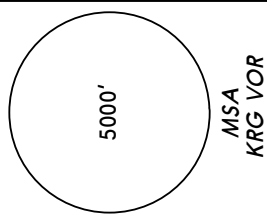
10-2B

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.



MSA
KRG VOR

DIMUT 2B [DIMU2B], EKTAB 1B [EKTA1B]

GONEL 2B [GONE2B]

RWY 05 ARRIVALS

DIMUT 2H [DIMU2H], EKTAB 2H [EKTA2H]

GONEL 2H [GONE2H]

RWY 23 ARRIVALS

FROM EAST & SOUTHEAST
BASED ON KRG

EKTAB
N49 45.9 E075 07.3

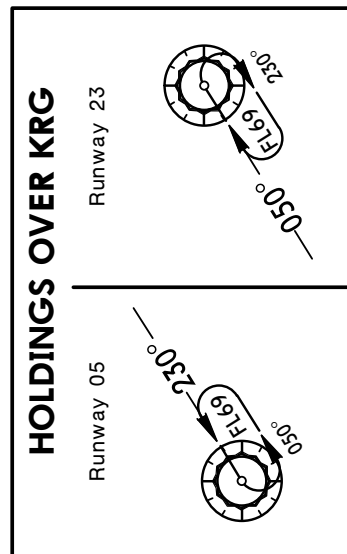
D
← 259°

68.6
EKTAB 1B, 2H

DIMUT
N49 18.5
E075 05.9

D
← 287°

71.5
DIMUT 2B, 2H



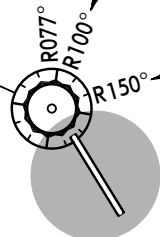
HOLDINGS OVER KRG

Runway 23

Runway 05

(IAF)
KARAGANDA
* 113.4 KRG
N49 41.2 E073 21.8

A+ FL69

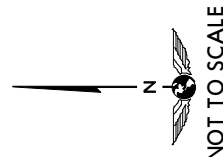


R077°
R100°
R150°

66.7
GONEL 2B, 2H

D
← 330°

GONEL
N48 39.2 E073 59.2



FL CONVERSION
FL69 FL2100m

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

UAKK/KGF
KARAGANDA

2 APR 10

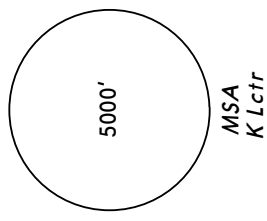
10-2C

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.



DIMUT 2C [DIMU2C], EKTAB 2C [EKTA2C]

GONEL 2C [GONE2C]

RWY 05 ARRIVALS

DIMUT 1L [DIMU1L], EKTAB 1L [EKTA1L]

GONEL 1L [GONE1L]

RWY 23 ARRIVALS

**FROM EAST & SOUTHEAST
BASED ON K**

EKTAB
N49 45.9 E075 07.3

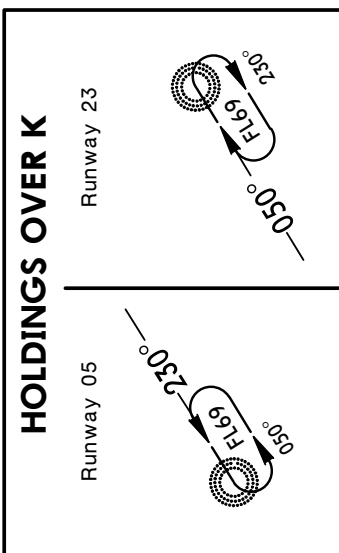
← 257°

69
EKTAB 2C, 1L

DIMUT
N49 18.5
E075 05.9

← 280°

72
DIMUT 2C, 1L



HOLDINGS OVER K

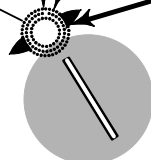
Runway 23

Runway 05

(IAF)

***618 K**
N49 41.1 E073 22.1

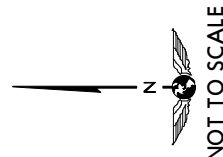
At FL69



67
GONEL 2C, 1L

← 330°

GONEL
N48 39.2 E073 59.2



FL CONVERSION
FL69 FL2100m

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

UAKK/KGF
KARAGANDA

2 APR 10

10-2D

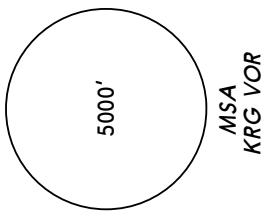
Eff 8 Apr

STAR

Apt Elev
1765'

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

(QFE)



(IAF)
KARAGANDA
D 113.4 KRG
N49 41.2 E073 21.8
A+ FL69

AMELU 2B [AMEL2B]
BEDKA 2B [BEDK2B]
NEDRO 2B [NEDR2B]
RWY 05 ARRIVALS

AMELU 1H [AMEL1H]
BEDKA 2H [BEDK2H]
NEDRO 1H [NEDR1H]
RWY 23 ARRIVALS

FROM WEST
BASED ON KRG

FL CONVERSION	FL2100m
ALT/HEIGHT CONVERSION	(QFE)
QNH	5380' (3615' - 1100m)

BEDKA
N50 13.3 E072 15.8

118°

AMELU
N49 52.9
E071 43.5

091°

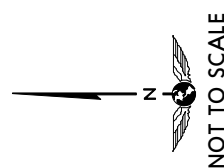
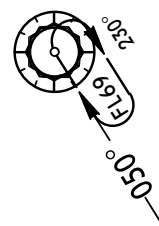
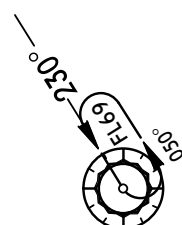
53.4
BEDKA 2B, 2H

64.8
AMELU 2B, 1H

HOLDINGS OVER KRG

Runway 05

Runway 23



55.9
NEDRO 2B, 1H

NEDRO
N49 16.4 E072 05.0

055°

UAKK/KGF
KARAGANDA

2 APR 10

10-2E

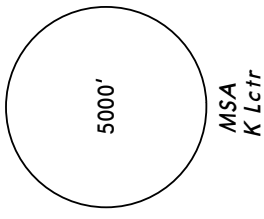
Eff 8 Apr

STAR

Apt Elev
1765'

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

(QFE)



MSA
K Lctr

FL CONVERSION

FL69 **FL2100m**

ALT/HEIGHT CONVERSION

QNH (QFE)
5380' **(3615' - 1100m)**

BEDKA
N50 13.3 E072 15.8

179°

AMELU
N49 52.9
E071 43.5

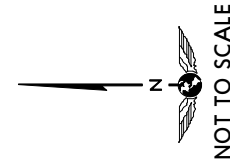
53
BEDKA 2C, 1L

(IAF)

***618 K**
N49 41.1 E073 22.1

A1 FL69

65
AMELU 2C, 1L



AMELU 2C [AMEL2C]
BEDKA 2C [BEDK2C]
NEDRO 2C [NEDR2C]
RWY 05 ARRIVALS

AMELU 1L [AMEL1L]
BEDKA 1L [BEDK1L]
NEDRO 1L [NEDR1L]
RWY 23 ARRIVALS

FROM WEST
BASED ON K

56
NEDRO 2C, 1L

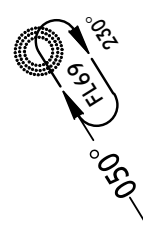
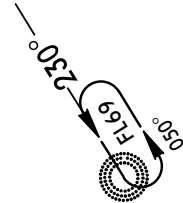
NEDRO
N49 16.4 E072 05.0

355°

HOLDINGS OVER K

Runway 05

Runway 23

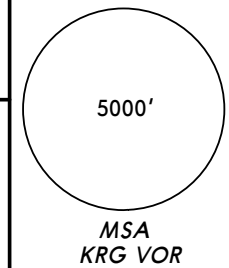


UAKK/KGF
KARAGANDA

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.



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

BANOS
N50 11.3 E072 38.7
128°

LESNA
N50 13.0 E072 51.5
139°

DETOV
N50 15.9 E073 12.6
161°



BANOS 2B, 2H
41

LESNA 2B, 2H
37.4

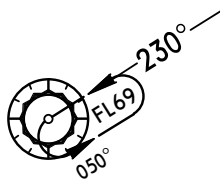
DETOV 2B, 2H
35.3

FL CONVERSION
FL69 **FL2100m**

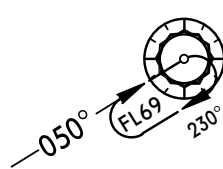
ALT/HEIGHT CONVERSION
QNH (QFE)
5380' **(3615' - 1100m)**

HOLDINGS OVER KRG

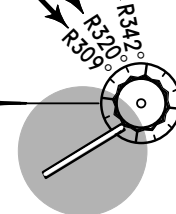
Runway 05



Runway 23



(IAF)
KARAGANDA
D * **113.4 KRG**
N49 41.2 E073 21.8
At FL69

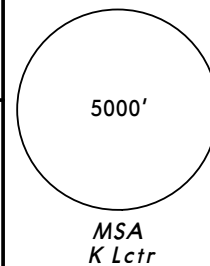


UAKK/KGF
KARAGANDA

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.



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

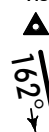
BANOS
N50 11.3 E072 38.7



LESNA
N50 13.0 E072 51.5



DETOV
N50 15.9 E073 12.6



BANOS 2C, 1L

LESNA 2C, 1L

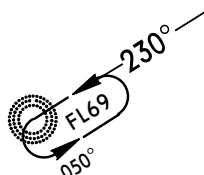
DETOV 2C, 1L

FL CONVERSION
FL69 **FL2100m**

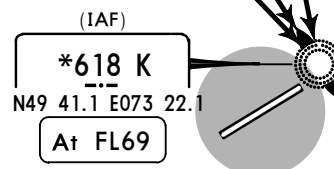
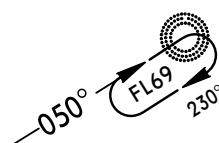
ALT/HEIGHT CONVERSION
QNH **(QFE)**
5380' **(3615' - 1100m)**

