

Page 1

Changed chart(s) since Disc 26-2012

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

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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No revision activity since Disc 26-2012

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UNNT

UNNT (Tolmachevo)**General Info**

Novosibirsk, RUS

N 55° 02.0' E 82° 36.0' Mag Var: 9.6°E

Elevation: 368'

Public, IFR, Control Tower, Customs

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+7:00 no DST

Runway Info

Runway 07-25 11801' x 197' asphalt

Runway 16-34 11818' x 148' concrete

Runway 07 (72.0°M) TDZE 365'

Lights: Edge, ALS

Runway 16 (161.0°M) TDZE 362'

Lights: Edge, ALS, Centerline, TDZ

Runway 25 (252.0°M) TDZE 363'

Lights: Edge, ALS

Runway 34 (341.0°M) TDZE 368'

Lights: Edge, ALS, Centerline

Communications InfoATIS **131.3**ATIS **127.4** Non-EnglishNovosibirsk Start Tower **118.5**Novosibirsk Taxiing Ground Control **121.7**Novosibirsk Approach Control **127.5**Novosibirsk Approach Control **127.1**Novosibirsk Krug Radar **122.0****Notebook Info**

UNNT/OVB
TOLMACHEVO

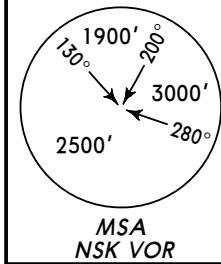
JEPPESEN
25 MAY 12 10-2 Eff 31 May

NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL60 Trans alt: 4640' (4275')	(QFE)
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GV 07D, KD 07D, KG 07D
RWY 07 ARRIVALS



Do not overfly central part
of city below 4310' (3945').

KENGA
N56 19.2 E080 42.1

126° 43

KEGAV
N55 47.6 E081 35.1

141°

KG 53 07D

NOVOTYRYSKINO
715 KD
N55 16.9 E082 24.3

-107° 287°
180°

KD 15 07D

KOLYVAN
660 GV
N55 19.3 E082 42.2

GV 21 07D



D10.6 NSK
N55 02.0 E082 20.0
(NSK R-268)

At 3650'
(3285')

D10.5 NSK
N55 01.2 E082 20.2
(NSK R-262)

At 3650'
(3285')

D10.5 NSK
N55 02.5 E082 20.4
(NSK R-271)

At 3650'
(3285')

D8.8 NSK
N54 59.8 E082 23.2
(NSK R-255)

At 2670'
(2305')

Intercept
final at
2010'
(1645')

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4

310 RO
N55 00.2 E082 33.7

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4275' - 1300m)
4310'	(3945' - 1200m)
3650'	(3285' - 1000m)
2670'	(2305' - 700m)
2010'	(1645' - 500m)

UNNT/OVB
TOLMACHEVO

25 MAY 12

10-2A

Eff 31 May

NOVOSIBIRSK, RUSSIA

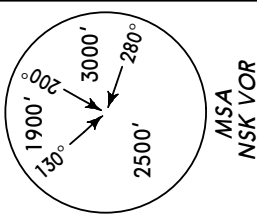
STAR

ATIS
131.3 (Russian 127.4)

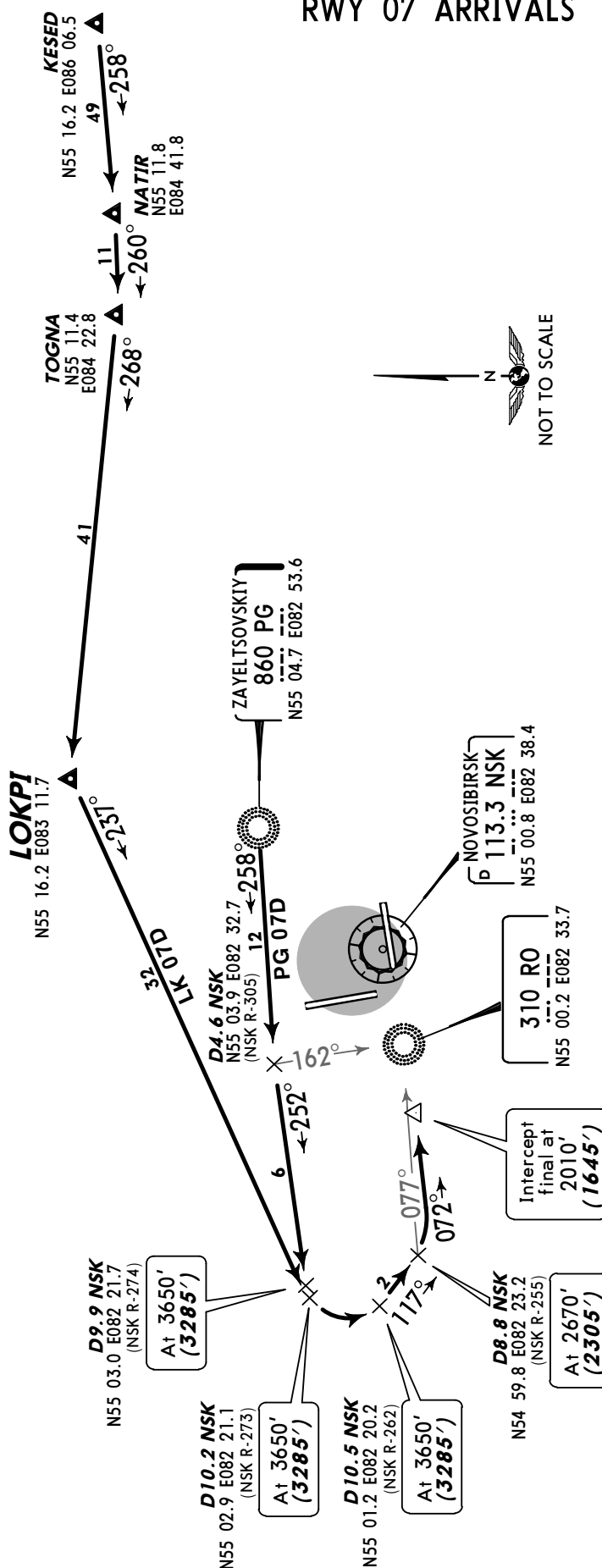
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL60 Trans alt: 4640' (4275')

(QFE)



LK 07D, PG 07D RWY 07 ARRIVALS



ALT/HEIGHT CONVERSION

(QFE)

4640' (4275' - 1300m)
4310' (3945' - 1200m)
3650' (3285' - 1000m)
2670' (2305' - 700m)
2010' (1645' - 500m)

UNNT/OVB
TOLMACHEVO

25 MAY 12

10-2B

Eff 31 May

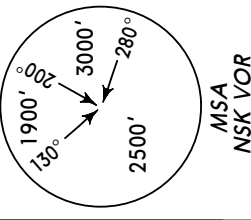
NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

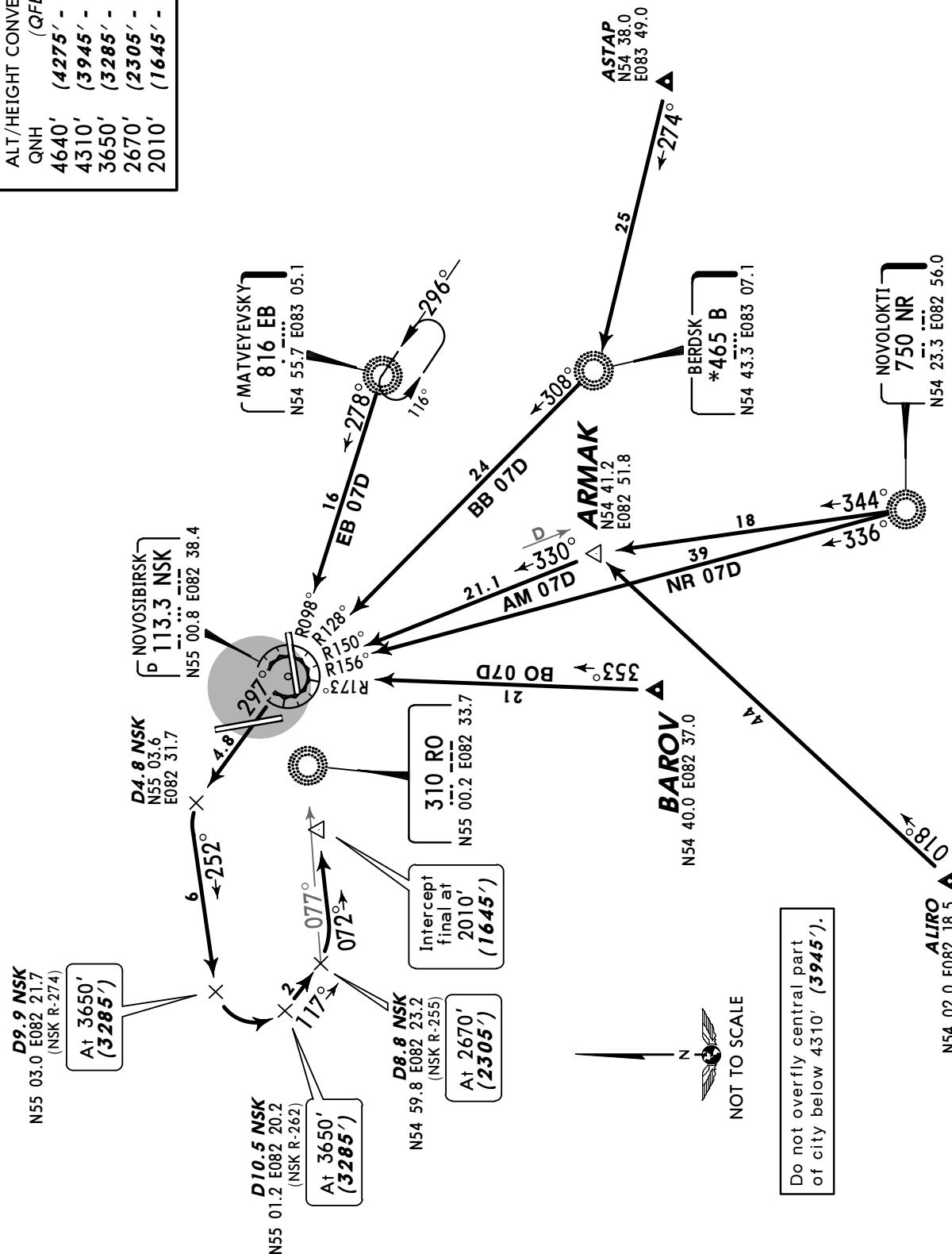
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4275')



AM 07D, BB 07D, BO 07D, EB 07D, NR 07D
RWY 07 ARRIVALS

ALT/HEIGHT CONVERSION
(QFE)

QNH	(4275' - 1300m)
4640'	(3945' - 1200m)
4310'	(3285' - 1000m)
3650'	(2305' - 700m)
2670'	(1645' - 500m)
2010'	



UNNT/OVB
TOLMACHEVO

25 MAY 12

JEPPESEN

10-2C

Eff 31 May

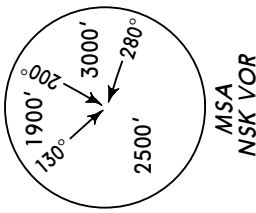
NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)

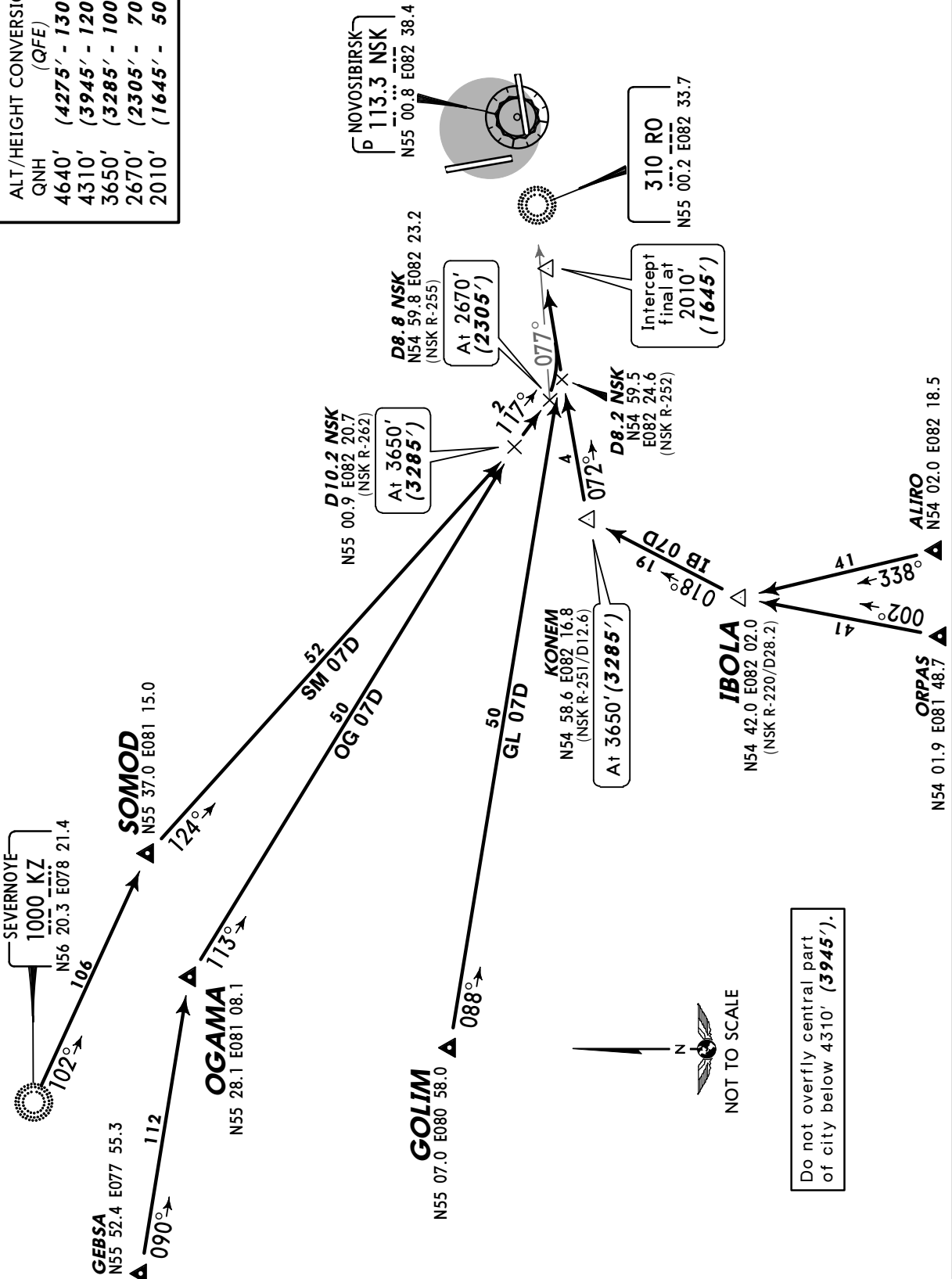
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4275')



GL 07D, IB 07D, OG 07D, SM 07D
RWY 07 ARRIVALS

ALT/HEIGHT CONVERSION	QNH	(QFE)
4640'	(4275' - 1300m)	
4310'	(3945' - 1200m)	
3650'	(3285' - 1000m)	
2670'	(2305' - 700m)	
2010'	(1645' - 500m)	



UNNT/OVB
TOLMACHEVO

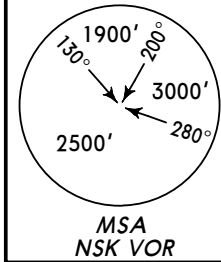
JEPPESEN
25 MAY 12 10-2D Eff 31 May

NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL60 Trans alt: 4640' (4278')	(QFE)
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GV 16D, KD 16D, LG 16D, OR 16D
RWY 16 ARRIVALS



Do not overfly central part
of city below 4300' (3938').

BAKCHAR
605 BA
N57 00.4 E082 03.6

LAMGA
N56 01.2 E082 15.7

ORTIK
N56 03.5 E082 26.4

NOVOTYRSHKINO
715 KD
N55 16.9 E082 24.3

KOLYVAN
660 GV
N55 19.3 E082 42.2

D11.4 NSK
N55 11.7 E082 32.3
(NSK R-333)
(158° brg to SV)

D11.4 NSK
N55 11.9 E082 33.8
(NSK R-338)
(165° brg to SV)

At 2010'
(1648')

At 2010'
(1648')

At 2010'
(1648')

Intercept
final at
2010'
(1648')

875 SV
N55 05.0 E082 35.0

ALT/HEIGHT CONVERSION
QNH (QFE)
4640' (4278' - 1300m)
4300' (3938' - 1200m)
2010' (1648' - 500m)

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4

**UNNT/OVB
TOLMACHEVO**

25 MAY 12

JEPPESEN

NOVOSIBIRSK, RUSSIA

Eff 31 May

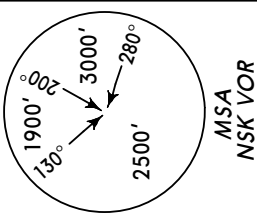
STAR

ATIS
131.3 (Russian 127.4)

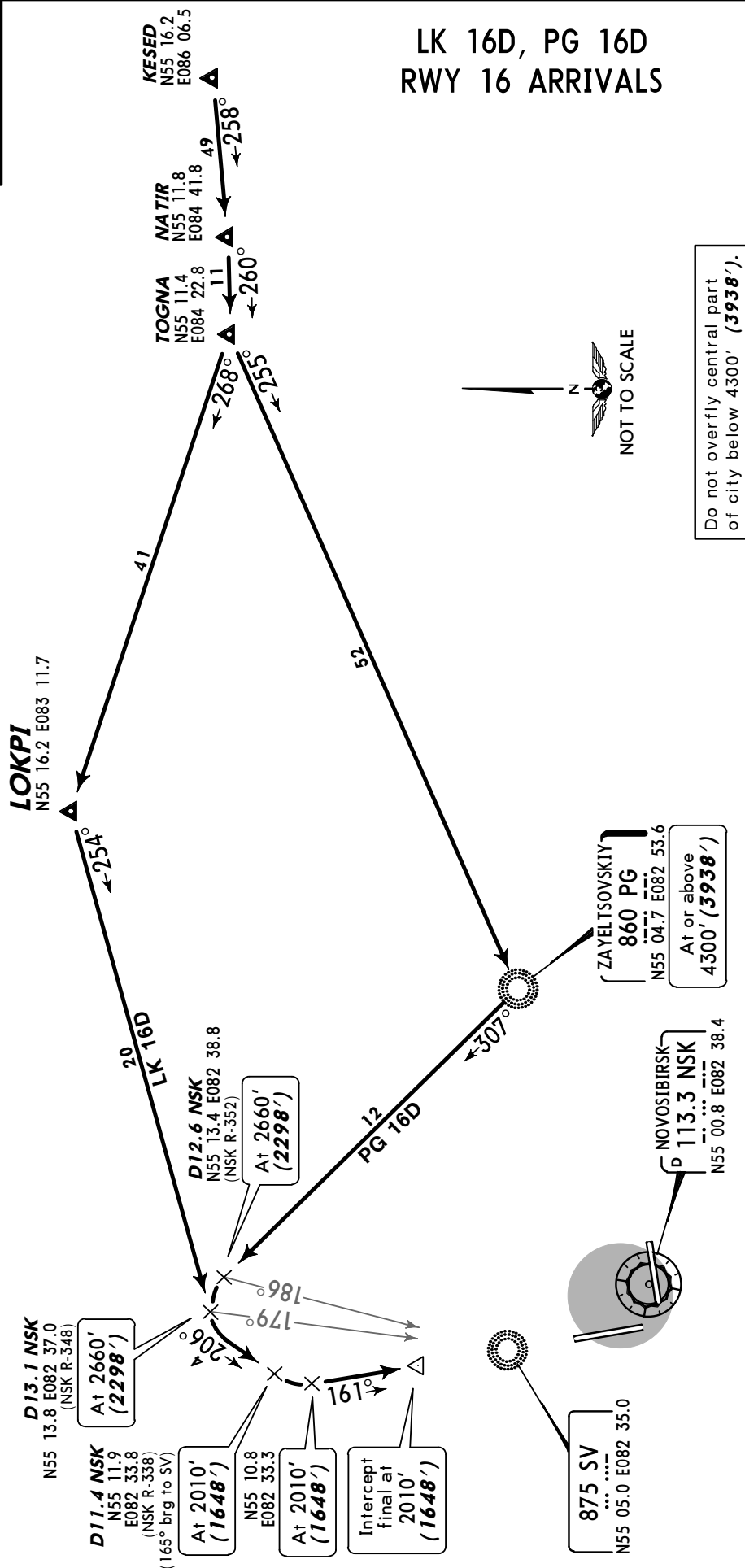
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL60 Trans alt: 4640' (**4278'**)

(QFE)



LK 16D, PG 16D
RWY 16 ARRIVALS



ALT/HEIGHT CONVERSION	QNH	(QFE)
	4640'	(4278' - 1300m)
	4300'	(3938' - 1200m)
	2260'	(2298' - 700m)
	2010'	(1648' - 500m)

Do not overfly central part
of city below 4300' (**3938'**).

UNNT/OVB
TOLMACHEVO

25 MAY 12

JEPPESEN

NOVOSIBIRSK, RUSSIA

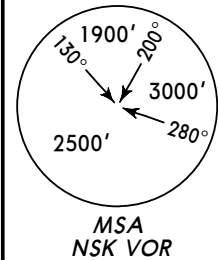
Eff 31 May**STAR**

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

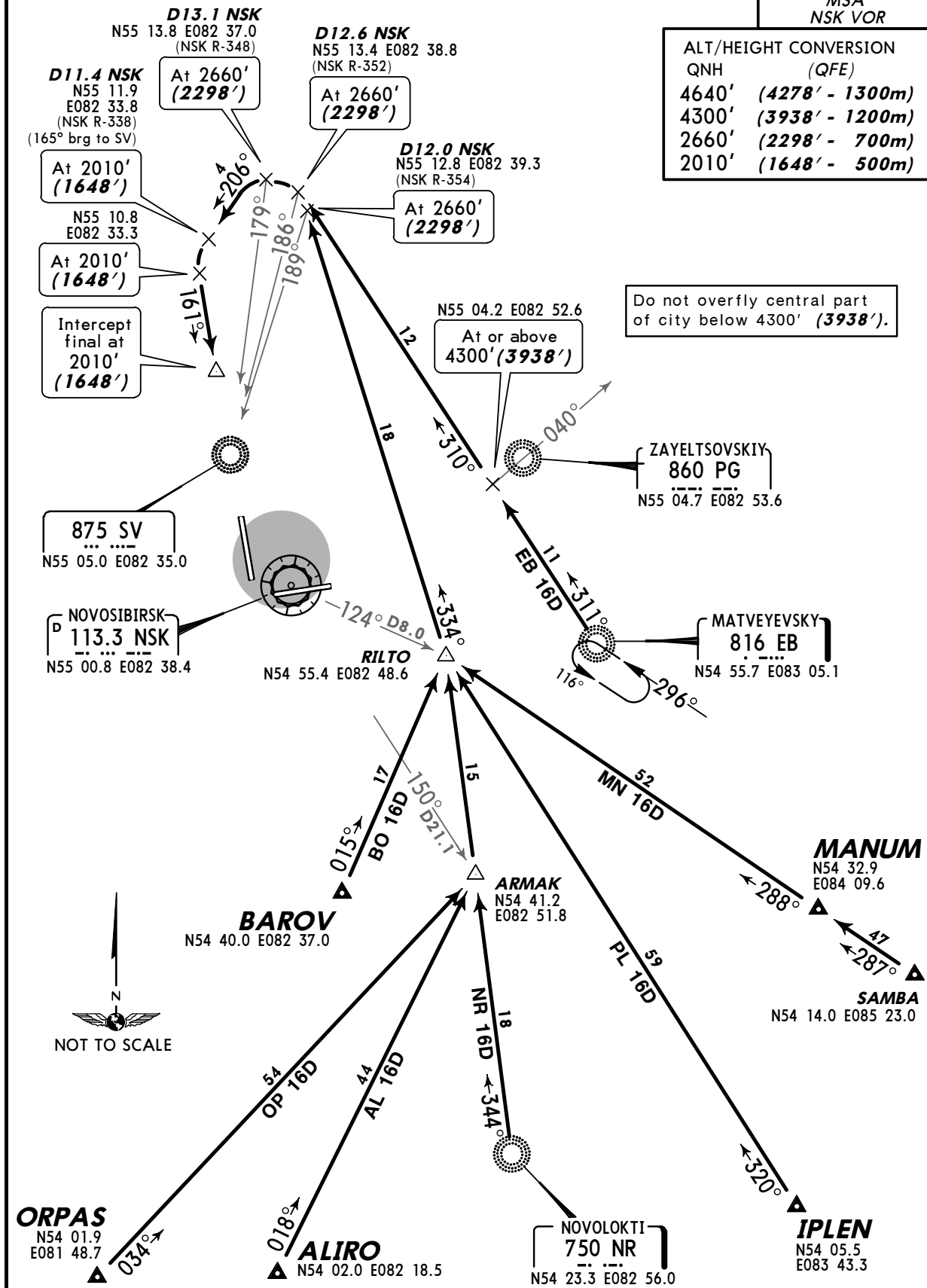
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (**4278'**)

AL 16D, BO 16D, EB 16D, MN 16D
NR 16D, OP 16D, PL 16D
RWY 16 ARRIVALS



ALT/HEIGHT CONVERSION
QNH (QFE)

4640'	(4278' - 1300m)
4300'	(3938' - 1200m)
2660'	(2298' - 700m)
2010'	(1648' - 500m)



CHANGES: EB INS coordinates.

