

Page 1
Changed chart(s) since Disc 22-2010
ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
Minsk, (Minsk-1 - UMMM)				
REV	KUBIN & MATUS 1D ARRS	20-2	12 ïŸ 2010	18 ïŸ 2010
REV	KUBIN & MATUS 2D ARRS	20-2A	12 ïŸ 2010	18 ïŸ 2010
REV	BERIS, DELON, KURPI & NASK...	20-2B	12 ïŸ 2010	18 ïŸ 2010
REV	BERIS, DELON, KURPI & NASK...	20-2C	12 ïŸ 2010	18 ïŸ 2010
REV	GOVIK, KOLOS, LUPAN & OSM...	20-2D	12 ïŸ 2010	18 ïŸ 2010
REV	GOVIK, KOLOS, LUPAN & OSM...	20-2E	12 ïŸ 2010	18 ïŸ 2010
REV	KUBIN & LENOK 3D & 3E, PENA...	20-3	12 ïŸ 2010	18 ïŸ 2010
REV	KUBIN, LENOK & PENAL 4D DE...	20-3A	12 ïŸ 2010	18 ïŸ 2010
REV	BERIS, DELON & NASKA 3D DE...	20-3B	12 ïŸ 2010	18 ïŸ 2010
REV	BERIS 4D, DELON 4D & 4E, NA...	20-3C	12 ïŸ 2010	18 ïŸ 2010
REV	GOVIK, KOLOS & LUPAN 3D, O...	20-3D	12 ïŸ 2010	18 ïŸ 2010
REV	GOVIK, KOLOS, LUPAN & OSM...	20-3E	12 ïŸ 2010	18 ïŸ 2010
REV	AIRPORT, AIRPORT INFO, TAK...	20-9	05 ïŸ 2010	18 ïŸ 2010
ADD	PARKING STANDS & COORDS, ...	20-9A	05 ïŸ 2010	18 ïŸ 2010
REV	ILS OR 2 NDB RWY 12	21-1	05 ïŸ 2010	18 ïŸ 2010
REV	2 NDB RWY 30	26-1	05 ïŸ 2010	18 ïŸ 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.

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 Info

ATIS **118.4**

Minsk 1 Tower Tower **128.0**

Minsk Radar Approach Control **125.25** Non-English

Notebook Info

UMMM/MHP
MINSK-1

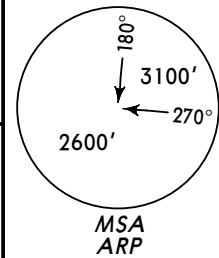
JEPPESEN
12 NOV 10 **20-2** **Eff 18 Nov**

MINSK, BELARUS
STAR

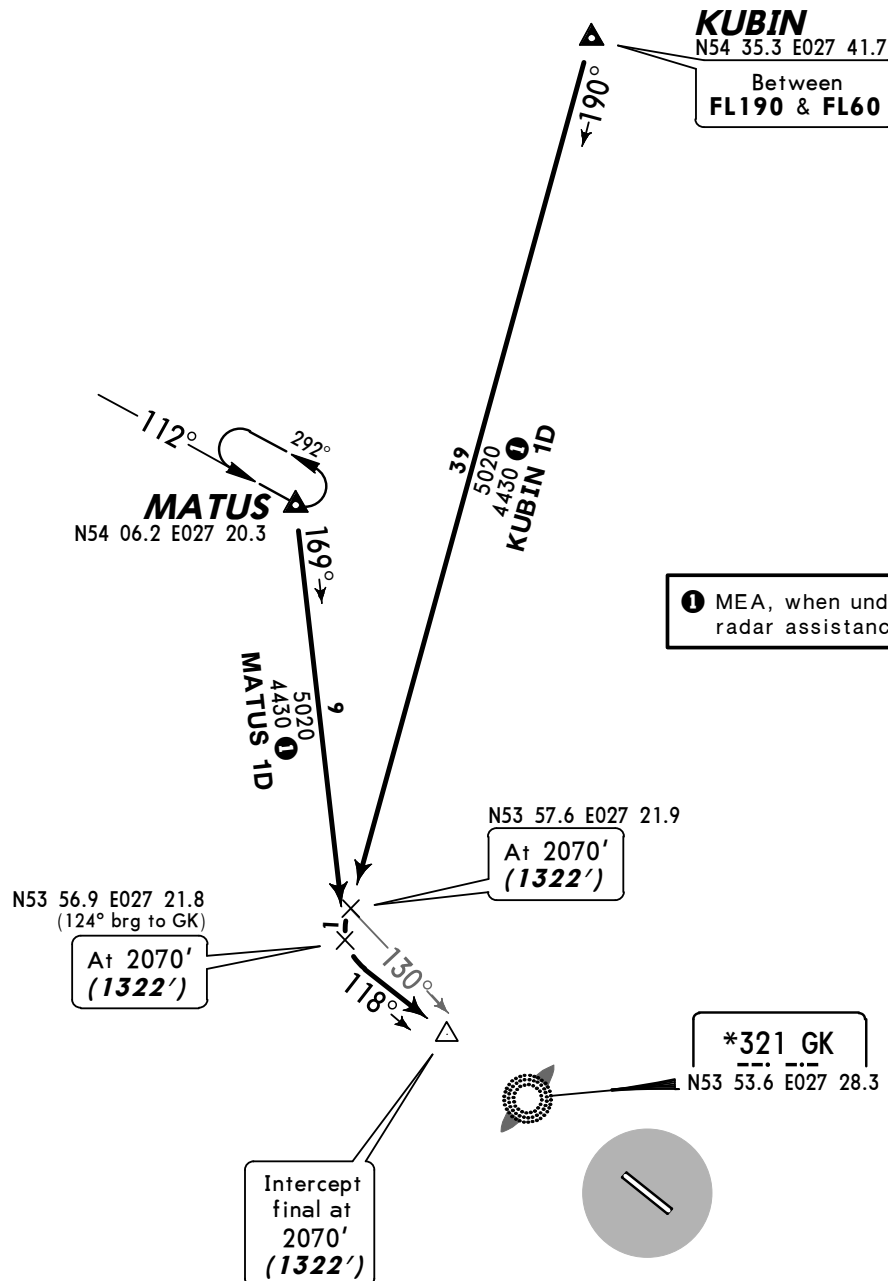
*ATIS
118.4

Apt Elev
749'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL50
FL60 if pressure is less than 733 mm (977.3 hPa)
Trans alt: 3710' **(2962')**



KUBIN 1D[KUBI1D], MATUS 1D[MATU1D]
RWY 12 ARRIVALS
FROM NORTH



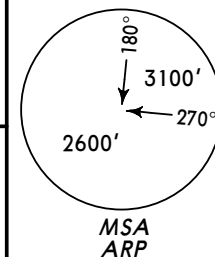
ALT/HEIGHT CONVERSION	
QNH	(QFE)
3710'	(2962' - 900m)
2070'	(1322' - 400m)

UMMM/MHP
MINSK-1

JEPPESSEN
 12 NOV 10 **(20-2A)** **Eff 18 Nov**

MINSK, BELARUS
STAR

*ATIS **118.4** *Apt Elev* **749'** Alt Set: MM (hPa on request) QNH on request **(QFE)**
 Trans level: FL50
 FL60 if pressure is less than 733 mm (977.3 hPa)
 Trans alt: 3710' **(2991')**