HOLDINGS OVER K

Runway 05



Runway 23



UAKK/KGF
KARAGANDA

2 APR 10

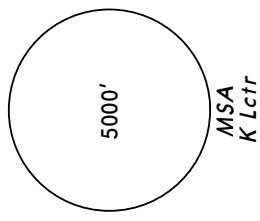
10-3

Eff 8 Apr

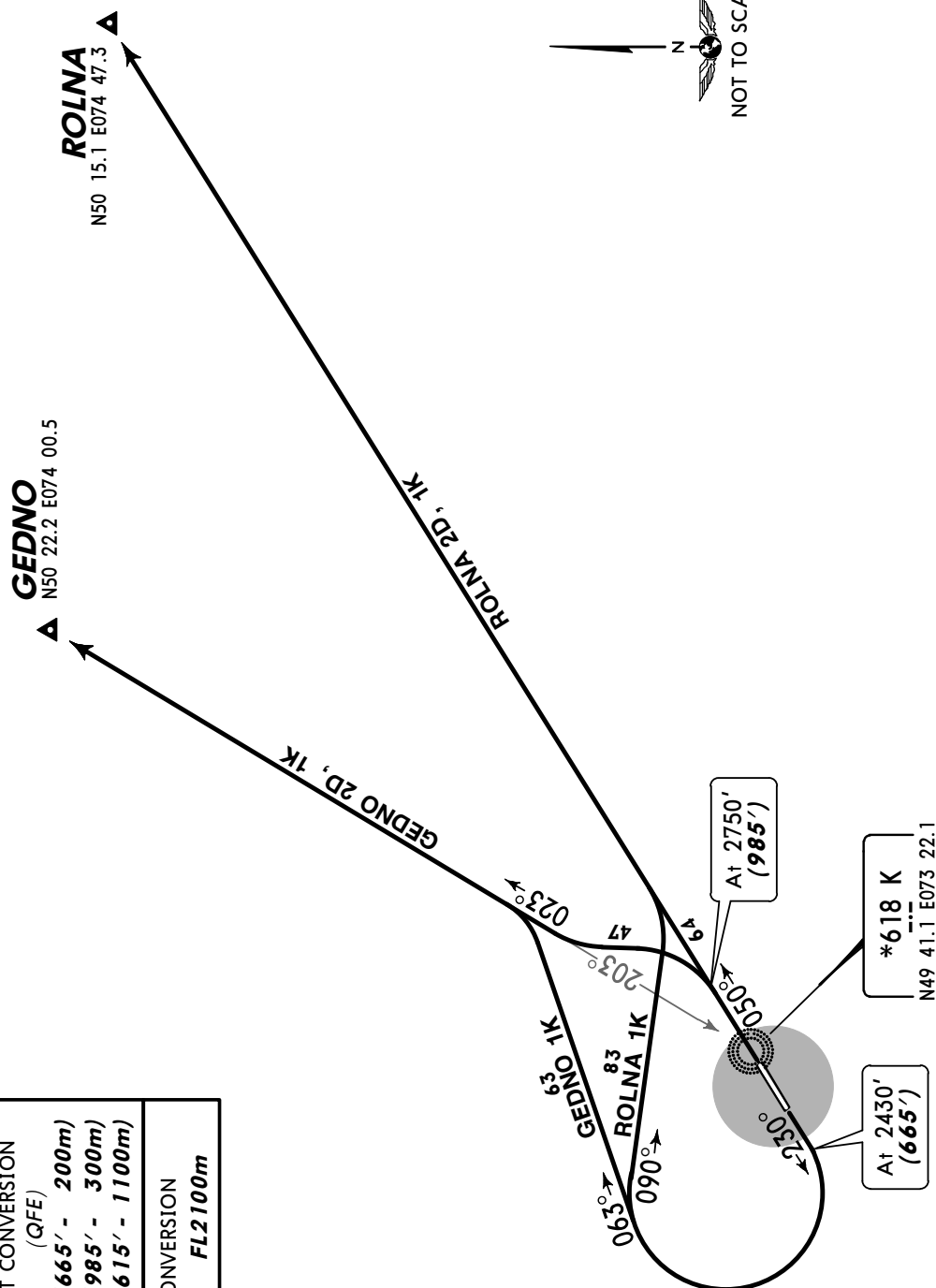
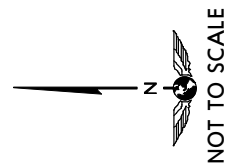
SID

Apt Elev
1765'

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



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



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

FL CONVERSION	
FL69	FL2100m

ROUTING

SID	RWY	ROUTING
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, intercept 063° bearing from K to GEDNO.
ROLNA 2D	05	Climb to 2750' (985'), then to ROLNA.
ROLNA 1K	23	Climb to 2430' (665'), turn RIGHT, intercept 050° bearing from K to ROLNA.

UAKK/KGF
KARAGANDA

2 APR 10

10-3A

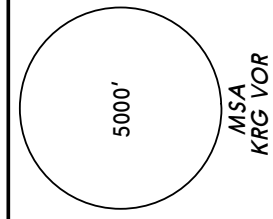
Eff 8 Apr

SID

Apt Elev
1765'

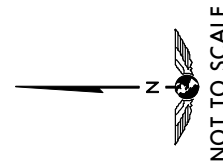
QNH on request **(QFE)**
Trans level: FL69 Trans alt: 5380' **(3615')**
Crossing altitudes at airway entry points by ATC.

