

List of pages in this Trip Kit

Trip Kit Index
Airport Information For UNNT
Terminal Charts For UNNT
Revision Letter For Cycle 09-2019
Change Notices
Notebook

General Information

Location: NOVOSIBIRSK RUS
ICAO/IATA: UNNT / OVB
Lat/Long: N55° 02.0', E082° 35.9'
Elevation: 367 ft

Airport Use: Public
Daylight Savings: Not Observed
UTC Conversion: -7:00 = UTC
Magnetic Variation: 9.0° E

Fuel Types: Jet A-1
Repair Types: Minor Airframe, Minor Engine
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: No

Sunrise: 2232 Z
Sunset: 1420 Z

Runway Information

Runway: 07
Length x Width: 11801 ft x 197 ft
Surface Type: asphalt
TDZ-Elev: 365 ft
Lighting: Edge, ALS

Runway: 16
Length x Width: 11818 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 362 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 25
Length x Width: 11801 ft x 197 ft
Surface Type: asphalt
TDZ-Elev: 363 ft
Lighting: Edge, ALS

Runway: 34
Length x Width: 11818 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 368 ft
Lighting: Edge, ALS, Centerline

Communication Information

ATIS: 127.400 Non-English

ATIS: 131.300

Novosibirsk Tower: 126.700

Novosibirsk Tower: 118.500

Novosibirsk Ground: 121.700

Tolmachevo Apron Ramp/Taxi: 118.800

Novosibirsk Approach: 127.100

Novosibirsk Approach: 127.500

Novosibirsk Radar: 122.000 At or below 33561432 ft

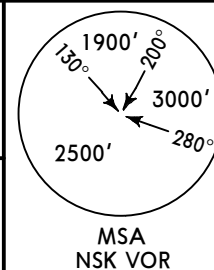
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-2** Eff 27 Apr

NOVOSIBIRSK, RUSSIA
STAR

ATIS
131.3 (Russian 127.4)
Apt Elev
367'

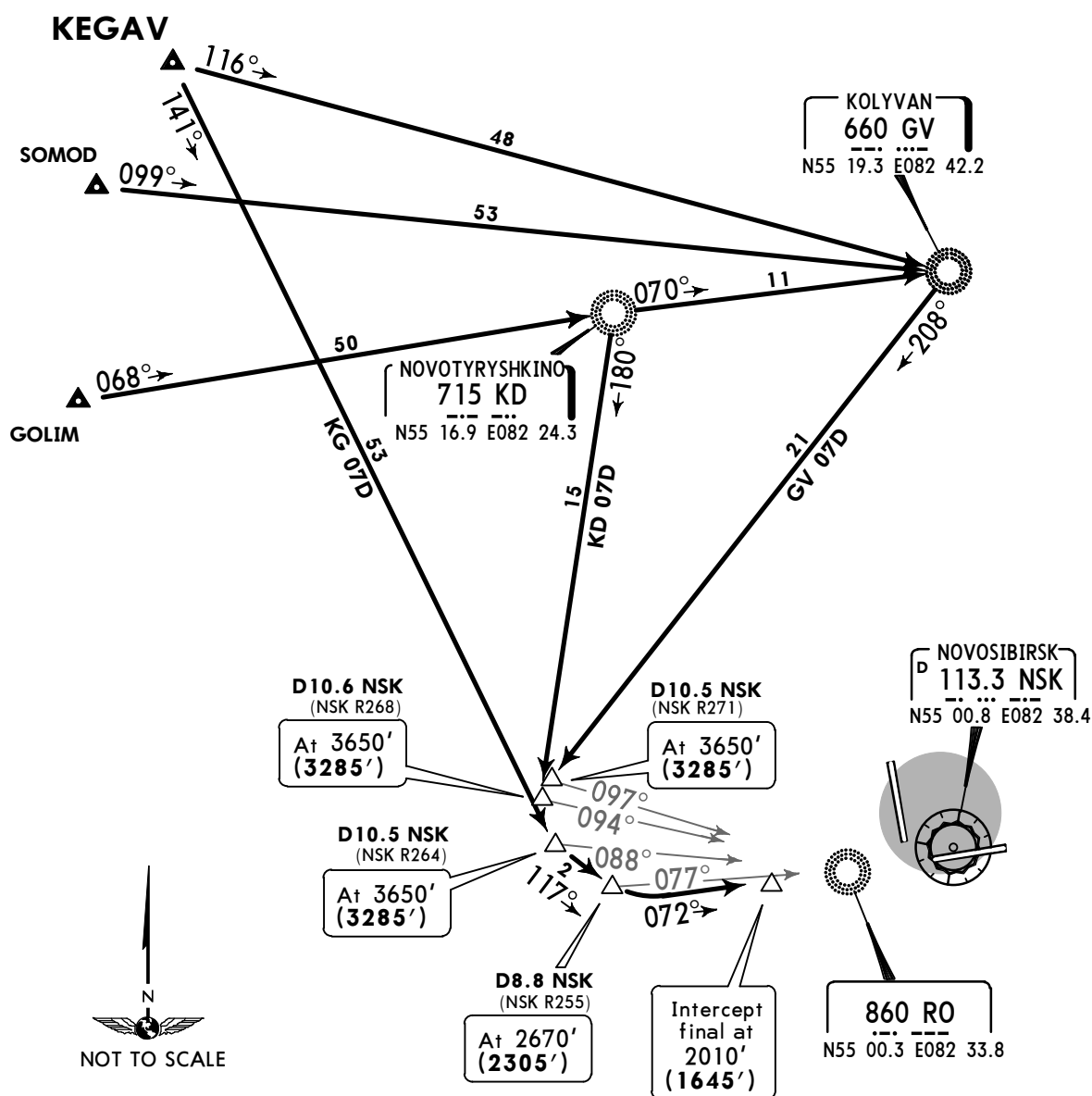
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4275')
DME required.



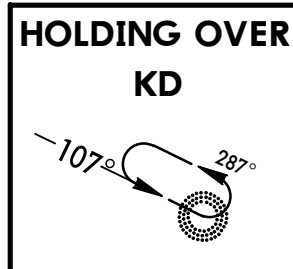
GV 07D, KD 07D, KG 07D
RWY 07 ARRIVALS

CAT C & D

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



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



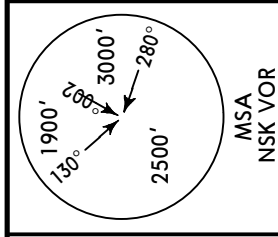
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-2A** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

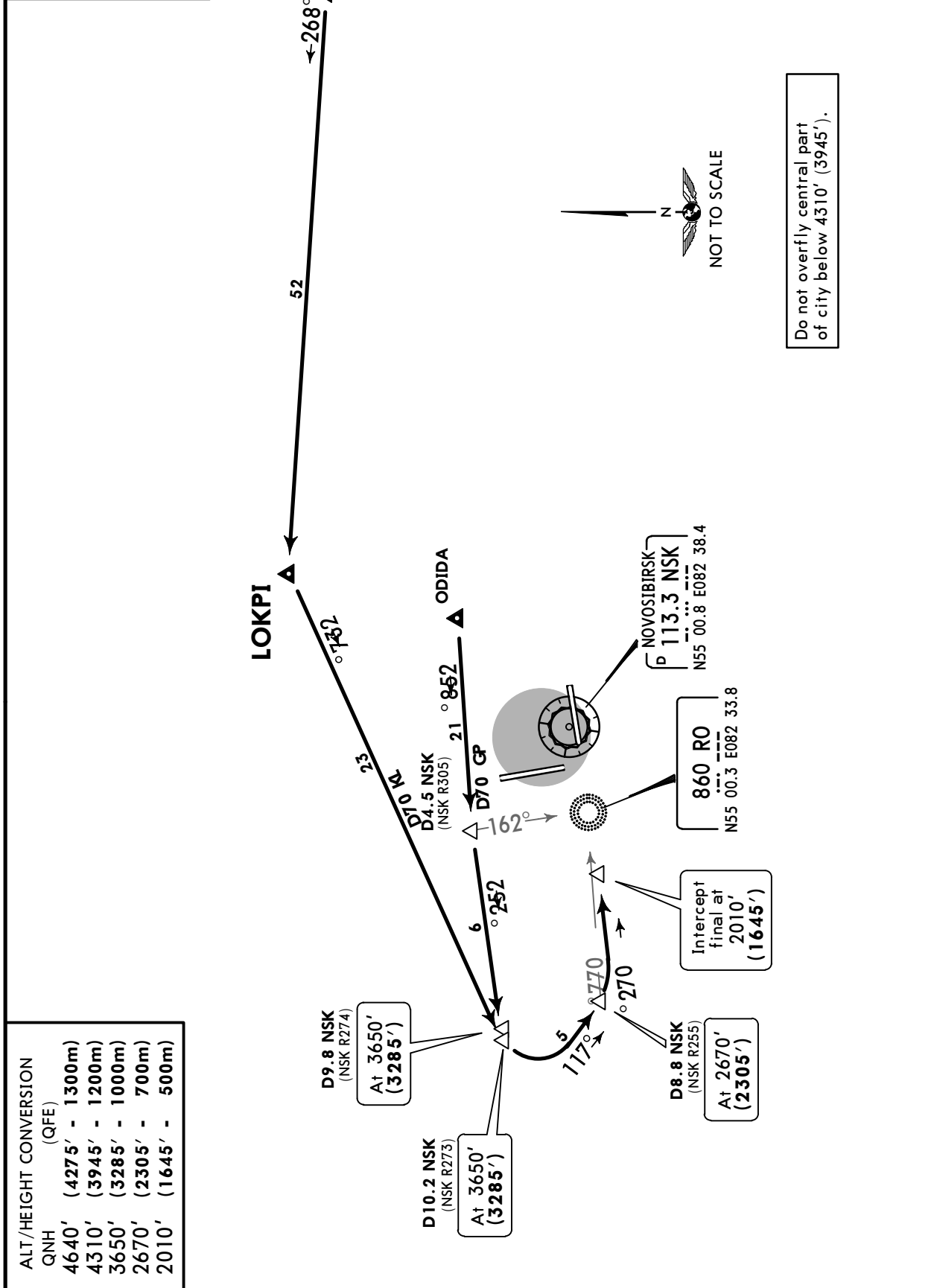
STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4275') DME required.
--------------------------------------	-------------------------	--

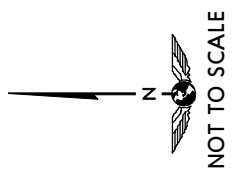


LK 07D, PG 07D
RWY 07 ARRIVALS

CAT C & D



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



ALT/HEIGHT CONVERSION

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

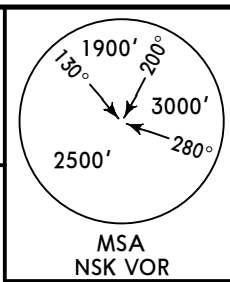
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-2B** Eff 27 Apr

NOVOSIBIRSK, RUSSIA
STAR

ATIS
131.3 (Russian 127.4)
Apt Elev
367'

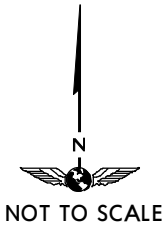
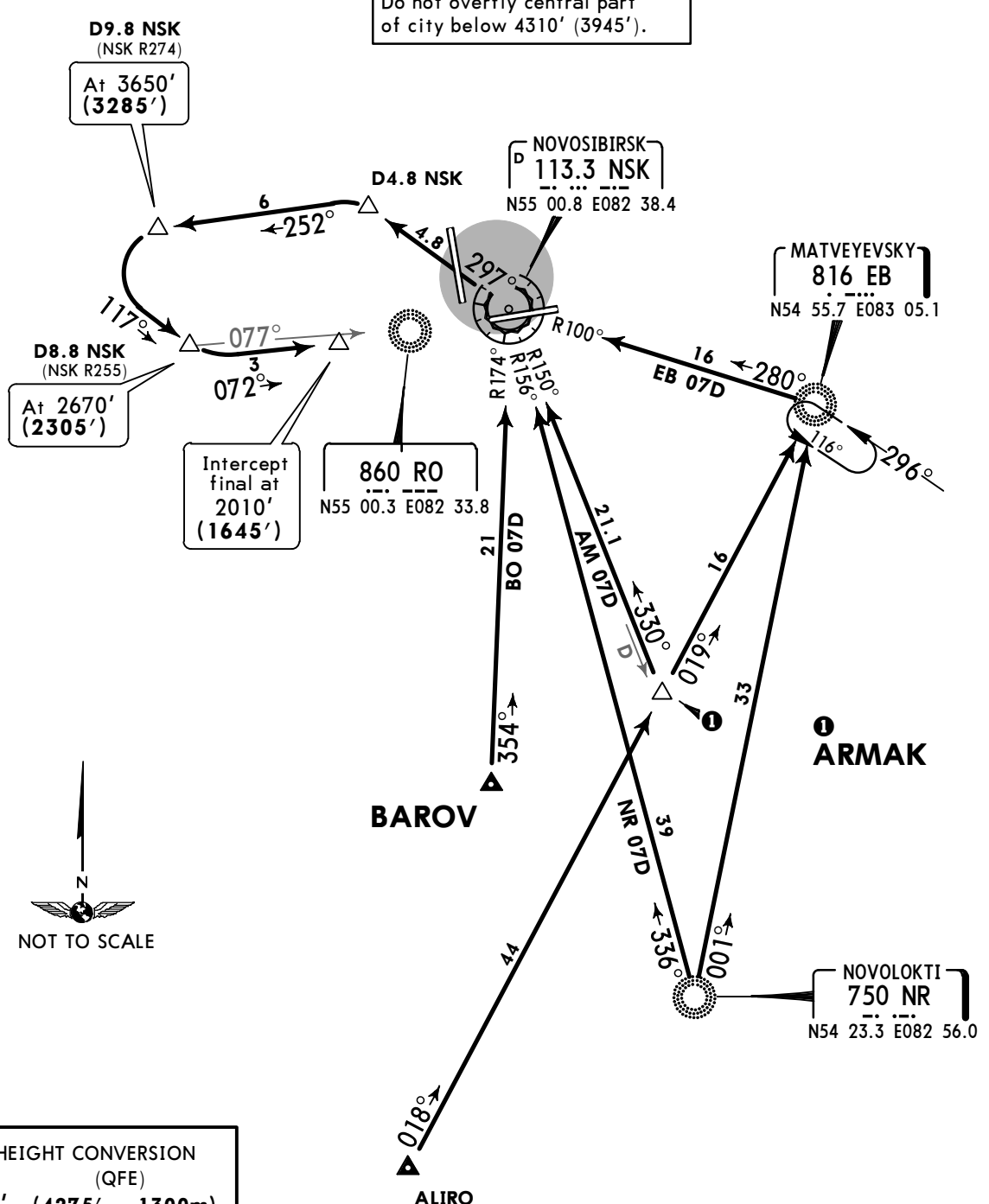
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4275')
DME required.



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

CAT C & D

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



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

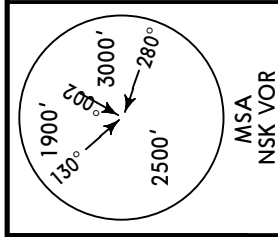
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-2C** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4275') DME required.
--------------------------------------	-------------------------	---

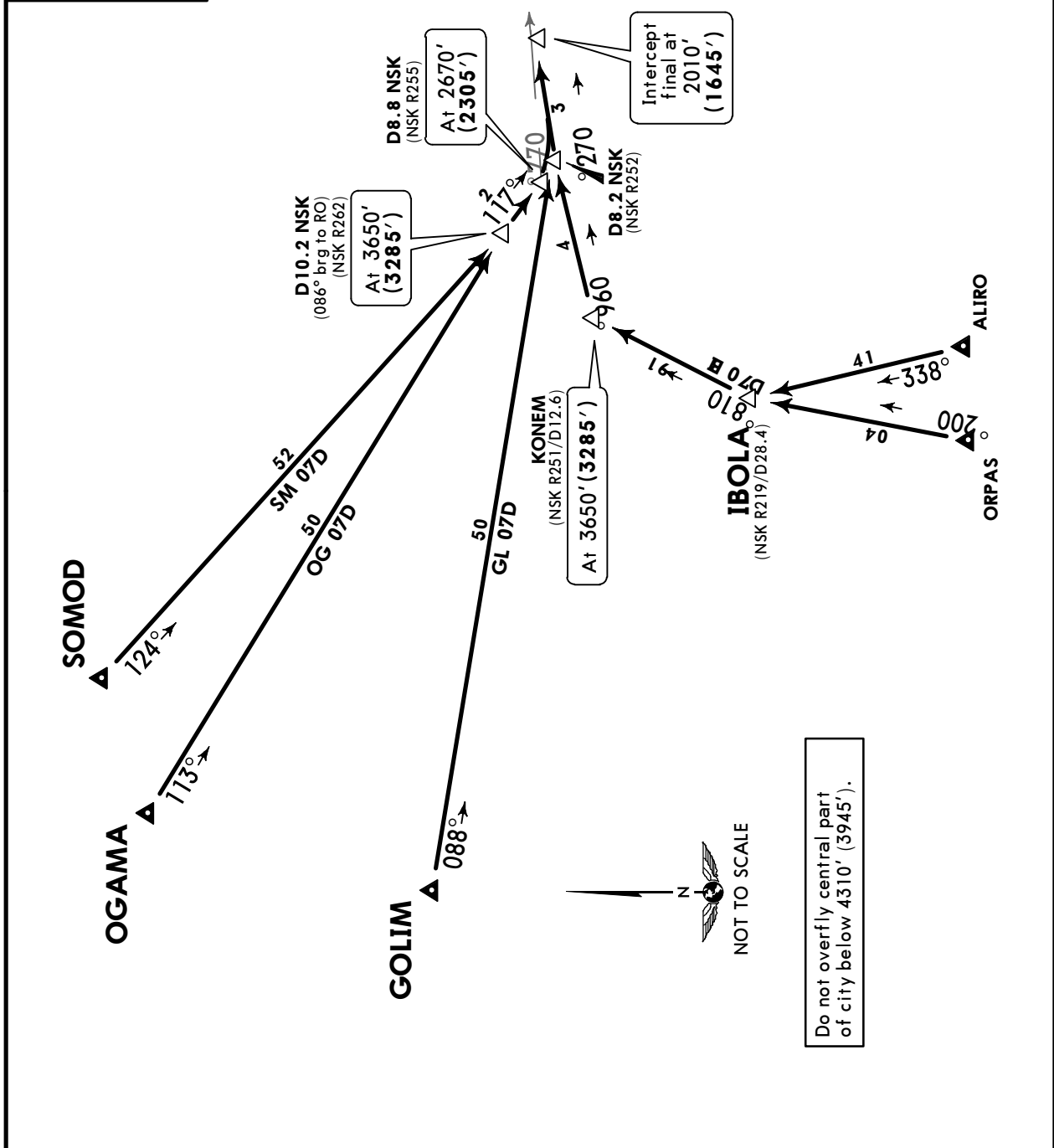
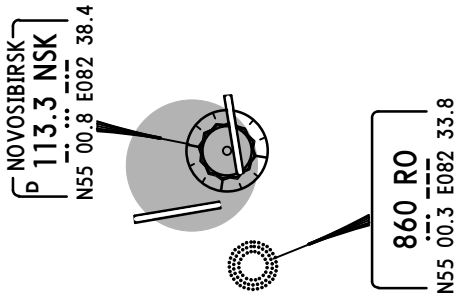


GL 07D, IB 07D, OG 07D, SM 07D
RWY 07 ARRIVALS

CAT C & D

ALT/HEIGHT CONVERSION (QFE)

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



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

UNNT/OVB
TOLMACHEVO

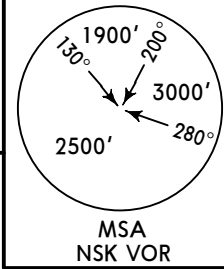
JEPPESEN
14 APR 17 (10-2D) Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)
Apt Elev
367'

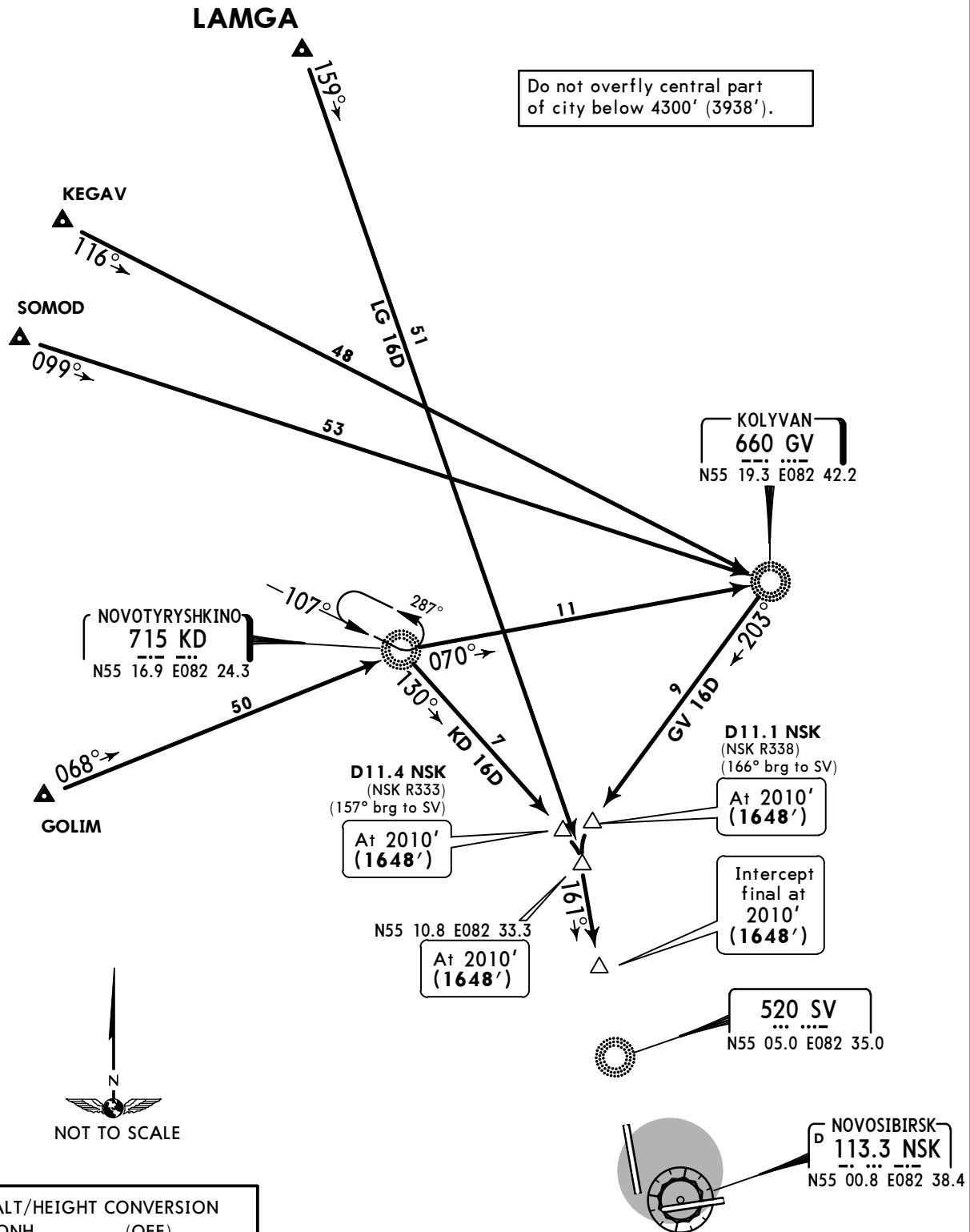
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4278')
DME required.



GV 16D, KD 16D, LG 16D
RWY 16 ARRIVALS

CAT C & D

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



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

CHANGES: Requirement established.

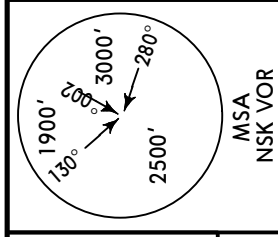
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-2E** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

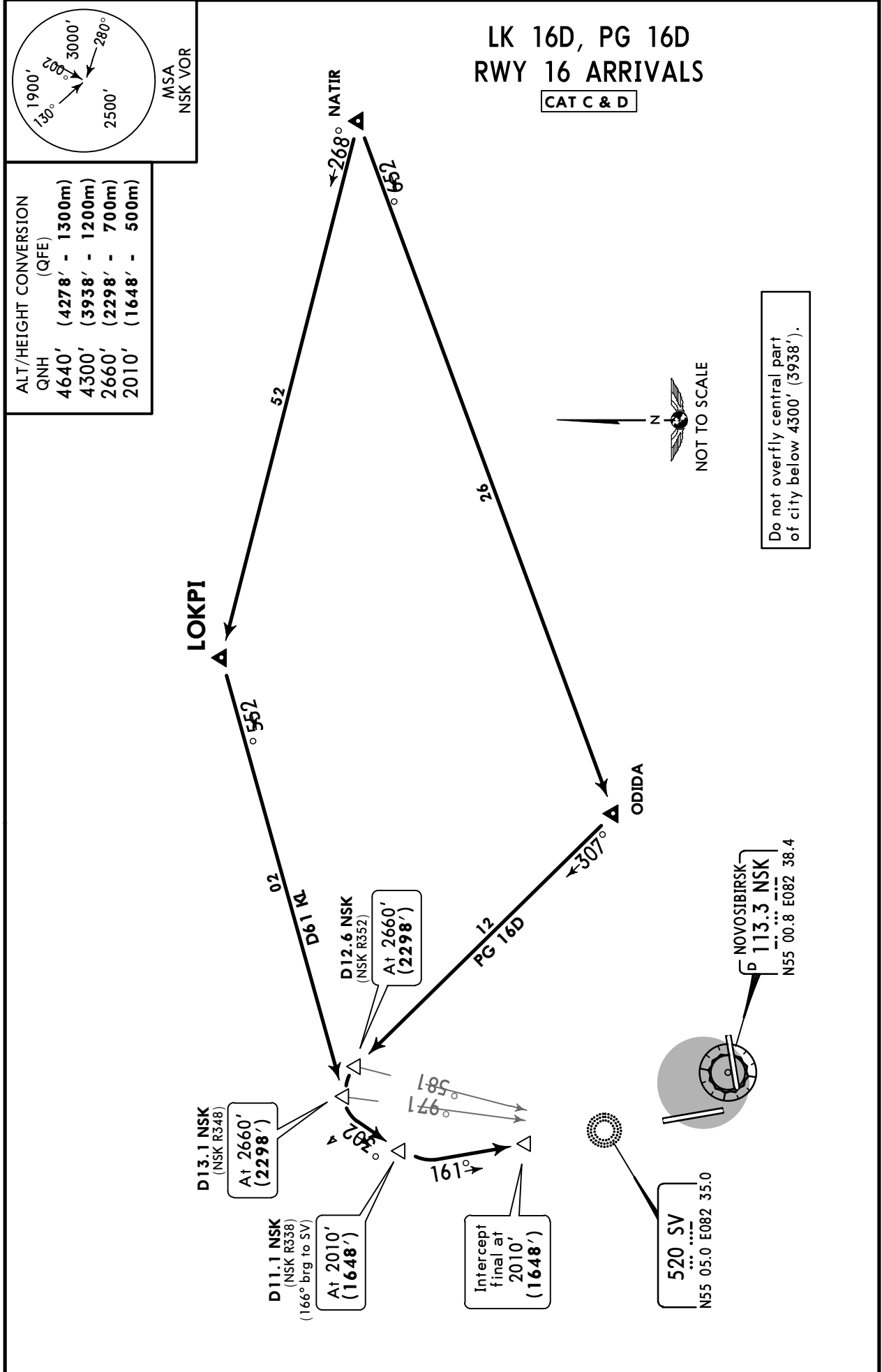
ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4278') DME required.
--------------------------------------	-------------------------	--



ALT/HEIGHT CONVERSION (QFE)

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

LK 16D, PG 16D
RWY 16 ARRIVALS
CAT C & D



CHANGES: Requirement established.

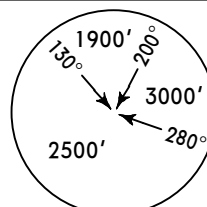
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-2F** Eff 27 Apr

NOVOSIBIRSK, RUSSIA
STAR

ATIS
131.3 (Russian 127.4)
Apt Elev
367'

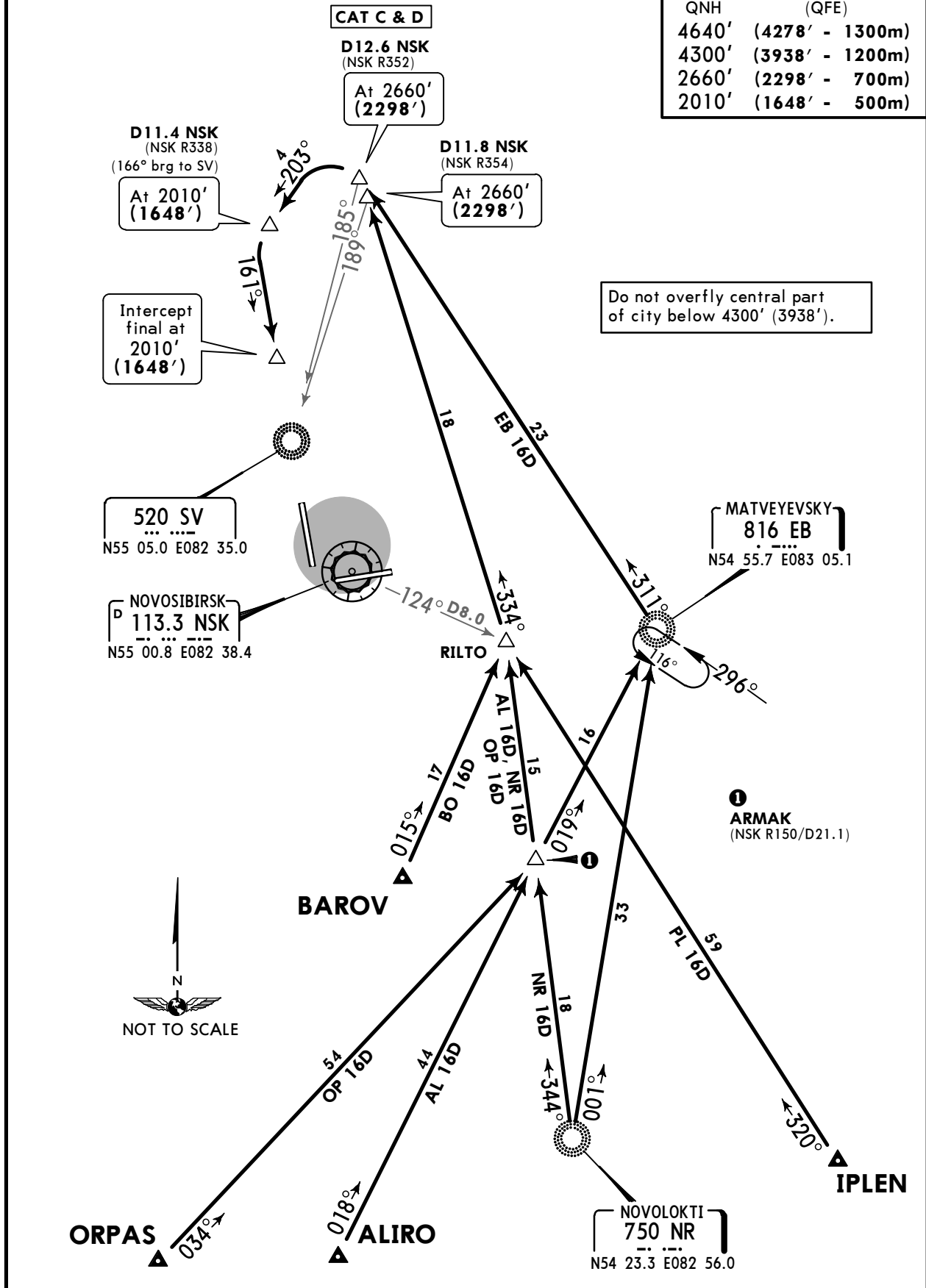
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4278')
DME required.



