Page 1
Changed chart(s) since Disc 09-2011
ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE

No revision activity since Disc 09-2011

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UMMM

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

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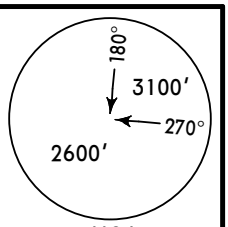
UMMM/MHP
MINSK-1

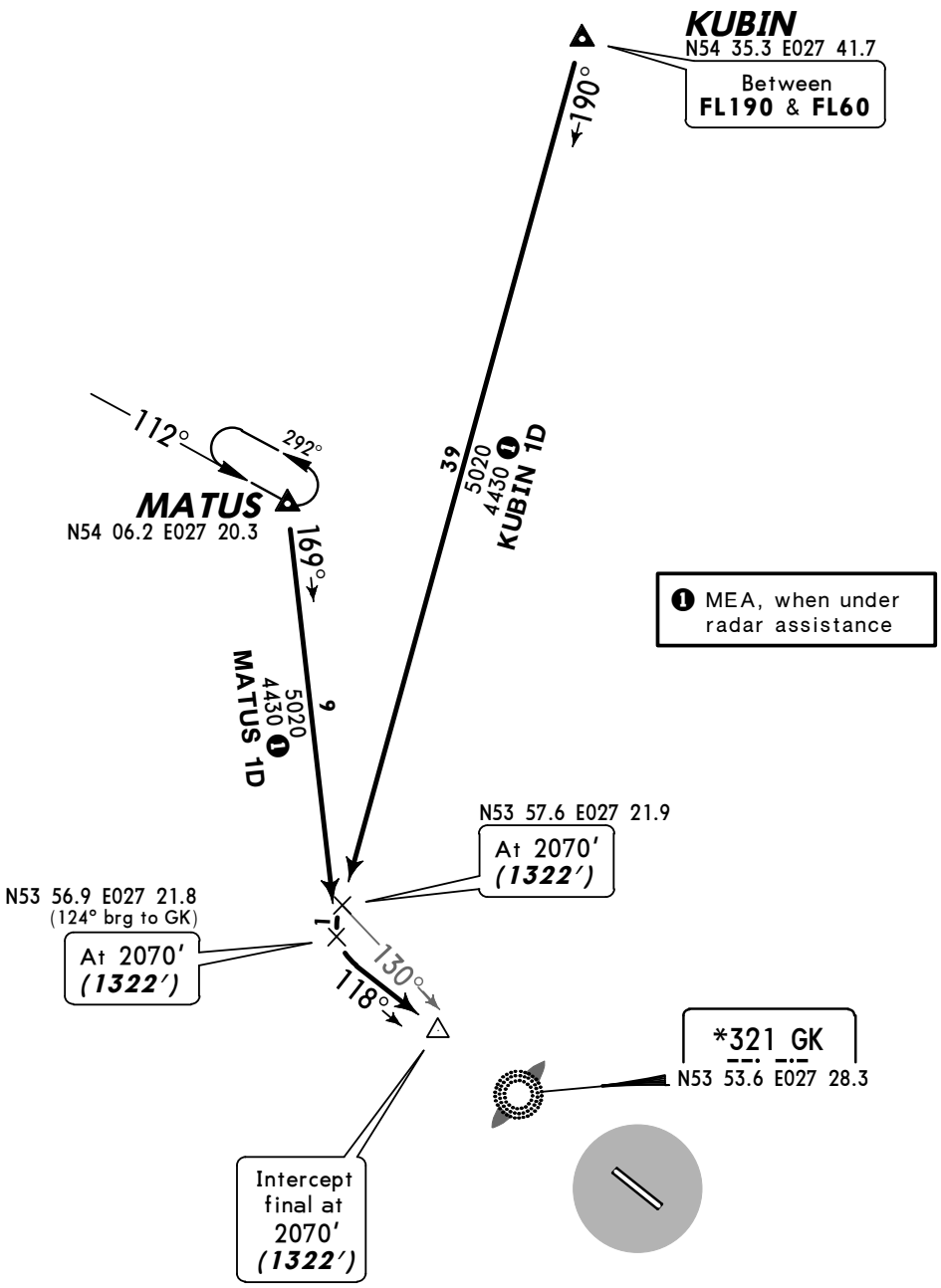
JEPPESEN
12 NOV 10 (20-2) Eff 18 Nov

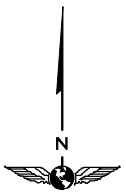
MINSK, BELARUS
STAR

*ATIS	Apt Elev	
118.4	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





NOT TO SCALE

ALT/HEIGHT CONVERSION

QNH	(QFE)
3710′	***(2962′ - 900m)***
2070′	***(1322′ - 400m)***

CHANGES: Trans Level; corridor withdrawn; crossing & holding revised.

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UMMM/MHP
MINSK-1

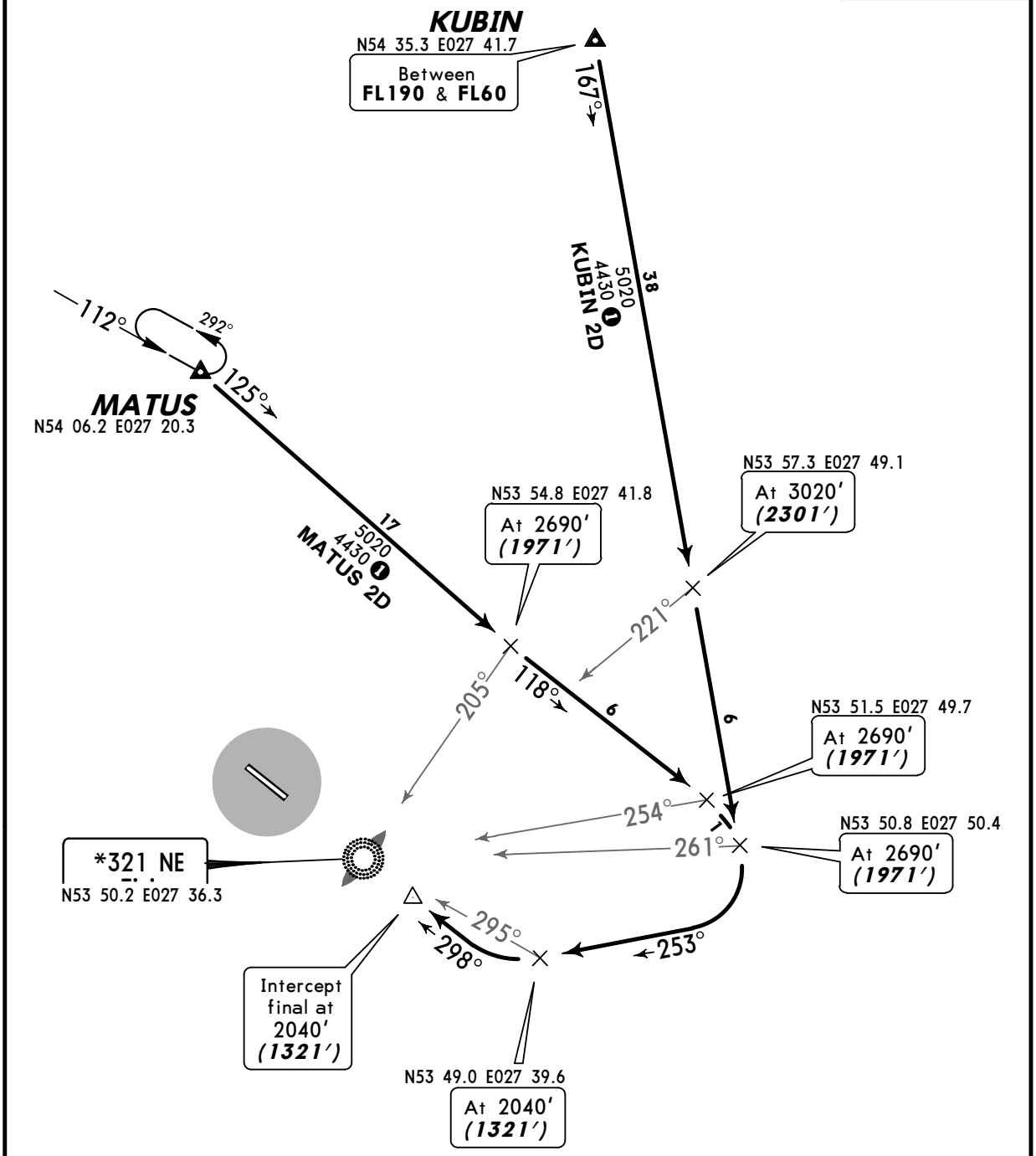
JEPPESEN
12 NOV 10 (20-2A) Eff 18 Nov

MINSK, BELARUS
STAR

*ATIS	Apt Elev	
118.4	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′)***

180°
3100′
270°
2600′
MSA
ARP

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



❶ MEA, when under radar assistance

N
NOT TO SCALE

ALT/HEIGHT CONVERSION

QNH	(QFE)
3710′	***(2991′ - 900m)***
3020′	***(2301′ - 700m)***
2690′	***(1971′ - 600m)***
2040′	***(1321′ - 400m)***

CHANGES: Trans level; procedures revised.