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



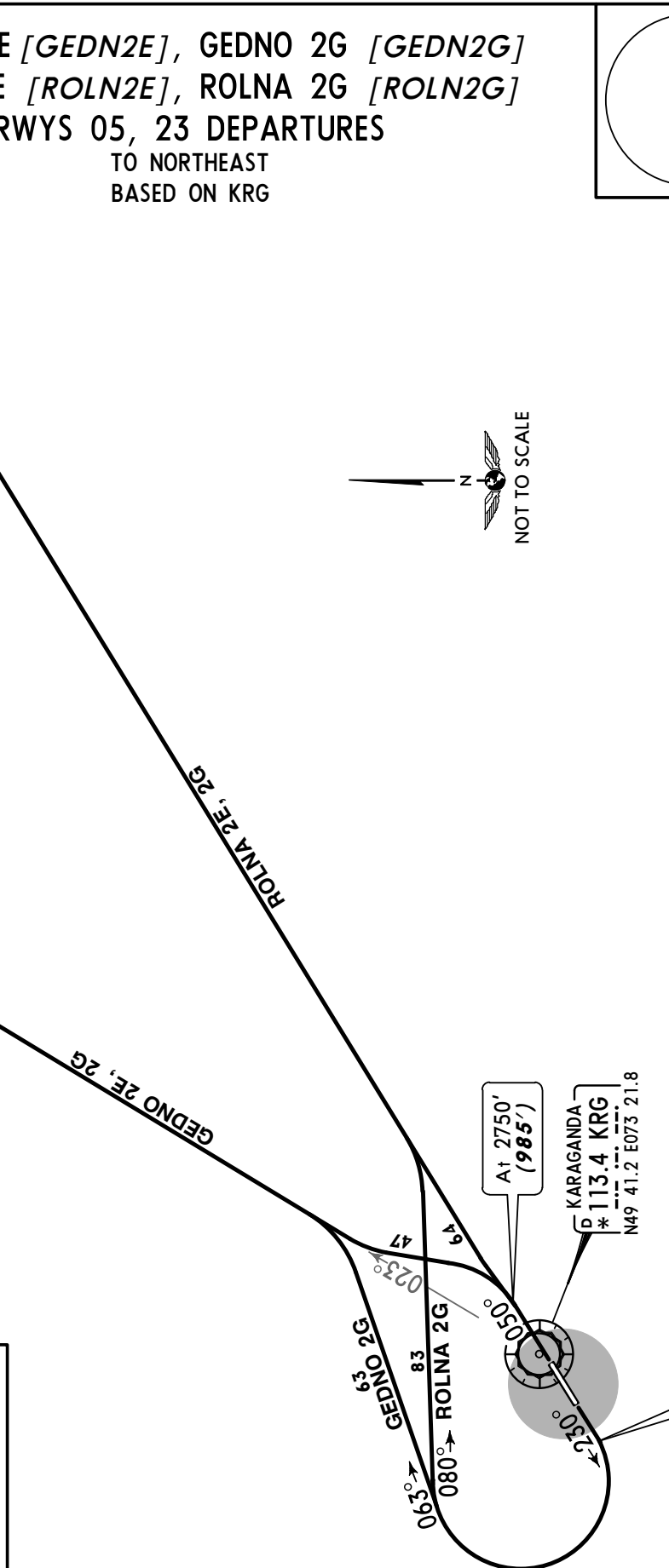
ROLNA
N50 15.1 E074 47.3

GEDNO
N50 22.2 E074 00.5



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

FL CONVERSION	
FL69	FL2100m



ROUTING	
GEDNO 2E	05
GEDNO 2G	23
ROLNA 2E	05
ROLNA 2G	23

UAKK/KGF
KARAGANDA

2 APR 10

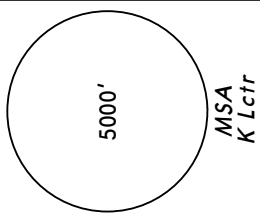
10-3B

Eff 8 Apr

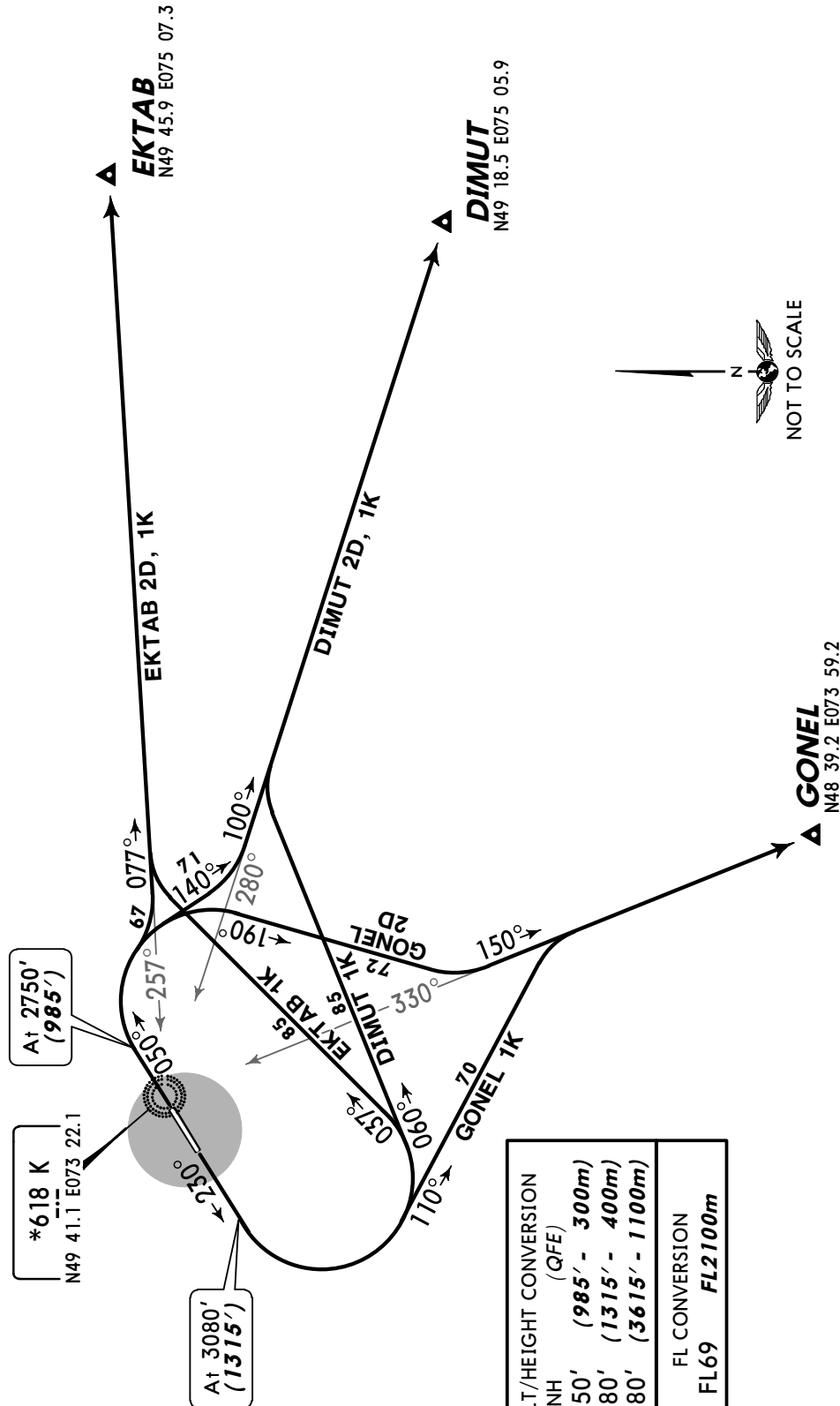
SID

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



UAKK/KGF
KARAGANDA

2 APR 10

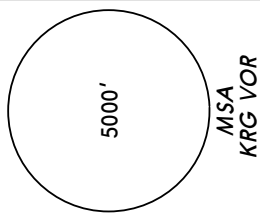
10-3C

Eff 8 Apr

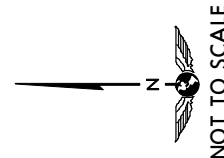
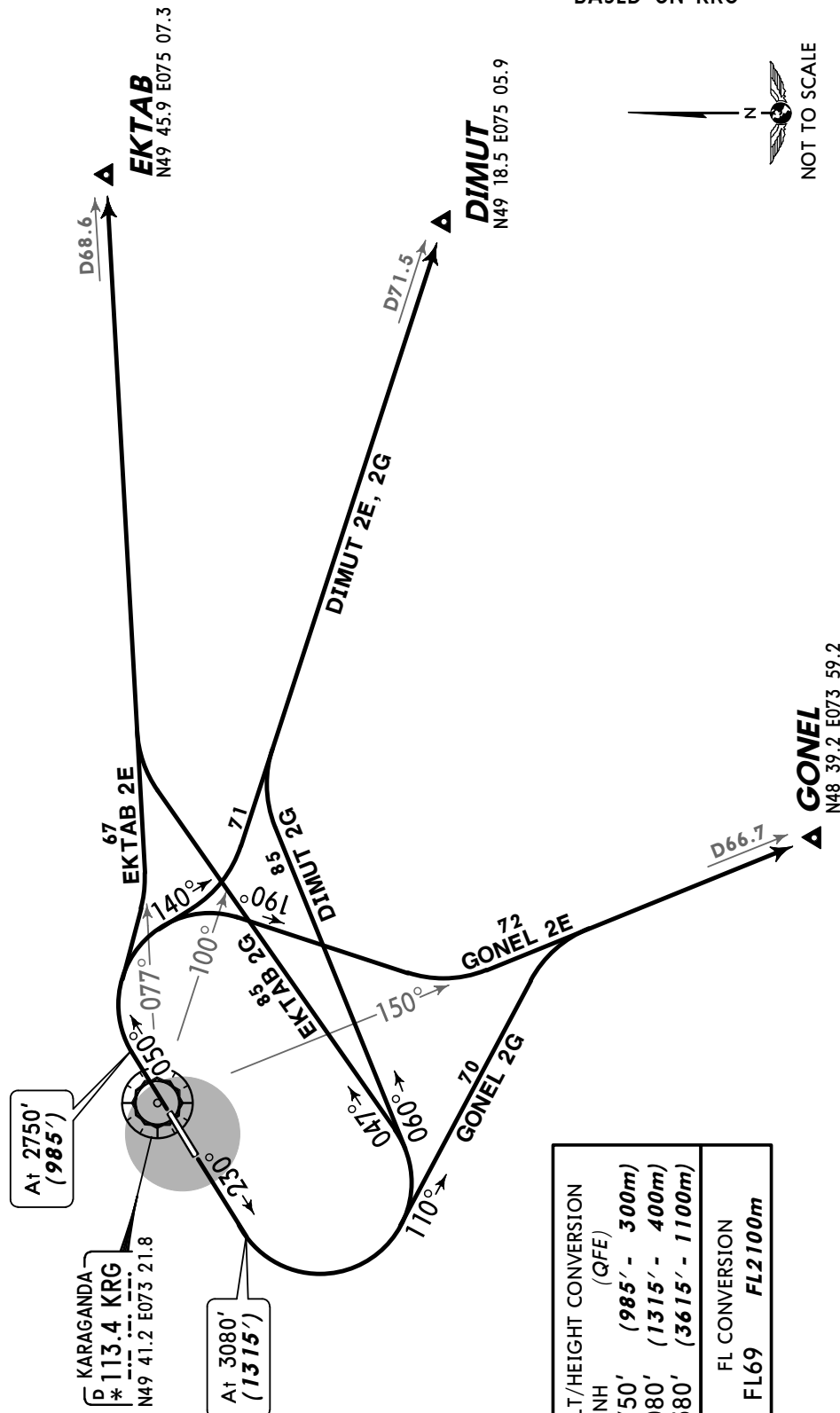
SID

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



ROUTING	
SID	RWY
DIMUT 2E	05
DIMUT 2G	23
EKTAB 2E	05
EKTAB 2G	23
GONEL 2E	05
GONEL 2G	23

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2750'	(985' - 300m)
3080'	(1315' - 400m)
5380'	(3615' - 1100m)
FL CONVERSION	
FL69	FL2100m

UAKK/KGF
KARAGANDA

2 APR 10

10-3D

Eff 8 Apr

SID

Apt Elev
1765'

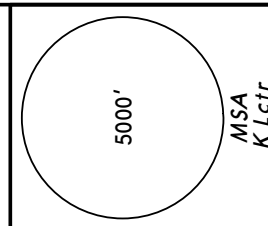
QNH on request **(QFE)**
Trans level: FL69 Trans alt: 5380' **(3615')**
Crossing altitudes at airway entry points by ATC.

ROUTING

SID	RWY
AMELU 2D	05
AMELU 1K	23
BEDKA 2D	05
BEDKA 1K	23
NEDRO 2D	05
NEDRO 1K	23

Climb to 2750' **(985')**, turn LEFT, 234° track, intercept 274° bearing from K to AMELU.
Climb to 2430' **(665')**, turn RIGHT, 313° track, intercept 274° bearing from K to AMELU.
Climb to 2750' **(985')**, turn LEFT, 260° track, intercept 299° bearing from K to BEDKA.
Climb to 2430' **(665')**, turn RIGHT, 339° track, intercept 299° bearing from K to BEDKA.
Climb to 2750' **(985')**, turn LEFT, 196° track, intercept 236° bearing from K to NEDRO.
Climb to 2430' **(665')**, turn RIGHT, 236° track to NEDRO.

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



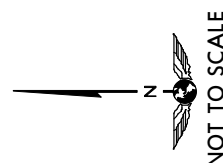
ALT/HEIGHT CONVERSION (QFE)	
QNH	
2430'	(665' - 200m)
2750'	(985' - 300m)
4390'	(2625' - 800m)
5380'	(3615' - 1100m)
FL CONVERSION	
FL69	FL2100m

BEDKA
N50 13.3 E072 15.8

AMELU
N49 52.9 E071 43.5

NEDRO
N49 16.4 E072 05.0

BS
KARAGANDA
*263 KR
*747 KR
N49 47.0 E073 02.0



NOT TO SCALE

1 During flight activity at Taldy-Kuduk airport proceed via KR to AMELU and BEDKA. Cross KR at or above 4390' **(2625')**.

UAKK/KGF
KARAGANDA

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.

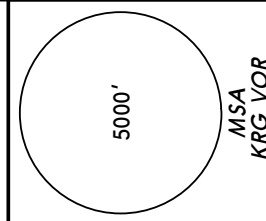
ROUTING

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.

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



BEDKA

N50 13.3 E072 15.8

AMELU

N49 52.9 E071 43.5

KARAGANDA

*263 KR
*747 KR

N49 47.0 E073 02.0

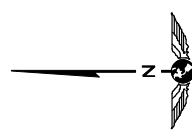
Taldy-Kuduk

NEDRO

N49 16.4 E072 05.0

1 During flight activity at Taldy-Kuduk airport proceed via KR to AMELU and BEDKA. 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



NOT TO SCALE

UAKK/KGF
KARAGANDA

2 APR 10

10-3F

Eff 8 Apr

SIDApt 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

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

BANOS
N50 11.3 E072 38.7**LESNA**
N50 13.0 E072 51.5**DETOV**
N50 15.9 E073 12.6

NOT TO SCALE

① 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**

BS
KARAGANDA
*263 KR
*747 KR
N49 47.0 E073 02.0

Taldy-Kuduk

BANOS 1K ①
DETOV 1K ①
LESNA 1K ①

BANOS 2D
DETOV 2D
LESNA 2D

*618 K
N49 41.1 E073 22.1

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.

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

BANOS

N50 11.3 E072 38.7

LESNA

N50 13.0 E072 51.5

DETOV

N50 15.9 E073 12.6



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

BS
KARAGANDA
*263 KR
*747 KR
N49 47.0 E073 02.0

ALT/HEIGHT CONVERSIONQNH **(QFE)**2430' **(665' - 200m)**2750' **(985' - 300m)**4390' **(2625' - 800m)**5380' **(3615' - 1100m)****FL CONVERSION**FL69 **FL2100m**

Taldy-Kuduk

KARAGANDA
D
*113.4 KRG
N49 41.2 E073 21.8

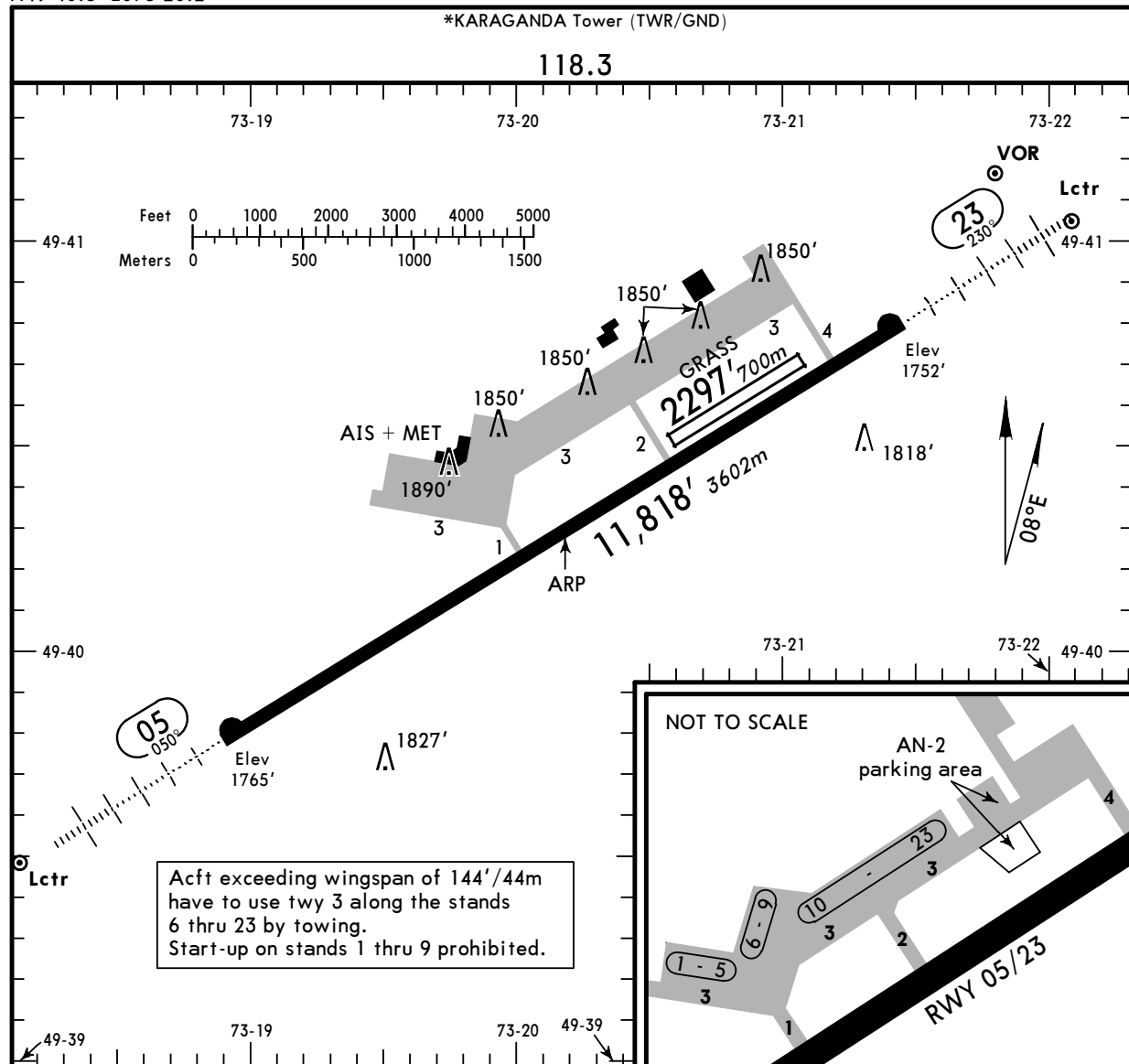
SID	RWY	ROUTING
BANOS 2E	05	Climb to 2750' (985') , turn LEFT, 270° track, intercept KRG R-309 to BANOS.
BANOS 2G	23	Climb to 2430' (665') , turn RIGHT, 349° track, intercept KRG R-309 to BANOS.
DETOV 2E	05	Climb to 2750' (985') , turn LEFT, 302° track, intercept KRG R-342 to DETOV.
DETOV 2G	23	Climb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

JEPPESSEN KARAGANDA, KAZAKHSTAN
27 MAR 09 (10-9) Eff 9 Apr KARAGANDA



ADDITIONAL RUNWAY INFORMATION

ADDITIONAL RUNWAY INFORMATION				USABLE LENGTHS		WIDTH
RWY				LANDING BEYOND		
				Threshold	Glide Slope	TAKE-OFF
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	NIGHT
A	RL	RL
B	400m 1	400m 1
C		
D		400m

1 LVP must be in force: 300m.

UAKK/KGF

JEPPESEN
 2 APR 10
 Eff 8 Apr
10-9X**KARAGANDA, KAZAKHSTAN**
KARAGANDA**JAA MINIMUMS**

STRAIGHT-IN RWY		A	B	C	D
05	ILS	1965' (200')	1965' (200')	1965' (200')	1965' (200')
		800m	800m	800m	800m
	<i>ALS out</i>	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
23	NDB	2640' (875')	2640' (875')	2750' (985')	2750' (985')
		3000m	3000m	5000m	5000m
	ILS	1952' (200')	1952' (200')	1952' (200')	1952' (200')
		800m	800m	800m	800m
	<i>ALS out</i>	1000m	1000m	1000m	1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
23	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
	<i>ALS out</i>	1500m	1500m	1800m	2000m
	NDB	2530' (778')	2530' (778')	2740' (988')	2740' (988')
23		3000m	3000m	5000m	5000m

TAKE-OFF RWY 05, 23

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

I LVP must be in force: 300m.