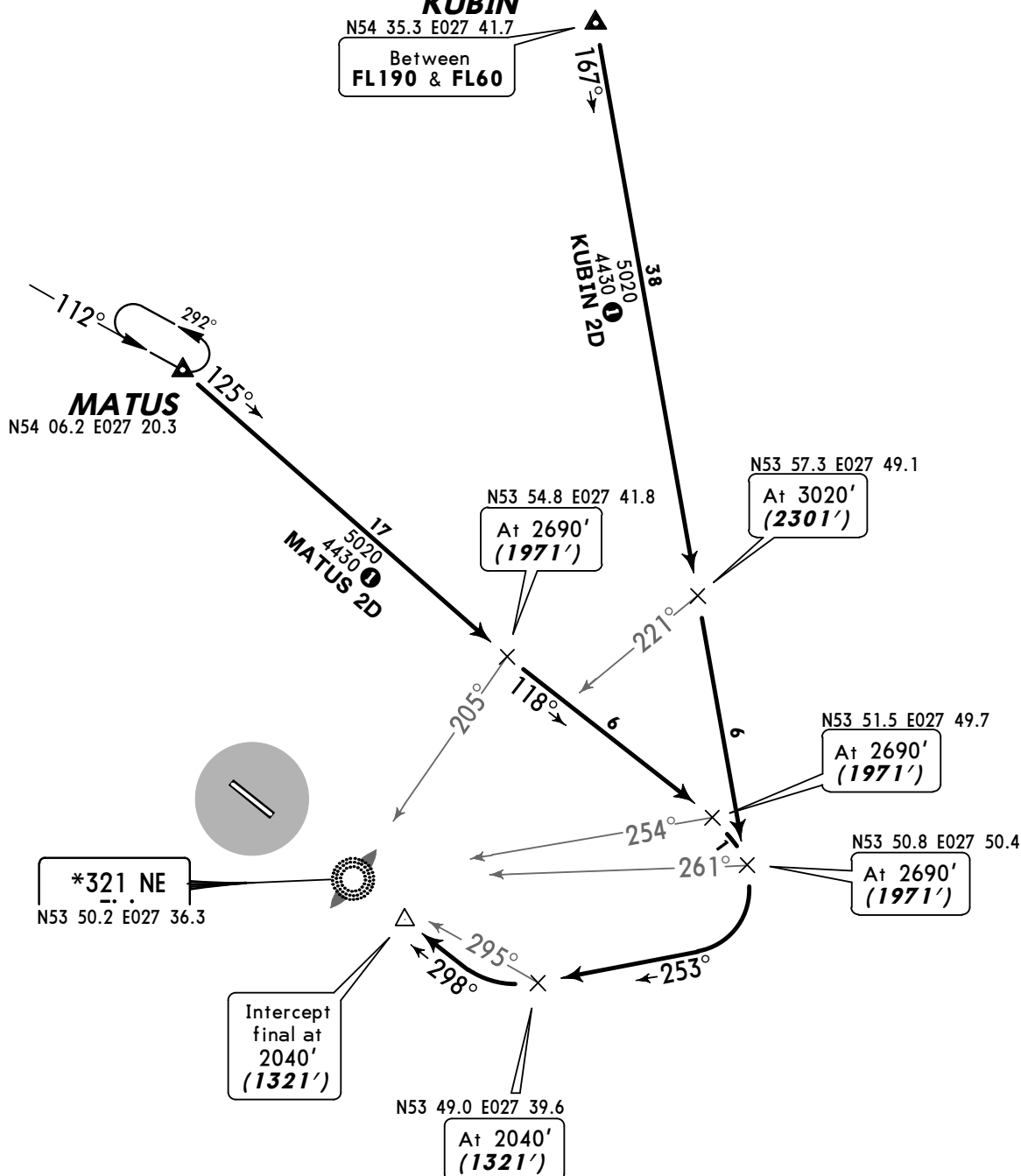
KUBIN 2D [KUBI2D], MATUS 2D [MATU2D]

RWY 30 ARRIVALS

FROM NORTH

KUBIN

N54 35.3 E027 41.7
 Between
FL190 & FL60



① MEA, when under radar assistance

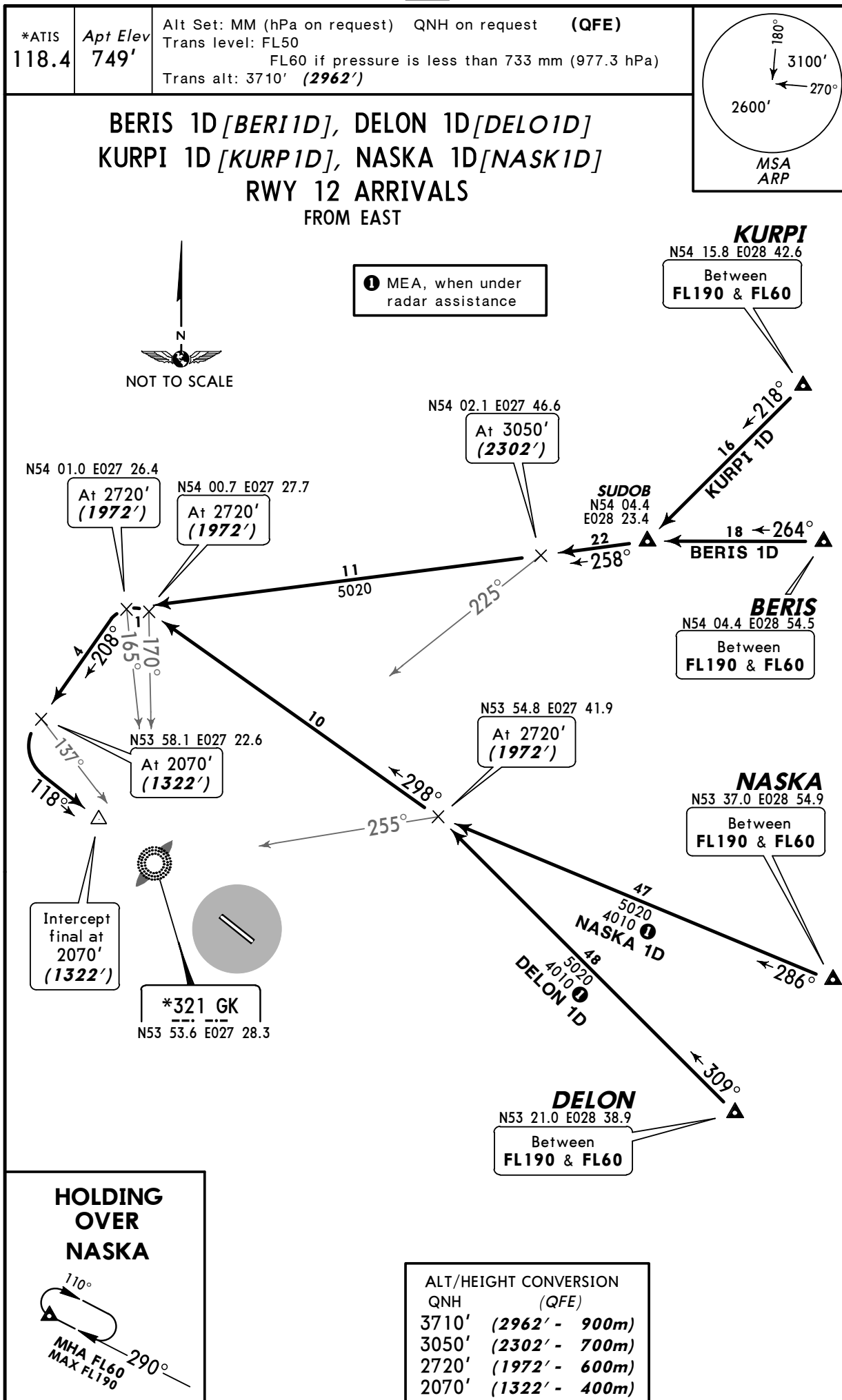


ALT/HEIGHT CONVERSION	
QNH	(QFE)
3710'	(2991' - 900m)
3020'	(2301' - 700m)
2690'	(1971' - 600m)
2040'	(1321' - 400m)