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UNNT/OVB
TOLMACHEVO

25 MAY 12

10-2G

Eff 31 May

NOVOSIBIRSK, RUSSIA

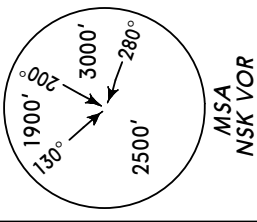
STAR

ATIS
131.3 (Russian 127.4)

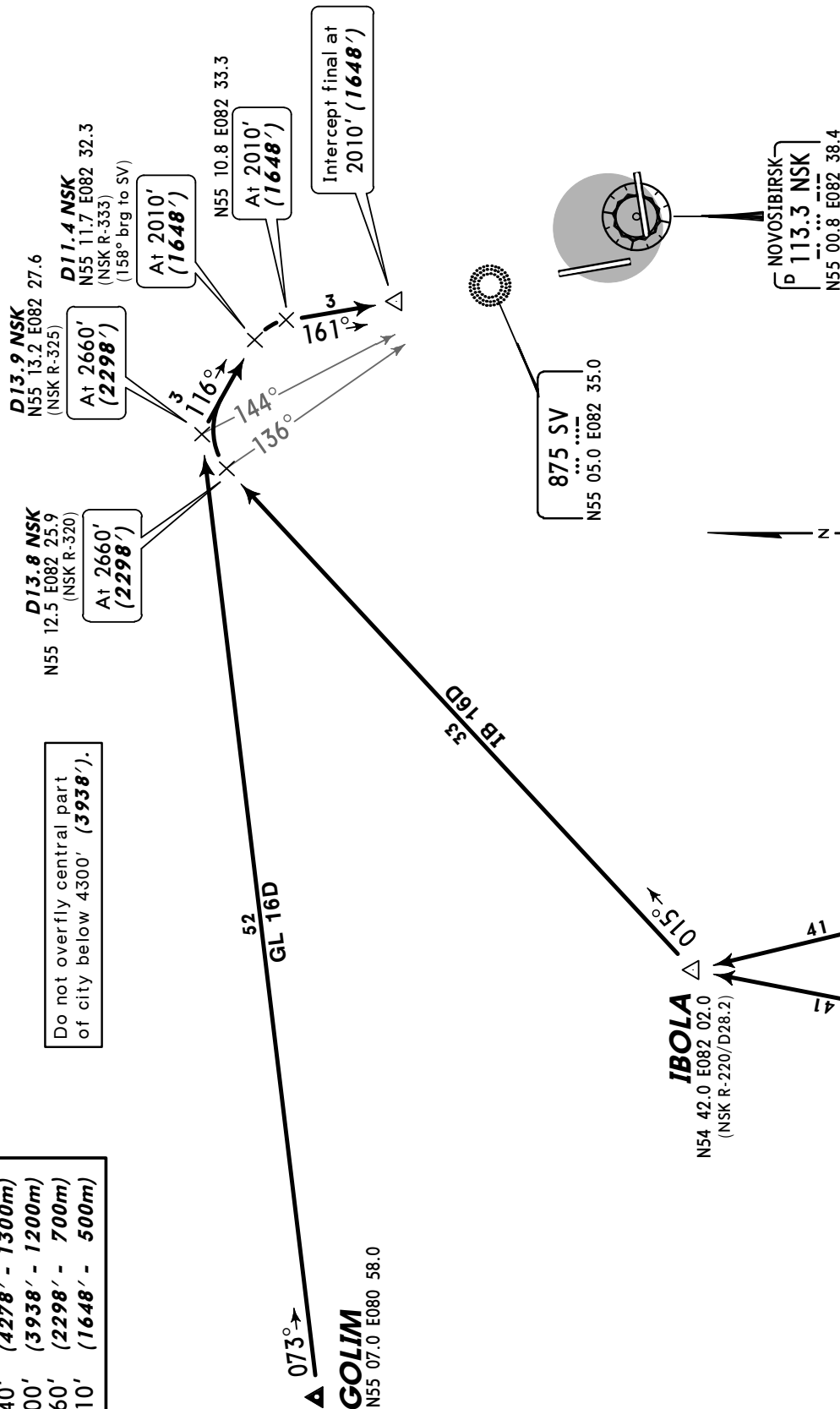
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL60 Trans alt: 4640' (4278')

(QFE)



GL 16D, IB 16D
RWY 16 ARRIVALS



ALT/HEIGHT CONVERSION	QNH	(QFE)
4640'	(4278' - 1300m)	
4300'	(3938' - 1200m)	
2660'	(2298' - 700m)	
2010'	(1648' - 500m)	

Do not overfly central part
of city below 4300' (3938').

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 (10-2H) Eff 31 May

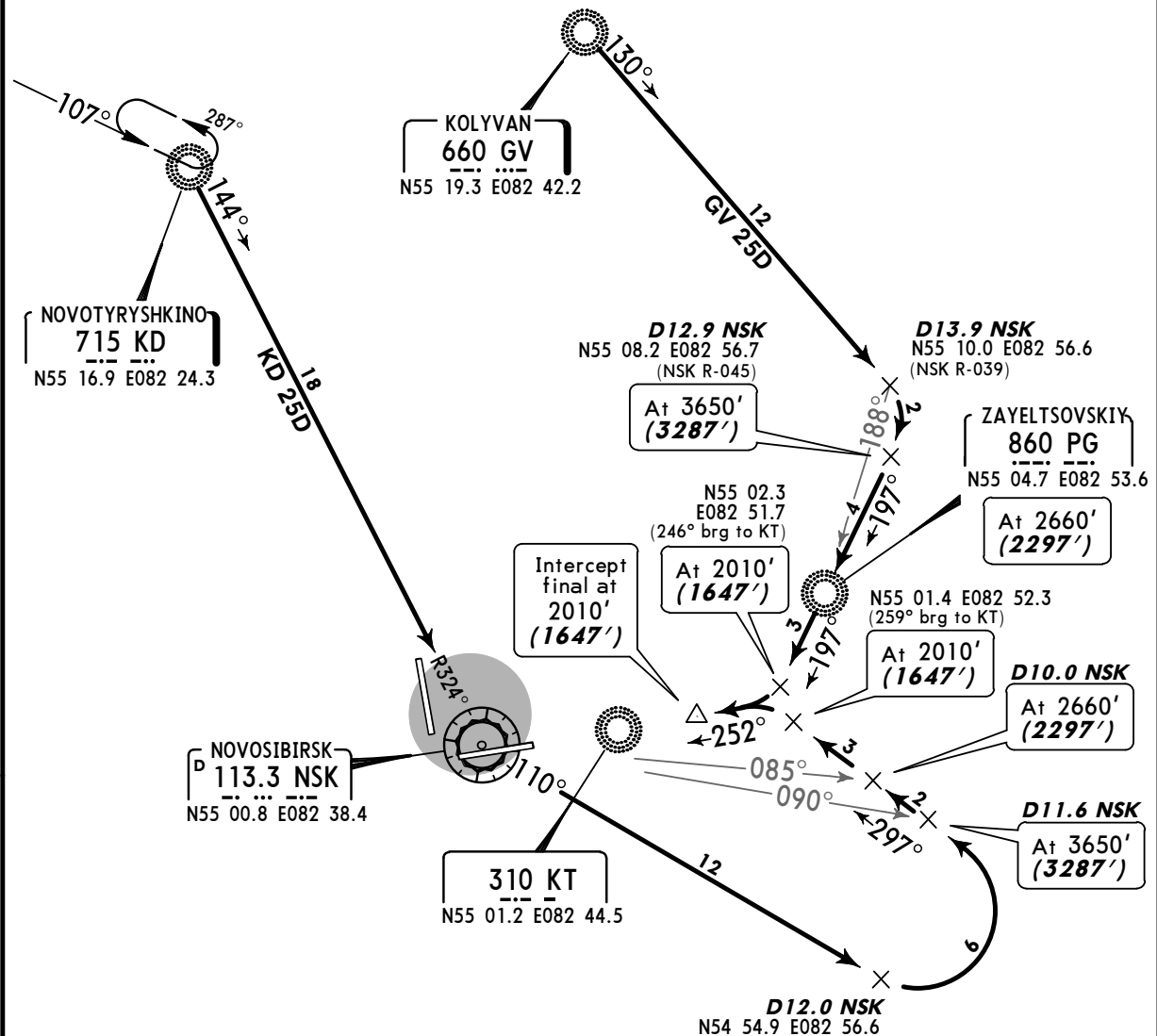
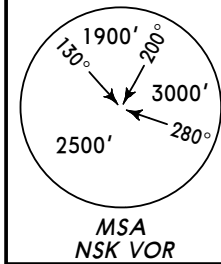
NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL60 Trans alt: 4640' (4277')	(QFE)
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GV 25D, KD 25D
RWY 25 ARRIVALS

Do not overfly central part
of city below 4300' (**3937'**).



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4277' - 1300m)
4300'	(3937' - 1200m)
3650'	(3287' - 1000m)
2660'	(2297' - 700m)
2010'	(1647' - 500m)



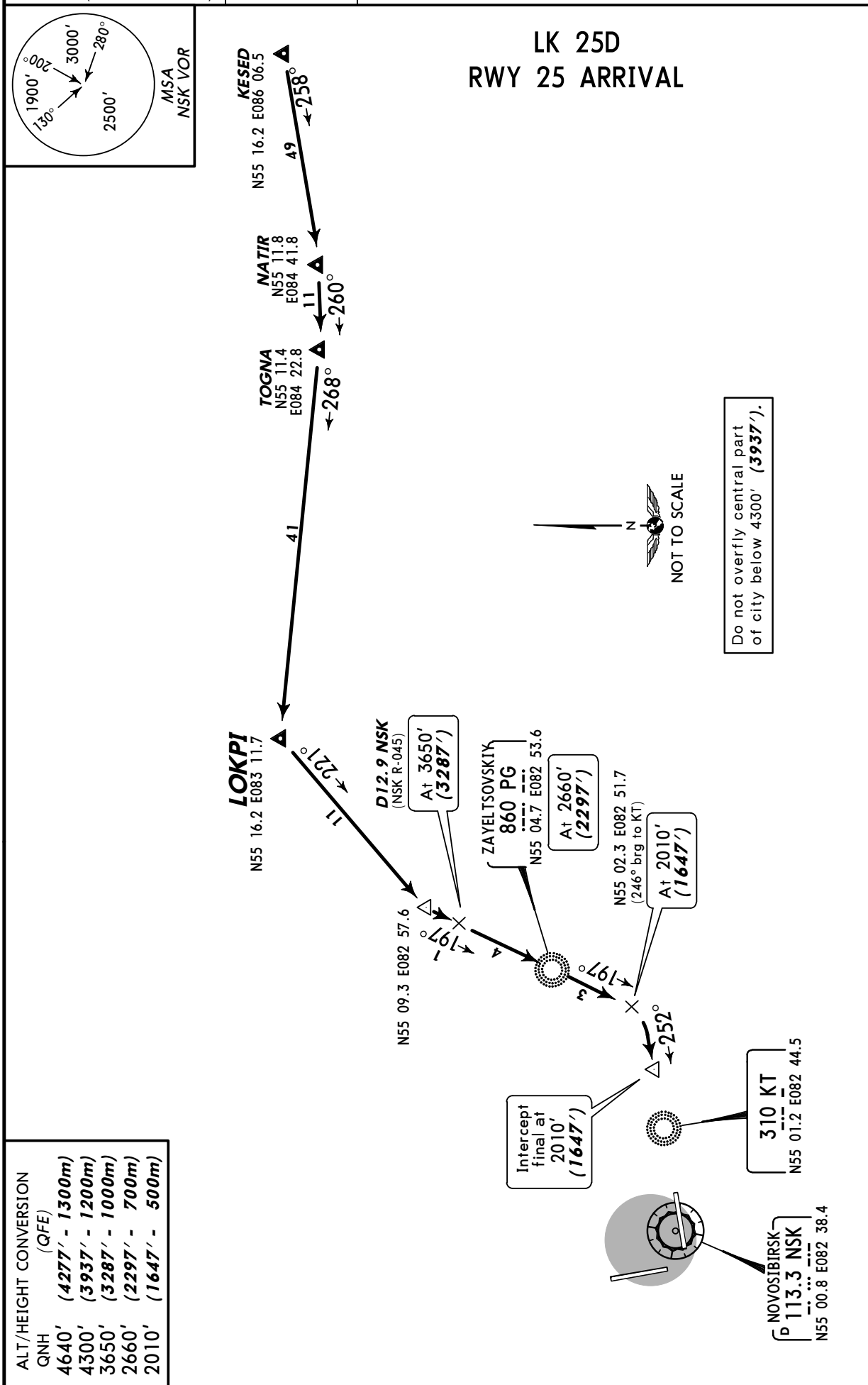
UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 10-2J Eff 31 May

NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL60 Trans alt: 4640' (4277')	(QFE)
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UNNT/OVB
TOLMACHEVO

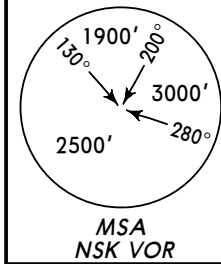
JEPPESEN
25 MAY 12 10-2K Eff 31 May

NOVOSIBIRSK, RUSSIA

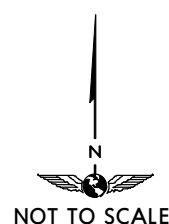
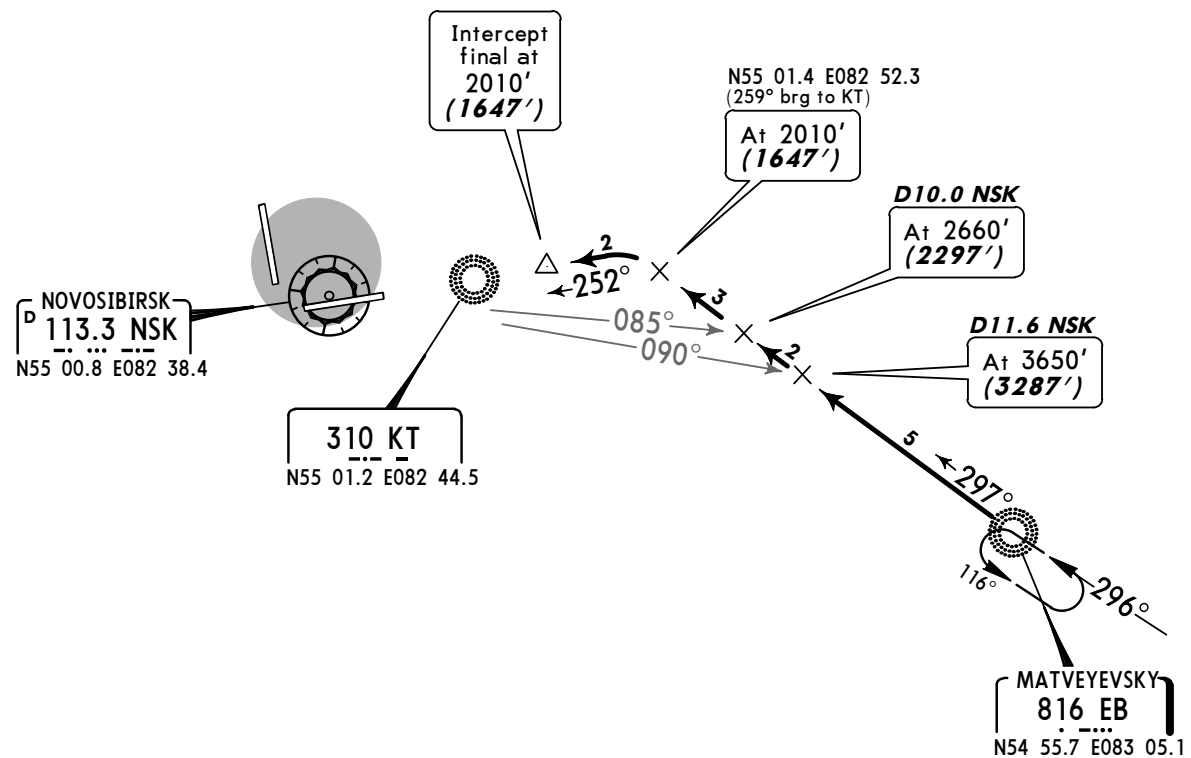
STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL60 Trans alt: 4640' (4277')	(QFE)
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EB 25D
RWY 25 ARRIVAL



Do not overfly central part
of city below 4300' (**3937'**).



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4277' - 1300m)
4300'	(3937' - 1200m)
3650'	(3287' - 1000m)
2660'	(2297' - 700m)
2010'	(1647' - 500m)

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 10-2L Eff 31 May

NOVOSIBIRSK, RUSSIA

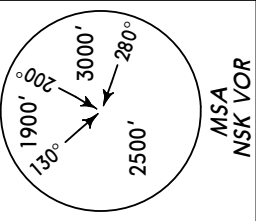
STAR

ATIS
131.3 (Russian 127.4)

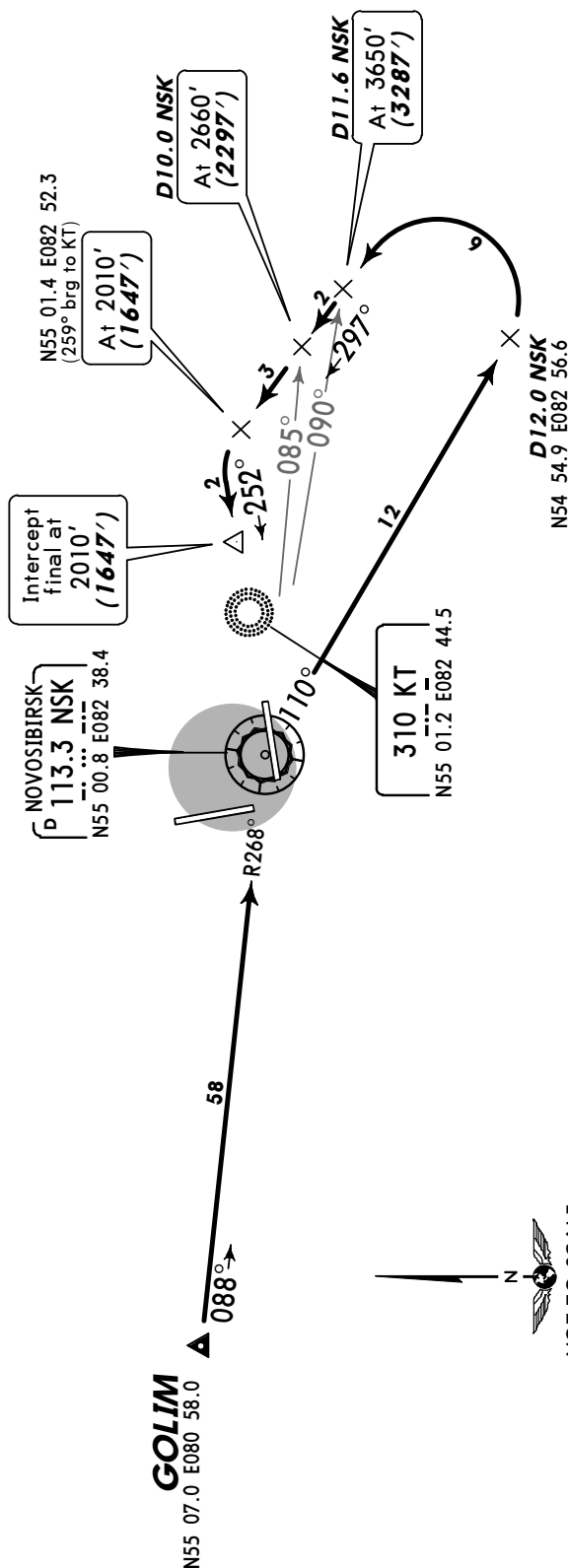
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL60 Trans alt: 4640' (4277')

(QFE)



GL 25D
RWY 25 ARRIVAL



NOT TO SCALE

Do not overfly central part
of city below 4300' (3937').

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4277' - 1300m)
4300'	(3937' - 1200m)
3650'	(3287' - 1000m)
2660'	(2297' - 700m)
2010'	(1647' - 500m)

UNNT/OVB
TOLMACHEVO

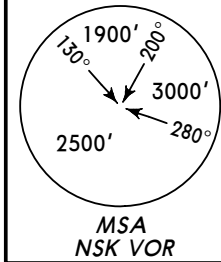
JEPPESEN
25 MAY 12 (10-2M) Eff 31 May

NOVOSIBIRSK, RUSSIA

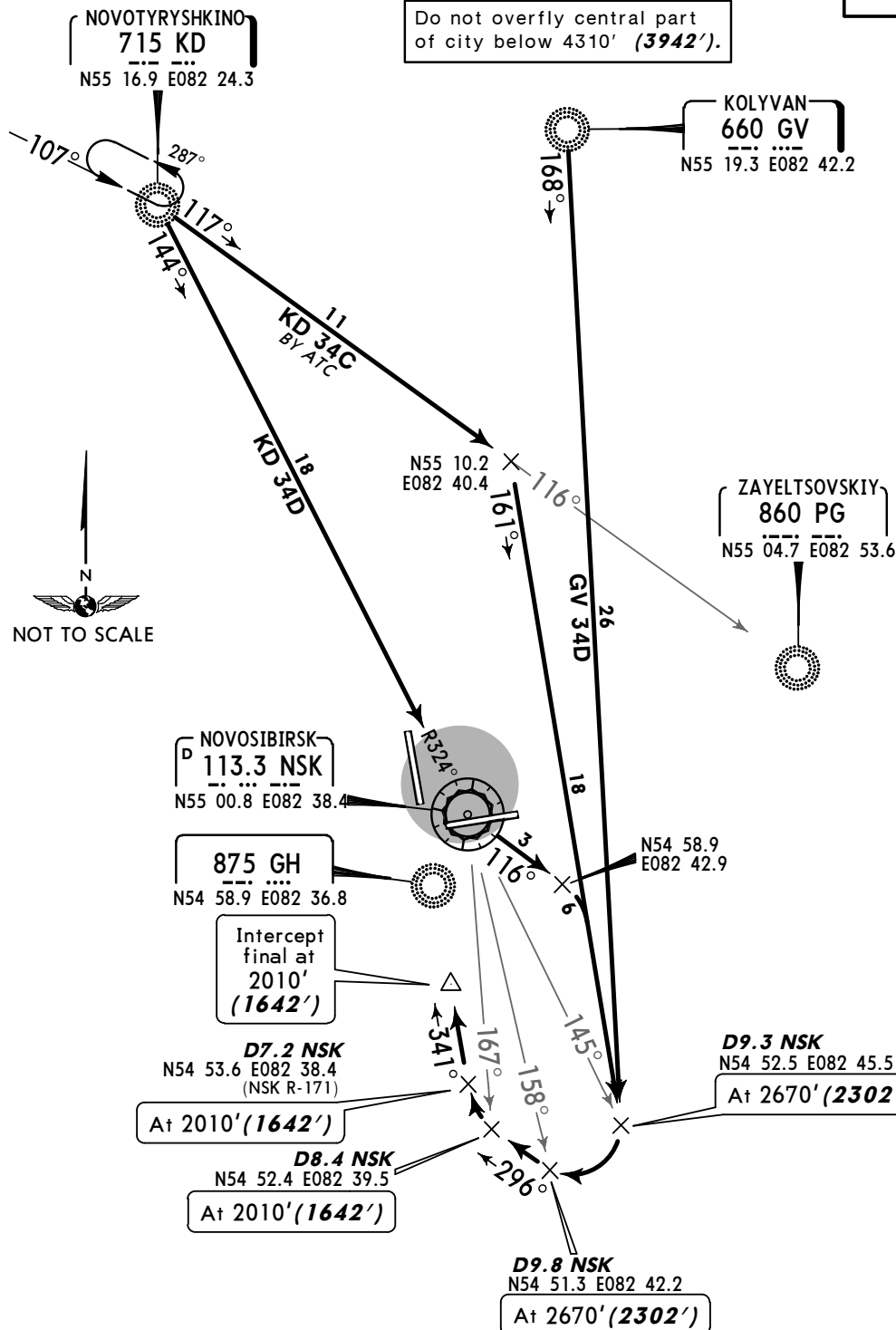
STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL60 Trans alt: 4640' (4272')	(QFE)
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GV 34D, KD 34C, KD 34D RWY 34 ARRIVALS



Do not overfly central part
of city below 4310' (3942').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4272' - 1300m)
4310'	(3942' - 1200m)
2670'	(2302' - 700m)
2010'	(1642' - 500m)

UNNT/OVB
TOLMACHEVO

25 MAY 12

10-2N

Eff 31 May

NOVOSIBIRSK, RUSSIA

STAR

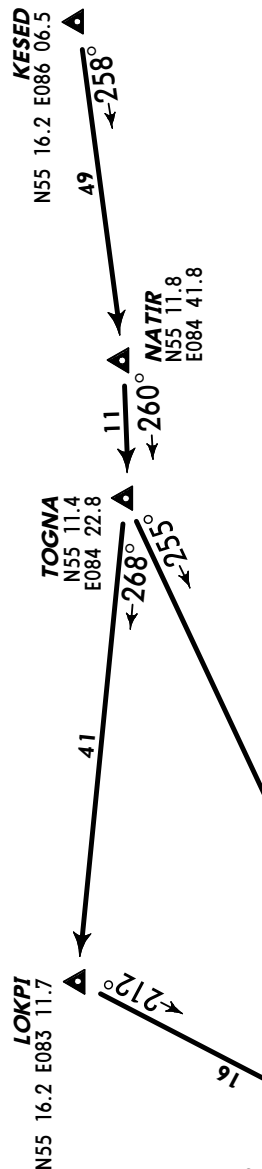
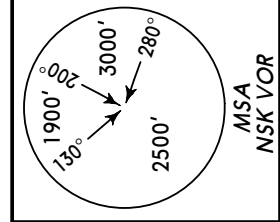
ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL60 Trans alt: 4640' (4272')

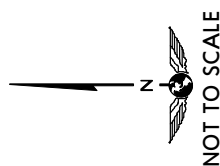
(QFE)

PG 34D
RWY 34 ARRIVAL

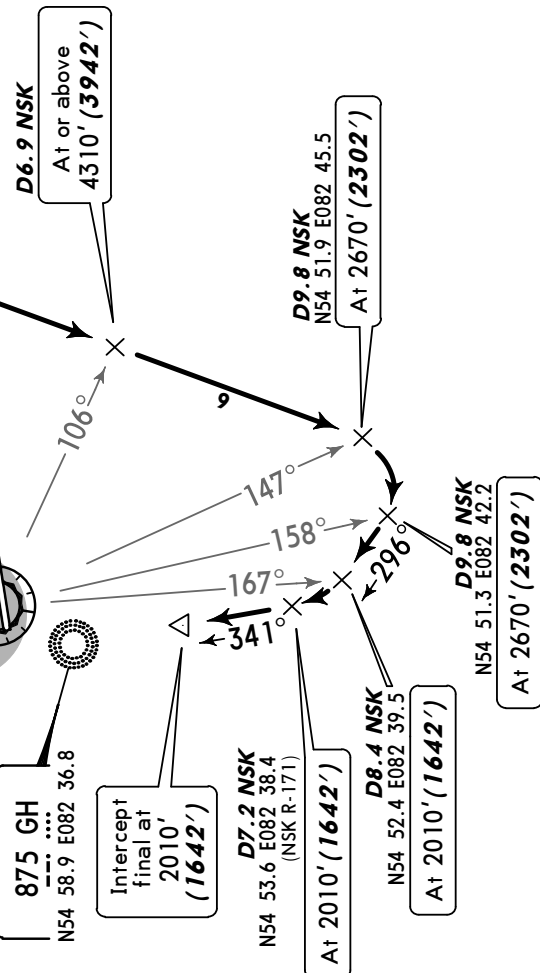


Do not overfly central part
of city below 4310' (3942').