MSA
NSK VOR

AL 16D, BO 16D, EB 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)



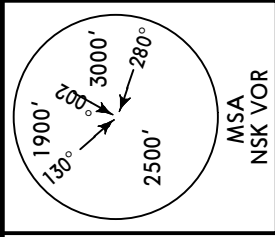
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-2G** Eff 27 Apr

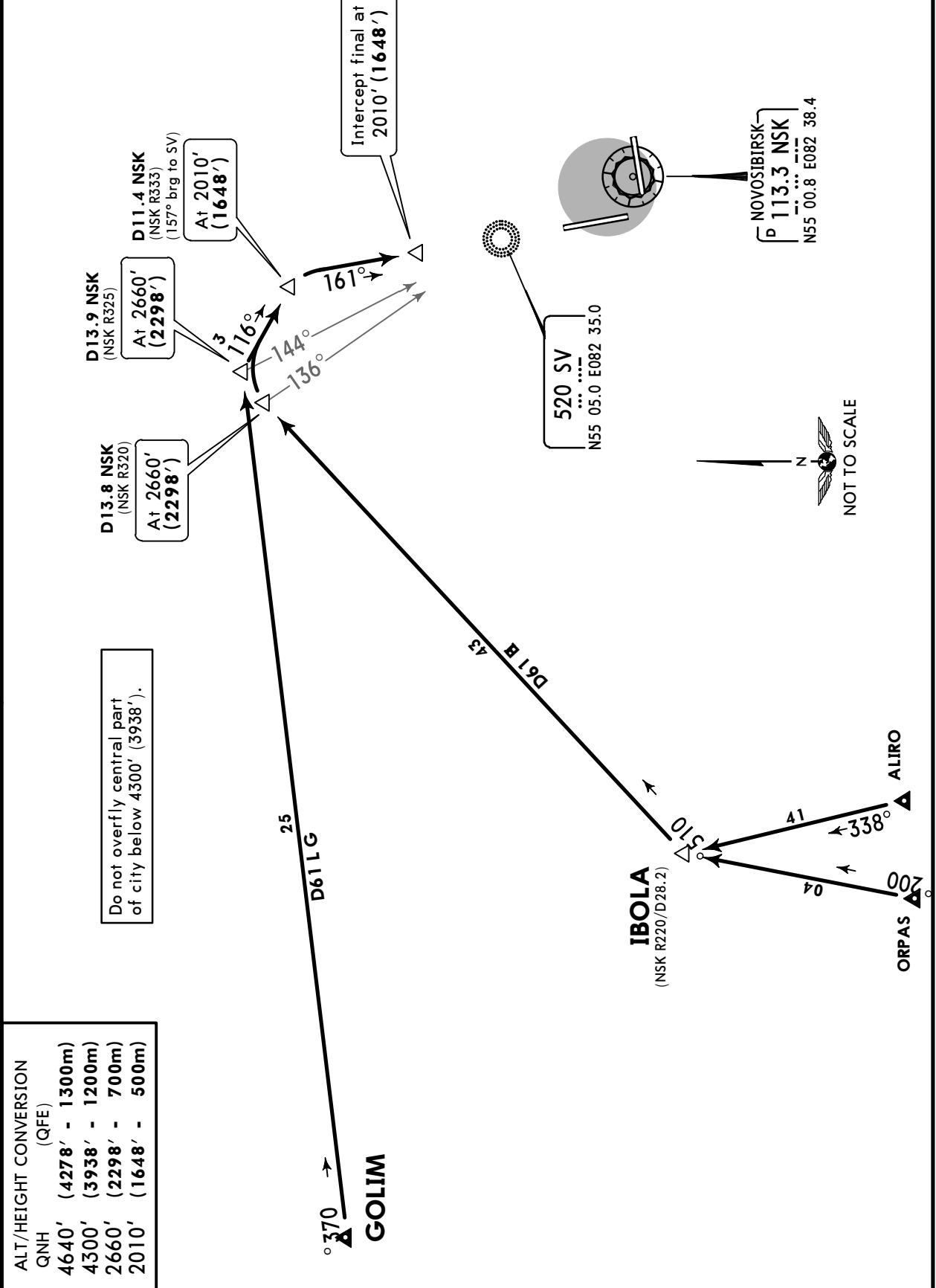
NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4278') DME required.
--------------------------------------	-------------------------	---



GL 16D, IB 16D
RWY 16 ARRIVALS
CAT C & D



CHANGES: Requirement established.

© JEPPESEN, 2010, 2017. ALL RIGHTS RESERVED.

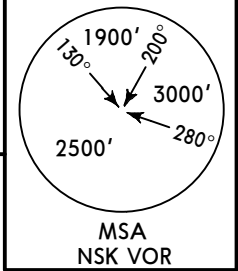
UNNT/OVB
TOLMACHEVO

JEPPESEN
28 JUL 17 (10-2H)

NOVOSIBIRSK, RUSSIA
STAR

ATIS
131.3 (Russian 127.4)
Apt Elev
367'

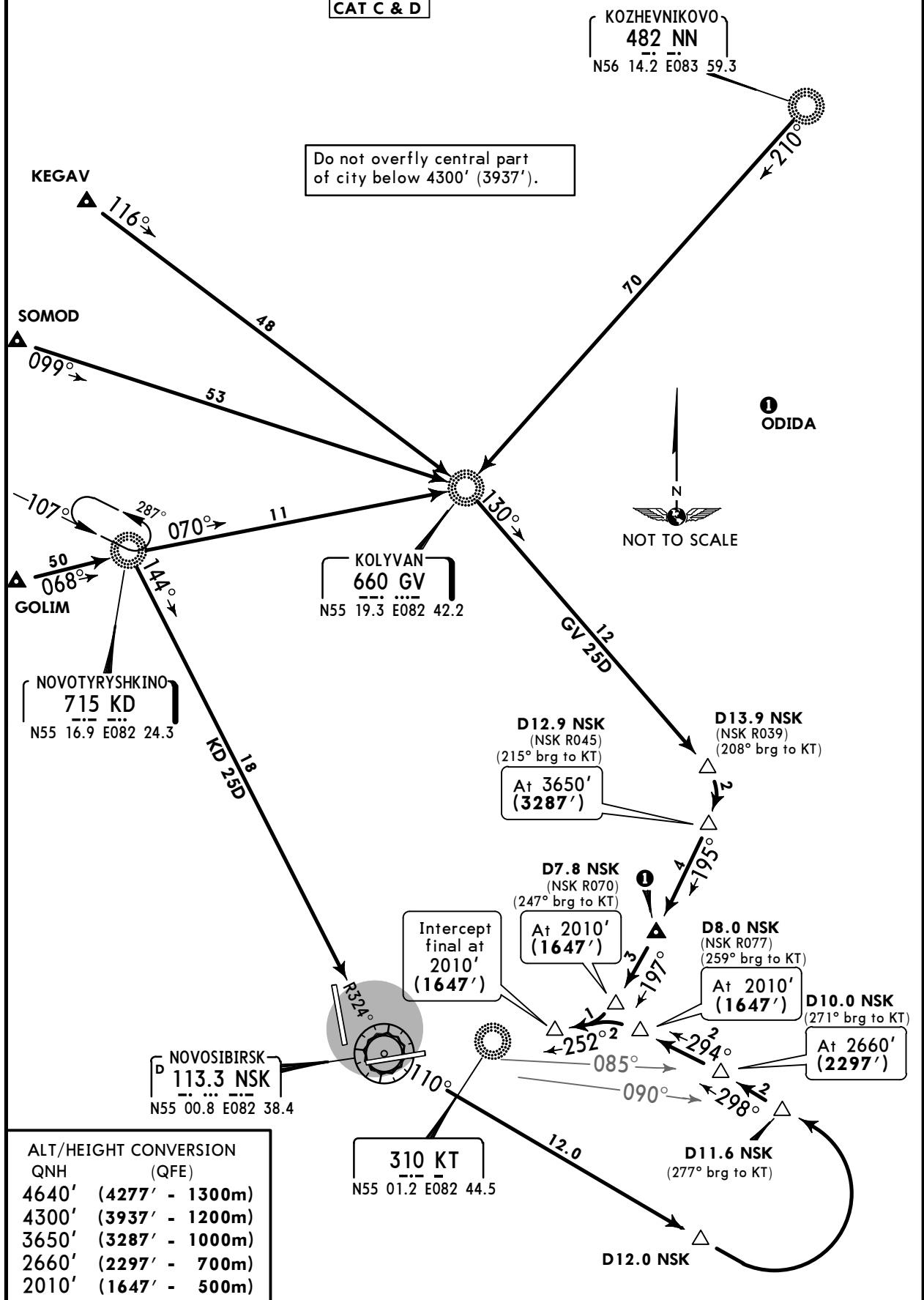
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4277')
DME requirement.



GV 25D, KD 25D
RWY 25 ARRIVALS

CAT C & D

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)

CHANGES: Crossing at D11.6 NSK withdrawn.

© JEPPESEN, 2015, 2017. ALL RIGHTS RESERVED.

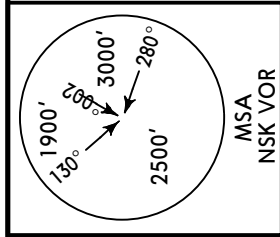
UNNT/OVB
TOLMACHEVO

JEPPESEN
28 JUL 17 (10-2J)

NOVOSIBIRSK, RUSSIA

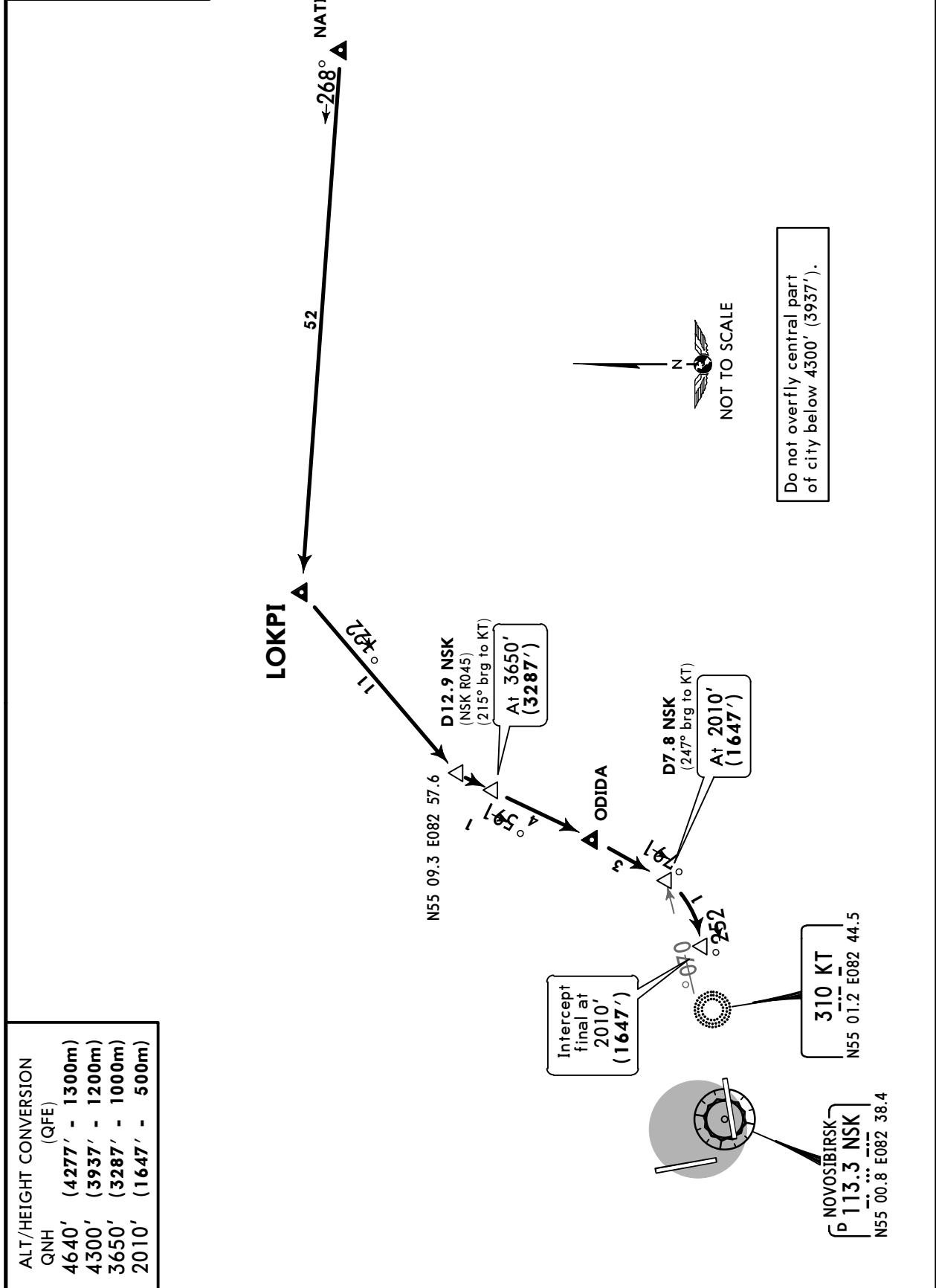
STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4277') DME required.
--------------------------------------	-------------------------	---



LK 25D
RWY 25 ARRIVAL

CAT C & D



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

CHANGES: None.

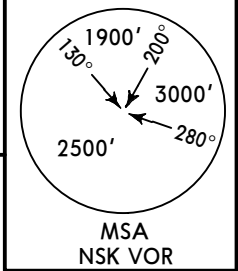
UNNT/OVB
TOLMACHEVO

JEPPESEN
28 JUL 17 **10-2K**

NOVOSIBIRSK, RUSSIA
STAR

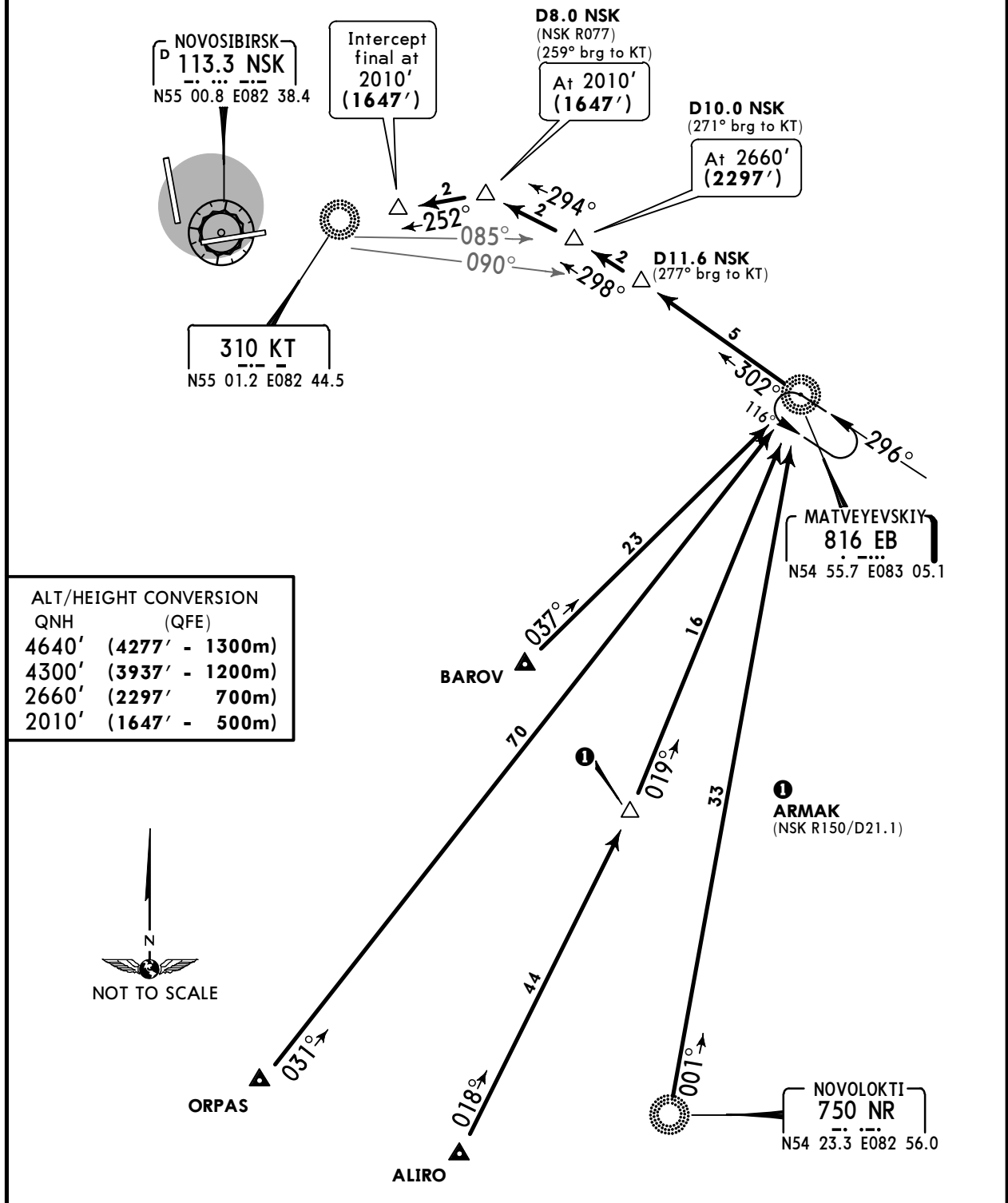
ATIS
131.3 (Russian 127.4)
Apt Elev
367'

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

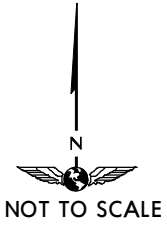


EB 25D
RWY 25 ARRIVAL
CAT C & D

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)



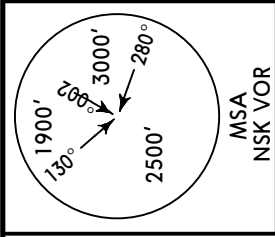
UNNT/OVB
TOLMACHEVO

JEPPESEN
28 JUL 17 (10-2L)

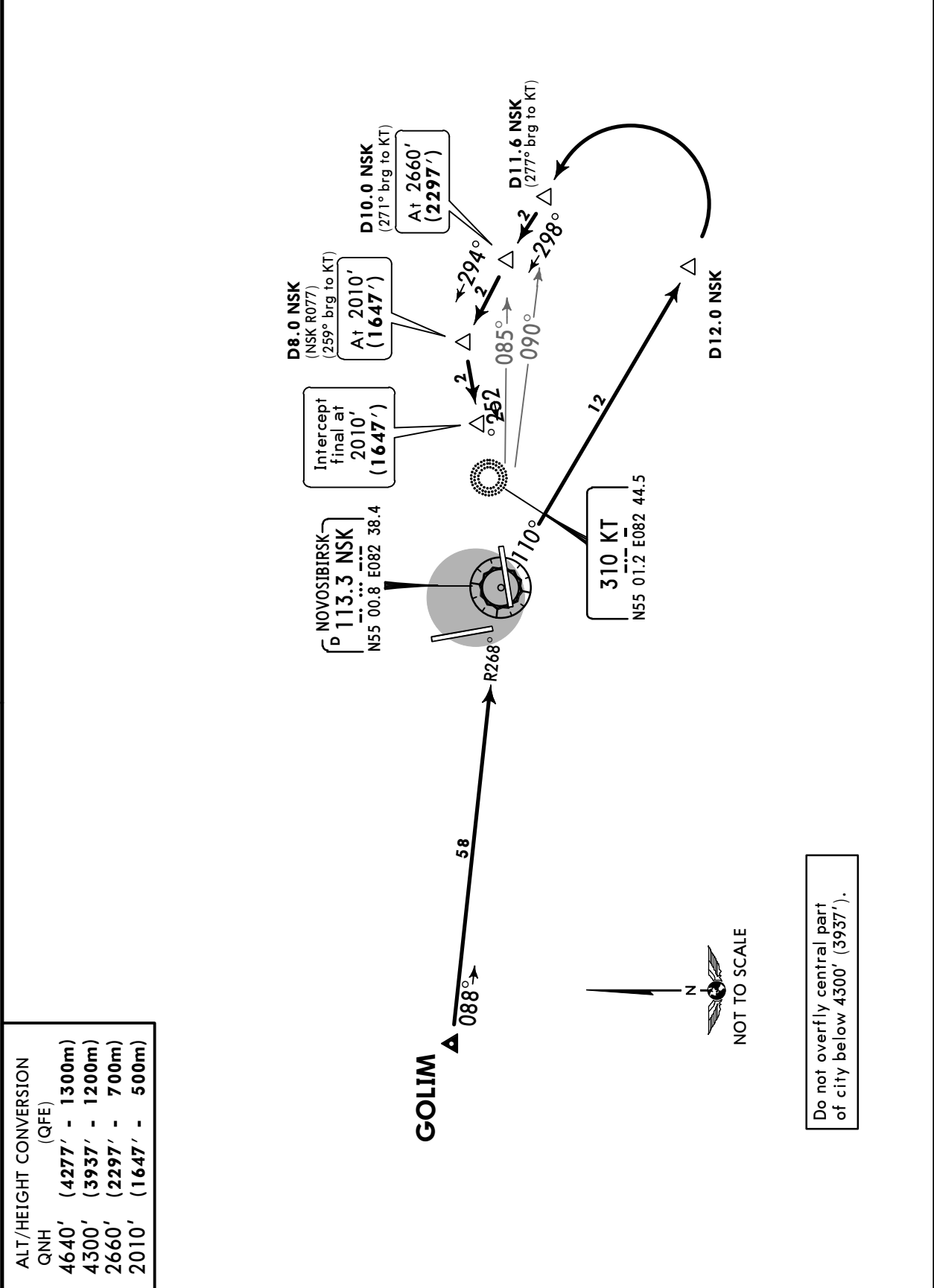
NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4277') DME required.
--------------------------------------	-------------------------	---

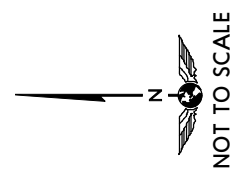


GL 25D
RWY 25 ARRIVAL
CAT C & D



ALT/HEIGHT CONVERSION (QFE)

4640'	(4277' - 1300m)
4300'	(3937' - 1200m)
2660'	(2297' - 700m)
2010'	(1647' - 500m)



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

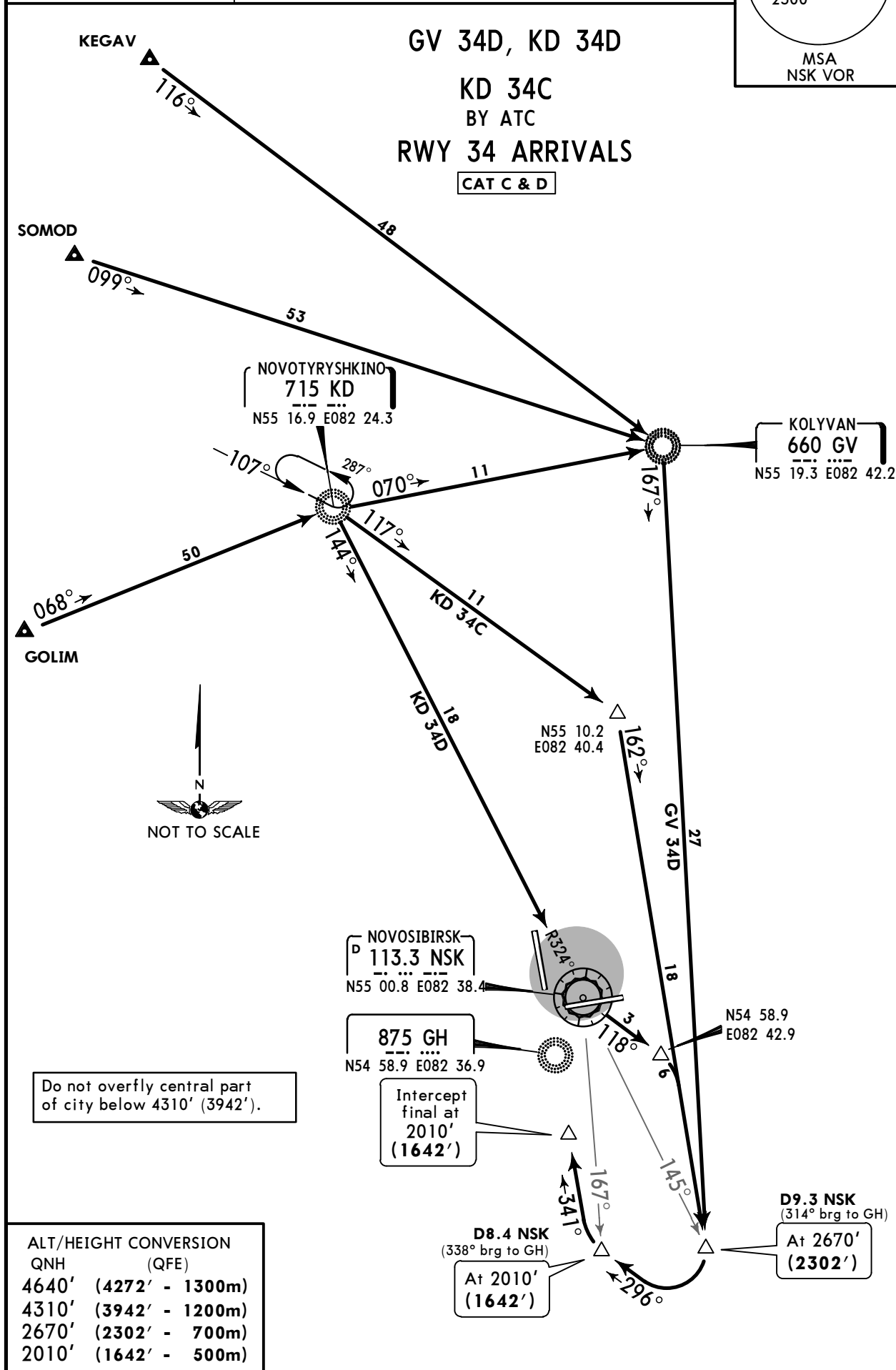
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **(10-2M)** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4) Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4272') DME required.	<p>MSA NSK VOR</p>
---	---	------------------------



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

JEPESEN
14 APR 17 **10-2N** Eff 27 Apr

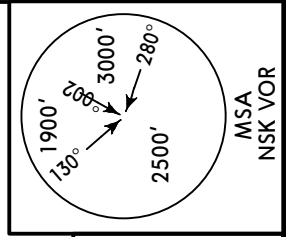
NOVOSIBIRSK, RUSSIA

STAR

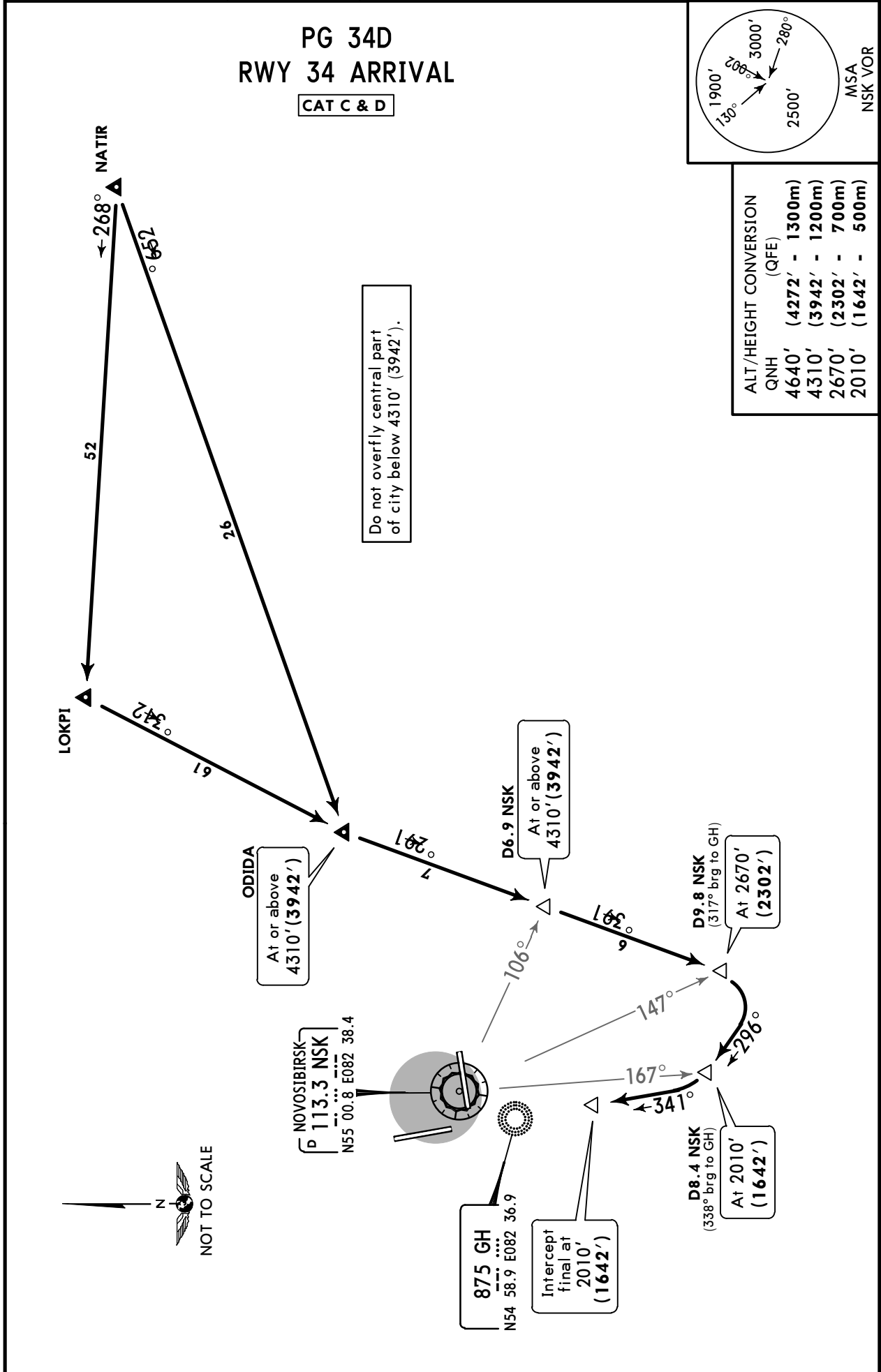
ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4272') DME required.
-------------------------------	------------------	--

PG 34D
RWY 34 ARRIVAL

CAT C & D



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



CHANGES: Requirement established.