UAKK/KGF KARAGANDA

2 APR 10

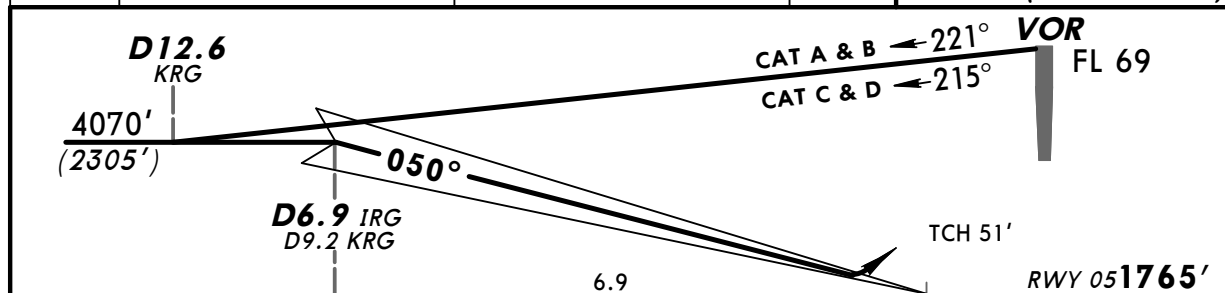
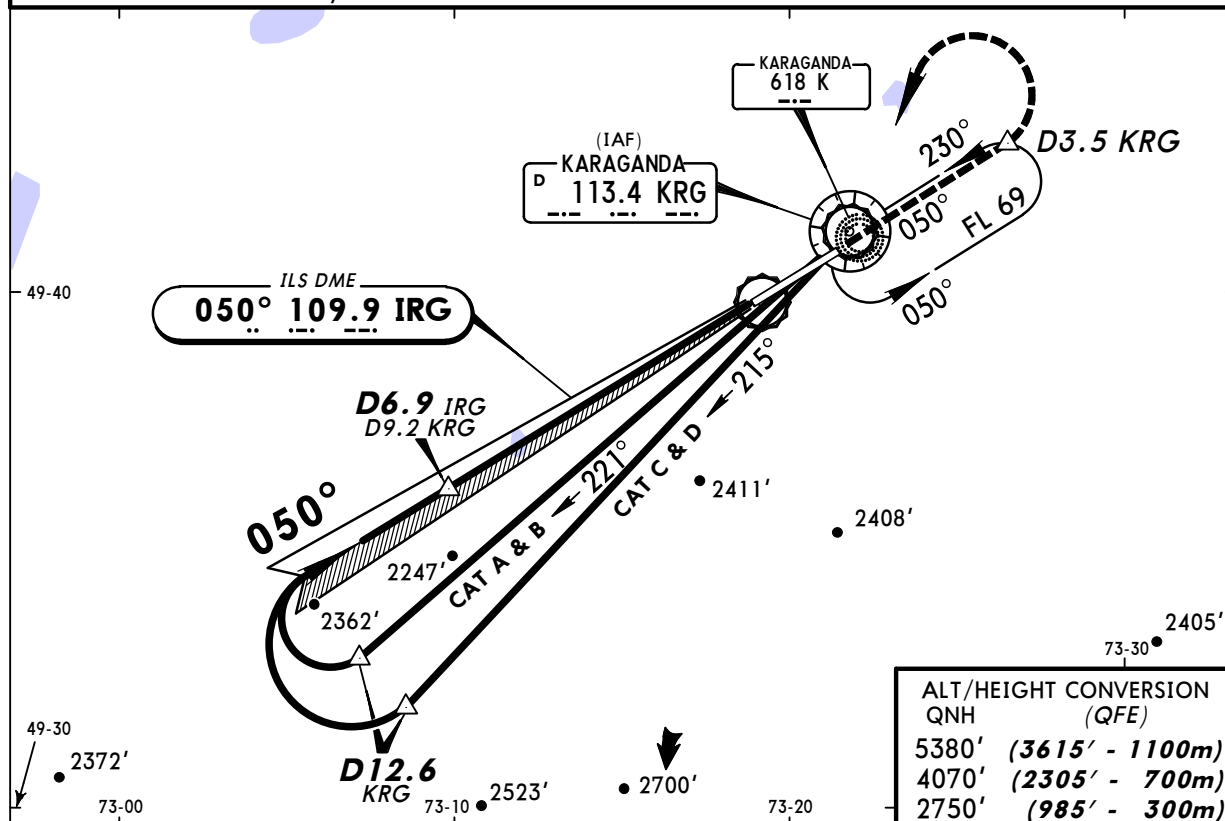
(11-1)

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 109.9	Final Apch Crs 050°	GS D6.9 IRG 4070'(2305')	ILS DA(H) 1965'(200')	Apt Elev 1765' RWY1765'	5000' MSA KRG VOR
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.					
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.					



Gnd speed-Kts	70	90	100	120	140	160	HIALS		2750' (985') on or above	050°	D3.5 KRG
GS	3.00°	377	484	538	646	753	PAPI				

STRAIGHT-IN LANDING RWY 05				LOC (GS out)	
ILS		DA(H) 1965' (200')			
FULL	ALS out				
A					
B					
C	800m	1200m	NOT AUTHORIZED		
D					

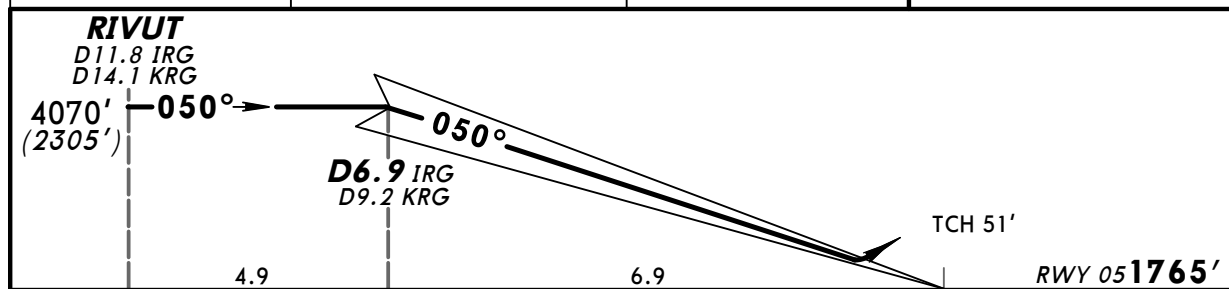
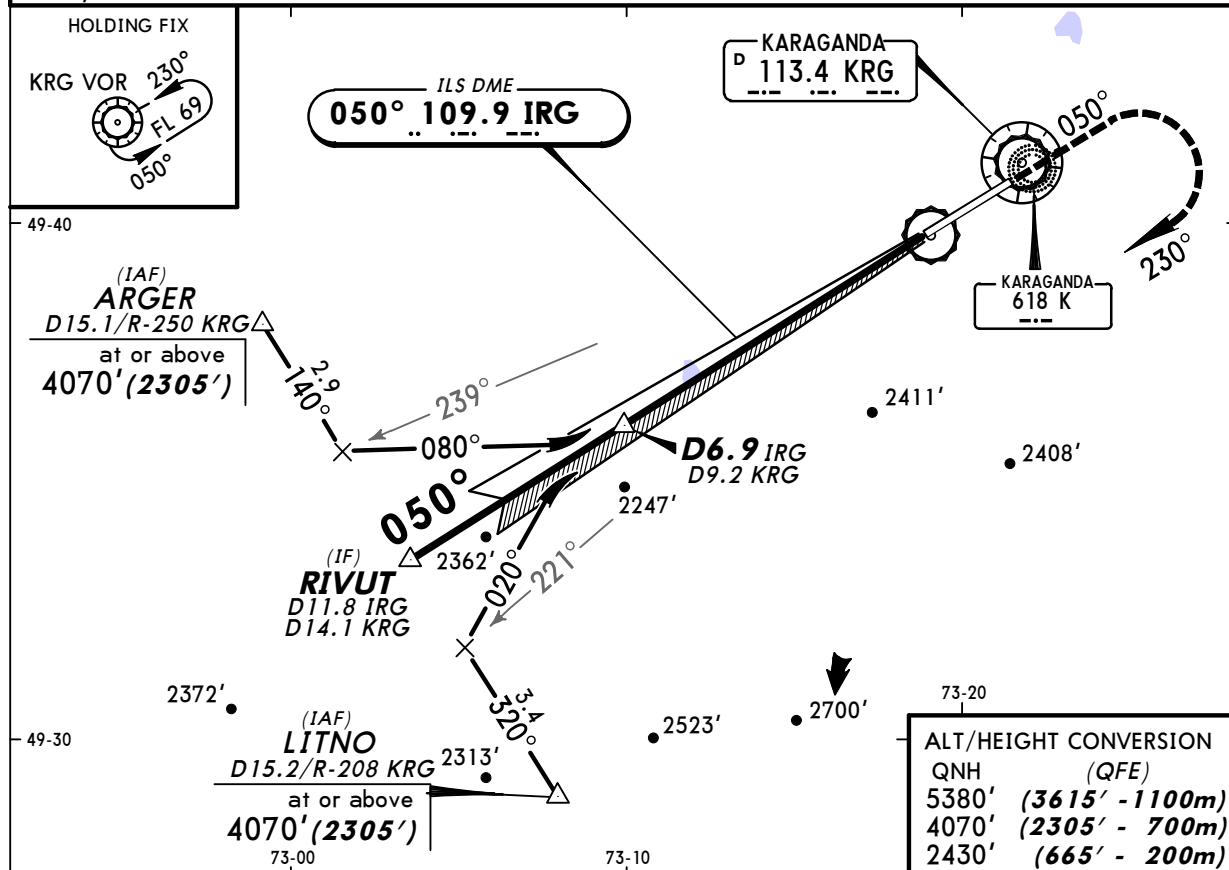
PANS OPS

UAKK/KGF KARAGANDA

JEPPesen KARAGANDA, KAZAKHSTAN
2 APR 10 **(11-2)** **Eff 8 Apr** ILS DME Y Rwy 05

BRIEFING STRIP

*KARAGANDA Approach		*KARAGANDA Tower		*Ground	5000' MSA KRG VOR
122.0		118.3		118.3	
LOC IRG 109.9	Final Apch Crs 050°	GS D6.9 IRG 4070' (2305')	ILS DA(H) 1965' (200')	Apt Elev 1765' RWY 1765'	
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.					