UMMM/MHP
MINSK-1

JEPPESEN
12 NOV 10 **(20-2B)** **Eff 18 Nov**

MINSK, BELARUS
STAR

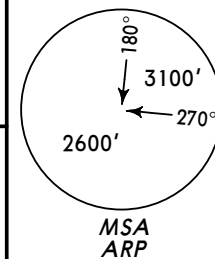


UMMM/MHP
MINSK-1

JEPPesen
12 NOV 10 **(20-2C)** **Eff 18 Nov**

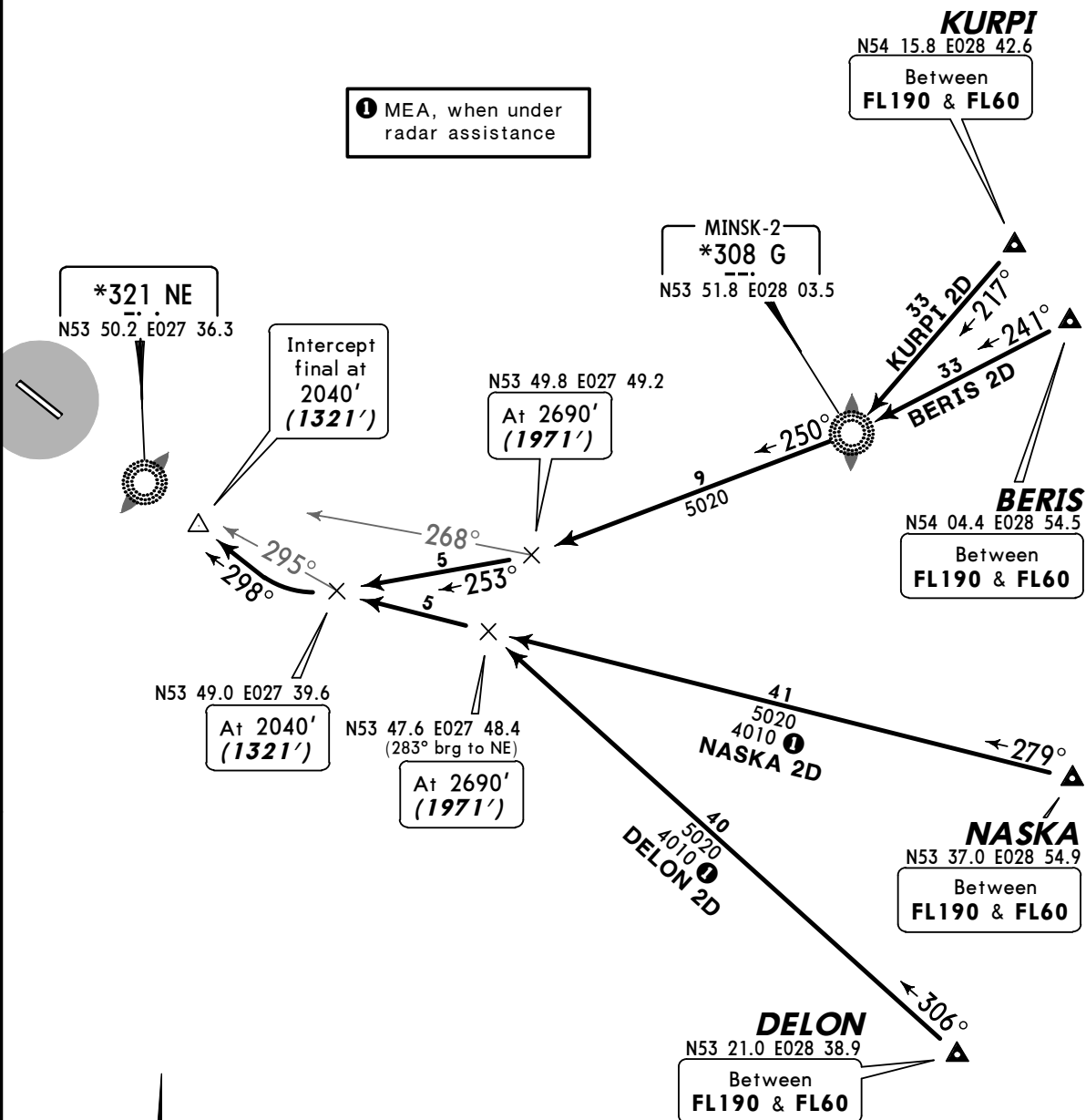
MINSK, BELARUS
STAR

*ATIS **118.4** *Apt Elev* **749'**
Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL50
FL60 if pressure is less than 733 mm (977.3 hPa)
Trans alt: 3710' **(2991')**



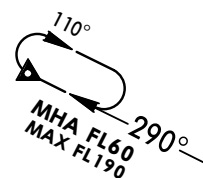
BERIS 2D [BERI2D], DELON 2D [DELO2D]
KURPI 2D [KURP2D], NASKA 2D [NASK2D]
RWY 30 ARRIVALS
FROM EAST

