

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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No revision activity since Disc 04-2011

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UNNT

UNNT (Tolmachevo)**General Info**

Novosibirsk, RUS

N 55° 02.0' E 82° 35.9' 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+6:00 uses DST

Runway Info

Runway 07-25 11811' x 197' asphalt

Runway 16-34 11821' 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 **128.5** TCANovosibirsk Approach Control **127.5**Novosibirsk Approach Control **127.1**Novosibirsk Krug Radar **122.0****Notebook Info**

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 JUN 10 **10-2** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

STAR

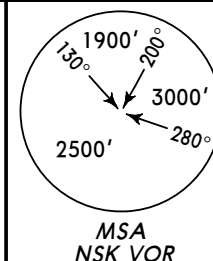
ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL59 Trans alt: 4640' (**4275'**)

GV 07D, KD 07D, KG 07D
RWY 07 ARRIVALS
FROM NORTH
FOR ARRIVALS CAT B
REFER TO CHART 10-2S

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 07D 53

NOVOTYRYSKINO
715 KD
N55 17.0 E082 24.0

-107° 287°
180°

KD 07D 15

KOLYVAN
660 GV
N55 19.0 E082 43.0

209°

GV 07D 21

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

A+ 3650'
(**3285'**)

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

A+ 3650'
(**3285'**)

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

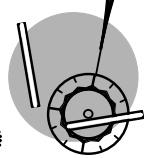
A+ 3650'
(**3285'**)

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

A+ 2670'
(**2305'**)

Intercept
final at
2010'
(**1645'**)

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4



***310 RO**
N55 00.2 E082 33.8

FL CONVERSION
FL59 **FL1800m**

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

UNNT/OVB
TOLMACHEVO

25 JUN 10

JEPPESSEN

10-2A

Eff 1 Jul

NOVOSIBIRSK, RUSSIA

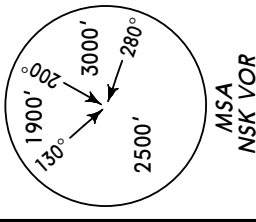
STAR

ATIS
131.3 (Russian 127.4)

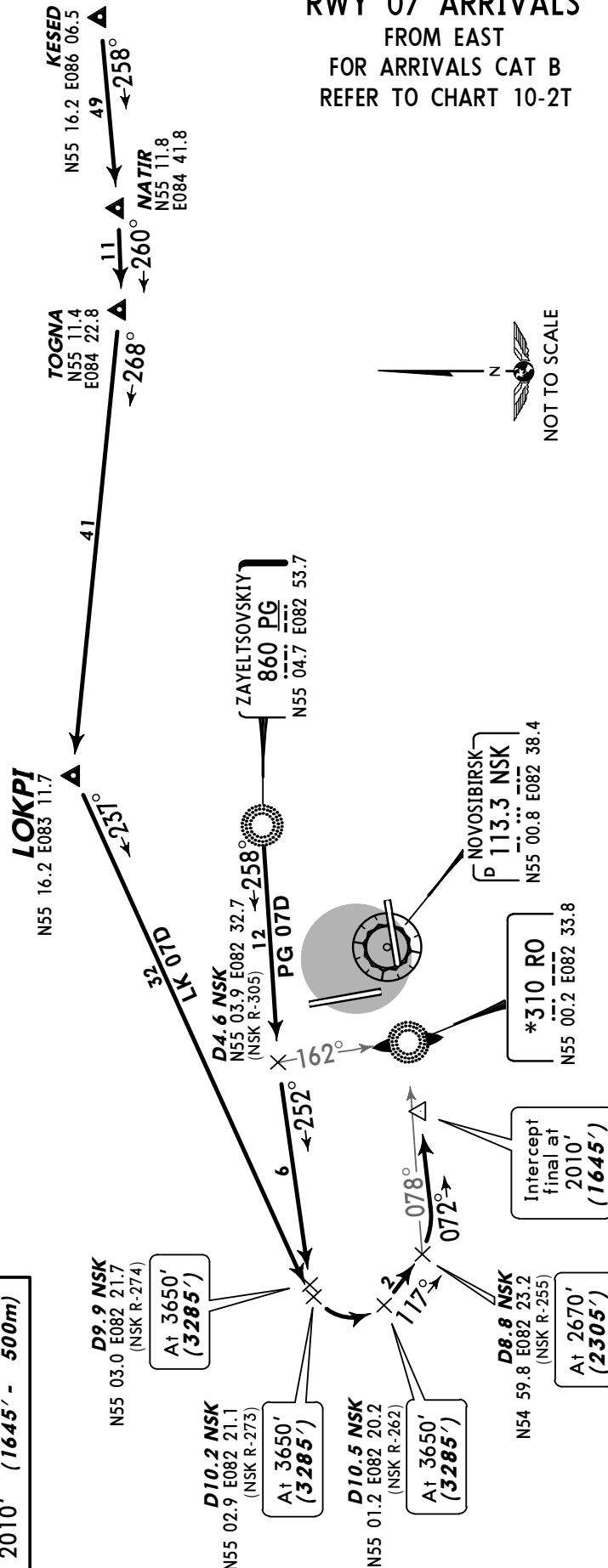
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' (**4275'**)

(QFE)



LK 07D, PG 07D
RWY 07 ARRIVALS
FROM EAST
FOR ARRIVALS CAT B
REFER TO CHART 10-2T



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

FL CONVERSION
FL59 FL1800m

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

UNNT/OVB
TOLMACHEVO

25 JUN 10

10-2B

Eff 1 Jul

NOVOSIBIRSK, RUSSIA

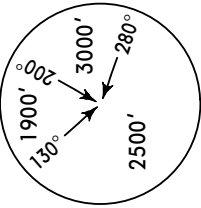
STAR

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' (**4275'**)

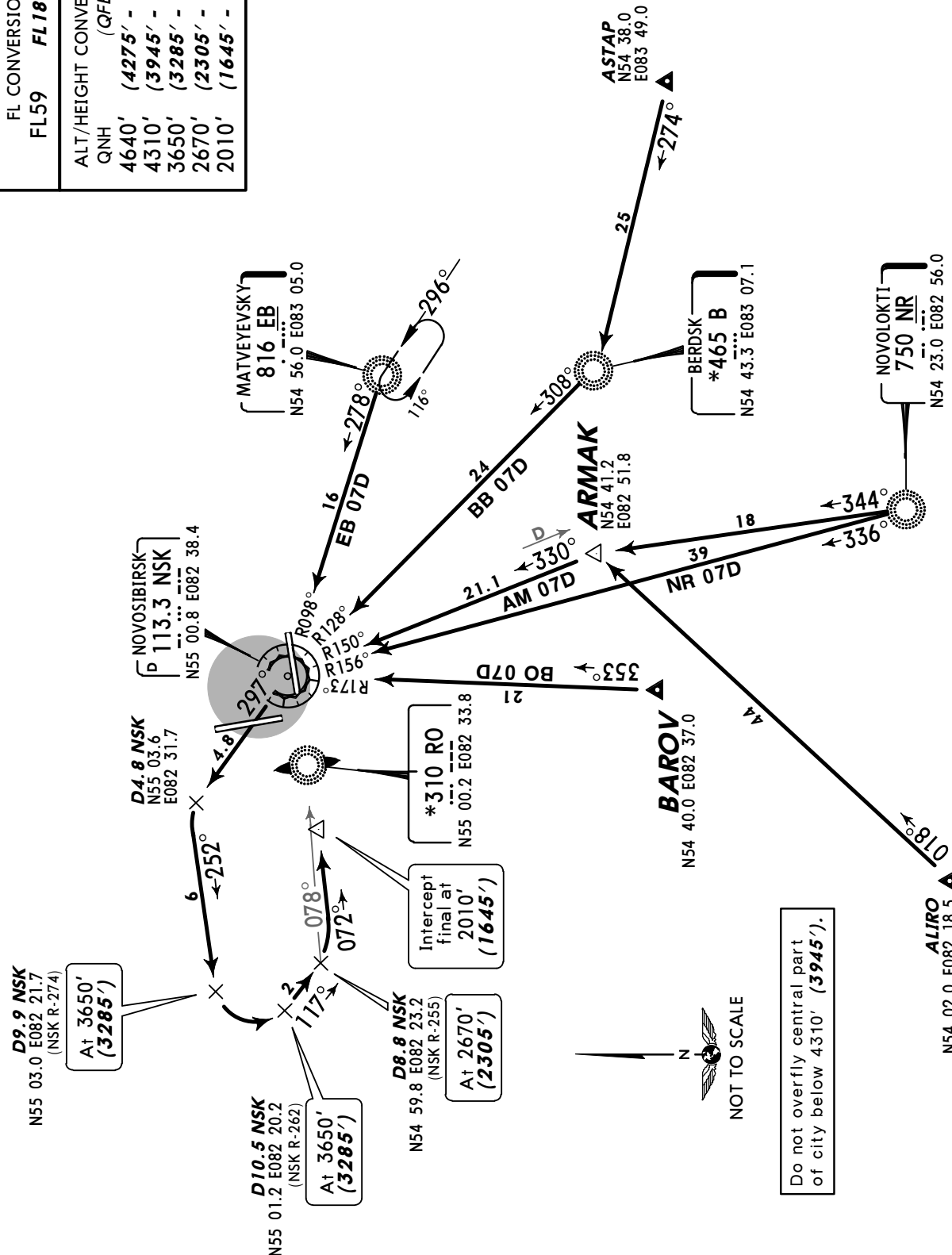
(QFE)



AM 07D, BB 07D, BO 07D, EB 07D, NR 07D
RWY 07 ARRIVALS
FROM SOUTH
FOR ARRIVALS CAT B
REFER TO CHART 10-2U

FL CONVERSION
FL59 **FL1800m**

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



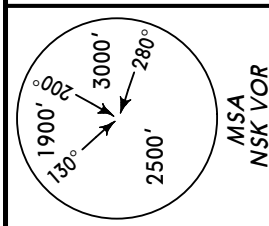
UNNT/OVB
TOLMACHEVO

JEPPESSEN
25 JUN 10 **10-2C** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

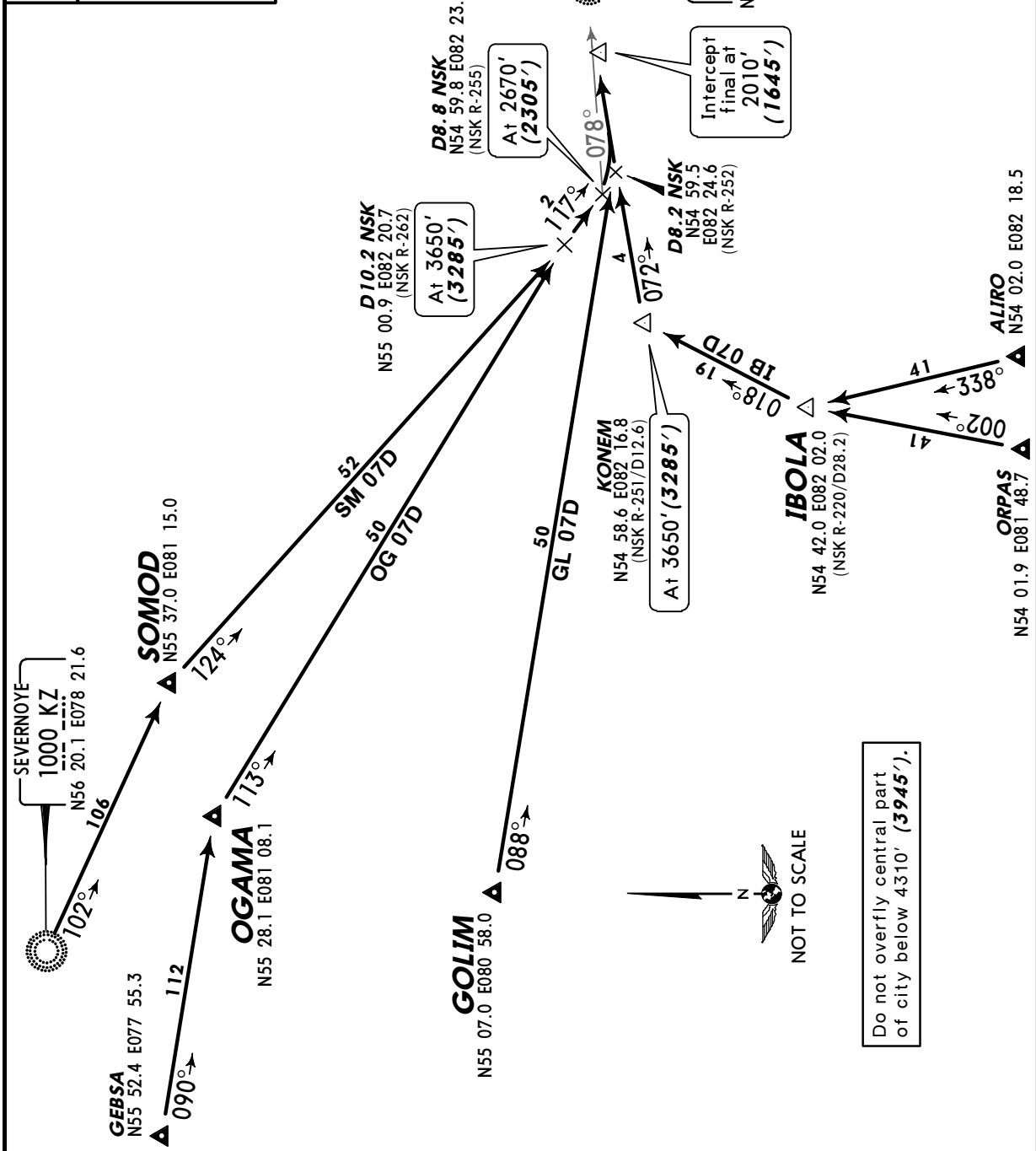
STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL59 Trans alt: 4640' (4275')	(QFE)
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GL 07D, IB 07D, OG 07D, SM 07D
RWY 07 ARRIVALS
FROM WEST
FOR ARRIVALS CAT B
REFER TO CHART 10-2V