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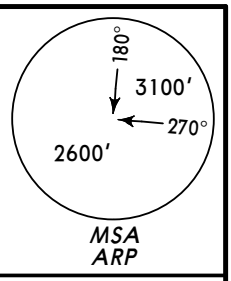
JEPPESEN
JeppView 3.7.4.0

UMMM/MHP
MINSK-1

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

MINSK, BELARUS
STAR

*ATIS	Apt Elev	
118.4	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 1D *[BERI1D]*, DELON 1D *[DELO1D]*
KURPI 1D *[KURP1D]*, NASKA 1D *[NASK1D]*
RWY 12 ARRIVALS
FROM EAST

❶ MEA, when under radar assistance

N
NOT TO SCALE

KURPI
N54 15.8 E028 42.6
Between **FL190** & **FL60**

16 218° KURPI 1D

N54 02.1 E027 46.6
At 3050′ ***(2302′)***

SUDOB
N54 04.4
E028 23.4

22 258°

18 264° BERIS 1D

BERIS
N54 04.4 E028 54.5
Between **FL190** & **FL60**

N54 01.0 E027 26.4
At 2720′ ***(1972′)***

N54 00.7 E027 27.7
At 2720′ ***(1972′)***

11 5020

225°

1 165° 170°

4 208°

N53 58.1 E027 22.6
At 2070′ ***(1322′)***

137°

118°

10 298°

N53 54.8 E027 41.9
At 2720′ ***(1972′)***

255°

NASKA
N53 37.0 E028 54.9
Between **FL190** & **FL60**

47 5020 4010 ❶ NASKA 1D 286°

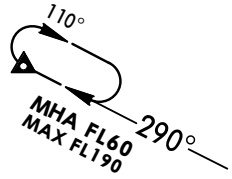
48 5020 4010 ❶ DELON 1D 309°

Intercept final at 2070′ ***(1322′)***

*321 GK
N53 53.6 E027 28.3

DELON
N53 21.0 E028 38.9
Between **FL190** & **FL60**

HOLDING OVER NASKA



ALT/HEIGHT CONVERSION

QNH	(QFE)
3710′	***(2962′ - 900m)***
3050′	***(2302′ - 700m)***
2720′	***(1972′ - 600m)***
2070′	***(1322′ - 400m)***

CHANGES: Trans Level; corridors withdrawn; crossings & holdings.

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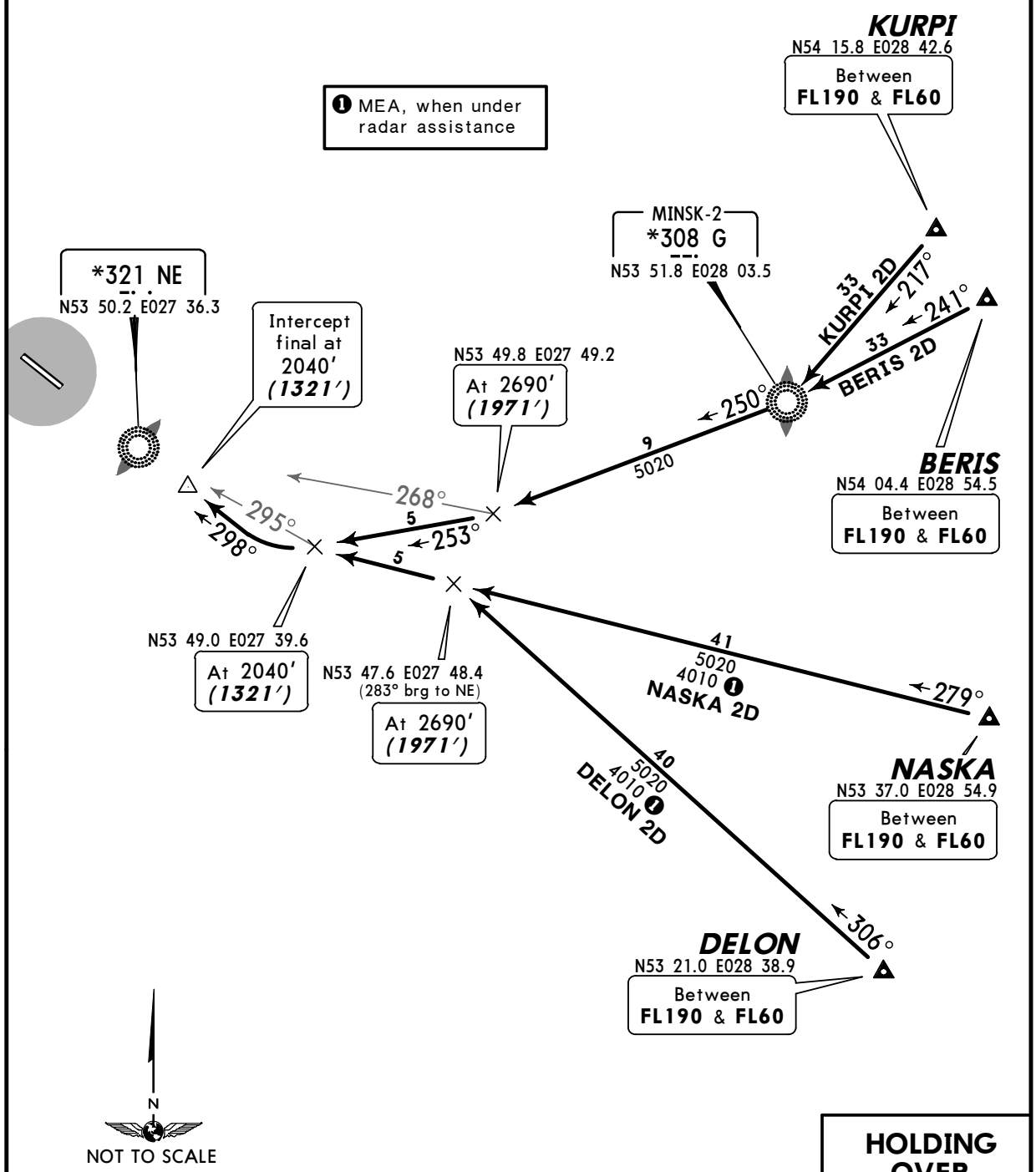
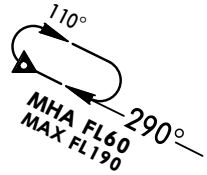
*ATIS	Apt Elev	
118.4	749′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL50 FL60 if pressure is less than 733 mm (977.3 hPa) Trans alt: 3710′ ***(2991′)***

180°
3100′
270°
2600′
MSA
ARP

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



HOLDING OVER NASKA



ALT/HEIGHT CONVERSION

QNH	(QFE)
3710′	***(2991′ - 900m)***
2690′	***(1971′ - 600m)***
2040′	***(1321′ - 400m)***

CHANGES: Trans Level; corridors withdrawn; crossings & holdings.

