

Page 1

Changed chart(s) since Disc 10-2010

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

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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Minsk, (Minsk-1 - UMMM)

DEL	GOVIK, KI, KOLOS & LUPAN 1D ...	20-2D	21 май 2010	03 июн 2010
ADD	GOVIK, KOLOS, LUPAN & OSM...	20-2D	21 май 2010	03 июн 2010
DEL	GOVIK, KI, KOLOS & LUPAN 2D ...	20-2E	21 май 2010	03 июн 2010
ADD	GOVIK, KOLOS, LUPAN & OSM...	20-2E	21 май 2010	03 июн 2010
DEL	GOVIK, KOLOS & LUPAN 3D, KI ...	20-3D	21 май 2010	03 июн 2010
ADD	GOVIK, KOLOS & LUPAN 3D, O...	20-3D	21 май 2010	03 июн 2010
DEL	GOVIK, KI, KOLOS & LUPAN 4D ...	20-3E	21 май 2010	03 июн 2010
ADD	GOVIK, KOLOS, LUPAN & OSM...	20-3E	21 май 2010	03 июн 2010

TERMINAL CHART NOTAMs

Chart NOTAMs for Airport UMMM

Type: Terminal

Effectivity: Temporary

Begin Date: Immediately

End Date: Until Further Notice

(21-1) Missed apch turning point D26.6/R-249 MNS should read D14.4/R-249 MNS. (26-1) Missed apch turning point D41.9/R-270 should read D22.6/R-270.

UMMM (Minsk-1)**General Info**

Minsk, BLR

N 53° 51.9' E 27° 32.4' Mag Var: 5.6°E

Elevation: 749'

Public, IFR, Control Tower, Customs, Landing Fee,

Jet Starting Unit available

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+2:00 uses DST

Runway Info

Runway 12-30 6562' x 197' asphalt

Runway 12 (118.0°M) TDZE 748'

Lights: Edge, ALS

Displaced Threshold Distance 328'

Runway 30 (298.0°M) TDZE 719'

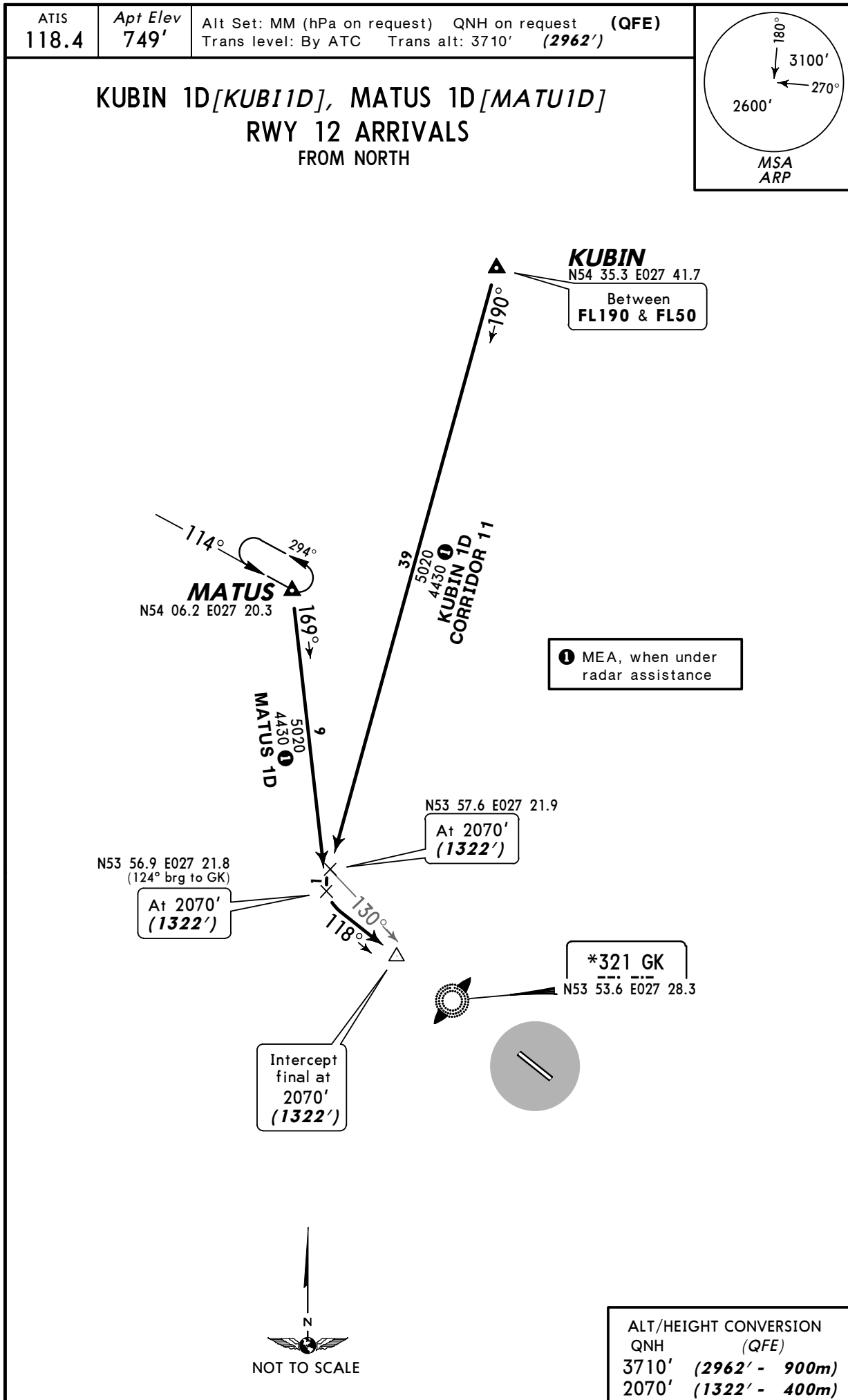
Lights: Edge, ALS

Communications InfoATIS **118.4**Minsk 1 Start Tower **128.0**Minsk Radar Approach Control **125.25** Non-EnglishMinsk Approach Control **125.9****Notebook Info**