FL CONVERSION	FL 1800m
ALT/HEIGHT CONVERSION	
QNH	(QFE)
4640'	(4275' - 1300m)
4310'	(3945' - 1200m)
3650'	(3285' - 1000m)
2670'	(2305' - 700m)
2010'	(1645' - 500m)



UNNT/OVB
TOLMACHEVO

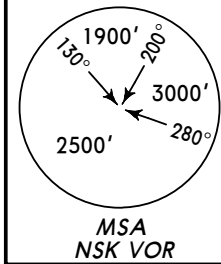
JEPPESSEN
25 JUN 10 **10-2D** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

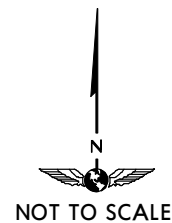
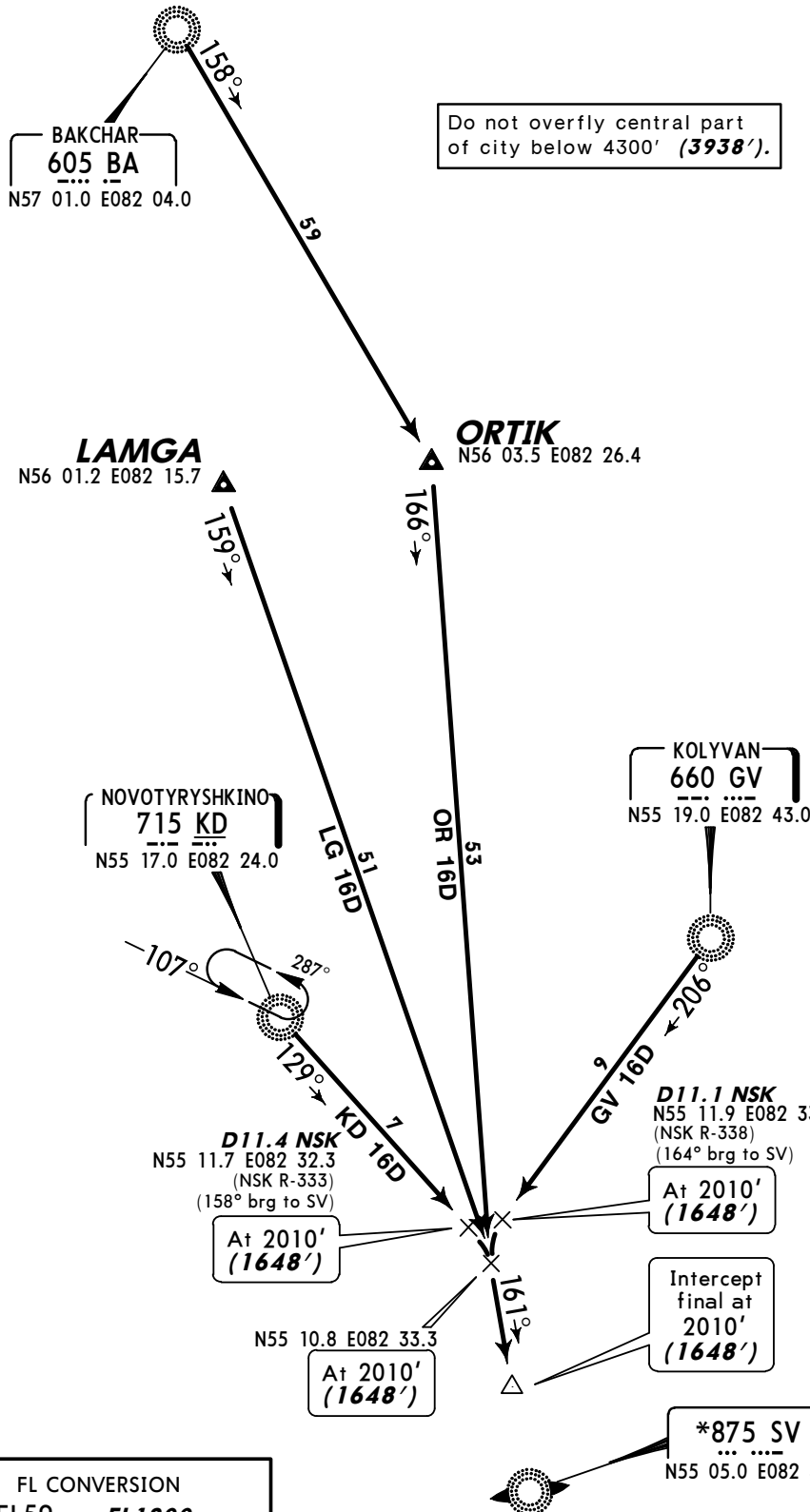
STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL59 Trans alt: 4640' (4278')	(QFE)
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GV 16D, KD 16D, LG 16D, OR 16D
RWY 16 ARRIVALS
FROM NORTH



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



UNNT/OVB
TOLMACHEVO

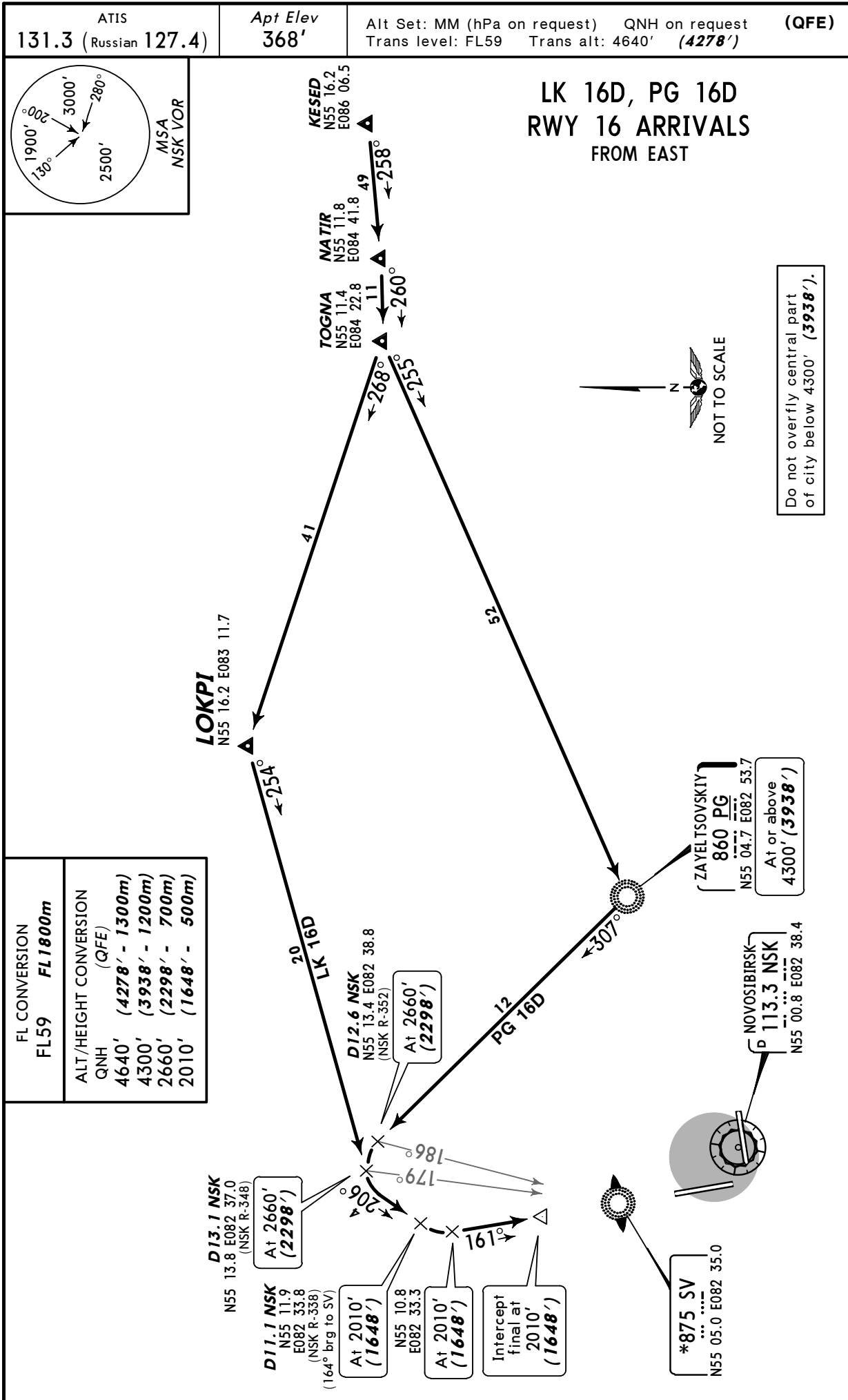
25 JUN 10

10-2E

Eff 1 Jul

NOVOSIBIRSK, RUSSIA

STAR



UNNT/OVB
TOLMACHEVO

JEPPesen
25 JUN 10 **10-2F** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

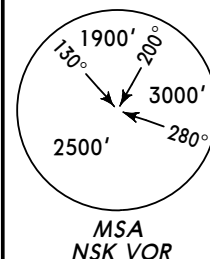
STAR

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

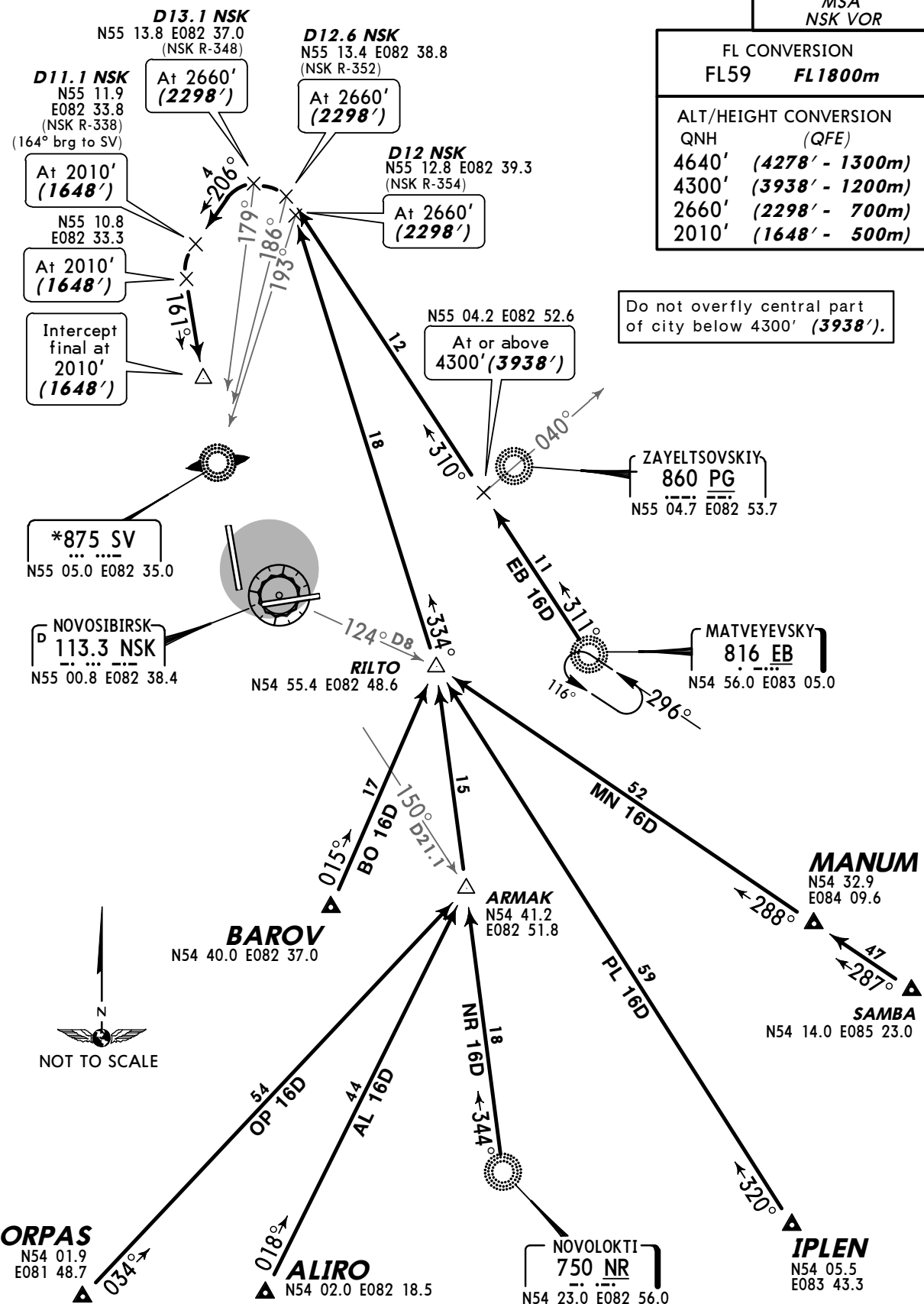
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL59 Trans alt: 4640' (**4278'**)