1 MEA, when under radar assistance



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

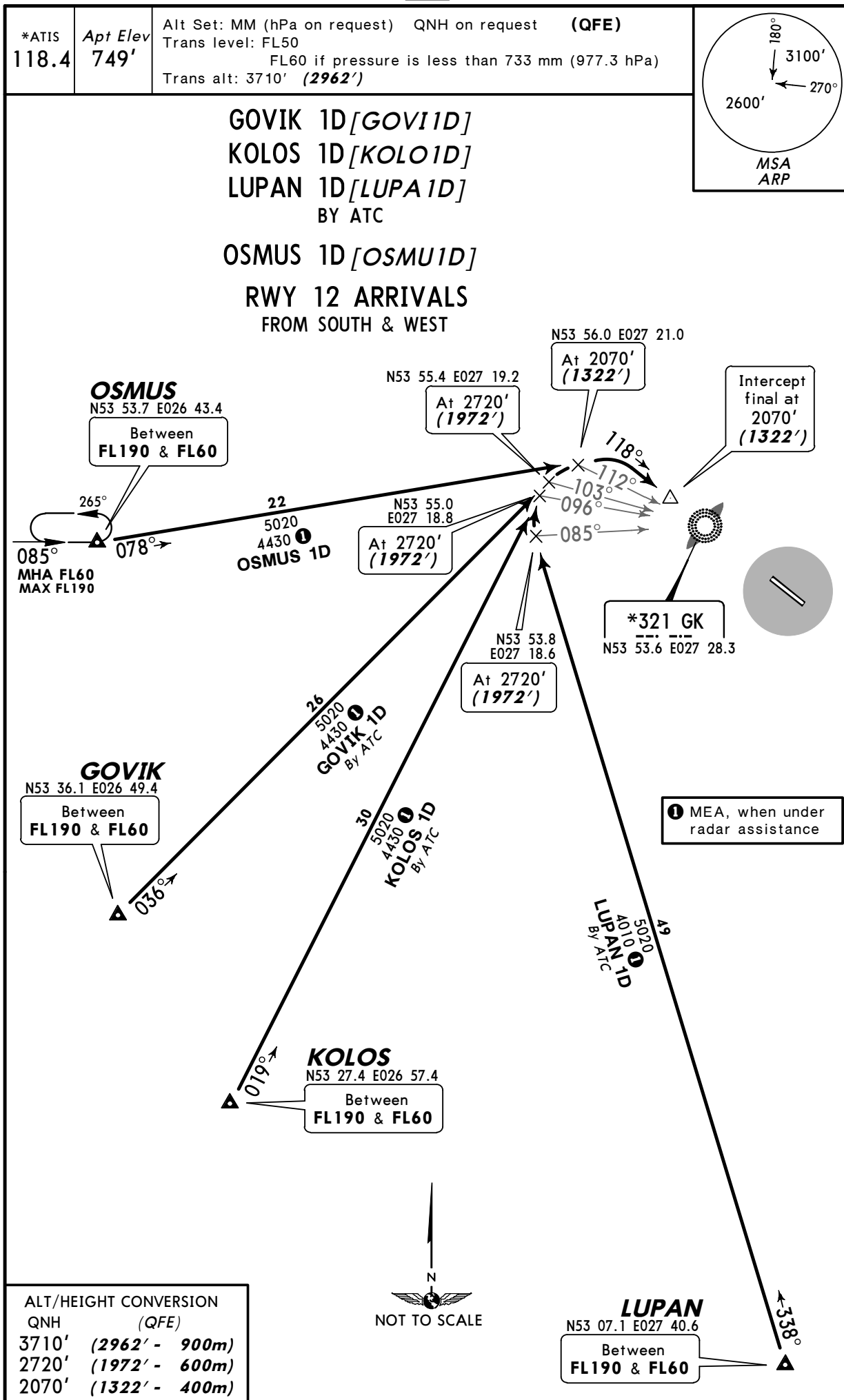
HOLDING OVER NASKA



UMMM/MHP
MINSK-1

JEPPESSEN
 12 NOV 10 **(20-2D)** **Eff 18 Nov**

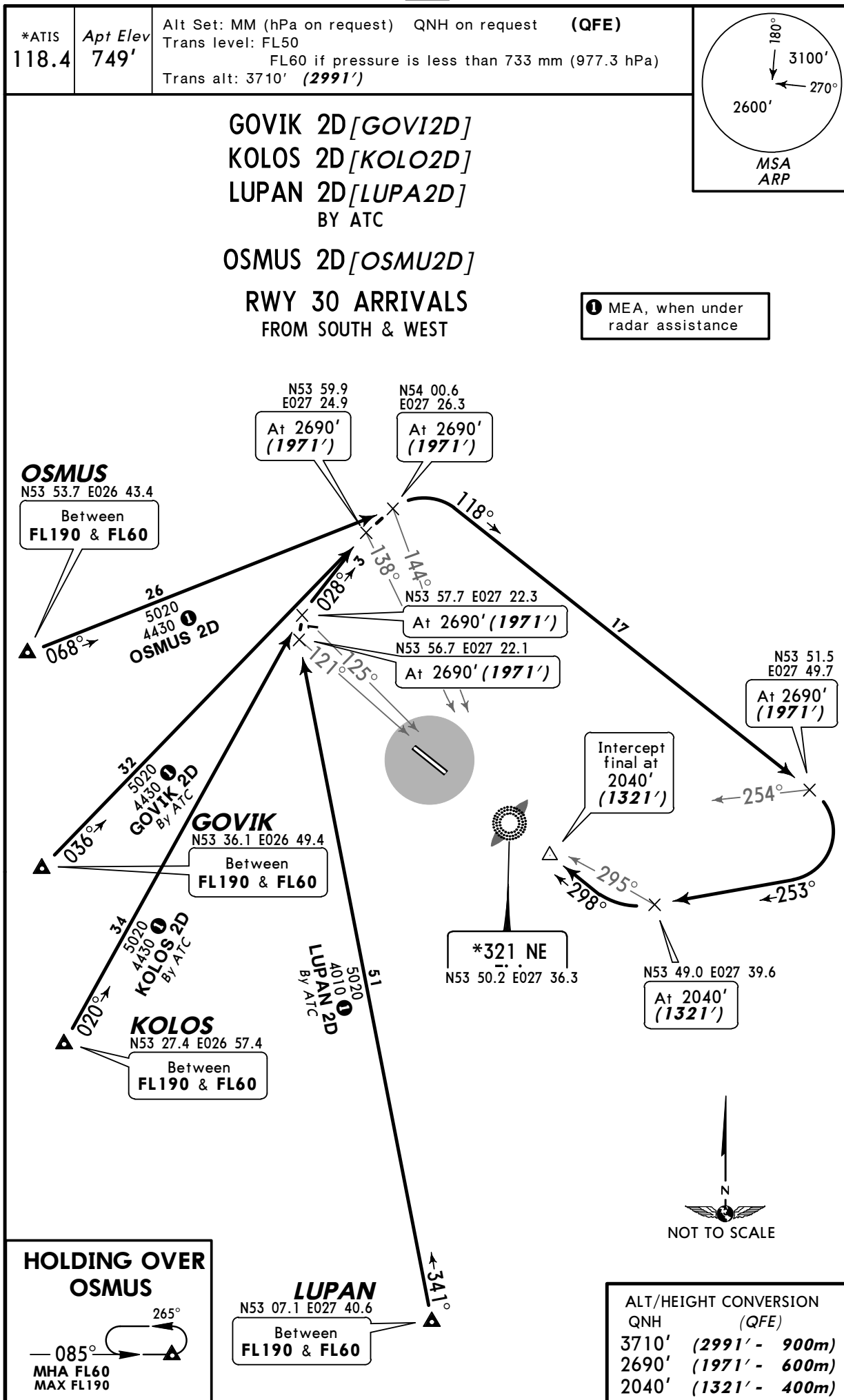
MINSK, BELARUS
STAR



UMMM/MHP
MINSK-1

JEPPESSEN
 12 NOV 10 **20-2E** **Eff 18 Nov**

MINSK, BELARUS
STAR



UMMM/MHP
MINSK-1

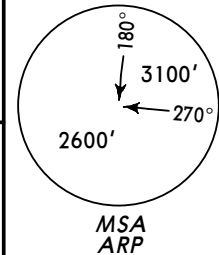
JEPPESEN
12 NOV 10 **20-3** **Eff 18 Nov**

MINSK, BELARUS

SID

Apt Elev
749'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL50
FL60 if pressure is less than 733 mm (977.3 hPa)
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 & FL190

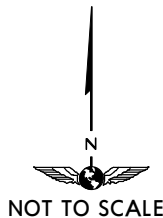
KUBIN
N54 35.3 E027 41.7

Between
FL60 & FL190

PENAL
N54 31.1 E028 31.3

Between
FL60 & FL190

① By ATC.



***321 GK**
N53 53.6 E027 28.3

N53 58.2 E027 33.7

LIRNI
N54 10.0
E027 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)

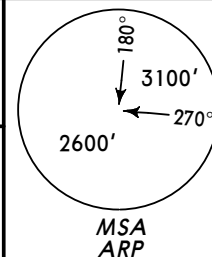
UMMM/MHP
MINSK-1

JEPPESEN
 12 NOV 10 **(20-3A)** **Eff 18 Nov**

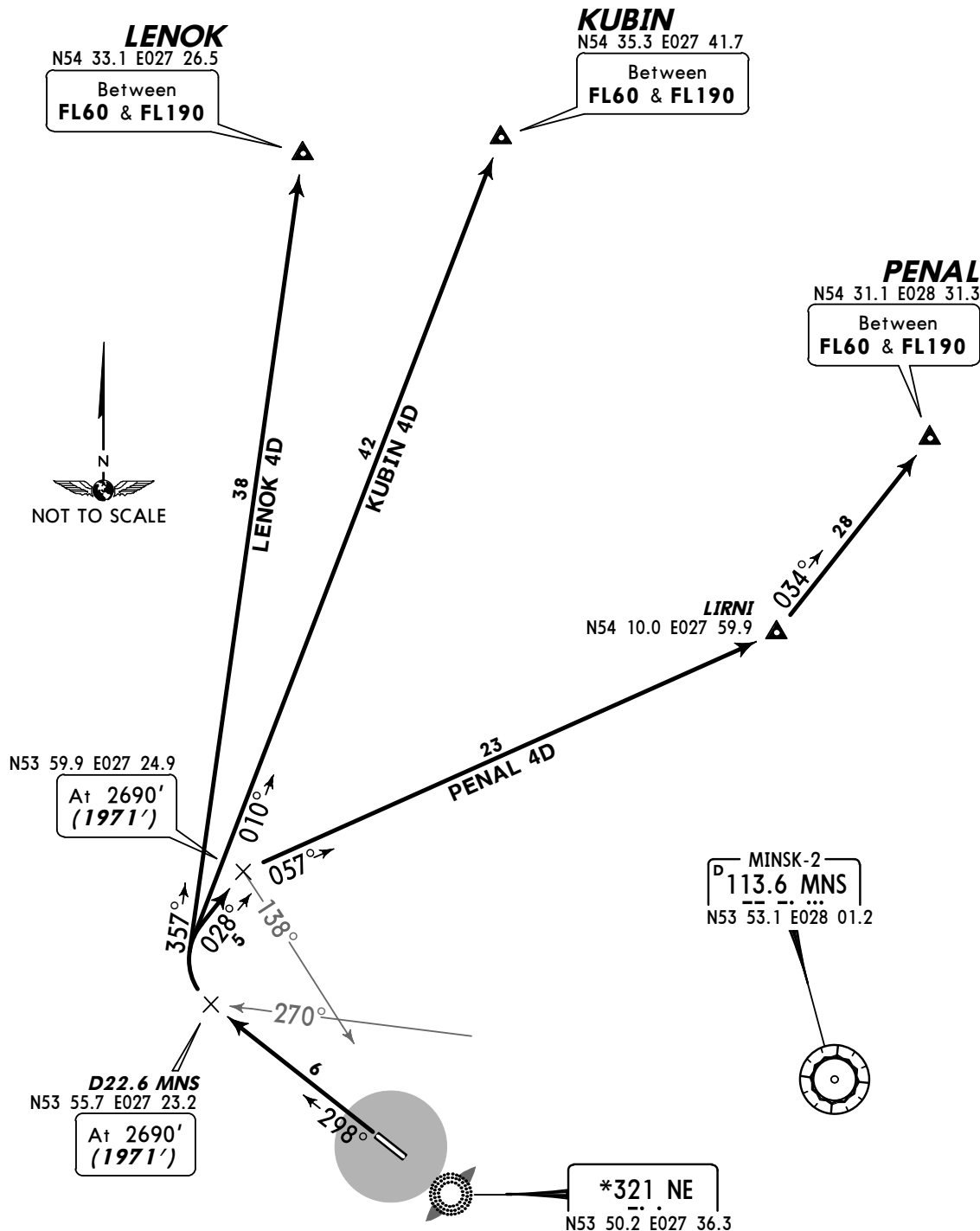
MINSK, BELARUS
SID

Apt Elev
749'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
 Trans level: FL50
 FL60 if pressure is less than 733 mm (977.3 hPa)
 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)