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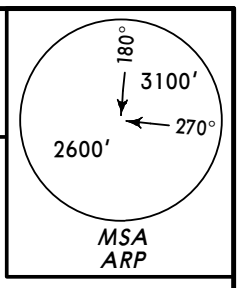
JeppView 3.7.4.0

UMMM/MHP
MINSK-1

JEPPESEN
12 NOV 10 20-2D Eff 18 Nov

MINSK, BELARUS
STAR

*ATIS	Apt Elev	
118.4	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 1D *[GOVI1D]*
KOLOS 1D *[KOLO1D]*
LUPAN 1D *[LUPA1D]*
BY ATC

OSMUS 1D *[OSMU1D]*

RWY 12 ARRIVALS
FROM SOUTH & WEST

OSMUS
N53 53.7 E026 43.4
Between **FL190** & **FL60**

265°
085°
MHA FL60
MAX FL190
078°
22
5020
4430 ❶
OSMUS 1D

N53 55.4 E027 19.2
At 2720′ ***(1972′)***

N53 56.0 E027 21.0
At 2070′ ***(1322′)***

Intercept final at 2070′ ***(1322′)***

118°
112°
103°
096°
085°

N53 55.0 E027 18.8
At 2720′ ***(1972′)***

N53 53.8 E027 18.6
At 2720′ ***(1972′)***

*321 GK
N53 53.6 E027 28.3

26
5020
4430 ❶
GOVIK 1D
By ATC

GOVIK
N53 36.1 E026 49.4
Between **FL190** & **FL60**

036°

30
5020
4430 ❶
KOLOS 1D
By ATC

019°

KOLOS
N53 27.4 E026 57.4
Between **FL190** & **FL60**

49
5020
4010 ❶
LUPAN 1D
By ATC

338°

LUPAN
N53 07.1 E027 40.6
Between **FL190** & **FL60**

❶ MEA, when under radar assistance

N
NOT TO SCALE

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
3710′	***(2962′ - 900m)***
2720′	***(1972′ - 600m)***
2070′	***(1322′ - 400m)***

CHANGES: Trans Level; corridors withdrawn; crossings; holding over OSMUS.

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JEPPESEN
JeppView 3.7.4.0

UMMM/MHP
MINSK-1

JEPPESEN
12 NOV 10 20-2E Eff 18 Nov

MINSK, BELARUS
STAR

*ATIS	Apt Elev	
118.4	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′)***

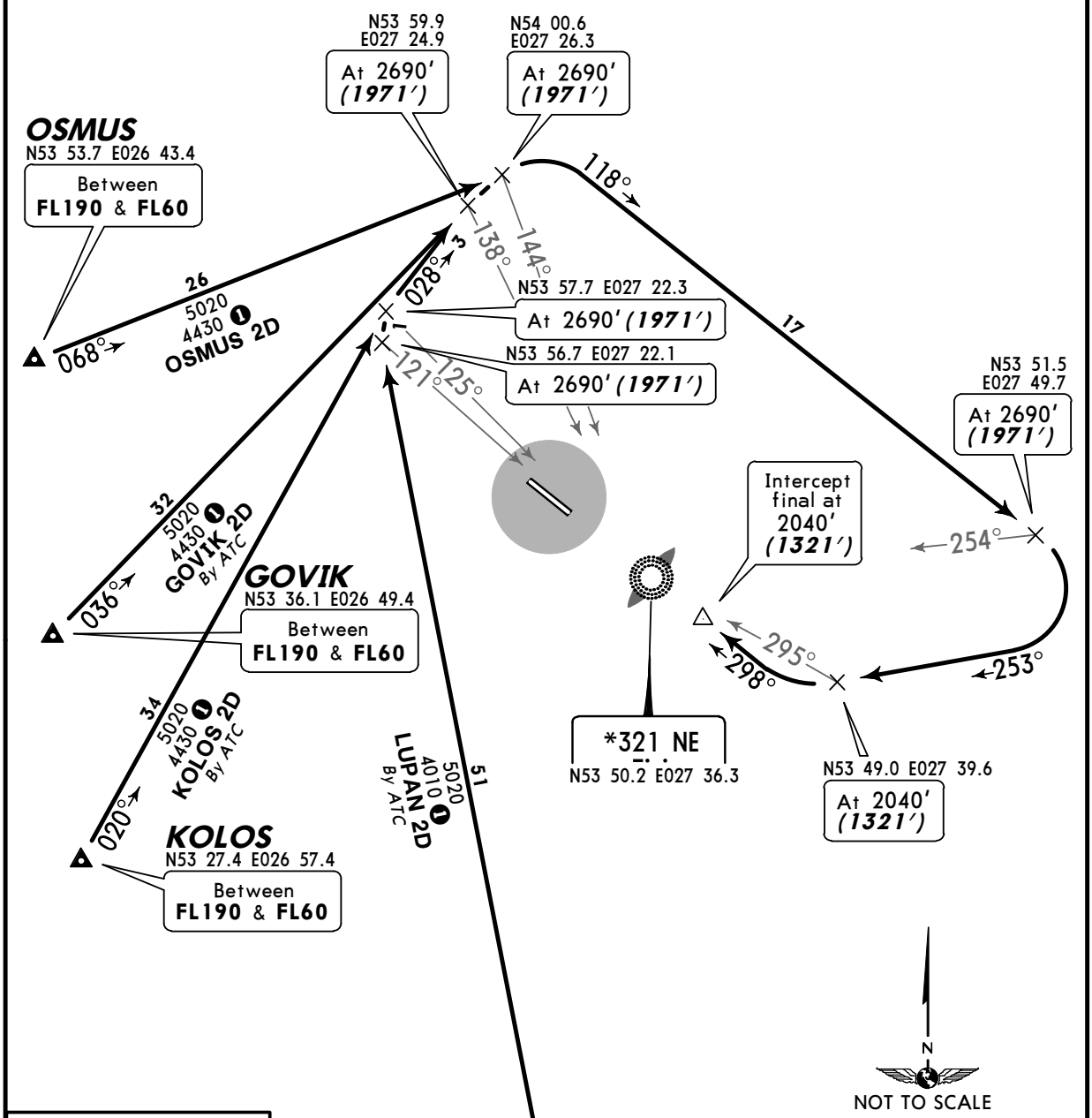
180° 3100′ 270° 2600′
MSA ARP

GOVIK 2D *[GOVI2D]*
KOLOS 2D *[KOLO2D]*
LUPAN 2D *[LUPA2D]*
BY ATC

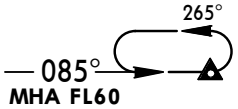
OSMUS 2D *[OSMU2D]*

RWY 30 ARRIVALS
FROM SOUTH & WEST

❶ MEA, when under radar assistance



HOLDING OVER OSMUS



MHA FL60
MAX FL190

ALT/HEIGHT CONVERSION

QNH	(QFE)
3710′	***(2991′ - 900m)***
2690′	***(1971′ - 600m)***
2040′	***(1321′ - 400m)***

CHANGES: Trans Level; corridors withdrawn; crossings; holding over OSMUS.