UNNT/OVB
TOLMACHEVO

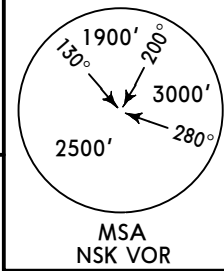
JEPPESEN
14 APR 17 **10-2P** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

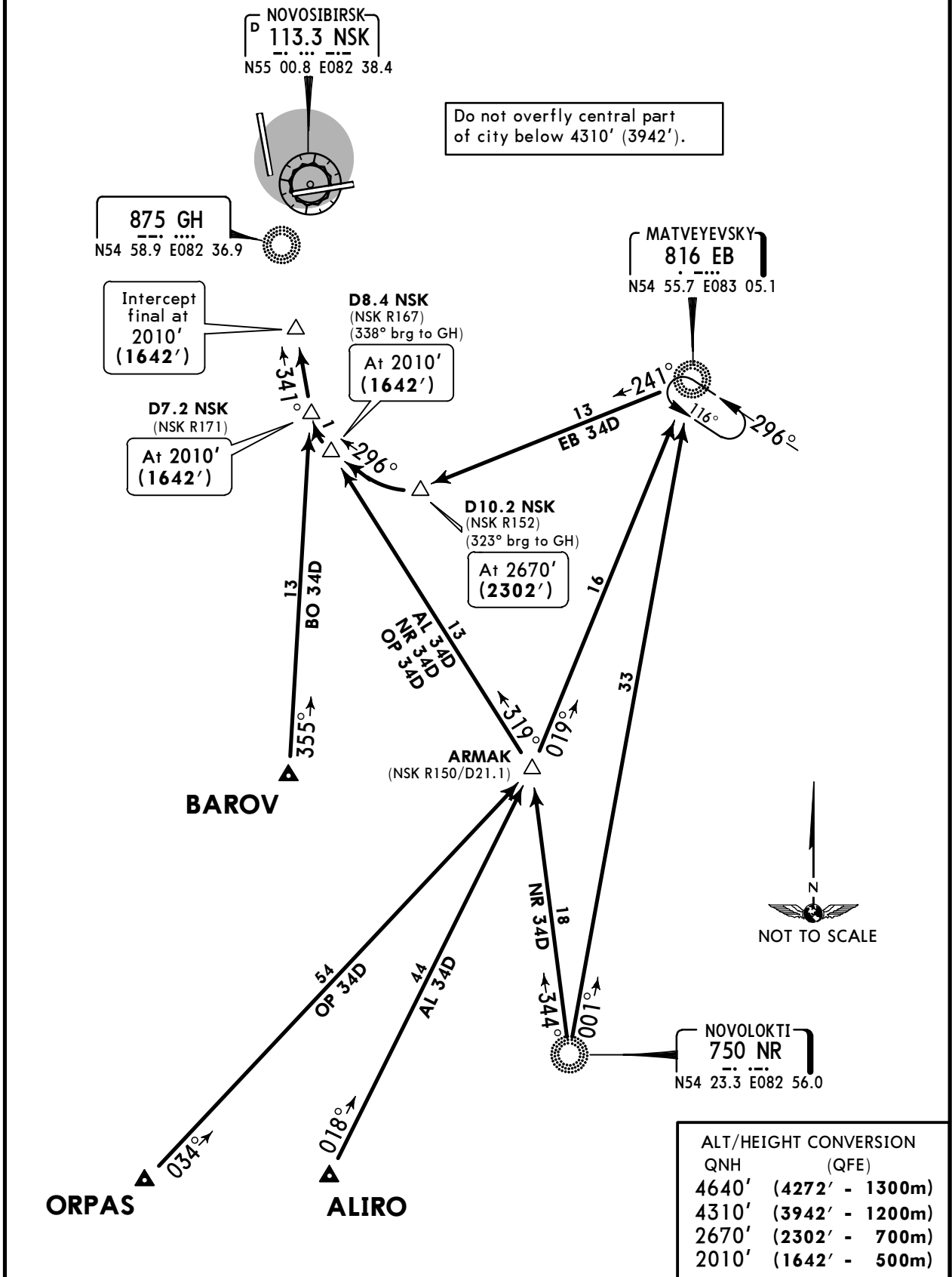
ATIS
131.3 (Russian 127.4)
Apt Elev
367'

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



AL 34D, BO 34D
EB 34D, NR 34D, OP 34D
RWY 34 ARRIVALS

CAT C & D



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

UNNT/OVB
TOLMACHEVO

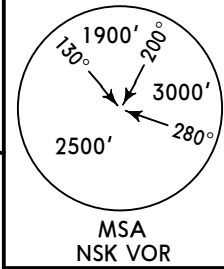
JEPPESEN
14 APR 17 (10-2Q) Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian **127.4**)
Apt Elev
367'

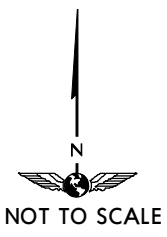
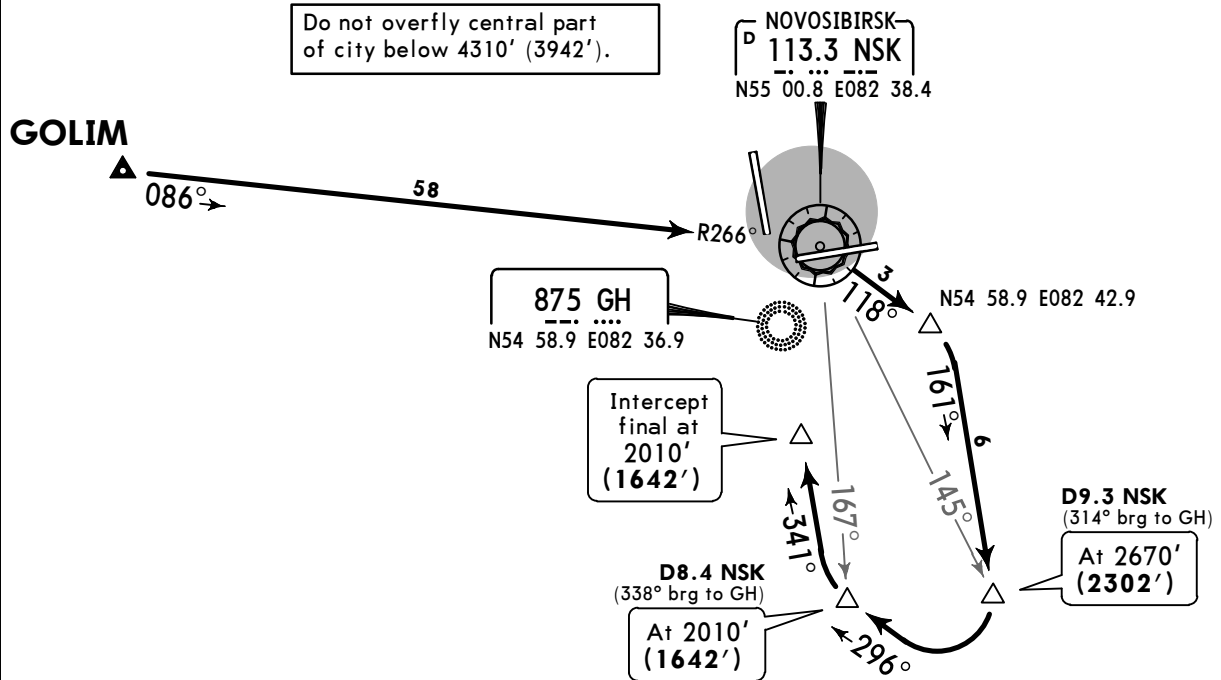
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4272')
DME required.



GL 34D
RWY 34 ARRIVAL

CAT C & D

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)

CHANGES: Requirement established.

UNNT/OVB
TOLMACHEVO

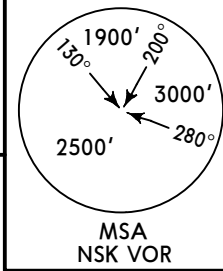
JEPPESEN
14 APR 17 **(10-2S)** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

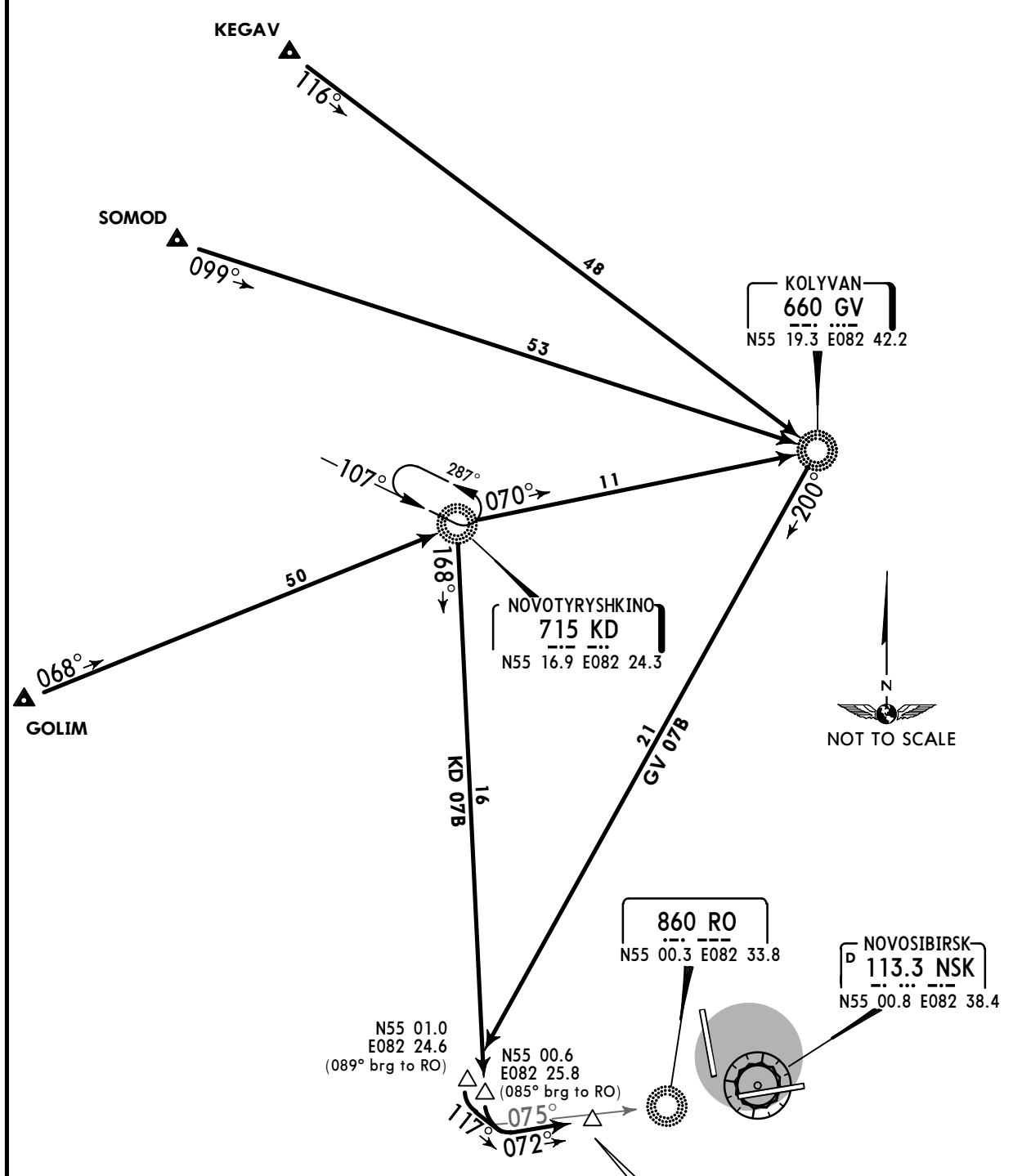
ATIS
131.3 (Russian 127.4)
Apt Elev
367'

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



GV 07B, KD 07B
RWY 07 ARRIVALS

CAT A & B



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

Intercept final at 2010' (1645')

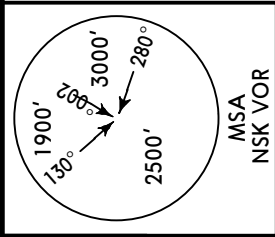
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-2T** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

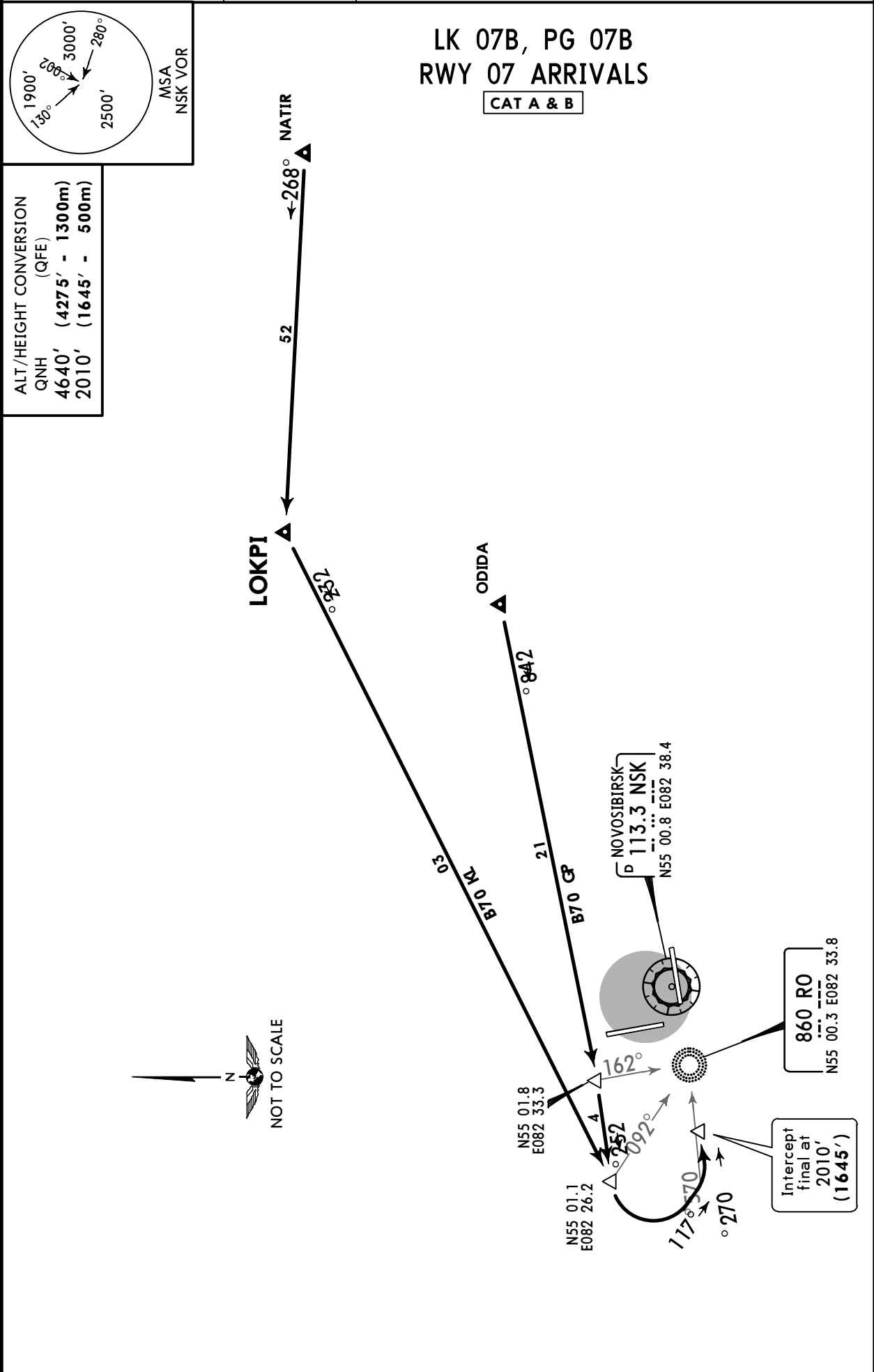
ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4275') DME required.
--------------------------------------	-------------------------	---



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

LK 07B, PG 07B
RWY 07 ARRIVALS

CAT A & B



UNNT/OVB
TOLMACHEVO

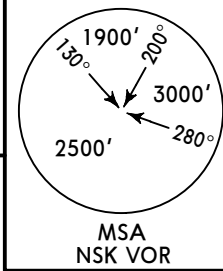
JEPPESEN
14 APR 17 **10-2U** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

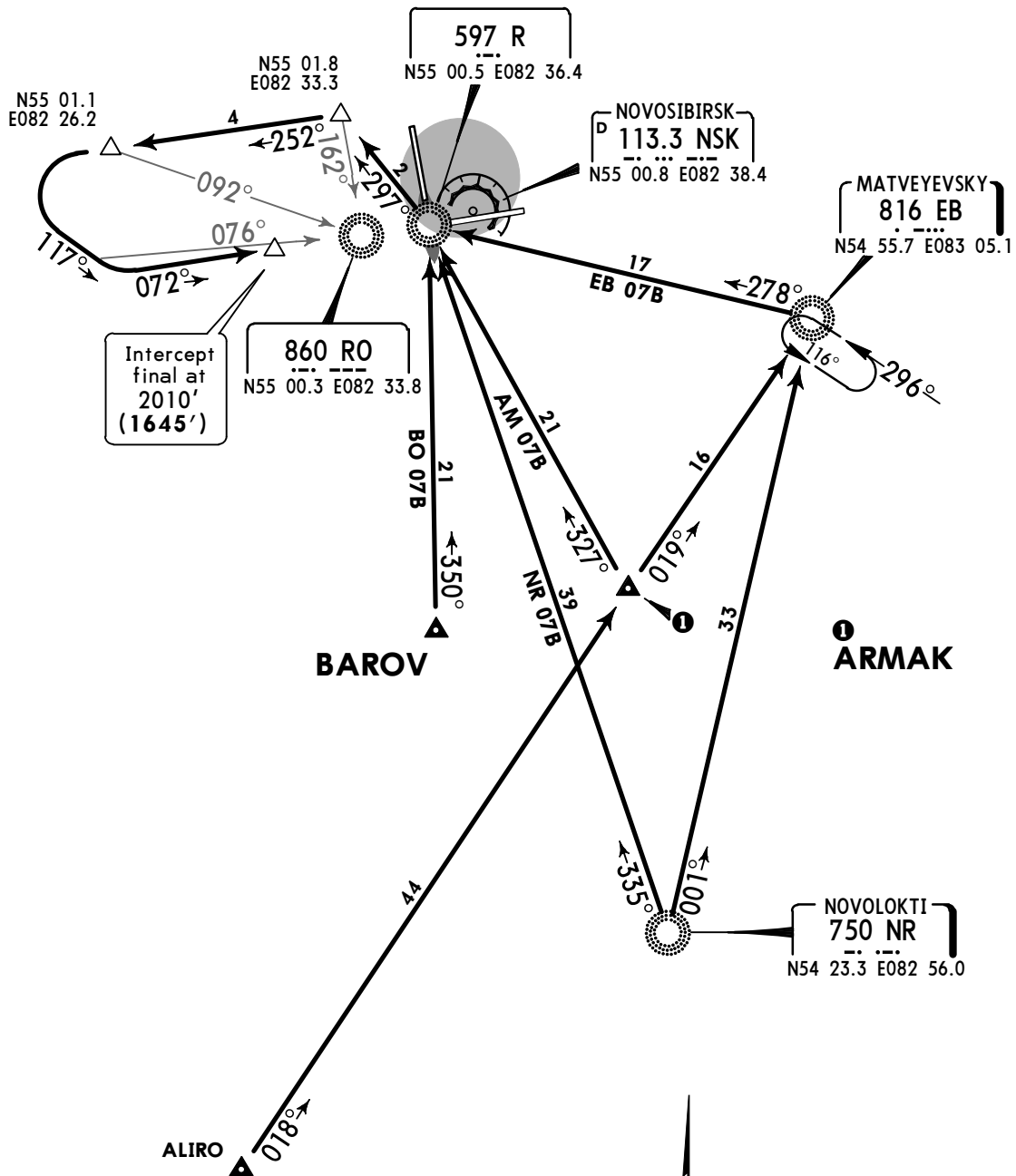
ATIS
131.3 (Russian 127.4)
Apt Elev
367'

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



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

CAT A & B



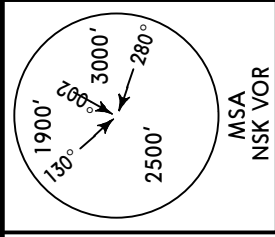
ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4275' - 1300m)
2010'	(1645' - 500m)

UNNT/OVB
TOLMACHEVO

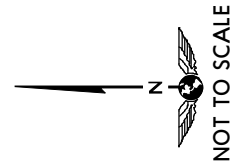
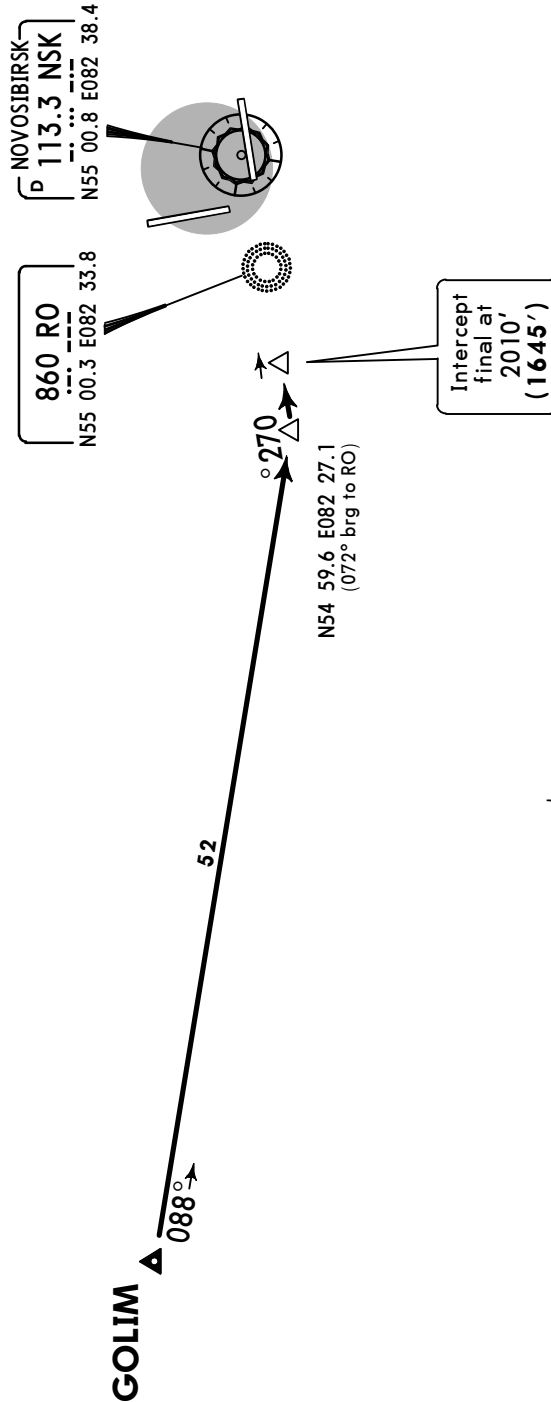
JEPPESEN
14 APR 17 **10-2V** **Eff 27 Apr**

NOVOSIBIRSK, RUSSIA
STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4275') DME required.
--------------------------------------	-------------------------	---



GL 07B
RWY 07 ARRIVAL
CAT A & B



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

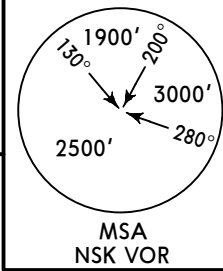
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-2W** Eff 27 Apr

NOVOSIBIRSK, RUSSIA
STAR

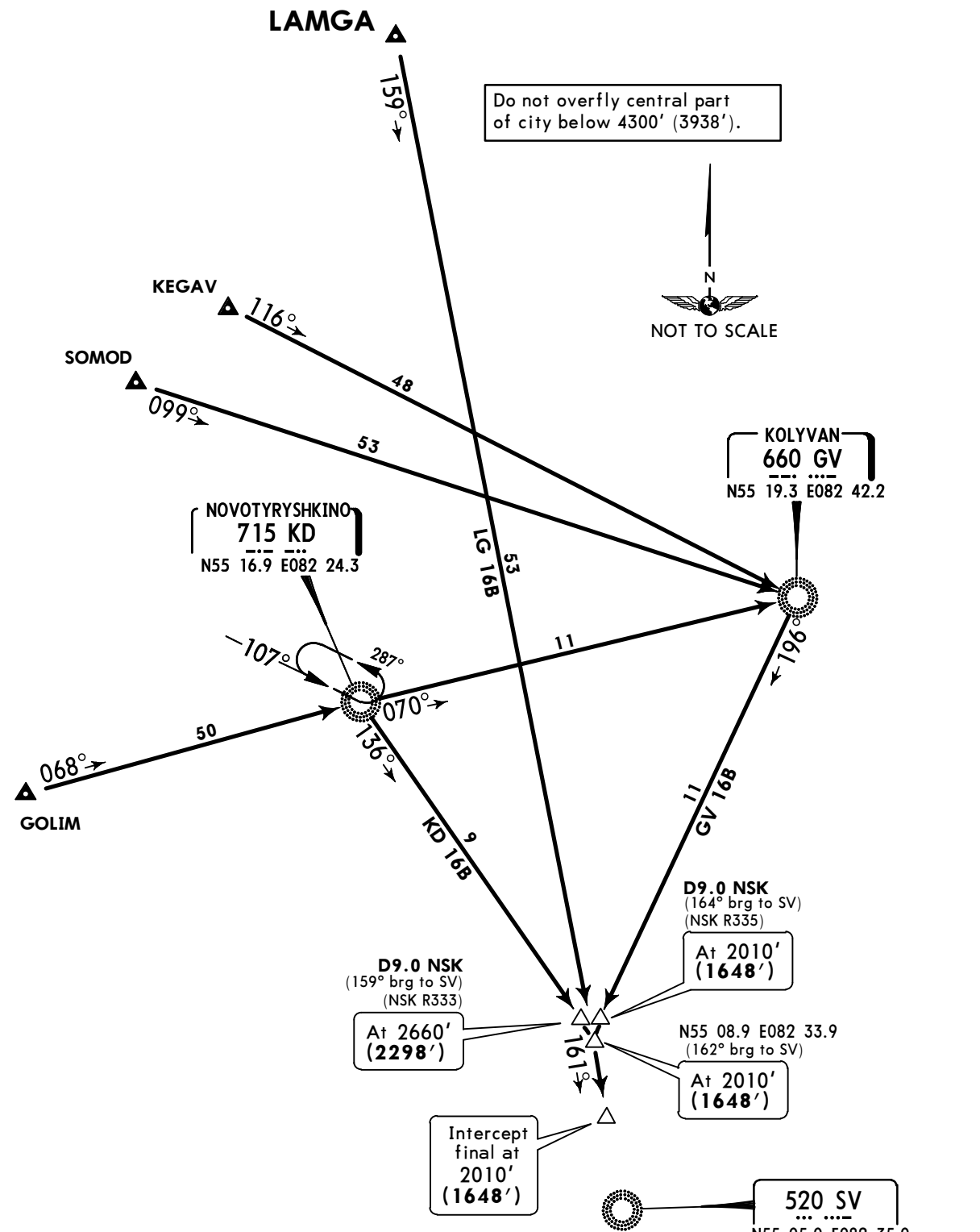
ATIS
131.3 (Russian 127.4)
Apt Elev
367'

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



GV 16B, KD 16B, LG 16B
RWY 16 ARRIVALS

CAT A & B



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

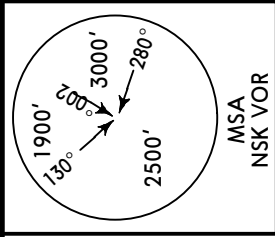
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-2X** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

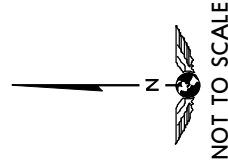
STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4278') DME required.
--------------------------------------	-------------------------	--

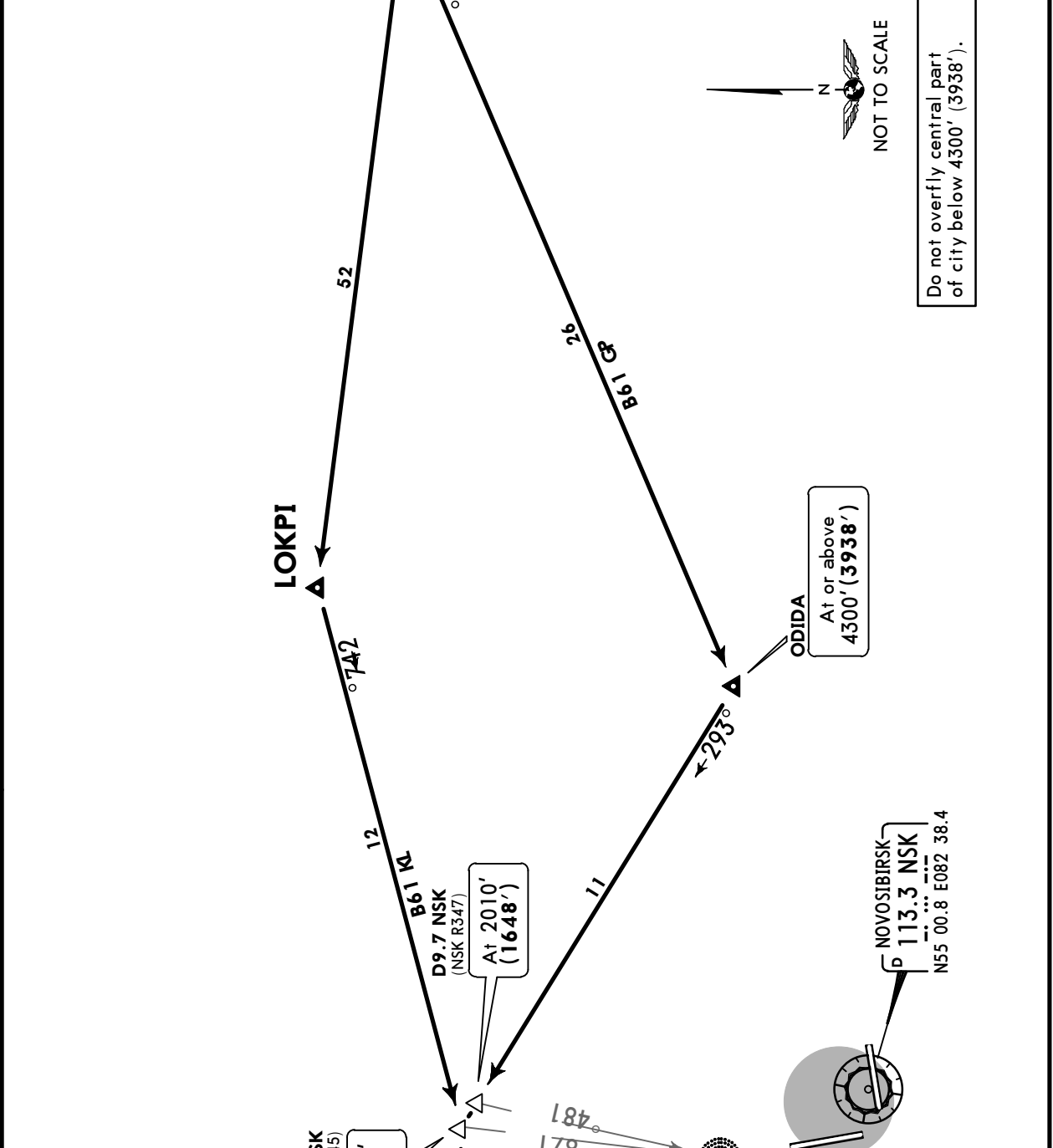


LK 16B, PG 16B
RWY 16 ARRIVALS

CAT A & B



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



ALT/HEIGHT CONVERSION

QNH (QFE)	4278' - 1300m	3938' - 1200m	1648' - 500m
4640'	(4278' - 1300m)	(3938' - 1200m)	2010' (1648' - 500m)

UNNT/OVB
TOLMACHEVO

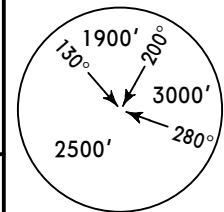
JEPPESEN
14 APR 17 (10-2X1) Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)
Apt Elev
367'