UMMM/MHP
MINSK-1

JEPPESEN
4 DEC 09 **20-2** Eff 17 Dec

MINSK, BELARUS
STAR



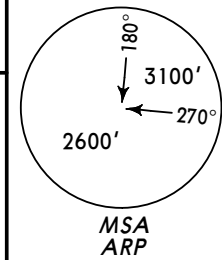
UMMM/MHP
MINSK-1

JEPPesen
4 DEC 09 **(20-2A)** Eff 17 Dec

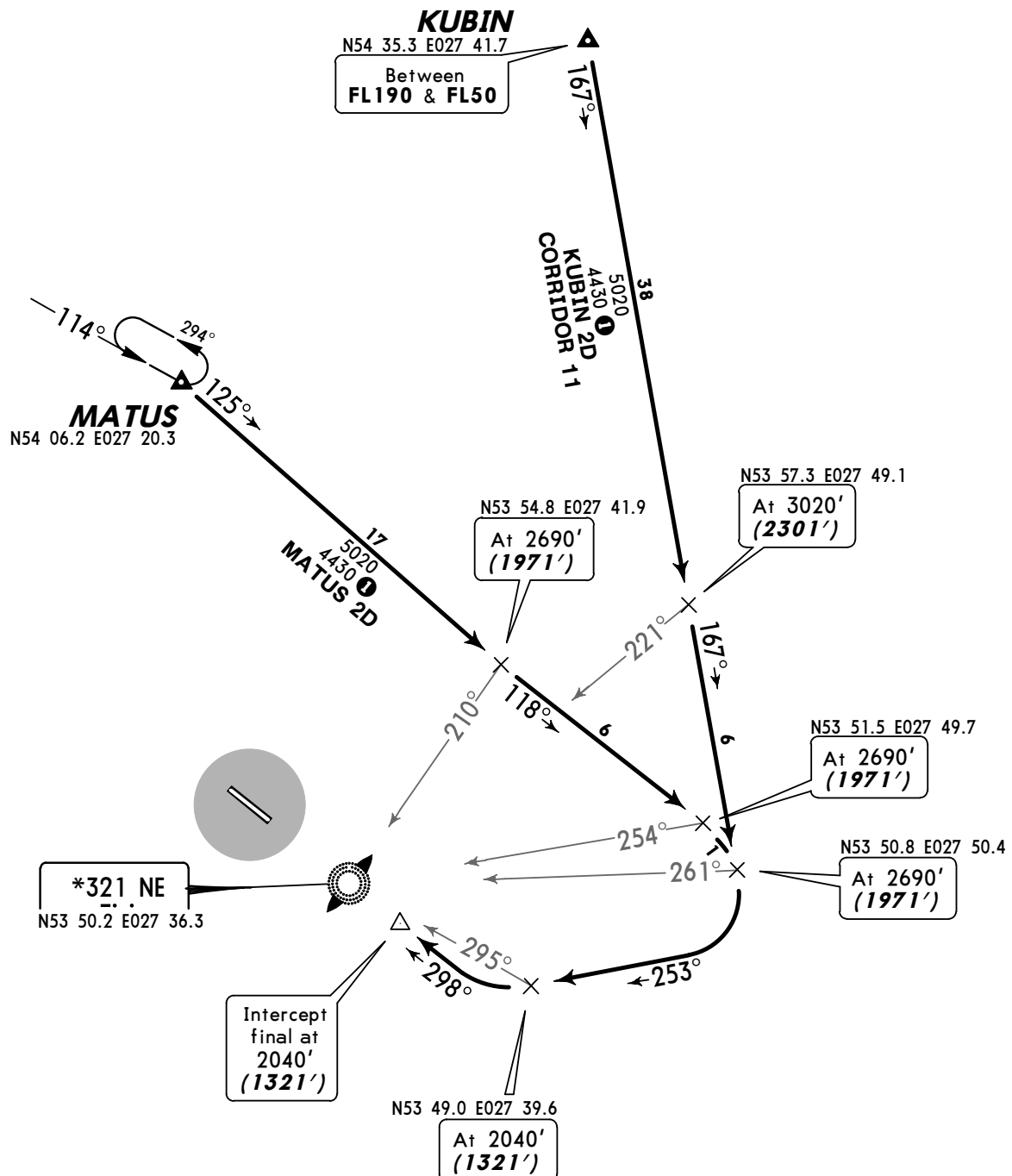
MINSK, BELARUS

STAR

ATIS **118.4** Apt Elev **749'** Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3710' (**2991'**)



KUBIN 2D [KUBI2D], MATUS 2D [MATU2D]
RWY 30 ARRIVALS
FROM NORTH



① MEA, when under
radar assistance

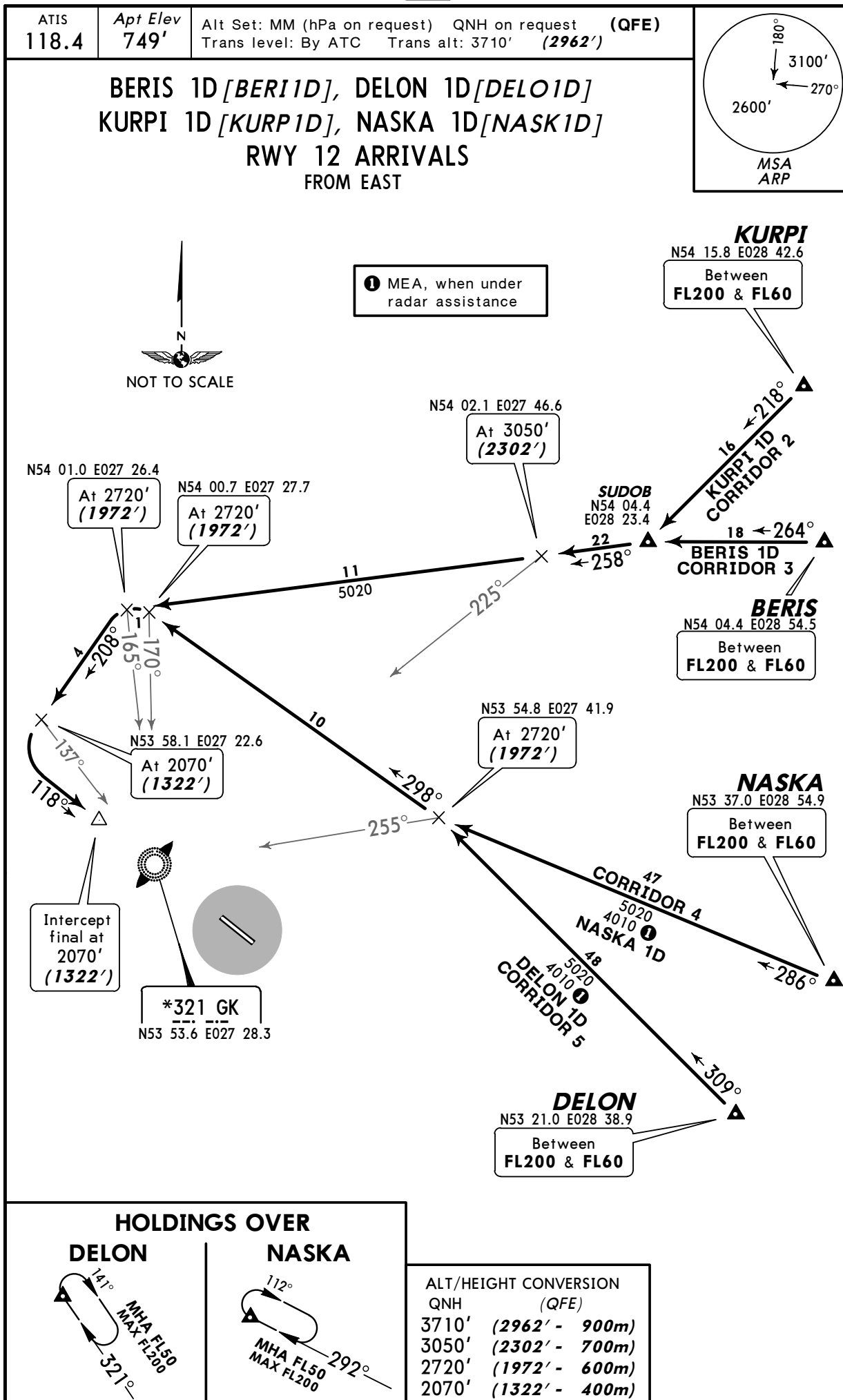


ALT/HEIGHT CONVERSION		
QNH	(QFE)	
3710'	(2991' -	900m)
3020'	(2301' -	700m)
2690'	(1971' -	600m)
2040'	(1321' -	400m)