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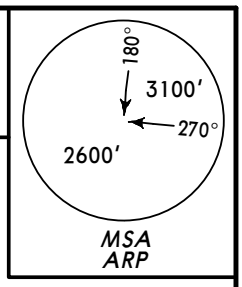
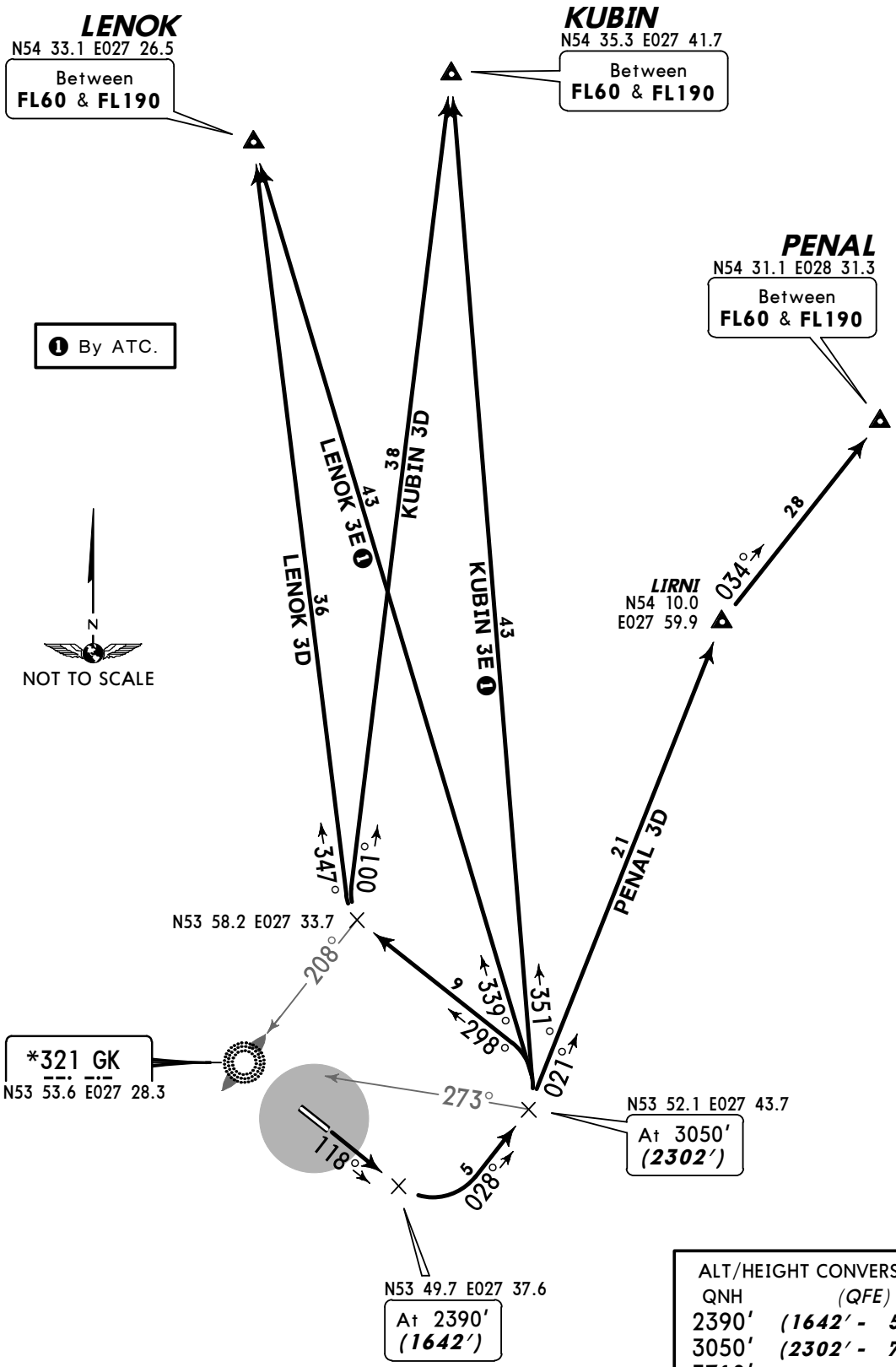
JEPPESEN
JeppView 3.7.4.0

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]*❶
LENOK 3D *[LENO3D]*, LENOK 3E *[LENO3E]*❶
PENAL 3D *[PENA3D]*
RWY 12 DEPARTURES
TO NORTH



ALT/HEIGHT CONVERSION

QNH	(QFE)
2390′	***(1642′ - 500m)***
3050′	***(2302′ - 700m)***
3710′	***(2962′ - 900m)***

CHANGES: Trans Level; corridors withdrawn; crossings.

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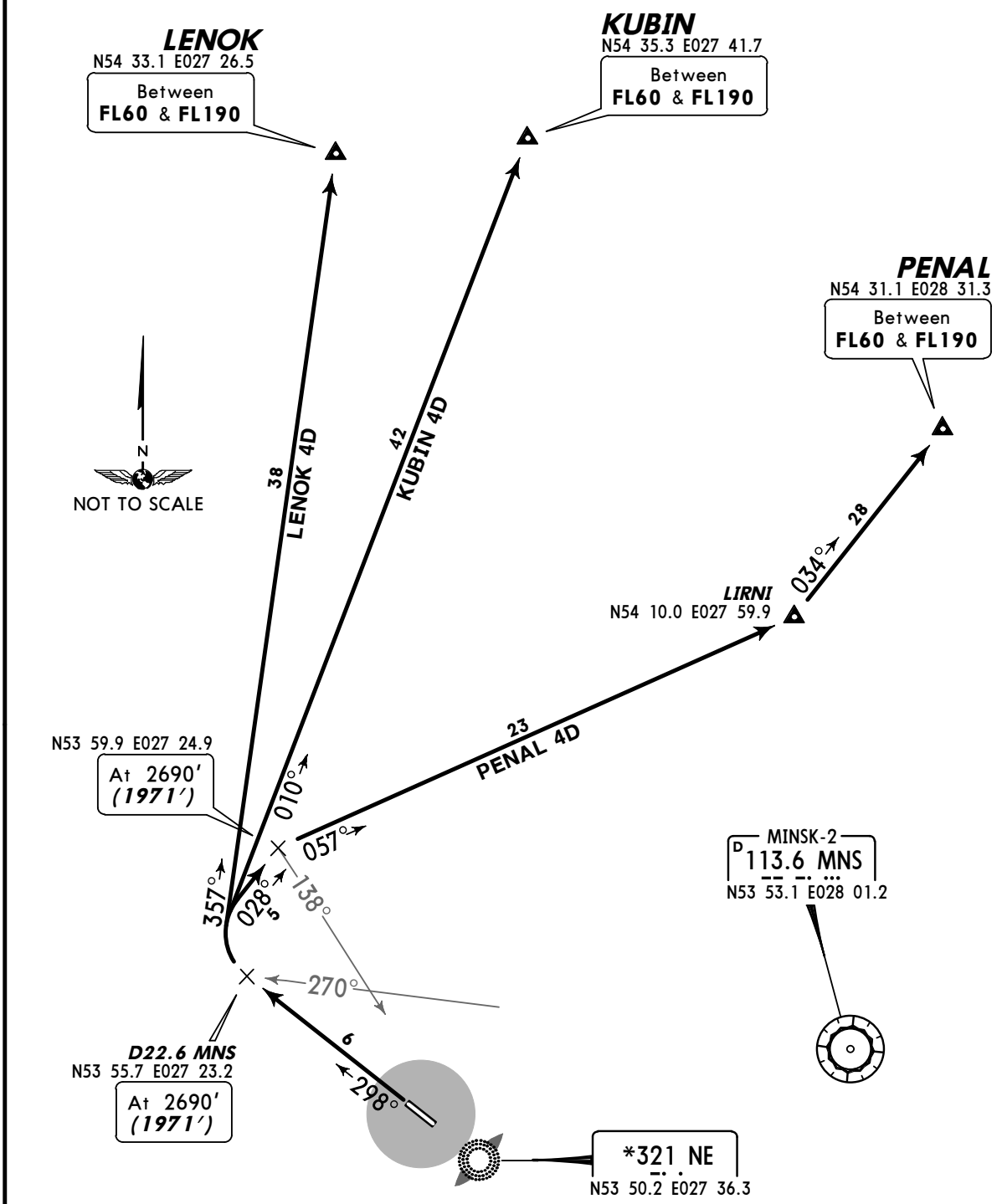
Apt Elev 749′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL50 FL60 if pressure is less than 733 mm (977.3 hPa) Trans alt: 3710′ ***(2991′)***

MSA ARP: 180° 3100′; 270° 2600′

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)***

CHANGES: Trans Level; corridors withdrawn; crossings.