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI 2430' (665') or above on 050°
GS	3.00°	377	484	538	646	753	

STRAIGHT-IN LANDING RWY 05					
ILS		LOC (GS out)			
DA(H) 1965' (200')					
FULL	ALS out				
A					
B					
C	800m	1200m	NOT AUTHORIZED		
D					

PANS OPS

UAKK/KGF KARAGANDA

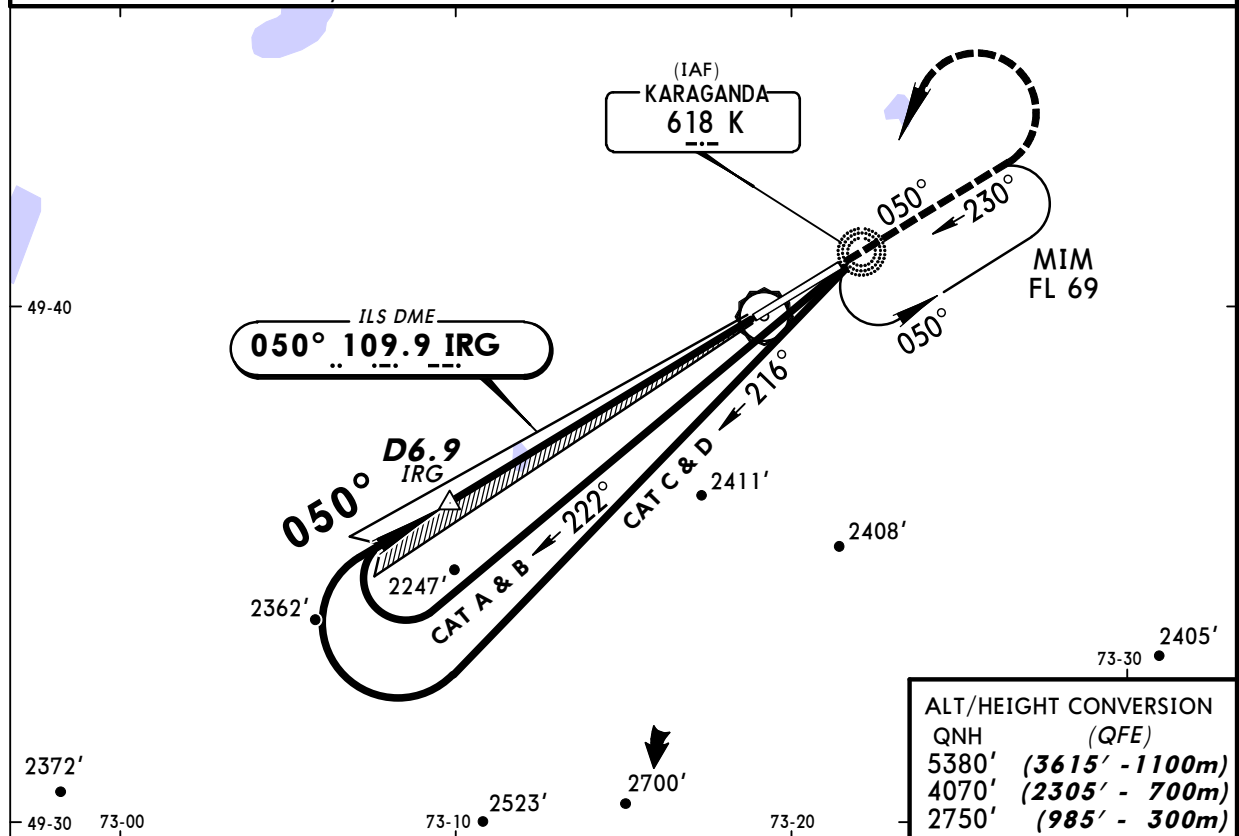


JEPPesen
2 APR 10 (11-3) Eff 8 Apr

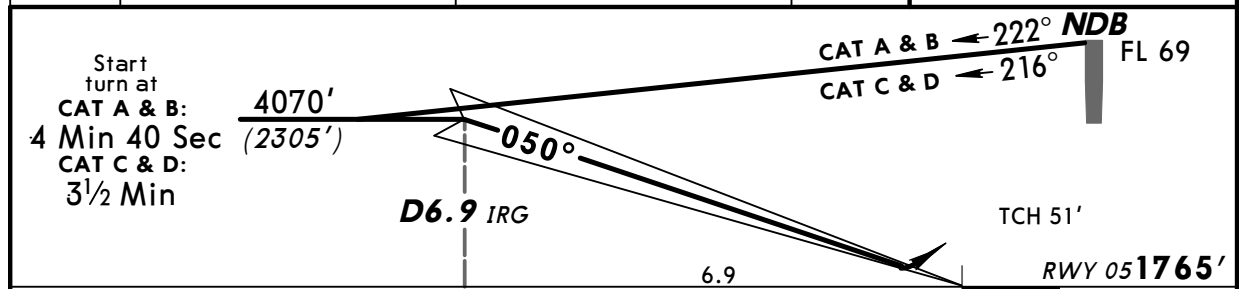
KARAGANDA, KAZAKHSTAN
ILS DME X Rwy 05

BRIEFING STRIP

*KARAGANDA Approach		*KARAGANDA Tower		*Ground	5000' MSA K NDB
122.0		118.3		118.3	
LOC IRG 109.9	Final Apch Crs 050°	GS D6.9 IRG 4070' (2305')	ILS DA(H) 1965' (200')	Apt Elev 1765' 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.					
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	HIALS PAPI 2750' (985') or above on 050°
GS	3.00°	377	484	538	646	753	

STRAIGHT-IN LANDING RWY 05			
ILS		LOC (GS out)	
DA(H) 1965' (200')			
FULL	ALS out		
A			
B			
C	800m	1200m	NOT AUTHORIZED
D			

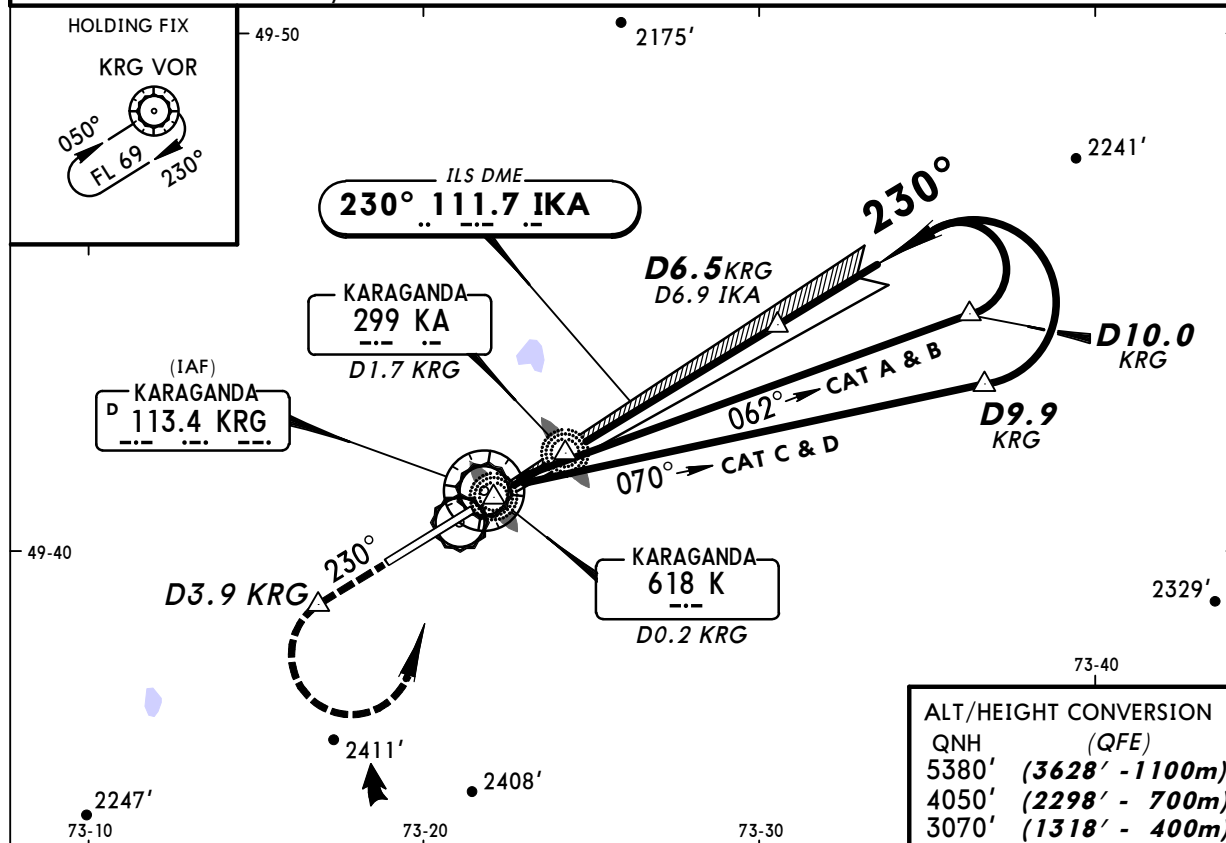
PANS OPS

UAKK/KGF KARAGANDA

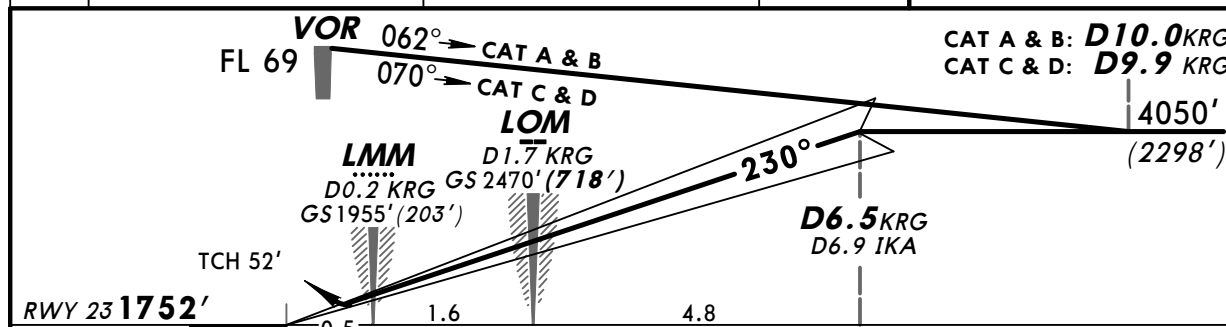
JEPPESEN KARAGANDA, KAZAKHSTAN
2 APR 10 **(11-4)** **Eff 8 Apr** **ILS DME Z Rwy 23**

BRIEFING STRIP

*KARAGANDA Approach		*KARAGANDA Tower		*Ground	5000' MSA KRG VOR
122.0		118.3		118.3	
LOC IKA 111.7	Final Apch Crs 230°	GS LOM 2470' (718')	ILS DA(H) 1952' (200')	Apt Elev 1765' 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.					
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	HIALS PAPI	3070' (1318') or above on 230°	D3.9 KRG
GS	3.00°	377	484	538	646	753			

STRAIGHT-IN LANDING RWY 23			
ILS		LOC (GS out)	
DA(H) 1952' (200')			
FULL	ALS out		
A			
B			
C	800m	1200m	NOT AUTHORIZED
D			