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



FL CONVERSION
FL59 **FL1800m**

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

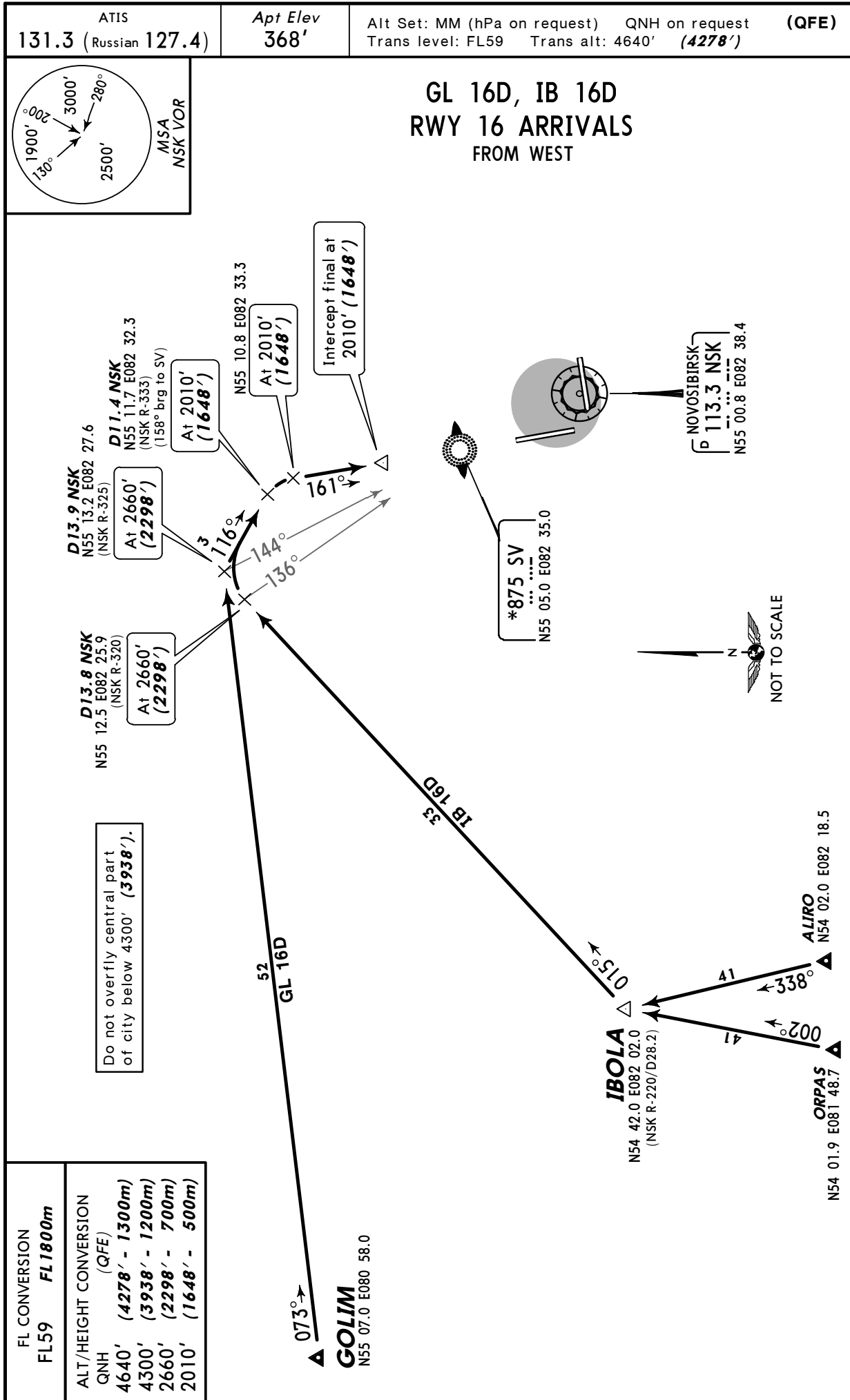


UNNT/OVB
TOLMACHEVO

JEPPESSEN
25 JUN 10 **10-2G** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

STAR



**UNNT/OVB
TOLMACHEVO**

JEPPESSEN
17 DEC 10 (10-2H)

NOVOSIBIRSK, RUSSIA

STAR

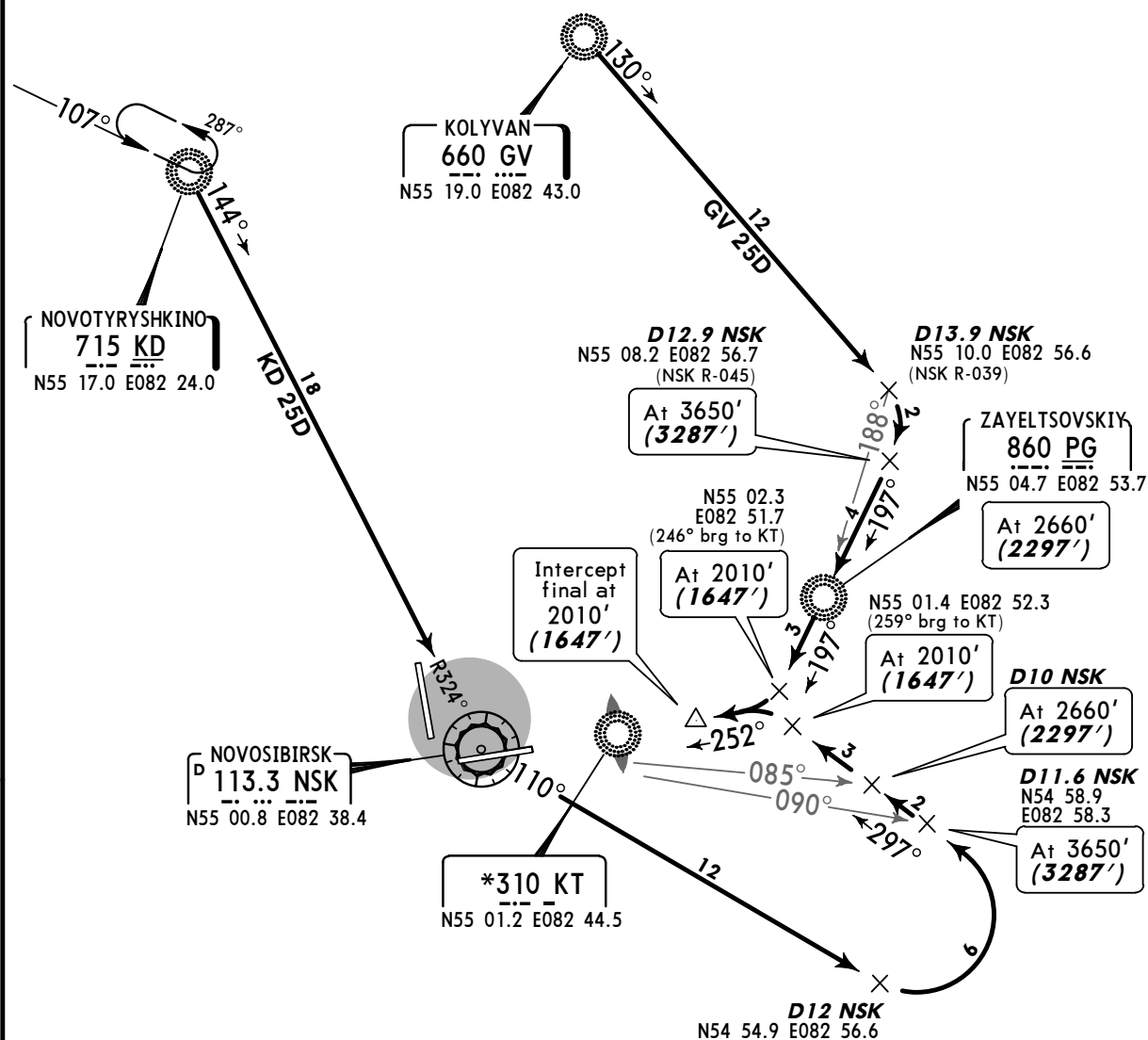
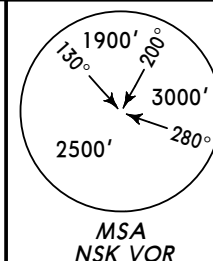
ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL59 Trans alt: 4640' (4277')

**GV 25D, KD 25D
RWY 25 ARRIVALS
FROM NORTH
FOR ARRIVALS CAT B
REFER TO CHART 10-2W**

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



FL CONVERSION
FL59 *FL1800m*

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



UNNT/OVB
TOLMACHEVO

17 DEC 10

JEPPESSEN

(10-2J)

NOVOSIBIRSK, RUSSIA

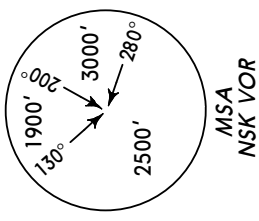
STAR

ATIS
131.3 (Russian 127.4)

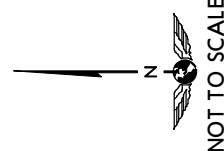
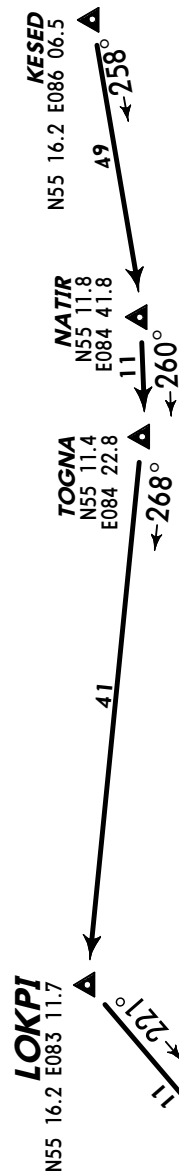
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' (**4277'**)

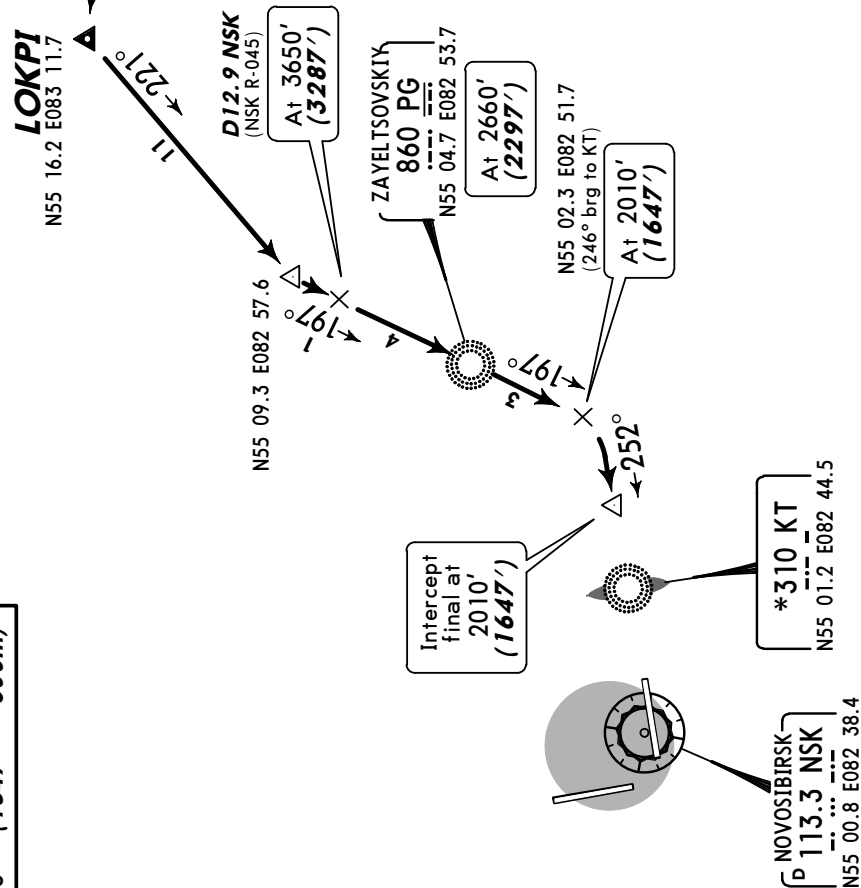
(QFE)



LK 25D
RWY 25 ARRIVAL
FROM EAST



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



FL CONVERSION	ALT/HEIGHT CONVERSION
FL59 FL1800m	QNH (QFE)
	4640' (4277' - 1300m)
	4300' (3937' - 1200m)
	3650' (3287' - 1000m)
	2660' (2297' - 700m)
	2010' (1647' - 500m)

UNNT/OVB
TOLMACHEVO

JEPPESSEN
25 JUN 10 **10-2K** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

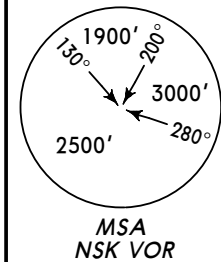
STAR

ATIS
131.3 (Russian 127.4)

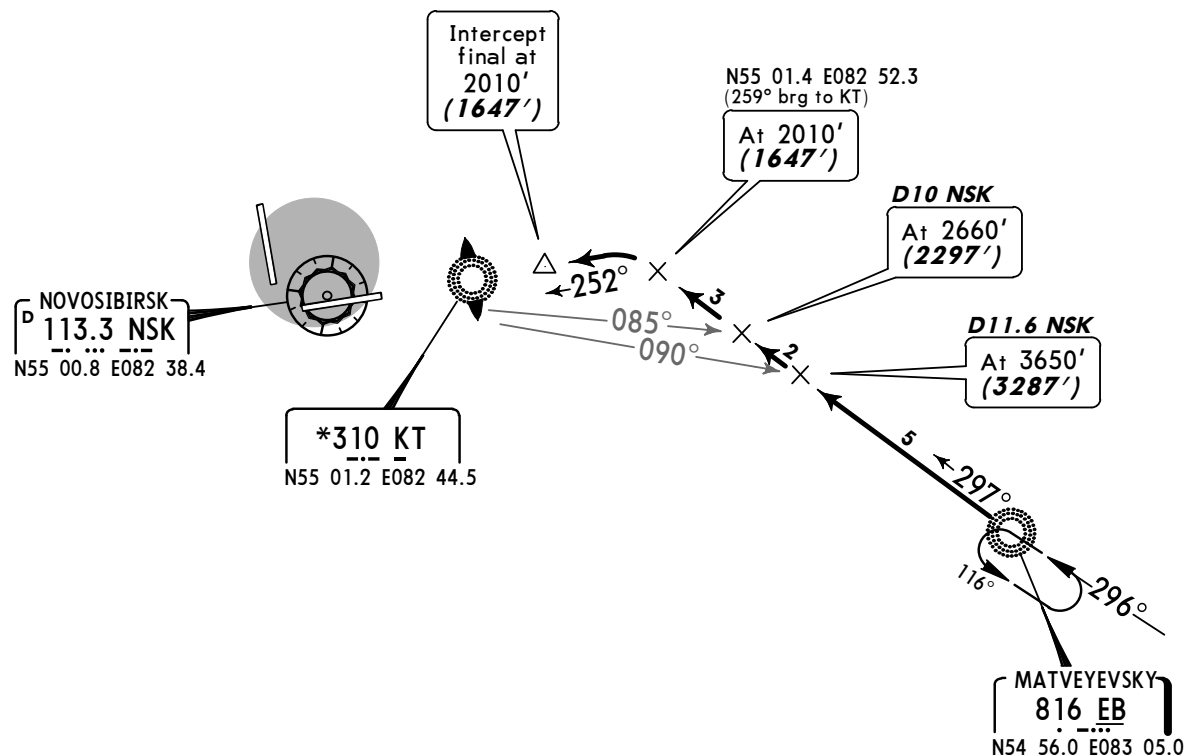
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL59 Trans alt: 4640' **(4277')**