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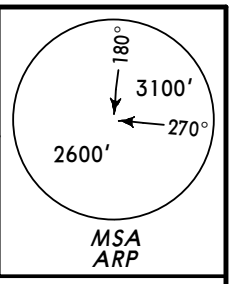
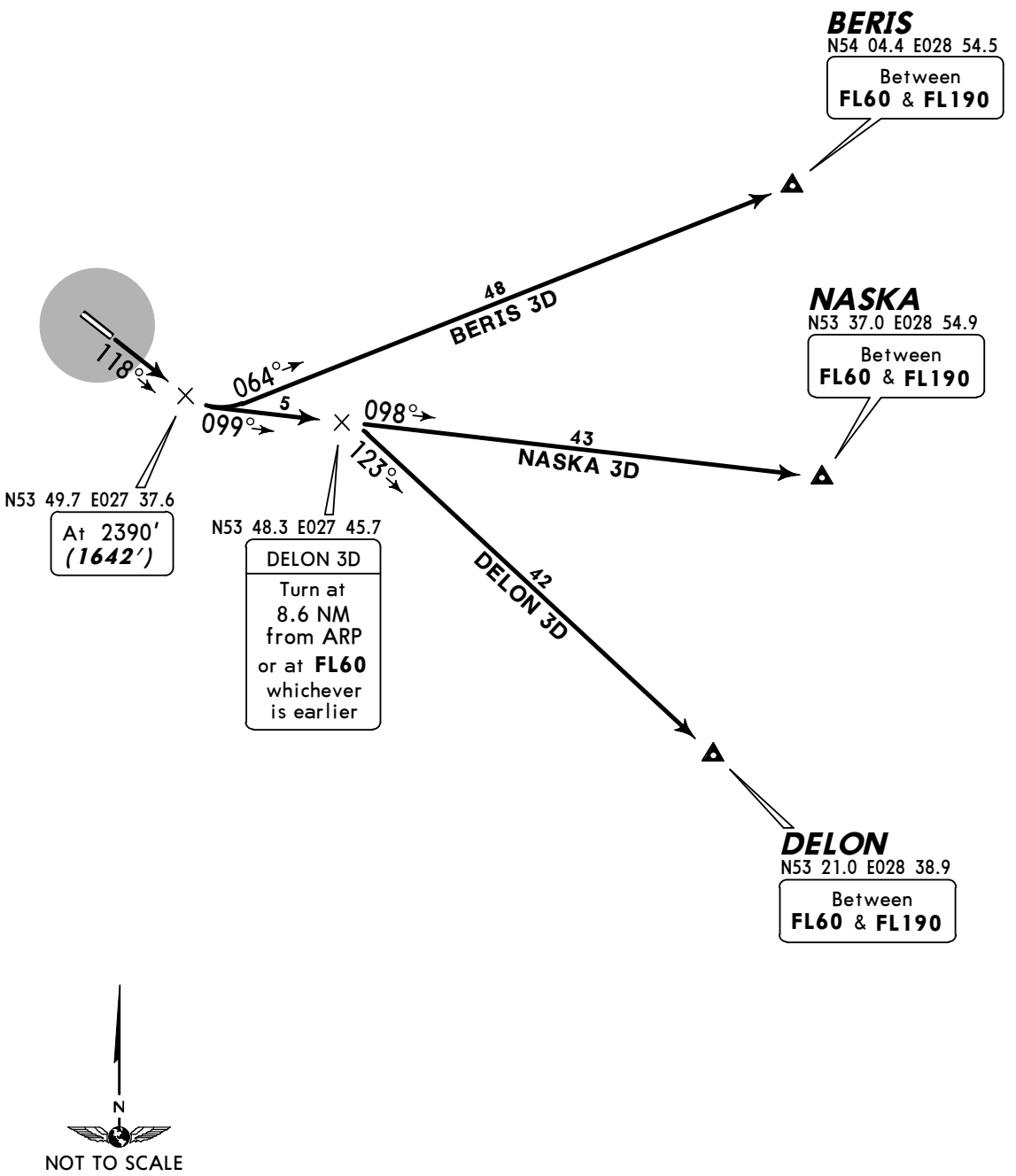
Apt Elev 749′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL50 FL60 if pressure is less than 733 mm (977.3 hPa) Trans alt: 3710′ ***(2962′)***



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



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

CHANGES: Trans Level; corridors withdrawn; crossings.

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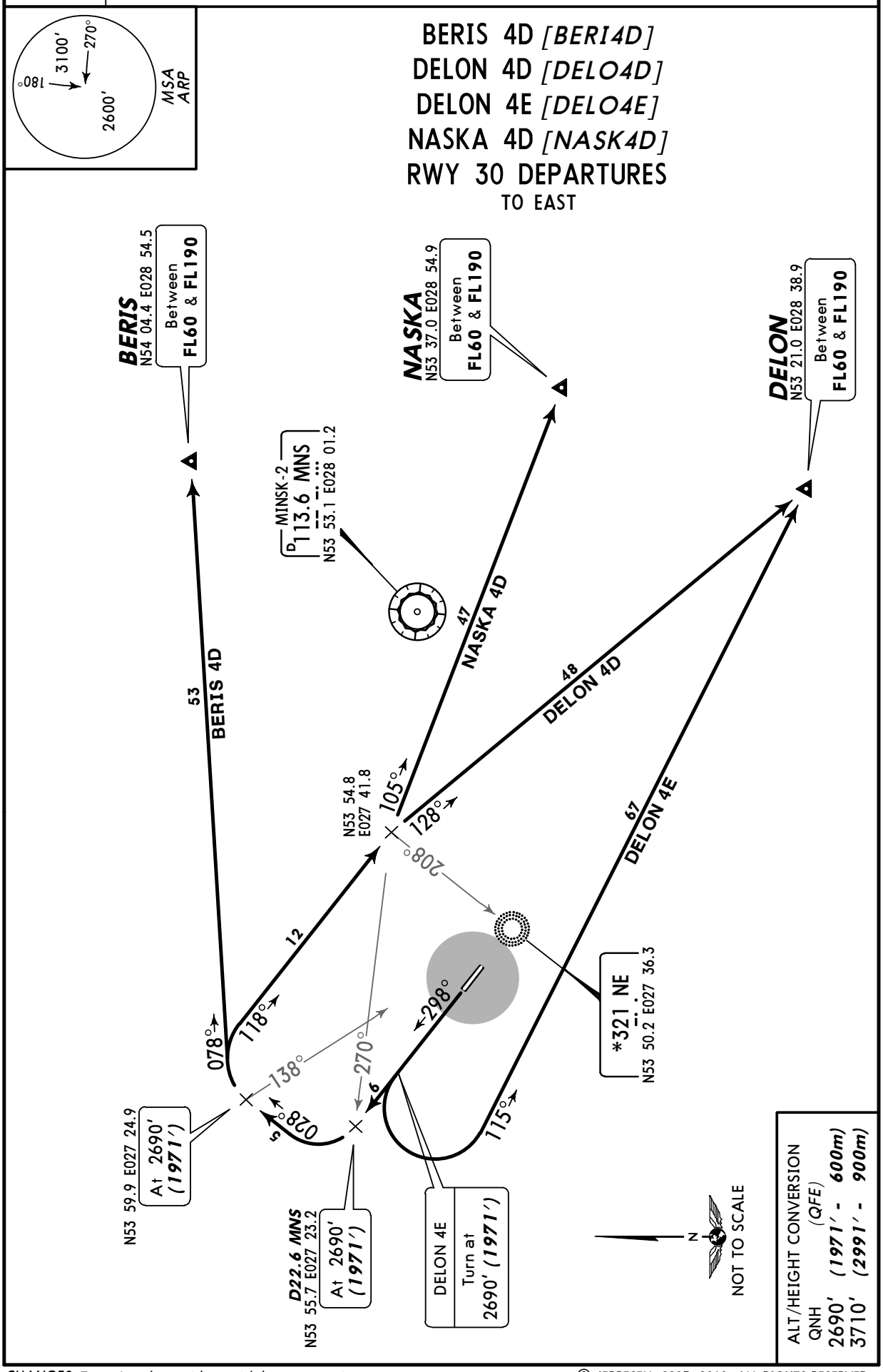
UMMM/MHP
MINSK-1

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′)***



CHANGES: Trans Level; corridors withdrawn; crossings.

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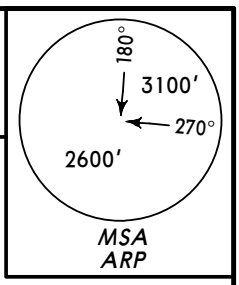
Apt Elev 749′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL50 FL60 if pressure is less than 733 mm (977.3 hPa) Trans alt: 3710′ ***(2962′)***



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

❶ By ATC.