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

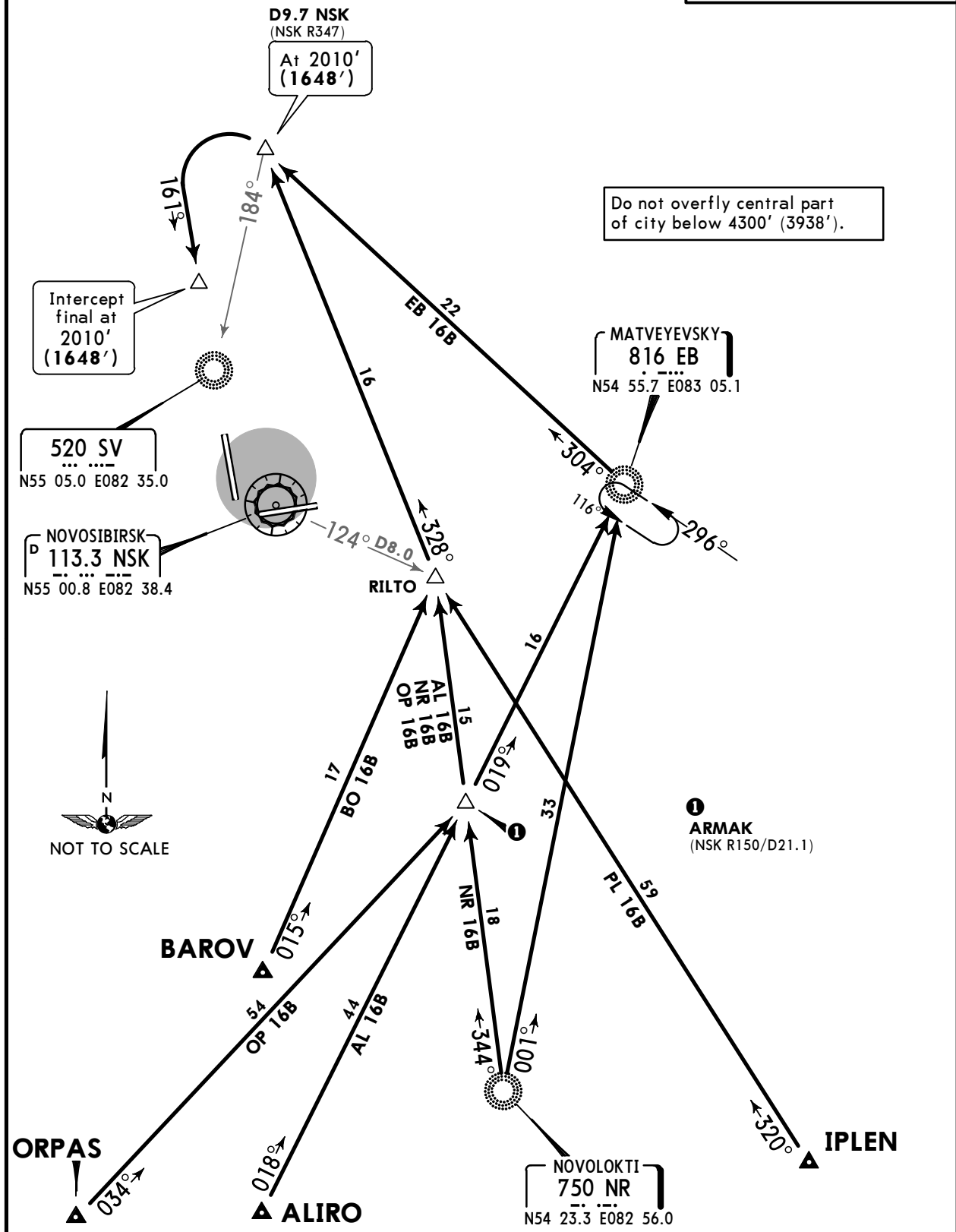


MSA
NSK VOR

AL 16B, BO 16B, EB 16B
NR 16B, OP 16B, PL 16B
RWY 16 ARRIVALS

CAT A & B

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



UNNT/OVB
TOLMACHEVO

JEPPESEN

NOVOSIBIRSK, RUSSIA

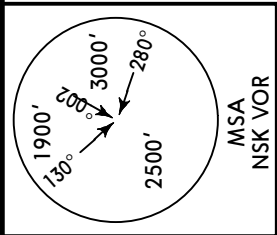
14 APR 17

10-2X2

Eff 27 Apr

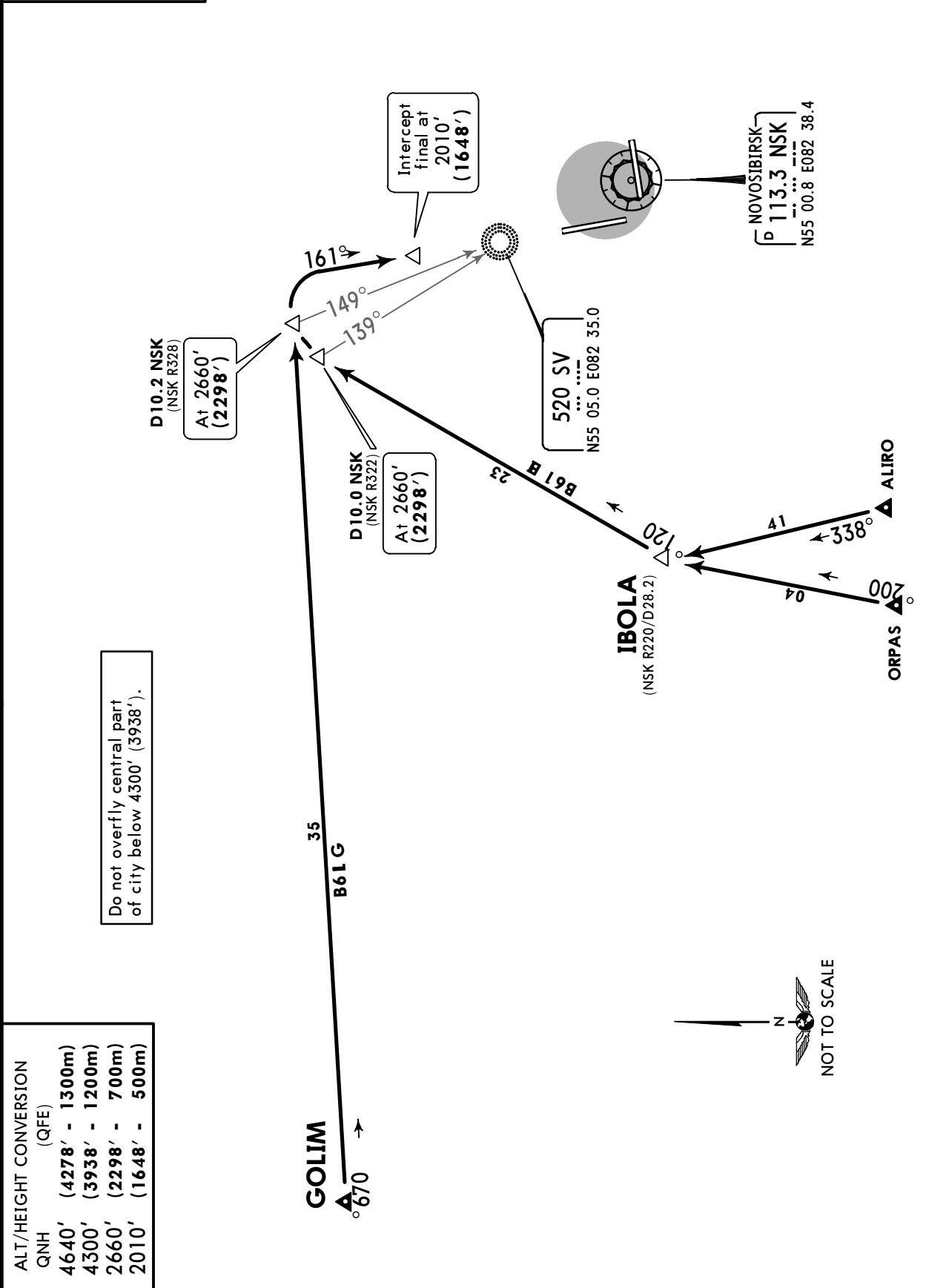
STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4278') DME required.
--------------------------------------	-------------------------	---



GL 16B, IB 16B
RWY 16 ARRIVALS

CAT A & B



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

CHANGES: Requirement established.

© JEPPESEN, 2015, 2017. ALL RIGHTS RESERVED.

UNNT/OVB
TOLMACHEVO

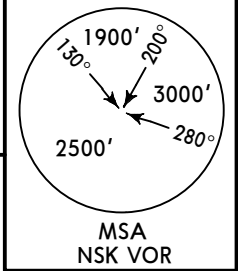
JEPPESEN
14 APR 17 **10-2X3** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)
Apt Elev
367'

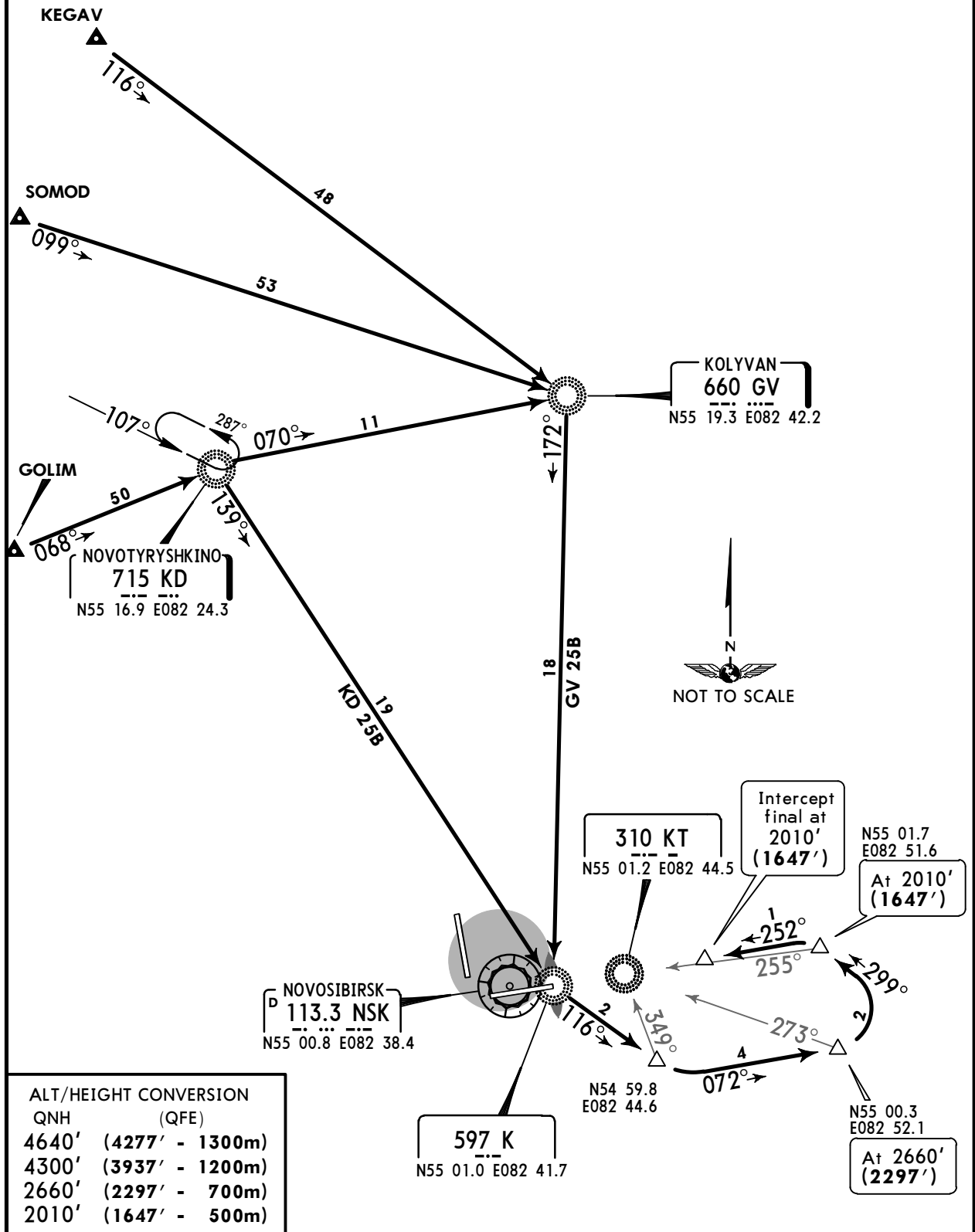
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4277')
DME required.



GV 25B, KD 25B
RWY 25 ARRIVALS

CAT A & 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)

CHANGES: Requirement established.

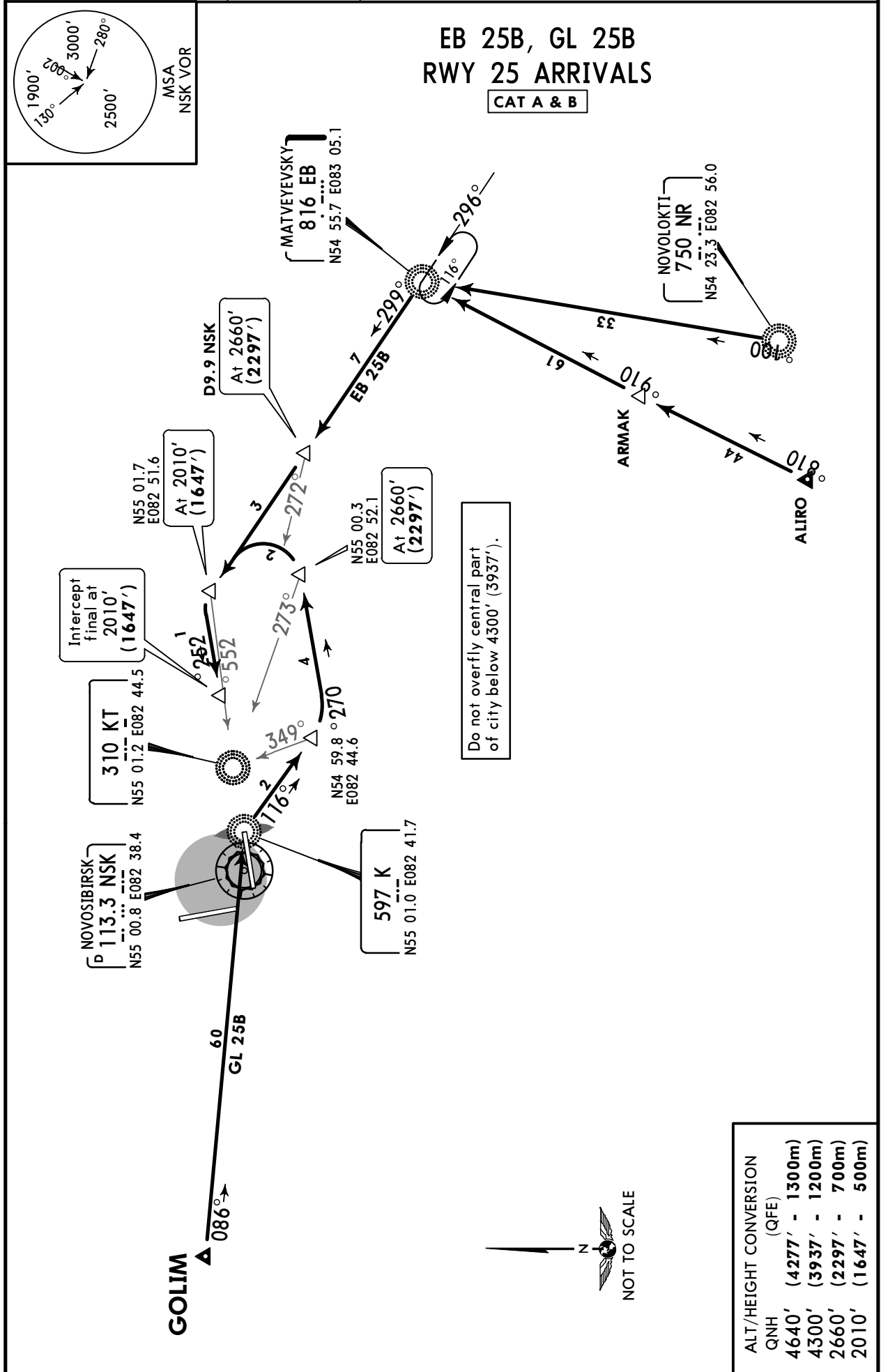
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-2X4** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4277') DME required.
--------------------------------------	-------------------------	---



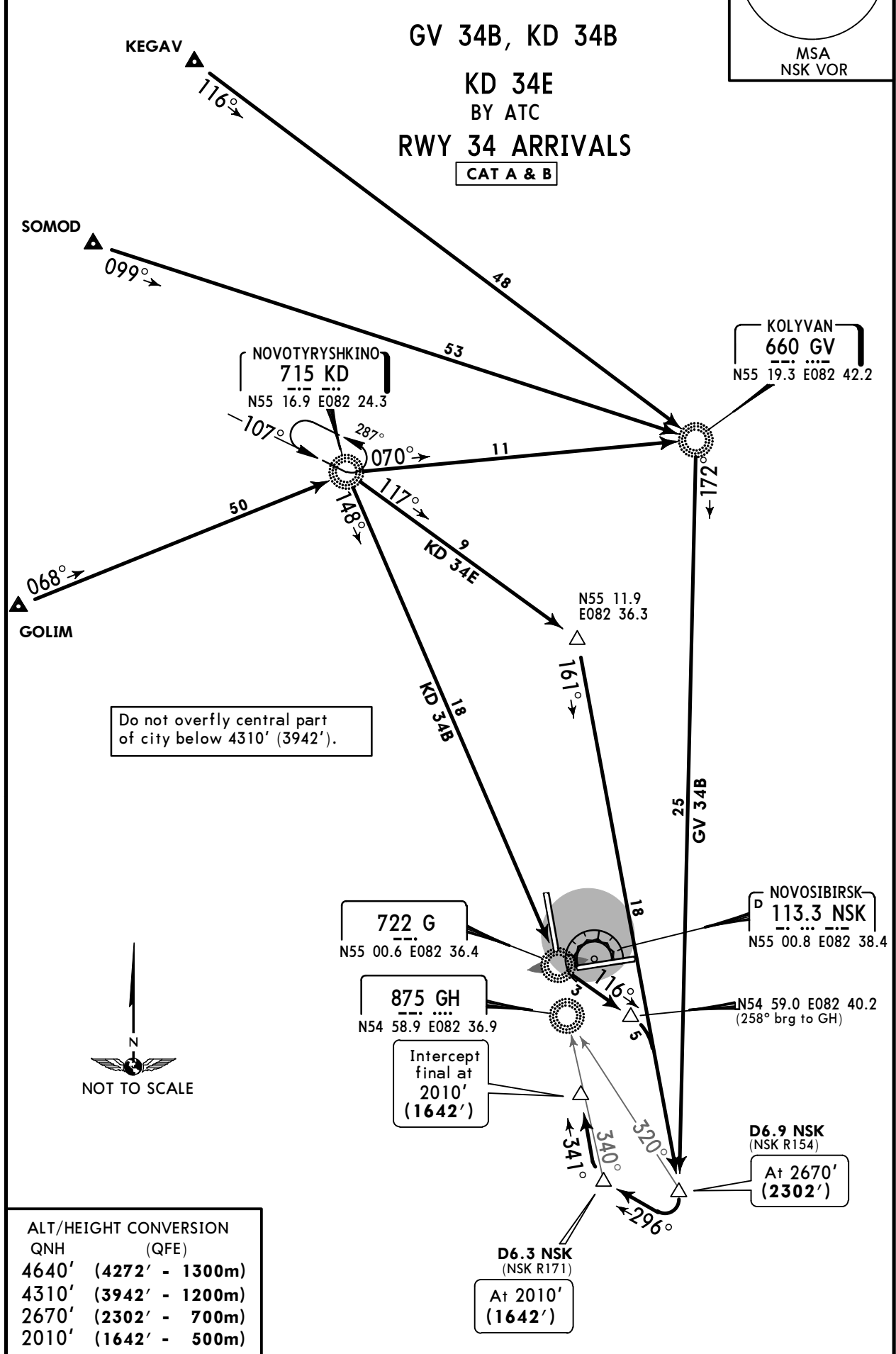
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **(10-2X5)** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4)	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4272') DME required.	<p>MSA NSK VOR</p>
Apt Elev 367'		



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

CHANGES: Requirement established.

© JEPPESEN, 2015, 2017. ALL RIGHTS RESERVED.

UNNT/OVB
TOLMACHEVO

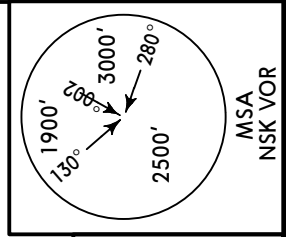
JEPPESEN
14 APR 17 (10-2X6) Eff 27 Apr

NOVOSIBIRSK, RUSSIA

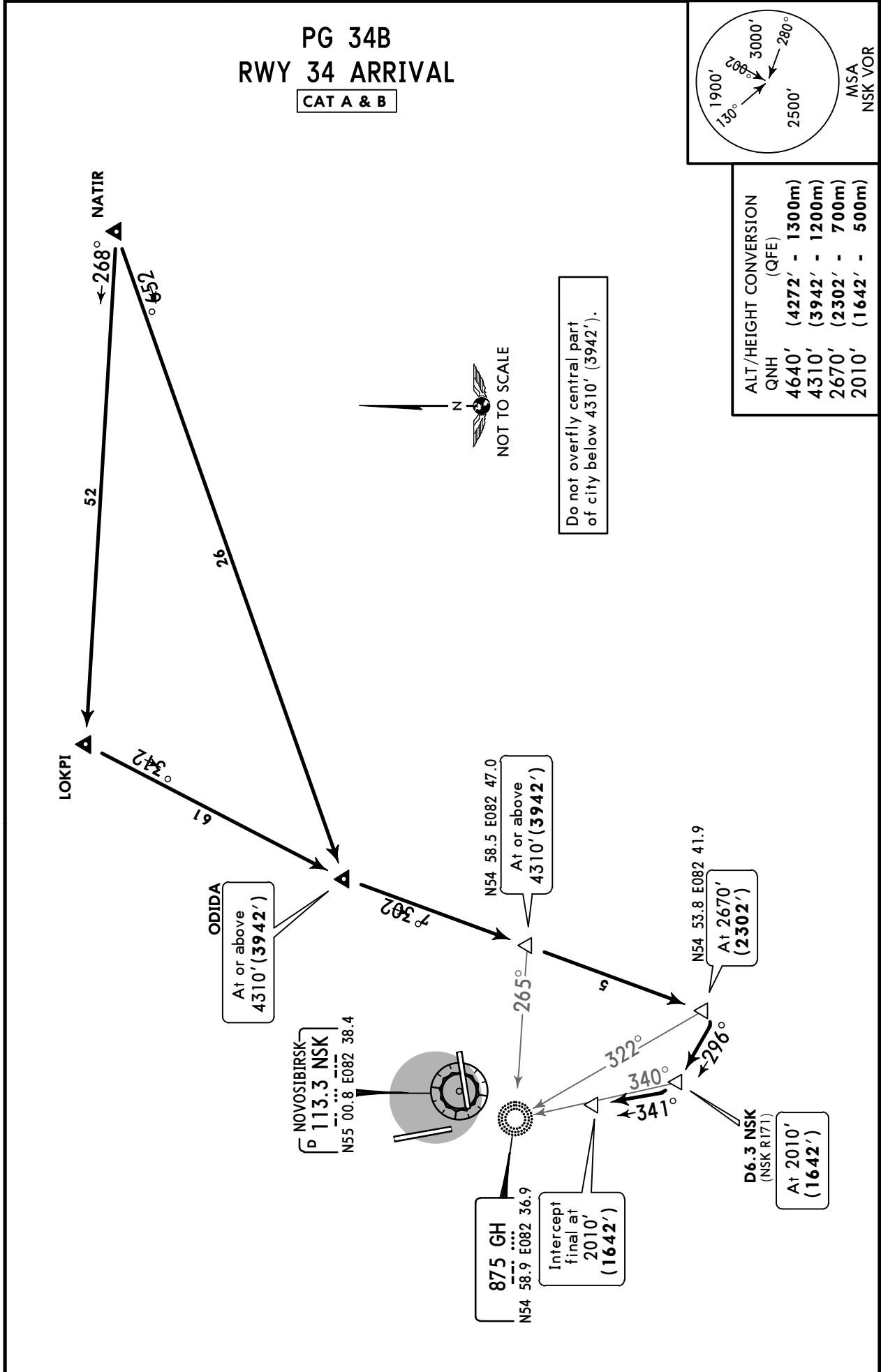
STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 367'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4272') DME required.
-------------------------------	------------------	--

PG 34B
RWY 34 ARRIVAL
CAT A & B



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



CHANGES: Requirement established.

UNNT/OVB
TOLMACHEVO

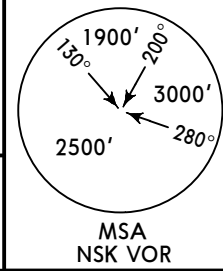
JEPPESEN
14 APR 17 **(10-2X7)** **Eff 27 Apr**

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)
Apt Elev
367'

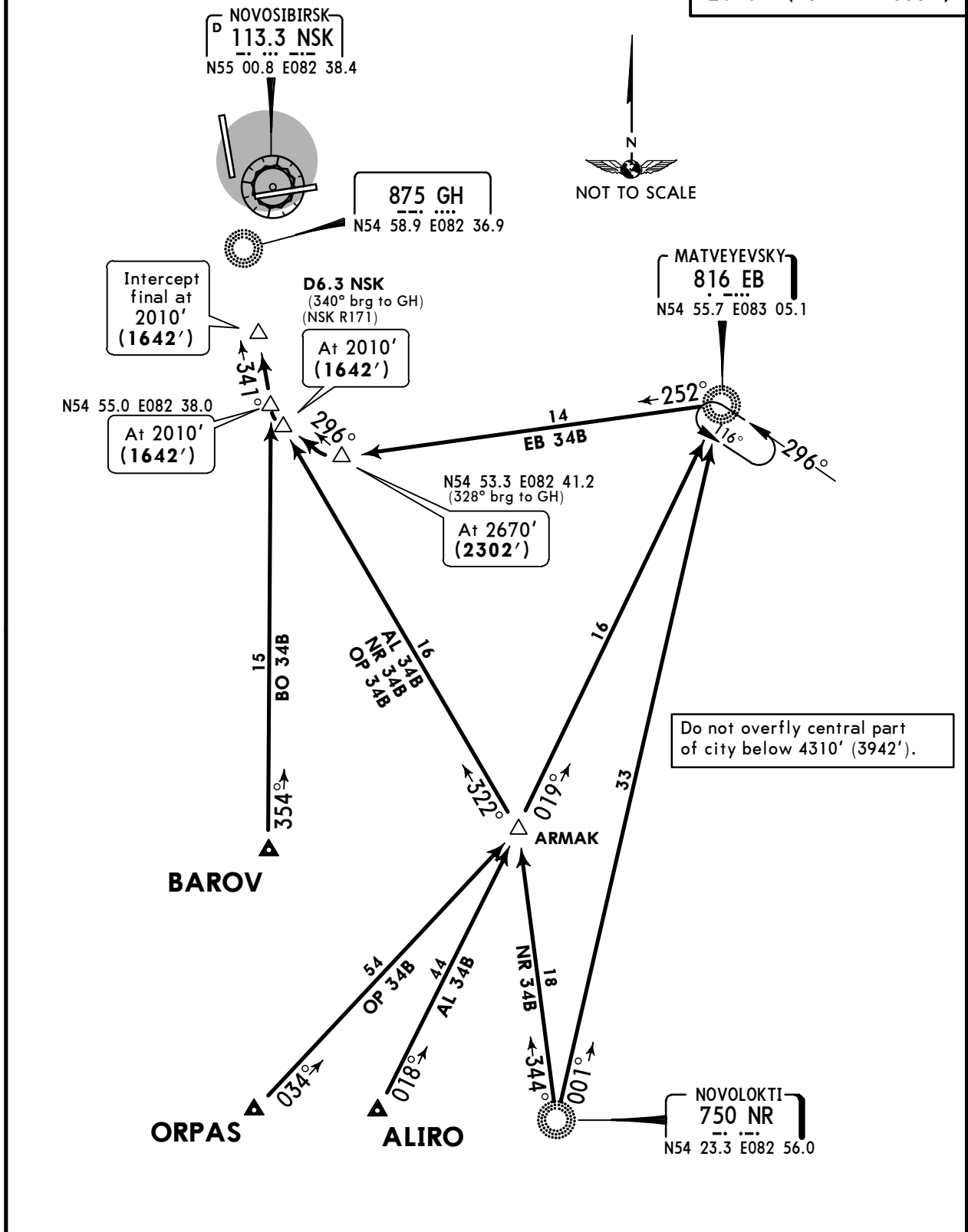
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4272')
DME required.



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

CAT A & B

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



CHANGES: Requirement established.

UNNT/OVB
TOLMACHEVO

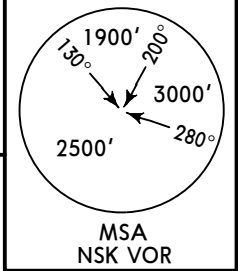
JEPPESEN
14 APR 17 (10-2X8) Eff 27 Apr

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)
Apt Elev
367'

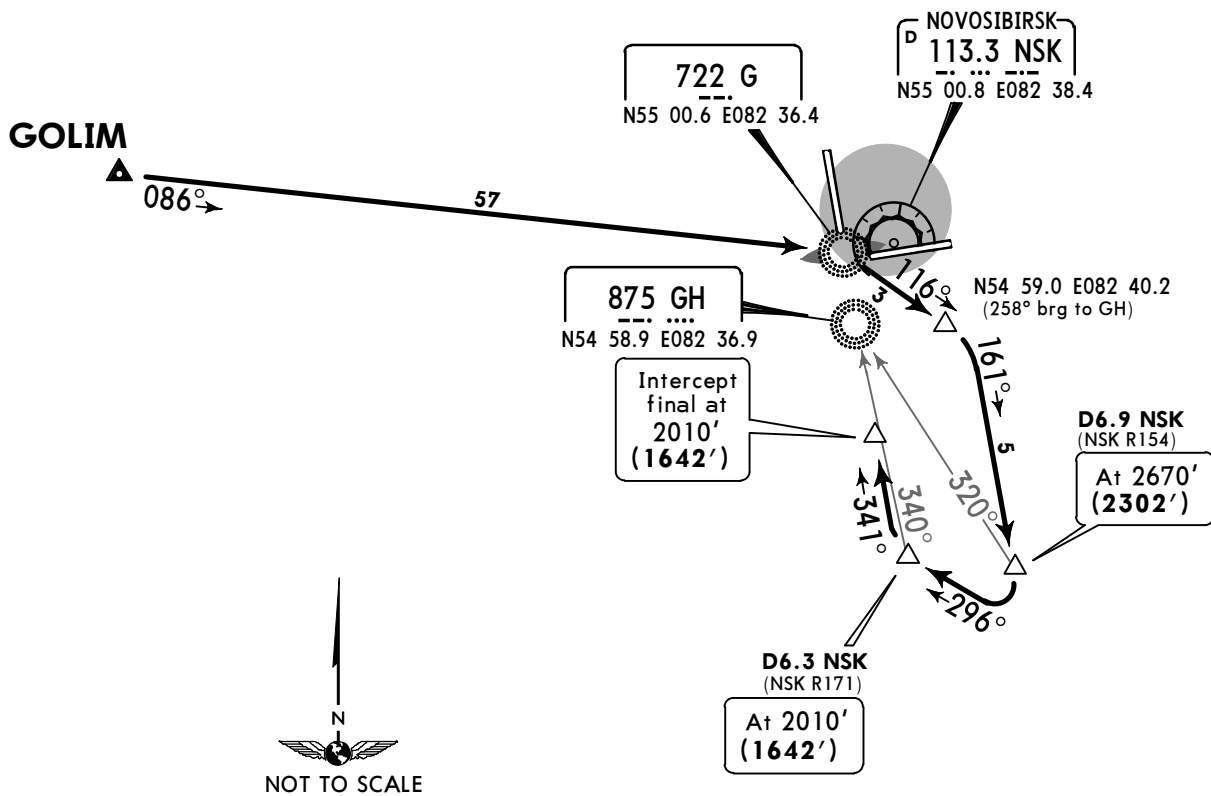
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4272')
DME required.