UMMM/MHP
MINSK-1

JEPPESEN
4 DEC 09 **(20-2B)** Eff 17 Dec

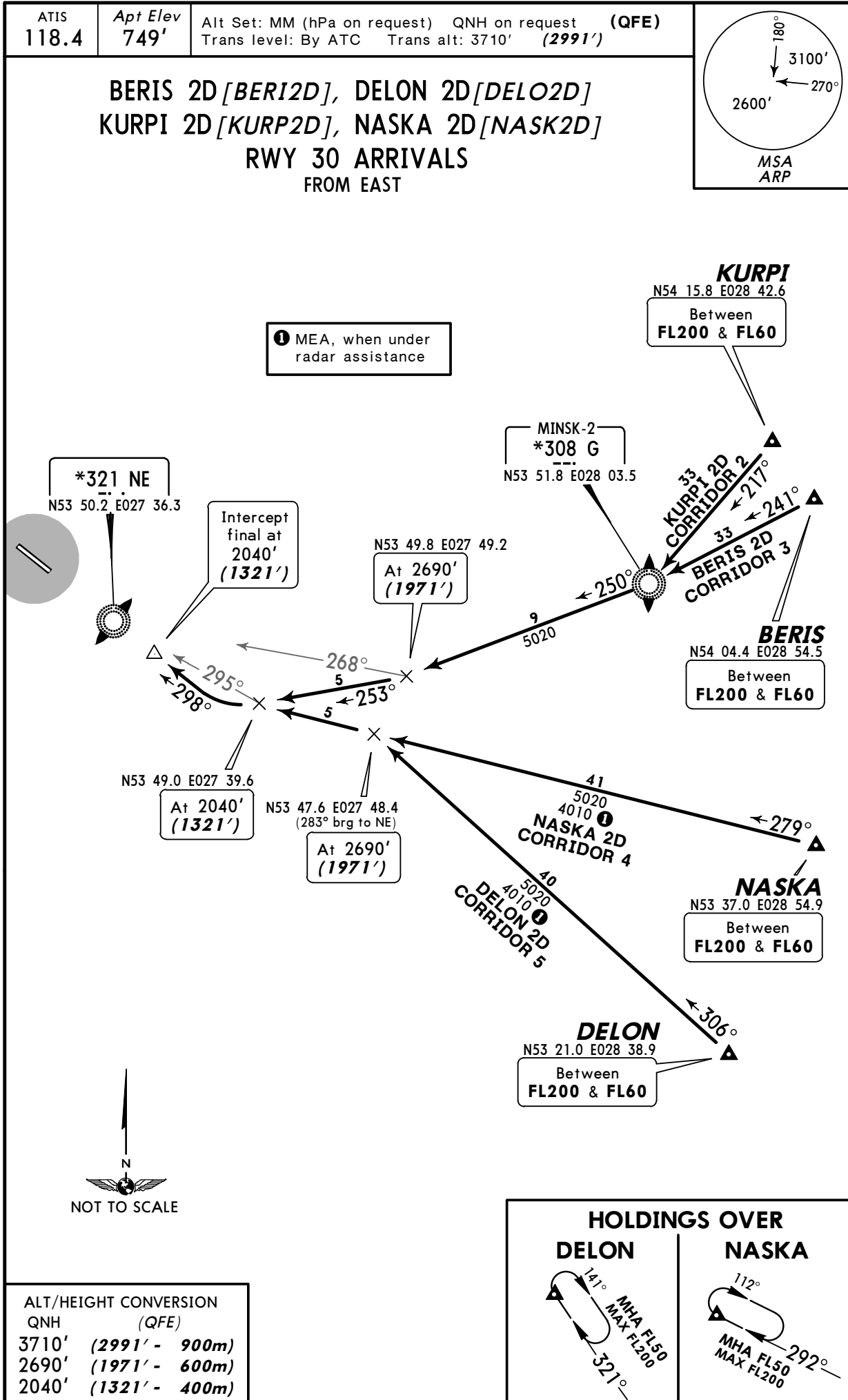
MINSK, BELARUS
STAR



UMMM/MHP
MINSK-1

JEPPesen
4 DEC 09 **(20-2C)** Eff 17 Dec

MINSK, BELARUS
STAR



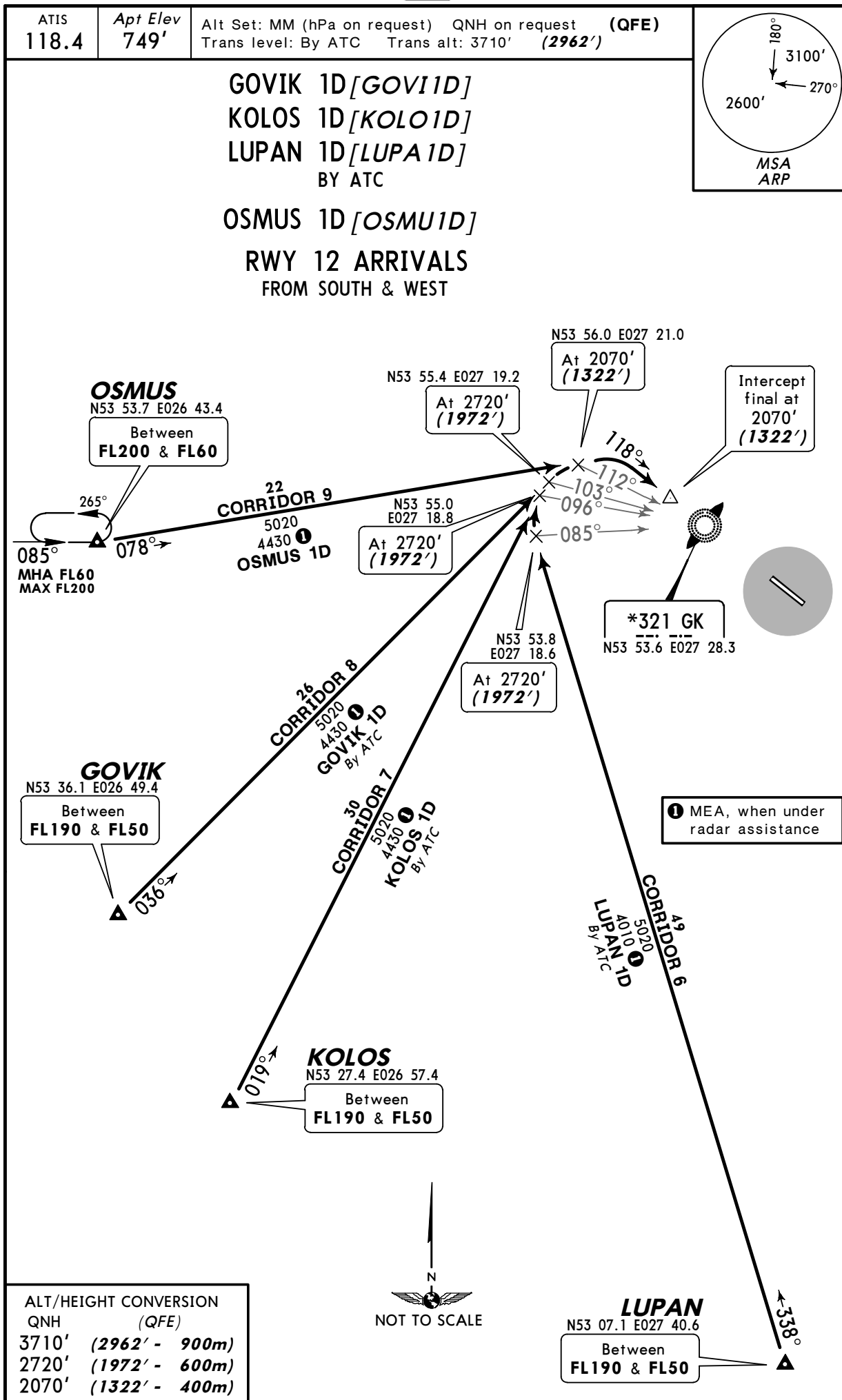
CHANGES: ATIS commissioned.