ALT/HEIGHT CONVERSION (QFE)	
QNH	(QFE)
4640'	(4272' - 1300m)
4310'	(3942' - 1200m)
2670'	(2302' - 700m)
2010'	(1642' - 500m)



NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4



UNNT/OVB
TOLMACHEVO

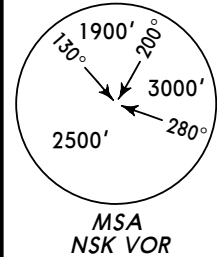
JEPPESEN
25 MAY 12 10-2P Eff 31 May

NOVOSIBIRSK, RUSSIA

STAR

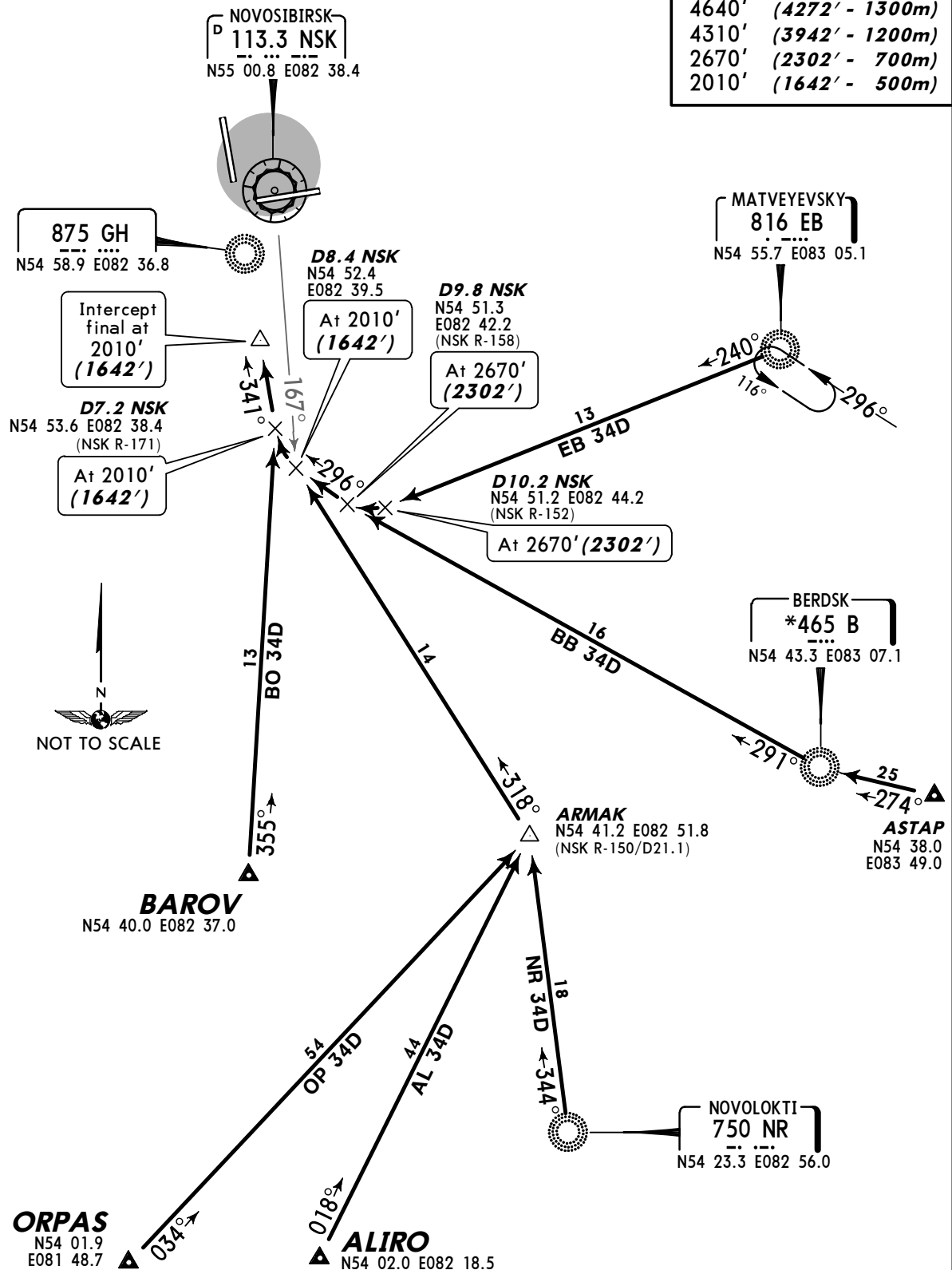
ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL60 Trans alt: 4640' (4272')	(QFE)
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AL 34D, BB 34D, BO 34D, EB 34D, NR 34D, OP 34D
RWY 34 ARRIVALS



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4272' - 1300m)
4310'	(3942' - 1200m)
2670'	(2302' - 700m)
2010'	(1642' - 500m)

Do not overfly central part
of city below 4310' (3942').



UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 (10-2Q) Eff 31 May

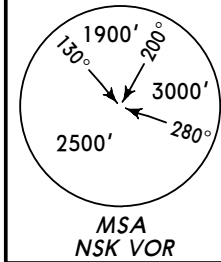
NOVOSIBIRSK, RUSSIA

STAR

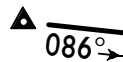
ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL60 Trans alt: 4640' (4272')	(QFE)
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GL 34D
RWY 34 ARRIVAL

Do not overfly central part
of city below 4310' (3942').



GOLIM
N55 07.0
E080 58.0



58

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

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N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

N55 00.8 E082 38.4

875 GH
N54 58.9 E082 36.8

Intercept
final at
2010'
(1642')

D7.2 NSK
N54 53.6 E082 38.4
(NSK R-171)

At 2010' (1642')

D8.4 NSK
N54 52.4 E082 39.5
At 2010' (1642')

D9.3 NSK
N54 52.5 E082 45.5
At 2670' (2302')

D9.8 NSK
N54 51.3 E082 42.2
At 2670' (2302')

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4272' - 1300m)
4310'	(3942' - 1200m)
2670'	(2302' - 700m)
2010'	(1642' - 500m)

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 10-2S Eff 31 May

NOVOSIBIRSK, RUSSIA

STAR

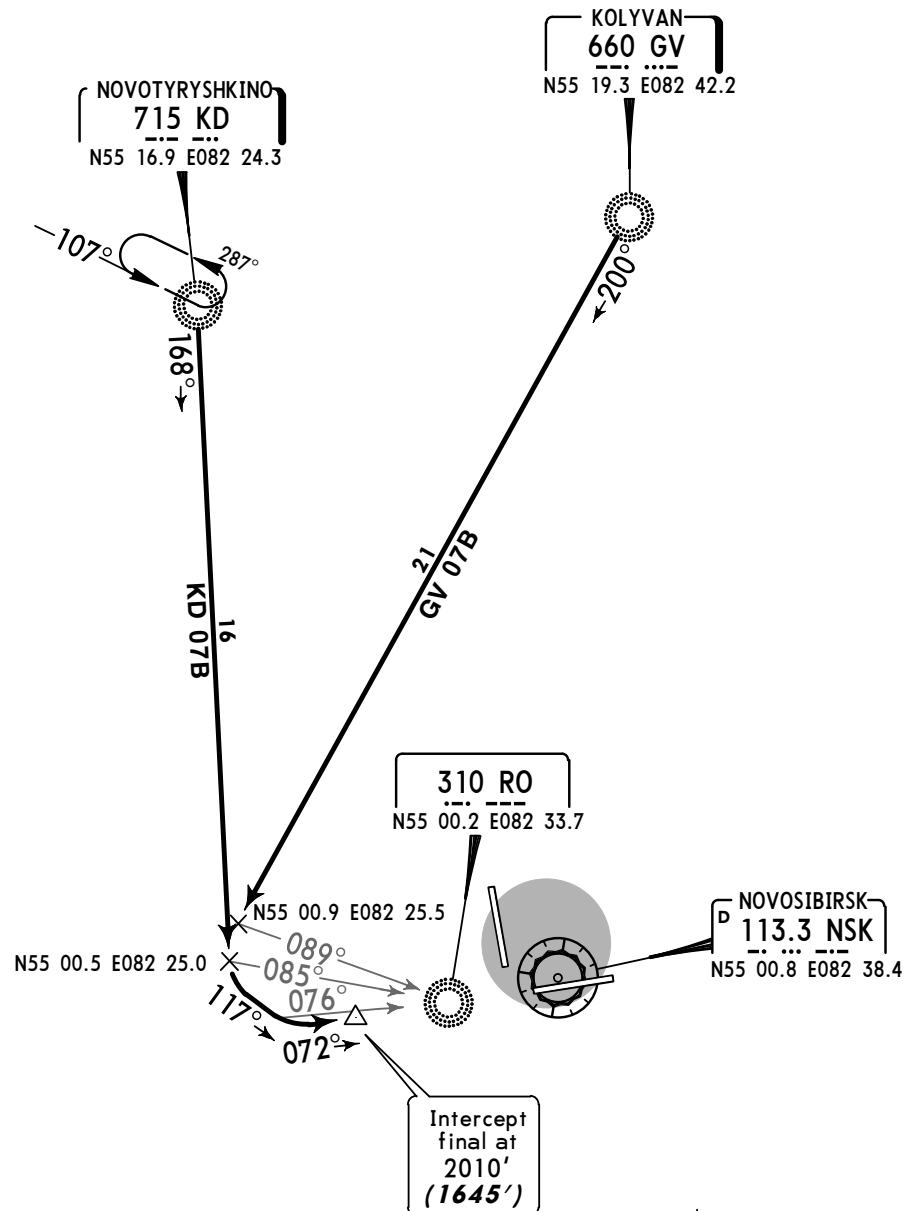
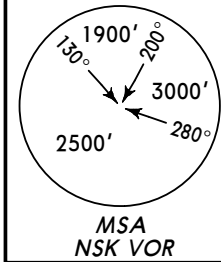
ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4275')

GV 07B, KD 07B
RWY 07 ARRIVALS

CAT B



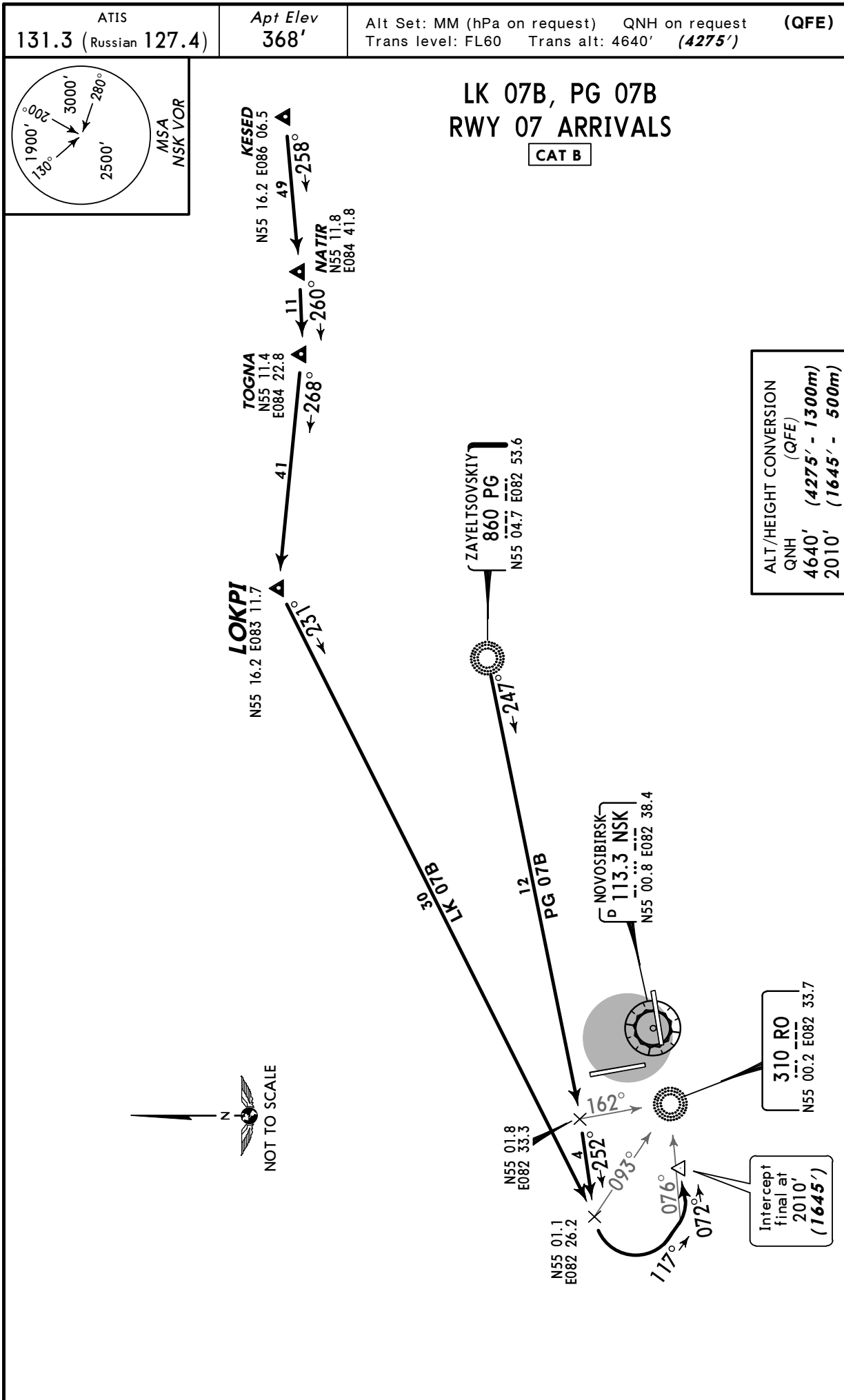
ALT/HEIGHT CONVERSION
QNH (QFE)
4640' (4275' - 1300m)
2010' (1645' - 500m)

UNNT/OVB
TOLMACHEVO

25 MAY 12 **10-2T** Eff 31 May

NOVOSIBIRSK, RUSSIA

STAR



UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 10-2U Eff 31 May

NOVOSIBIRSK, RUSSIA

STAR

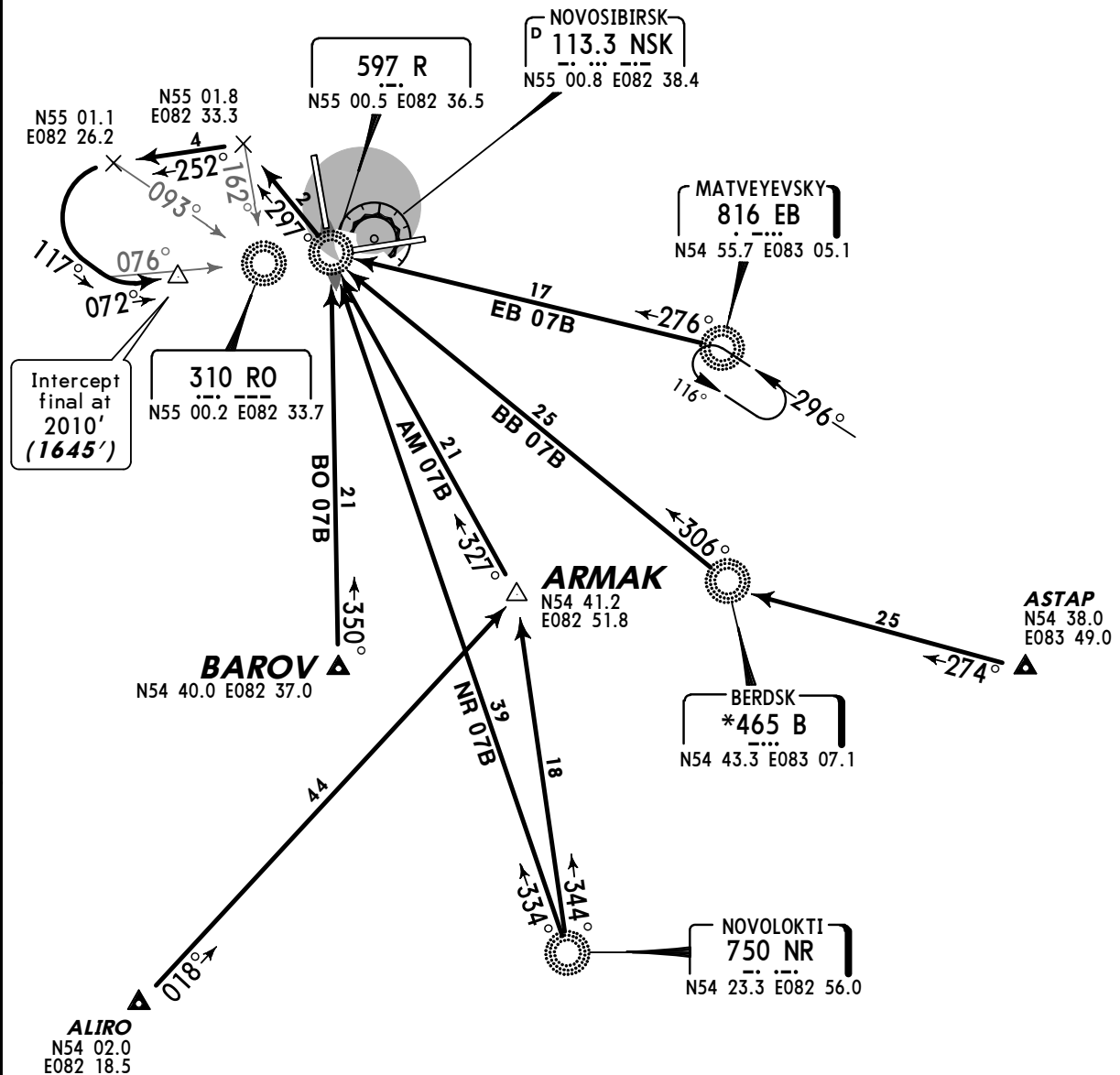
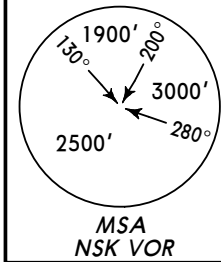
ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4275')

AM 07B, BB 07B, BO 07B, EB 07B, NR 07B
RWY 07 ARRIVALS

CAT B



ALT/HEIGHT CONVERSION
QNH (QFE)
4640' (4275' - 1300m)
2010' (1645' - 500m)

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 (10-2V) Eff 31 May

NOVOSIBIRSK, RUSSIA

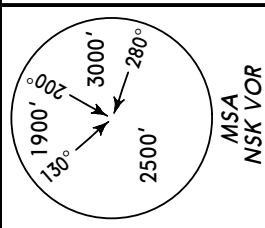
STAR

ATIS
131.3 (Russian 127.4)

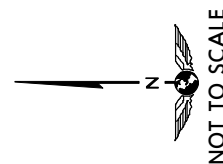
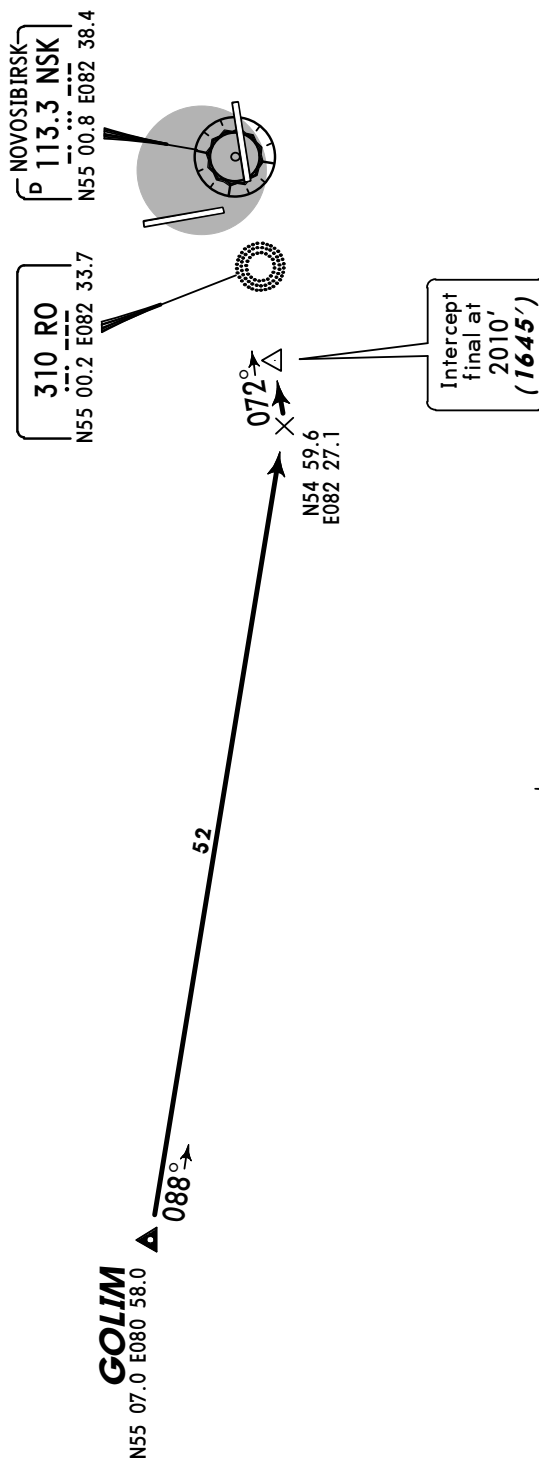
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL60 Trans alt: 4640' (4275')

(QFE)



GL 07B
RWY 07 ARRIVAL
CAT B



ALT/HEIGHT CONVERSION
QNH (QFE)
4640' (4275' - 1300m)
2010' (1645' - 500m)

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 (10-2W) Eff 31 May

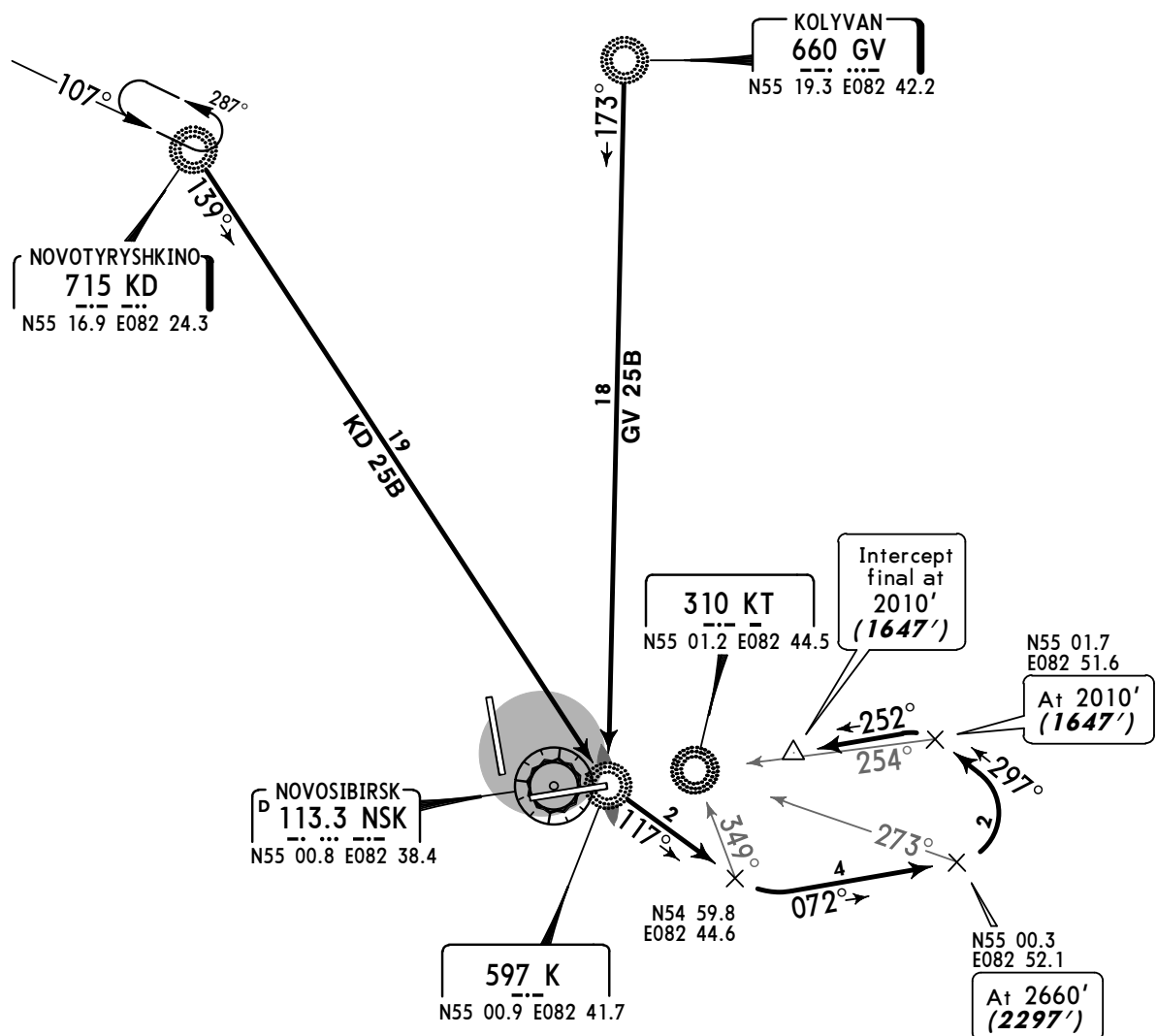
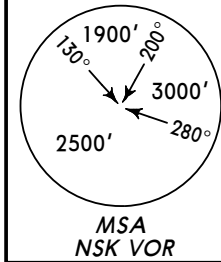
NOVOSIBIRSK, RUSSIA