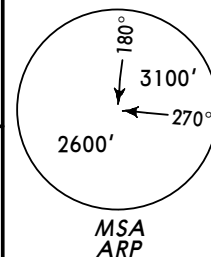
UMMM/MHP
MINSK-1

JEPPESEN
 12 NOV 10 **(20-3B)** **Eff 18 Nov**

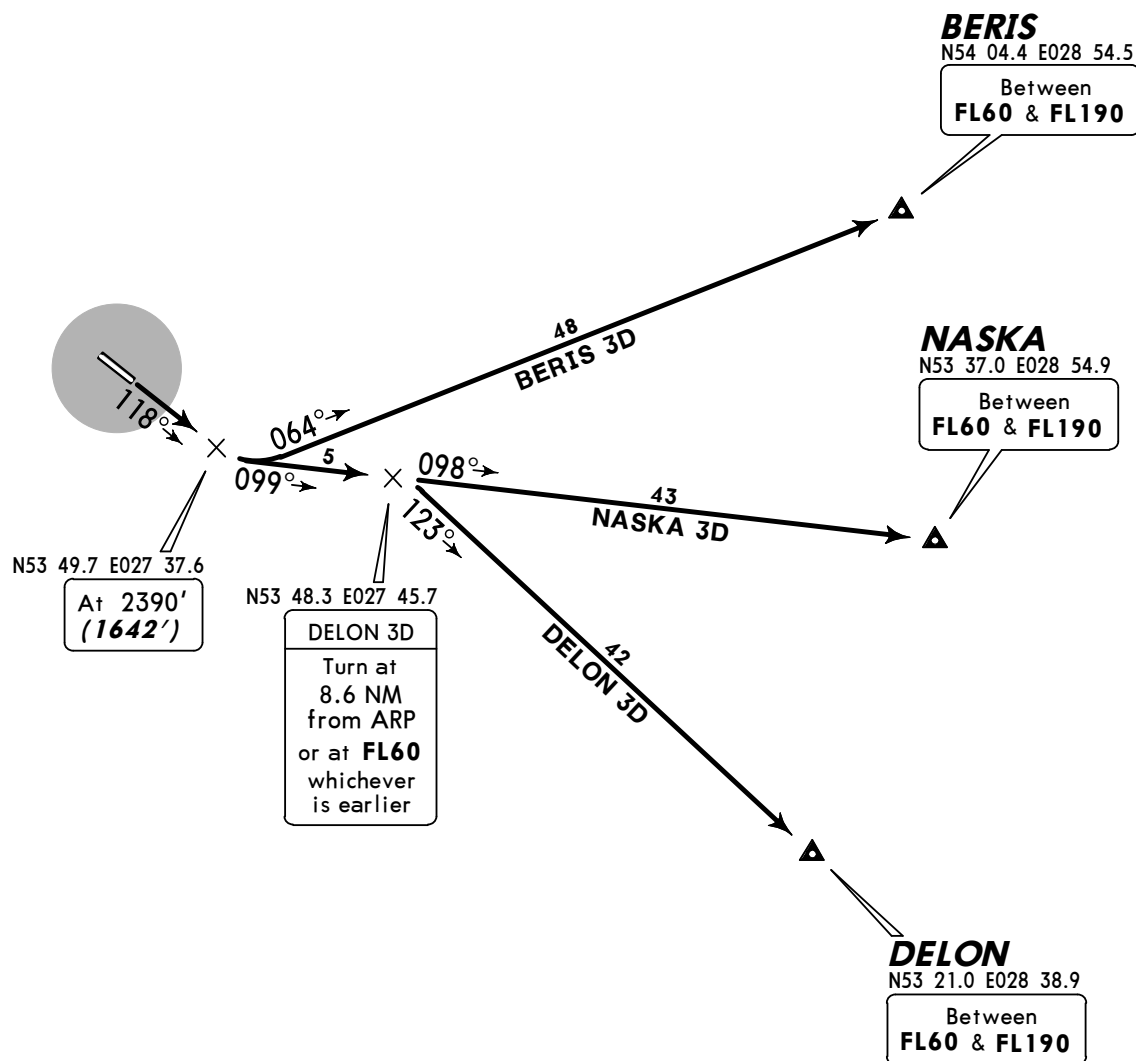
MINSK, BELARUS
SID

Apt Elev
749'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
 Trans level: FL50
 FL60 if pressure is less than 733 mm (977.3 hPa)
 Trans alt: 3710' **(2962')**



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



NOT TO SCALE

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

UMMM/MHP
MINSK-1

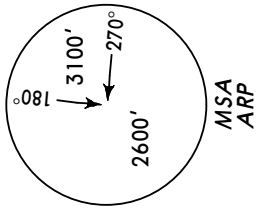
JEPPESSEN
12 NOV 10 **(20-3C)** **Eff 18 Nov**

MINSK, BELARUS

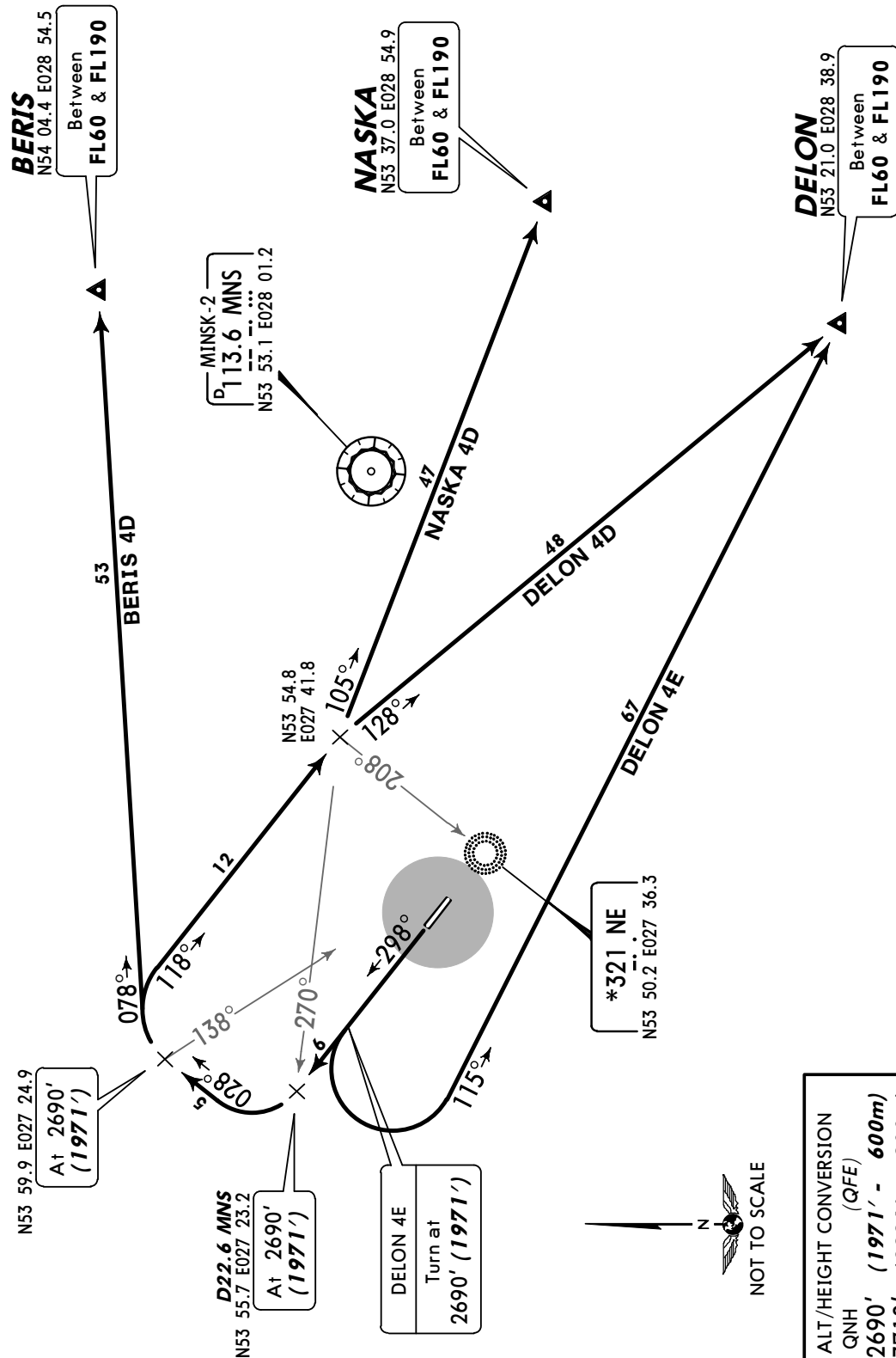
SID

Apt Elev
749'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL50
FL60 if pressure is less than 733 mm (977.3 hPa)
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