EB 25D
RWY 25 ARRIVAL
FROM SOUTH
FOR ARRIVALS CAT B
REFER TO CHART 10-2X



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



FL CONVERSION
FL59 **FL1800m**

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



UNNT/OVB
TOLMACHEVO

25 JUN 10

10-2L

Eff 1 Jul

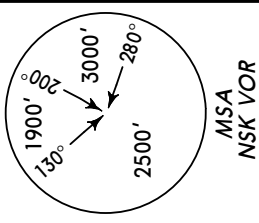
NOVOSIBIRSK, RUSSIA

STAR

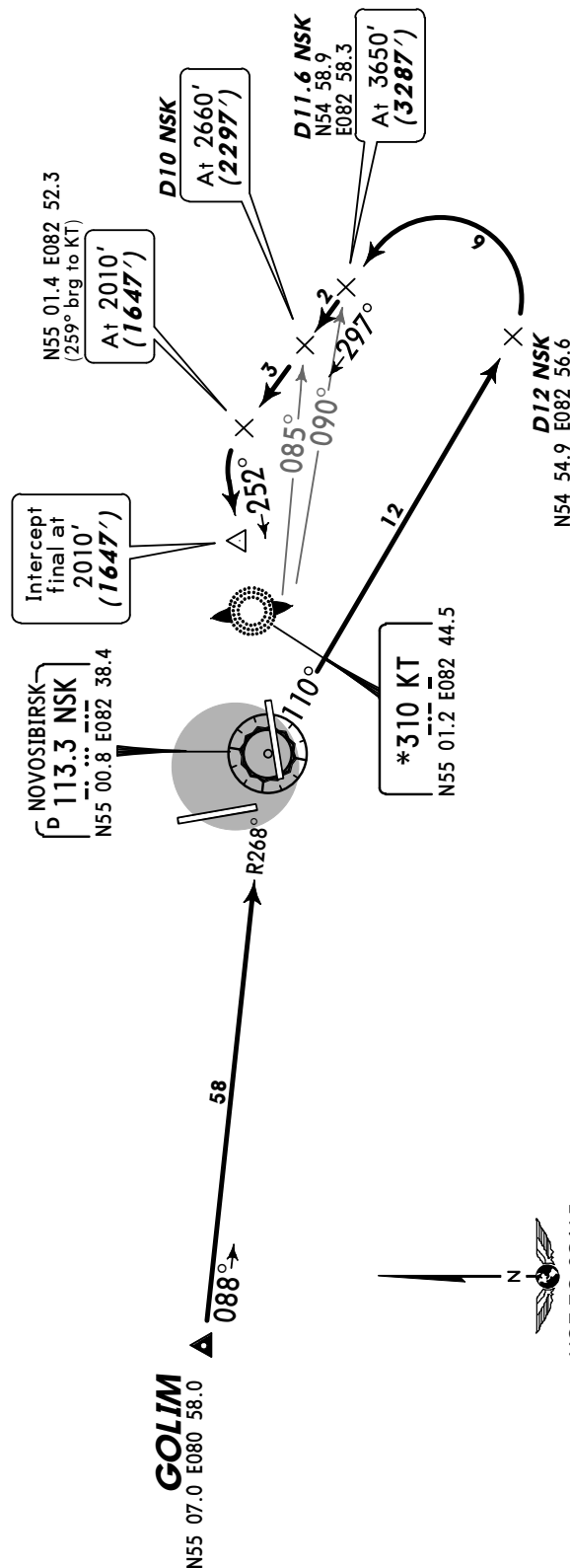
ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL59 Trans alt: 4640' (**4277'**)



GL 25D
RWY 25 ARRIVAL
FROM WEST
FOR ARRIVALS CAT B
REFER TO CHART 10-2X



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

FL CONVERSION
FL59 FL1800m

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 JUN 10 **(10-2M)** **Eff 1 Jul**

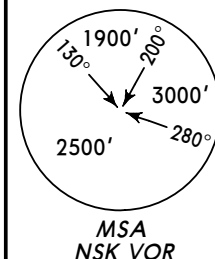
NOVOSIBIRSK, RUSSIA
STAR

ATIS
131.3 (Russian 127.4)

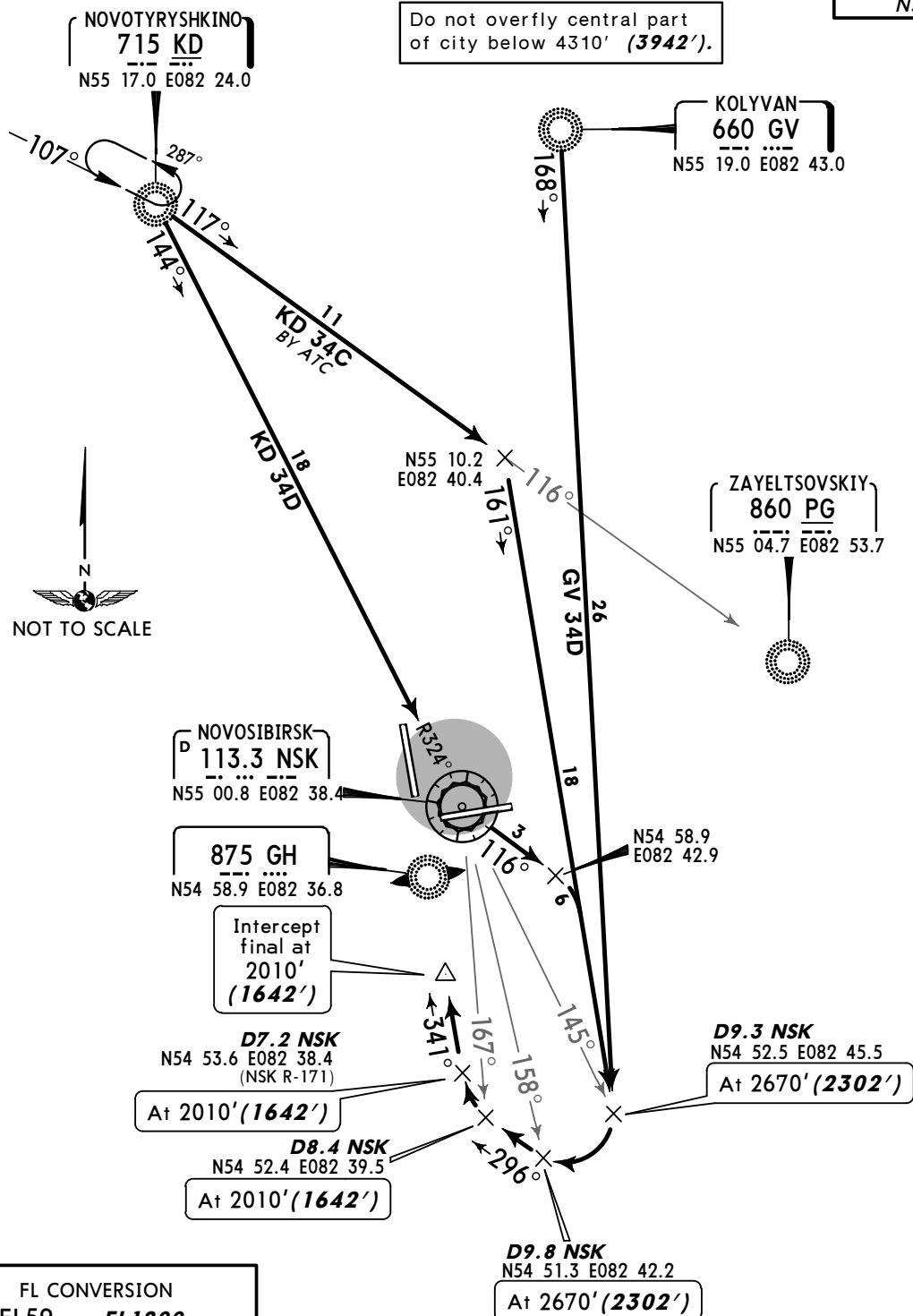
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL59 Trans alt: 4640' (**4272'**)

GV 34D, KD 34C, KD 34D
RWY 34 ARRIVALS
FROM NORTH
FOR ARRIVALS CAT B
REFER TO CHART 10-2X1



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



FL CONVERSION
FL59 **FL1800m**

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

UNNT/OVB
TOLMACHEVO

JEPPESSEN
25 JUN 10 **(10-2N)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

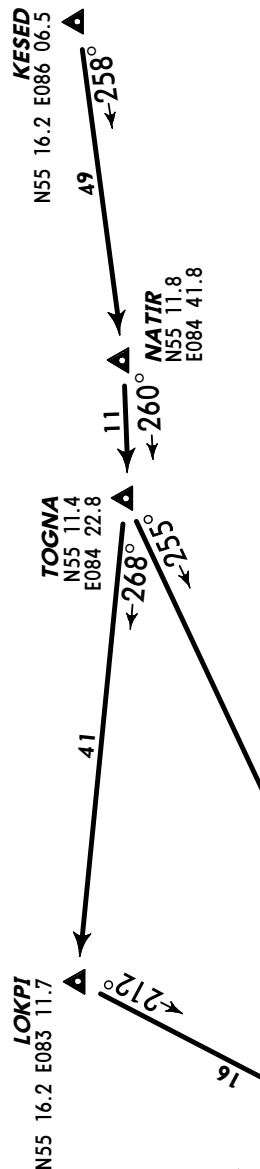
STAR

ATIS
131.3 (Russian 127.4)

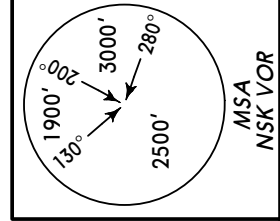
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' (**4272'**)

(QFE)

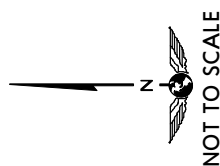


PG 34D
RWY 34 ARRIVAL
FROM EAST
FOR ARRIVALS CAT B
REFER TO CHART 10-X2

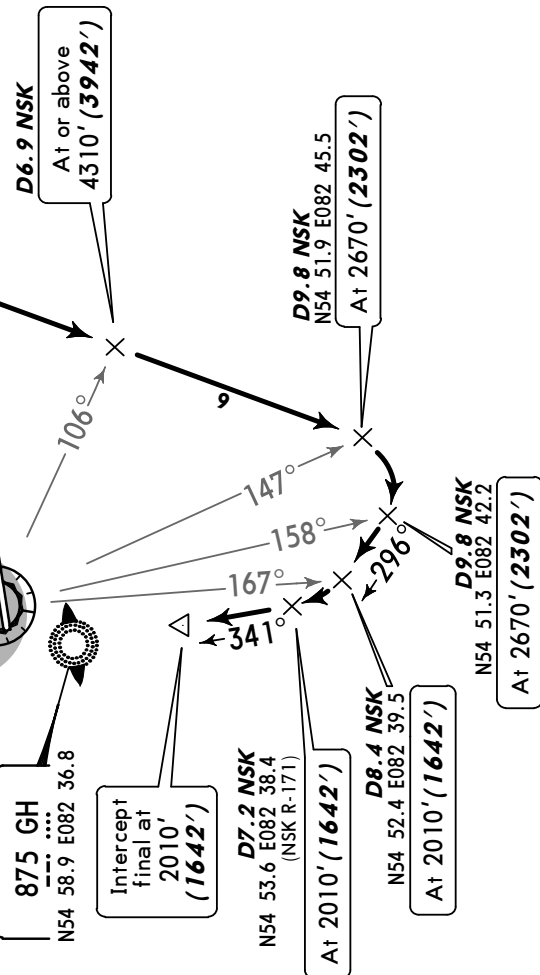


Do not overfly central part
of city below 4310' (**3942'**).