STAR

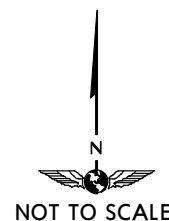
ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL60 Trans alt: 4640' (4277')	(QFE)
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GV 25B, KD 25B
RWY 25 ARRIVALS
CAT B

Do not overfly central part
of city below 4300' (3937').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4277' - 1300m)
4300'	(3937' - 1200m)
2660'	(2297' - 700m)
2010'	(1647' - 500m)



UNNT/OVB
TOLMACHEVO

25 MAY 12

10-2X

Eff 31 May

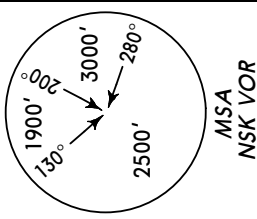
NOVOSIBIRSK, RUSSIA

STAR

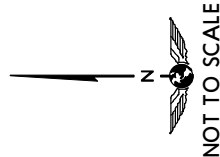
ATIS
131.3 (Russian 127.4)

Apt Elev
368'

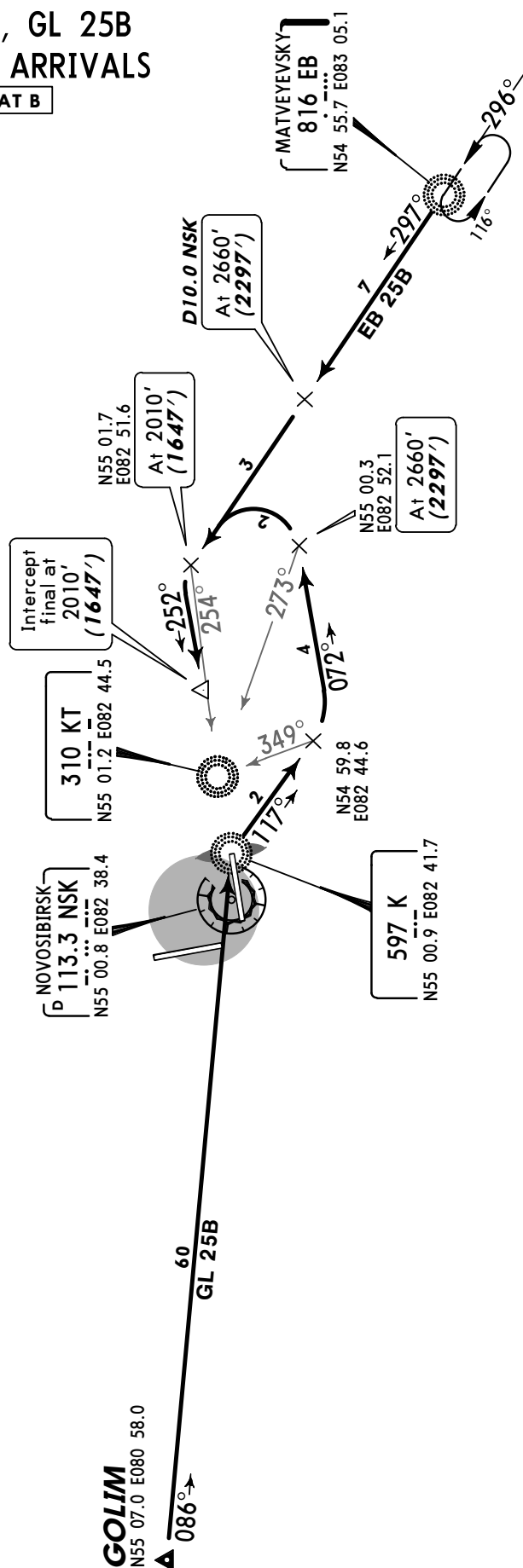
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (**4277'**)



EB 25B, GL 25B
RWY 25 ARRIVALS

CAT B

Do not overfly central part of city below 4300' (**3937'**).



ALT/HEIGHT CONVERSION
(QFE)

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 (10-2X1) Eff 31 May

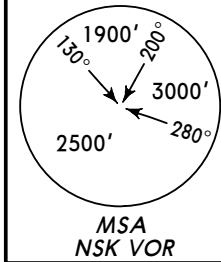
NOVOSIBIRSK, RUSSIA

STAR

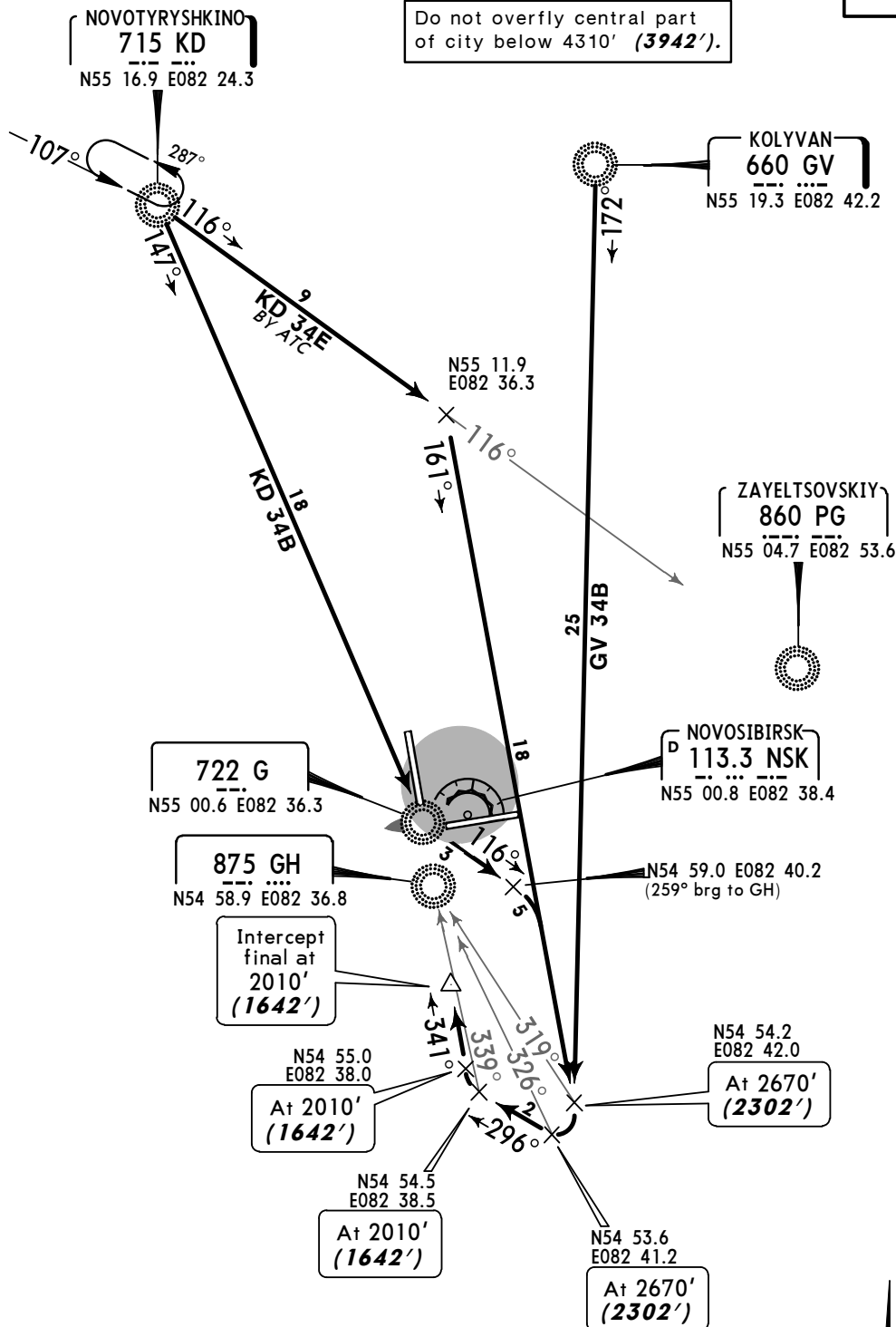
ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL60 Trans alt: 4640' (4272')	(QFE)
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GV 34B, KD 34B, KD 34E
RWY 34 ARRIVALS

CAT B



Do not overfly central part
of city below 4310' (3942').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4272' - 1300m)
4310'	(3942' - 1200m)
2670'	(2302' - 700m)
2010'	(1642' - 500m)



**UNNT/OVB
TOLMACHEVO**

JEPPESEN
25 MAY 12 (10-2X2) Ef

NOVOSIBIRSK, RUSSIA

STAR

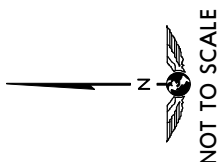
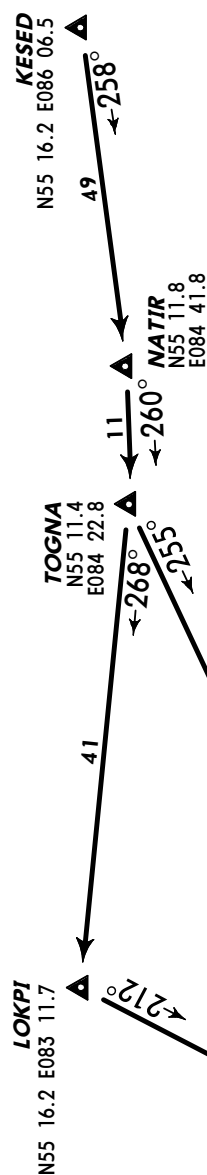
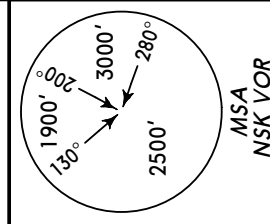
ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL60 Trans alt: 4640' (**4272'**)

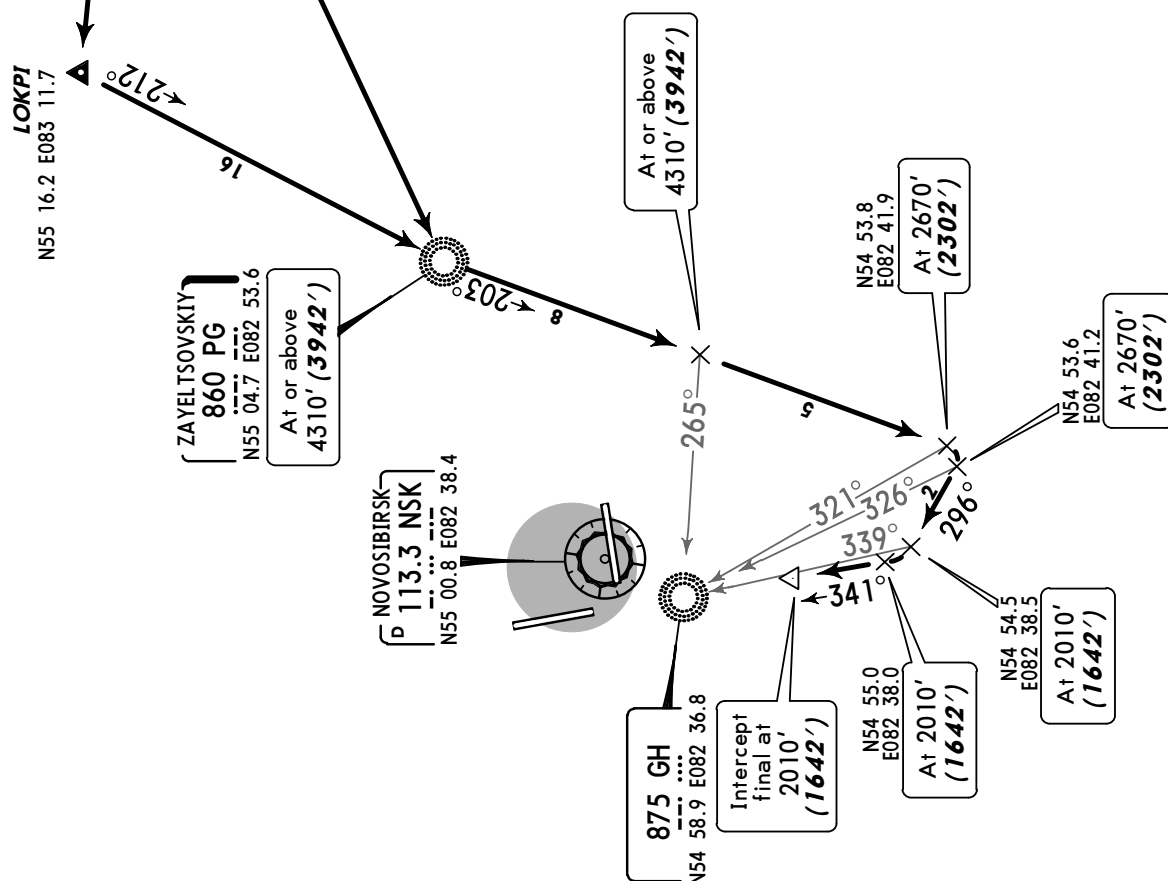
(QFE)

PG 34B
RWY 34 ARRIVAL



Do not overfly central part of city below 4310' (**3942'**).

ALT/HEIGHT CONVERSION	QNH	(QFE)
	4640'	(4272' - 1300m)
	4310'	(3942' - 1200m)
	22670'	(2302' - 700m)
	2010'	(1642' - 500m)



UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 10-2X3 Eff 31 May

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

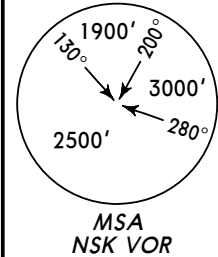
Alt Set: MM (hPa on request) QNH on request
Trans level: FL60 Trans alt: 4640' (4272')

(QFE)

AL 34B, BB 34B, BO 34B, EB 34B, NR 34B, OP 34B
RWY 34 ARRIVALS

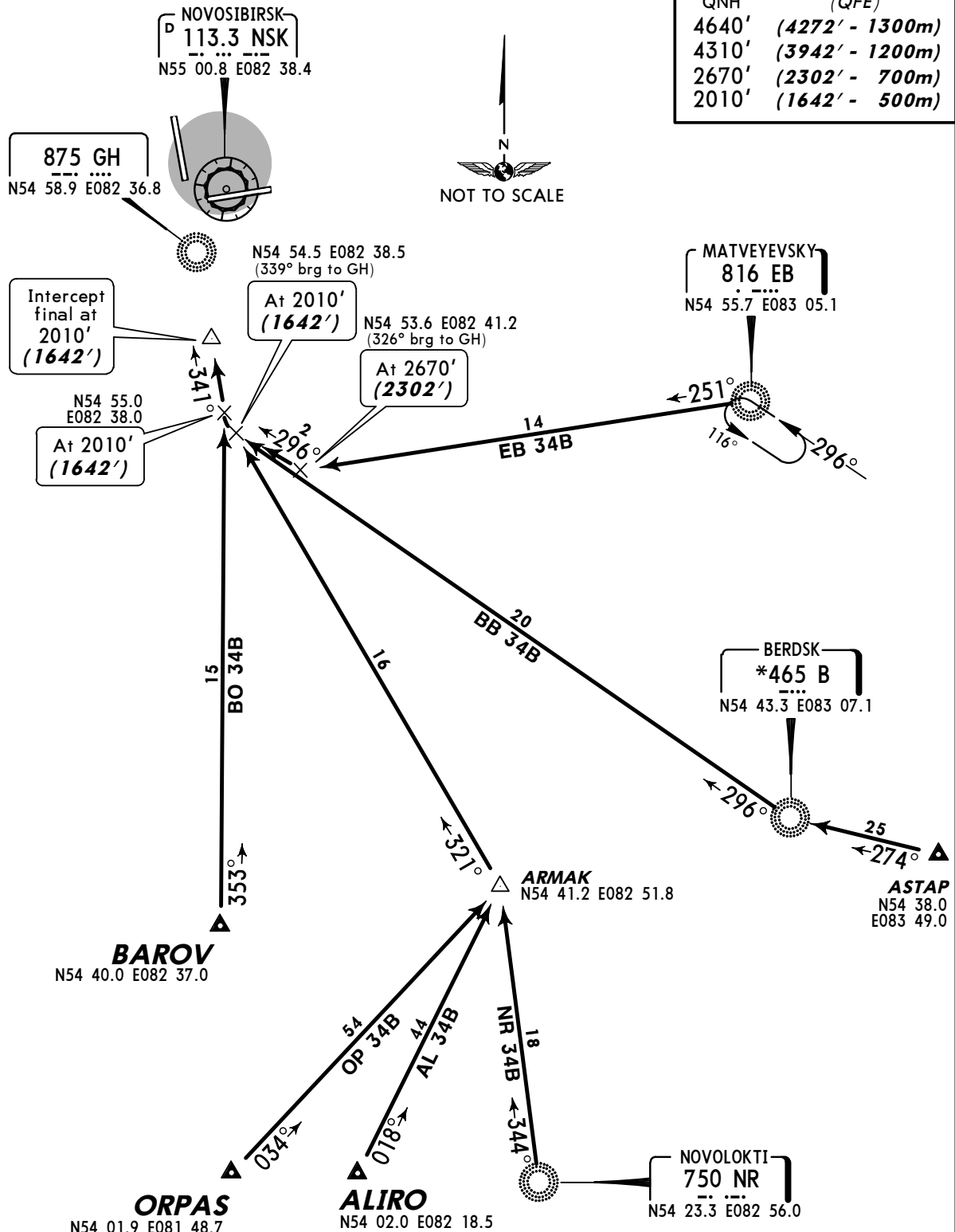
CAT B

Do not overfly central part
of city below 4310' (3942').



ALT/HEIGHT CONVERSION

QNH	(QFE)
4640'	(4272' - 1300m)
4310'	(3942' - 1200m)
2670'	(2302' - 700m)
2010'	(1642' - 500m)



UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 (10-2X4) Eff 31 May

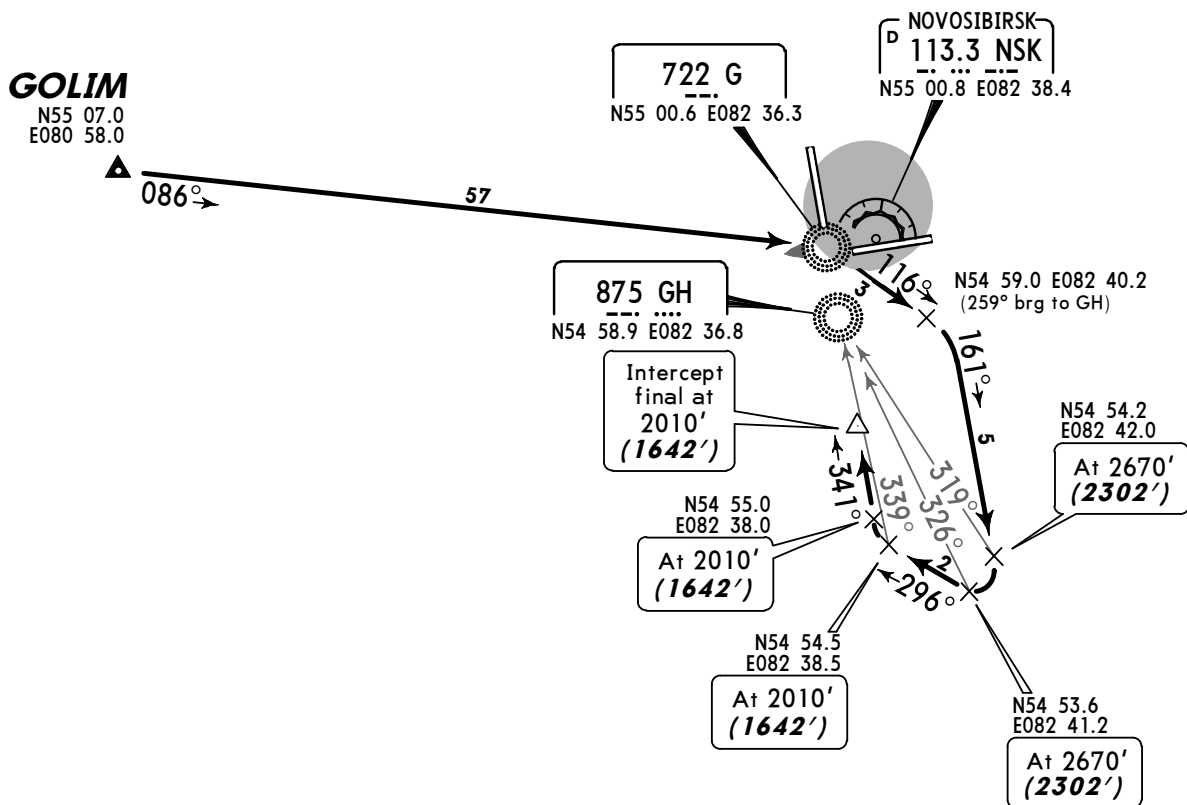
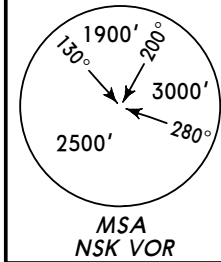
NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL60 Trans alt: 4640' (4272')	(QFE)
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GL 34B
RWY 34 ARRIVAL
CAT B

Do not overfly central part
of city below 4310' (**3942'**).



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4272' - 1300m)
4310'	(3942' - 1200m)
2670'	(2302' - 700m)
2010'	(1642' - 500m)

UNNT/OVB
TOLMACHEVO

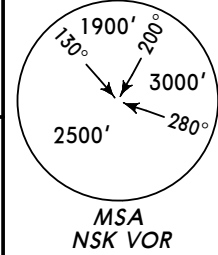
JEPPESEN
25 MAY 12 10-3 Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

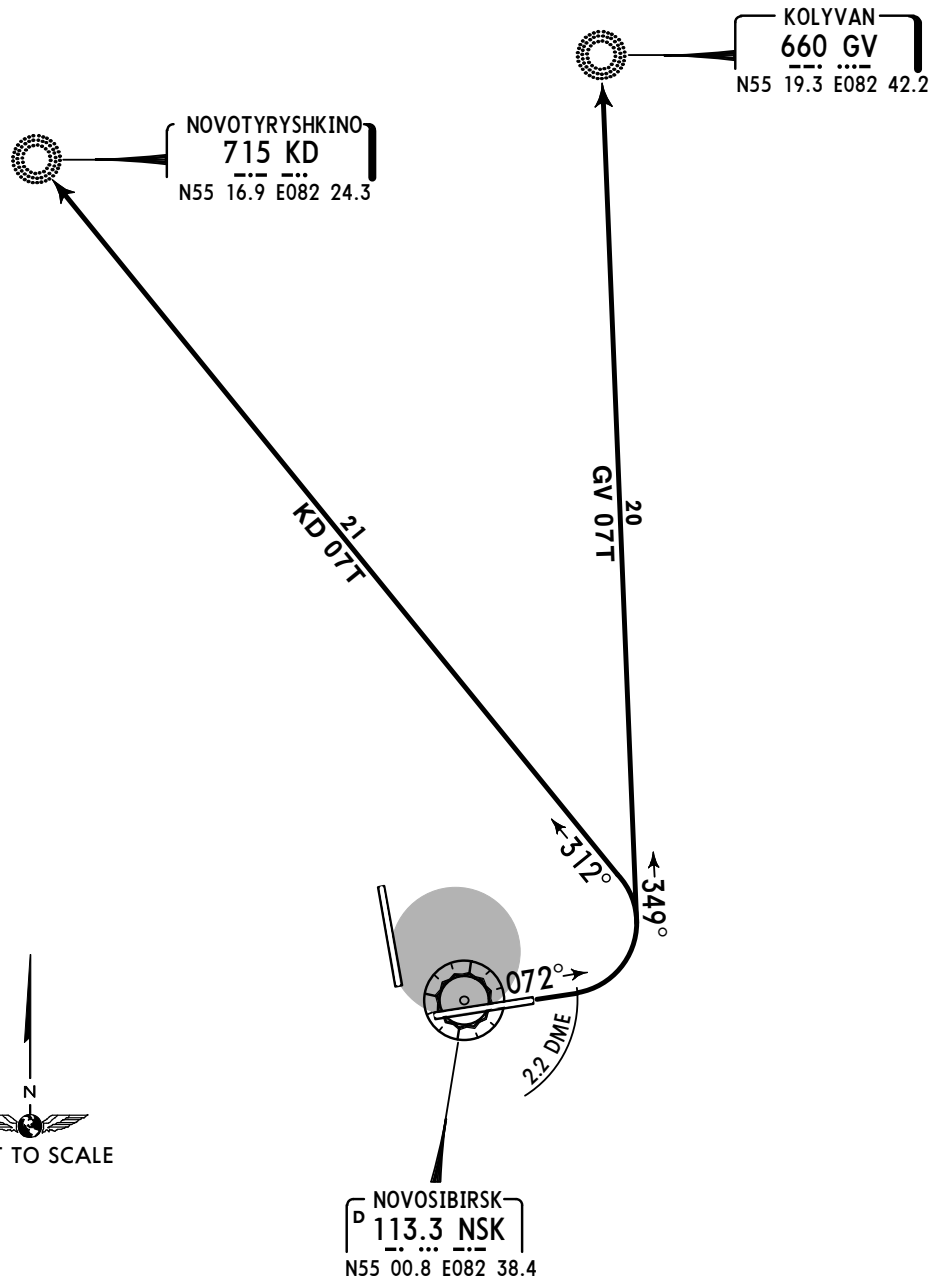
Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4275')
Take-off shall be carried out with noise abatement
procedures according to Flight Operation Manual.