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UMMM/MHP
MINSK-1

JEPPESSEN
21 MAY 10 **(20-2D)** **Eff 3 Jun**

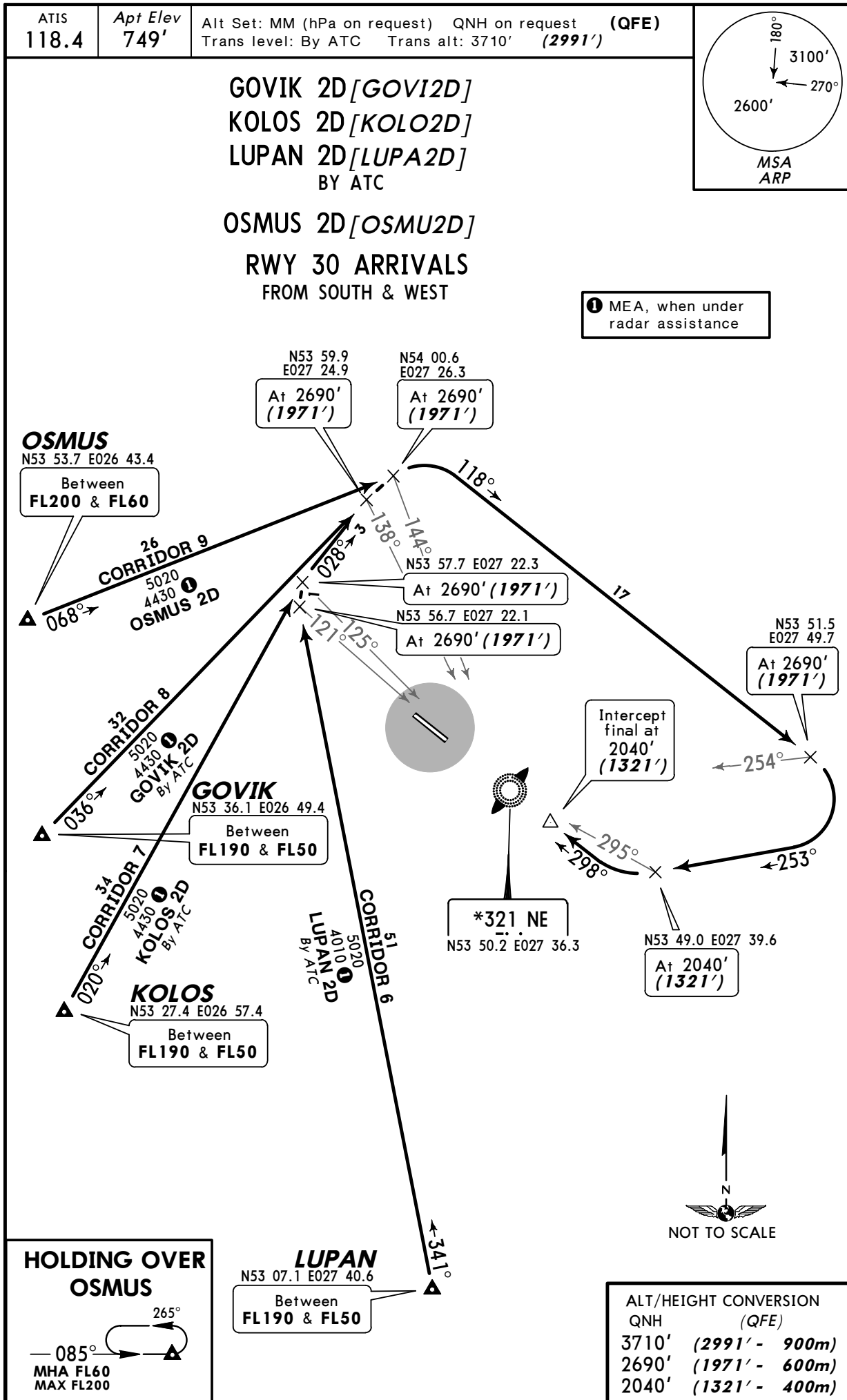
MINSK, BELARUS
STAR



UMMM/MHP
MINSK-1

JEPPESEN
21 MAY 10 **20-2E** **Eff 3 Jun**

MINSK, BELARUS
STAR



UMMM/MHP
MINSK-1

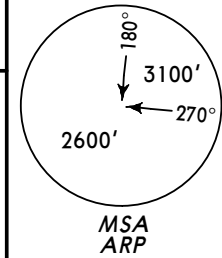
JEPPesen
4 DEC 09 **20-3** Eff 17 Dec

MINSK, BELARUS

SID

Apt Elev
749'

QNH on request **(QFE)**
Trans level: By ATC Trans alt: 3710' **(2962')**



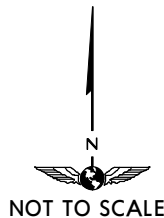
KUBIN 3D [KUBI3D], KUBIN 3E [KUBI3E] ①
LENOK 3D [LENO3D], LENOK 3E [LENO3E] ①
PENAL 3D [PENA3D]
RWY 12 DEPARTURES
TO NORTH

LENOK
N54 33.1 E027 26.5
Between
FL60 & FL200

① By ATC.

KUBIN
N54 35.3 E027 41.7
Between
FL60 & FL200

PENAL
N54 31.1 E028 31.3
Between
FL50 & FL190



***321 GK**
N53 53.6 E027 28.3

N53 58.2 E027 33.7

LIRNI
N54 10.0
E028 59.9

N53 52.1 E027 43.7
At 3050'
(2302')

N53 49.7 E027 37.6
At 2390'
(1642')

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2390'	(1642' - 500m)
3050'	(2302' - 700m)
3710'	(2962' - 900m)

UMMM/MHP
MINSK-1

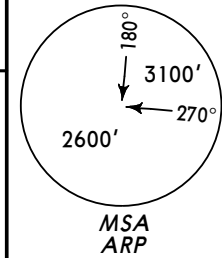
JEPPESEN
4 DEC 09 **(20-3A)** Eff 17 Dec

MINSK, BELARUS

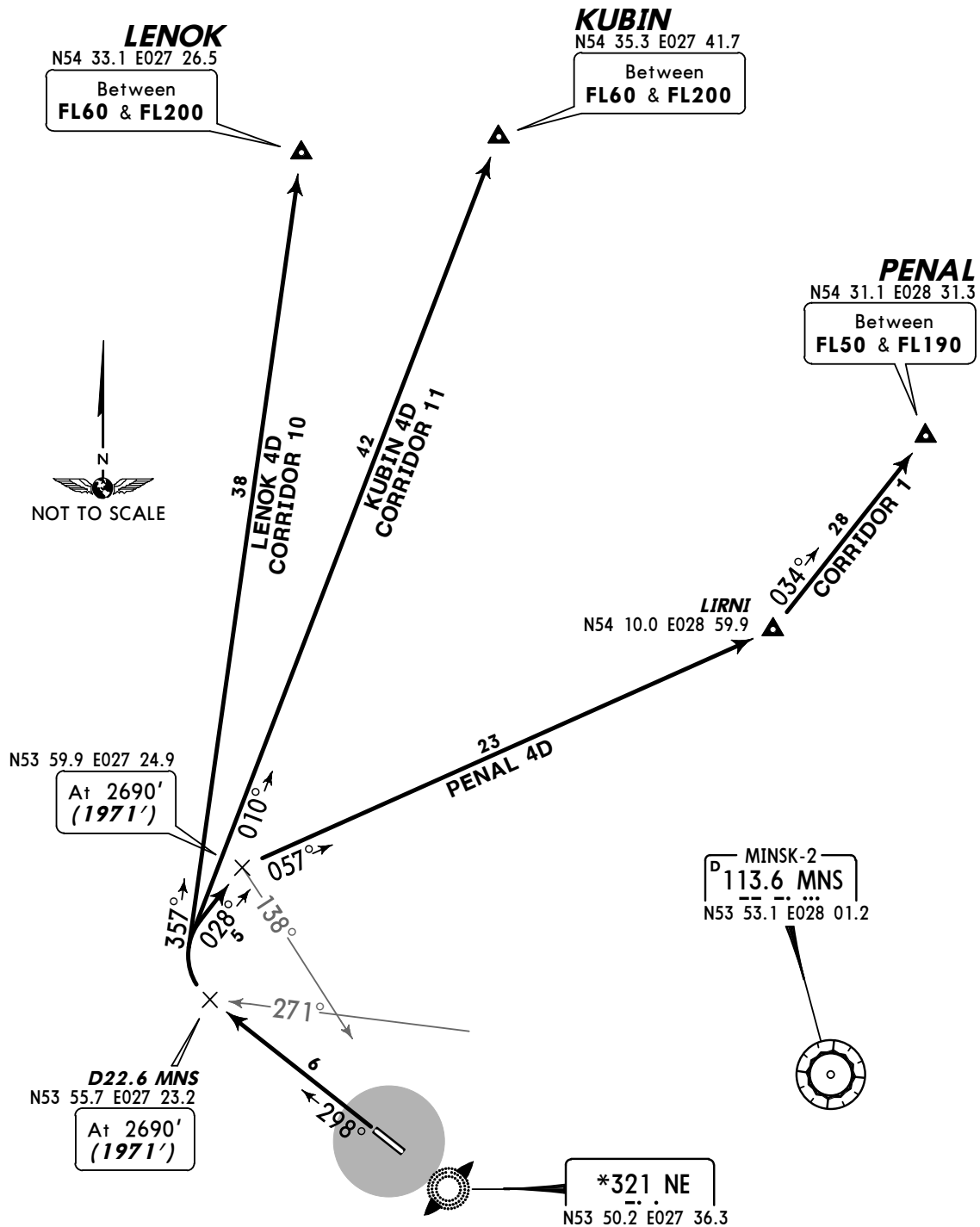
SID

Apt Elev
749'

QNH on request **(QFE)**
Trans level: By ATC Trans alt: 3710' **(2991')**



KUBIN 4D [KUBI4D]
LENOK 4D [LENO4D]
PENAL 4D [PENA4D]
RWY 30 DEPARTURES
TO NORTH



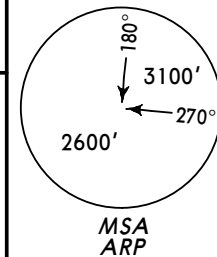
ALT/HEIGHT CONVERSION	
QNH	(QFE)
2690'	(1971' - 600m)
3710'	(2991' - 900m)