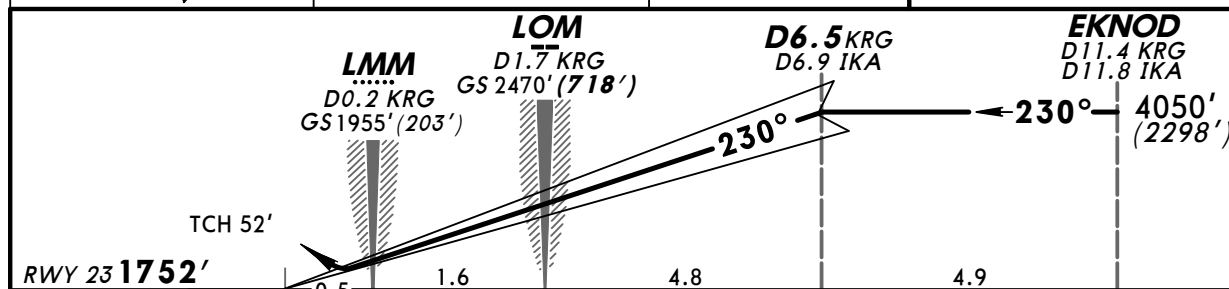
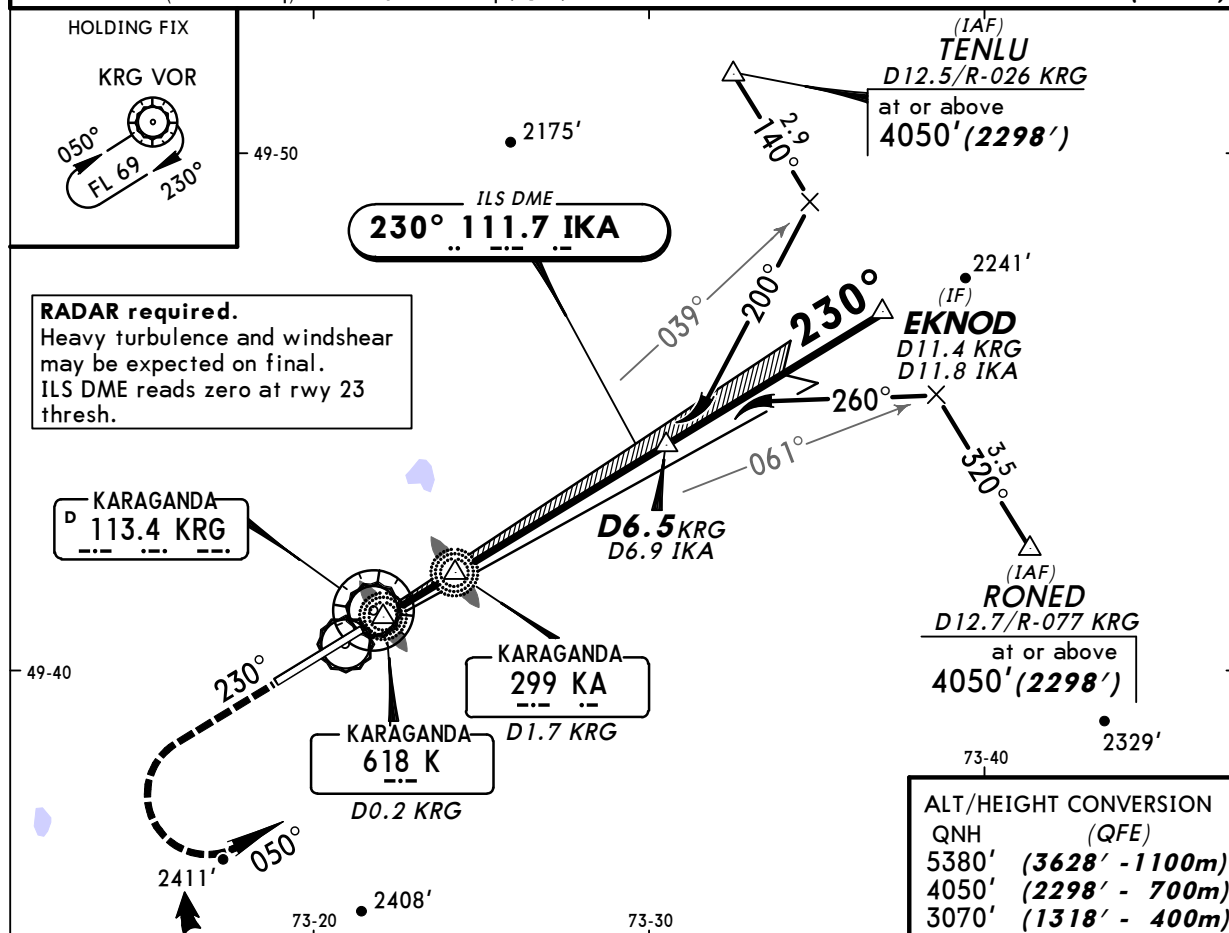
PANS OPS

UAKK/KGF KARAGANDA

JEPPesen KARAGANDA, KAZAKHSTAN 2 APR 10 (11-5) Eff 8 Apr ILS DME Y Rwy 23

BRIEFING STRIP

*KARAGANDA Approach		*KARAGANDA Tower		*Ground	5000' MSA KRG VOR
122.0		118.3		118.3	
LOC IKA 111.7	Final Apch Crs 230°	GS LOM 2470' (718')	ILS DA(H) 1952' (200')	Apt Elev 1765' RWY 1752'	
MISSED APCH: Climb on 230° to 3070' (1318'), then turn LEFT onto 050° climbing to 4050' (2298'), then as directed.					
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			HIALS		3070'		050°	4050'	
Gs							3.00°	377	484	538	646	753	861			PAPI		(1318')	On 230°	LT	(2298')

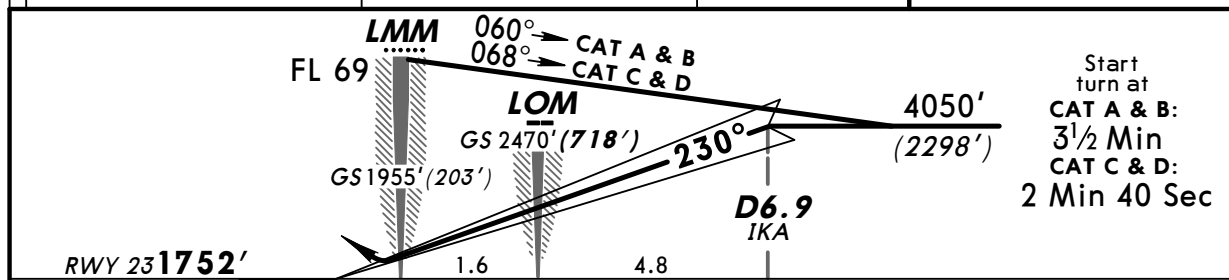
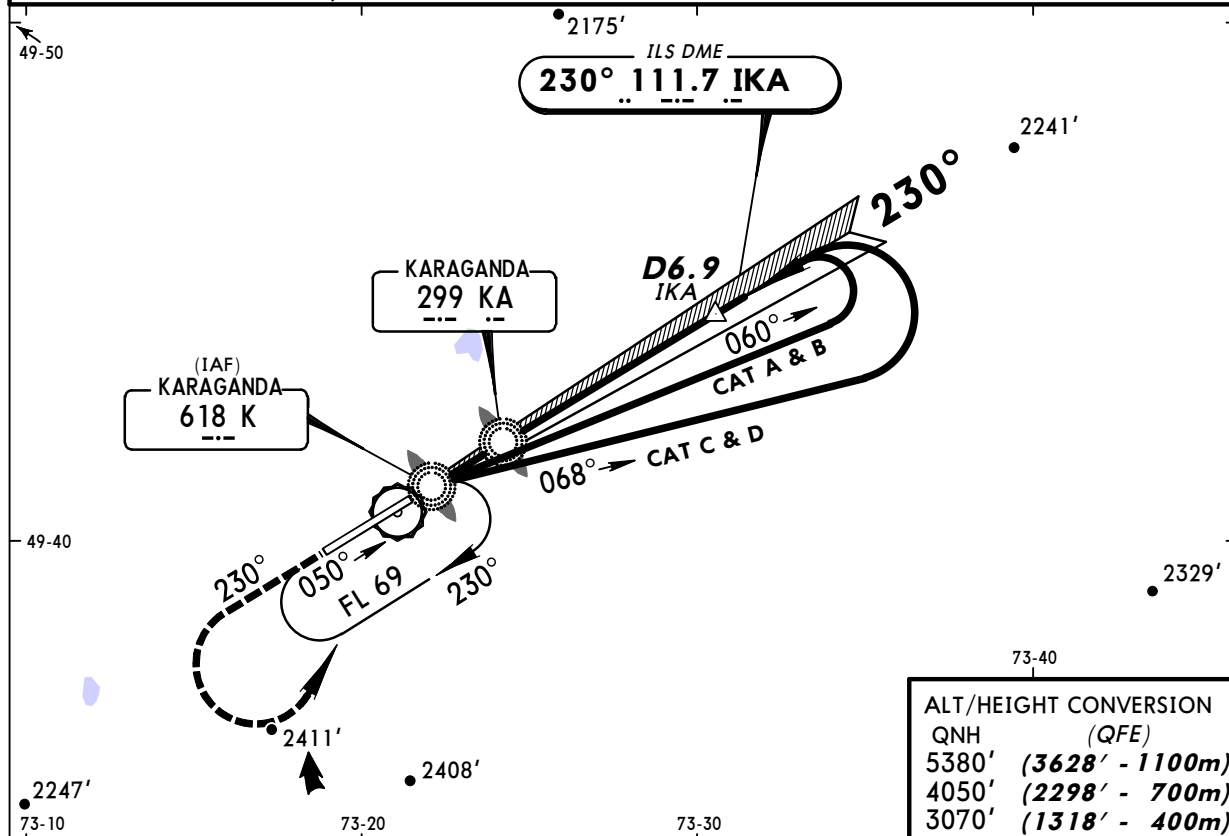
STRAIGHT-IN LANDING RWY 23		ILS		LOC (GS out)			
		DA(H) 1952' (200')					
		FULL	ALS out				
A							
B							
C							
D							

UAKK/KGF KARAGANDA

JEPPESSEN KARAGANDA, KAZAKHSTAN
2 APR 10 **(11-6)** Eff 8 Apr ILS DME X Rwy 23

BRIEFING STRIP

*KARAGANDA Approach		*KARAGANDA Tower		*Ground	
122.0		118.3		118.3	
LOC IKA 111.7	Final Apch Crs 230°	GS LOM 2470' (718')	ILS DA(H) 1952' (200')	Apt Elev 1765' RWY 1752'	5000' MSA K NDB
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.					
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.					



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI	3070' (1318') or above on 230°
GS 3.00°	377	484	538	646	753	861		

STRAIGHT-IN LANDING RWY 23					
ILS		LOC (GS out)			
DA(H) 1952' (200')					
FULL	ALS out				
A					
B					
C	800m	1200m	NOT AUTHORIZED		
D					