QNH	(QFE)
2690'	(1971' - 600m)
3710'	(2991' - 900m)

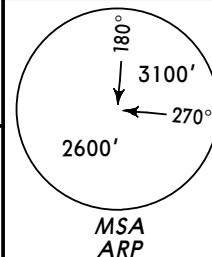
UMMM/MHP
MINSK-1

JEPPESEN
 12 NOV 10 **(20-3D)** **Eff 18 Nov**

MINSK, BELARUS
SID

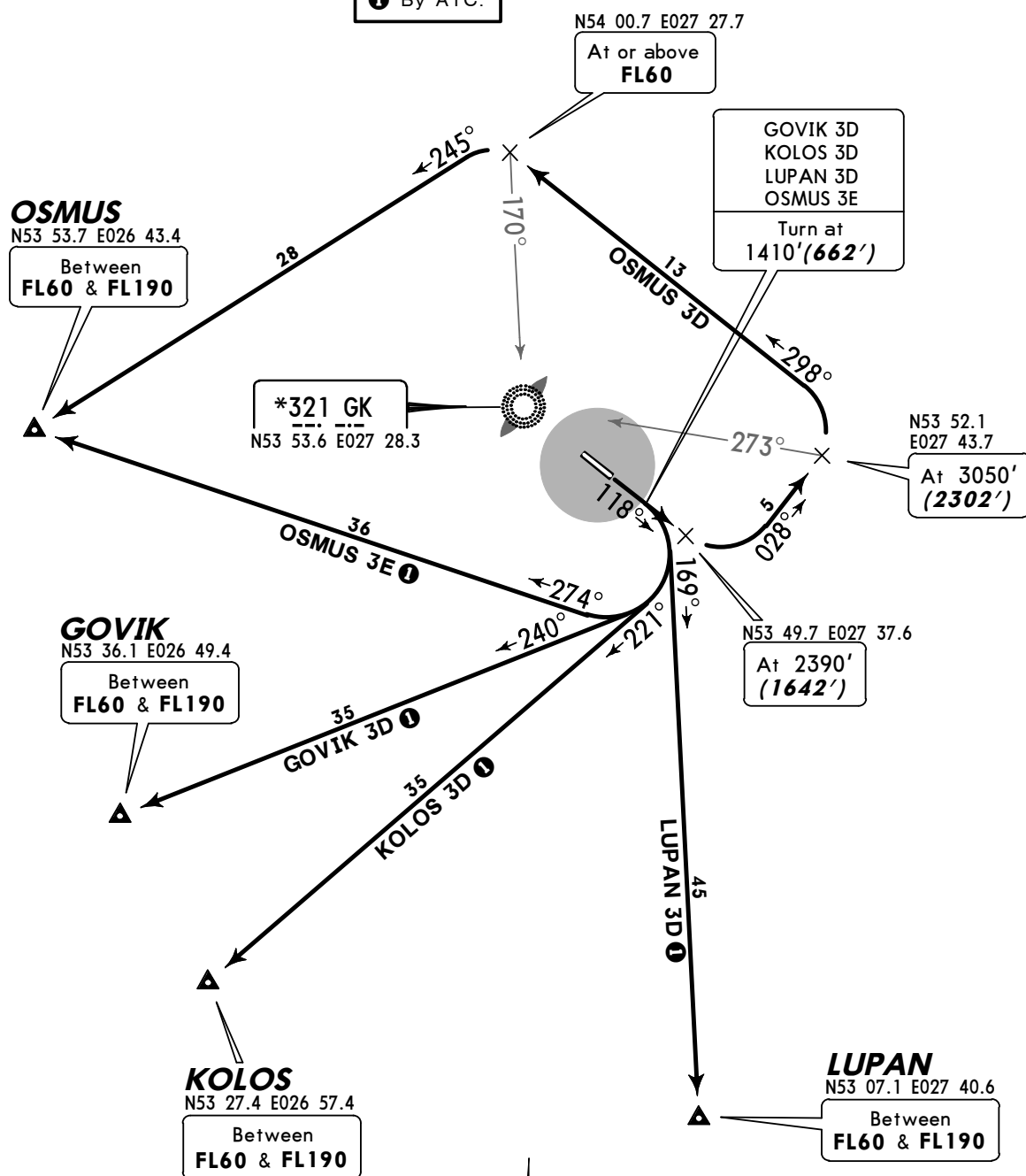
Apt Elev
749'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
 Trans level: FL50
 FL60 if pressure is less than 733 mm (977.3 hPa)
 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.



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



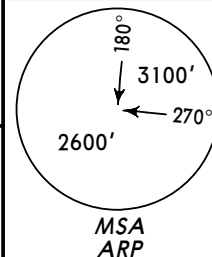
UMMM/MHP
MINSK-1

JEPPESSEN
 12 NOV 10 **(20-3E)** **Eff 18 Nov**

MINSK, BELARUS
SID

Apt Elev
749'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
 Trans level: FL50
 FL60 if pressure is less than 733 mm (977.3 hPa)
 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.

OSMUS
 N53 53.7 E026 43.4
 Between
FL60 & FL190

At 2690'
(1971')