N54 00.7 E027 27.7
At or above **FL60**

GOVIK 3D
KOLOS 3D
LUPAN 3D
OSMUS 3E
Turn at 1410′***(662′)***

OSMUS
N53 53.7 E026 43.4
Between **FL60** & **FL190**

245°
28
170°
13 OSMUS 3D
298°

*321 GK
N53 53.6 E027 28.3

273°
N53 52.1 E027 43.7
At 3050′ ***(2302′)***

118°
5
028°
169°
N53 49.7 E027 37.6
At 2390′ ***(1642′)***

36 OSMUS 3E ❶
274°
240°
221°

GOVIK
N53 36.1 E026 49.4
Between **FL60** & **FL190**

35 GOVIK 3D ❶
35 KOLOS 3D ❶
45 LUPAN 3D ❶

KOLOS
N53 27.4 E026 57.4
Between **FL60** & **FL190**

LUPAN
N53 07.1 E027 40.6
Between **FL60** & **FL190**

N
NOT TO SCALE

ALT/HEIGHT CONVERSION

QNH	(QFE)
1410′	***(662′ - 200m)***
2390′	***(1642′ - 500m)***
3050′	***(2302′ - 700m)***
3710′	***(2962′ - 900m)***

CHANGES: Trans Level; corridors withdrawn; crossings.

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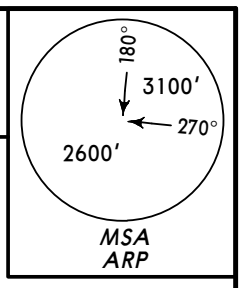
Apt Elev 749′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL50 FL60 if pressure is less than 733 mm (977.3 hPa) Trans alt: 3710′ ***(2991′)***

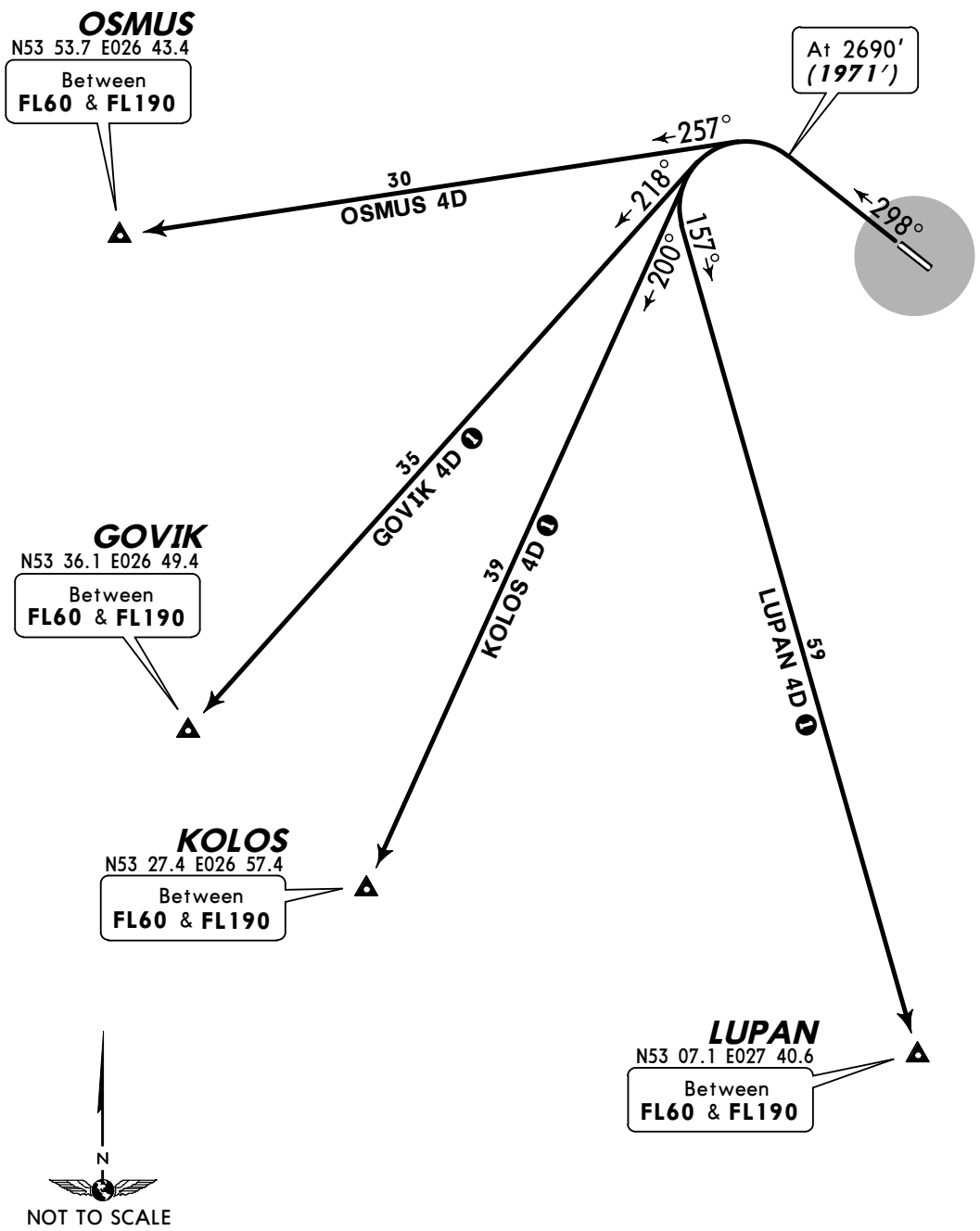


GOVIK 4D[GOVI4D]❶, KOLOS 4D[KOLO4D]❶ LUPAN 4D[LUPA4D]❶, OSMUS 4D[OSMU4D]

RWY 30 DEPARTURES

TO SOUTH & WEST

❶ By ATC.



ALT/HEIGHT CONVERSION

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

CHANGES: Trans Level; corridors withdrawn; crossings.