UMMM/MHP
MINSK-1

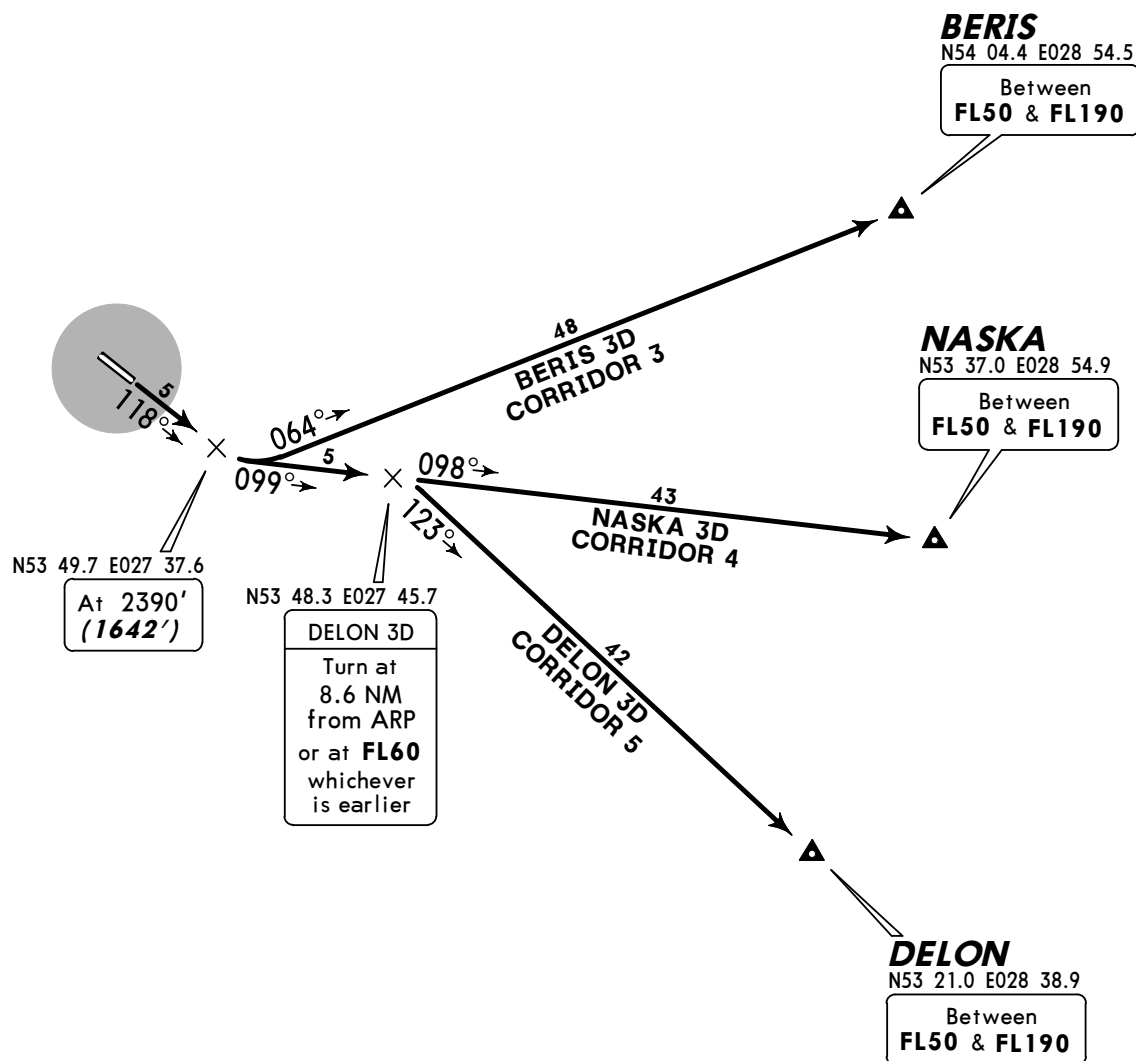
JEPPESEN
4 DEC 09 **(20-3B)** Eff 17 Dec

MINSK, BELARUS
SID

Apt Elev **749'** QNH on request **(QFE)**
Trans level: By ATC Trans alt: 3710' **(2962')**



BERIS 3D [BERI3D]
DELON 3D [DELO3D]
NASKA 3D [NASK3D]
RWY 12 DEPARTURES
TO EAST



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2390'	(1642' - 500m)
3710'	(2962' - 900m)

UMMM/MHP
MINSK-1

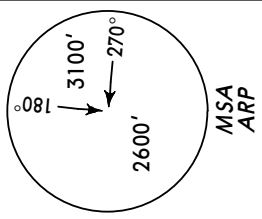
JEPPESSEN
4 DEC 09 (20-3C) Eff 17 Dec

MINSK, BELARUS

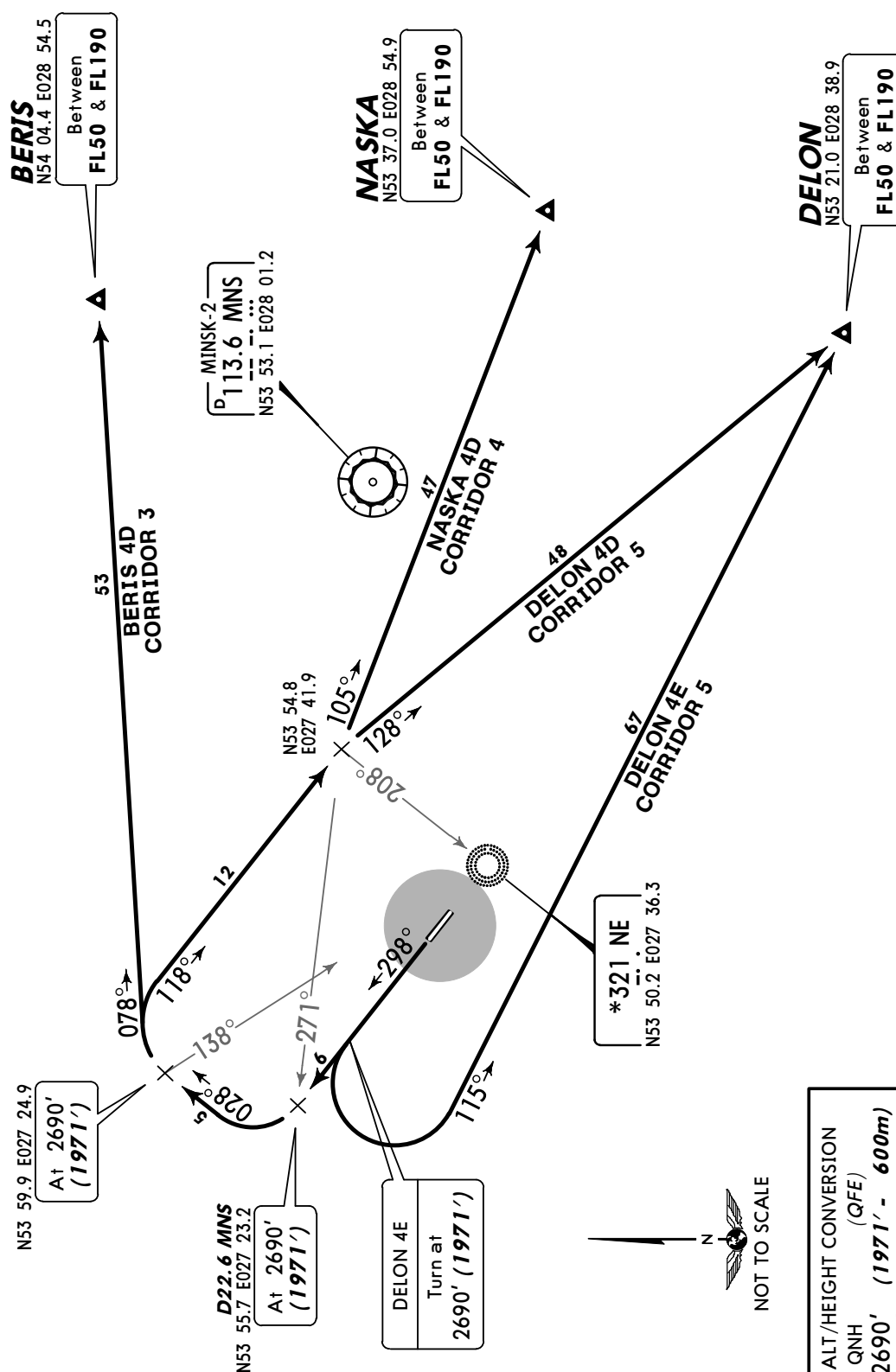
SID

Apt Elev
749'

QNH on request **(QFE)**
Trans level: By ATC Trans alt: 3710' **(2991')**



BERIS 4D [BERI4D]
 DELON 4D [DELO4D]
 DELON 4E [DELO4E]
 NASKA 4D [NASK4D]
 RWY 30 DEPARTURES
 TO EAST



NOT TO SCALE

ALT/HEIGHT CONVERSION	(QFE)
QNH	
2690'	(1971' - 600m)
3710'	(2991' - 900m)

UMMM/MHP
MINSK-1

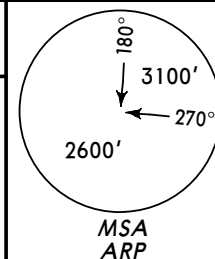
JEPPESEN
21 MAY 10 (20-3D) Eff 3 Jun

MINSK, BELARUS

SID

Apt Elev
749'

QNH on request **(QFE)**
Trans level: By ATC Trans alt: 3710' **(2962')**



GOVIK 3D[GOVI3D]①, KOLOS 3D[KOLO3D]①
LUPAN 3D[LUPA3D]①
OSMUS 3D[OSMU3D], OSMUS 3E[OSMU3E]①
RWY 12 DEPARTURES
TO SOUTH & WEST

① By ATC.