GOVIK
 N53 36.1 E026 49.4
 Between
FL60 & FL190

KOLOS
 N53 27.4 E026 57.4
 Between
FL60 & FL190

LUPAN
 N53 07.1 E027 40.6
 Between
FL60 & FL190

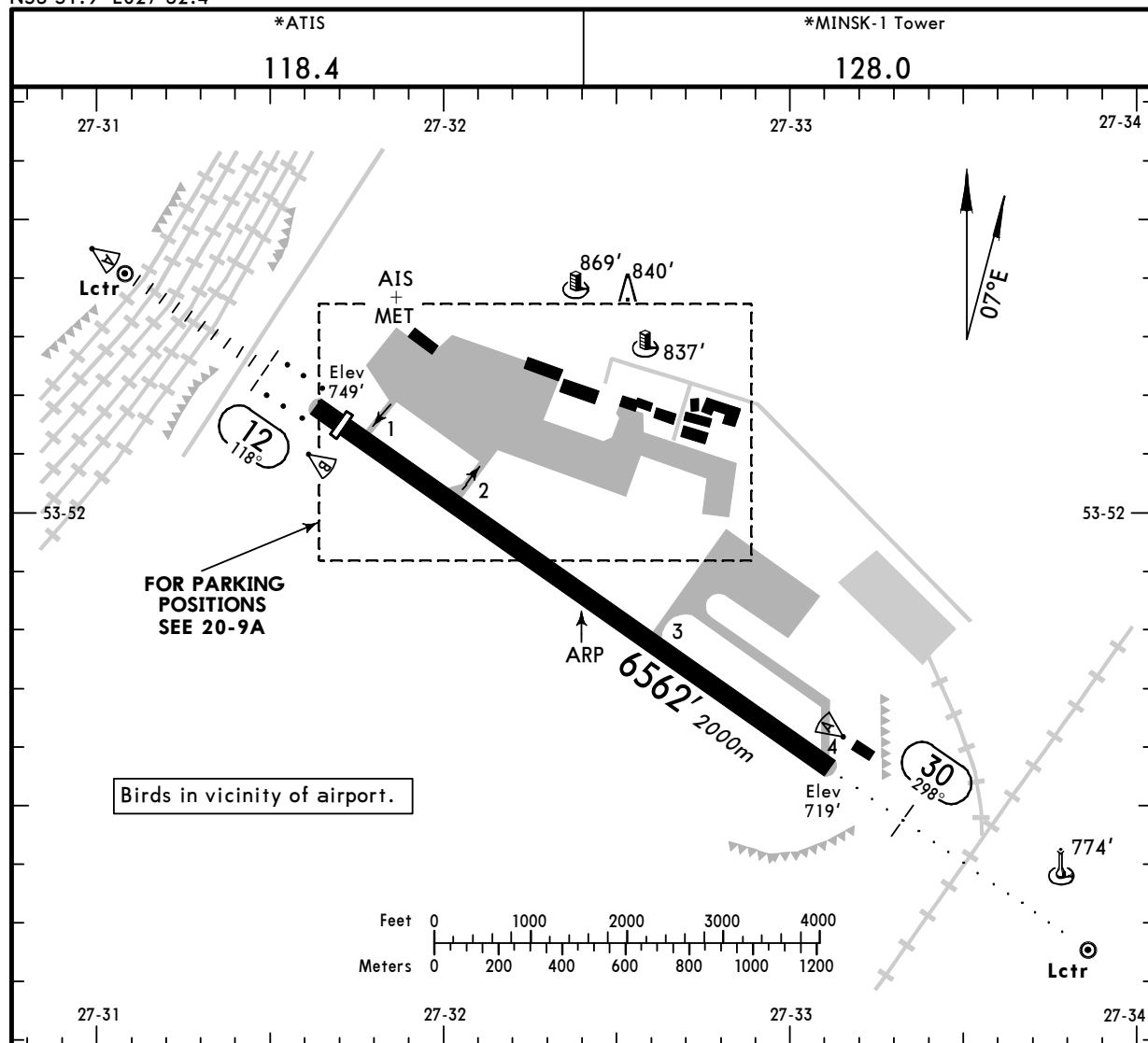


ALT/HEIGHT CONVERSION
 QNH **(QFE)**
 2690' **(1971' - 600m)**
 3710' **(2991' - 900m)**

UMMM/MHP
 Apt Elev **749'**
 N53 51.9 E027 32.4

JEPPesen
 5 NOV 10 **(20-9)** **Eff 18 Nov**

MINSK, BELARUS
MINSK-1



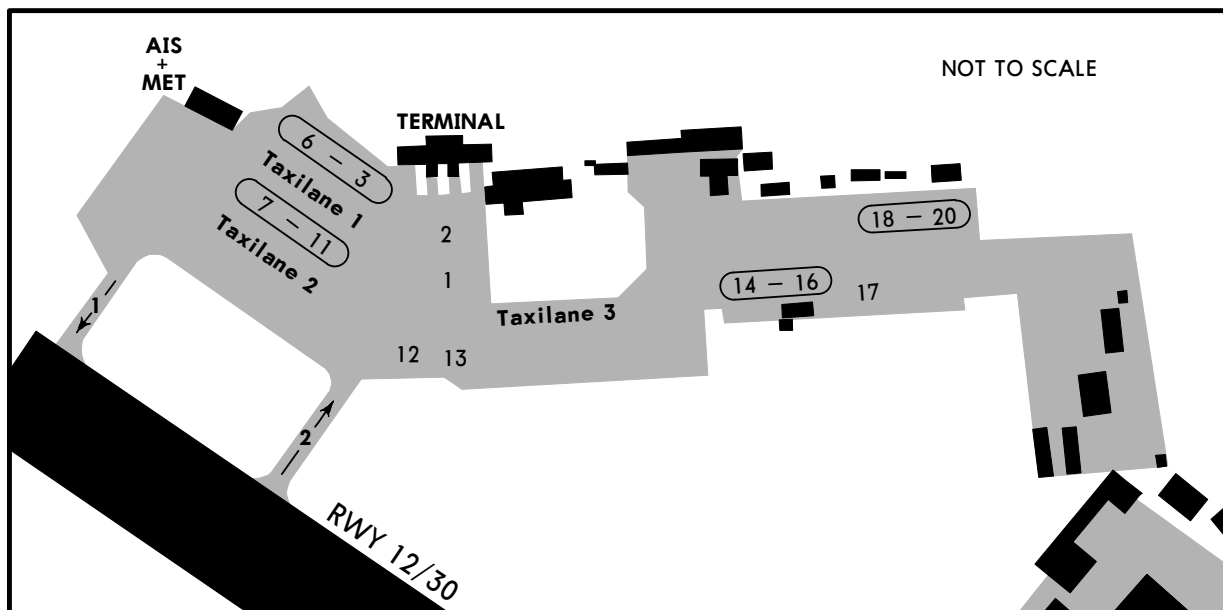
ADDITIONAL RUNWAY INFORMATION					
RWY				USABLE LENGTHS	
				LANDING BEYOND	
				Threshold	TAKE-OFF
12	RL (50m)	ALS	RVR	6234' 1900m	
30				5483' 1671m	

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
 5 NOV 10 **(20-9A)** **Eff 18 Nov**

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

Stands 12, 14 thru 16 and 18 thru 20 available for helicopters.
 Parking onto stands 14 thru 20 is by towing and onto stand 17 by push-back.

TAXIING PROCEDURE

Taxiing and towing without permission of taxiing controller are prohibited.
 Taxiing of aircraft along Twys shall be carried out at minimum speed, strictly along the center line.
 Taxiing of aircraft at junction of the runway with all taxiways shall be carried out at minimum speed, strictly along the marking.
 Twy 4 available DAY only. Taxiing of index 4 aircraft along TWY 4 shall be carried out strictly along the center line at low speed.
 Taxilane 1 restricted to acft with wingspan up to 118'/36m.
 Taxilane 2 restricted to acft with wingspan up to 125'/38m.
 Movements of acft along taxilane 3 shall be carried out by towing.

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



5 NOV 10

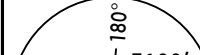
(21-1)

Eff 18 Nov

MINSK, BELARUS

■ ILS or 2 NDB Rwy 12

BRIEFING STRIP TM

*ATIS 118.4			*MINSK-1 Tower 128.0		 MSA ARP
<i>LOC</i> IGK *110.5	<i>Final Aptch Crs</i> 118°	<i>GS</i> <i>LOM</i> 1585' (837')	<i>ILS</i> <i>DA(H)</i> Refer to Minimums	<i>Apt Elev</i> 749' <i>RWY</i> 748'	
<i>NDB</i> GK *321		<i>Minimum Alt</i> No FAF	<i>NDB</i> <i>MDA(H)</i> 1600' (852')		

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.

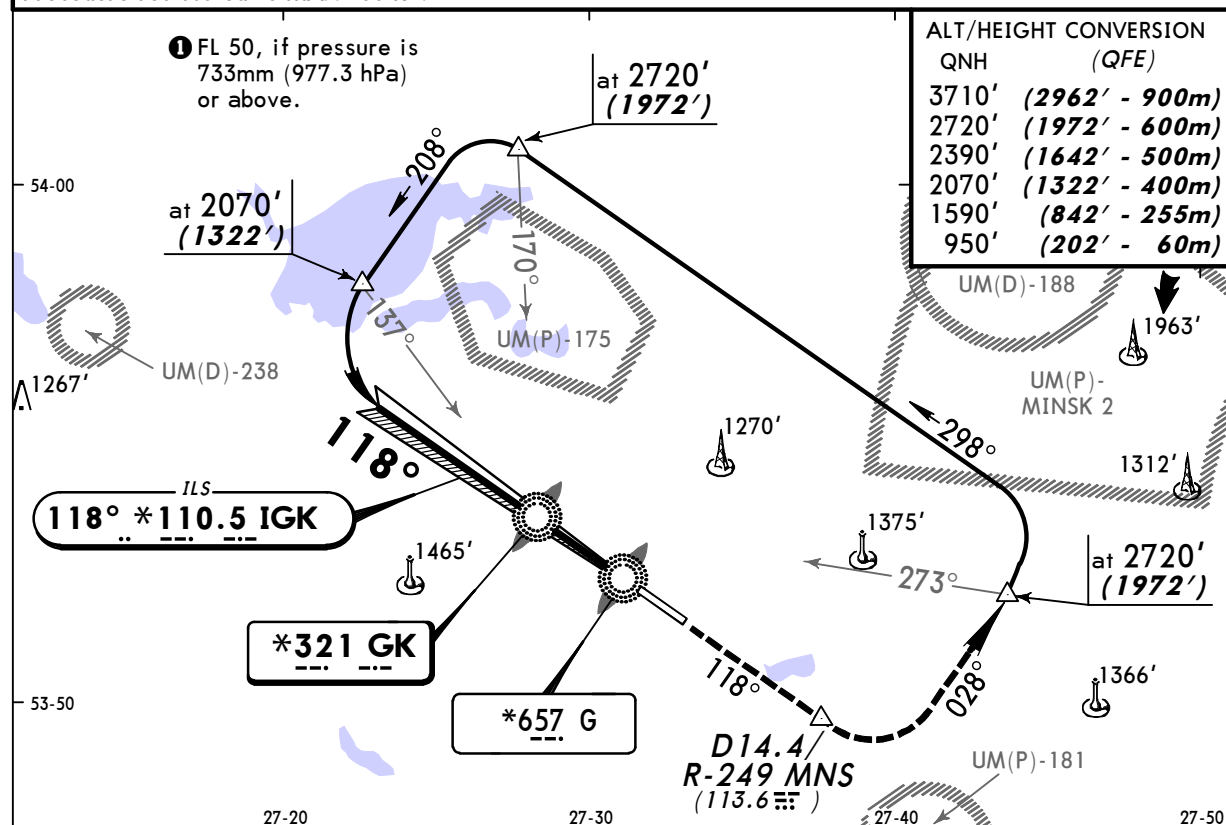
Alt Set: MM (hPa on req)