GV 07T, KD 07T
RWY 07 DEPARTURES

Do not overfly central part
of city below 4310' (3945').



ALT/HEIGHT CONVERSION
QNH (QFE)
4310' (3945' - 1200m)
4640' (4275' - 1300m)

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 **10-3A** Eff 31 May

NOVOSIBIRSK, RUSSIA

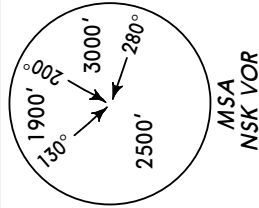
SID

Apt Elev
368'

QNH on request (QFE)

Trans level: FL60 Trans alt: 4640' (**4275'**)

Take-off shall be carried out with noise abatement procedures according to Flight Operation Manual.



Do not overfly central part
of city below 4310' (**3945'**).

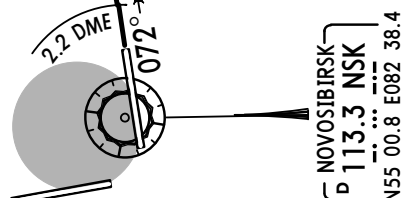
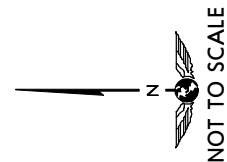
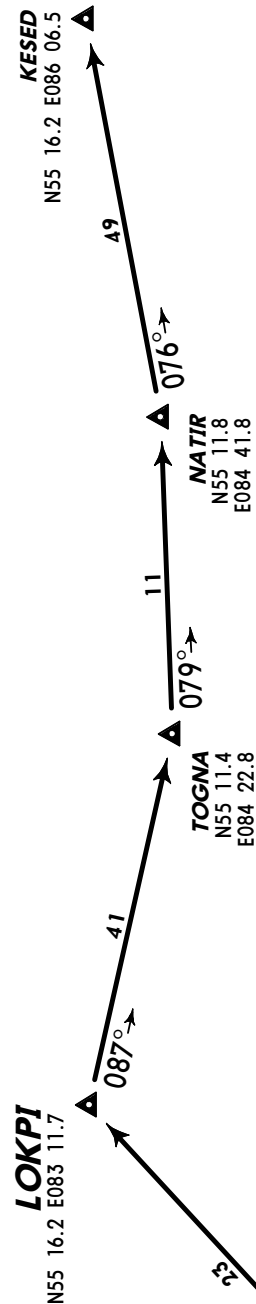
ALT/HEIGHT CONVERSION

QNH (QFE)

4310' (**3945'** - 1200m)

4640' (**4275'** - 1300m)

LK 07T
RWY 07 DEPARTURE



UNNT/OVB
TOLMACHEVO

25 MAY 12

10-3B

Eff 31 May

NOVOSIBIRSK, RUSSIA

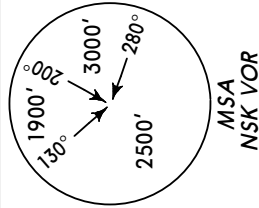
SID

Apt Elev
368'

QNH on request (QFE)

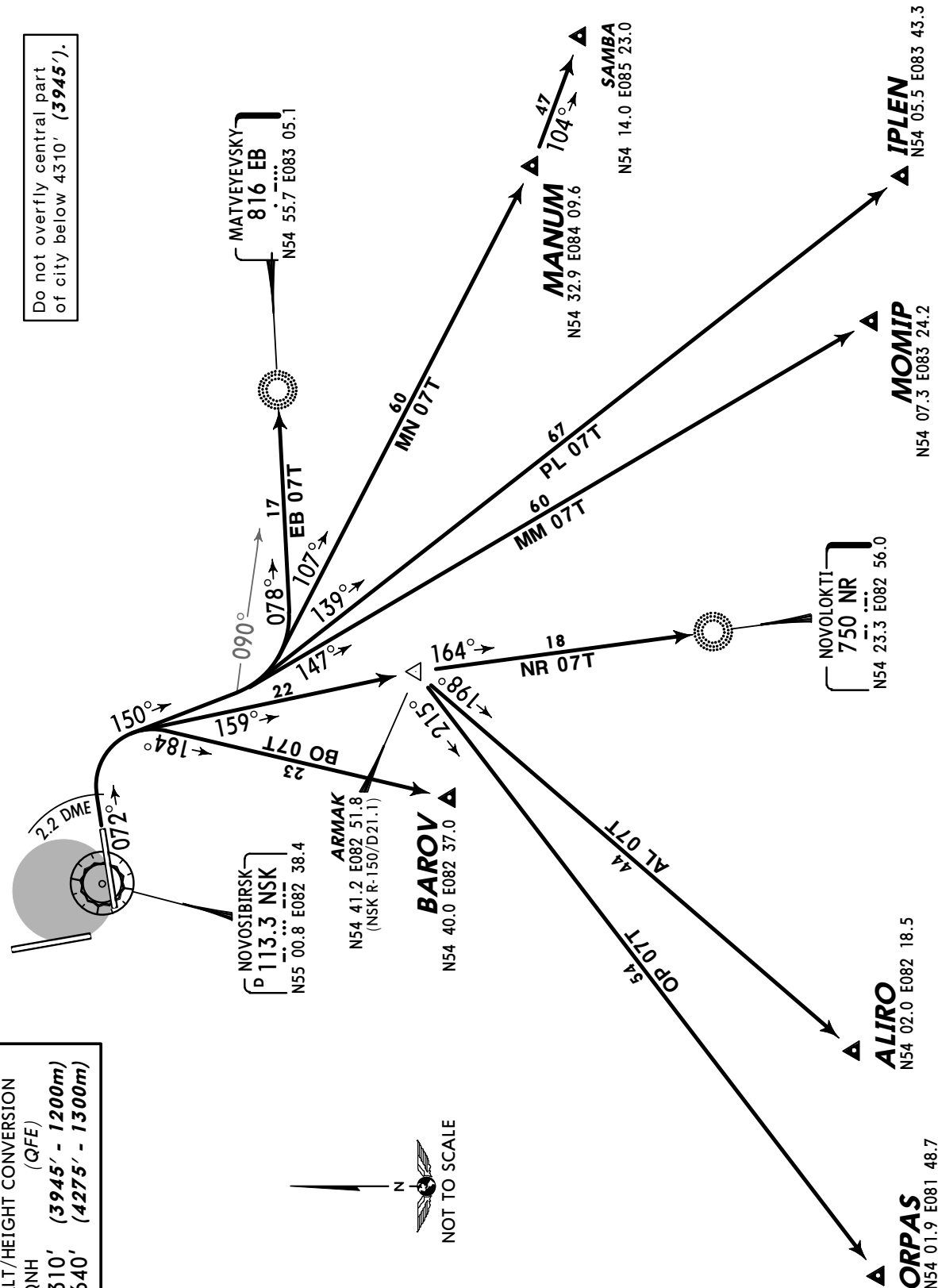
Trans level: FL60 Trans alt: 4640' (4275')

Take-off shall be carried out with noise abatement procedures according to Flight Operation Manual.



AL 07T, BO 07T, EB 07T, MM 07T, MN 07T
NR 07T, OP 07T, PL 07T
RWY 07 DEPARTURES

Do not overfly central part
of city below 4310' (3945').



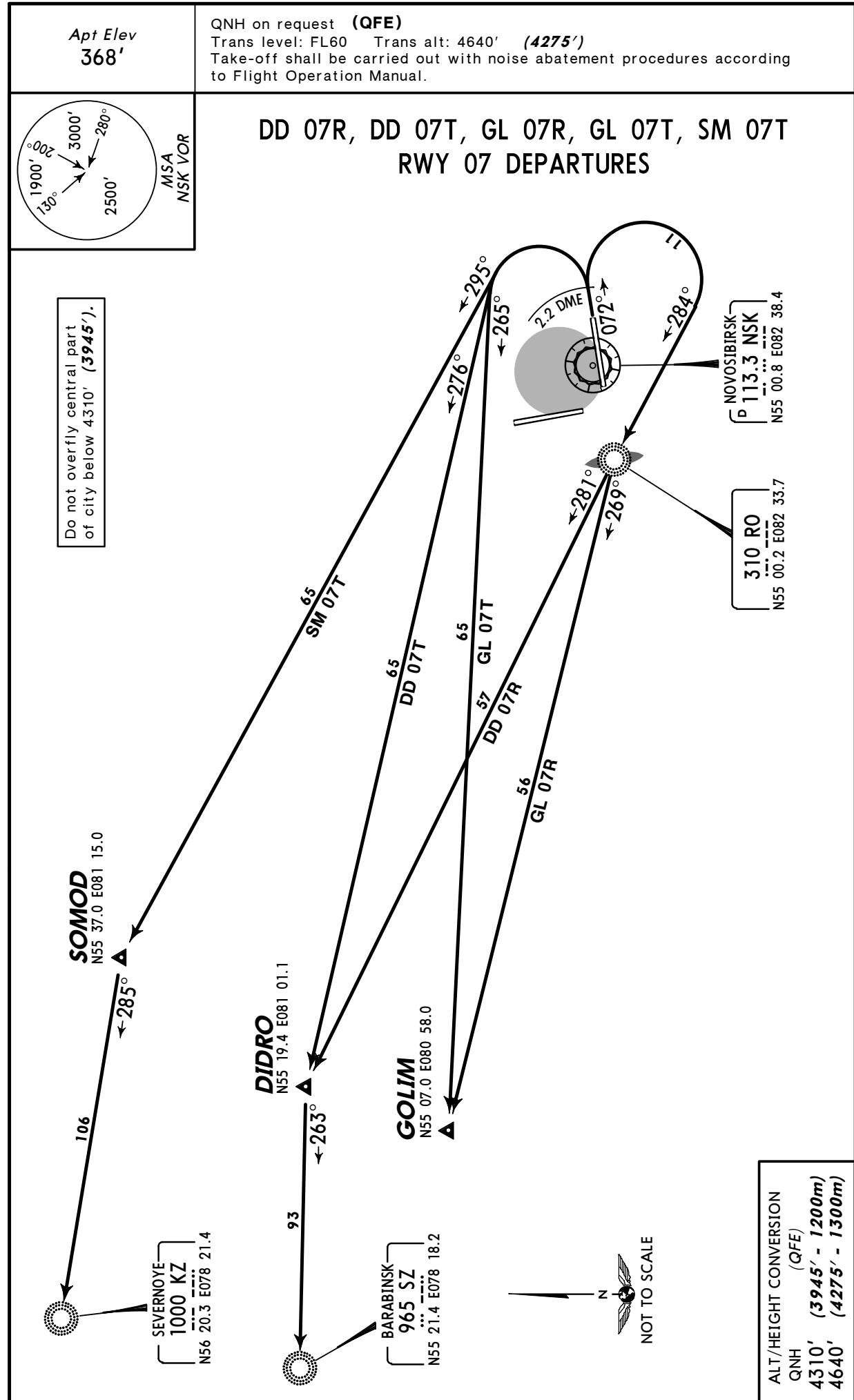
ALT/HEIGHT CONVERSION
QNH (QFE)
4310' (3945' - 1200m)
4640' (4275' - 1300m)

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 10-3C Eff 31 May

NOVOSIBIRSK, RUSSIA

SID



UNNT/OVB
TOLMACHEVO

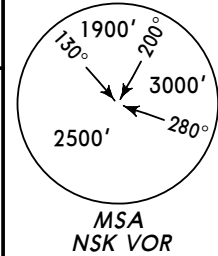
JEPPESEN
25 MAY 12 (10-3D) Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

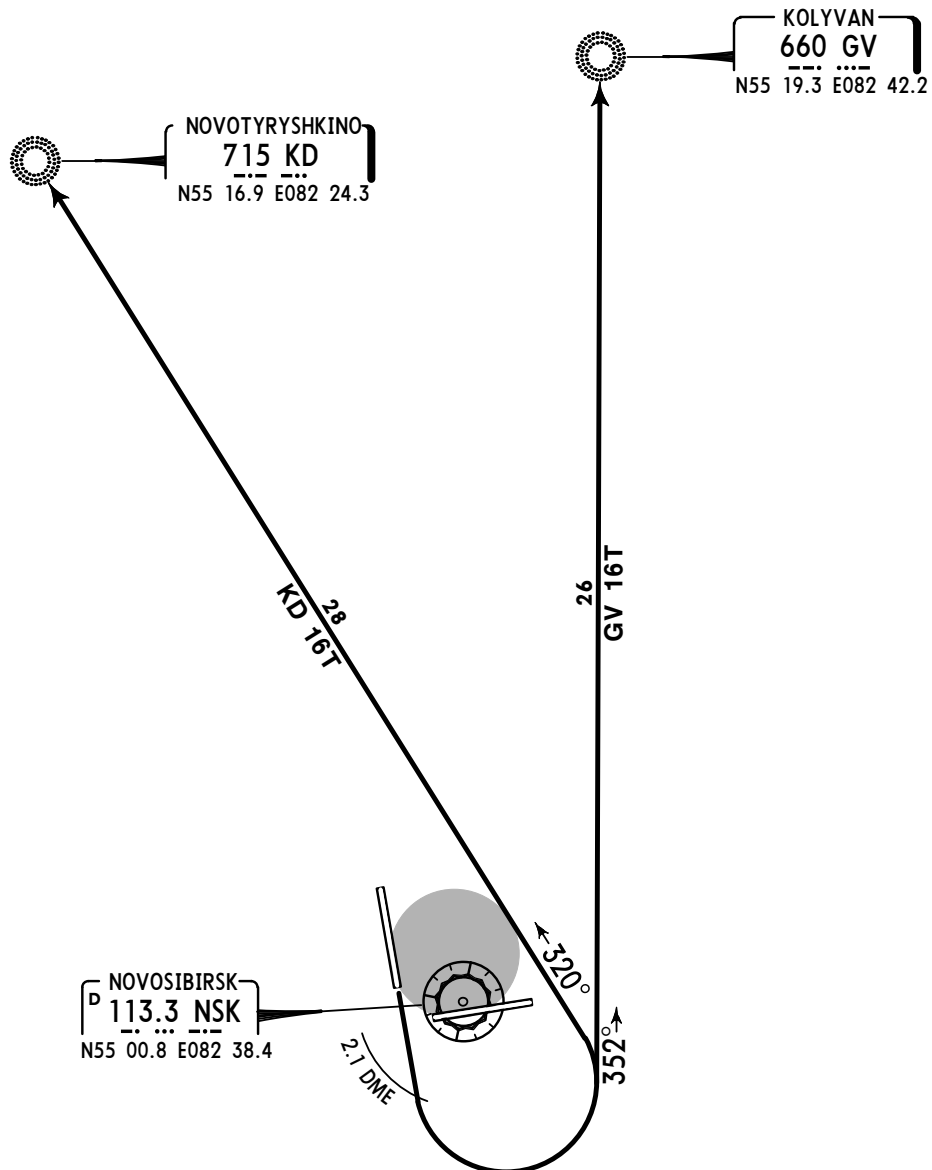
Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4278')



GV 16T, KD 16T
RWY 16 DEPARTURES

Do not overfly central part
of city below 4300' (3938').



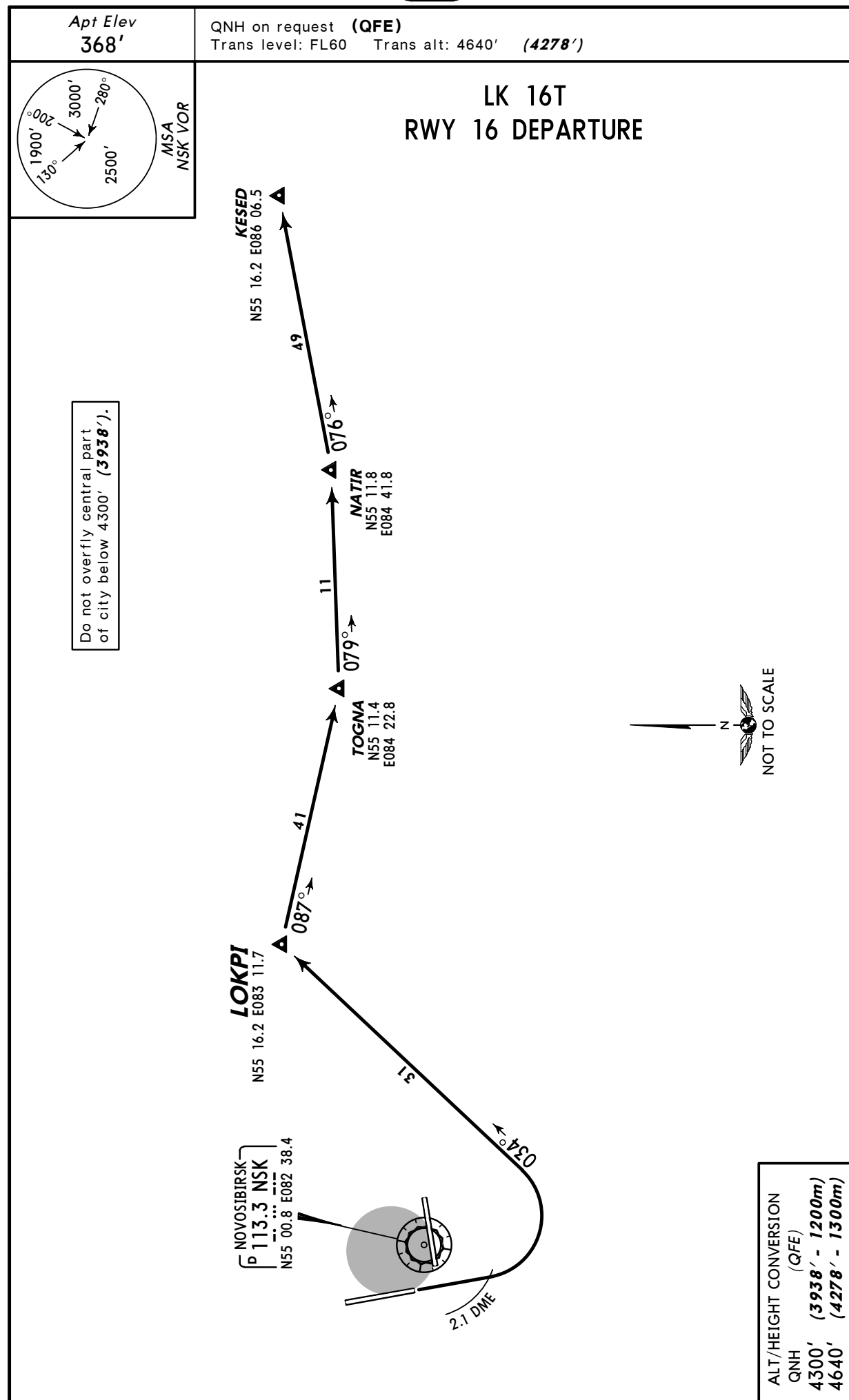
ALT/HEIGHT CONVERSION	
QNH	(QFE)
4300'	(3938' - 1200m)
4640'	(4278' - 1300m)

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 MAY 12 (10-3E) Eff 31 May

NOVOSIBIRSK, RUSSIA

SID



UNNT/OVB
TOLMACHEVO

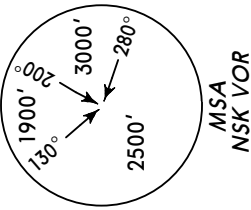
JEPPESSEN
25 MAY 12 10-3F Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

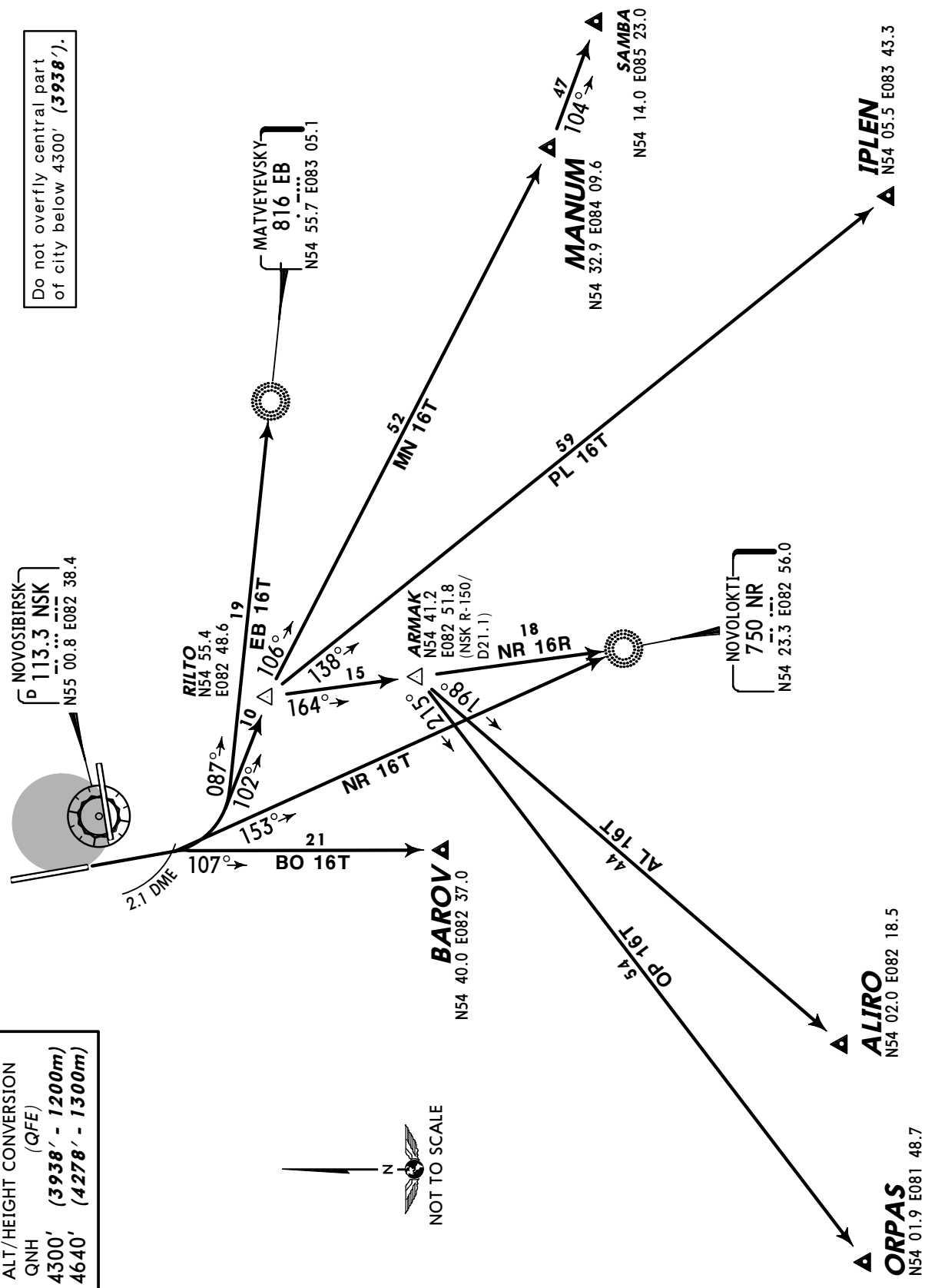
Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4278')



AL 16T, BO 16T, EB 16T, MN 16T
NR 16R, NR 16T, OP 16T, PL 16T
RWY 16 DEPARTURES

Do not overfly central part
of city below 4300' (3938').



UNNT/OVB
TOLMACHEVO

25 MAY 12

10-3G

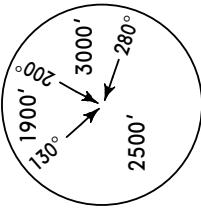
Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4278')



MSA
NSK VOR

GL 16R ①, GL 16T, OG 16T, SM 16T
RWY 16 DEPARTURES

Do not overfly central part
of city below 4300' (3938').

NOVOSIBIRSK
① 113.3 NSK
N55 00.8 E082 38.4

① By ATC.

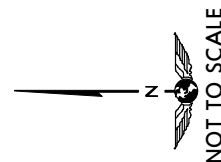
SEVERNOYE
1000 KZ
N56 20.3 E078 21.4

SOMOD
N55 37.0 E081 15.0

OGAMA
N55 28.1 E081 08.1

GOLIM
N55 07.0 E080 58.0

GEBSA
N55 52.4 E077 55.3



ALT/HEIGHT CONVERSION
QNH (QFE)
4300' (3938' - 1200m)
4640' (4278' - 1300m)

UNNT/OVB
TOLMACHEVO

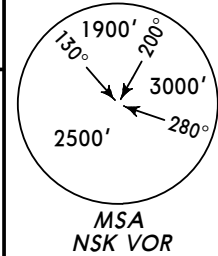
JEPPESEN
25 MAY 12 (10-3H) Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4277')



GV 25T, KD 25T, KG 25T
RWY 25 DEPARTURES

Do not overfly central part
of city below 4300' (3937').