FL CONVERSION	
FL59	FL1800m
ALT/HEIGHT CONVERSION (QFE)	
QNH	ALT/HEIGHT
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

JEPPESSEN
25 JUN 10 **10-2P** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

STAR

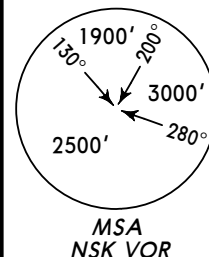
ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' (**4272'**)

(QFE)

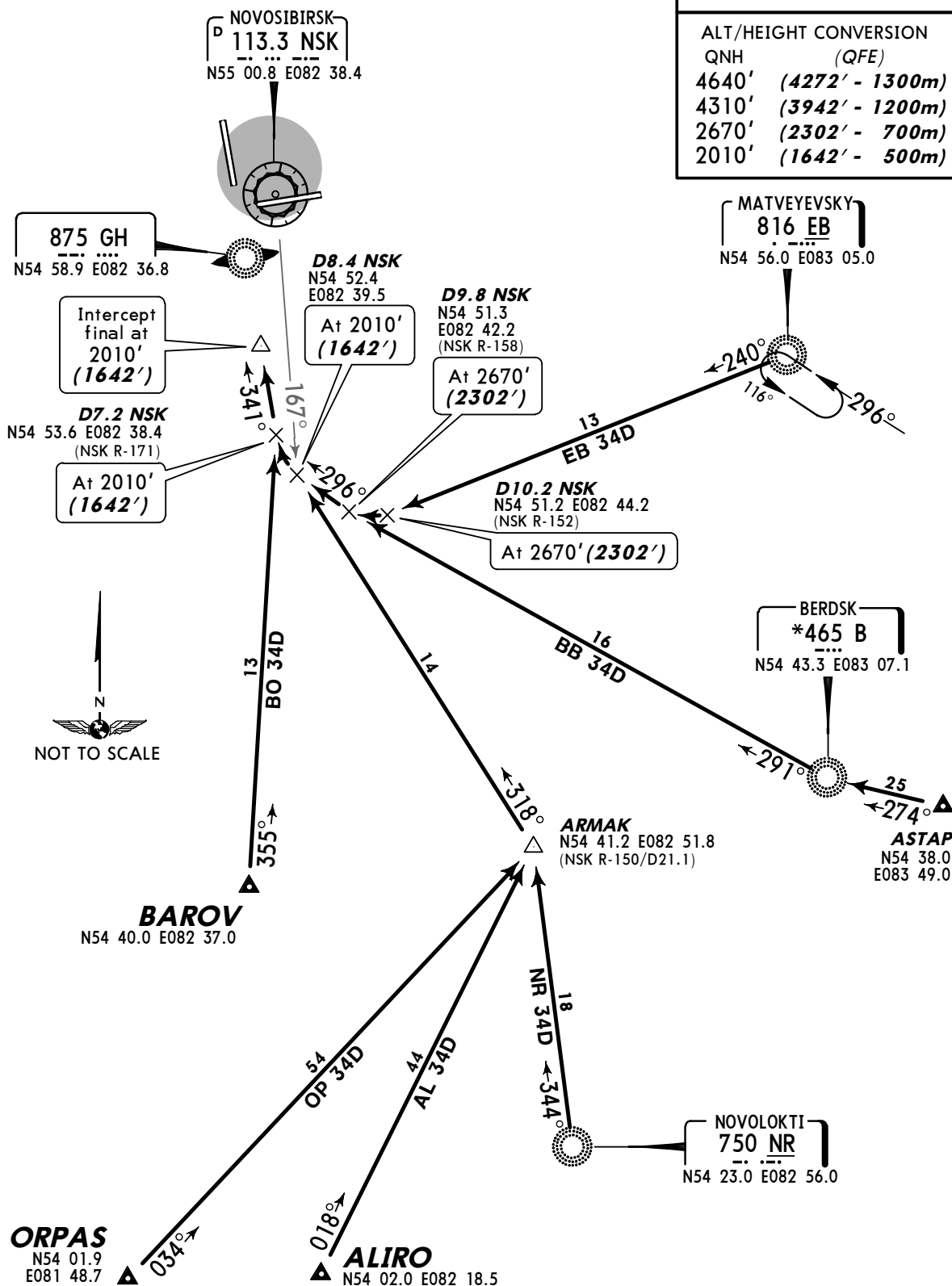
AL 34D, BB 34D, BO 34D, EB 34D, NR 34D, OP 34D
RWY 34 ARRIVALS
FROM SOUTH
FOR ARRIVALS CAT B
REFER TO CHART 10-2X3



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

FL CONVERSION
FL59 **FL 1800m**

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



UNNT/OVB
TOLMACHEVO

JEPPESEN
25 JUN 10 **(10-2Q)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)

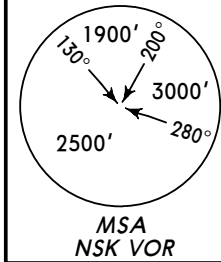
Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' (**4272'**)

(QFE)

GL 34D
RWY 34 ARRIVAL
FROM WEST
FOR ARRIVALS CAT B
REFER TO CHART 10-2X4

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



GOLIM
N55 07.0
E080 58.0

086°

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

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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

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'**)

FL CONVERSION
FL59 **FL1800m**

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

UNNT/OVB
TOLMACHEVO

JEPPESEN
10 SEP 10 **10-2S** **Eff 23 Sep**

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

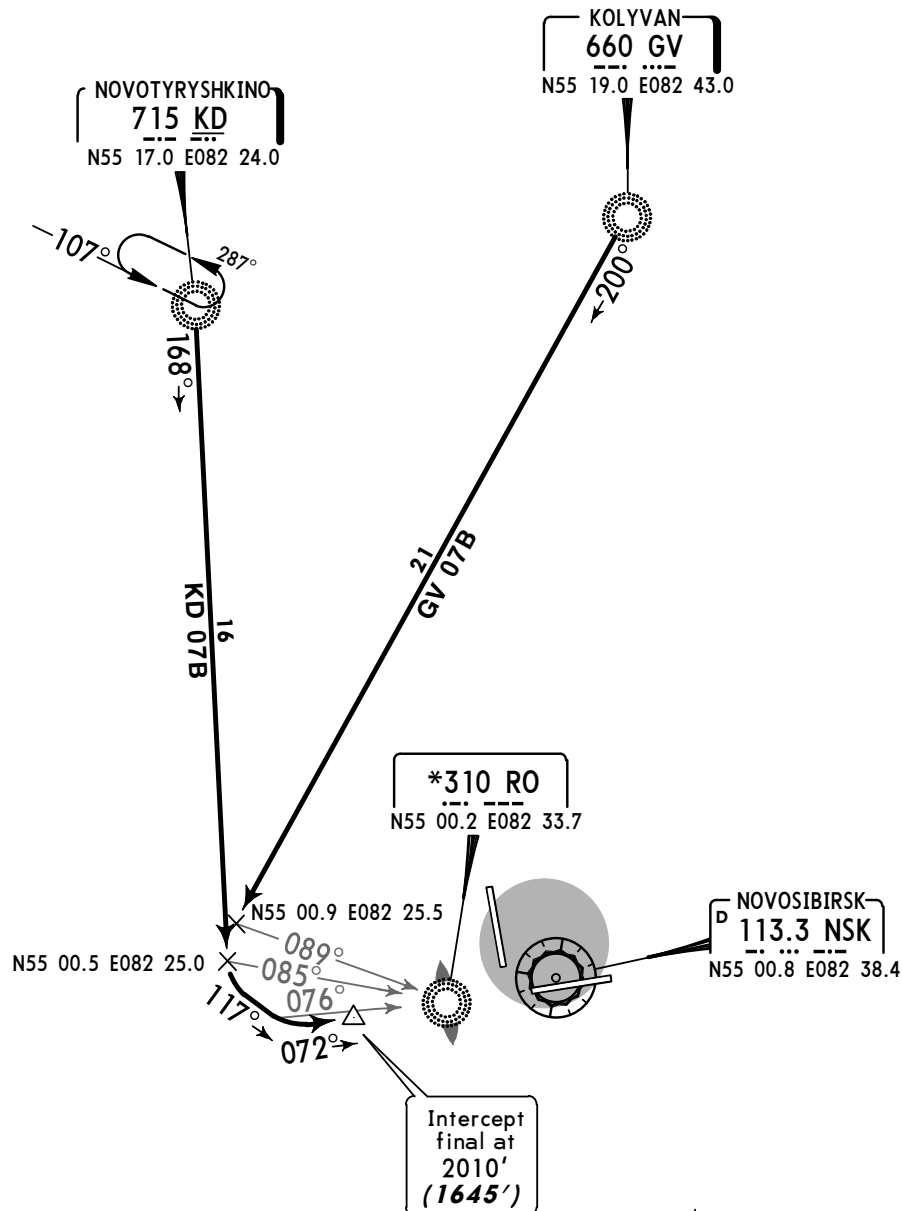
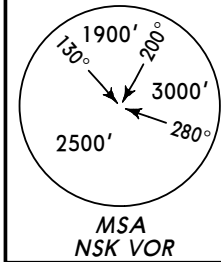
Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' (**4275'**)

(QFE)

GV 07B, KD 07B
RWY 07 ARRIVALS

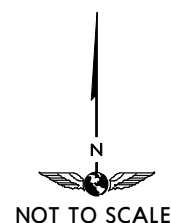
CAT B

FROM NORTH



FL CONVERSION
FL59 **FL1800m**

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



UNNT/OVB
TOLMACHEVO

JEPPESEN
10 SEP 10 **(10-2T)** **Eff 23 Sep**

NOVOSIBIRSK, RUSSIA

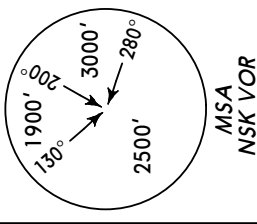
STAR

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' (**4275'**)

(QFE)



LK 07B, PG 07B
RWY 07 ARRIVALS

CAT B
FROM EAST

LOKPI
N55 16.2 E083 11.7
←237°

TOGNA
N55 11.4 E084 22.8
←268°

NATIR
N55 11.8 E084 41.8
←260°

KESED
N55 16.2 E086 06.5
←258°

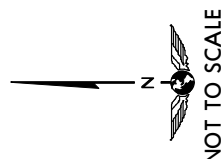
ZAYELTSOVSKIY
860 PG
N55 04.7 E082 53.7



NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4

FL CONVERSION
FL59 **FL1800m**

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



***310 RO**
N55 00.2 E082 33.7

Intercept final at
2010'
(1645')

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4

UNNT/OVB
TOLMACHEVO

JEPPESEN
10 SEP 10 **10-2U** **Eff 23 Sep**

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

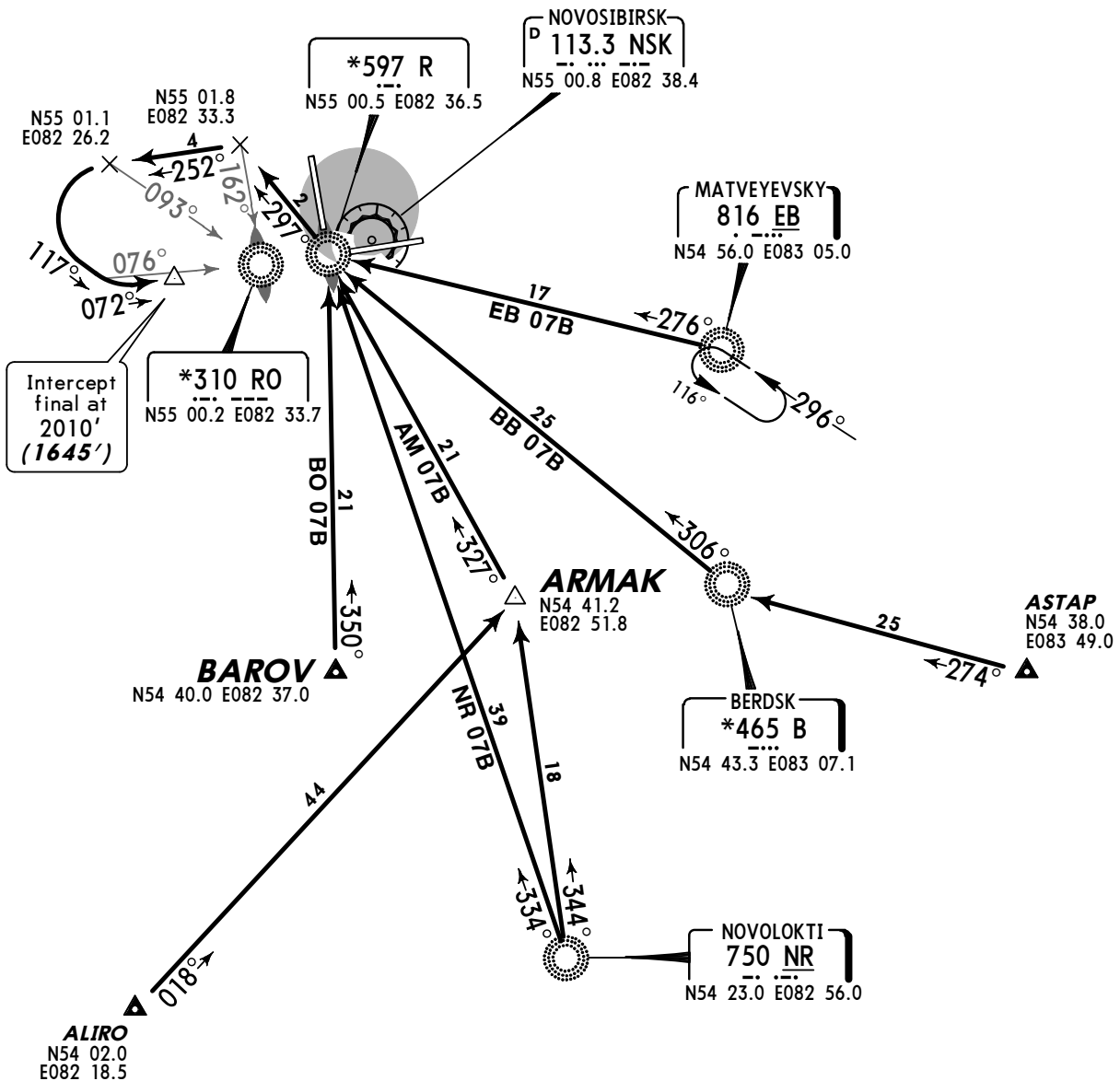
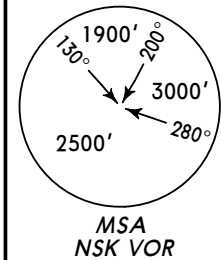
Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' (**4275'**)

(QFE)

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

CAT B

FROM SOUTH



FL CONVERSION
FL59 **FL1800m**

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



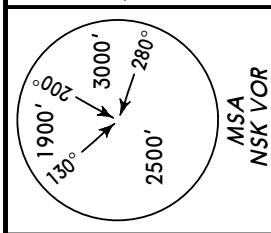
UNNT/OVB
TOLMACHEVO

JEPPESEN
10 SEP 10 **(10-2V)** **Eff 23 Sep**

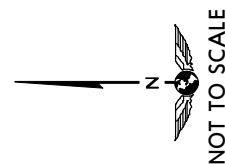
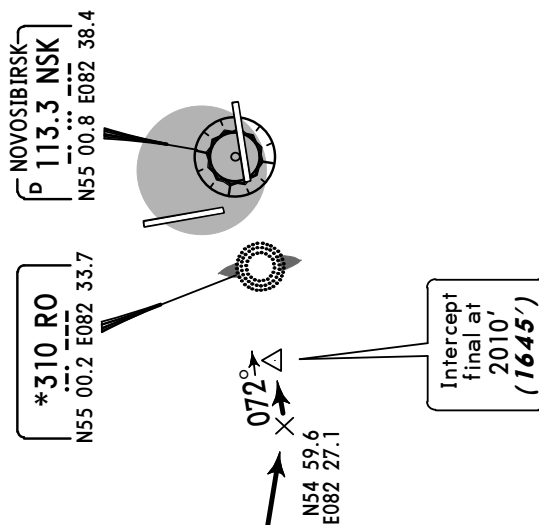
NOVOSIBIRSK, RUSSIA