PANS OPS

UAKK/KGF KARAGANDA



JEPPesen

KARAGANDA, KAZAKHSTAN

2 APR 10 **(13-1)**

Eff 8 Apr

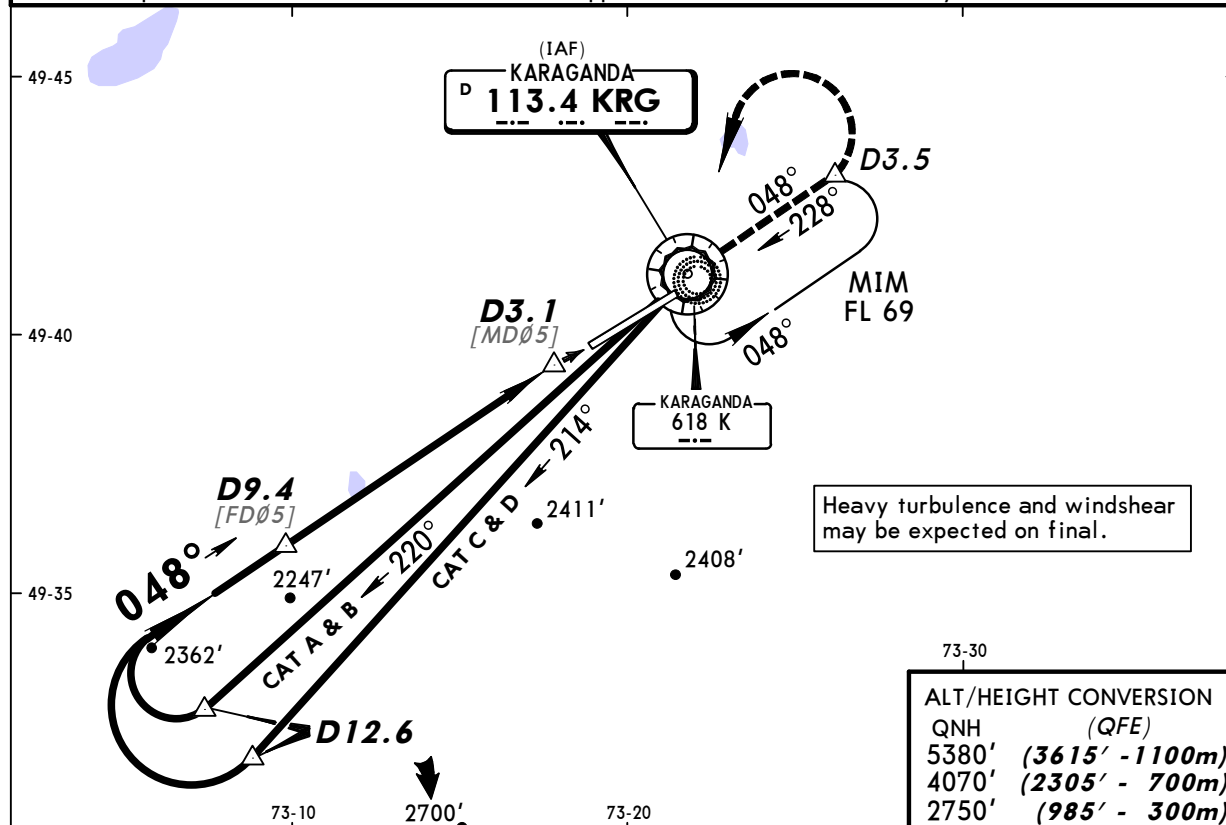
VOR DME Rwy 05

BRIEFING STRIP

DEPARTING SINT

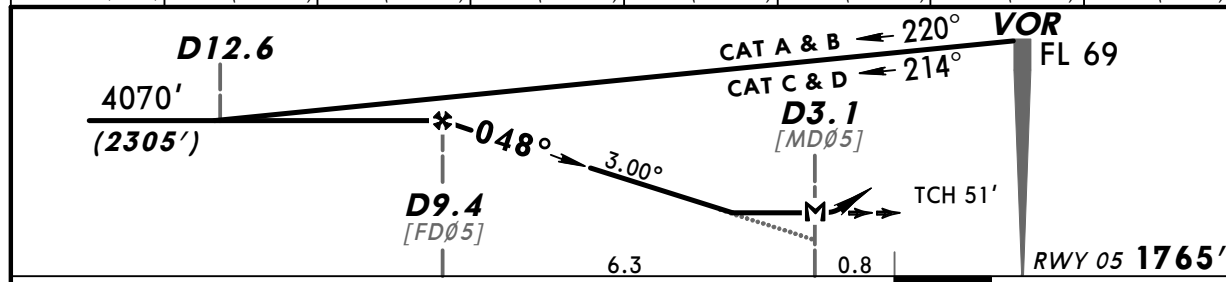
*KARAGANDA Approach 122.0		*KARAGANDA Tower 118.3		*Ground 118.3	5000' MSA KRG VOR
VOR KRG 113.4	Final Apch Crs 048°	Minimum Alt D9.4 4070'(2305')	MDA(H) Refer to Minimums	Apt Elev 1765' RWY 1765'	
MISSED APCH: Climb on 048° to 2750'(985') or above to D3.5, then turn LEFT (MAX 225 KT) to VOR. Climb initially to 4070' (2305'), then as directed.					
MISSED APCH WITH COMM FAILURE: Climb to FL 69 to VOR and join holding.					
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 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	HIALS	2750' (985') or above	on	048°	D3.5
Descent angle	3.00°	372	478	531	637	743					
MAP at D3.1											

STRAIGHT-IN LANDING RWY 05		ALS out	
MDA(H) AB: 2430' (665') CD: 2750' (985')			
A	2500m		
B			
C	5000m		
D			

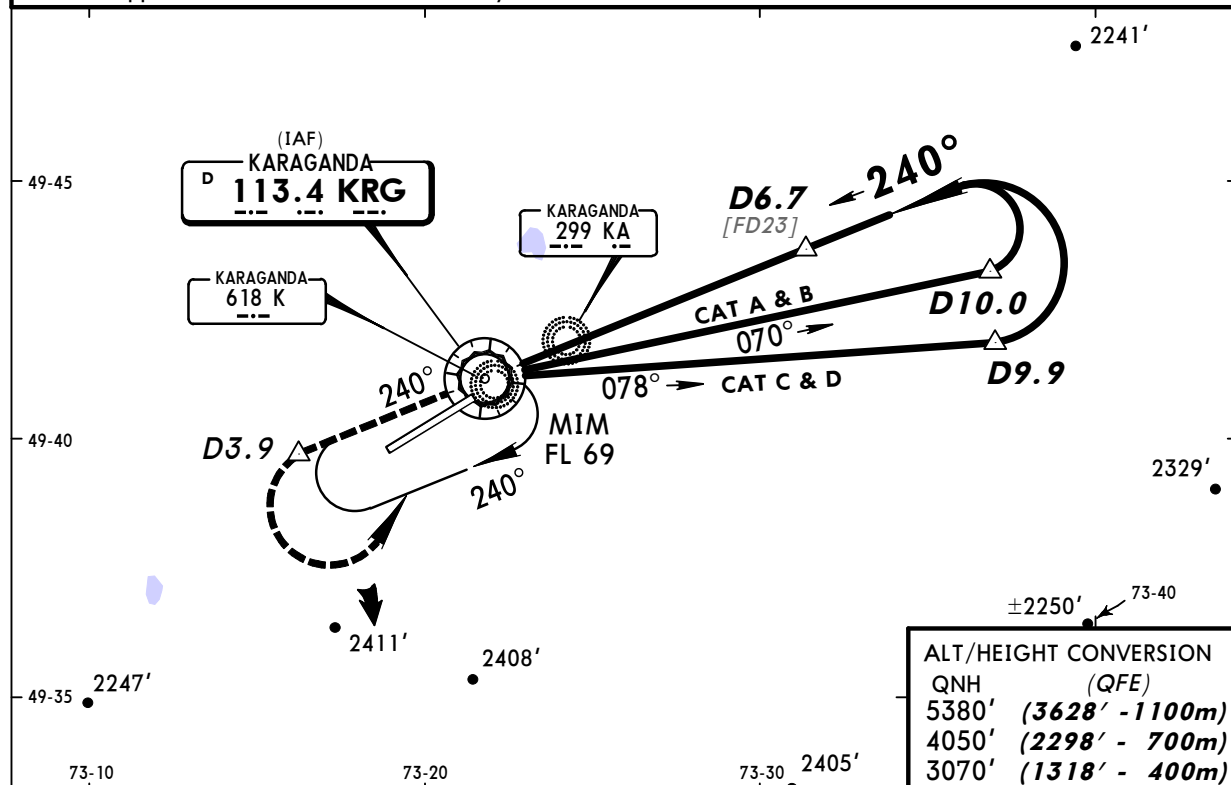
PANS OPS

UAKK/KGF KARAGANDA

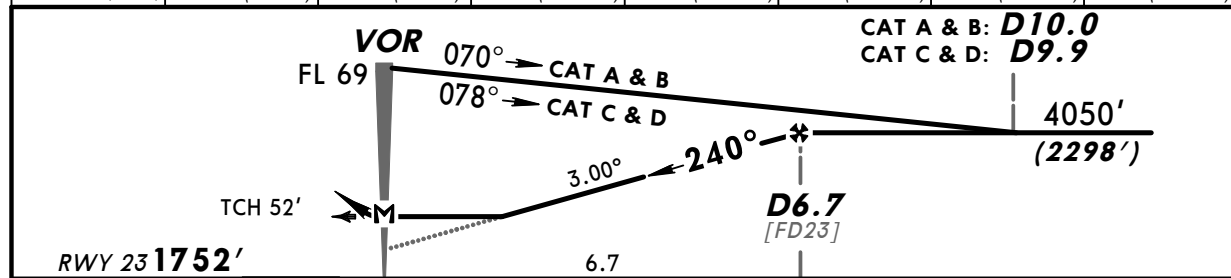
JEPPESSEN KARAGANDA, KAZAKHSTAN
2 APR 10 **(13-2)** **Eff 8 Apr** **VOR DME Rwy 23**

BRIEFING STRIP

*KARAGANDA Approach		*KARAGANDA Tower		*Ground	
122.0		118.3		118.3	
VOR KRG 113.4	Final Apch Crs 240°	Minimum Alt D6.7 4050' (2298')	MDA(H) Refer to Minimums	Apt Elev 1765' RWY 1752'	
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.					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. Final approach track offset 10° from rwy centerline.					



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	3070' (1318') or above on 240° D3.9	
Descent angle 3.00°	372	478	531	637	743	849		
MAP at VOR								

STRAIGHT-IN LANDING RWY 23		ALS out
AB: 2410' (658')	CD: 2740' (988')	

A	2500m	
B		
C	5000m	
D		

PANS OPS

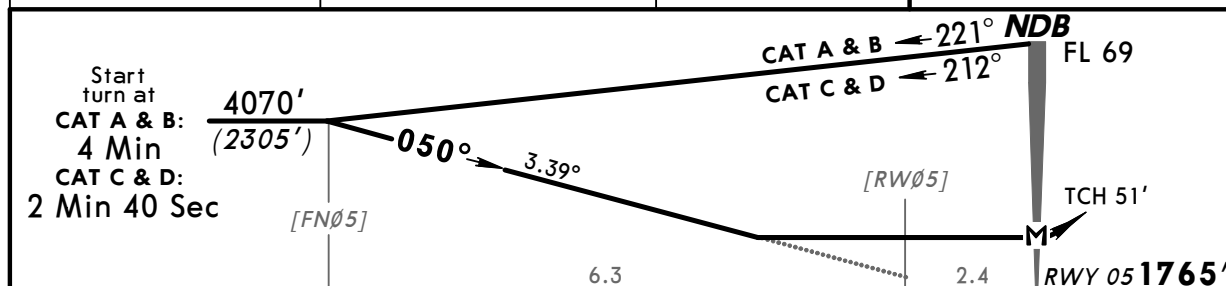
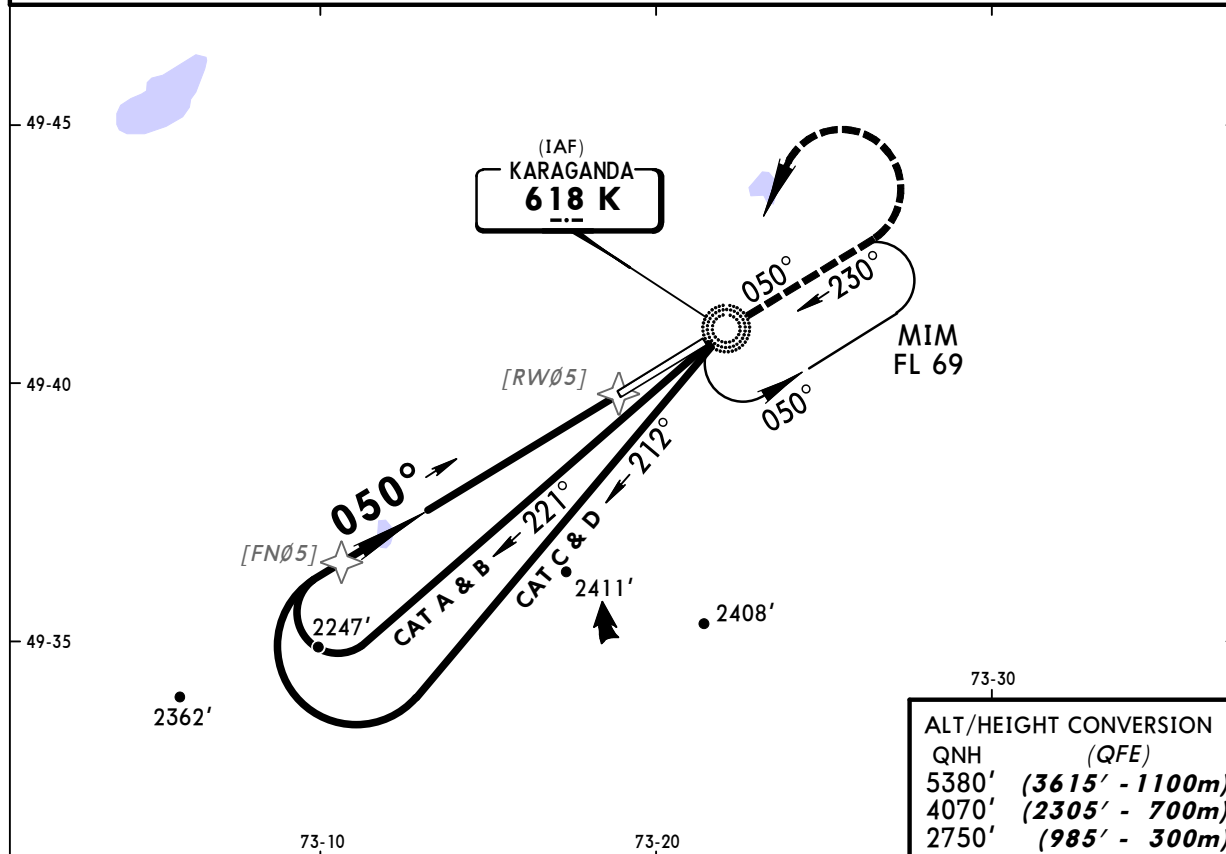
UAKK/KGF
KARAGANDA



JEPPesen KARAGANDA, KAZAKHSTAN
2 APR 10 (16-1) Eff 8 Apr **NDB Rwy 05**

BRIEFING STRIP

*KARAGANDA Approach		*KARAGANDA Tower		*Ground	
122.0		118.3		118.3	
NDB K 618	Final Apch Crs 050°	Minimum Alt No FAF	MDA(H) Refer to Minimums	Apt Elev 1765' RWY 1765'	5000' MSA K NDB
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.					
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.					