N54 00.7 E027 27.7

At or above
FL60

GOVIK 3D
KOLOS 3D
LUPAN 3D
OSMUS 3E

Turn at
10' (**662'**)

OSMUS

N53 53.7 E026 43.4

Between
FL60 & FL200

***321 GK**

N53	53.6	E027	28.3
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N53 52.1
E027 43.7

At 3050'
(2302')

GOVIK

N53 36.1 E026 49.4

Between
FL60 & FL200

N53 49.7 E027 37.6

At 2390'
(1642')

35
GOVIK 3D ①
CORRIDOR 8
35

35
KOLOS 3D 1
CORRIDOR 7

KOŁOS

N53 27.4 E026 57.4

Between
FL60 & FL200

LUPAN

N53 07.1 E027 40.6

Between
FL60 & FL200

ALT/HEIGHT CONVERSION	
QNH	(QFE)
1410'	(662' - 200m)
2390'	(1642' - 500m)
3050'	(2302' - 700m)
3710'	(2962' - 900m)



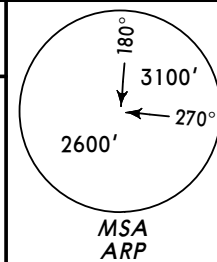
UMMM/MHP
MINSK-1

JEPPESSEN
21 MAY 10 **(20-3E)** **Eff 3 Jun**

MINSK, BELARUS
SID

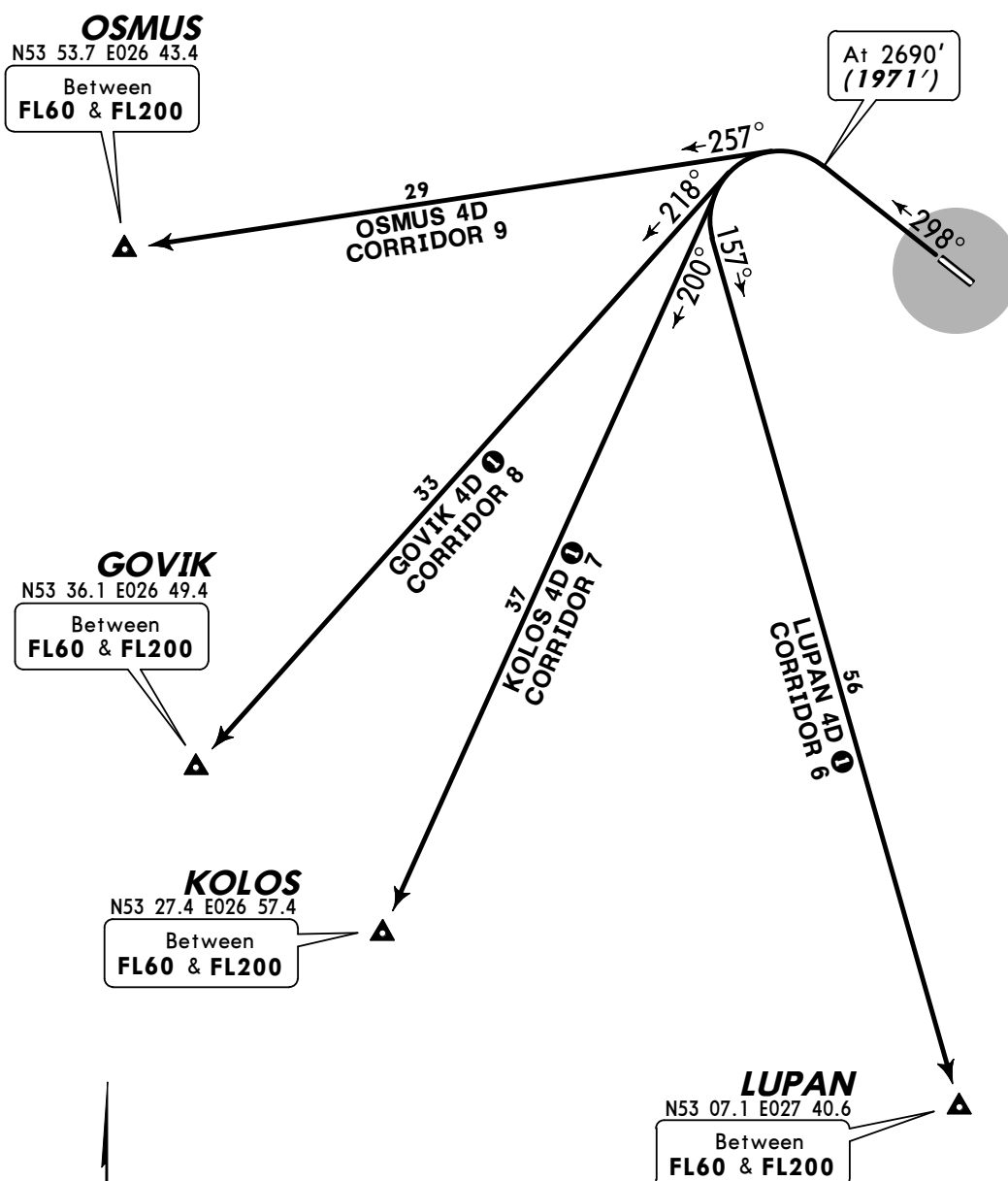
Apt Elev
749'

QNH on request **(QFE)**
Trans level: By ATC Trans alt: 3710' **(2991')**



GOVIK 4D [GOVI4D] ①, KOLOS 4D [KOLO4D] ①
LUPAN 4D [LUPA4D] ①, OSMUS 4D [OSMU4D]
RWY 30 DEPARTURES
TO SOUTH & WEST

① By ATC.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2690'	(1971' - 600m)
3710'	(2991' - 900m)