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UMMM/MHP

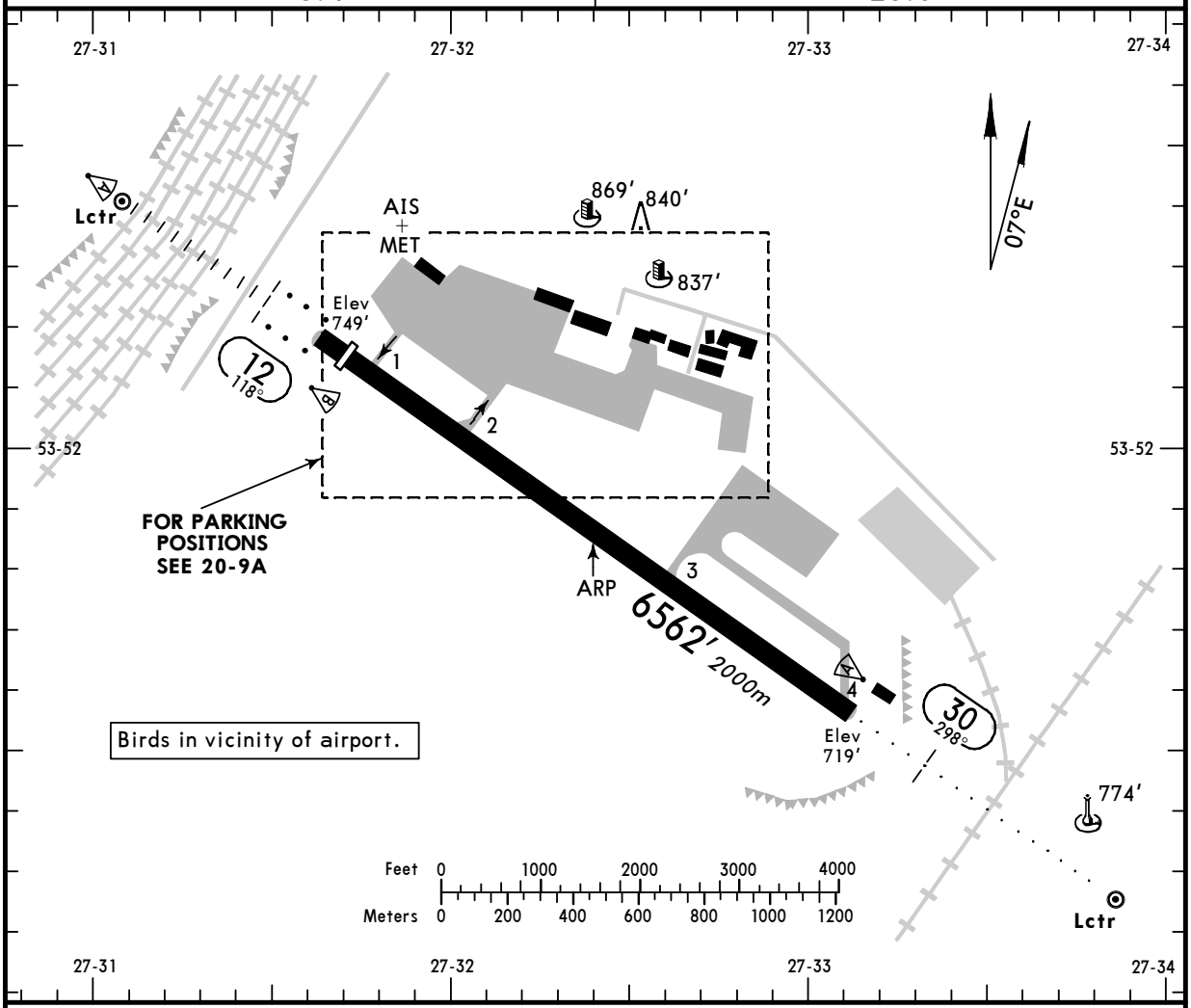
Apt Elev **749'**
N53 51.9 E027 32.4

JEPPESEN
3 DEC 10 (20-9) **Eff 16 Dec**

MINSK, BELARUS

MINSK-1

*ATIS	*MINSK-1 Tower
118.4	128.0



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS — LANDING BEYOND — Threshold	Glide Slope	TAKE-OFF	WIDTH
12 30	RL *(50m)* ALS RVR	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	*250m*	*400m*
B		
C		
D	*300m*	

CHANGES: None.

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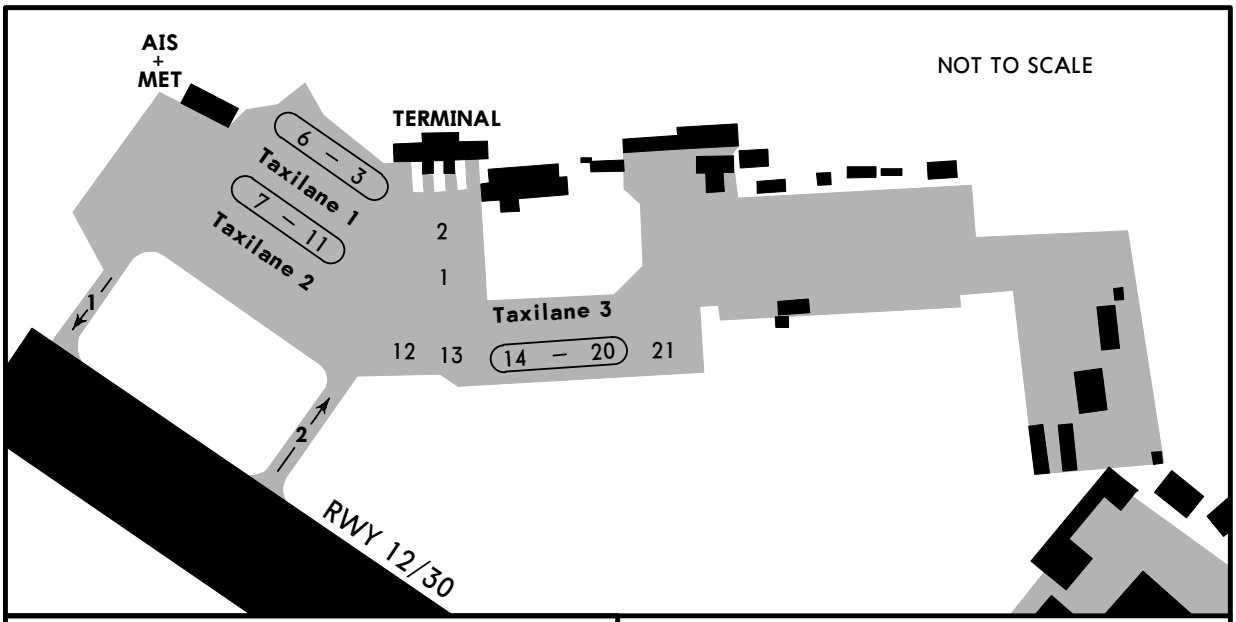

INS COORDINATES	
STAND No.	COORDINATES
1, 2	N53 52.2 E027 32.1
3 thru 6	N53 52.3 E027 32.0
7, 8	N53 52.2 E027 31.9
9 thru 11	N53 52.2 E027 32.0

Stands 12, 14 thru 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.

CHANGES: Stands.

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STRAIGHT-IN RWY		A	B	C	D
12	ILS	**948**′(200′)	**958**′(210′)	**968**′(220′)	**978**′(230′)
		R800m	**R800m**	**R800m**	**R800m**
	ALS out	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**
	ALS out	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, B, C	*250m*	*400m*	*500m*
D	*300m*		

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JEPPESEN
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UMMM/MHP
MINSK-1

JEPPESEN
5 NOV 10 (21-1) Eff 18 Nov

MINSK, BELARUS
ILS or 2 NDB Rwy 12

BRIEFING STRIP ™

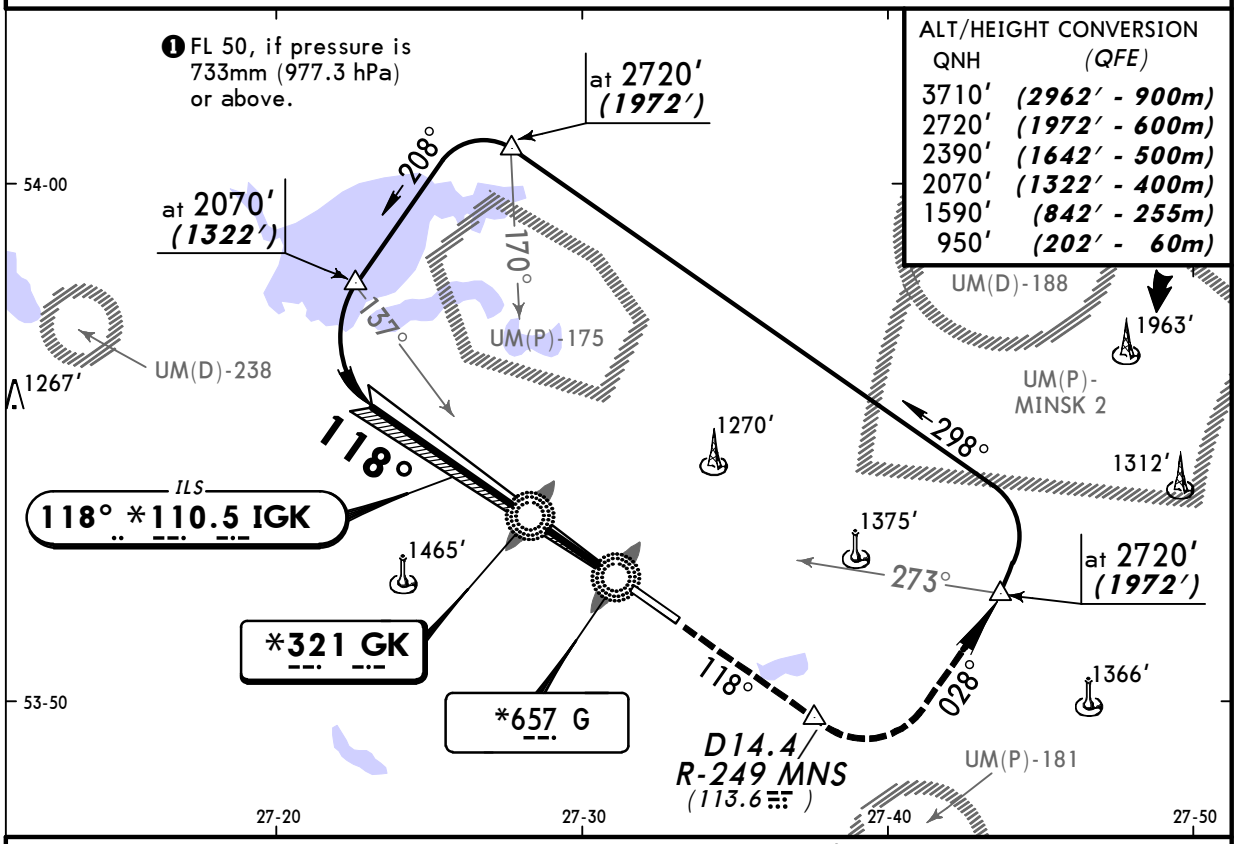
*ATIS	*MINSK-1 Tower
118.4	128.0

LOC IGK *110.5	Final Apch Crs 118°	GS LOM 1585′(837′)	ILS DA(H) Refer to Minimums	Apt Elev 749′
NDB GK *321		Minimum Alt No FAF	NDB MDA(H) 1600′(852′)	RWY 748′

180° 3100′ 270° 2600′
MSA ARP

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.