GL 34B
RWY 34 ARRIVAL

CAT A & 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

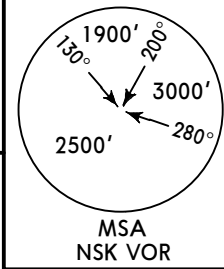
JEPPESEN
14 APR 17 10-3 Eff 27 Apr

NOVOSIBIRSK, RUSSIA

SID

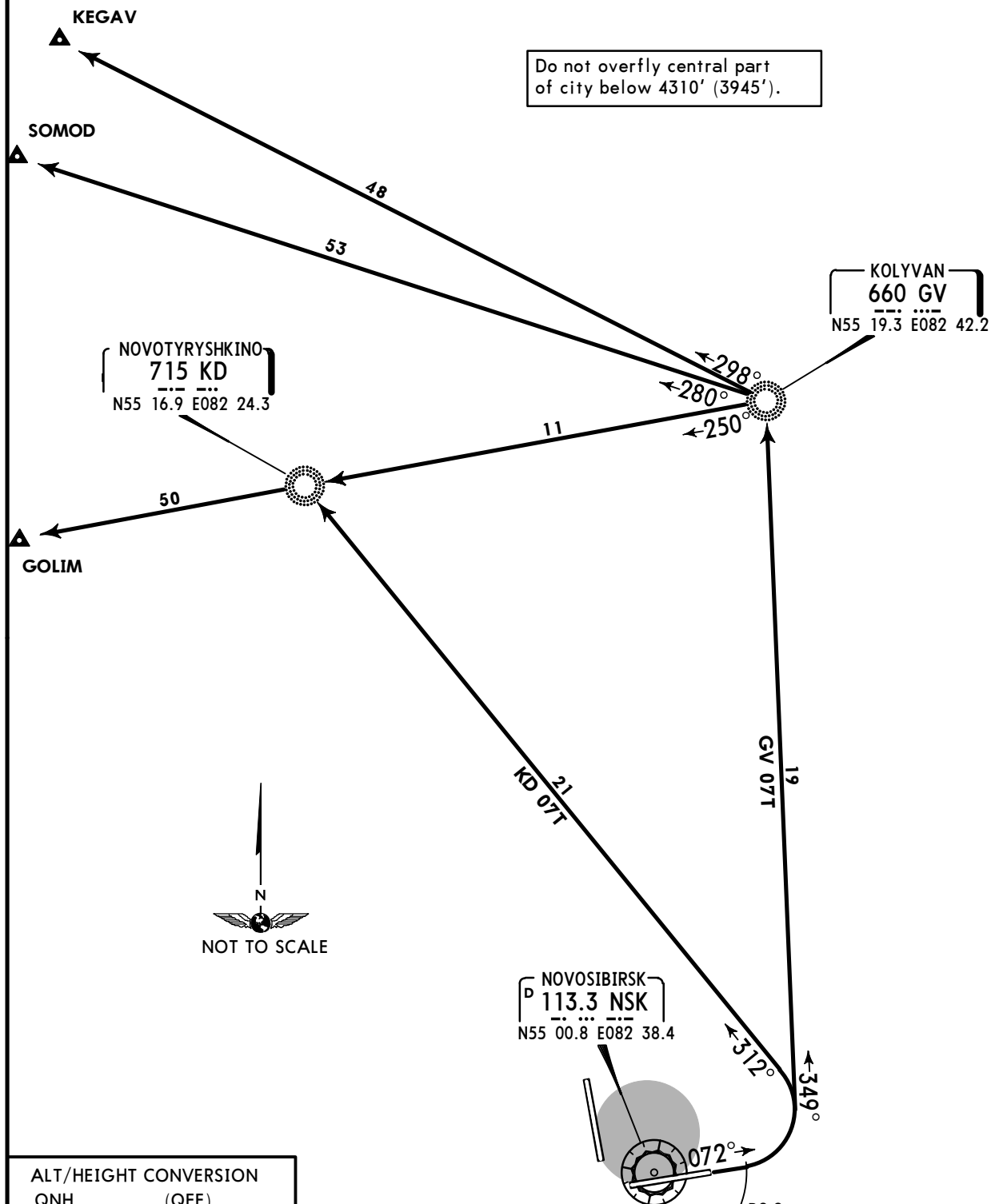
Apt Elev
367'

QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4275')
1. DME required.
2. 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)

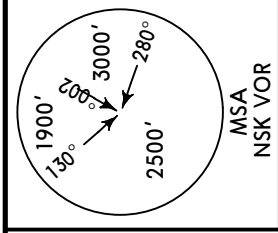
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 (10-3A) Eff 27 Apr

NOVOSIBIRSK, RUSSIA

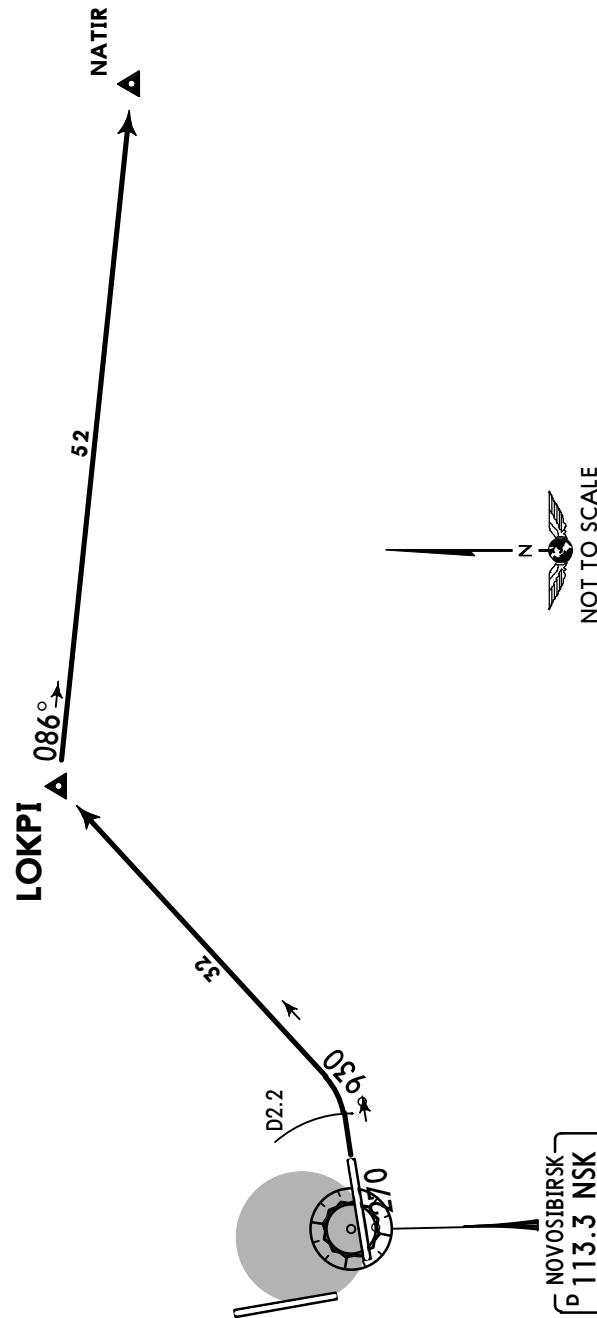
SID

Apt Elev 367'	QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4275') 1. DME required. 2. Take-off shall be carried out with noise abatement procedures according to Flight Operation Manual.
-------------------------	---



LK 07T
RWY 07 DEPARTURE

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



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

NOVOSIBIRSK
M 113.3 NSK
N55 00.8 E082 38.4

UNNT/OVB
TOLMACHEVO

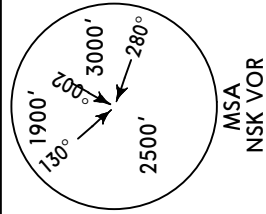
JEPPESEN
14 APR 17 **10-3B** Eff 27 Apr

NOVOSIBIRSK, RUSSIA

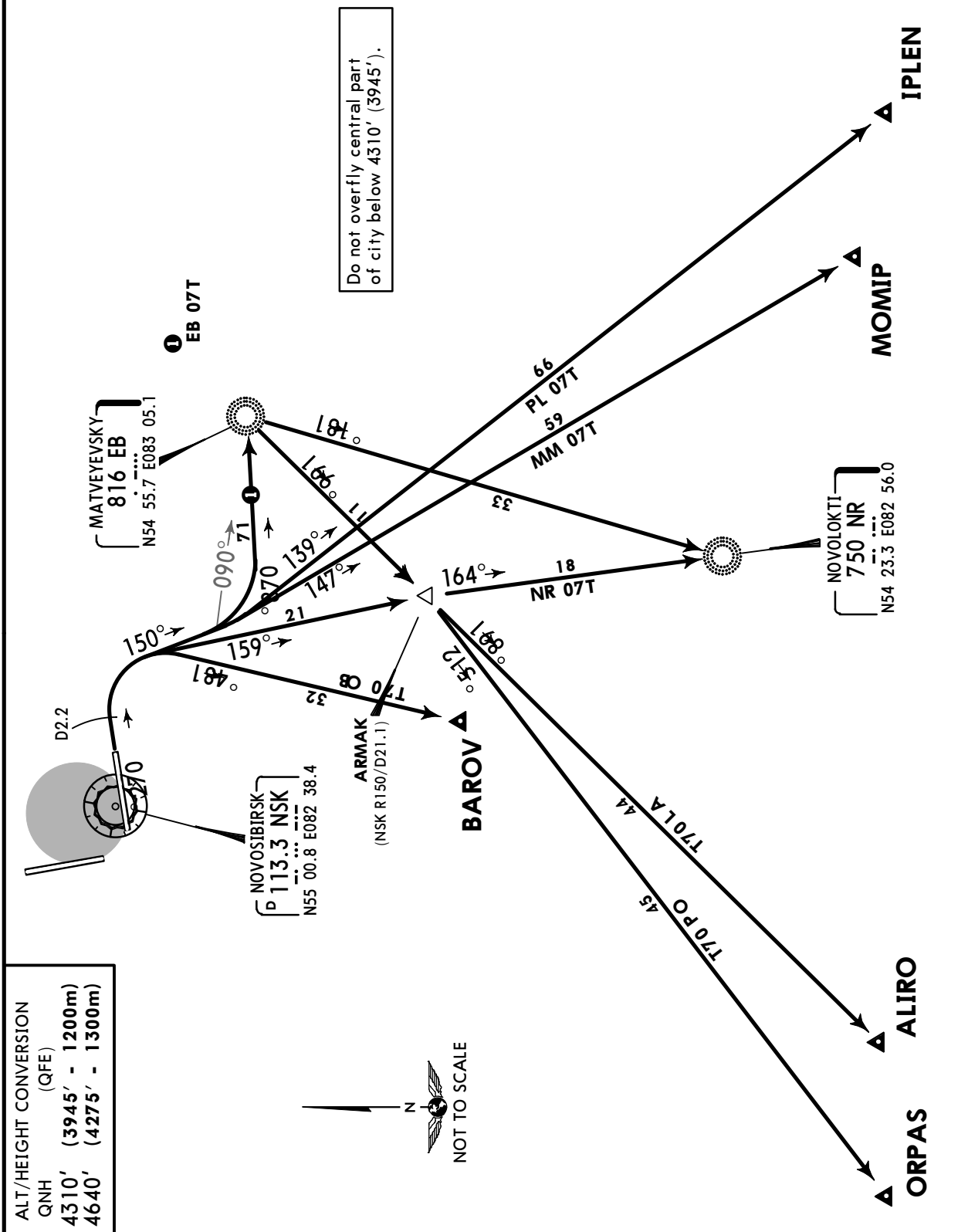
SID

Apt Elev
367'

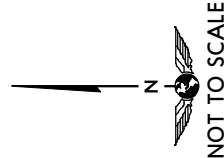
QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4275')
1. **DME required.**
2. Take-off shall be carried out with noise abatement procedures according to Flight Operation Manual.



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



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



UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-3C** Eff 27 Apr

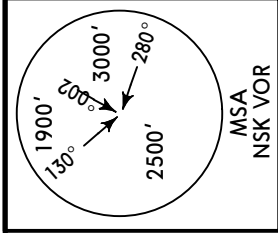
NOVOSIBIRSK, RUSSIA

SID

Apt Elev **367'**

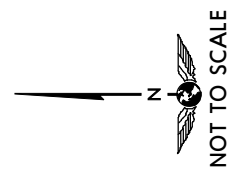
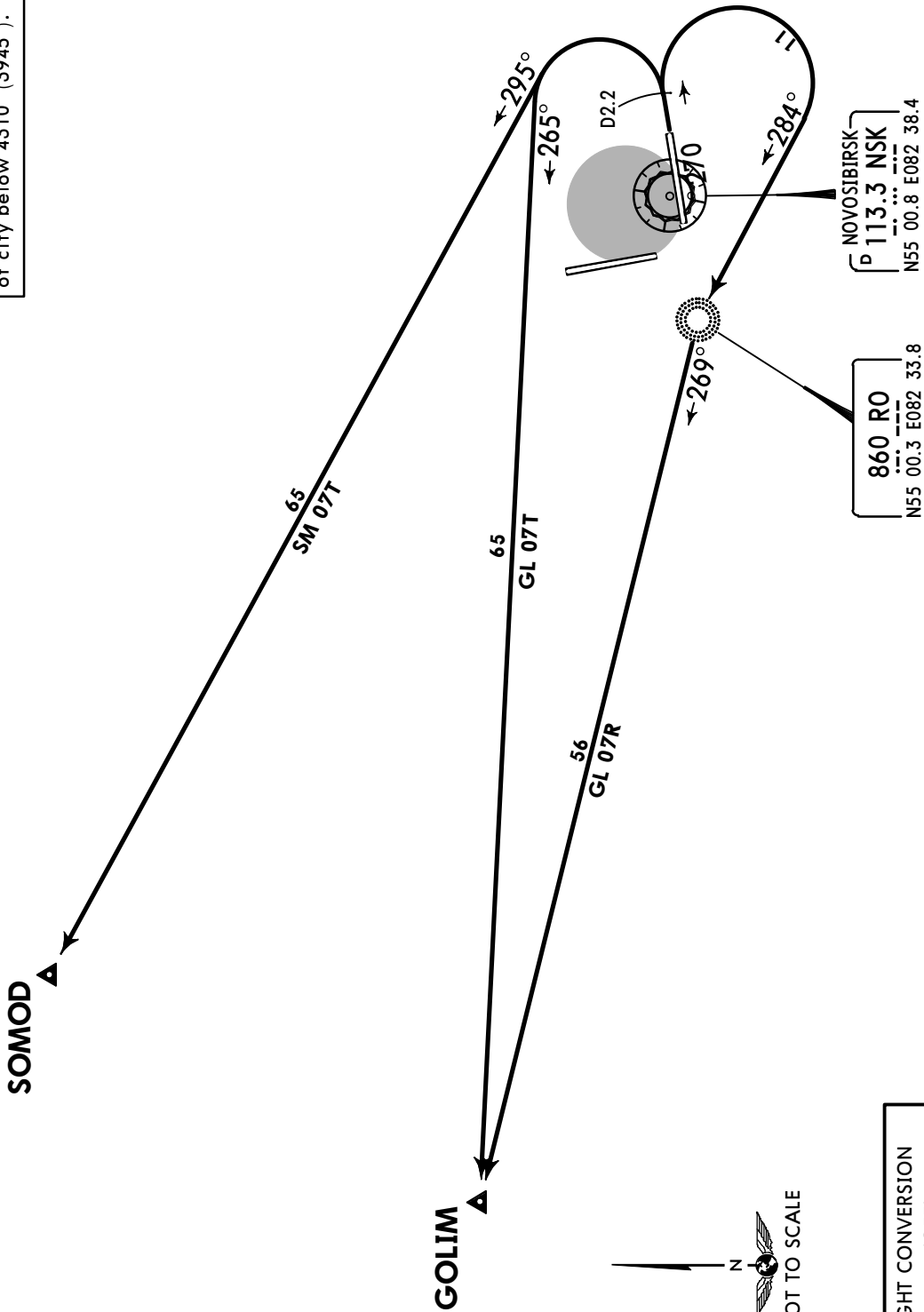
QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4275')

1. **DME required.**
2. Take-off shall be carried out with noise abatement procedures according to Flight Operation Manual.



GL 07R, GL 07T, SM 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

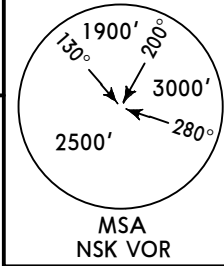
JEPPESEN
14 APR 17 10-3D Eff 27 Apr

NOVOSIBIRSK, RUSSIA

SID

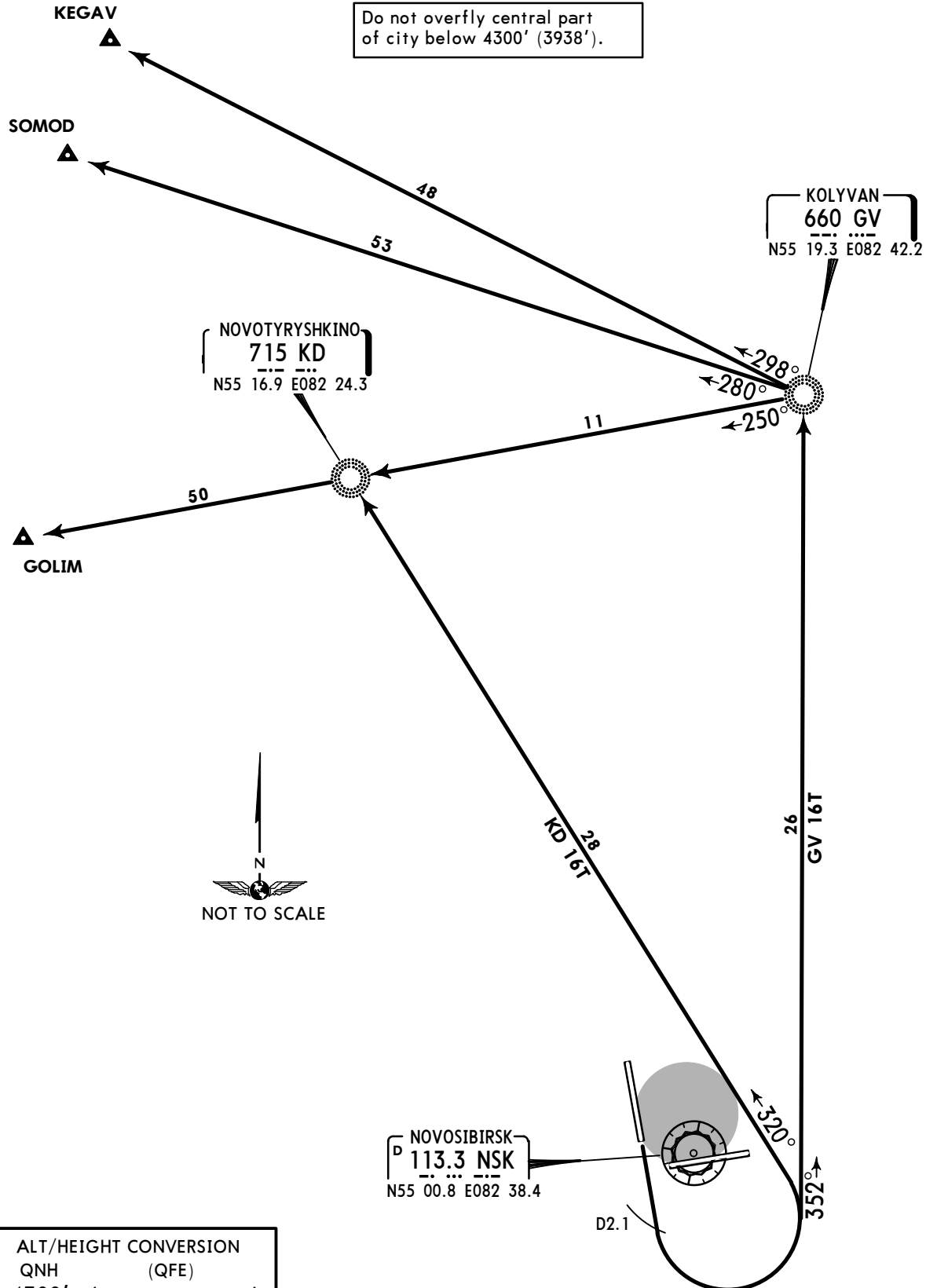
Apt Elev
367'

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



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)

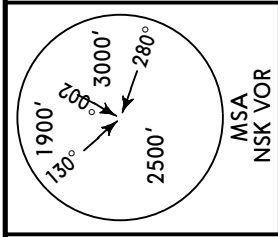
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 (10-3E) Eff 27 Apr

NOVOSIBIRSK, RUSSIA

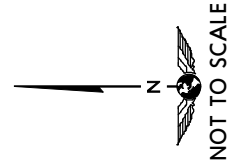
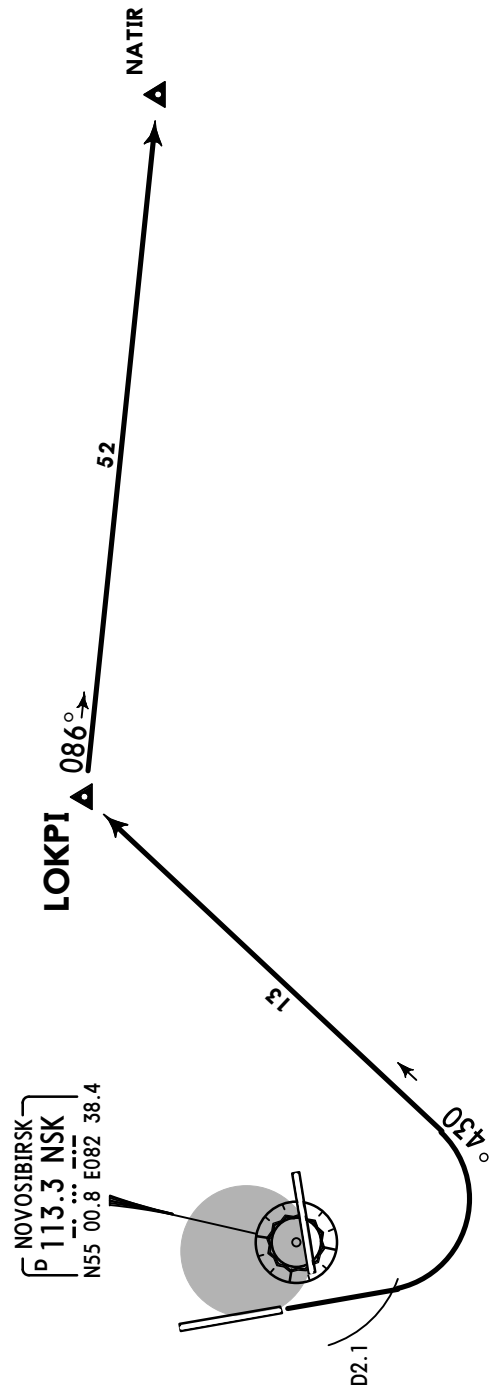
SID

Apt Elev 367'	QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4278') DME required.
-------------------------	--



LK 16T
RWY 16 DEPARTURE

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

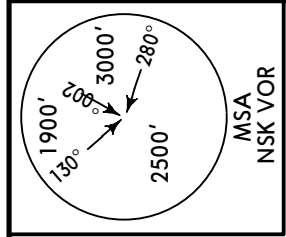


NOVOSIBIRSK
D 113.3 NSK
N55 00.8 E082 38.4

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

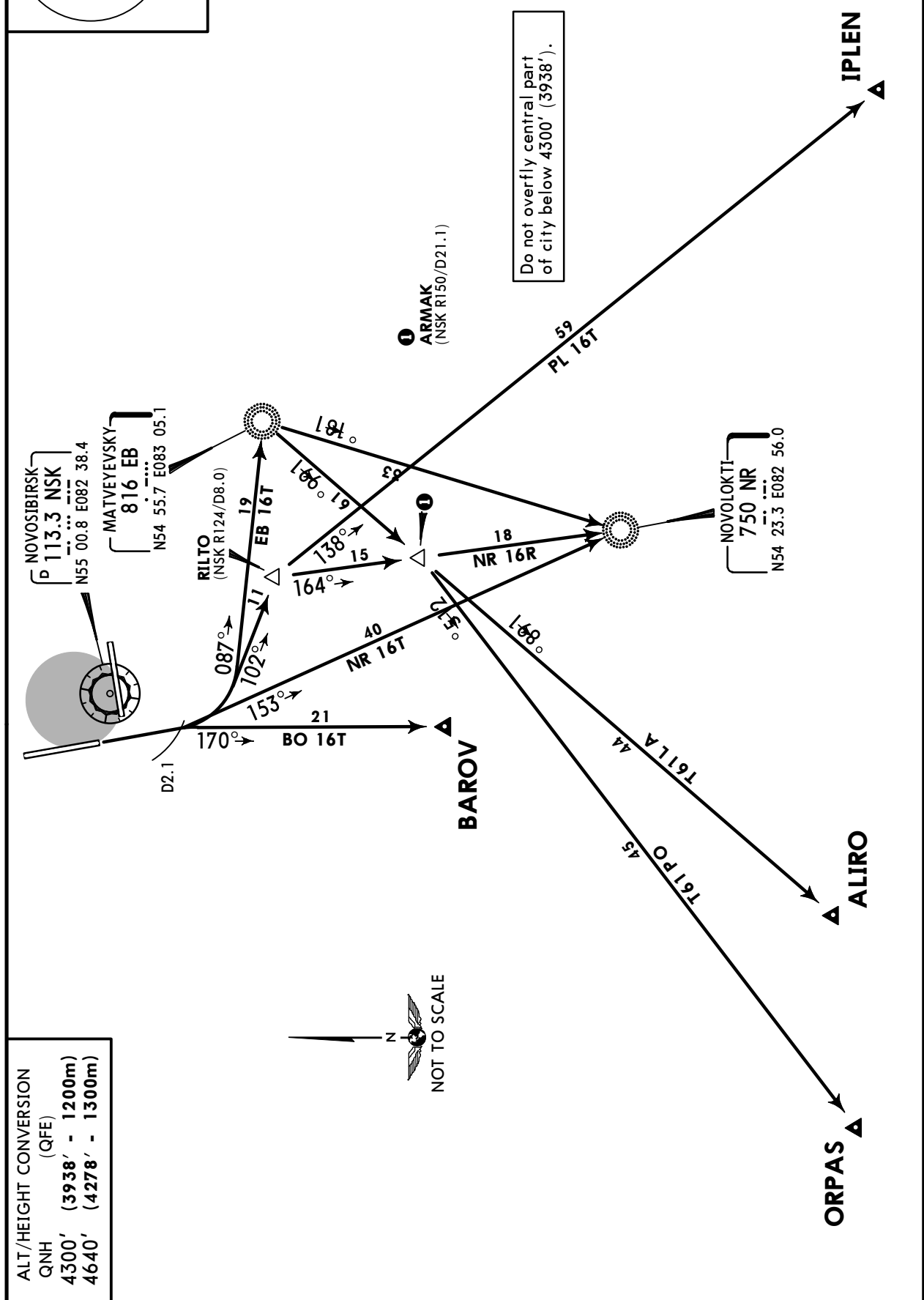
UNNT/OVB
TOLMACHEVO

Apt Elev 367'	QNH on request (QFE) Trans level: FL60 Trans alt: 4640' (4278') DME required.
------------------	---

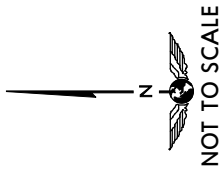


AL 16T, BO 16T, EB 16T
 NR 16R, NR 16T, OP 16T, PL 16T
 RWY 16 DEPARTURES

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



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

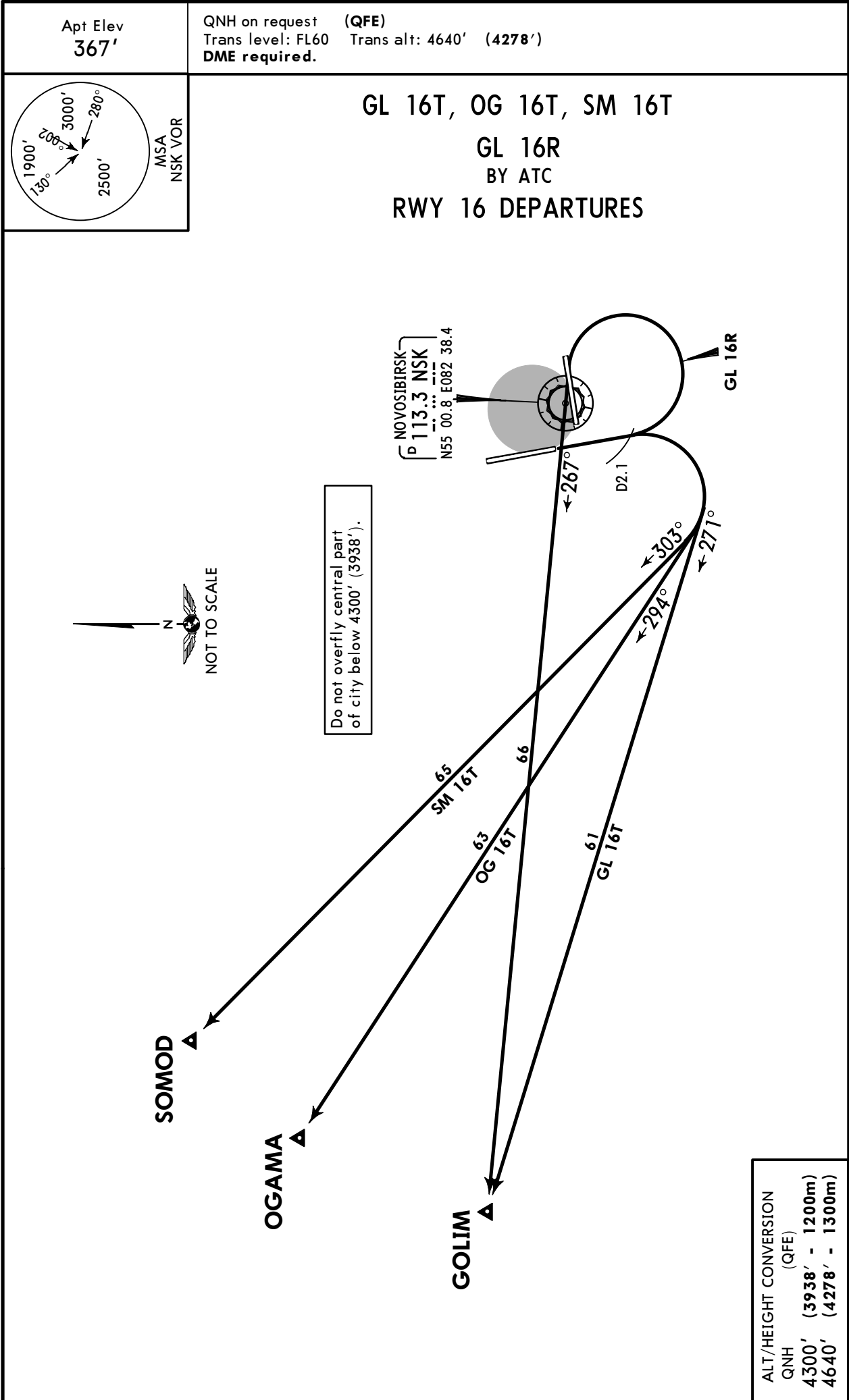


UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 10-3G Eff 27 Apr

NOVOSIBIRSK, RUSSIA

SID



UNNT/OVB
TOLMACHEVO

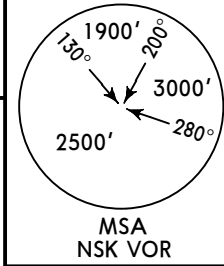
JEPPESEN
14 APR 17 10-3H Eff 27 Apr

NOVOSIBIRSK, RUSSIA

SID

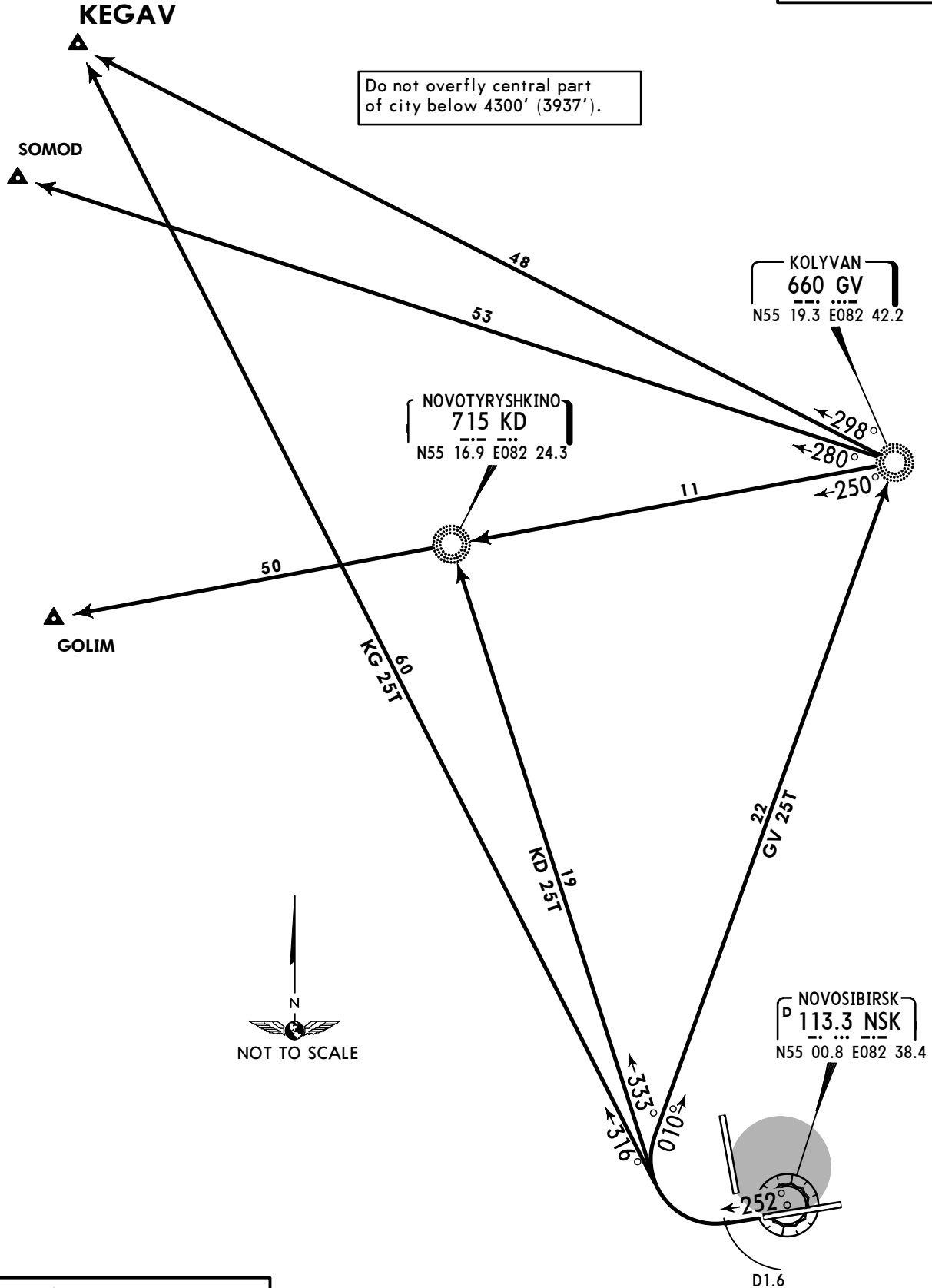
Apt Elev
367'

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



GV 25T, KD 25T, KG 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

NOVOSIBIRSK, RUSSIA

14 APR 17

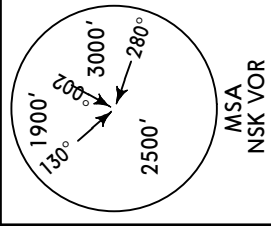
10-3J

Eff 27 Apr

SID

Apt Elev
367'

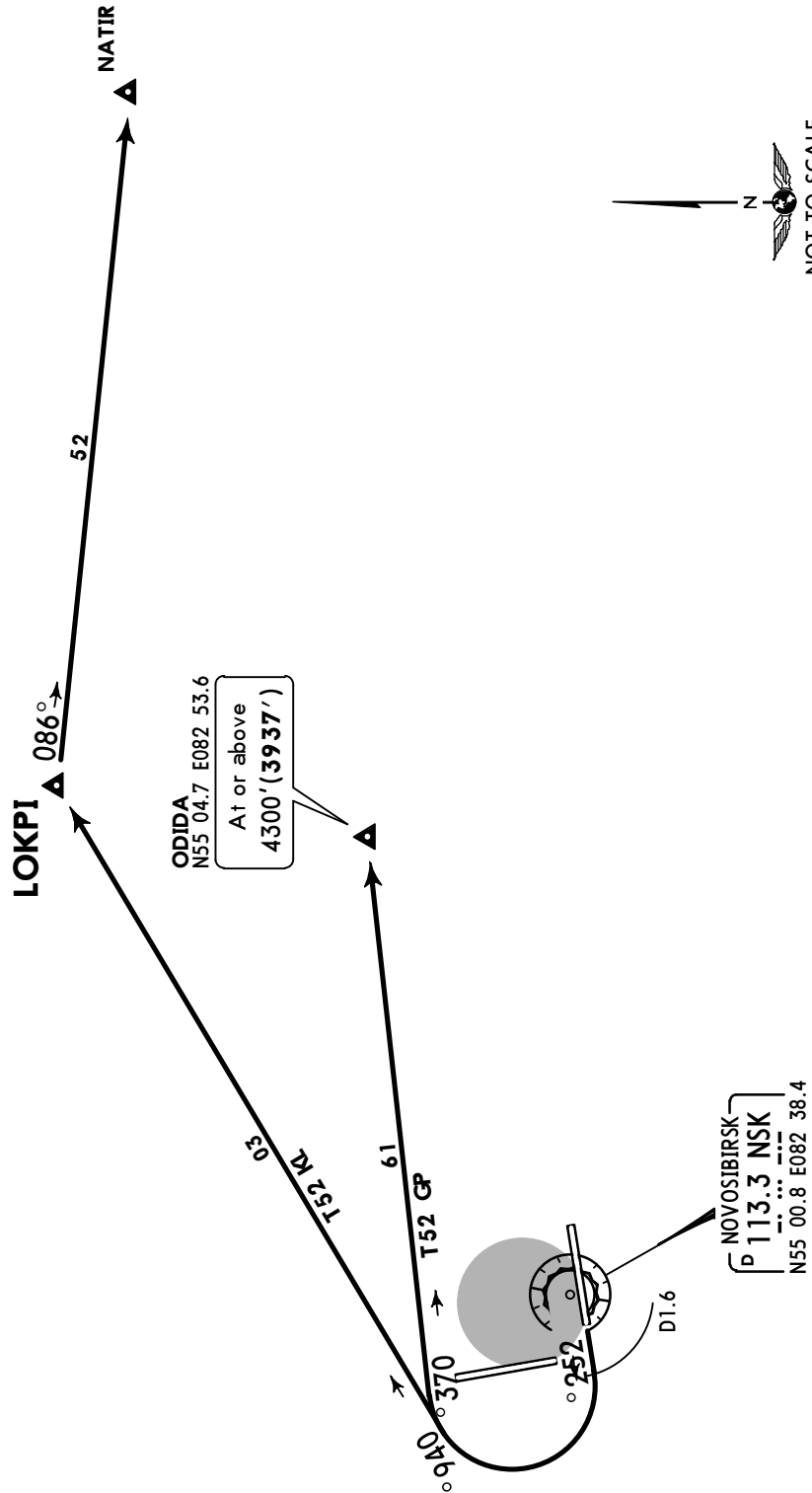
QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4277')
DME required.