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI 2750' (985') or above on 050°
Descent angle 3.39°	420	540	600	720	840	960	
MAP at NDB							

STRAIGHT-IN LANDING RWY 05		ALS out	
AB: 2640' (875')			
MDA(H) CD: 2750' (985')			
A	3000m		
B			
C	5000m		
D			

PANS OPS

UAKK/KGF KARAGANDA

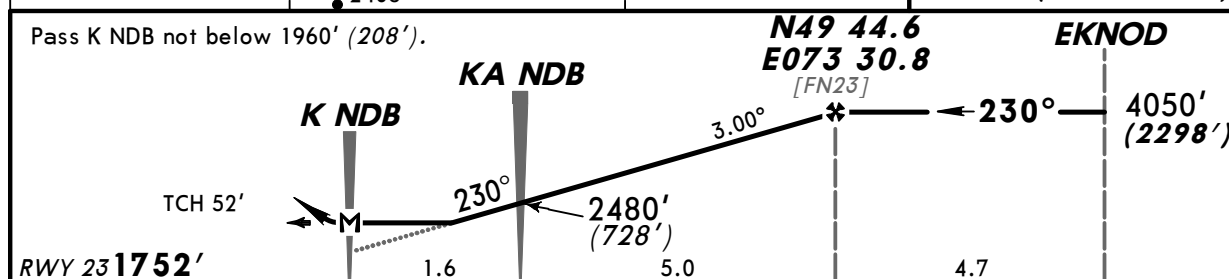
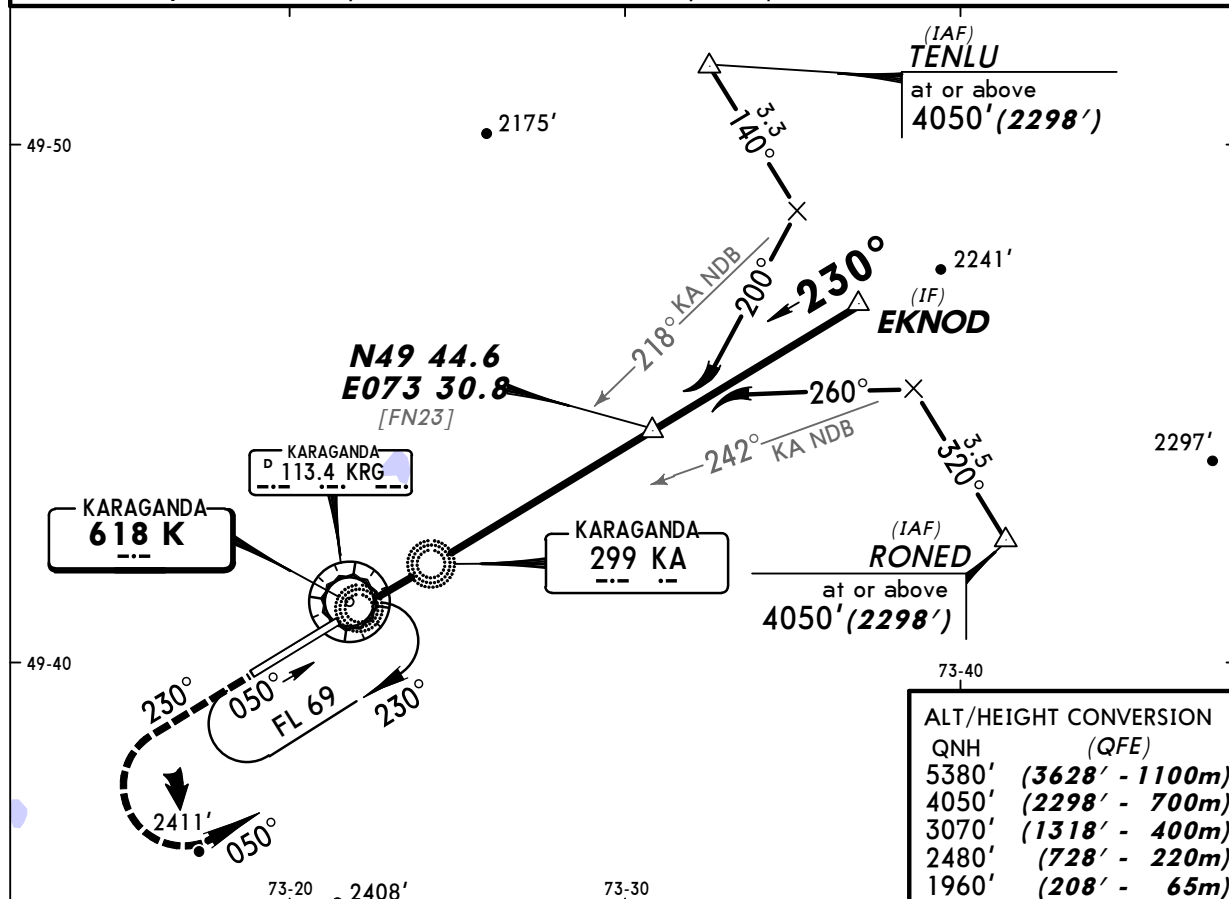
JEPPESSEN KARAGANDA, KAZAKHSTAN

2 APR 10 **(16-2)** Eff 8 Apr

2 NDB Rwy 23

BRIEFING STRIP

*KARAGANDA Approach		*KARAGANDA Tower		*Ground	5000' MSA K NDB
122.0		118.3		118.3	
NDB K 618	Final Apch Crs 230°	Minimum Alt N49 44.6 E073 30.8 4050' (2298')	MDA(H) 2090' (338')	Apt Elev 1765' RWY 1752'	
MISSED APCH: Climb on 230° to 3070' (1318'), then turn LEFT onto 050° climbing to 4050' (2298'), then as directed.					
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.					



Gnd speed-Kts	70	90	100	120	140	160	HIALS	3070' (1318')	on 230°	050°	4050' (2298')
Descent angle	3.00°	372	478	531	637	743	849	PAPI		LT	
MAP at K NDB											

STRAIGHT-IN LANDING RWY 23							
MDA(H) 2090' (338')							
ALS out							
A							
B	1500m			RVR 1500m VIS 1600m			
C							
D	RVR 1500m VIS 1600m						

PANS OPS

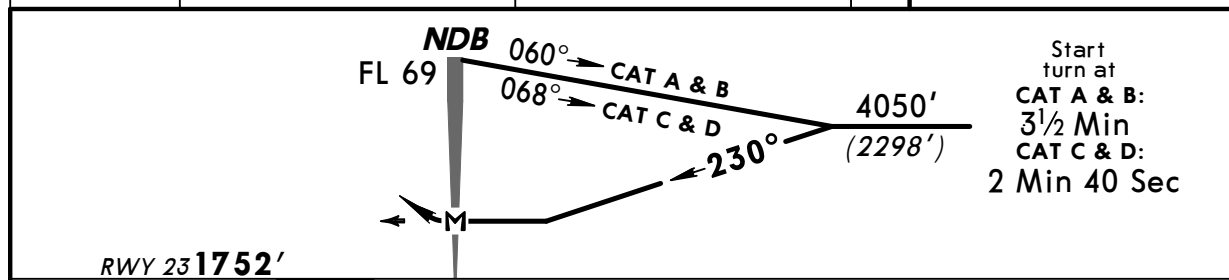
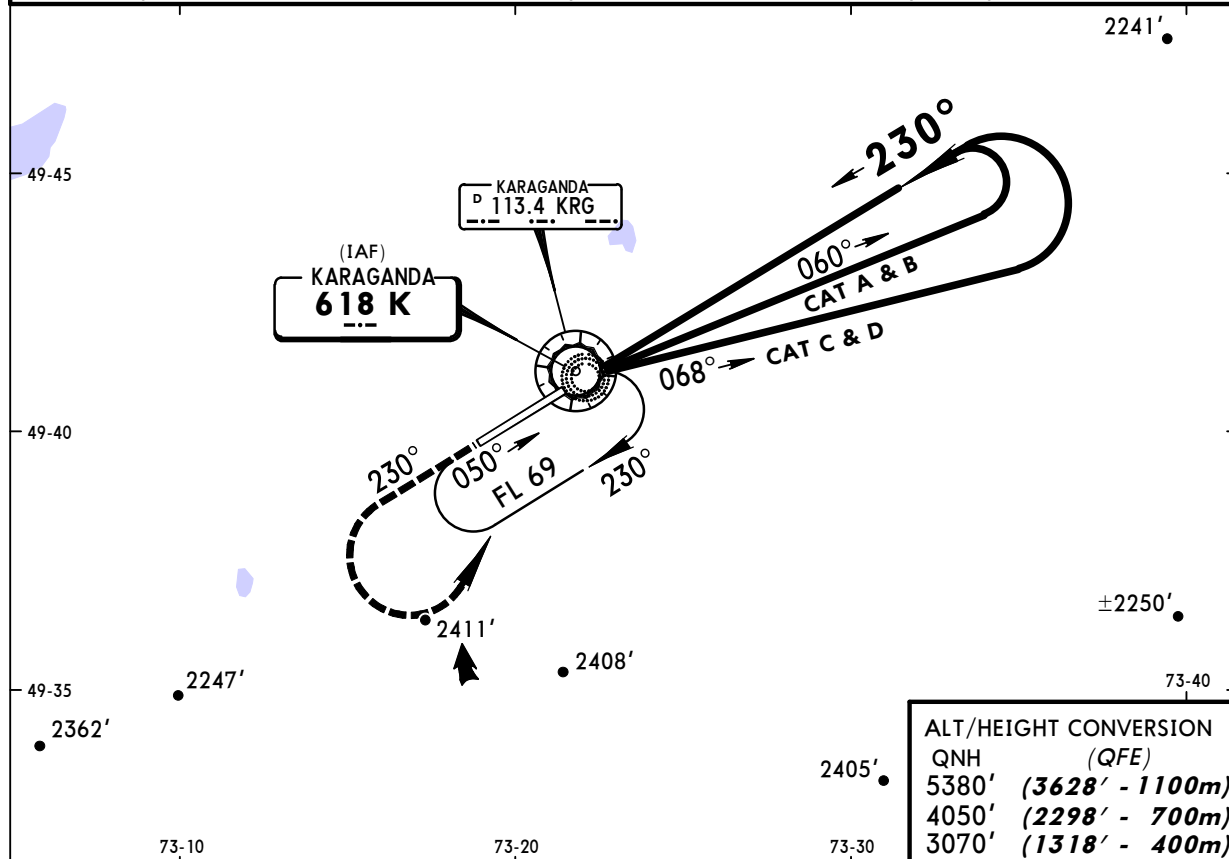
UAKK/KGF KARAGANDA



JEPPesen KARAGANDA, KAZAKHSTAN
2 APR 10 **(16-3)** Eff 8 Apr **NDB Rwy 23**

BRIEFING STRIP

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MAP at NDB				HIALS PAPI		3070' (1318') or above	on 230°
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STRAIGHT-IN LANDING RWY 23				ALS out	
MDA(H) AB: 2530' (778') CD: 2740' (988')					
A	3000m				
B					
C	5000m				
D					

PANS OPS