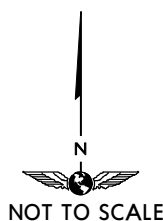
KENGA
N56 19.2 E080 42.1

KEGAV
N55 47.6 E081 35.1

NOVOTYRYSHKINO
715 KD
N55 16.9 E082 24.3

KOLYVAN
660 GV
N55 19.3 E082 42.2

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4



ALT/HEIGHT CONVERSION
QNH (QFE)
4300' (3937' - 1200m)
4640' (4277' - 1300m)

UNNT/OVB
TOLMACHEVO

25 MAY 12

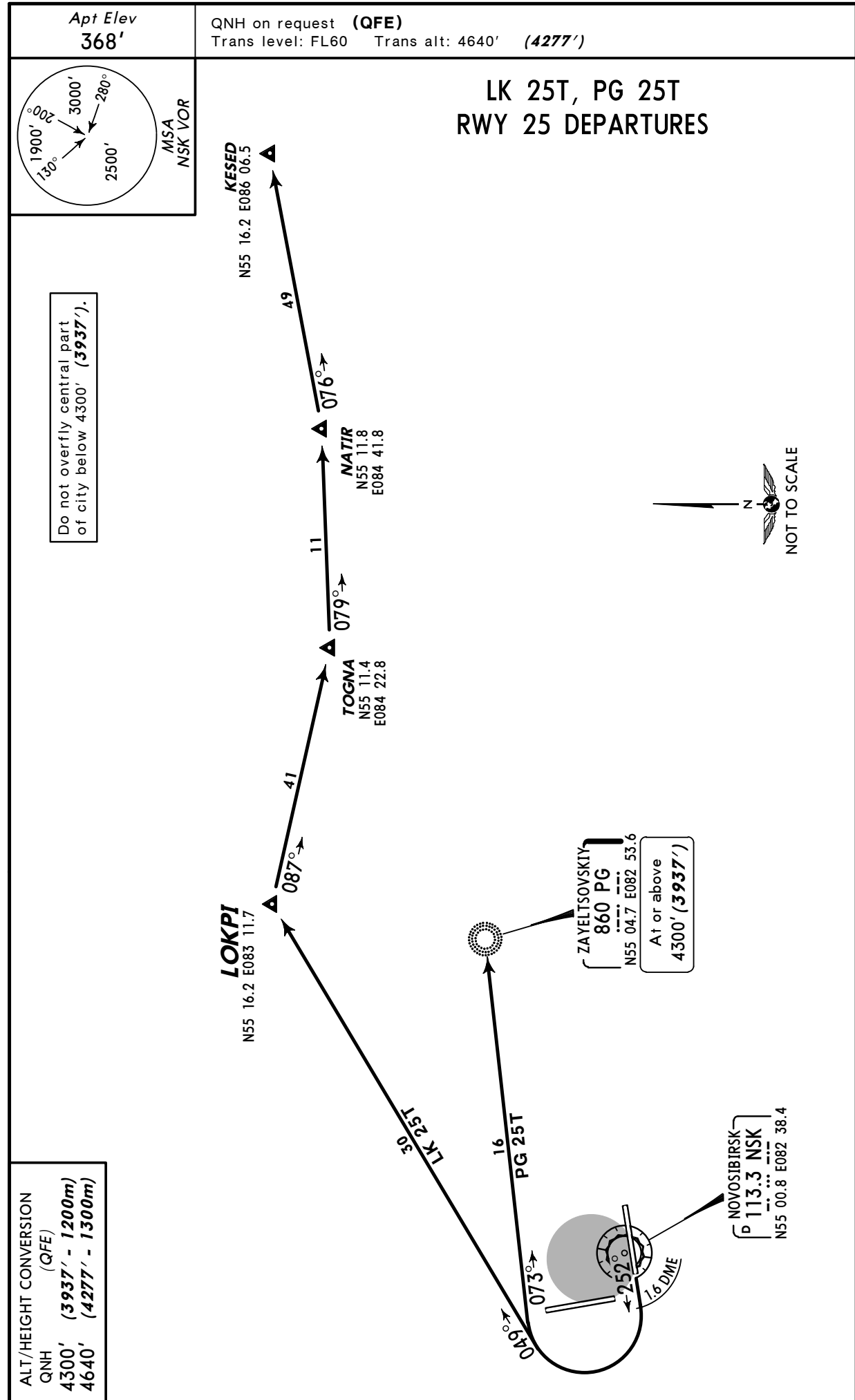
JEPPESEN

10-3J

Eff 31 May

NOVOSIBIRSK, RUSSIA

SID



UNNT/OVB
TOLMACHEVO

JEPPesen
25 MAY 12 10-3K Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

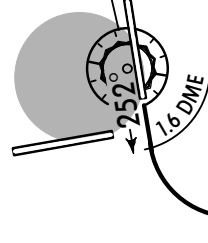
Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4277')

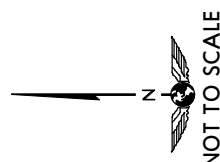
AL 25T, BB 25T, BO 25T, EB 25T
MM 25T, MN 25T, NR 25T, OP 25T
RWY 25 DEPARTURES

Do not overfly central part
of city below 4300' (3937').

NOVOSIBIRSK
D 113.3 NSK
N55 00.8 E082 38.4



ALT/HEIGHT CONVERSION
QNH (QFE)
4300' (3937' - 1200m)
4640' (4277' - 1300m)



MATVEYEVSKY
816 EB
N54 55.7 E083 05.1

ARMAK
N54 41.2 E082 51.8
(NSK R-150/D21.1)

EB 25T
22
105°

BO 25T
22
157°

BB 25T
28
119°

NR 25T
42
140°

MN 25T
65
142°

MM 25T
39
142°

AL 25T
44
142°

OP 25T
54
142°

BAROV
N54 40.0 E082 37.0

MANUM
N54 32.9 E084 09.6

ASTAP
N54 38.0 E083 49.0

BERDSK
*465 B
N54 43.3 E083 07.1

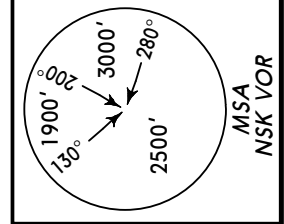
MOMIP
N54 07.3 E083 24.2

ALIRO
N54 02.0 E082 18.5

ORPAS
N54 01.9 E081 48.7

NOVOLOKTI
750 NR
N54 23.3 E082 56.0

SAMBA
N54 14.0 E085 23.0



UNNT/OVB
TOLMACHEVO

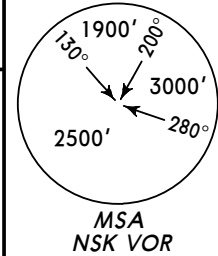
JEPPESEN
25 MAY 12 (10-3L) Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

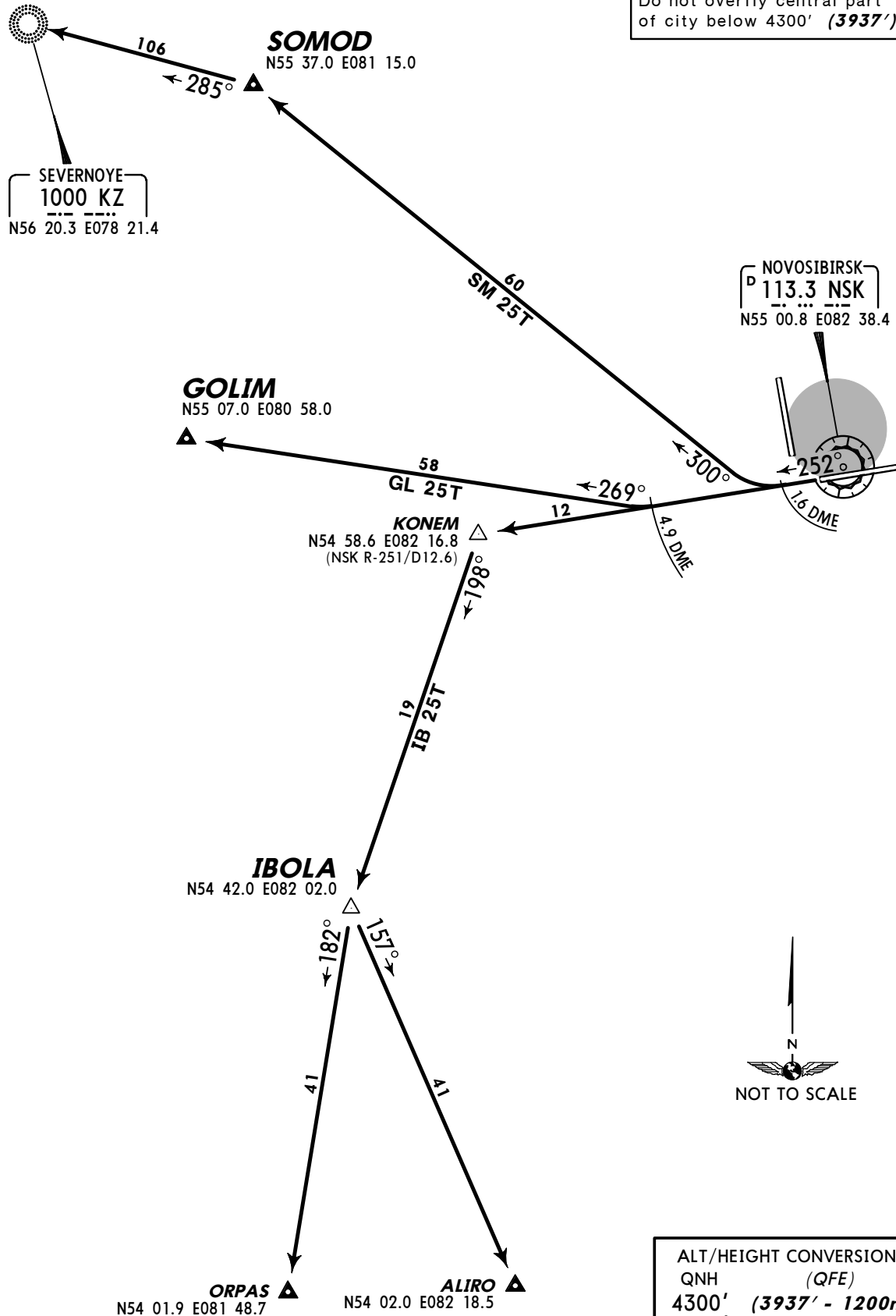
Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4277')



GL 25T, IB 25T, SM 25T
RWY 25 DEPARTURES

Do not overfly central part
of city below 4300' (3937').



ALT/HEIGHT CONVERSION
QNH (QFE)
4300' (3937' - 1200m)
4640' (4277' - 1300m)

UNNT/OVB
TOLMACHEVO

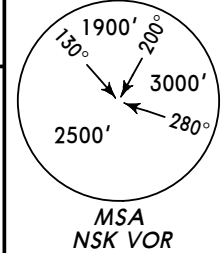
JEPPESEN
25 MAY 12 (10-3M) Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4272')



GV 34T, KD 34T, OR 34T
RWY 34 DEPARTURES

Do not overfly central part
of city below 4310' (3942').

BAKCHAR
605 BA
N57 00.4 E082 03.6

NOVOTYRSHKINO
715 KD
N55 16.9 E082 24.3

KOLYVAN
660 GV
N55 19.3 E082 42.2

ORTIK
N56 03.5 E082 26.4

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4



ALT/HEIGHT CONVERSION
QNH (QFE)
4310' (3942' - 1200m)
4640' (4272' - 1300m)

UNNT/OVB
TOLMACHEVO

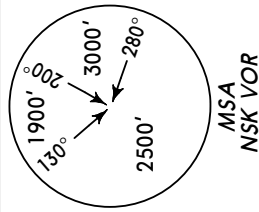
25 MAY 12 **JEPPESEN** **10-3N** **Eff 31 May**

NOVOSIBIRSK, RUSSIA

SID

Apt Elev
368'

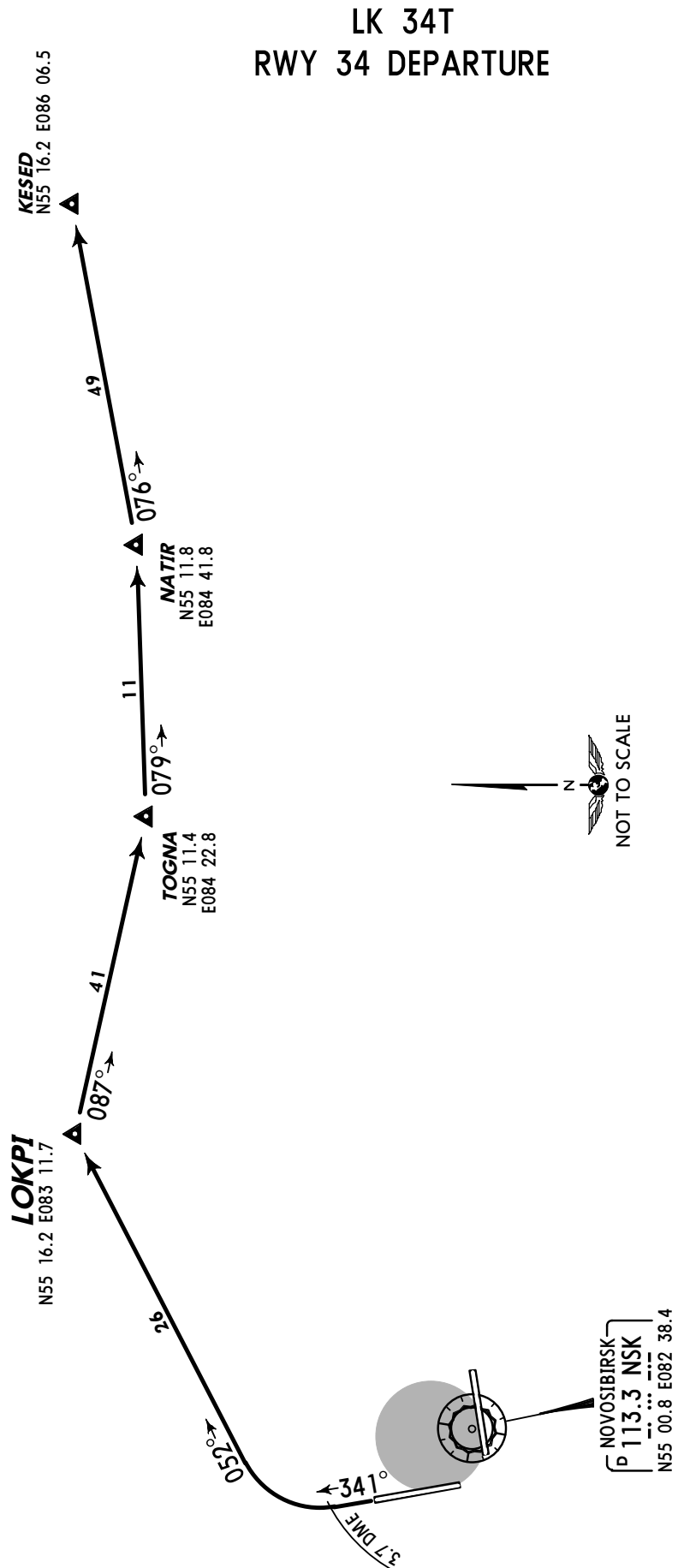
QNH on request **(QFE)**
Trans level: FL60 Trans alt: 4640' **(4272')**



Do not overfly central part
of city below 4310' **(3942')**.

ALT/HEIGHT CONVERSION

QNH **(QFE)**
4310' **(3942' - 1200m)**
4640' **(4272' - 1300m)**



UNNT/OVB
TOLMACHEVO

25 MAY 12

10-3P

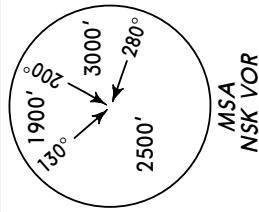
Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

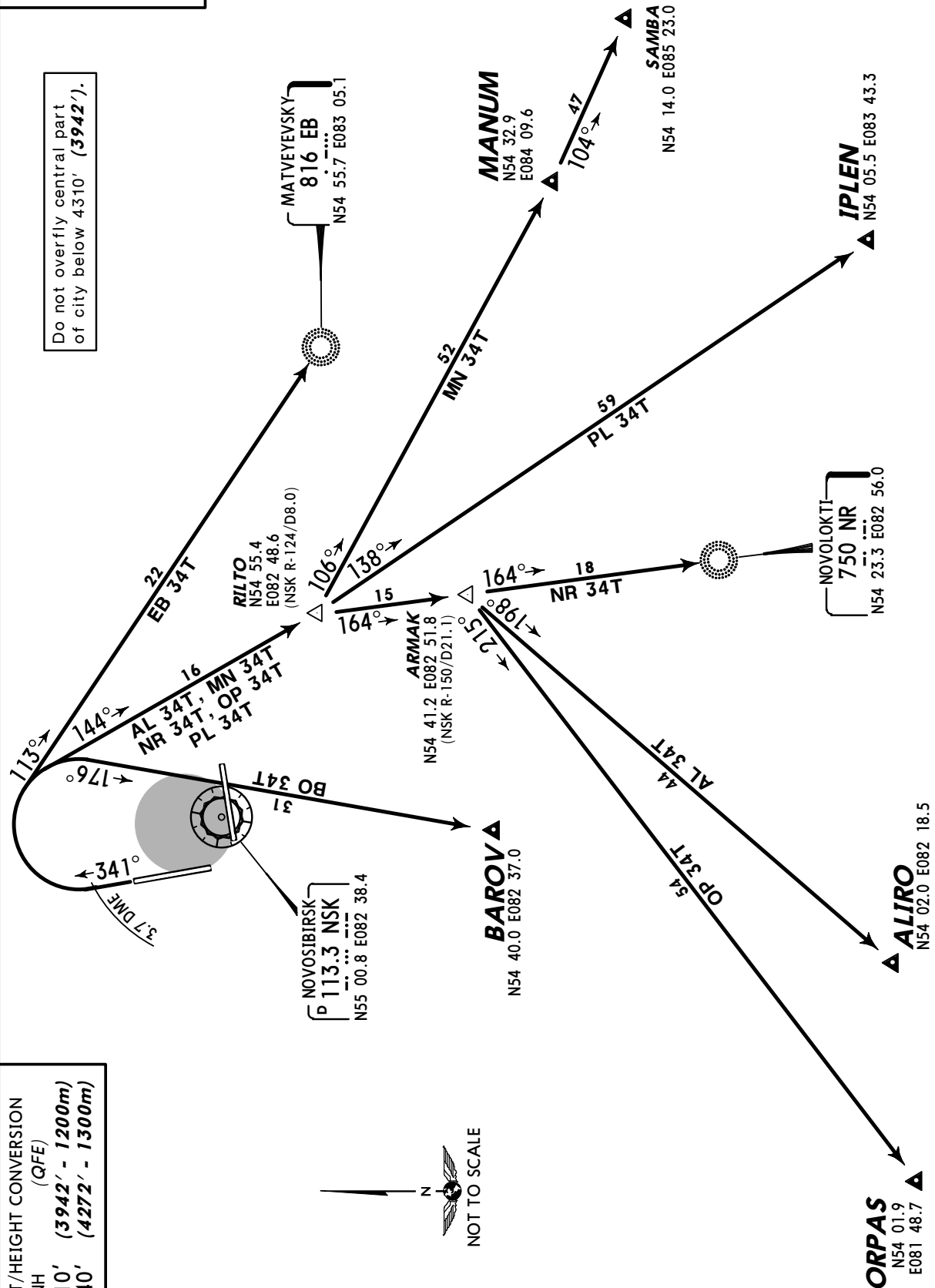
Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4272')

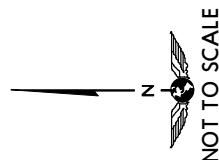


AL 34T, BO 34T, EB 34T, MN 34T
NR 34T, OP 34T, PL 34T
RWY 34 DEPARTURES

Do not overfly central part
of city below 4310' (3942').



ALT/HEIGHT CONVERSION
QNH (QFE)
4310' (3942' - 1200m)
4640' (4272' - 1300m)



UNNT/OVB
TOLMACHEVO

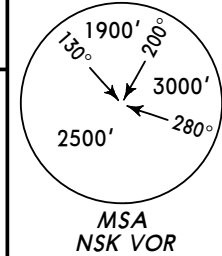
JEPPESEN
25 MAY 12 (10-3Q) Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

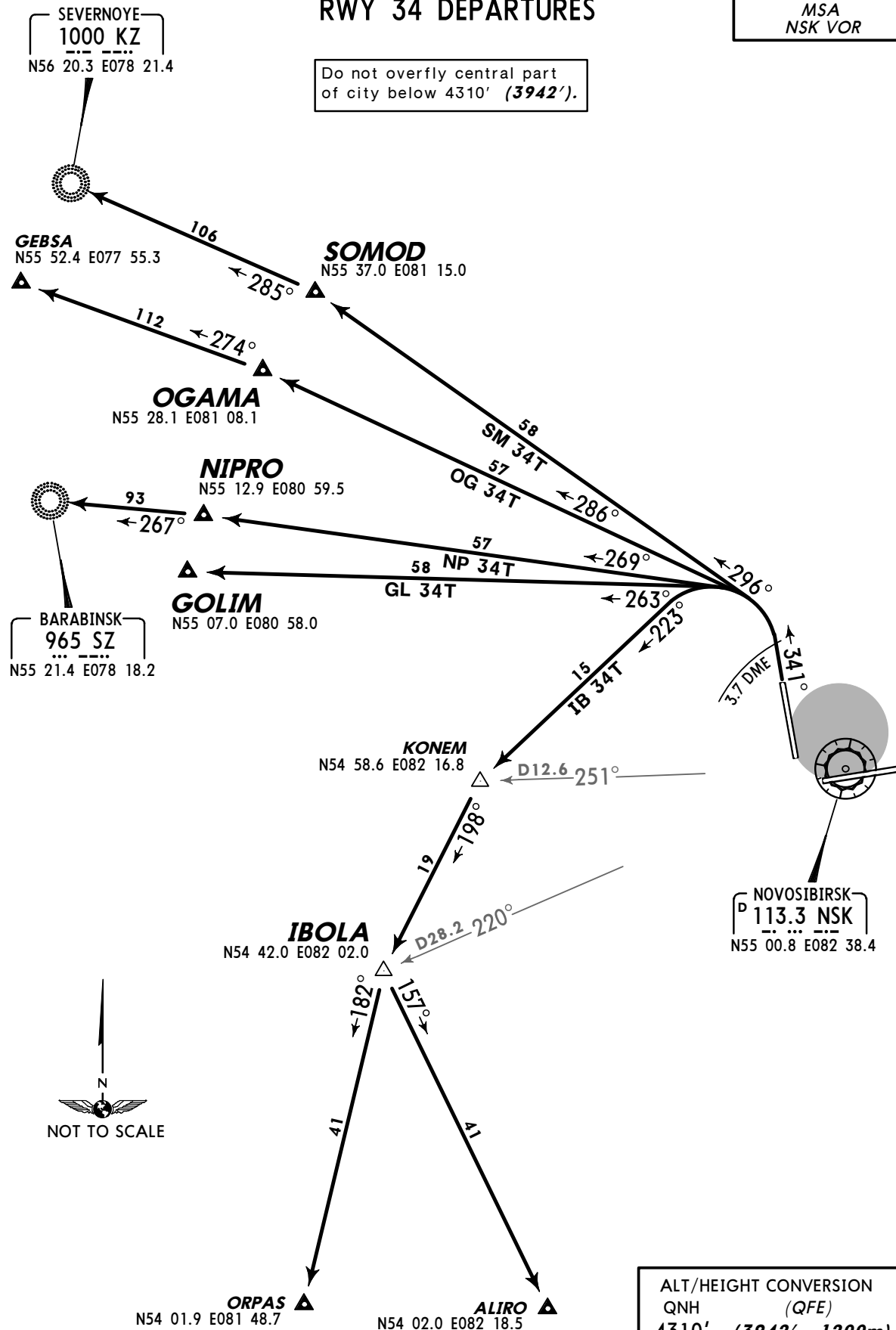
Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4272')



GL 34T, IB 34T, NP 34T
OG 34T, SM 34T
RWY 34 DEPARTURES

Do not overfly central part
of city below 4310' (3942').