LK 25T, PG 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)



NOVOSIBIRSK
M 113.3 NSK
N55 00.8 E082 38.4

UNNT/OVB
TOLMACHEVO

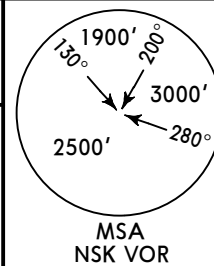
JEPPESEN
14 APR 17 **10-3K** **Eff 27 Apr**

NOVOSIBIRSK, RUSSIA

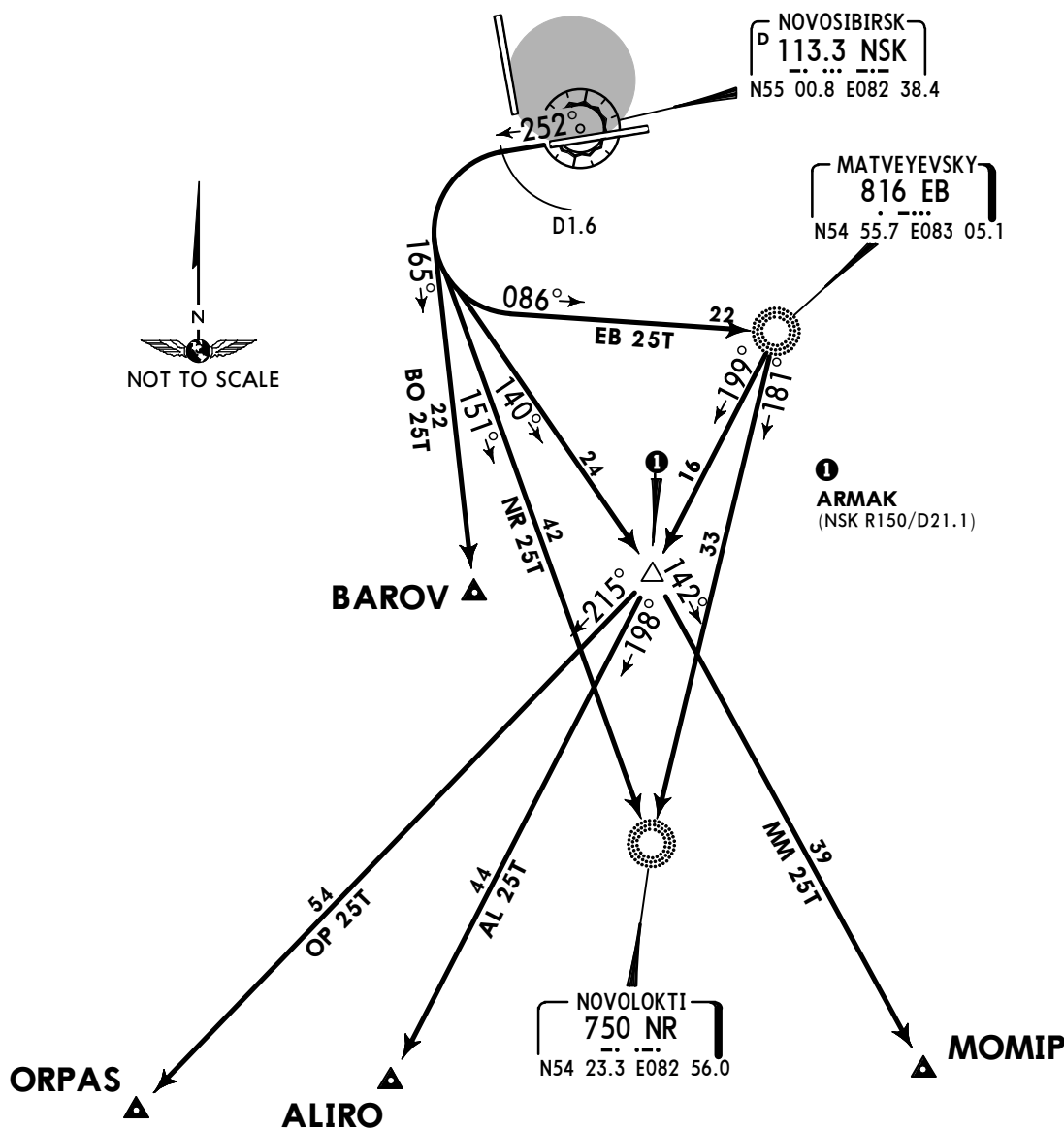
SID

Apt Elev
367'

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



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



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

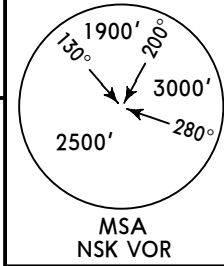
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **(10-3L)** **Eff 27 Apr**

NOVOSIBIRSK, RUSSIA
SID

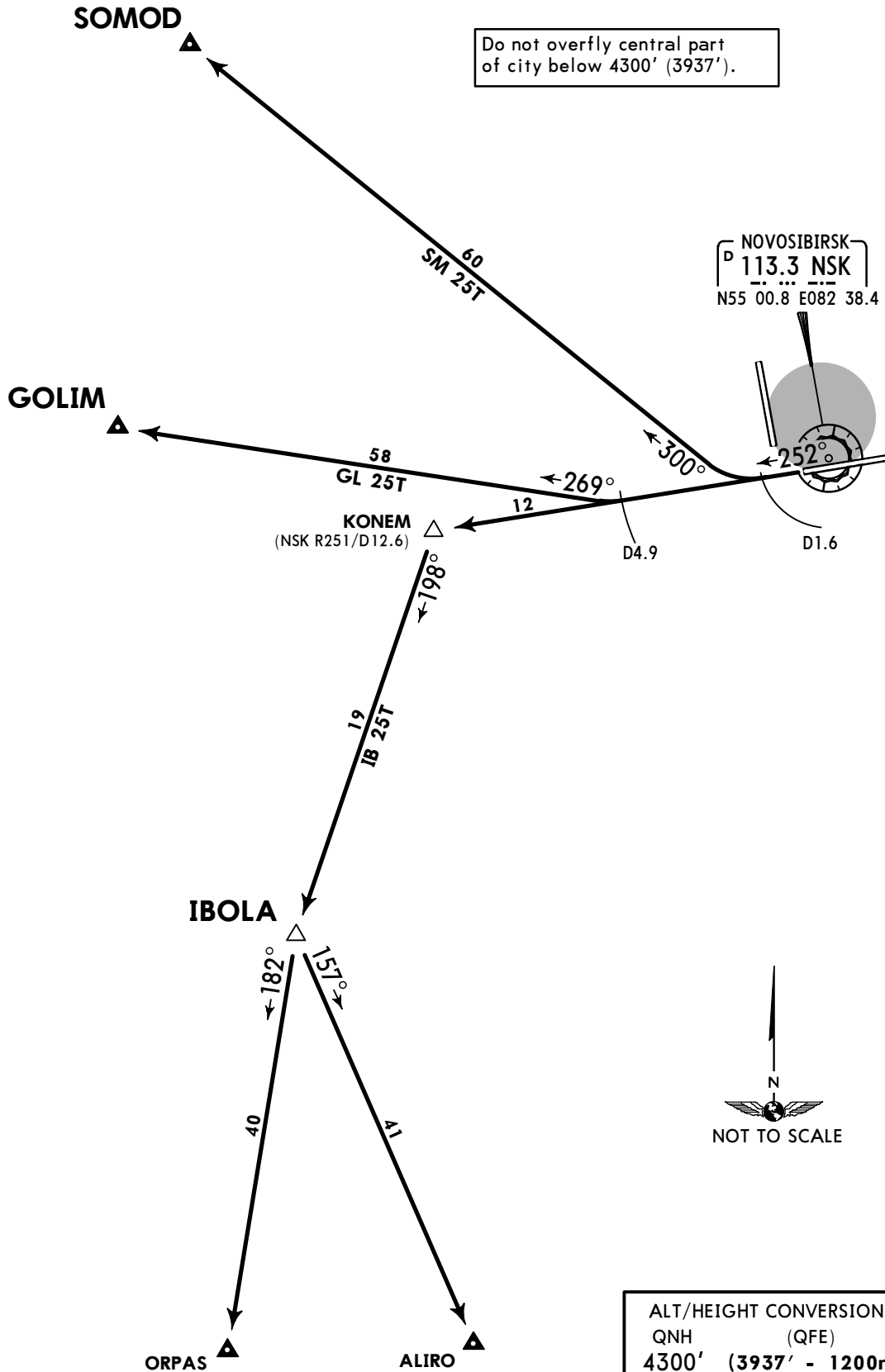
Apt Elev
367'

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



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

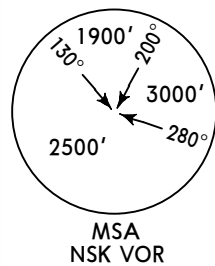
JEPPESEN
14 APR 17 10-3M Eff 27 Apr

NOVOSIBIRSK, RUSSIA

SID

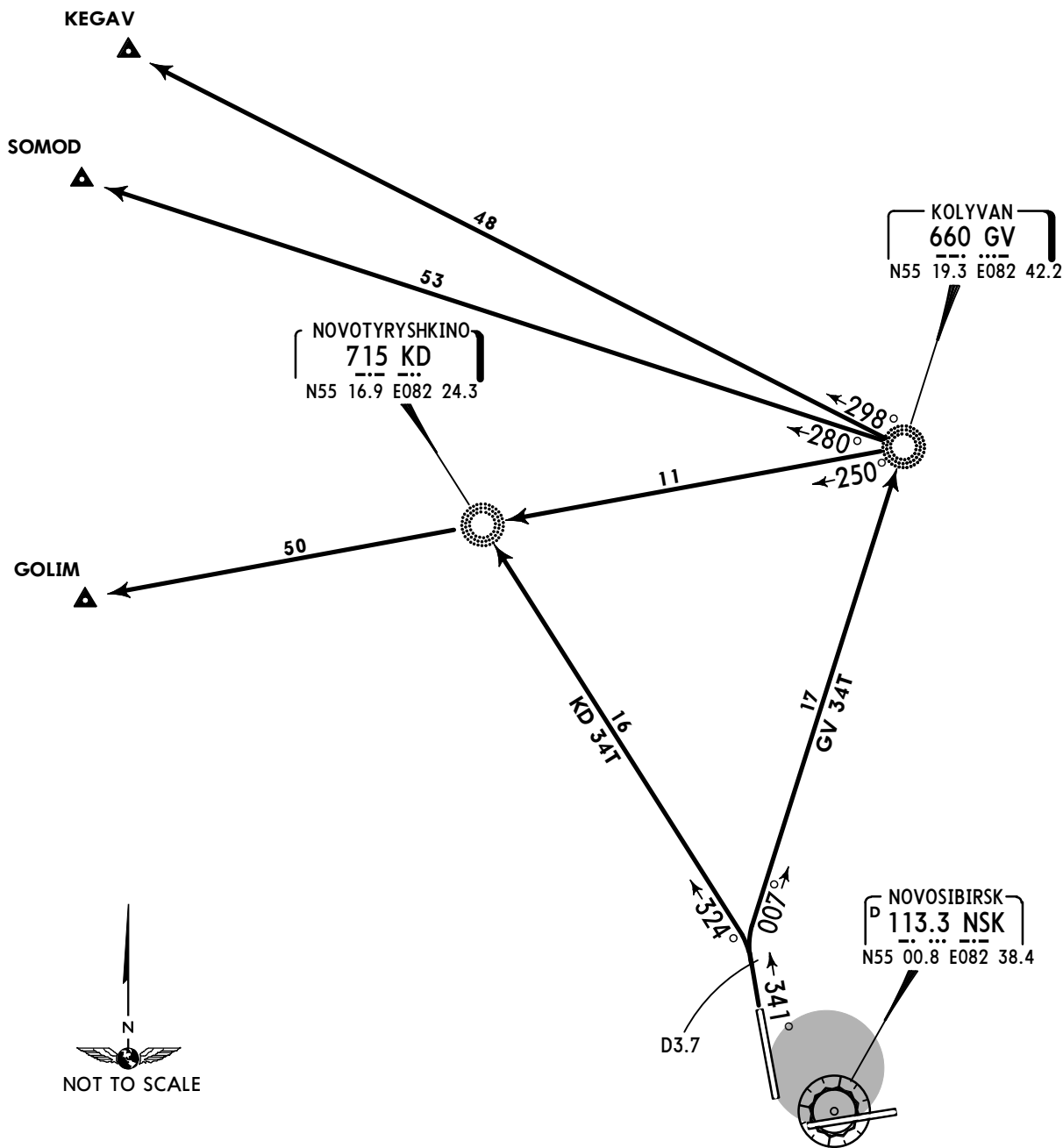
Apt Elev
367'

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



GV 34T, KD 34T
RWY 34 DEPARTURES

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



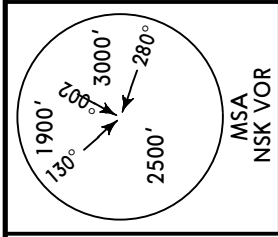
ALT/HEIGHT CONVERSION	
QNH	(QFE)
4310'	(3942' - 1200m)
4640'	(4272' - 1300m)

UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **10-3N** **Eff 27 Apr**

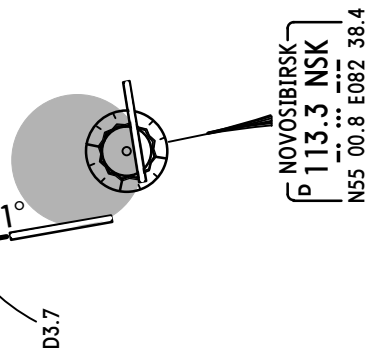
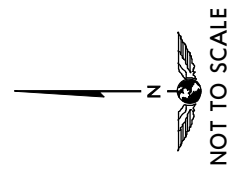
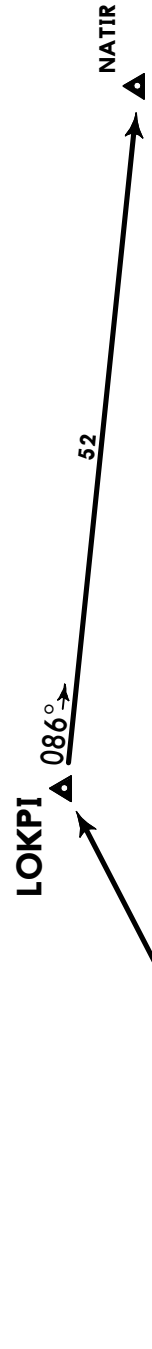
NOVOSIBIRSK, RUSSIA
SID

Apt Elev **367'**
QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4272')
DME required.



LK 34T
RWY 34 DEPARTURE

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



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

UNNT/OVB
TOLMACHEVO

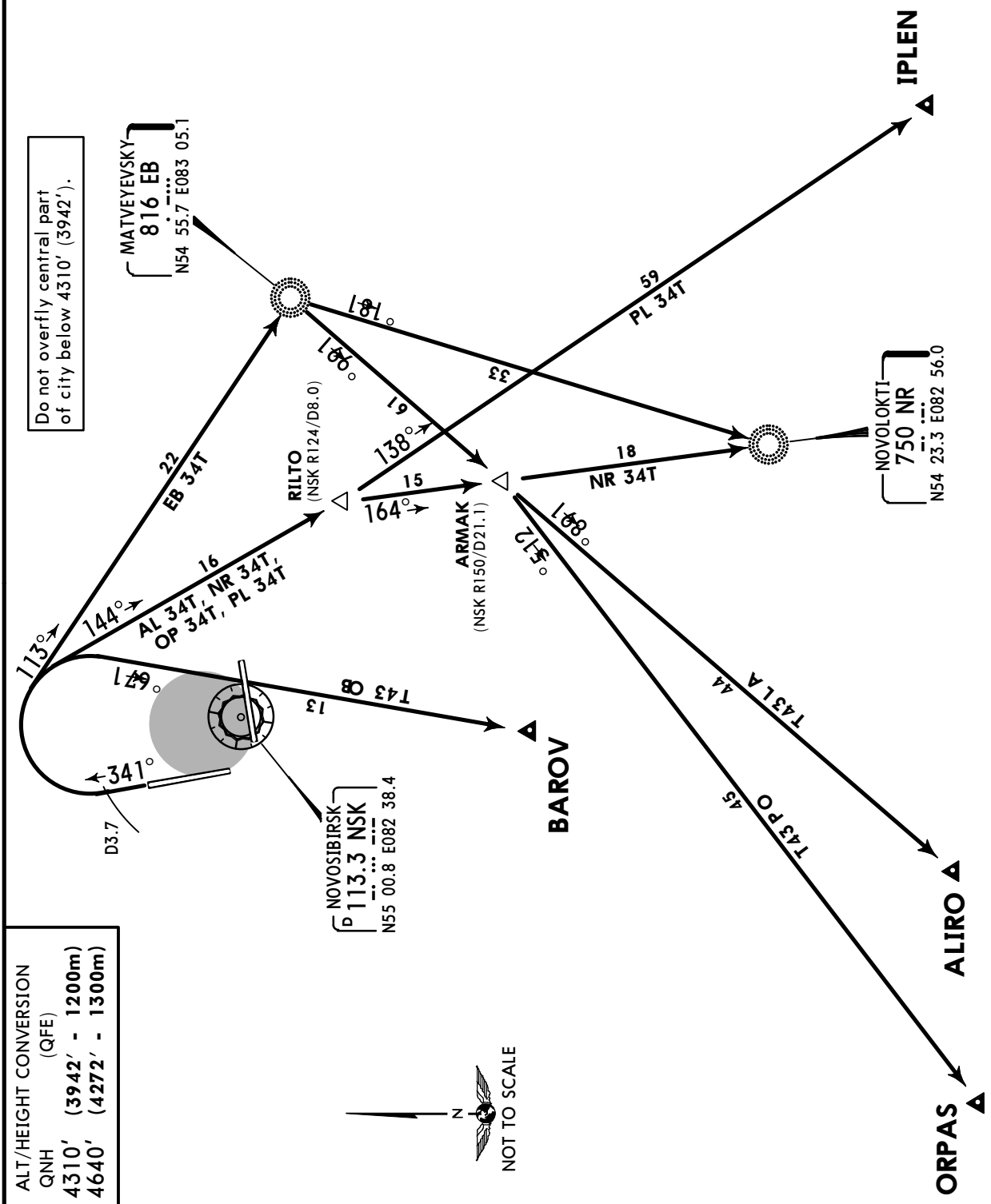
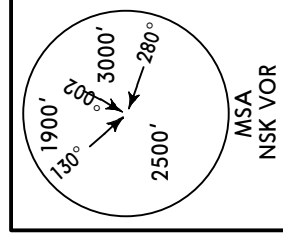
JEPPESEN
14 APR 17 **10-3P** **Eff 27 Apr**

NOVOSIBIRSK, RUSSIA
SID

Apt Elev
367'

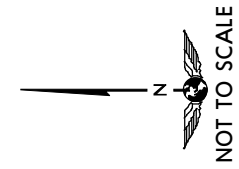
QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4272')
DME required.

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



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

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4



UNNT/OVB
TOLMACHEVO

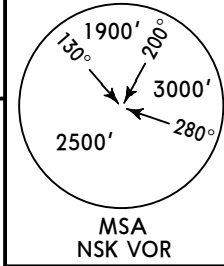
JEPPESEN
14 APR 17 **10-3Q** **Eff 27 Apr**

NOVOSIBIRSK, RUSSIA

SID

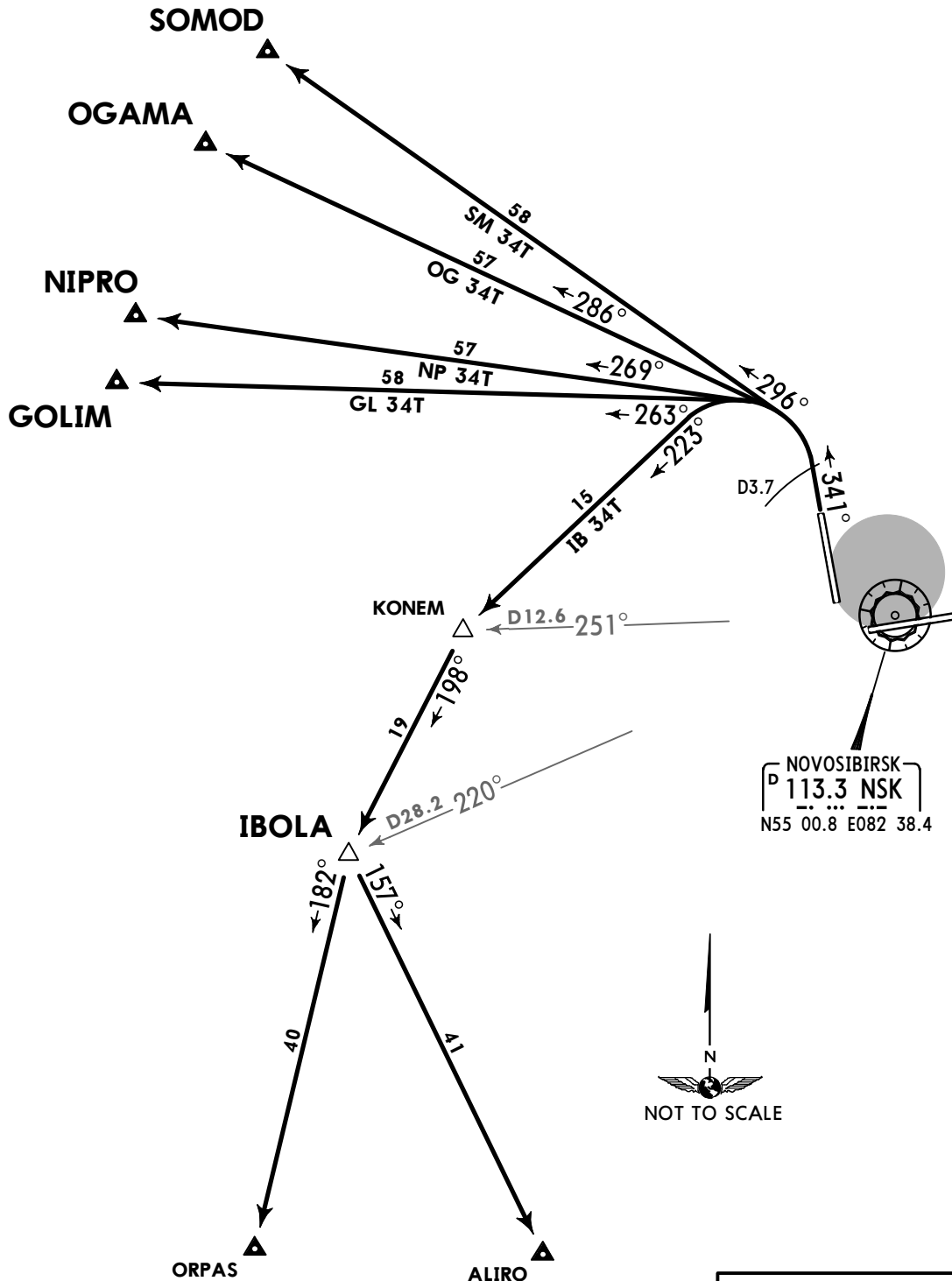
Apt Elev
367'

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



GL 34T, IB 34T, NP 34T
OG 34T, SM 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)

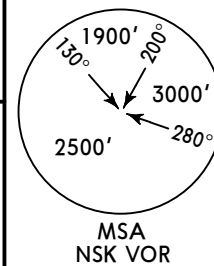
UNNT/OVB
TOLMACHEVO

JEPPESEN
14 APR 17 **(10-3S)** **Eff 27 Apr**

NOVOSIBIRSK, RUSSIA
SID

Apt Elev
367'

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



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

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

NOVOTYRYSHKINO
715 KD
N55 16.9 E082 24.3

At
3650'
(3287')
EB 25M
MM 25M
PL 25M
Turn at
or above
1680'
(1317')

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4

310 KT
N55 01.2 E082 44.5

MATVEYEVSKY
816 EB
N54 55.7 E083 05.1

ARMAK
(NSK R150/D21.1)

NOVOLOKTI
750 NR
N54 23.3 E082 56.0



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1680'	(1317' - 400m)
3650'	(3287' - 1000m)
4300'	(3937' - 1200m)
4640'	(4277' - 1300m)

ALIRO

MOMIP

IPLN

UNNT/OVB
TOLMACHEVO

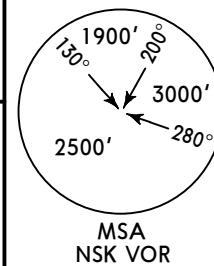
JEPPESEN
14 APR 17 **10-3T** **Eff 27 Apr**

NOVOSIBIRSK, RUSSIA

SID

Apt Elev
367'

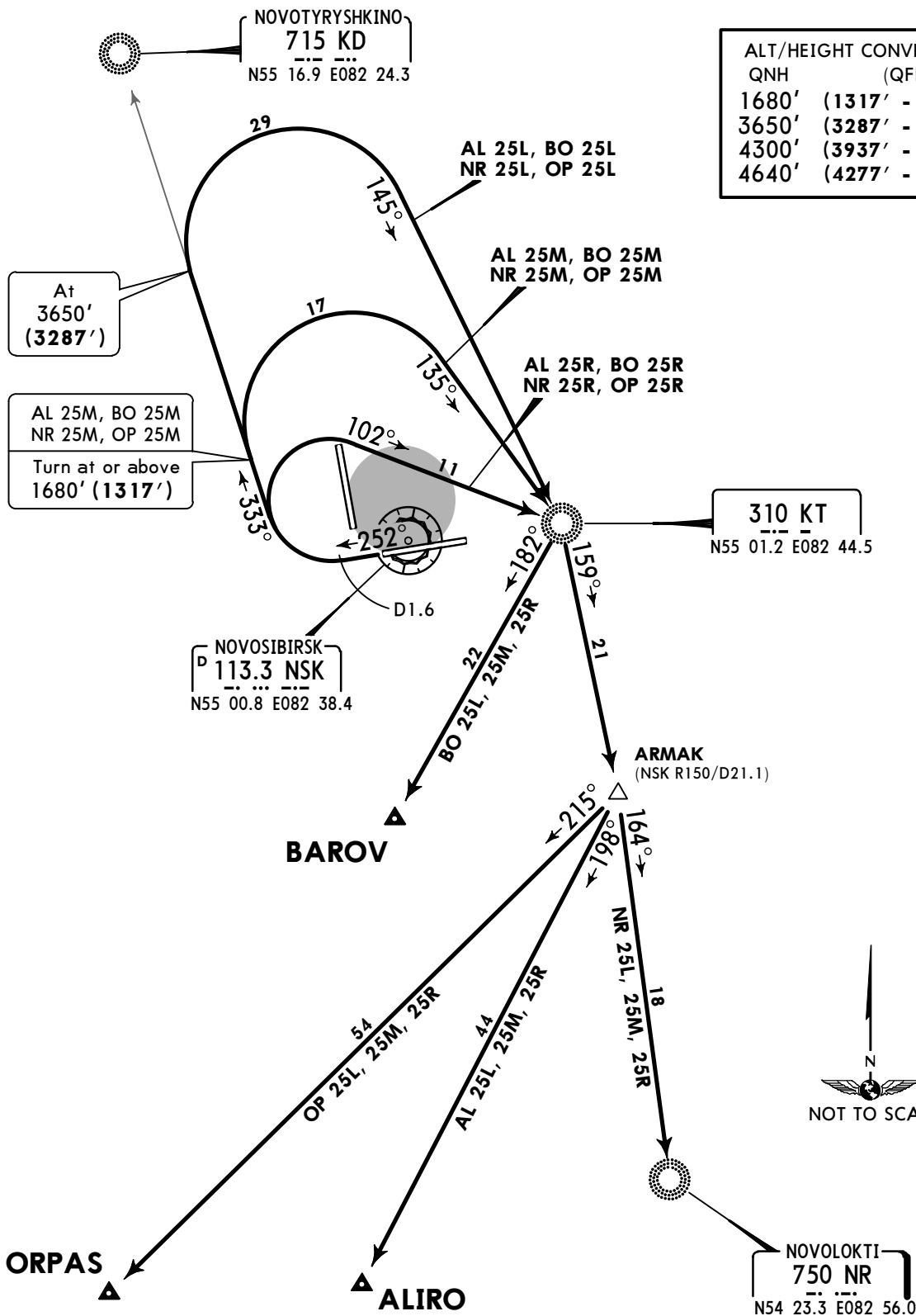
QNH on request (QFE)
Trans level: FL60 Trans alt: 4640' (4277')
DME required.



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').