STAR

ATIS 131.3 (Russian 127.4)	Apt Elev 368'	Alt Set: MM (hPa on request) QNH on request Trans level: FL59 Trans alt: 4640' (4275')	(QFE)
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GL 07B
RWY 07 ARRIVAL
CAT B
FROM WEST



GOLIM
N55 07.0 E080 58.0

FL CONVERSION FL59 FL1800m	ALT/HEIGHT CONVERSION QNH (QFE) 4640' (4275' - 1300m) 2010' (1645' - 500m)
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UNNT/OVB
TOLMACHEVO

JEPPesen
25 JUN 10 **(10-2W)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

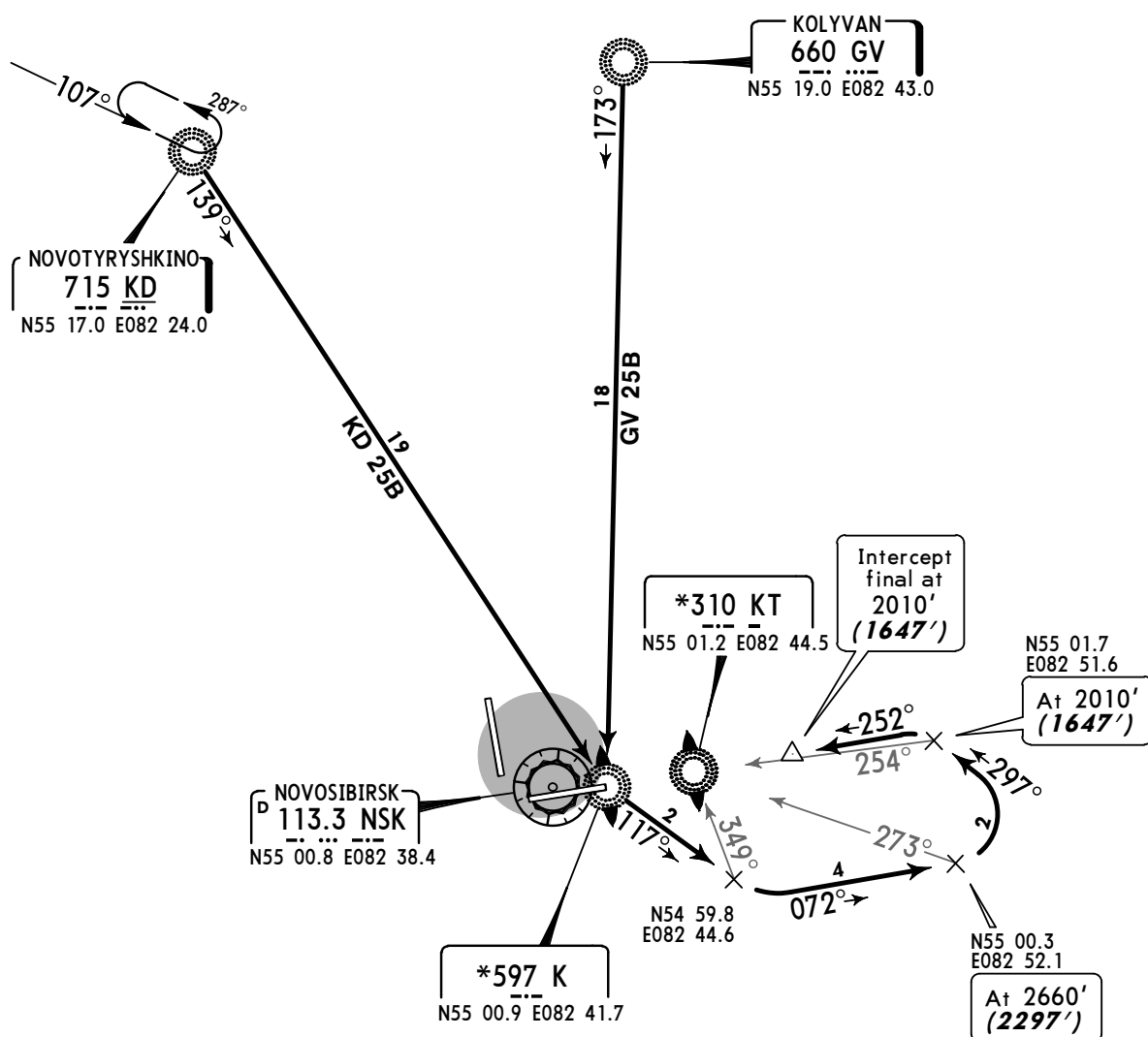
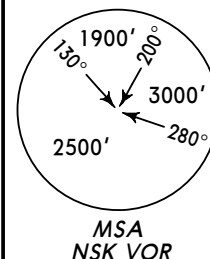
Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL59 Trans alt: 4640' **(4277')**

GV 25B, KD 25B
RWY 25 ARRIVALS

CAT B

FROM NORTH

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



FL CONVERSION
FL59 **FL1800m**

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



UNNT/OVB
TOLMACHEVO

25 JUN 10

JEPPESEN

NOVOSIBIRSK, RUSSIA

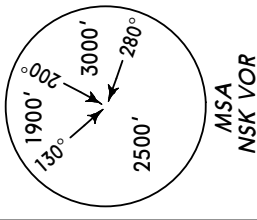
Eff 1 Jul**STAR**

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' (**4275'**)

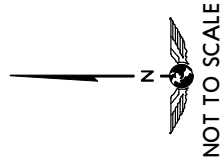
(QFE)



EB 25B, GL 25B
RWY 25 ARRIVALS

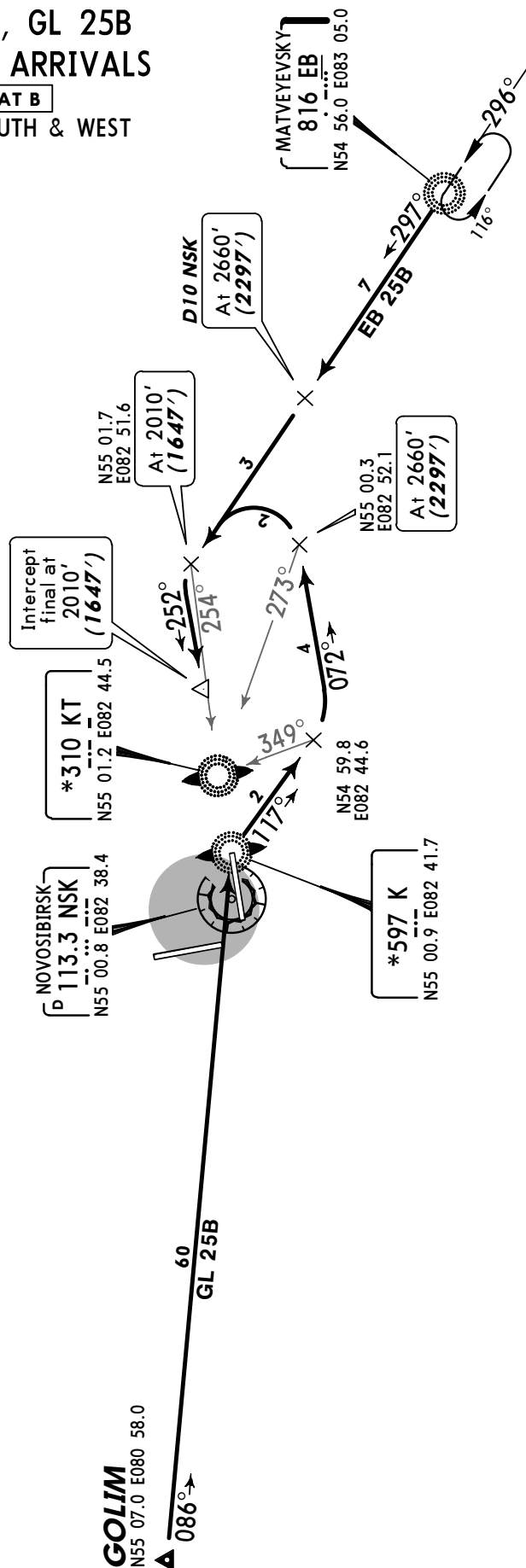
CAT B

FROM SOUTH & WEST



NOT TO SCALE

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



FL CONVERSION FL59 FL1800m	ALT/HEIGHT CONVERSION (QFE)
	QNH
	4640' (4277' - 1300m)
	4300' (3937' - 1200m)
	2660' (2297' - 700m)
	2010' (1647' - 500m)

UNNT/OVB
TOLMACHEVO

25 JUN 10

JEPPESEN

NOVOSIBIRSK, RUSSIA

Eff 1 Jul**STAR**

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

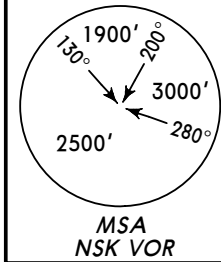
Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' **(4272')**

(QFE)

**GV 34B, KD 34B, KD 34E
RWY 34 ARRIVALS**

CAT B

FROM NORTH



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

NOVOTYRYSHKINO
715 KD
N55 17.0 E082 24.0

KOLYVAN
660 GV
N55 19.0 E082 43.0

ZAYELTSOVSKIY
860 PG
N55 04.7 E082 53.7

NOVOSIBIRSK
113.3 NSK
N55 00.8 E082 38.4

722 G
N55 00.6 E082 36.3

875 GH
N54 58.9 E082 36.8

Intercept
final at
2010'
(1642')

N54 55.0
E082 38.0
At 2010'
(1642')

At 2010'
(1642')

N54 54.2
E082 42.0
At 2670
(2302')

N54 53.6
E082 41.2
At 2670'
(2302')

FL CONVERSION
FL59 ***FL1800m***

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



NOT TO SCALE

UNNT/OVB
TOLMACHEVO

25 JUN 10

JEPPESEN

NOVOSIBIRSK, RUSSIA

Eff 1 Jul**STAR**

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

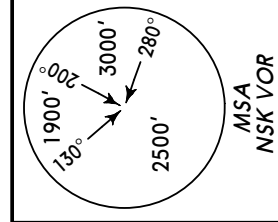
Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' (**4272'**)

(QFE)

PG 34B
RWY 34 ARRIVAL

CAT B

FROM EAST

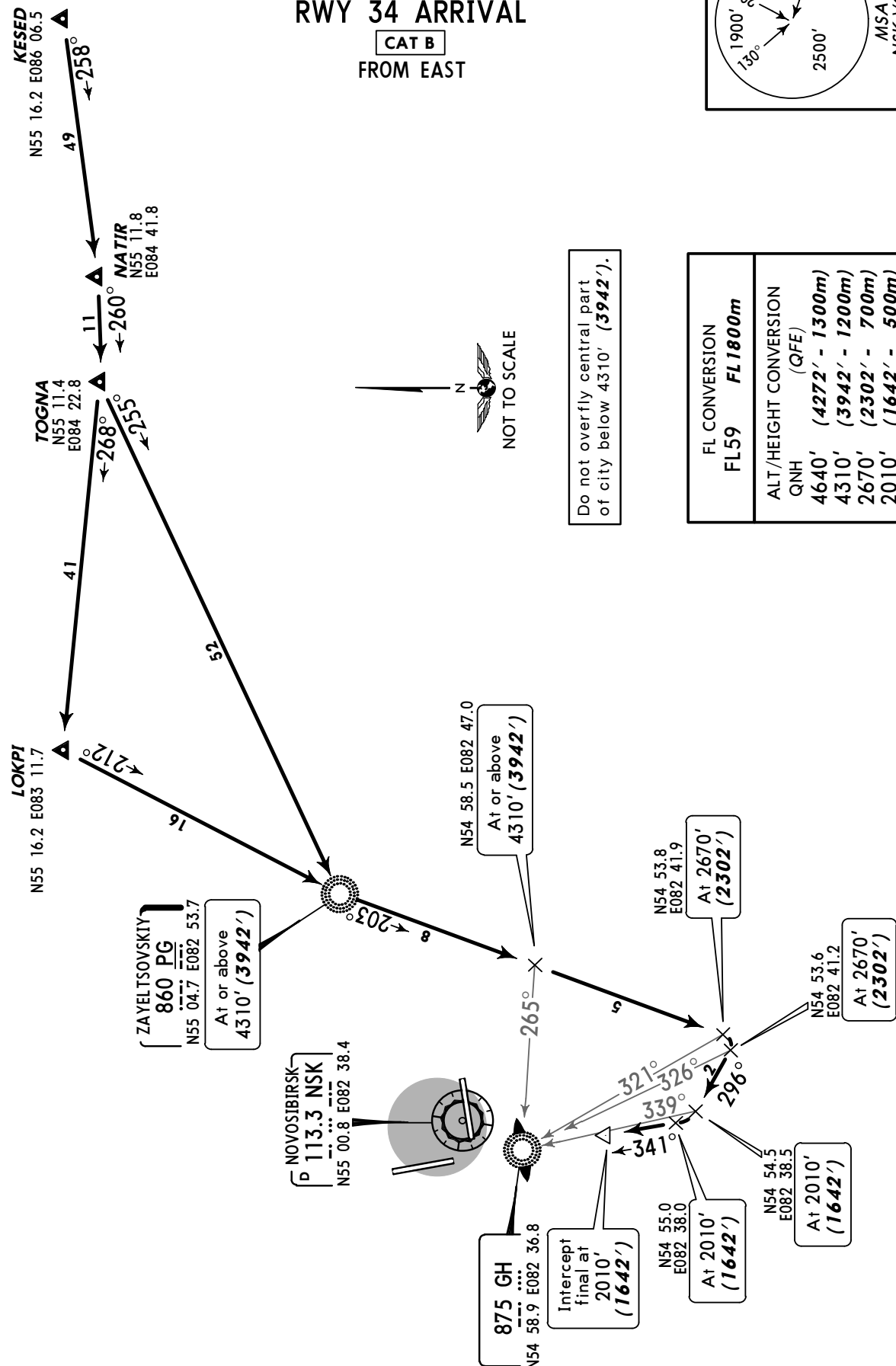


MSA
NSK VOR

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

FL CONVERSION
FL59 <i>FL1800m</i>

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



UNNT/OVB
TOLMACHEVO

JEPPesen
25 JUN 10 **(10-2X3)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