UMMM/MHP

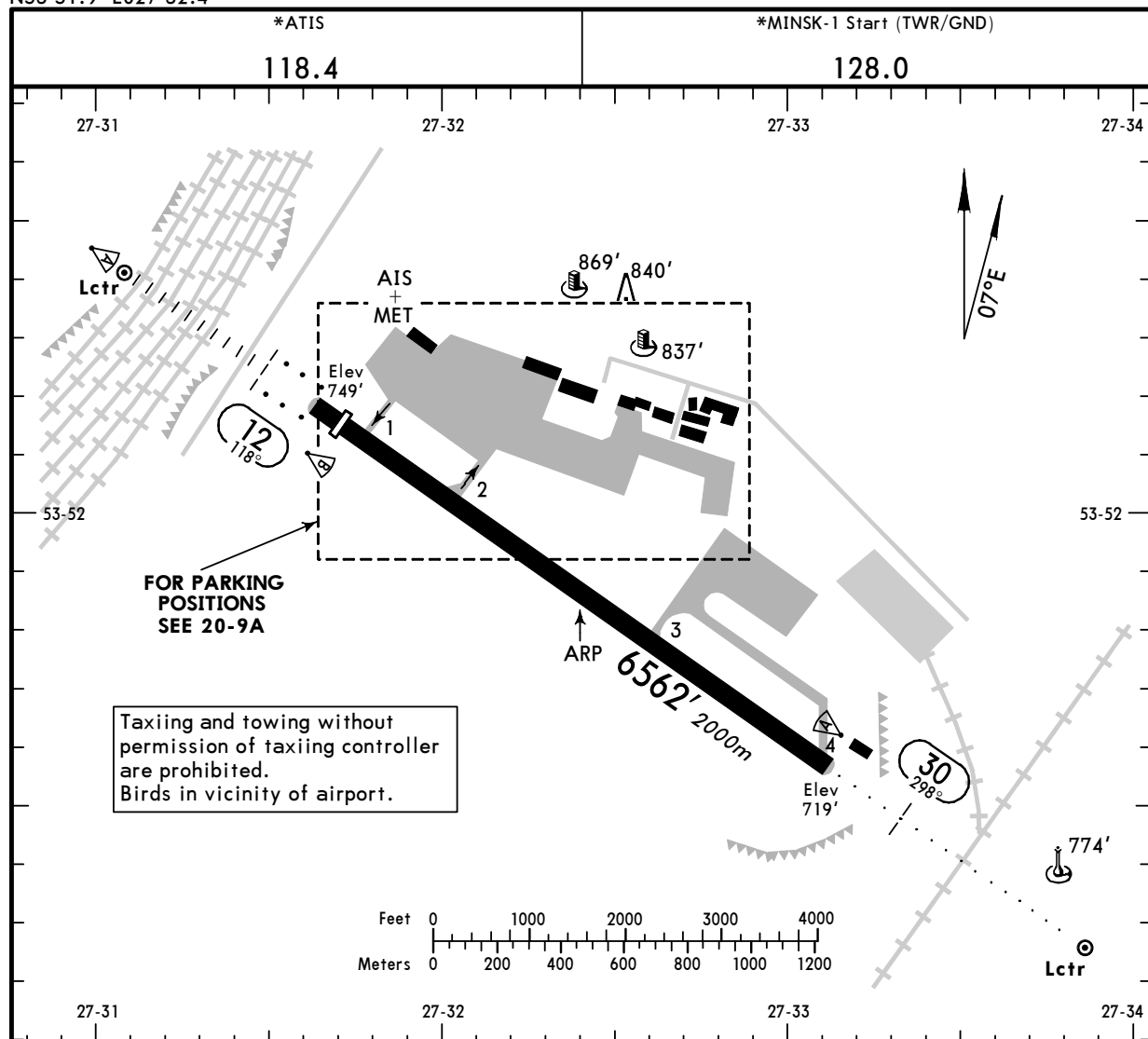
Apt Elev **749'**
N53 51.9 E027 32.4

JEPPesen

4 DEC 09 **(20-9)** Eff 17 Dec

MINSK, BELARUS

MINSK-1



ADDITIONAL RUNWAY INFORMATION

RWY				RVR	USABLE LENGTHS		TAKE-OFF	WIDTH
					Threshold	Glide Slope		
12	30	RL (50m)	ALS		6234' 1900m	5483' 1671m		197' 60m

TAKE-OFF

AIR CARRIER (JAA)

All Rwys

LVP must be in force

RCLM (DAY only)
or RL

RCLM (DAY only)
or RL

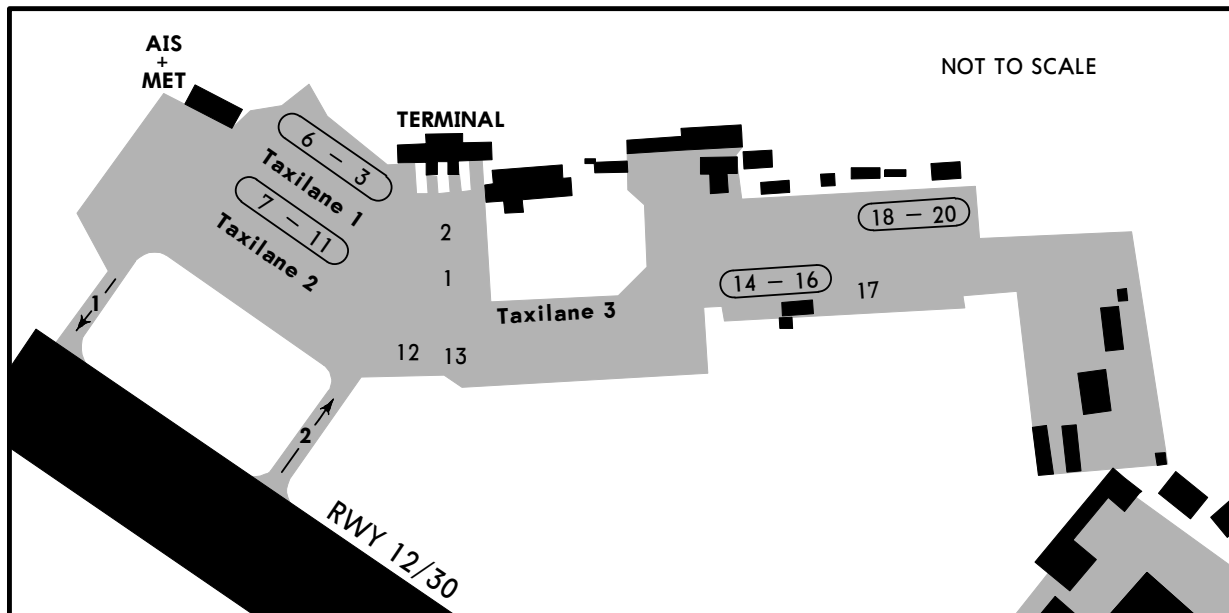
A		
B	250m	400m
C		
D	300m	

UMMM/MHP

JEPPESEN
4 DEC 09 **(20-9A)** **Eff 17 Dec**

MINSK, BELARUS

MINSK-1



INS COORDINATES

STAND No.	COORDINATES
1, 2	N53 52.2 E027 32.1
3 thru 6	N53 52.3 E027 32.0
7, 8	N53 52.2 E027 31.9
9 thru 11	N53 52.2 E027 32.0

Taxiing and towing without permission of taxiing controller are prohibited.
Stands 12, 14 thru 16 and 18 thru 20 available for helicopters.

UMMM/MHP

JEPPESEN
27 OCT 00 **(20-9X)**

JAA MINIMUMS
MINSK, BELARUS
MINSK-1

STRAIGHT-IN RWY		A	B	C	D
12	ILS	948' (200')	958' (210')	968' (220')	978' (230')
		R800m	R800m	R800m	R800m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	NDB	1600' (852')	1600' (852')	1600' (852')	1600' (852')
		R1500m	R1500m	R2000m	R2000m
30	NDB	1050' (331')	1050' (331')	1050' (331')	1050' (331')
		R1300m	R1400m	R1600m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m

TAKE-OFF RWY 12, 30

LVP must be in Force			
RCLM (DAY only) or RL		RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