ALT/HEIGHT CONVERSION	
QNH	(QFE)
1680'	(1317' - 400m)
3650'	(3287' - 1000m)
4300'	(3937' - 1200m)
4640'	(4277' - 1300m)



UNNT/OVB
TOLMACHEVO

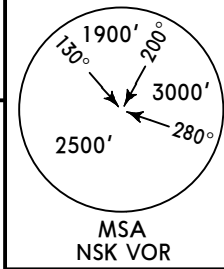
JEPPESEN
14 APR 17 **(10-3U)** **Eff 27 Apr**

NOVOSIBIRSK, RUSSIA

SID

Apt Elev
367'

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



GL 25R
RWY 25 DEPARTURE
BY ATC

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

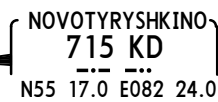


GOLIM
▲

60

← 263°

At or above
1680' (1317')



NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4

← 353°

← 252°

D1.6



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

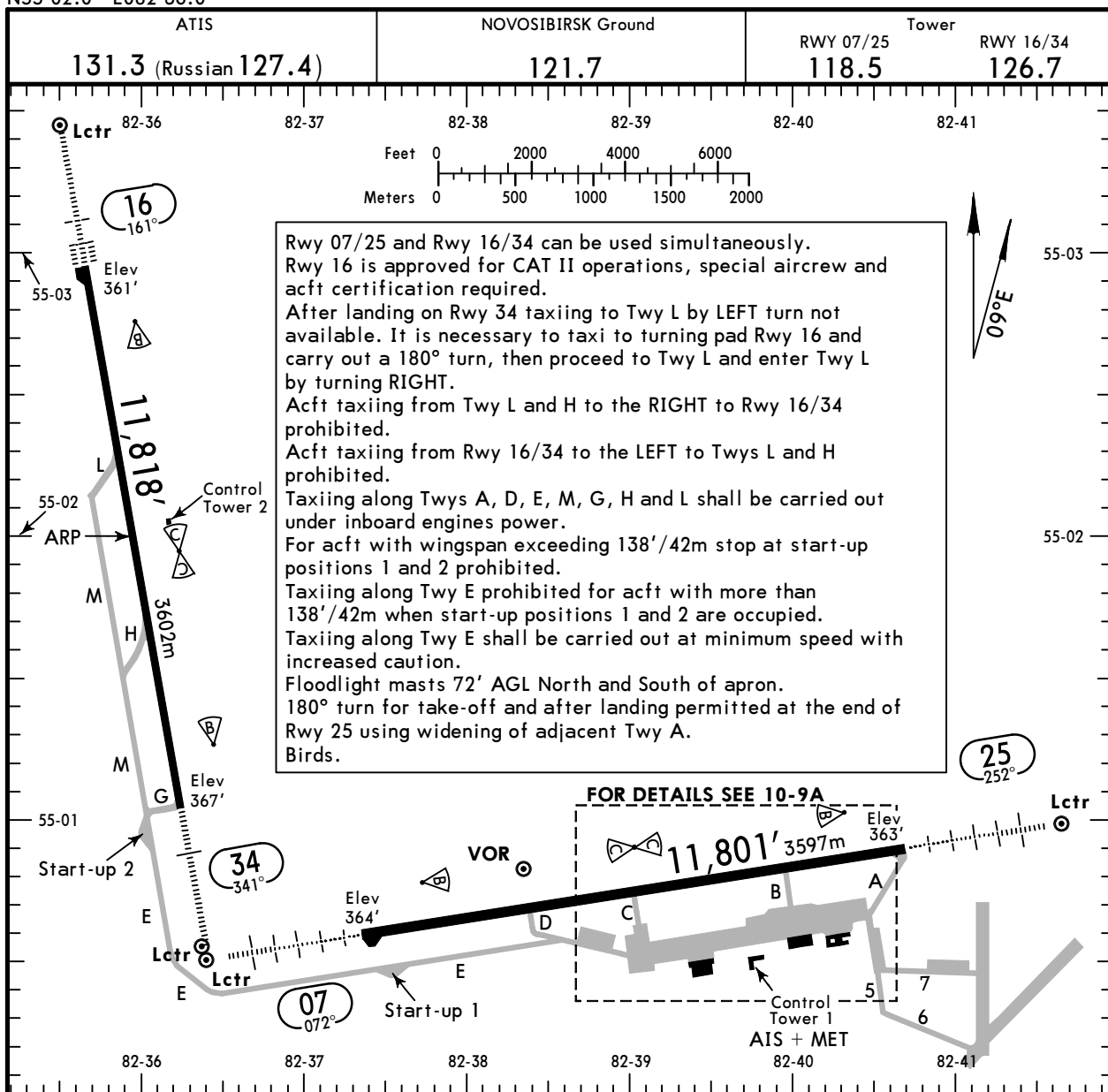
During take-off the initial turn shall be carried out at 1.1 NM from departure threshold.

UNNT/OVB

Apt Elev **367'**
N55 02.0 E082 36.0

JEPPESEN
31 AUG 18 **(10-9)** Eff 13 Sep

NOVOSIBIRSK, RUSSIA
TOLMACHEVO



RWY	ADDITIONAL RUNWAY INFORMATION				USABLE LENGTHS			WIDTH
	HIRL (60m)	HIALS	PAPI-L (angle 3.0°)	RVR	Threshold	Landing Beyond Glide Slope	TAKE-OFF	
07 25	HIRL (60m)	HIALS	PAPI-L (angle 3.0°)	RVR		10,768' 3282m	①	197' 60m

① TAKE-OFF RUN AVAILABLE

RWY 07:	RWY 25:
From rwy head 11,801' (3597m)	From rwy head 11,801' (3597m)
twy D int 8202' (2500m)	twy B int 9219' (2810m)
twy C int 5938' (1810m)	twy C int 5938' (1810m)

16	HIRL (60m)	CL (15m)	HIALS-II	TDZ	PAPI-L (3.0°)	RVR	10,846' 3306m	②	148' 45m
34	HIRL (60m)	CL (15m)	HIALS		PAPI-L (3.0°)	RVR			

② TAKE-OFF RUN AVAILABLE

RWY 34: From rwy head 11,818' (3602m)
twy H int 7546' (2300m)

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

RVR in parentheses if TDZ RVR is supplemented by Mid and/or Rollout RVR.

UNNT/OVB

JEPPESEN

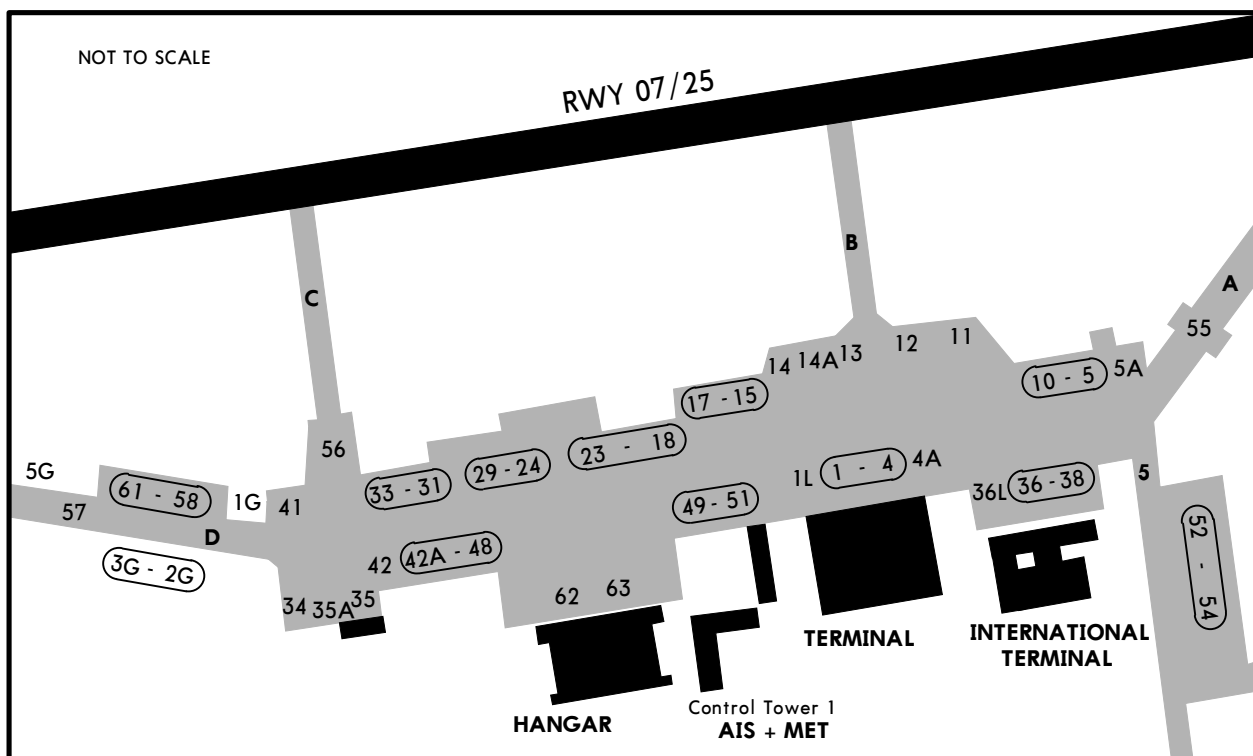
NOVOSIBIRSK, RUSSIA

31 AUG 18

10-9A

Eff 13 Sep

TOLMACHEVO



INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
2	N55 00.6 E082 40.0	37	N55 00.6 E082 40.3
3	N55 00.6 E082 40.1	55	N55 00.7 E082 40.5
5	N55 00.7 E082 40.4	56	N55 00.6 E082 39.1
10	N55 00.7 E082 40.2	57, 61	N55 00.6 E082 38.7
11	N55 00.7 E082 40.1		
12	N55 00.7 E082 40.0		
13	N55 00.7 E082 39.9		
14	N55 00.6 E082 39.9		
15 thru 17	N55 00.6 E082 39.8		
36	N55 00.6 E082 40.2		

For acft with wingspan exceeding 157'/48m taxiing via apron taxiroute prohibited.

UNNT/OVB


 JEPPESEN
 11 NOV 16 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	
NDB ①	1110' (745')	1110' (745')	1110' (745')	1110' (745')	
w/o FAF	C2700m	C2700m	C2700m	C2700m	
ALS out	C3500m	C3500m	C3500m	C3500m	
16	CAT 2 ILS	462' (100')	462' (100')	462' (100')	462' (100')
		RA104' R300m	RA104' R300m	RA104' R300m	RA104' R300m
	ILS	562' (200')	562' (200')	562' (200')	562' (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	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	
25	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
	NDB ①	1320' (957')	1320' (957')	1320' (957')	1320' (957')
	w/o FAF	C3800m	C3800m	C3800m	C3800m
ALS out	C4500m	C4500m	C4500m	C4500m	
34	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
	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



Standard
NOVOSIBIRSK, RUSSIA
TOLMACHEVO

CIRCLE-TO-LAND ①	A	B	C	D
to rwy 07/25 ②	760' (396') ceiling 200m- V2500m	860' (496') ceiling 200m- V2500m	960' (596') ceiling 280m- V3000m	1060' (696') ⑤ ceiling 310m- V4000m
to rwy 16 ③	760' (399')	860' (499')	960' (599')	1060' (699') ⑥
to rwy 34 ④	770' (403') ceiling 200m- V2500m	860' (493') ceiling 200m- V2500m	960' (593') ceiling 280m- V3000m	1060' (693') ⑦ ceiling 310m- V4000m

- ① FOR RUSSIAN USERS ONLY.
- ② Circling height based on rwy 07/25 thresh elev of 364'.
- ③ Circling height based on rwy 16 thresh elev of 361'.
- ④ Circling height based on rwy 34 thresh elev of 367'.
- ⑤ Widebodied acft: MDA(H) 1350'(986') CEIL 400 VIS 5000m.
- ⑥ Widebodied acft: MDA(H) 1350'(989') CEIL 400 VIS 5000m.
- ⑦ Widebodied acft: MDA(H) 1360'(993') CEIL 400 VIS 5000m.

TAKE-OFF RWY 07, 16, 25, 34

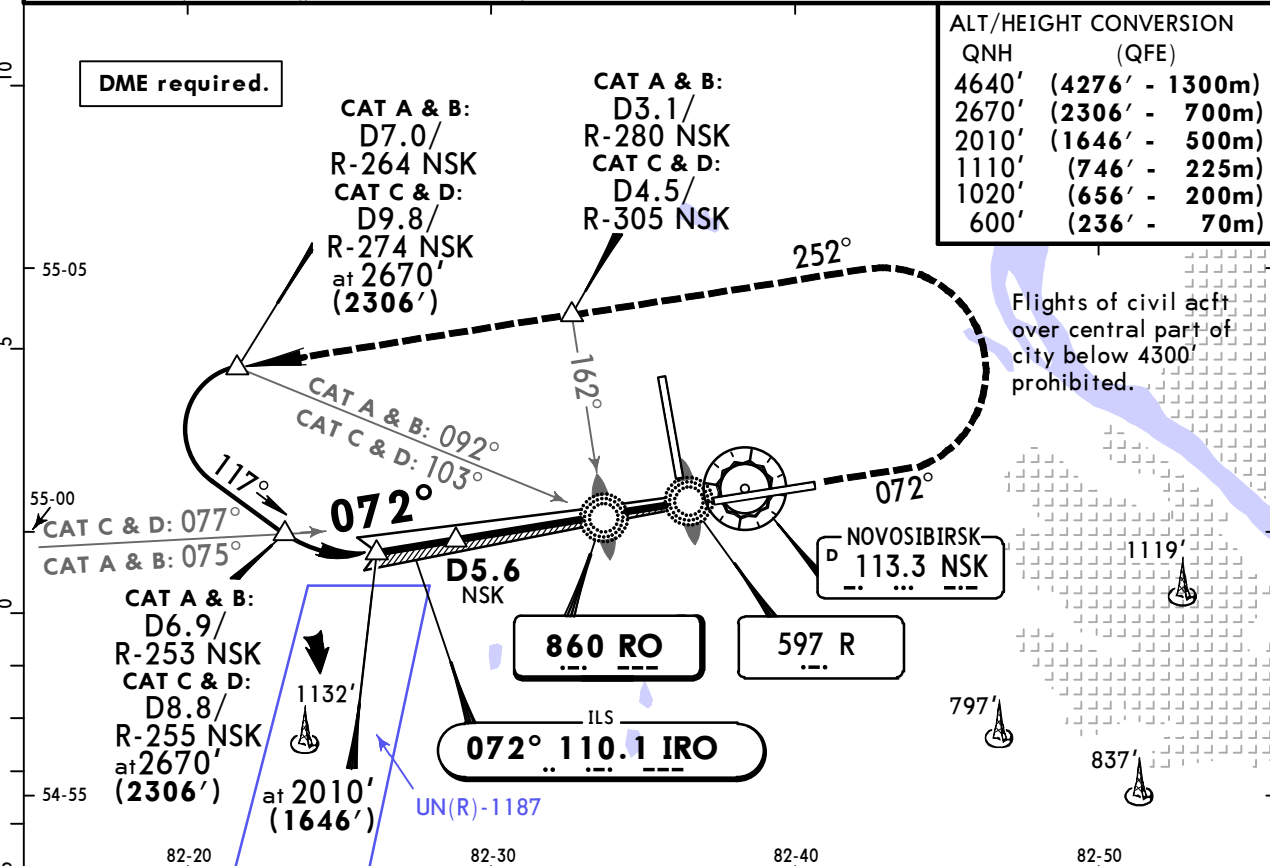
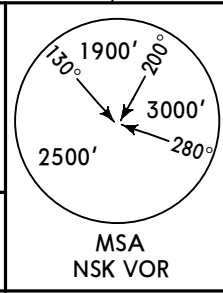
	Approved Operators HIRL, CL & mult. RVR req	LVP must be in force			RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
		RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL			
A	125m	150m	200m	250m	400m	500m	
B							
C							
D	150m	200m	250m	300m			

UNNT/OVB TOLMACHEVO

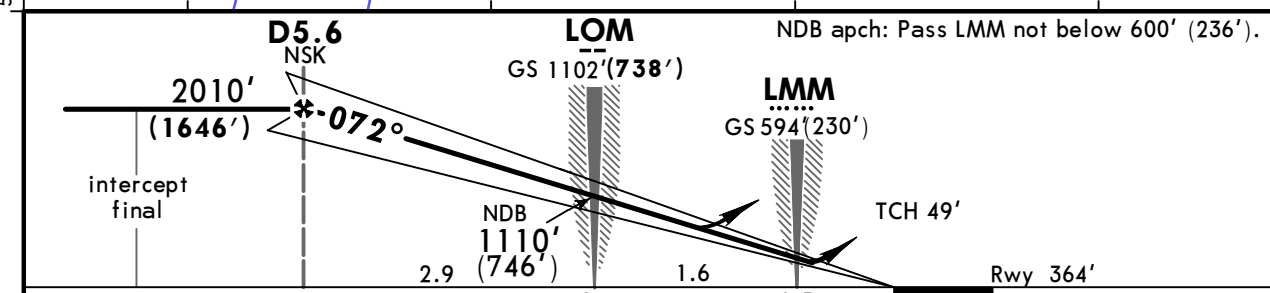
JEPESEN
14 APR 17 **(11-1)** Eff 27 Apr

NOVOSIBIRSK, RUSSIA ILS or 2 NDB Rwy 07

ATIS 131.3 (Russian 127.4)		NOVOSIBIRSK Approach 127.5	NOVOSIBIRSK Radar (APP/TWR) 122.0	NOVOSIBIRSK Tower 118.5	Ground 121.7
LOC IRO 110.1	Final Apch Crs 072°	GS LOM 1102' (738')	ILS DA(H) 564' (200')	Apt Elev 367'	
NDB RO 860		Minimum Alt D5.6 NSK 2010' (1646')	NDB MDA(H) (CONDITIONAL) 710' (346')	Rwy 364'	
MISSED APCH: Climb on 072° to 1020' (656'), then turn LEFT onto 252° climbing to 2670' (2306'), then according to chart, or as directed.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 60	Trans alt: 4640' (4276')	



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4276' - 1300m)
2670'	(2306' - 700m)
2010'	(1646' - 500m)
1110'	(746' - 225m)
1020'	(656' - 200m)
600'	(236' - 70m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1020' (656')	on 072°	252°	2670' (2306')
ILS GS or NDB Desc Angle	3.00°	372	478	531	637	743	849	PAPI		LT	

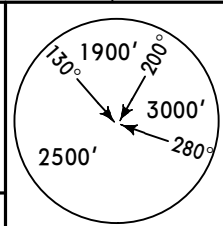
	STRAIGHT-IN LANDING RWY 07					
	ILS		LOC (GS out)	NDB		
	DA(H)	564' (200')	With FAF MDA(H)	710' (346')	W/o FAF MDA(H)	1110' (746')
	FULL	ALS out	ALS out	ALS out		
A						
B	RVR 720m VIS 800m	1200m	NOT AUTH	1200m	RVR 1500m VIS 1600m	3200m
C						3200m 3600m
D				RVR 1500m VIS 1600m	RVR 1800m VIS 2000m	3600m 4000m

UNNT/OVB TOLMACHEVO

JEPPESSEN
21 JUL 17 **(11-2)**

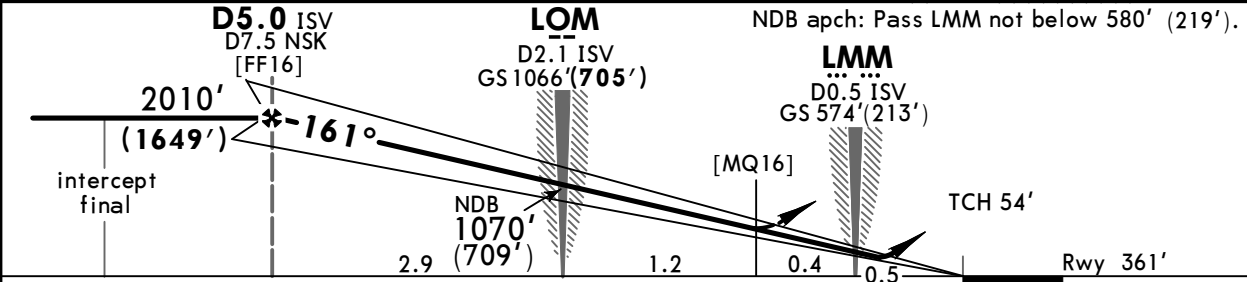
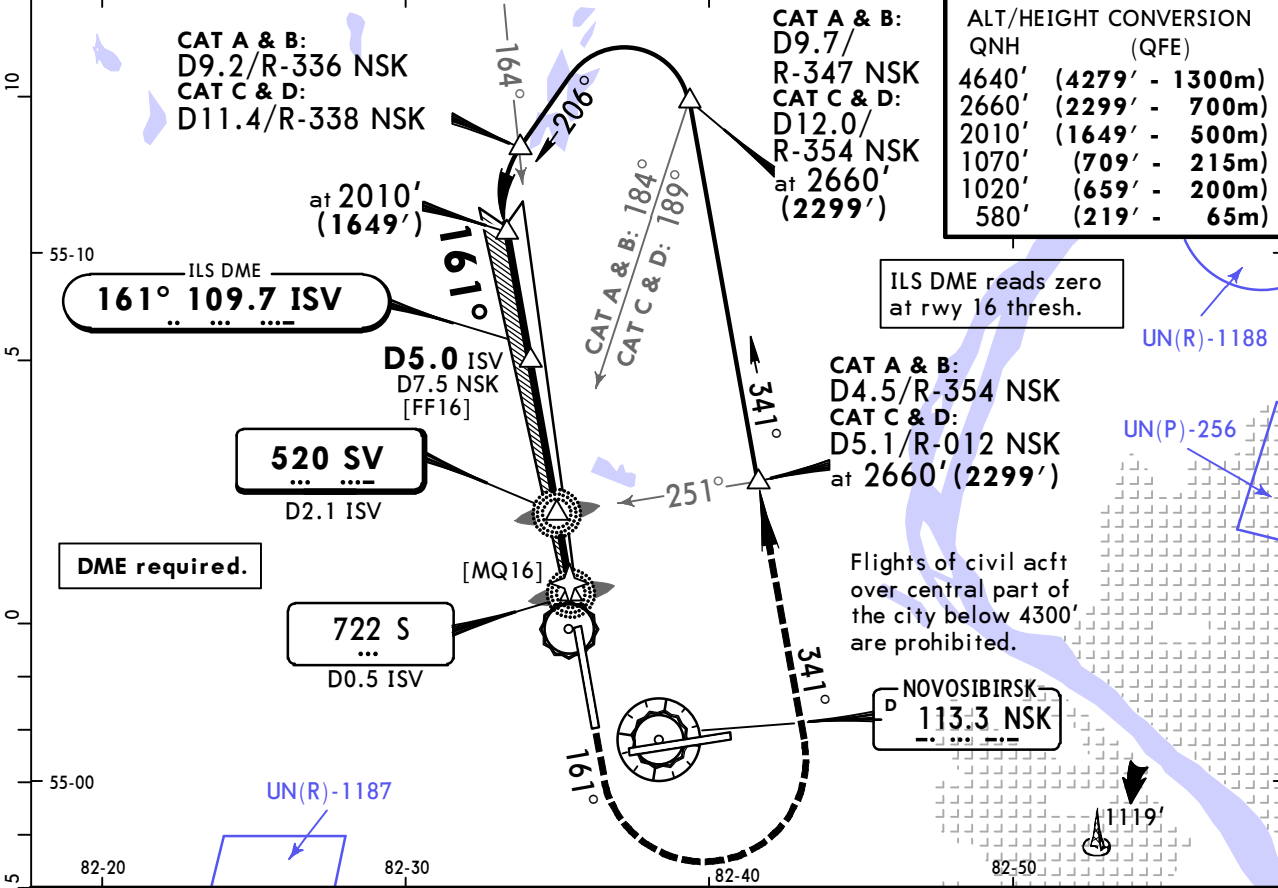
NOVOSIBIRSK, RUSSIA ILS or 2 NDB Rwy 16

BRIEFING STRIP™	ATIS 131.3 (Russian 127.4)	NOVOSIBIRSK Approach 127.5	NOVOSIBIRSK Radar (APP/TWR) 122.0	NOVOSIBIRSK Tower 126.7	Ground 121.7
	LOC ISV 109.7	Final Apch Crs 161°	GS LOM 1066'(705')	ILS DA(H) 561'(200')	Apt Elev 367'
	NDB SV 520		Minimum Alt D5.0 ISV 2010'(1649')	NDB MDA(H) (CONDITIONAL) 680'(319')	Rwy 361'



MISSED APCH: Climb on 161° to 1020' (659'), then turn LEFT onto 341° climbing to 2660' (2299'), then according to chart or as directed.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 4640' (4279')



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1020' (659')	on 161°	341°	2660' (2299')
ILS GS or NDB Desc Angle	3.00°	372	478	531	637	743	PAPI	↑	←	↑	

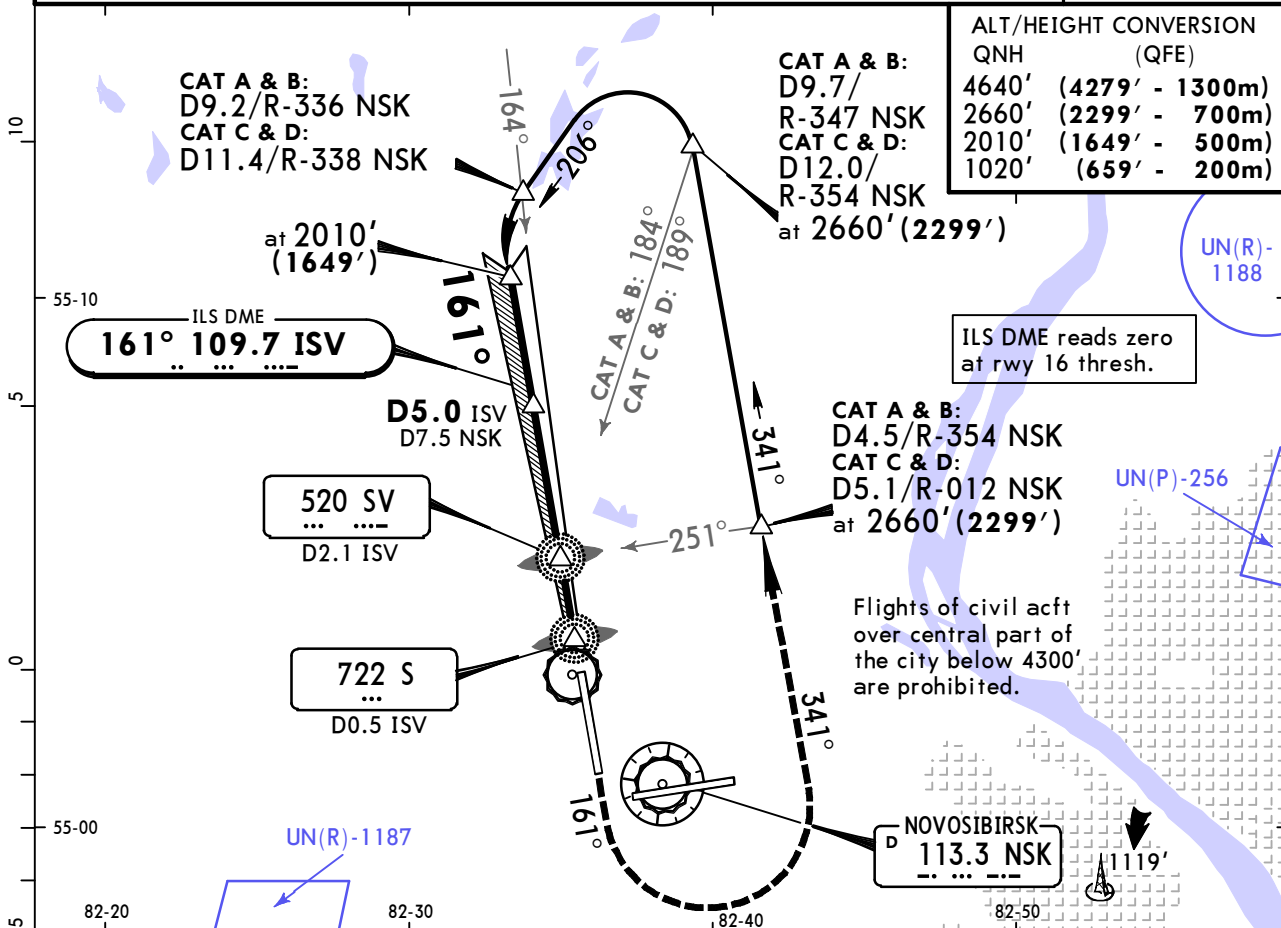
PANS OPS	STRAIGHT-IN LANDING RWY 16							
	ILS			LOC (GS out)	NDB		NDB	
	DA(H) 561'(200')				With FAF	W/o FAF	W/o FAF	
	FULL	TDZ or CL out	ALS out		MDA(H) 680'(319')	MDA(H) 720'(359')	MDA(H) 720'(359')	
A								
B	RVR 550m	RVR 720m	1200m	NOT AUTH	1200m	RVR 1500m	1200m	RVR 1500m
C	VIS 800m	VIS 800m			VIS 1600m	VIS 1600m		VIS 1600m
D					RVR 1500m	RVR 1500m	RVR 1800m	VIS 2000m
					VIS 1600m	VIS 1600m		

UNNT/OVB TOLMACHEVO

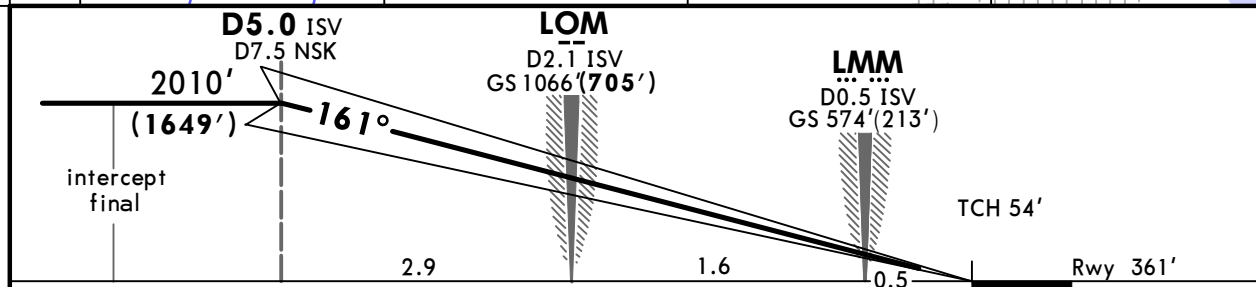
21 JUL 17 **11-2A**

NOVOSIBIRSK, RUSSIA CAT II ILS Rwy 16

ATIS 131.3 (Russian 127.4)	NOVOSIBIRSK Approach 127.5	NOVOSIBIRSK Radar (APP/TWR) 122.0	NOVOSIBIRSK Tower 126.7	Ground 121.7
LOC ISV 109.7	Final Apch Crs 161°	GS LOM 1066'(705')	CAT II ILS RA 104' DA(H) 461'(100')	Apt Elev 367' Rwy 361'
MISSED APCH: Climb on 161° to 1020' (659'), then turn LEFT onto 341° climbing to 2660' (2299'), then according to chart or as directed.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 4640'(4279') 1. DME required. 2. Special Aircrew & Aircraft Certification Required.				MSA NSK VOR



ALT/HEIGHT CONVERSION	
QNH	(QFE)
D9.7/	4640' (4279' - 1300m)
R-347 NSK	2660' (2299' - 700m)
D12.0/	2010' (1649' - 500m)
R-354 NSK	1020' (659' - 200m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1020' (659')	on 161°	341°	2660' (2299')
GS	3.00°	372	478	531	637	743	PAPI	↑	←	←	↑

STRAIGHT-IN LANDING RWY 16
CAT II ILS
RA 104'
DA(H) 461'(100')