UNNT/OVB
TOLMACHEVO

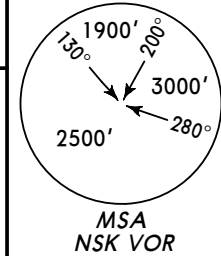
JEPPESEN
25 MAY 12 (10-3S) Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

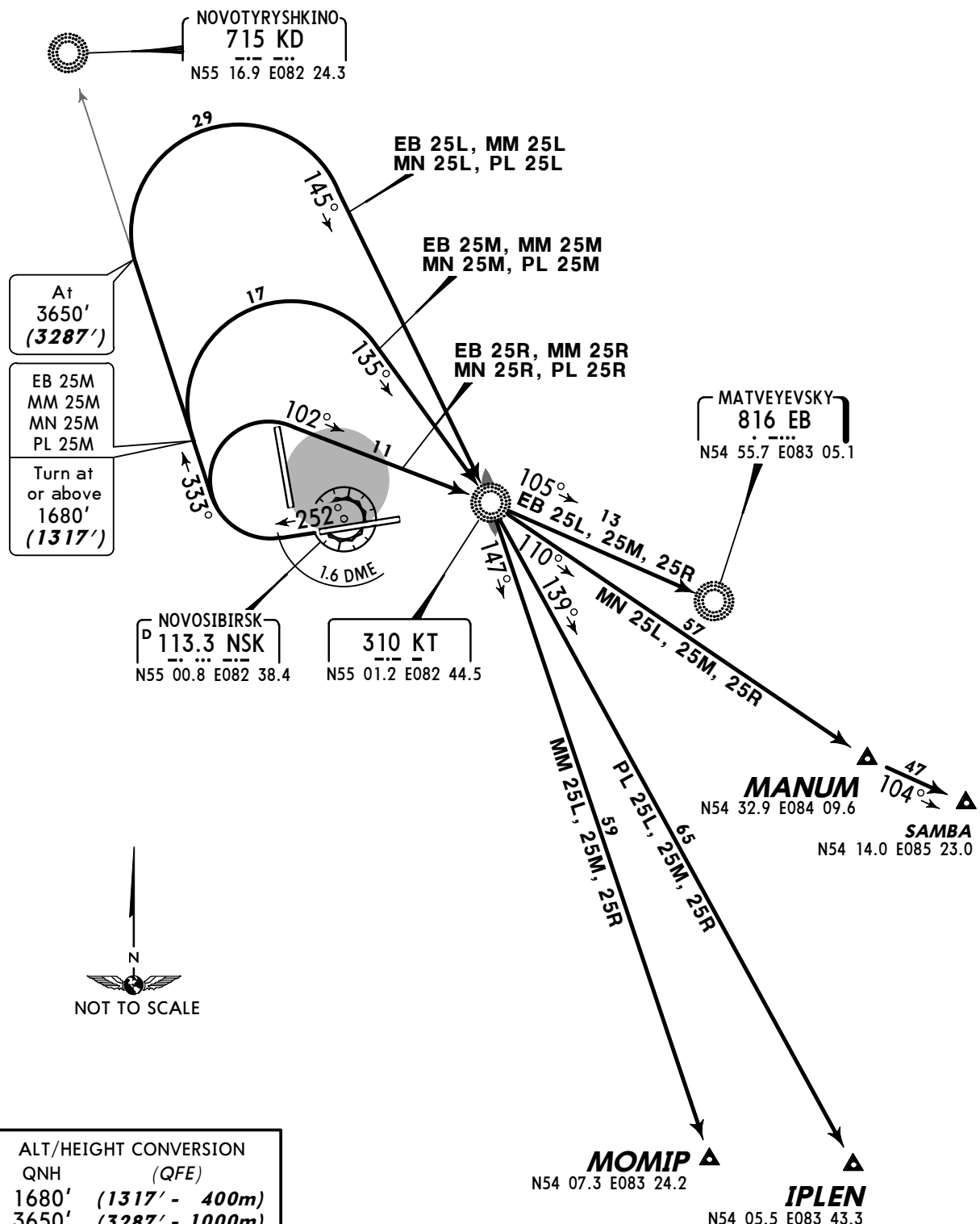
Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4277')



EB 25L, EB 25M, EB 25R
MM 25L, MM 25M, MM 25R
MN 25L, MN 25M, MN 25R
PL 25L, PL 25M, PL 25R
RWY 25 DEPARTURES
BY ATC

Do not overfly central part
of city below 4300' (3937').



UNNT/OVB
TOLMACHEVO

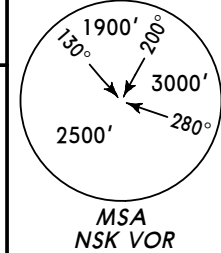
JEPPESEN
25 MAY 12 10-3T Eff 31 May

NOVOSIBIRSK, RUSSIA

SID

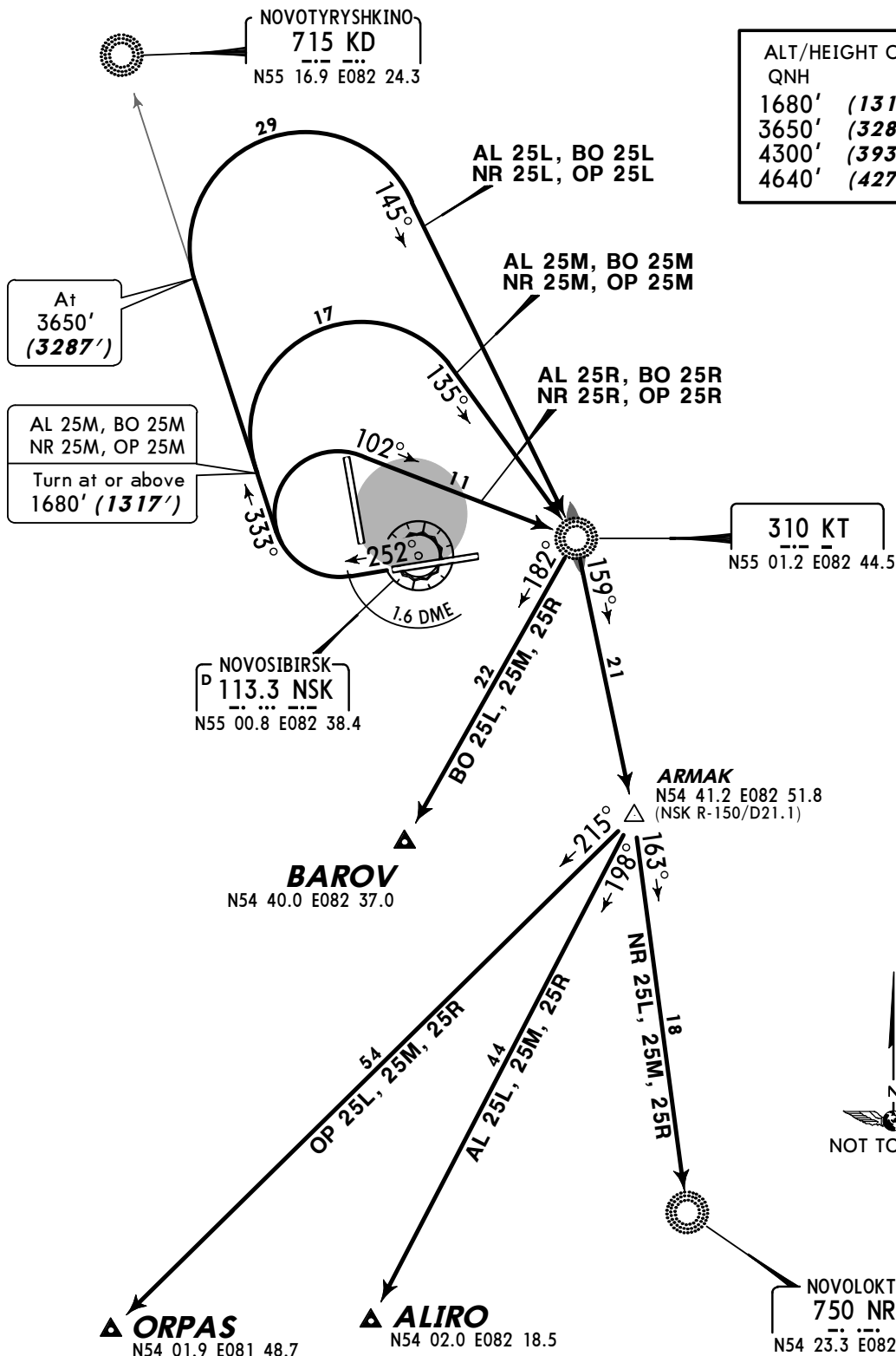
Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4277')



AL 25L, AL 25M, AL 25R
BO 25L, BO 25M, BO 25R
NR 25L, NR 25M, NR 25R
OP 25L, OP 25M, OP 25R
RWY 25 DEPARTURES
BY ATC

Do not overfly central part
of city below 4300' (3937').



UNNT/OVB
TOLMACHEVO

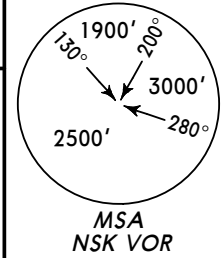
JEPPESEN
4 NOV 11 (10-3U) Eff 17 Nov

NOVOSIBIRSK, RUSSIA

SID

Apt Elev
368'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4277')

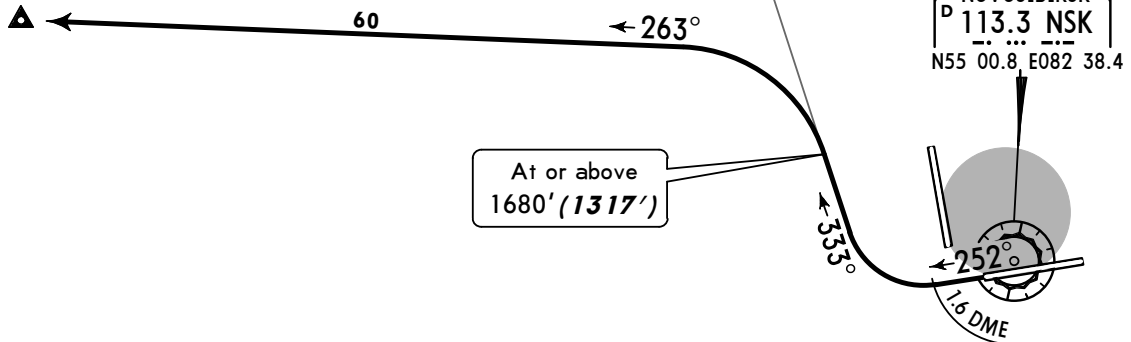


GL 25R
RWY 25 DEPARTURE
BY ATC

Do not overfly central part
of city below 4300' (3937').

NOVOTYRYSKINO
715 KD
N55 17.0 E082 24.0

GOLIM
N55 07.0 E080 58.0



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1680'	(1317' - 400m)
4300'	(3937' - 1200m)
4640'	(4277' - 1300m)

UNNT/OVB
TOLMACHEVOJEPPESEN
9 JUL 04 10-4NOVOSIBIRSK, RUSSIA
NOISE

NOISE ABATEMENT PROCEDURES

GENERAL

Noise abatement procedures shall be executed by crews of all aircraft.
Overflying the central part of the city at or below 4310' (3945' - 1200m)
is prohibited.

ARRIVALS

Runway 07 is noise preferential and shall be used for approach to the
greatest extent possible.

Restrictions

Restrictions for cross-wind and tail-wind components are as in accordance
with the Airplane Flight Manual for the specified aircraft type. It is allowed
to land on runway when friction coefficient is 0.3 or more.

Straight-in approach is allowed on landing heading 072° when transition level
has been reached before a distance of 16.2 NM or more.

DEPARTURES

The noise abatement procedures stated below shall not be executed at the
expense of reduction of flight safety or in case of engine failure during
take-off.

Restrictions

Restrictions on maximum cross-wind and tail-wind components are as in
accordance with the Airplane Flight Manual for the specified aircraft type.
It is allowed to take-off from dry and wet runway when friction coefficient
is 0.3 or more.

Runway 07 special take-off procedure

During take-off the initial turn shall be carried out at 1.1 NM from departure
threshold.

UNNT/OVB

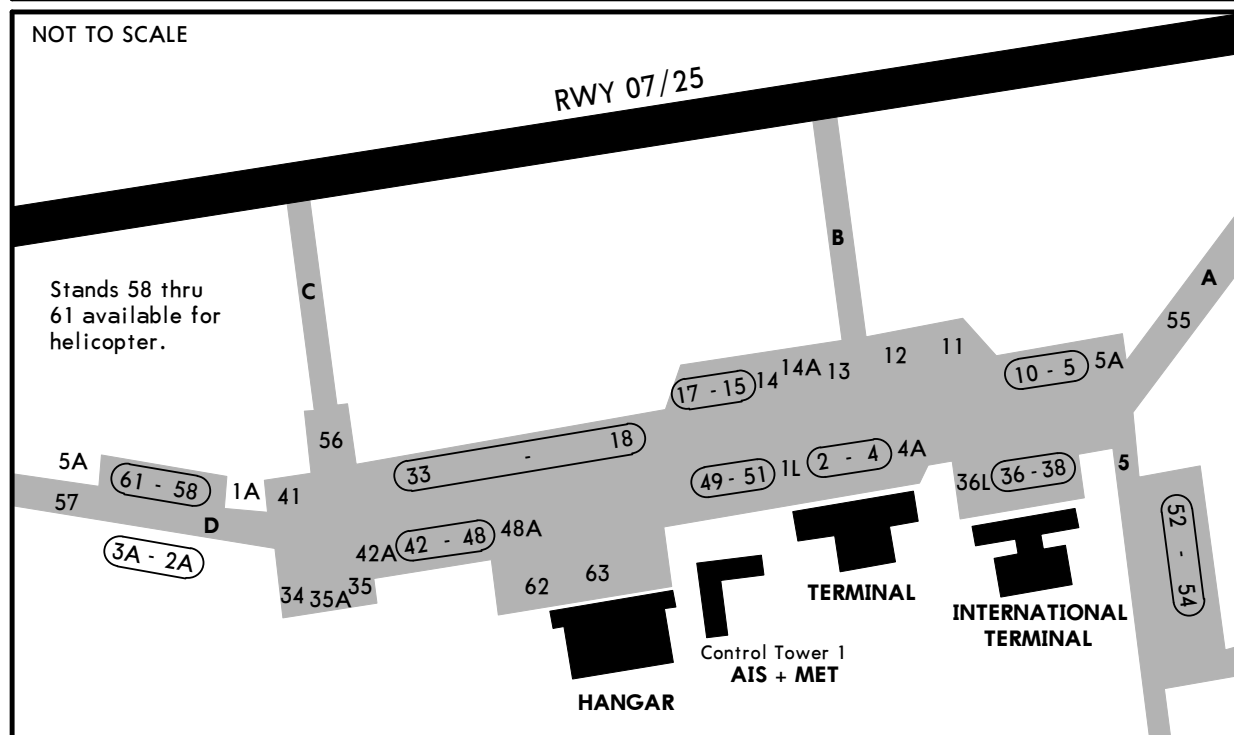
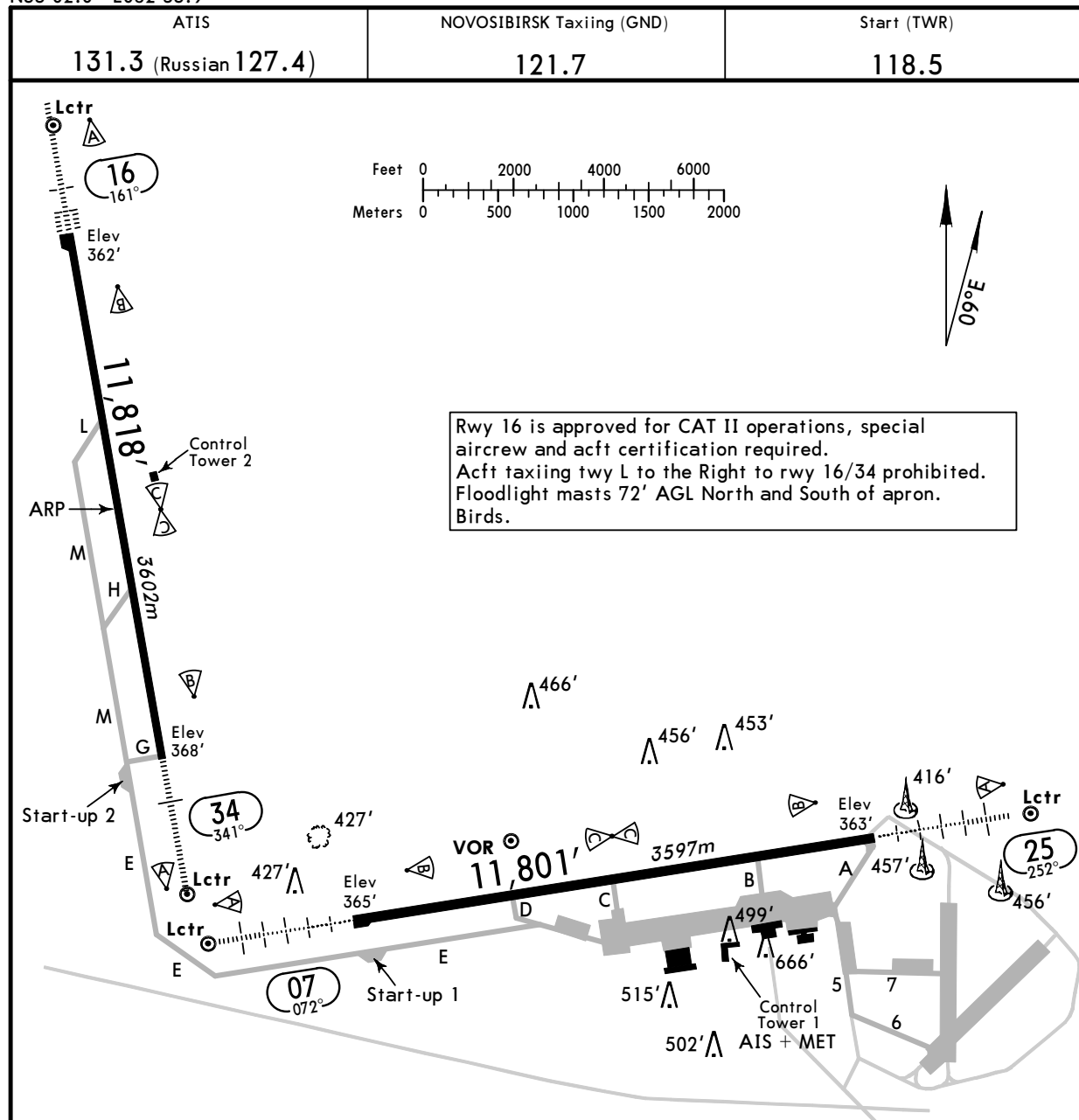
Apt Elev **368'**
N55 02.0 E082 35.9

JEPPESEN

27 JUL 12 (10-9)

NOVOSIBIRSK, RUSSIA

TOLMACHEVO



UNNT/OVB


JEPPESEN
 27 JUL 12 **(10-9A)**
NOVOSIBIRSK, RUSSIA
TOLMACHEVO

ADDITIONAL RUNWAY INFORMATION

RWY		Threshold	USABLE LENGTHS LANDING BEYOND		TAKE-OFF	WIDTH
			Glide Slope			
07	HIRL (60m) HIALS PAPI-L (angle 3.0°) RVR		10,768' 3282m	1		197' 60m
25			11,194' 3412m			

1 TAKE-OFF RUN AVAILABLERWY 07:

From rwy head 11,801' (3597m)
 twy D int 7864' (2397m)
 twy C int 5902' (1799m)

RWY 25:

From rwy head 11,801' (3597m)
 twy B int 9012' (2747m)
 twy C int 5899' (1798m)

16	HIRL (60m) CL (15m) HIALS-II TDZ PAPI-L (3.0°) RVR	10,664' 3250m	2	148' 45m
34	HIRL (60m) CL (15m) HIALS PAPI-L (3.0°) RVR	11,210' 3417m		

2 TAKE-OFF RUN AVAILABLERWY 34:

From rwy head 11,818' (3602m)
 twy H int 7546' (2300m)

TAKE-OFF

	Rwys 16/34	AIR CARRIER (JAA)	
	LVP must be in force	LVP must be in force	All Rwys
	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A	200m (150m)	250m	400m
B			
C			
D	250m (200m)	300m	

UNNT/OVB


JEPPESEN
 27 JAN 12 **10-9S**
Standard
NOVOSIBIRSK, RUSSIA
TOLMACHEVO

STRAIGHT-IN RWY		A	B	C	D
07	ILS	565' (200')	565' (200')	565' (200')	565' (200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	NDB ①	710' (345')	710' (345')	710' (345')	710' (345')
	with FAF	R900m	R900m	R900m	R900m
	ALS out	R1500m	R1500m	R1600m	R1600m
16	NDB ①	1110' (745')	1110' (745')	1110' (745')	1110' (745')
	w/o FAF	C2700m	C2700m	C2700m	C2700m
	ALS out	C3500m	C3500m	C3500m	C3500m
	CAT 2 ILS	462' (100')	462' (100')	462' (100')	462' (100')
		RA 104' R350m	RA 104' R350m	RA 104' R350m	RA 104' R350m
	ILS	562' (200')	562' (200')	562' (200')	562' (200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
25	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	NDB ①	680' (318')	680' (318')	680' (318')	680' (318')
	with FAF	R750m	R750m	R750m	R750m
	ALS out	R1400m	R1400m	R1400m	R1400m
	NDB ①	720' (358')	720' (358')	720' (358')	720' (358')
	w/o FAF	R1000m	R1000m	R1200m	R1200m
	ALS out	R1600m	R1600m	R1600m	R1600m
34	ILS	563' (200')	563' (200')	563' (200')	563' (200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	NDB ①	720' (357')	720' (357')	720' (357')	720' (357')
	with FAF	R900m	R900m	R900m	R900m
	ALS out	R1500m	R1500m	R1600m	R1600m
34	NDB ①	1320' (957')	1320' (957')	1320' (957')	1320' (957')
	w/o FAF	C3800m	C3800m	C3800m	C3800m
	ALS out	C4500m	C4500m	C4500m	C4500m
	ILS	568' (200')	568' (200')	568' (200')	568' (200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
34	NDB ①	700' (332')	700' (332')	700' (332')	700' (332')
	with FAF	R800m	R800m	R800m	R800m
	ALS out	R1500m	R1500m	R1500m	R1500m
	NDB ①	1010' (642')	1010' (642')	1010' (642')	1010' (642')
	w/o FAF	C2300m	C2300m	C2300m	C2300m
	ALS out	C3000m	C3000m	C3000m	C3000m

① Continuous Descent Final Approach.

UNNT/OVB


JEPPESEN
 27 JAN 12 **(10-9S1)**
Standard
NOVOSIBIRSK, RUSSIA
 TOLMACHEVO
TAKE-OFF RWY 07, 16, 25, 34

	Approved Operators HIRL, CL & mult. RVR req	LVP must be in force				NIL (DAY only)
		RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	
A	125m	150m	200m	250m	400m	500m
B						
C						
D	150m	200m	250m	300m		

UNNT/OVB


JEPPESEN
 27 JAN 12 **10-9X**
JAA MINIMUMS
NOVOSIBIRSK, RUSSIA
TOLMACHEVO

STRAIGHT-IN RWY		A	B	C	D
07	ILS	565' (200')	565' (200')	565' (200')	565' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	NDB	710' (345')	710' (345')	710' (345')	710' (345')
	with FAF	R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	NDB	1110' (745')	1110' (745')	1110' (745')	1110' (745')
16		R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	CAT 2 ILS	462' (100')	462' (100')	462' (100')	462' (100')
		RA104' R350m	RA104' R350m	RA104' R350m	RA104' R350m
	ILS	562' (200')	562' (200')	562' (200')	562' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
25	NDB	680' (318')	680' (318')	680' (318')	680' (318')
	with FAF	R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	NDB	680' (318')	680' (318')	680' (318')	680' (318')
	w/o FAF	R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	ILS	563' (200')	563' (200')	563' (200')	563' (200')
		R550m	R550m	R550m	R550m
34	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	NDB	720' (357')	720' (357')	720' (357')	720' (357')
	with FAF	R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	NDB	1320' (957')	1320' (957')	1320' (957')	1320' (957')
	w/o FAF	R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
34	ILS	568' (200')	568' (200')	568' (200')	568' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	NDB	700' (332')	700' (332')	700' (332')	700' (332')
	with FAF	R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	NDB	1010' (642')	1010' (642')	1010' (642')	1010' (642')
	w/o FAF	R1000m	R1200m	R1200m	R1600m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m

UNNT/OVB

 JEPPESEN
27 JAN 12 10-9X1

JAA MINIMUMS
NOVOSIBIRSK, RUSSIA
TOLMACHEVO

TAKE-OFF RWY 07, 25

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

TAKE-OFF RWY 16, 34

LVP must be in force					
Approved Operators					
HIRL, CL & mult. RVR req	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A	125m	150m	200m	250m	400m
B					
C					
D					
	150m	200m	250m	300m	500m
A					
B					
C					
D					

**UNNT/OVB
TOLMACHEVO**

JEPPESEN
27 JAN 12 (11-1)

NOVOSIBIRSK, RUSSIA
ILS or 2 NDB Rwy 07

BRIEFING STRIP

ATIS 131.3 (Russian 127.4)	NOVOSIBIRSK Approach 127.5	NOVOSIBIRSK Krug (APP/RDR) 122.0	NOVOSIBIRSK Start (TWR) 118.5	Ground 121.7
LOC IRO 110.1	Final Apch Crs 072°	GS LOM 1103' (738')	ILS DA(H) 565' (200')	Apt Elev 368' RWY 365'
NDB RO 310		Minimum Alt D5.6 NSK 2010' (1645')	NDB MDA(H) (CONDITIONAL) 710' (345')	

MISSED APCH: Climb on 072° to 1030' (665'), then turn LEFT onto 252° climbing to 2670' (2305'), then according to chart, or as directed.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 4640' (**4275'**)

ALT/HEIGHT CONVERSION

QNH	(QFE)
4640'	(4275' - 1300m)
2670'	(2305' - 700m)
2010'	(1645' - 500m)
1110'	(745' - 225m)
1030'	(665' - 200m)
600'	(235' - 70m)

Flights of civil aircraft over central part of city below 4300' prohibited.

NOVOSIBIRSK
D 113.3 NSK

ILS
072° 110.1 IRO

NDB
310 RO

LOC
D5.6 NSK

GS
1103' (738')

LMM
GS 594' (229')

RWY 07 **365'**

FAF to MAP

Gnd speed-Kts	70	90	100	120	140	160
ILS GS or NDB Desc Angle 3.00°	372	478	531	637	743	849
FAF to MAP	4.1	3:31	2:44	2:28	2:03	1:32

STRAIGHT-IN LANDING RWY 07

	ILS		LOC (GS out)	With FAF		NDB	
	DA(H) 565' (200')	Full		MDA(H) 710' (345')	W/o FAF	MDA(H) 1110' (745')	
A							
B	RVR 720m VIS 800m	1200m	NOT AUTH	1200m	RVR 1500m VIS 1600m	1200m	RVR 1500m VIS 1600m
C						2800m	3600m
D				RVR 1500m VIS 1600m	RVR 1800m VIS 2000m	3600m	4000m

CHANGES: Minimums.