QNH on req (**QFE**)

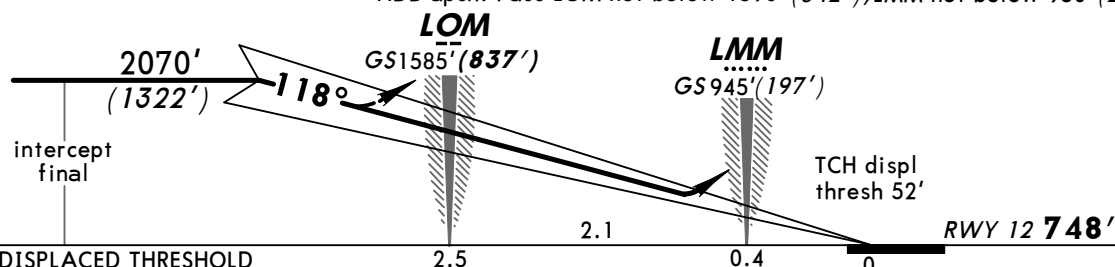
Trans level: FL 60 ①

Trans alt: 3710' (**2962'**)

Procedure restricted to MAX 160 KT.



NDB apch: Pass LOM not below 1590' (842'), LMM not below 950' (202').

[illegible]

STRAIGHT-IN LANDING RWY 12

DA(H)		ILS		LOC		NDB	
A: 948'(200')		C: 968'(220')		(GS out)		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	

CHANGES: Communications. Trans level.

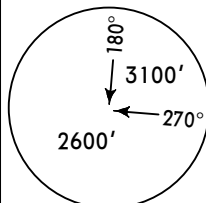
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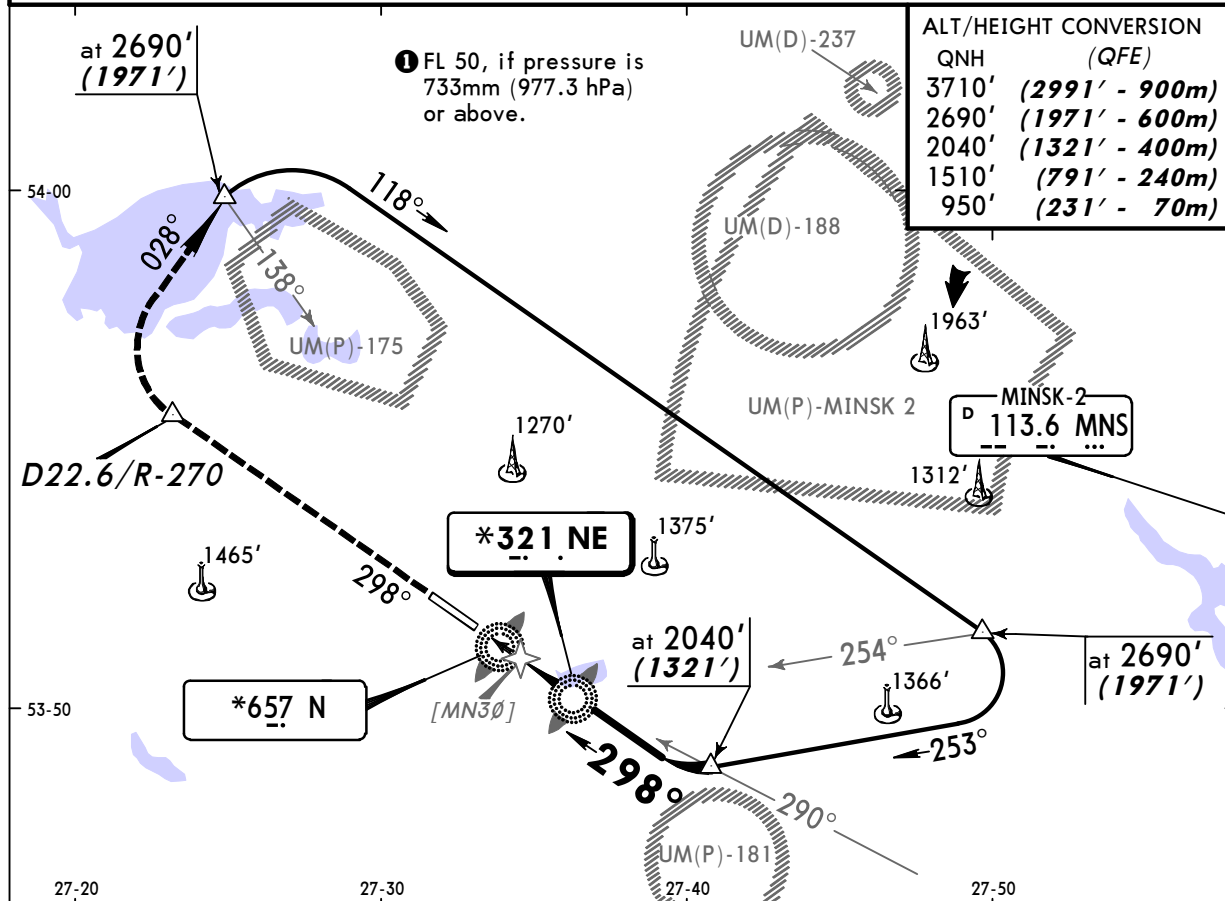
UMMM/MHP
MINSK-1

JEPPESEN
5 NOV 10 **(26-1)** **Eff 18 Nov**

MINSK, BELARUS
2 NDB Rwy 30

BRIEFING STRIP

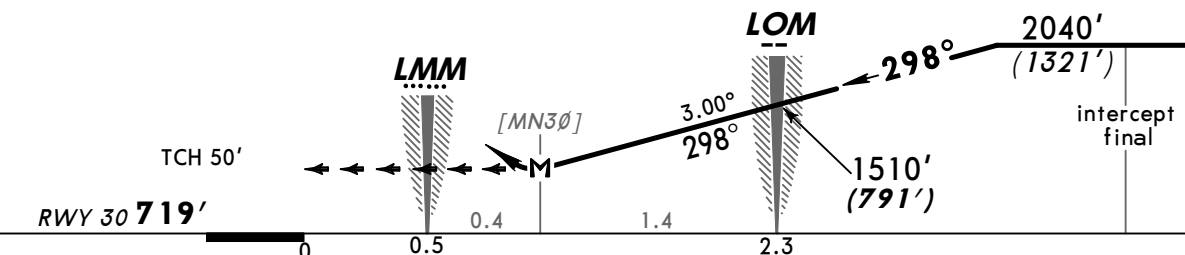
*ATIS 118.4			*MINSK-1 Tower 128.0			 MSA ARP
NDB NE *321	Final Apch Crs 298°	Minimum Alt LOM 1510' (791')	MDA(H) 1050' (331')	Apt Elev 749' RWY 719'		
MISSED APCH: Climb on 298° to 2690' (1971'). Not before 6.5 NM from ARP or D22.6/R-270 turn RIGHT onto 028°, then according to chart.						
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 ① Trans alt: 3710' (2991')						
Procedure restricted to MAX 160 KT.						



ALT/HEIGHT CONVERSION

QNH	(QFE)
3710'	(2991' - 900m)
2690'	(1971' - 600m)
2040'	(1321' - 400m)
1510'	(791' - 240m)
950'	(231' - 70m)

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

ALS	2690' (1971')	on 298°
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STRAIGHT-IN LANDING RWY 30

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

ALS out

PANS OPS

A	RVR 1500m VIS 1600m	
B		
C		
D		