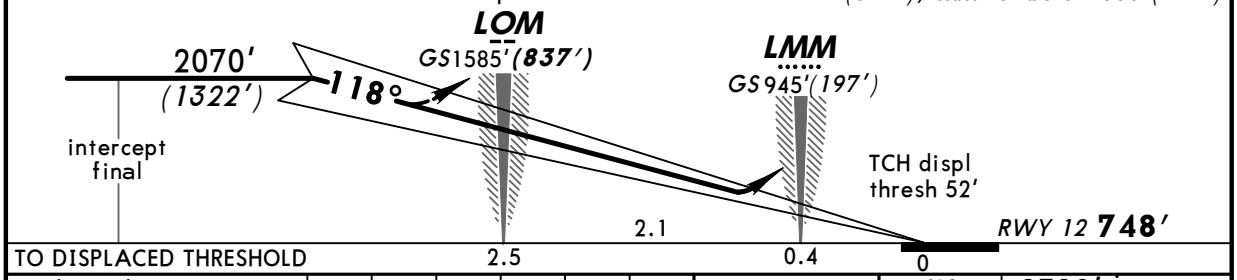
Alt Set: MM (hPa on req) QNH on req **(QFE)** Trans level: FL 60 ❶ Trans alt: 3710′(2962′)
Procedure restricted to MAX 160 KT.



ALT/HEIGHT CONVERSION

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

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



Gnd speed-Kts	70	90	100	120	140	160
ILS GS or NDB Descent angle 3.00°	377	484	538	646	753	861

ALS 2390′ (1642′) on 118°

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

PANS OPS

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 ™

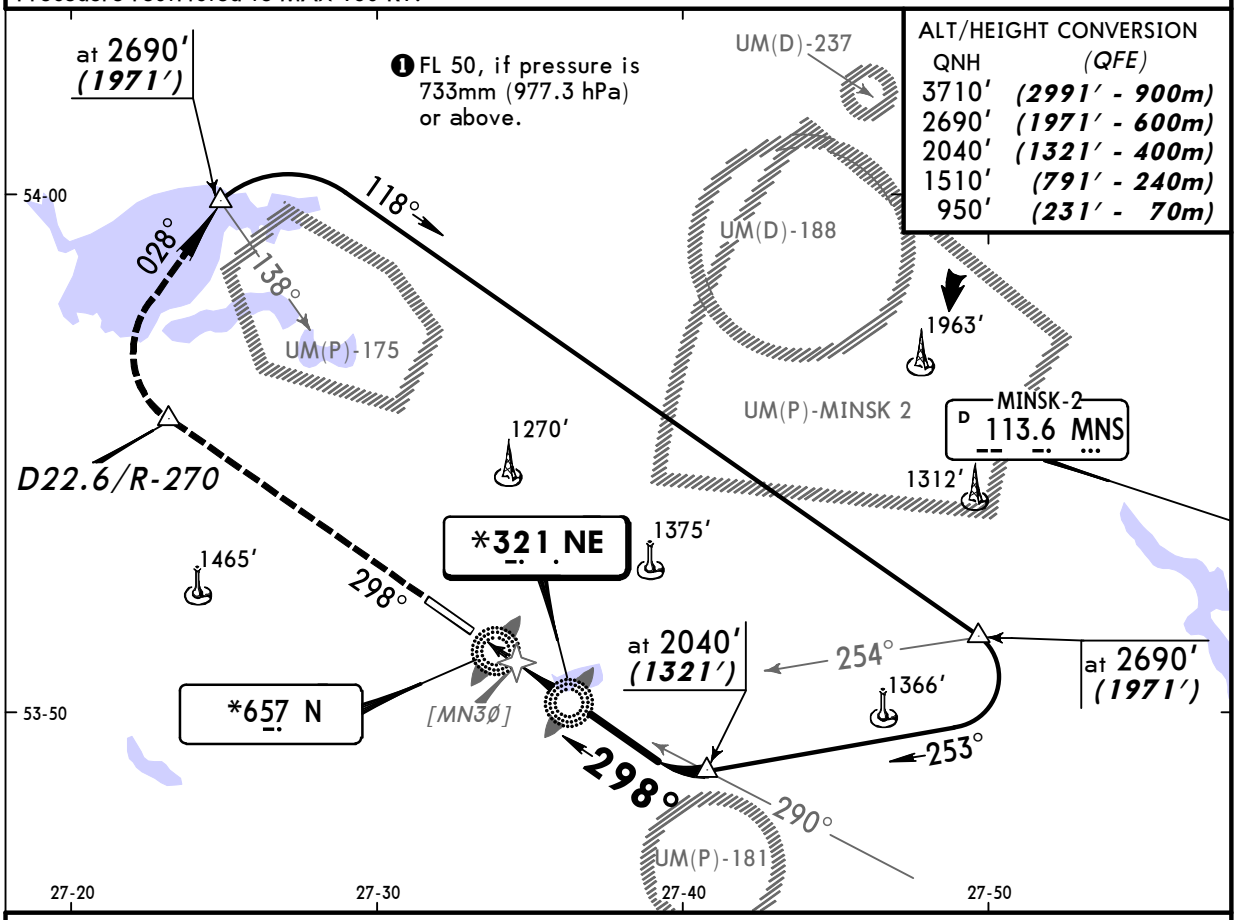
*ATIS	*MINSK-1 Tower
118.4	128.0

NDB	Final Apch Crs	Minimum Alt LOM	MDA(H)	Apt Elev 749'
NE *321	298°	1510' (791')	1050' (331')	RWY 719'

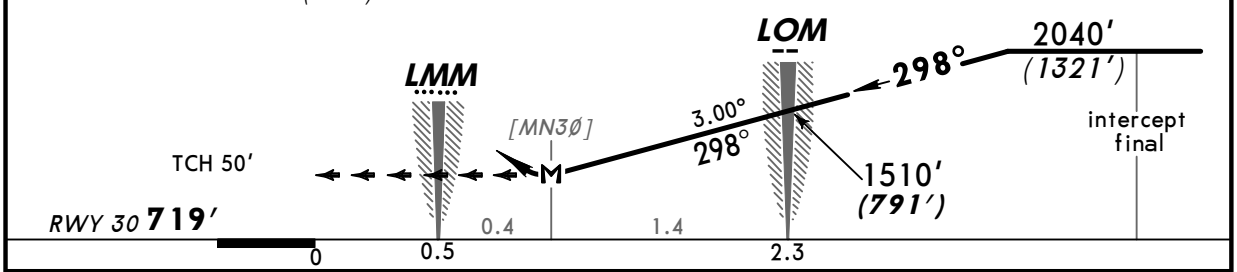
MISSED APCH: Climb on 298° to 2690' (1971'). Not before 6.5 NM from ARP or D22.6/R-270 turn RIGHT onto 028°, then according to chart.

MSA ARP: 180° 3100' 270° 2600'

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 ❶ 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

ALS

2690' (1971') on 298°

STRAIGHT-IN LANDING RWY 30

MDA(H) 1050' (331')

ALS out

PANS OPS

A	
B	
C	RVR 1500m VIS 1600m
D	

CHANGES: Communications. Trans level.

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