UMMM/MHP
MINSK-1

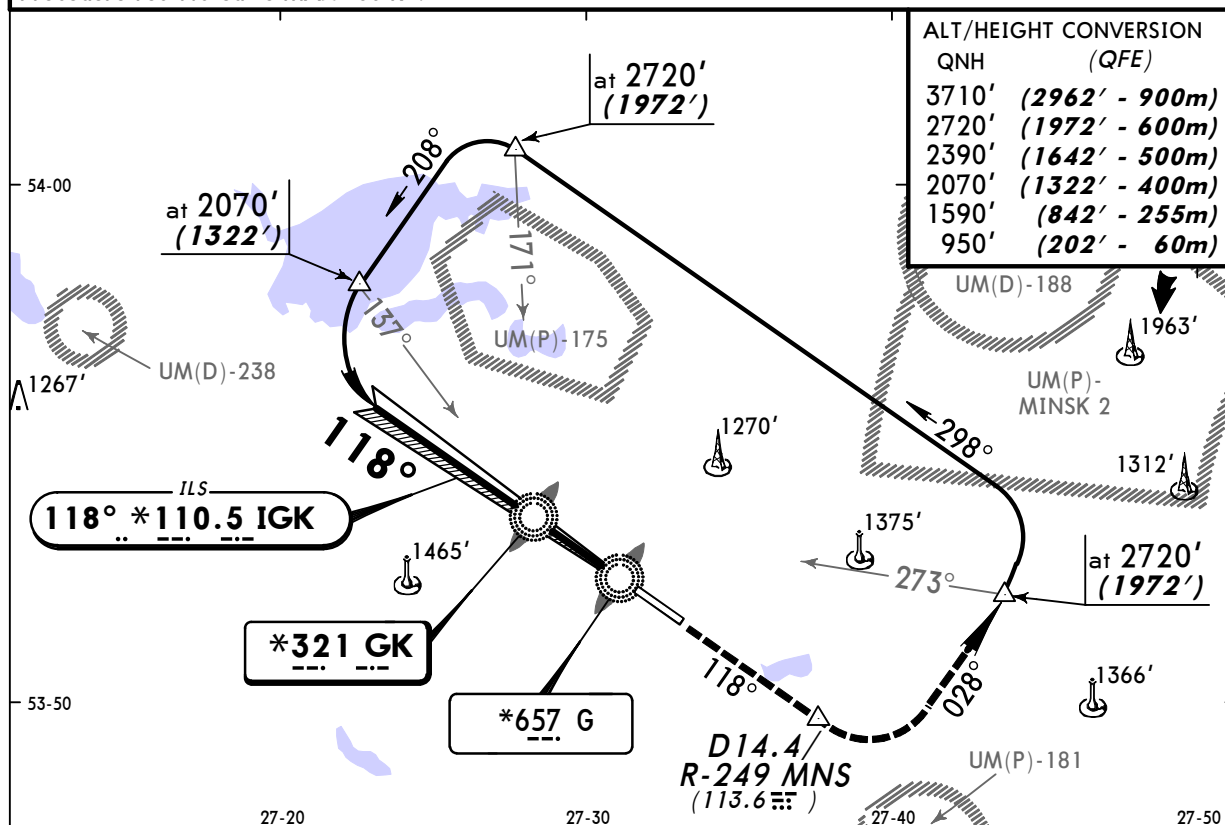
JEPPesen
4 DEC 09 **(21-1)** Eff 17 Dec

MINSK, BELARUS
ILS or 2 NDB Rwy 12

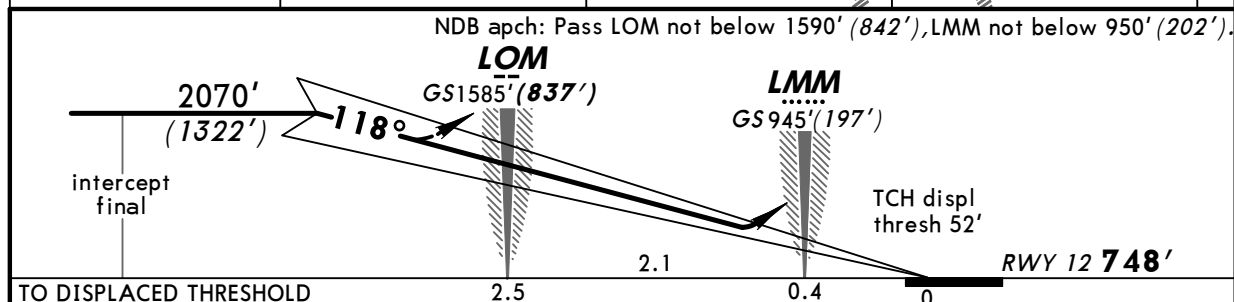
BRIEFING STRIP

MISSED APCH: Climb on 118° to 2390' (1642'). Not before 3.8 NM from ARP or D14.4/R-249 MNS turn LEFT onto 028° climbing to 2720' (1972'), then according to chart.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3710' (2962')
Procedure restricted to MAX 160 KT.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3710'	(2962' - 900m)
2720'	(1972' - 600m)
2390'	(1642' - 500m)
2070'	(1322' - 400m)
1590'	(842' - 255m)
950'	(202' - 60m)



TO DISPLACED THRESHOLD							ALS 2390' (1642') on 118°
Gnd speed-Kts	70	90	100	120	140	160	
ILS GS or NDB Descent angle 3.00°	377	484	538	646	753	861	

STRAIGHT-IN LANDING RWY 12									
DA(H)		ILS		LOC (GS out)		NDB			
A: 948'(200')		C: 968'(220')				MDA(H) 1600'(852')			
B: 958'(210')		D: 978'(230')							
FULL		ALS out				ALS out			
A	1200m			NOT AUTH		3200m			
B									
C						4000m			
D						4400m			

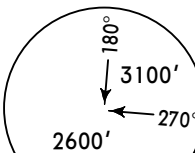
PANS OPS

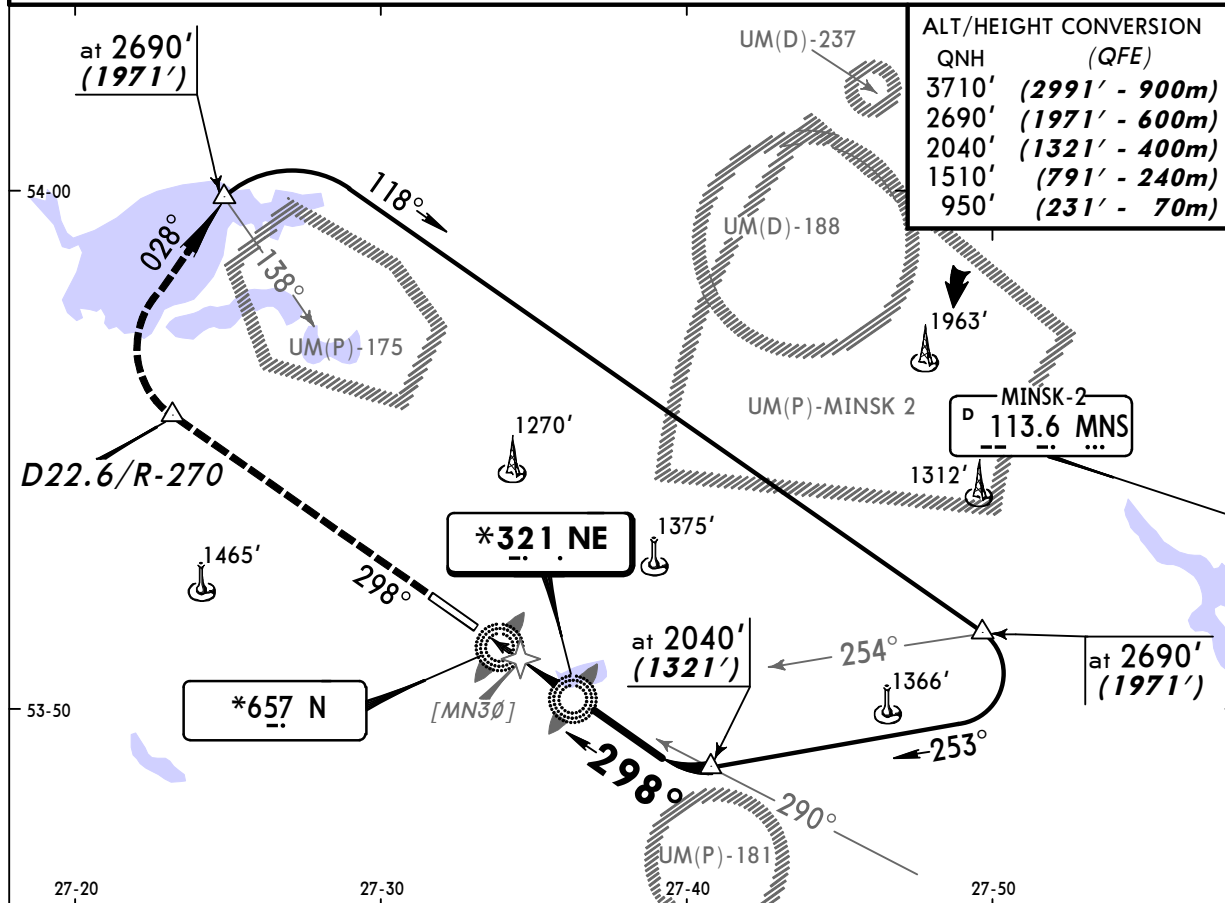
UMMM/MHP
MINSK-1

JEPPESEN
4 DEC 09 **(26-1)** Eff 17 Dec

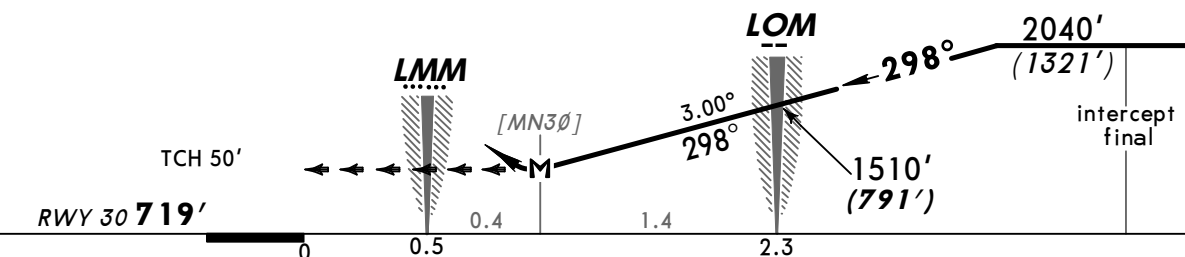
MINSK, BELARUS
2 NDB Rwy 30

BRIEFING STRIP

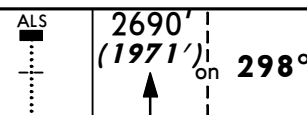
*ATIS 118.4		*MINSK-1 Start (TWR) 128.0		*Ground 128.0		
NDB NE *321	Final Apch Crs 298°	Minimum Alt LOM 1510' (791')	MDA(H) 1050' (331')	Apt Elev 749' RWY 719'		
MISSED APCH: Climb on 298° to 2690' (1971'). Not before 3.8 NM from ARP or D22.6/R-270 turn RIGHT onto 028°, then according to chart.						
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3710' (2991') Procedure restricted to MAX 160 KT.						



Pass LMM not below 950' (231').



Gnd speed-Kts	70	90	100	120	140	160
Descent angle 3.00°	372	478	531	637	743	849
LOM to MAP 1.4	1:12	0:56	0:50	0:42	0:36	0:31



STRAIGHT-IN LANDING RWY 30

MDA(H) **1050' (331')**

ALS out

PANS OPS

A	RVR 1500m VIS 1600m	
B		
C		
D		