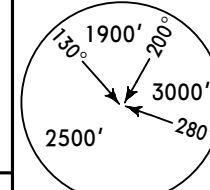
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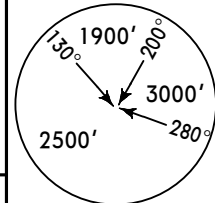
UNNT/OVB
TOLMACHEVO

JEPPESEN
27 JAN 12 (11-2)

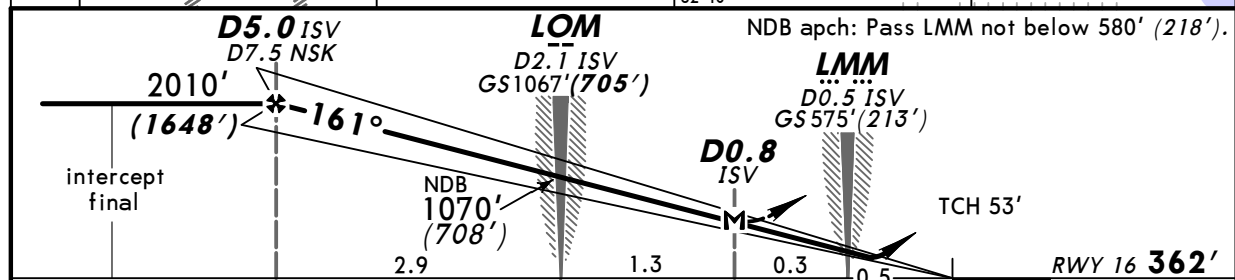
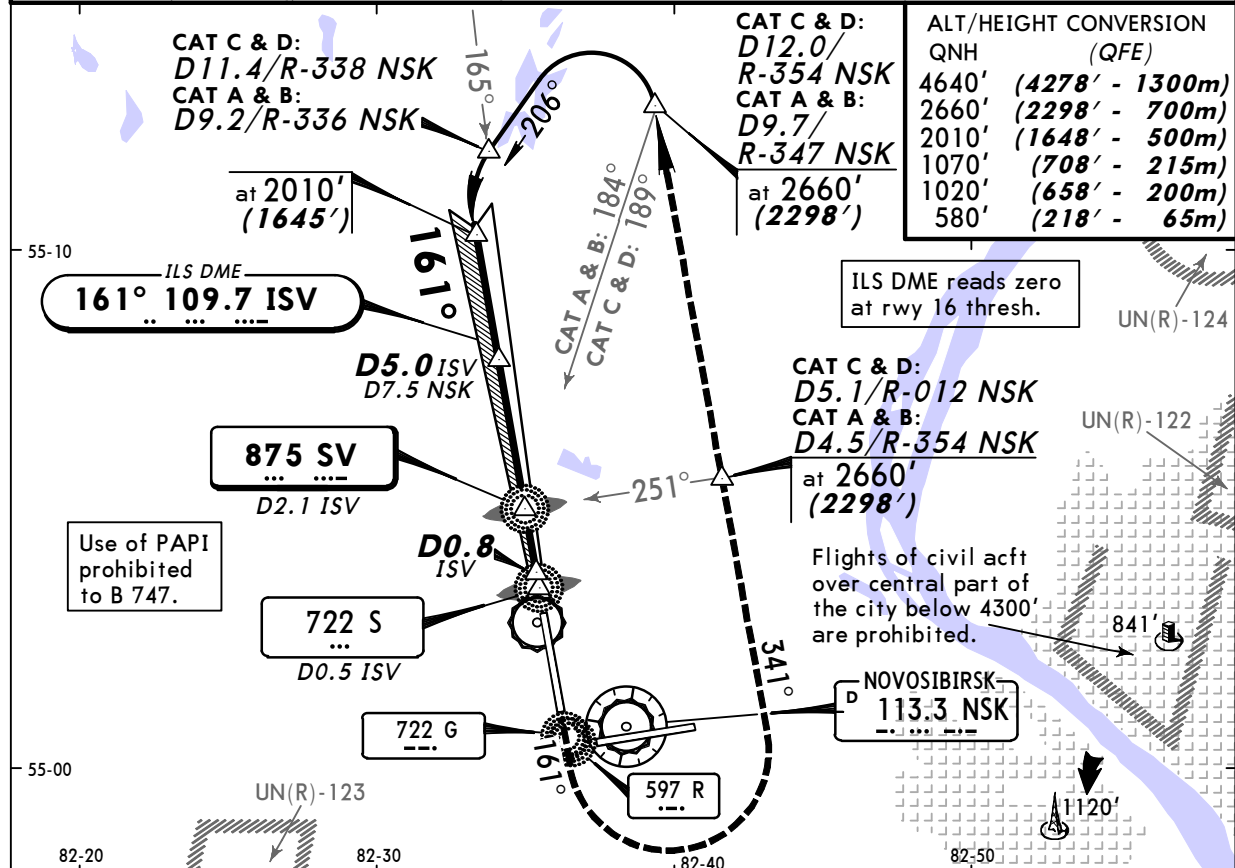
NOVOSIBIRSK, RUSSIA
ILS DME or 2 NDB Rwy 16

BRIEFING STRIP

ATIS 131.3 (Russian 127.4)		NOVOSIBIRSK Approach 127.5		NOVOSIBIRSK Krug (APP/RDR) 122.0		NOVOSIBIRSK Start (TWR) 118.5		Ground 121.7	
LOC ISV 109.7		Final Apch Crs 161°	GS LOM 1067' (705')		ILS DA(H) 562' (200')		Apt Elev 368' RWY 362'		
NDB SV 875			Minimum Alt D5.0 ISV 2010' (1648')		NDB MDA(H) (CONDITIONAL) 680' (318')				
MISSED APCH: Climb on 161° to 1020' (658'), then turn LEFT onto 341° climbing to 2660' (2298'), then according to chart or as directed.									
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 60		Trans alt: 4640' (4278')			



MSA NSK VOR



Gnd speed-Kts	70	90	100	120	140	160	ILS-II	1020' (658')	161°	341°	2660' (2298')
ILS GS or NDB Desc Angle 3.00°	372	478	531	637	743	849	PAPI				
MAP at D0.8 ISV											

STRAIGHT-IN LANDING RWY 16							
ILS				LOC (GS out)			
DA(H) 562' (200')				With FAF			
FULL				MDA(H) 680' (318')			
TDZ or CL out				W/o FAF			
ALS out				MDA(H) 720' (358')			
ALS out				ALS out			
A							
B	RVR 550m VIS 800m	RVR 720m VIS 800m	1200m	NOT AUTH	1200m RVR 1500m VIS 1600m	1200m RVR 1500m VIS 1600m	1200m RVR 1500m VIS 1600m
C							
D					RVR 1500m VIS 1600m	RVR 1500m VIS 1600m	RVR 1800m VIS 2000m

PANS OPS

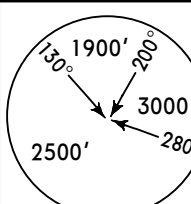
UNNT/OVB
TOLMACHEVO

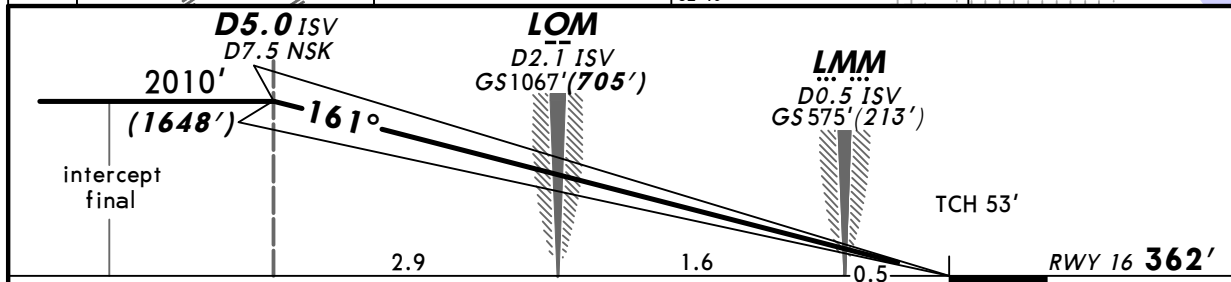
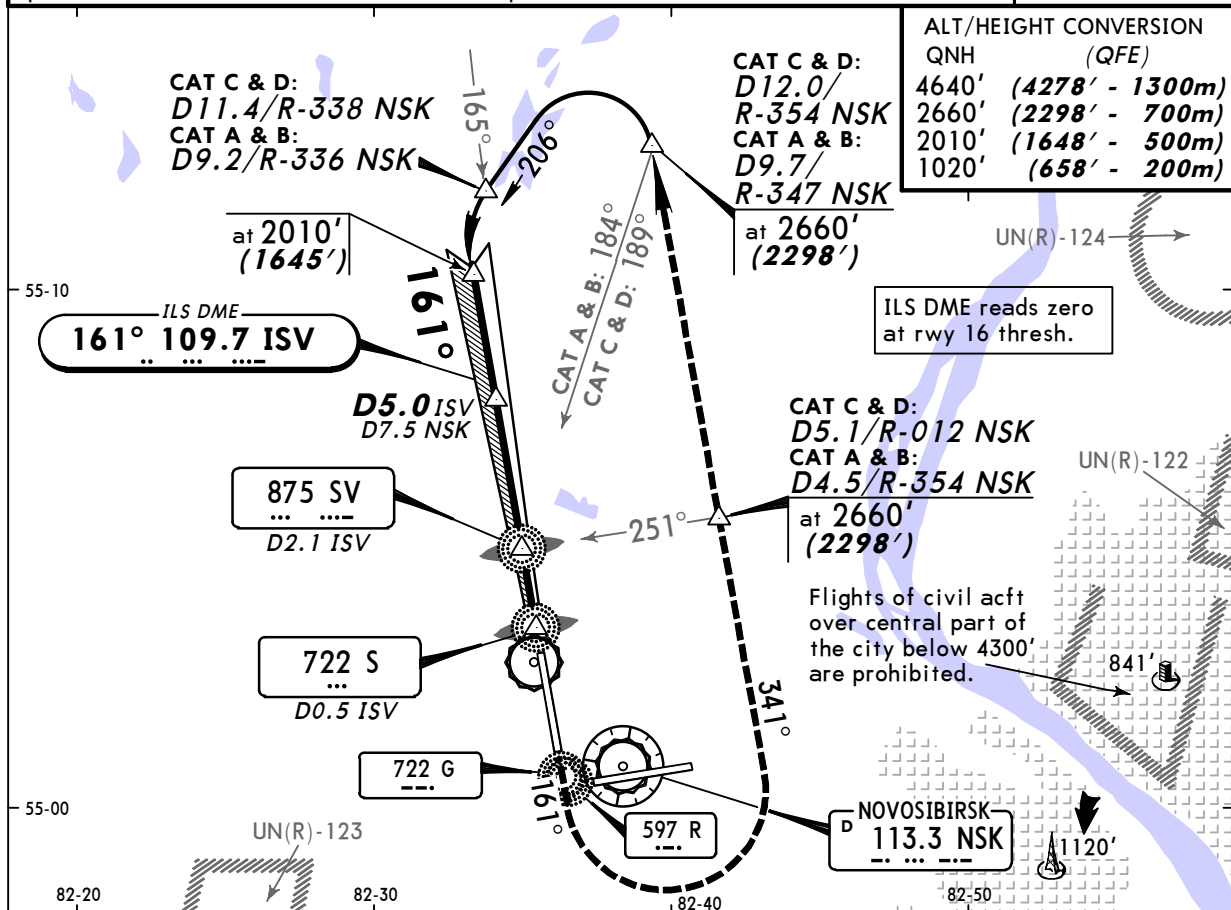
27 JAN 12

JEPPESEN
11-2A

NOVOSIBIRSK, RUSSIA
CAT II ILS DME Rwy 16

BRIEFING STRIP

ATIS	NOVOSIBIRSK Approach	NOVOSIBIRSK Krug (APP/RDR)	NOVOSIBIRSK Start (TWR)	Ground
131.3 (Russian 127.4)	127.5	122.0	118.5	121.7
LOC ISV 109.7	Final Apch Crs 161°	GS LOM 1067' (705')	CAT II ILS RA 104' DA(H) 462' (100') Apt Elev 368' RWY 362'	
MISSED APCH: Climb on 161° to 1020' (658'), then turn LEFT onto 341° climbing to 2660' (2298'), then according to chart or as directed.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 4640' (4278') Special Aircrew & Aircraft Certification Required.				MSA NSK VOR



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1020' (658') on 161°	341° LT	2660' (2298')
GS	3.00°	372	478	531	637	743	849			

STRAIGHT-IN LANDING RWY 16
CAT II ILS
ABCD
RA 104'
DA(H) 462' (100')

RVR 350m

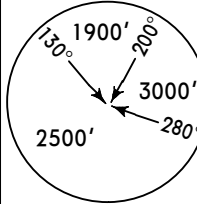
PANS OPS

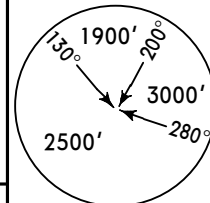
UNNT/OVB
TOLMACHEVO

JEPPESSEN
27 JAN 12 (11-3)

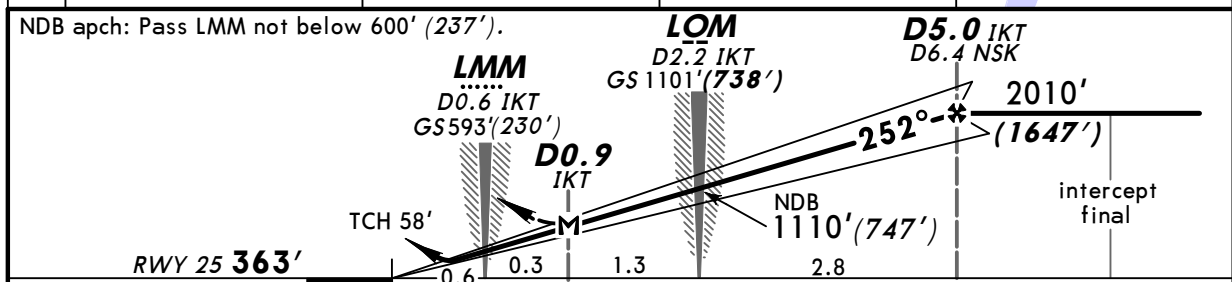
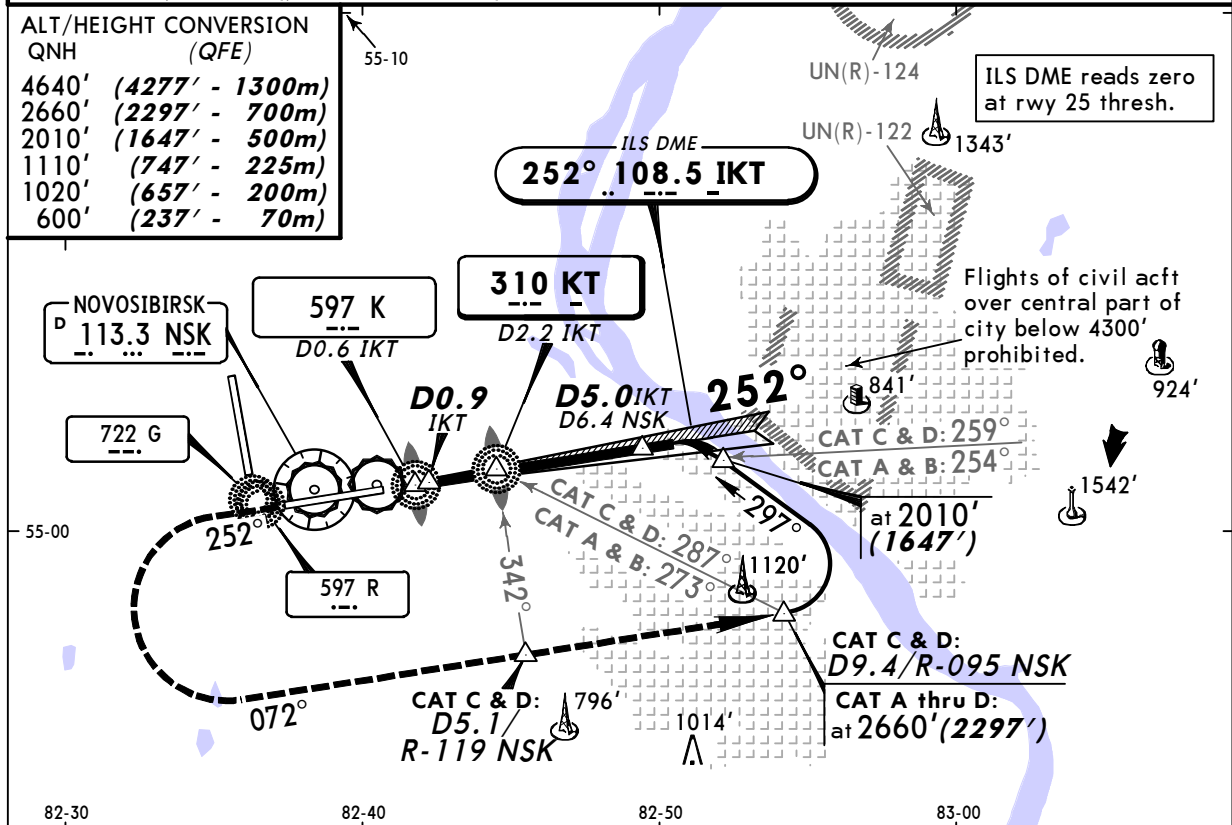
NOVOSIBIRSK, RUSSIA
ILS DME or 2 NDB Rwy 25

BRIEFING STRIP

ATIS 131.3 (Russian 127.4)		NOVOSIBIRSK Approach 127.5		NOVOSIBIRSK Krug (APP/RDR) 122.0		NOVOSIBIRSK Start (TWR) 118.5		Ground 121.7		
LOC IKT 108.5		Final Apch Crs 252°		GS LOM 1101' (738')		ILS DA(H) 563' (200')		Apt Elev 368' RWY 363'		
NDB KT 310				Minimum Alt D5.0 IKT 2010' (1647')		NDB MDA(H) (CONDITIONAL) 720' (357')				
MISSED APCH: Climb on 252° to 1020' (657'), then turn LEFT onto 072° climbing to 2660' (2297'), then according to chart.									 MSA NSK VOR	
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 4640' (4277')										



ALT/HEIGHT CONVERSION	QNH	(QFE)
4640'	(4277' - 1300m)	
2660'	(2297' - 700m)	
2010'	(1647' - 500m)	
1110'	(747' - 225m)	
1020'	(657' - 200m)	
600'	(237' - 70m)	



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1020' (657') on 252°	072° LT	2660' (2297')
ILS GS or NDB Desc Angle 3.00°	372	478	531	637	743	849	PAPI			
MAP at D0.9 IKT										

STRAIGHT-IN LANDING RWY 25										
ILS		LOC (GS out)	With FAF		NDB					
DA(H) 563' (200')			MDA(H) 720' (357')		W/o FAF MDA(H) 1320' (957')					
FULL	ALS out			ALS out		ALS out				
A	RVR 720m VIS 800m	1200m	NOT AUTH	1200m	RVR 1500m VIS 1600m	1200m	RVR 1800m VIS 2000m			
B							1500m	1600m		
C						4000m	4800m			
D						4400m	4800m			

PANS OPS

UNNT/OVB
TOLMACHEVO

JEPPESSEN
27 JAN 12 (11-4)

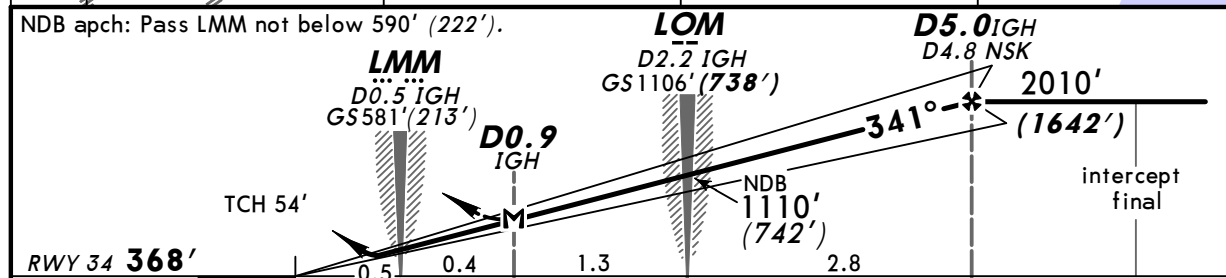
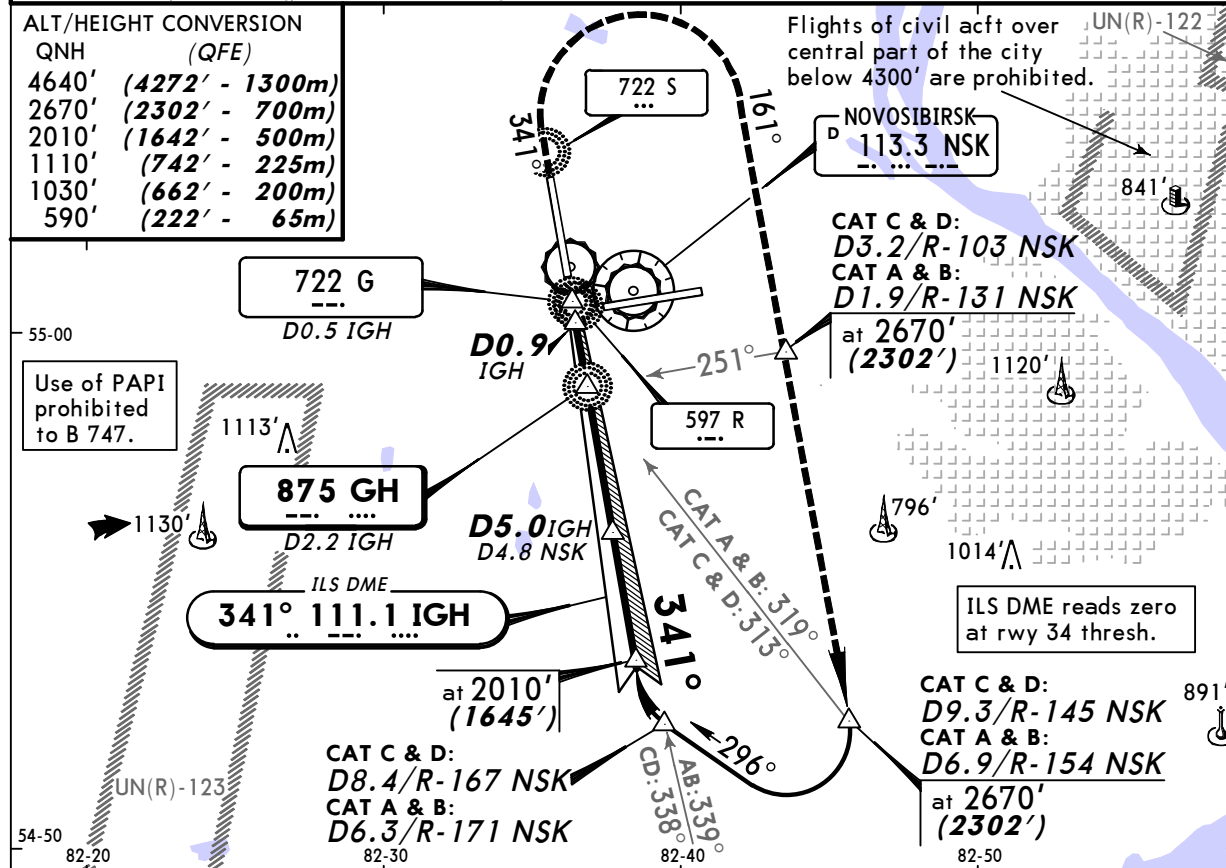
NOVOSIBIRSK, RUSSIA
ILS DME or 2 NDB Rwy 34

BRIEFING STRIP

ATIS 131.3 (Russian 127.4)	NOVOSIBIRSK Approach 127.5	NOVOSIBIRSK Krug (APP/RDR) 122.0	NOVOSIBIRSK Start (TWR) 118.5	Ground 121.7
LOC IGH 111.1	Final Apch Crs 341°	GS LOM 1106' (738')	ILS DA(H) 568' (200')	Apt Elev 368'
NDB GH 875		Minimum Alt D5.0 IGH 2010' (1642')	NDB MDA(H) (CONDITIONAL) 700' (332')	RWY 368'
MISSED APCH: Climb on 341° to 1030' (662'), then turn RIGHT onto 161° climbing to 2670' (2302'), then according to chart.				MSA NSK VOR

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 4640' (4272')

ALT/HEIGHT CONVERSION	QNH	(QFE)
4640'	(4272' - 1300m)	
2670'	(2302' - 700m)	
2010'	(1642' - 500m)	
1110'	(742' - 225m)	
1030'	(662' - 200m)	
590'	(222' - 65m)	



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1030' (662') on 341°	161° RT	2670' (2302')
ILS GS or NDB Desc Angle 3.00°	372	478	531	637	743	849	PAPI			
MAP at D0.9 IGH										

STRAIGHT-IN LANDING RWY 34							
ILS		LOC (GS out)	With FAF		NDB		
DA(H) 568' (200')			MDA(H) 700' (332')		MDA(H) 1010' (642')		
FULL	ALS out		ALS out		ALS out		
A							
B	RVR 720m VIS 800m	1200m	1200m	RVR 1500m VIS 1600m	1200m	RVR 1500m VIS 1600m	
C		NOT AUTH			RVR 1800m VIS 2000m	2800m	
D			RVR 1500m VIS 1600m		2800m	3200m	

PANS OPS