RVR 300m

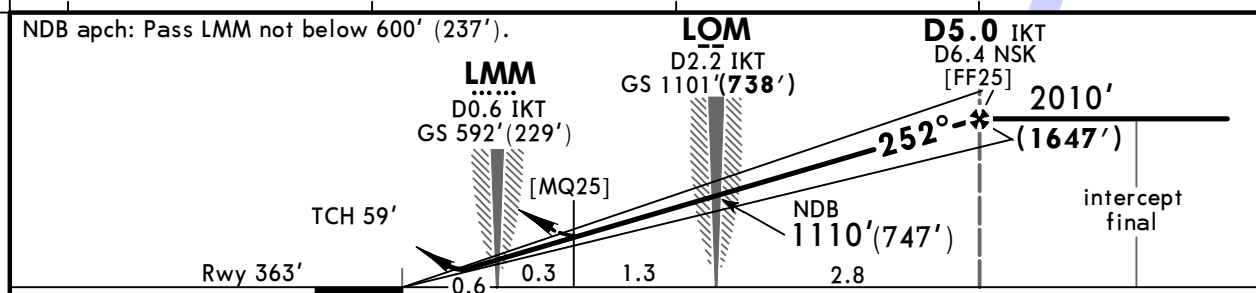
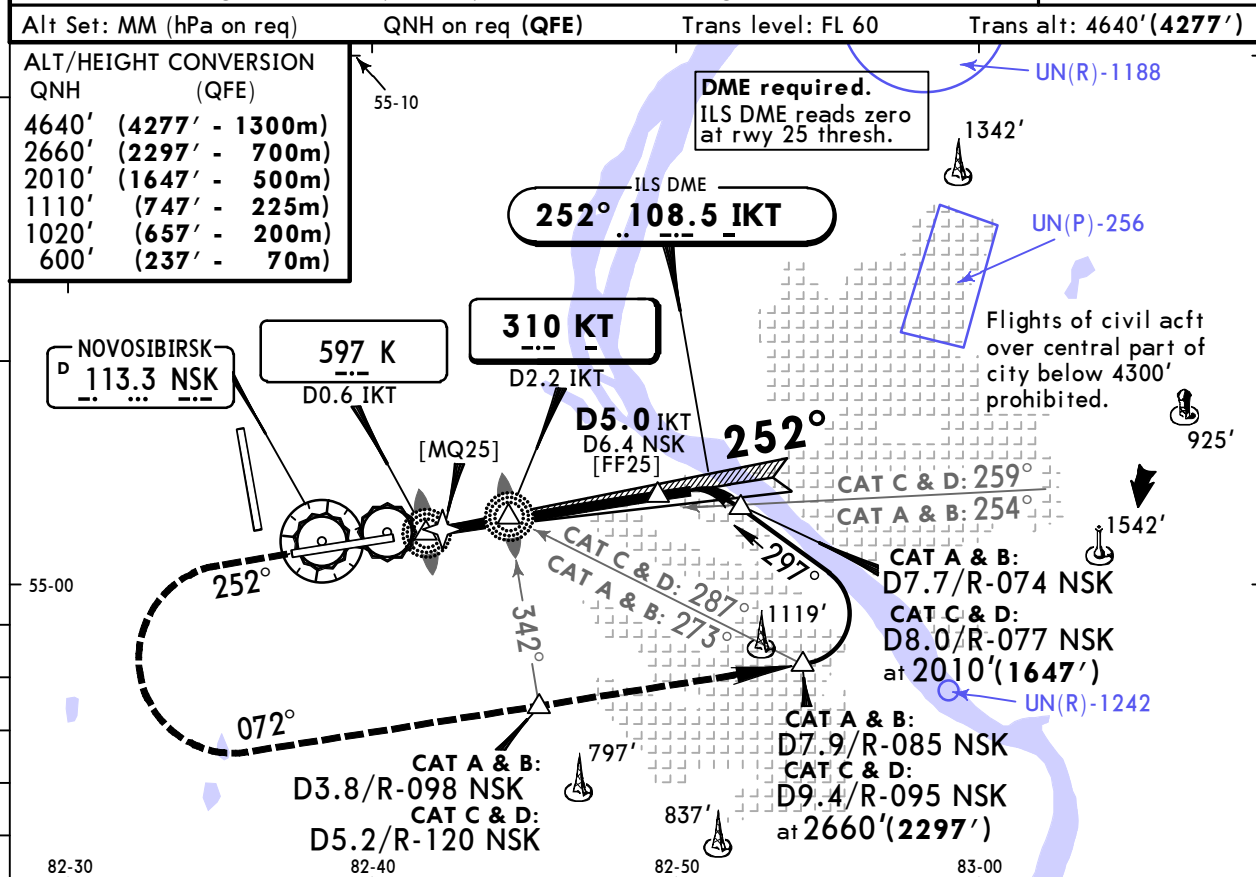
PANS OPS

UNNT/OVB TOLMACHEVO

JEPPESSEN
21 JUL 17 (11-3)

NOVOSIBIRSK, RUSSIA ILS or 2 NDB Rwy 25

ATIS 131.3 (Russian 127.4)	NOVOSIBIRSK Approach 127.5	NOVOSIBIRSK Radar (APP/TWR) 122.0	NOVOSIBIRSK Tower 118.5	Ground 121.7
LOC IKT 108.5	Final Apch Crs 252°	GS LOM 1101'(738')	ILS DA(H) 563'(200')	Apt Elev 367' 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')



1020' (657')	on 252°	072°	2660' (2297')
-----------------	---------	------	------------------

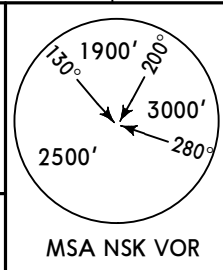
STRAIGHT-IN LANDING RWY 25							
ILS		LOC	With FAF		NDB		
DA(H) 563'(200')		(GS out)	MDA(H) 720'(357')		W/o FAF		
FULL	ALS out		ALS out		MDA(H) 1320'(957')		
A					3200m		
B			1200m	RVR 1500m VIS 1600m			
C	RVR 720m VIS 800m	1200m	NOT AUTH		4000m	4800m	
D			RVR 1500m VIS 1600m	RVR 1800m VIS 2000m	4400m	4800m	

UNNT/OVB TOLMACHEVO

JEPPESSEN
21 JUL 17 **(11-4)**

NOVOSIBIRSK, RUSSIA ILS or 2 NDB Rwy 34

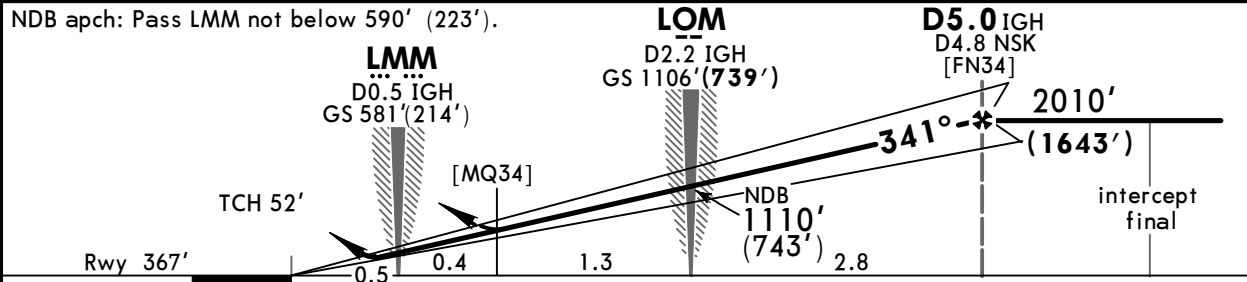
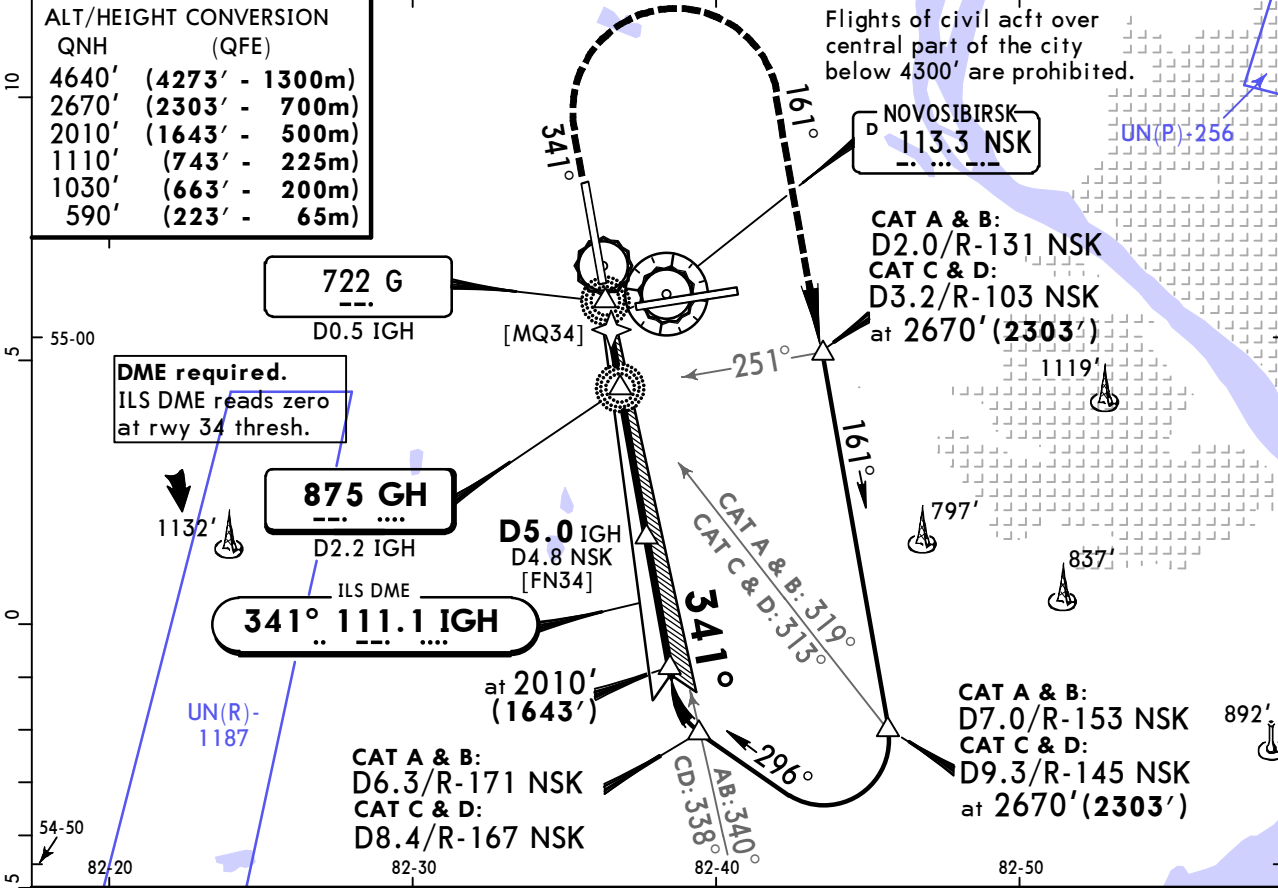
BRIEFING STRIP™	ATIS 131.3 (Russian 127.4)	NOVOSIBIRSK Approach 127.5	NOVOSIBIRSK Radar (APP/TWR) 122.0	NOVOSIBIRSK Tower 126.7	Ground 121.7
	LOC IGH 111.1	Final Apch Crs 341°	GS LOM 1106'(739')	ILS DA(H) 567'(200')	Apt Elev 367'
	NDB GH 875		Minimum Alt D5.0 IGH 2010'(1643')	NDB MDA(H) (CONDITIONAL) 700'(333')	Rwy 367'



MISSED APCH: Climb on 341° to 1030' (663'), then turn RIGHT onto 161° climbing to 2670' (2303'), then according to chart.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 4640' (4273')

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4273' - 1300m)
2670'	(2303' - 700m)
2010'	(1643' - 500m)
1110'	(743' - 225m)
1030'	(663' - 200m)
590'	(223' - 65m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1030' (663')	on 341°	161°	2670' (2303')
ILS GS or NDB Desc Angle	3.00°	372	478	531	637	743	849	PAPI		RT	

STRAIGHT-IN LANDING RWY 34					
ILS		LOC (GS out)	NDB		
DA(H) 567'(200')			With FAF MDA(H) 700'(333')	W/o FAF MDA(H) 1010'(643')	
FULL	ALS out		ALS out	ALS out	
A					
B	RVR 720m VIS 800m	1200m	1200m	RVR 1500m VIS 1600m	3200m
C		NOT AUTH			
D			RVR 1500m VIS 1600m		

PANS OPS

UNNT/OVB
TOLMACHEVO

JEPPESEN
21 JUL 17 **(19-10)**

NOVOSIBIRSK, RUSSIA
Circling Rwy 07

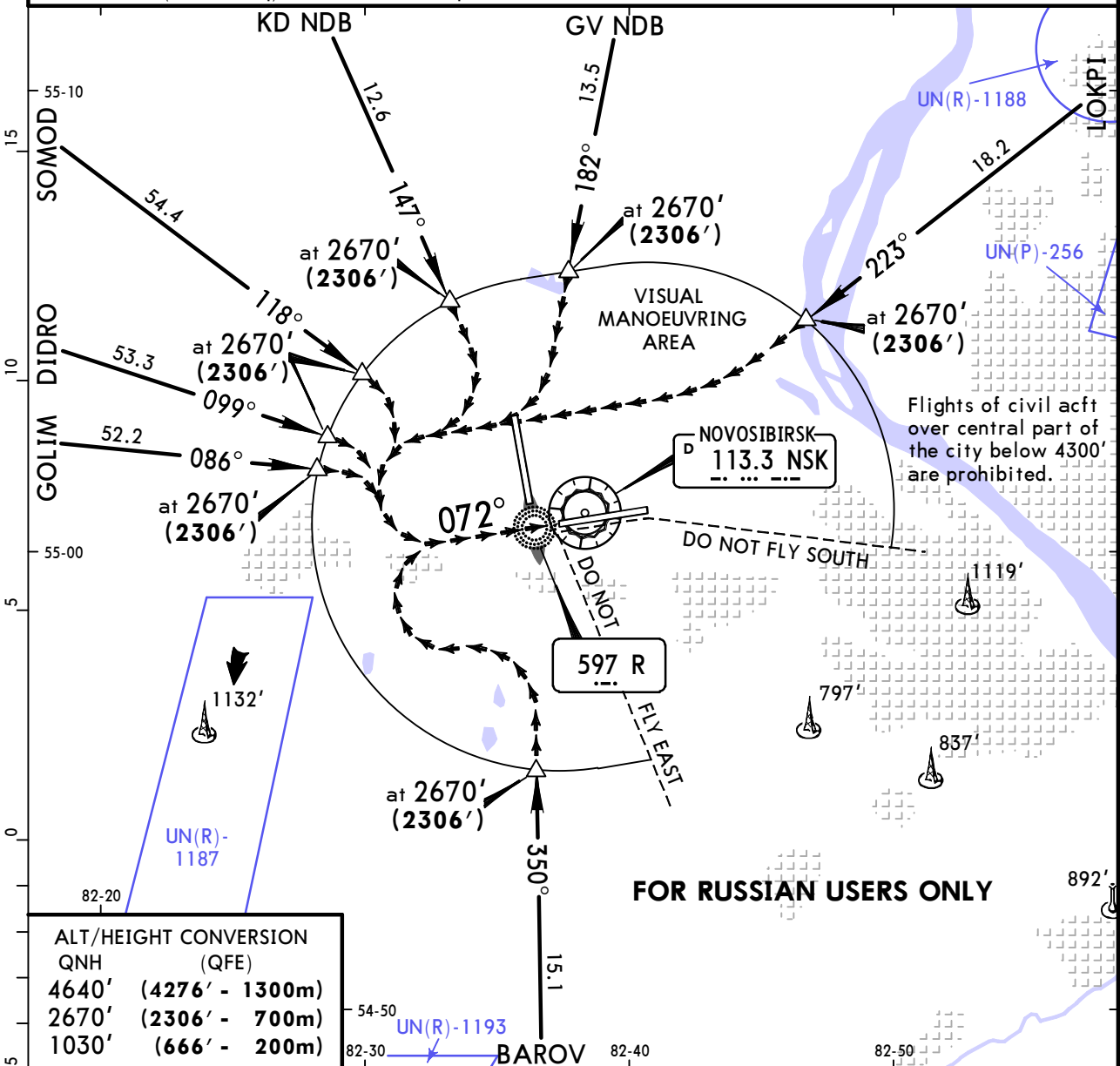
ATIS 131.3 (Russian 127.4)	NOVOSIBIRSK Approach 127.5	NOVOSIBIRSK Radar (APP/TWR) 122.0	NOVOSIBIRSK Tower 118.5	Ground 121.7
---	--------------------------------------	---	-----------------------------------	------------------------

VISUAL	Final Apch Crs 072°	No FAF	MDA(H) Refer to Minimums	Apt Elev 367' Rwy 364'
--------	-------------------------------	--------	--------------------------------	---------------------------

MISSED APCH: Climb to 1030' (666') , turn LEFT onto 252° climbing to 2670' (2306') , then according to chart , or as directed.

MSA NSK VOR

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 4640' (4276')



HIALS	1030' (666')	252°	2670' (2306')
PAPI	↑	← LT	↑

LANDING RWY 07		CEILING REQUIRED
-----------------------	--	-------------------------

	MDA(H)	CEIL-VIS
A	760' (396')	200m - 2500m
B	860' (496')	200m - 2500m
C	960' (596')	280m - 3000m
D	1060' (696')	310m - 4000m 2

1 Circling height based on rwy 07 thresh elev of 364'.
2 Widebodied acct: MDA(H) 1350' (986') CEIL 400m VIS 5000m.

UNNT/OVB TOLMACHEVO

JEPPESSEN
21 JUL 17 **19-11**

NOVOSIBIRSK, RUSSIA Circling Rwy 16

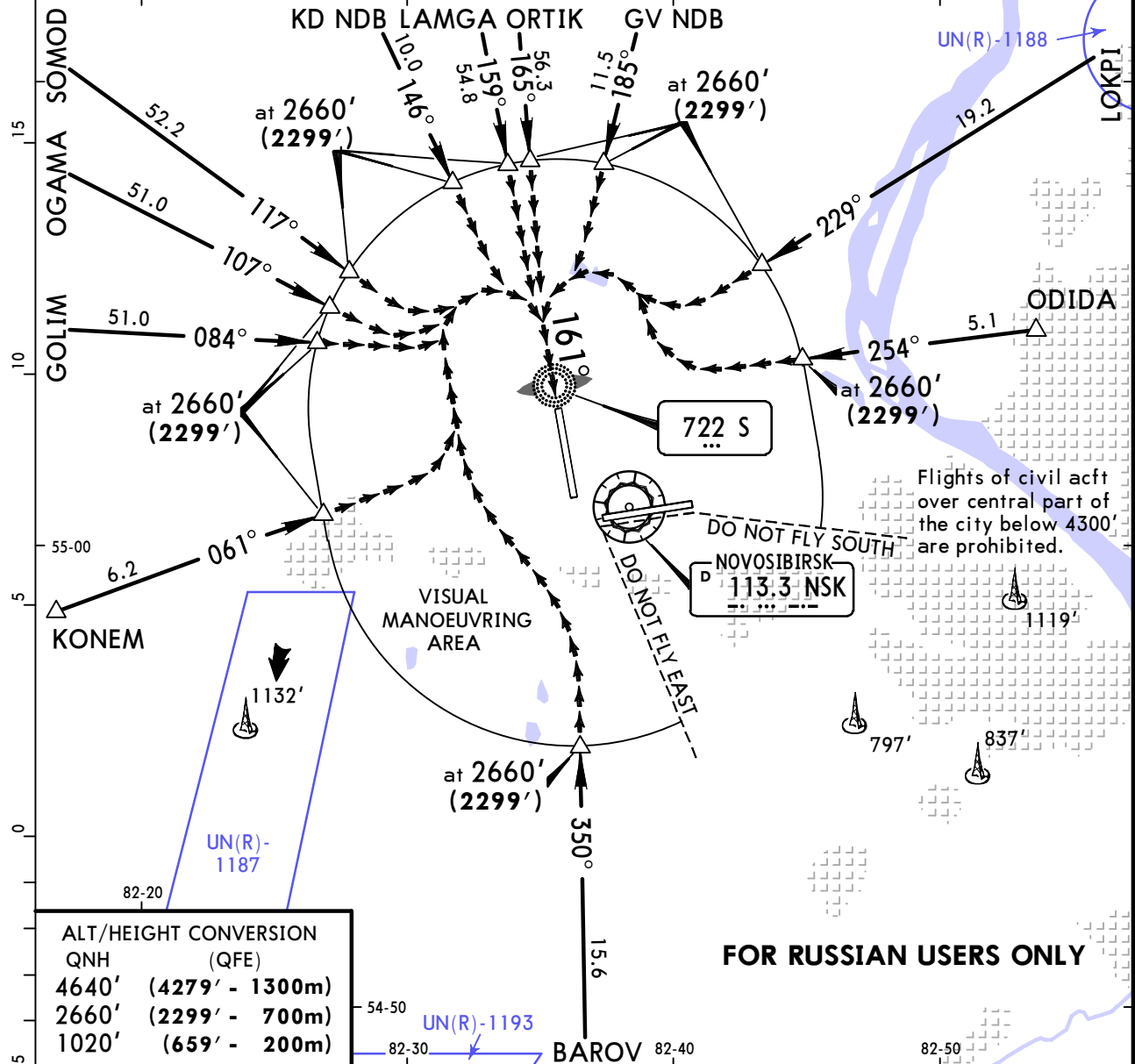
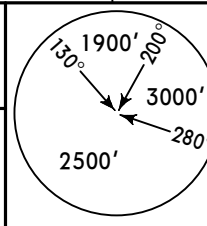
ATIS 131.3 (Russian 127.4)	NOVOSIBIRSK Approach 127.5	NOVOSIBIRSK Radar (APP/TWR) 122.0	NOVOSIBIRSK Tower 126.7	Ground 121.7
---	--------------------------------------	---	-----------------------------------	------------------------

VISUAL	Final Apch Crs 161°	No FAF	MDA(H) Refer to Minimums	Apt Elev 367' Rwy 361'
--------	----------------------------------	--------	--------------------------------	---------------------------

MISSED APCH: Climb to 1020' (659') , turn LEFT to GV NDB climbing to 2660' (2299') , then according to chart, or as directed.

MSA NSK VOR

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 4640' (4279')



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4279' - 1300m)
2660'	(2299' - 700m)
1020'	(659' - 200m)

FOR RUSSIAN USERS ONLY

HIALS-II	1020' (659')	GV 660	2660' (2299')
PAPI	↑	←	↑
		LT	

LANDING RWY 16 I **CEILING REQUIRED**

	MDA(H)	CEIL-VIS
A	760' (399')	200m - 2500m
B	860' (499')	200m - 2500m
C	960' (599')	280m - 3000m
D	1060' (699')	310m - 4000m 2

1 Circling height based on rwy 16 thresh elev of 361'.
2 Widebodied acft: MDA(H) 1350' (989') CEIL 400m VIS 5000m.

UNNT/OVB TOLMACHEVO

JEPPESSEN
21 JUL 17 **19-12**

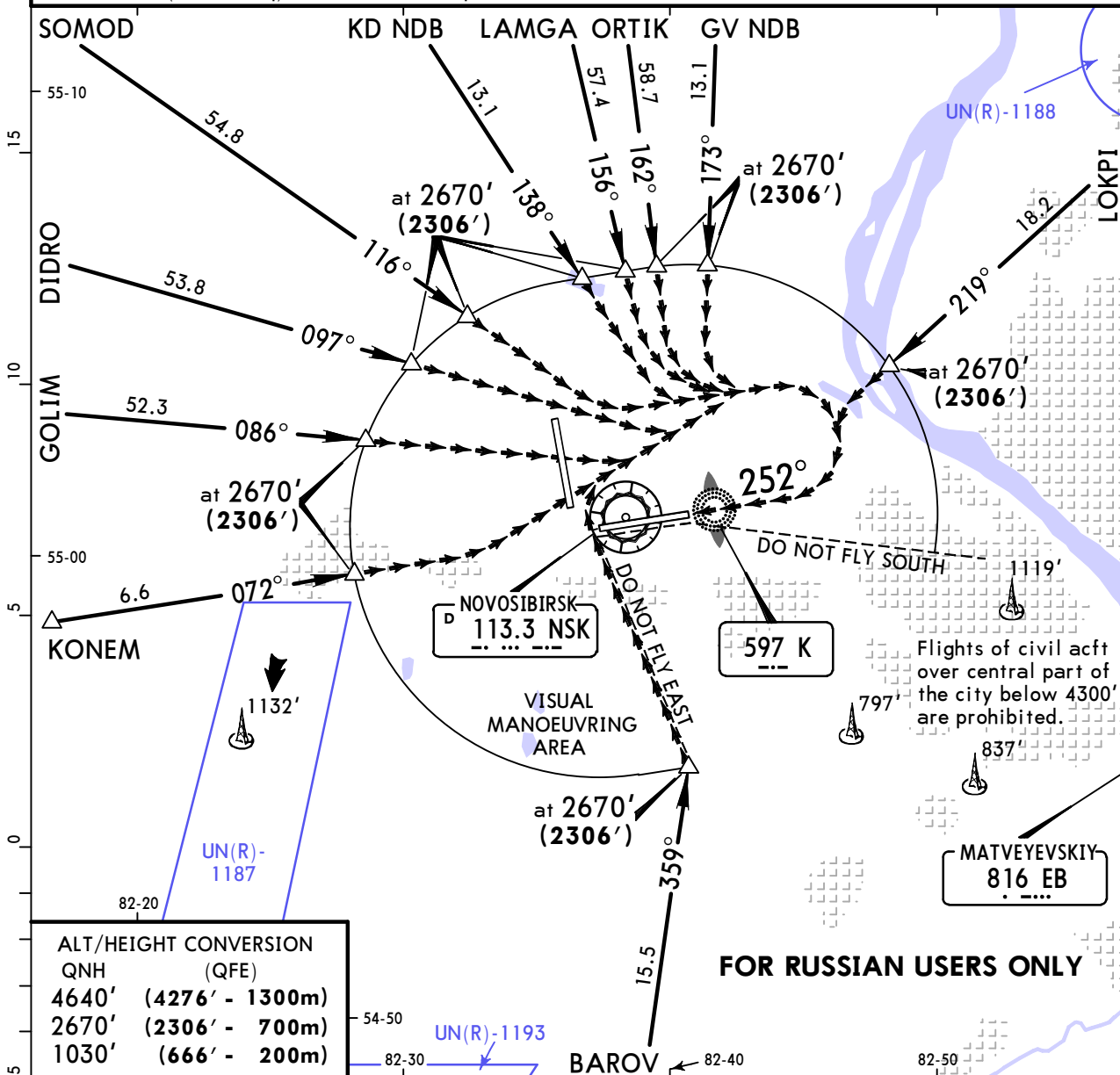
NOVOSIBIRSK, RUSSIA Circling Rwy 25

ATIS 131.3 (Russian 127.4)	NOVOSIBIRSK Approach 127.5	NOVOSIBIRSK Radar (APP/TWR) 122.0	NOVOSIBIRSK Tower 118.5	Ground 121.7
---	--------------------------------------	---	-----------------------------------	------------------------

VISUAL	Final Apch Crs 252°	No FAF	MDA(H) Refer to Minimums	Apt Elev 367' Rwy 364'	<p>MSA NSK VOR</p>
--------	-------------------------------	--------	--------------------------------	---------------------------	--------------------

MISSED APCH: Climb to 1030' (666') , turn LEFT to EB NDB climbing to 2670' (2306') , then according to chart, or as directed.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 4640' (4276')



QNH	(QFE)
4640'	(4276' - 1300m)
2670'	(2306' - 700m)
1030'	(666' - 200m)

FOR RUSSIAN USERS ONLY

HIALS	1030' (666')	EB 816	2670' (2306')
PAPI	↑	← LT	↑

LANDING RWY 25 1		CEILING REQUIRED
A	MDA(H) 760' (396')	200m - 2500m
B	860' (496')	200m - 2500m
C	960' (596')	280m - 3000m
D	1060' (696')	310m - 4000m 2

1	Circling height based on rwy 25 thresh elev of 364'.
2	Widebodied acft: MDA(H) 1350' (986') CEIL 400m VIS 5000m.

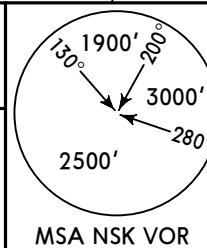
UNNT/OVB TOLMACHEVO

JEPPESEN
21 JUL 17 **19-13**

NOVOSIBIRSK, RUSSIA Circling Rwy 34

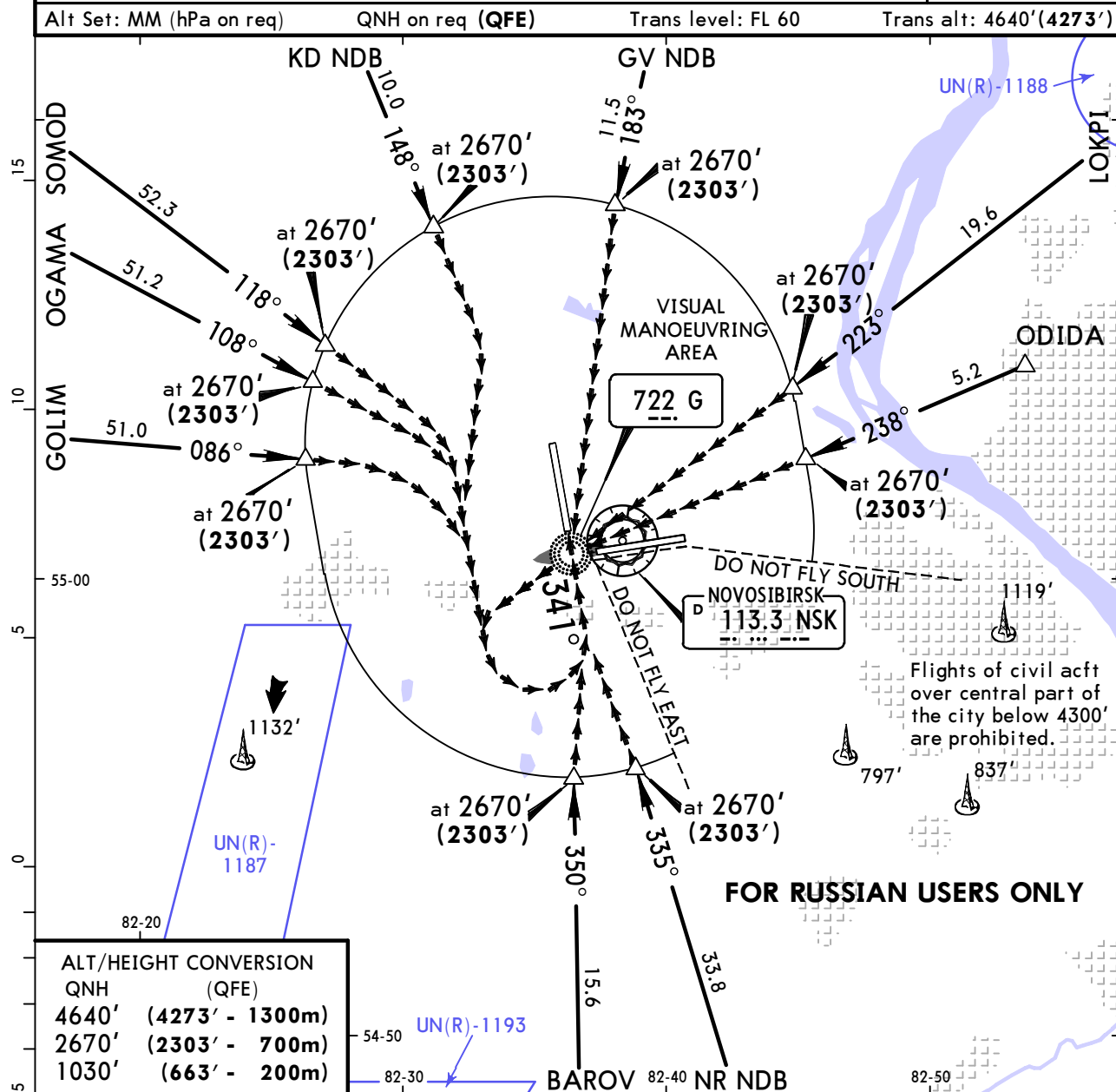
ATIS 131.3 (Russian 127.4)	NOVOSIBIRSK Approach 127.5	NOVOSIBIRSK Radar (APP/TWR) 122.0	NOVOSIBIRSK Tower 126.7	Ground 121.7
---	--------------------------------------	---	-----------------------------------	------------------------

VISUAL	Final Apch Crs 341°	No FAF	MDA(H) Refer to Minimums	Apt Elev 367' Rwy 367'
--------	----------------------------------	--------	--------------------------------	---------------------------



MISSED APCH: Climb to 1030' (663') , turn RIGHT to GV NDB climbing to 2670' (2303') , then according to chart, or as directed.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 4640' (4273')



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4273' - 1300m)
2670'	(2303' - 700m)
1030'	(663' - 200m)

HIALS	1030' (663')	GV 660	2670' (2303')
PAPI	↑	RT	↑

LANDING RWY 34 I **CEILING REQUIRED**

	MDA(H)	CEIL-VIS
A	770' (403')	200m - 2500m
B	860' (493')	200m - 2500m
C	960' (593')	280m - 3000m
D	1060' (693')	310m - 4000m 2

1 Circling height based on rwy 34 thresh elev of 367'.
2 Widebodied acct: MDA(H) 1360' (993') CEIL 400m VIS 5000m.

Chart changes since cycle 08-2019

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
-----	-----------------	-------	----------	----------

NOVOSIBIRSK, (TOLMACHEVO - UNNT)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UNNT