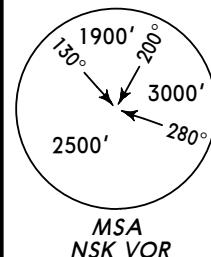
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL59 Trans alt: 4640' (**4272'**)

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

CAT B

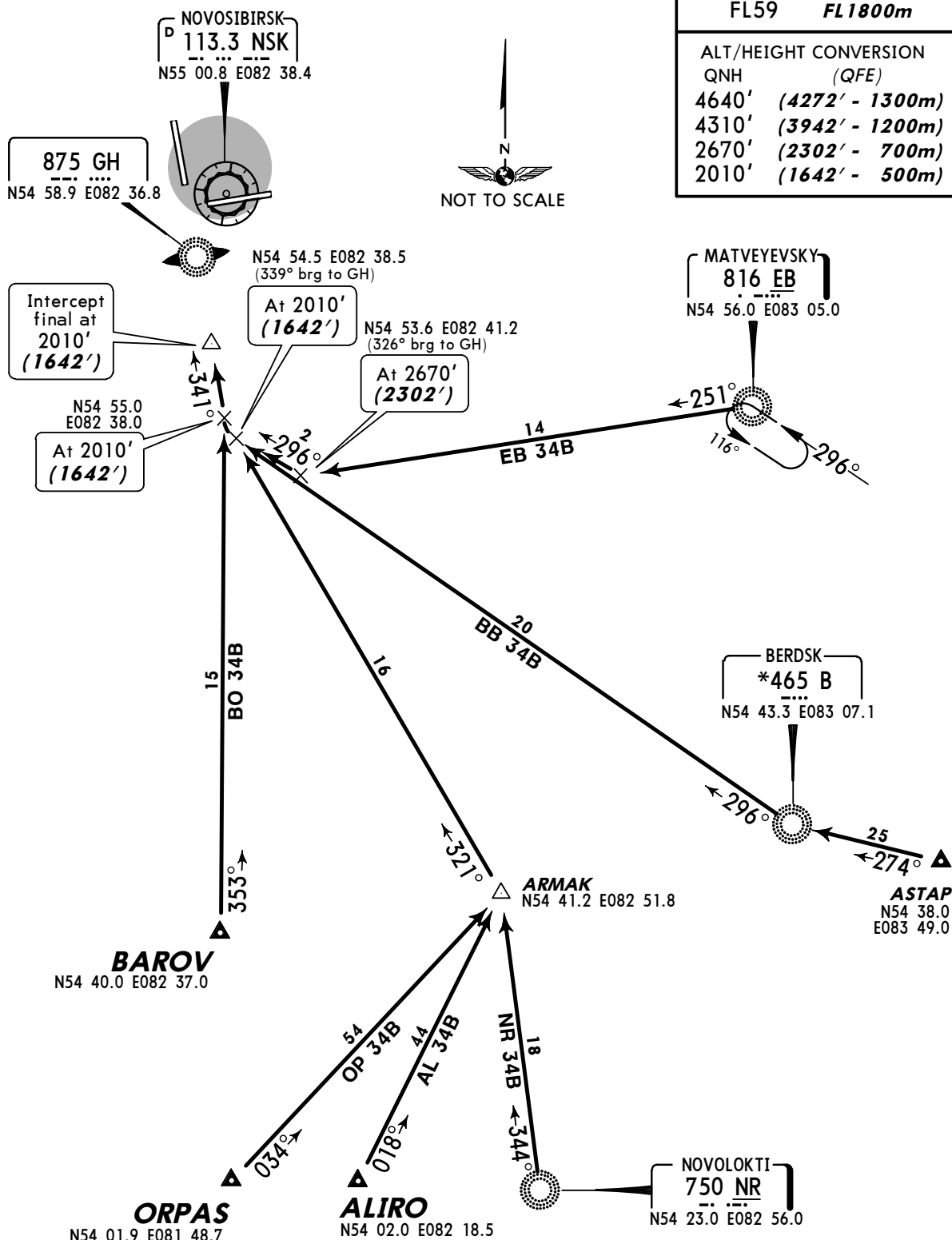
FROM SOUTH

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



FL CONVERSION
FL59 **FL 1800m**

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



**UNNT/OVB
TOLMACHEVO**

JEPPESEN
25 JUN 10 (10-2X4) Eff 1 Jul

NOVOSIBIRSK, RUSSIA

STAR

ATIS
131.3 (Russian 127.4)

Apt Elev
368'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL59 Trans alt: 4640' **(4272')**

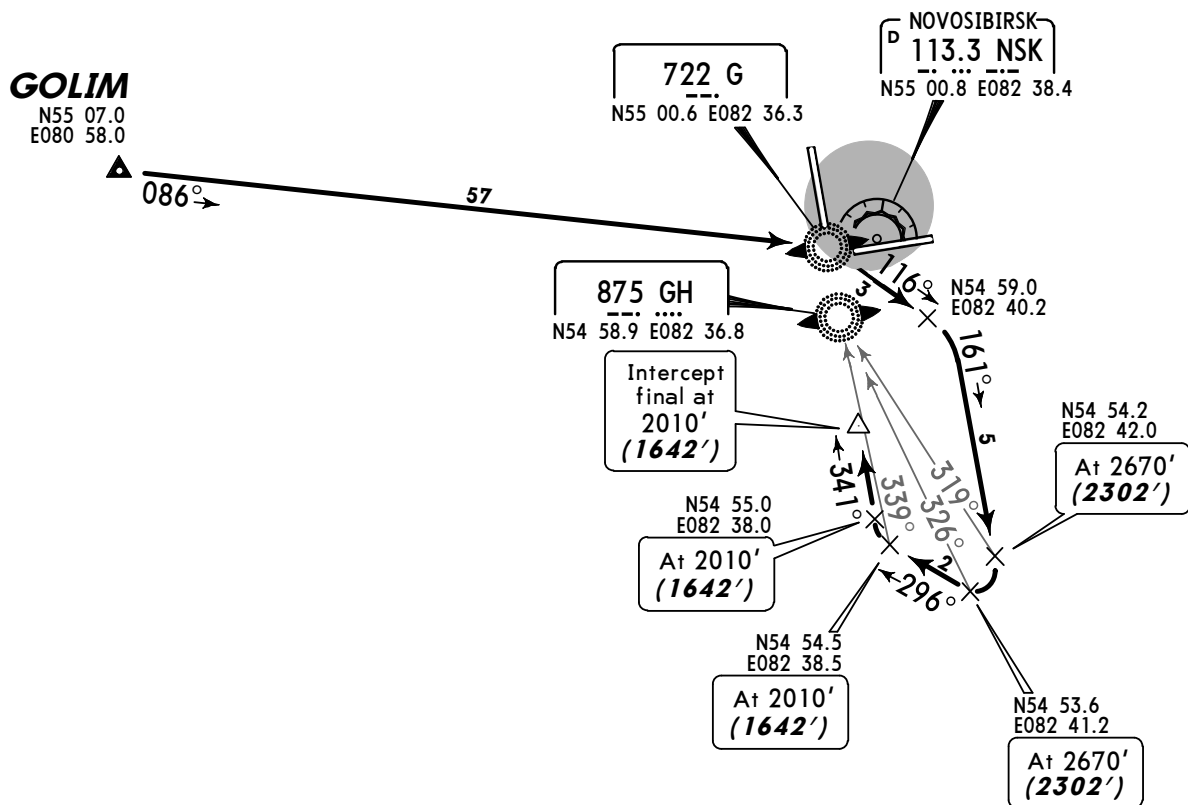
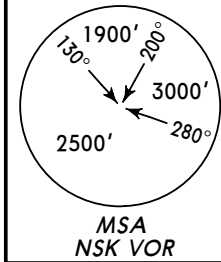
(QFE)

GL 34B
RWY 34 ARRIVAL

CAT B

FROM WEST

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



FL CONVERSION
FL59 ***FL1800m***

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

UNNT/OVB
TOLMACHEVO

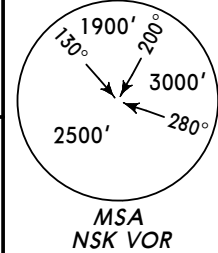
JEPPESEN
25 JUN 10 **10-3** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID

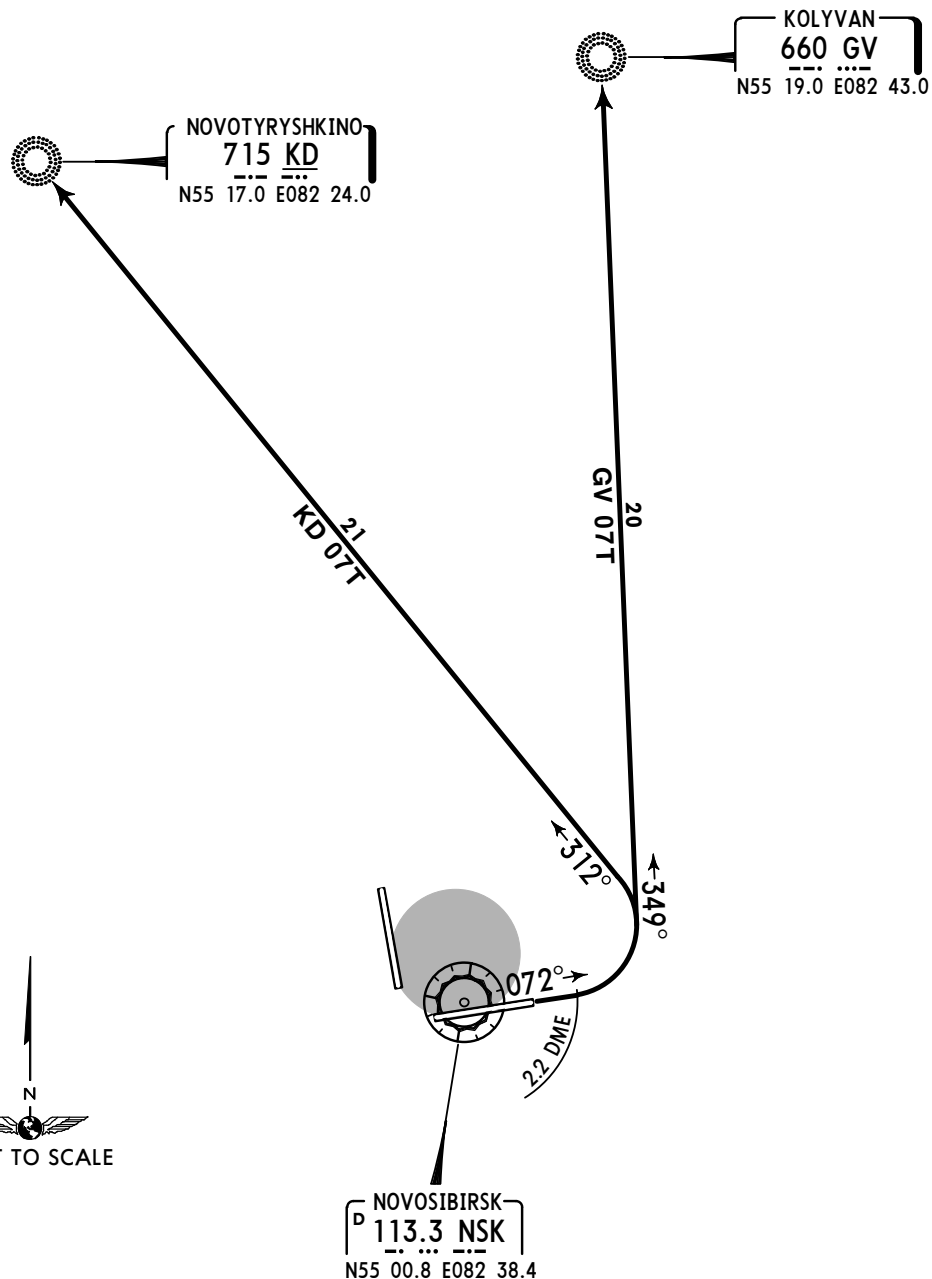
Apt Elev
368'

QNH on request **(QFE)**
Trans level: FL59 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
TO NORTH

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



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

FL CONVERSION
FL59 **FL1800m**

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 JUN 10 **(10-3A)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

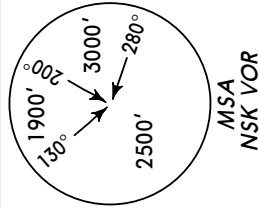
SID

Apt Elev
368'

QNH on request **(QFE)**

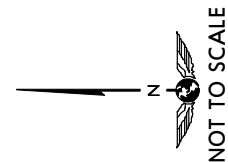
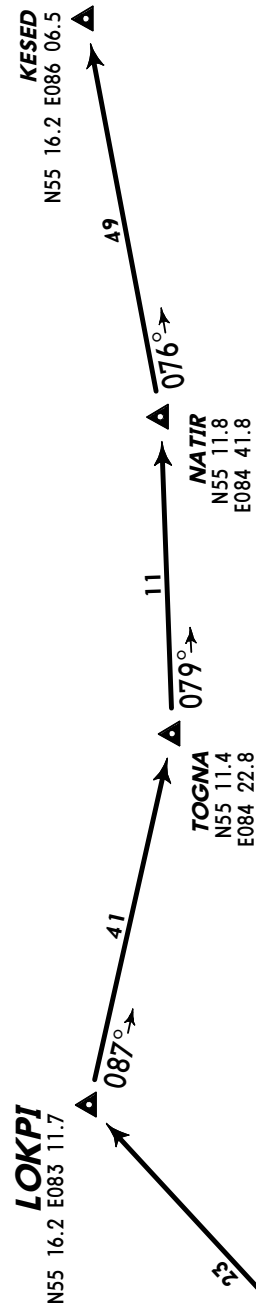
Trans level: FL59 Trans alt: 4640' **(4275')**

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')**.

LK 07T
RWY 07 DEPARTURE
TO EAST



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

FL CONVERSION
FL59 **FL1800m**

NOVOSIBIRSK
D 113.3 **NSK**
N55 00.8 E082 38.4

UNNT/OVB
TOLMACHEVO

25 JUN 10

JEPPESEN

NOVOSIBIRSK, RUSSIA

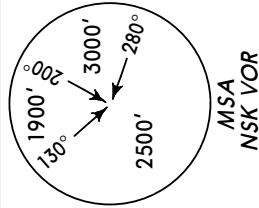
Eff 1 Jul**SID**

Apt Elev
368'

QNH on request **(QFE)**

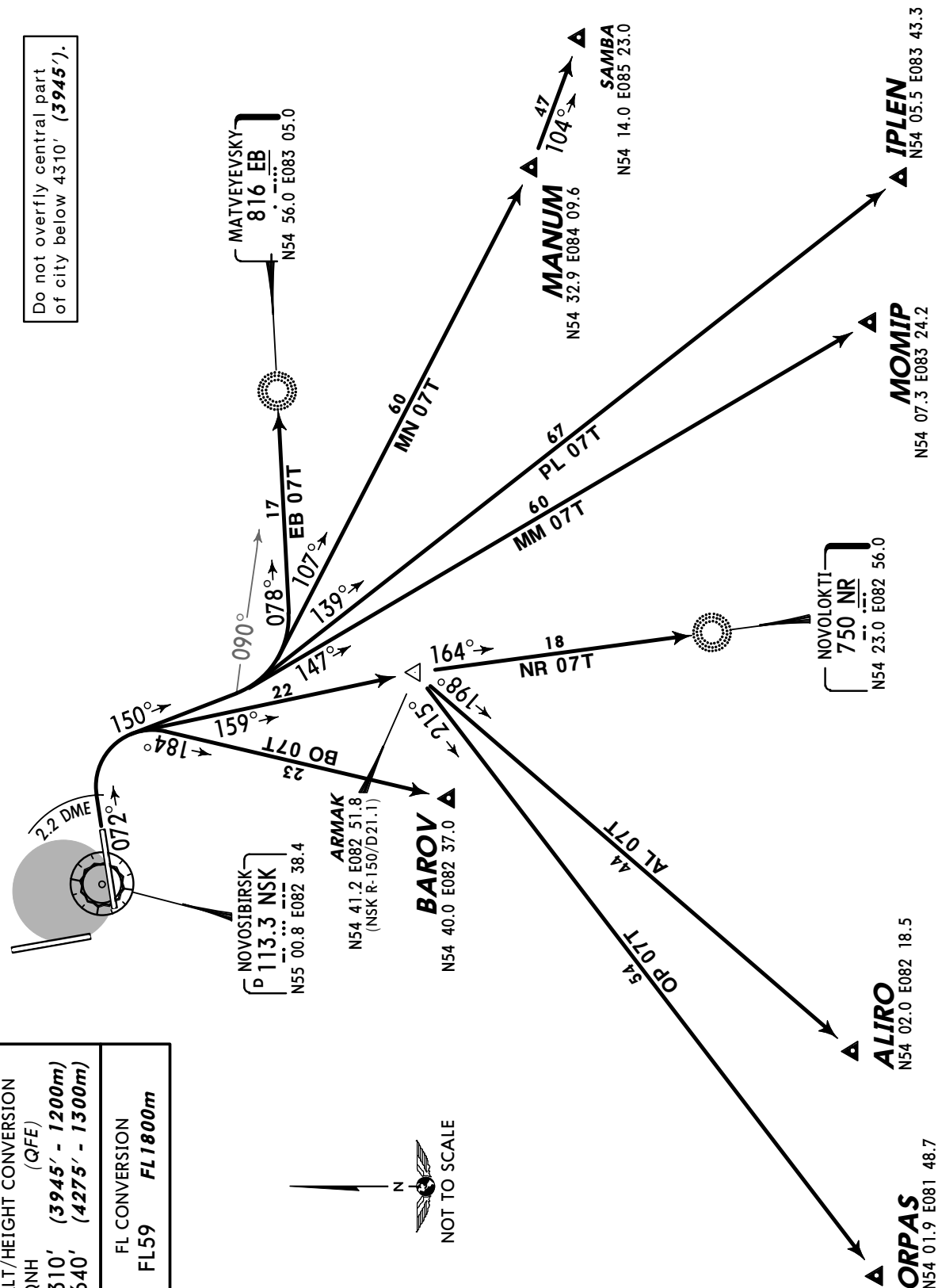
Trans level: FL59 Trans alt: 4640' **(4275')**

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
TO SOUTH

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



ALT/HEIGHT CONVERSION

QNH (QFE)
4310' (3945' - 1200m)
4640' (4275' - 1300m)

FL CONVERSION

FL59 FL1800m

NOT TO SCALE

UNNT/OVB
TOLMACHEVO

JEPPESSEN
25 JUN 10 **10-3C** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

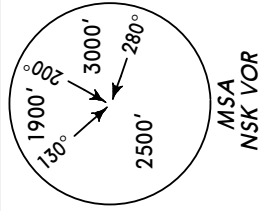
SID

Apt Elev
368'

QNH on request **(QFE)**

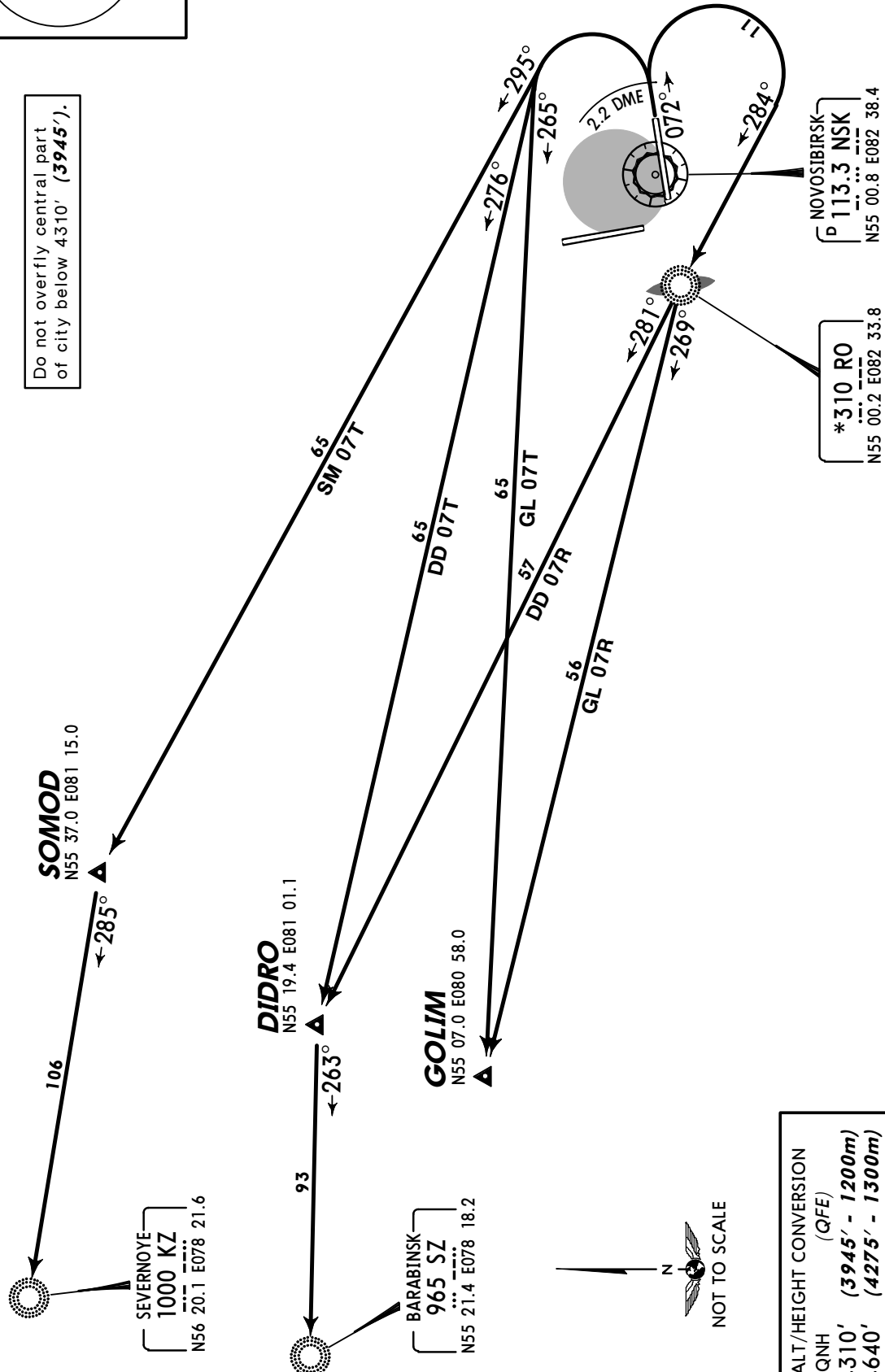
Trans level: FL59 Trans alt: 4640' **(4275')**

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



DD 07R, DD 07T, GL 07R, GL 07T, SM 07T
RWY 07 DEPARTURES
TO WEST

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



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

FL CONVERSION
FL59 **FL1800m**

UNNT/OVB
TOLMACHEVO

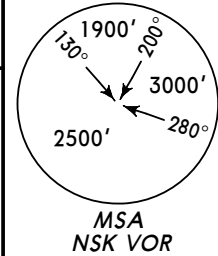
JEPPESEN
25 JUN 10 **(10-3D)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID

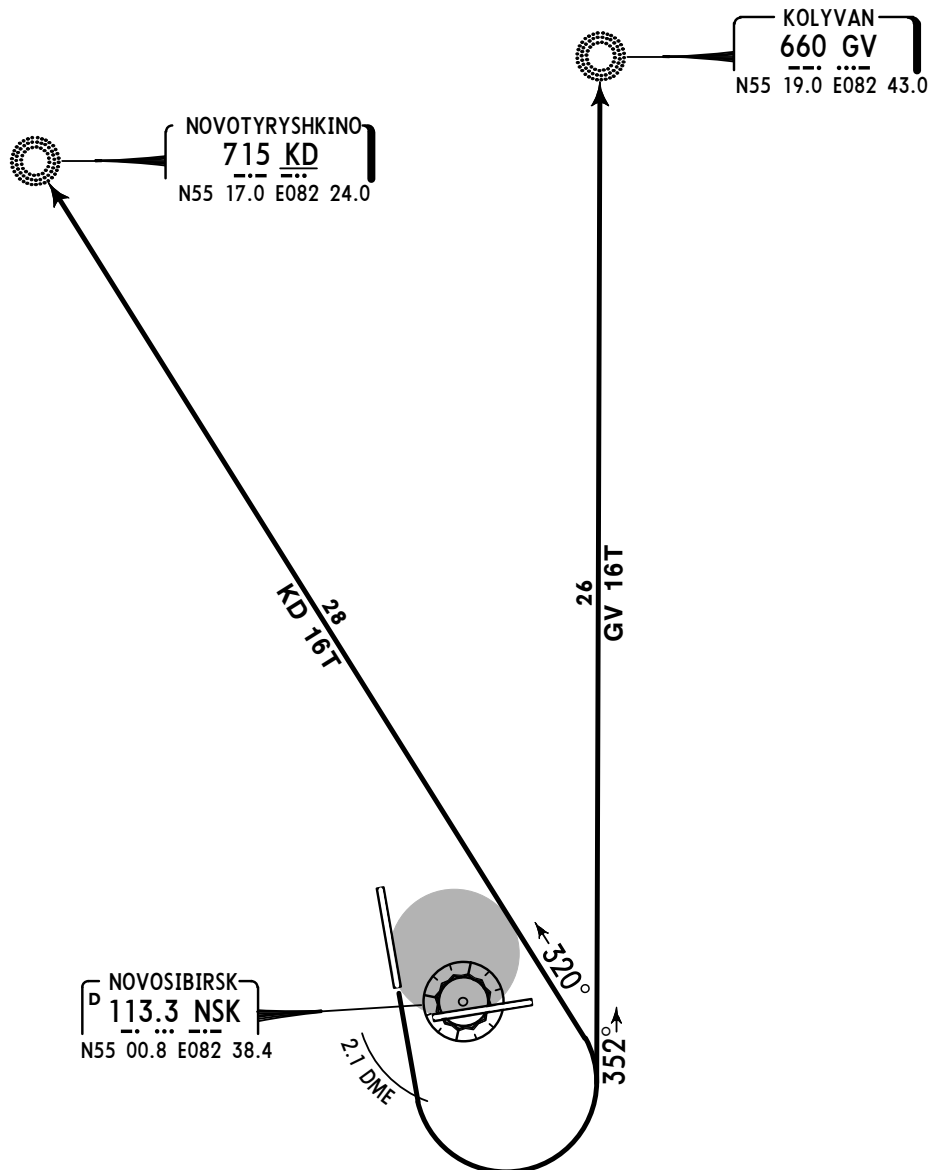
Apt Elev
368'

QNH on request **(QFE)**
Trans level: FL59 Trans alt: 4640' **(4278')**



GV 16T, KD 16T
RWY 16 DEPARTURES
TO NORTH

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



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

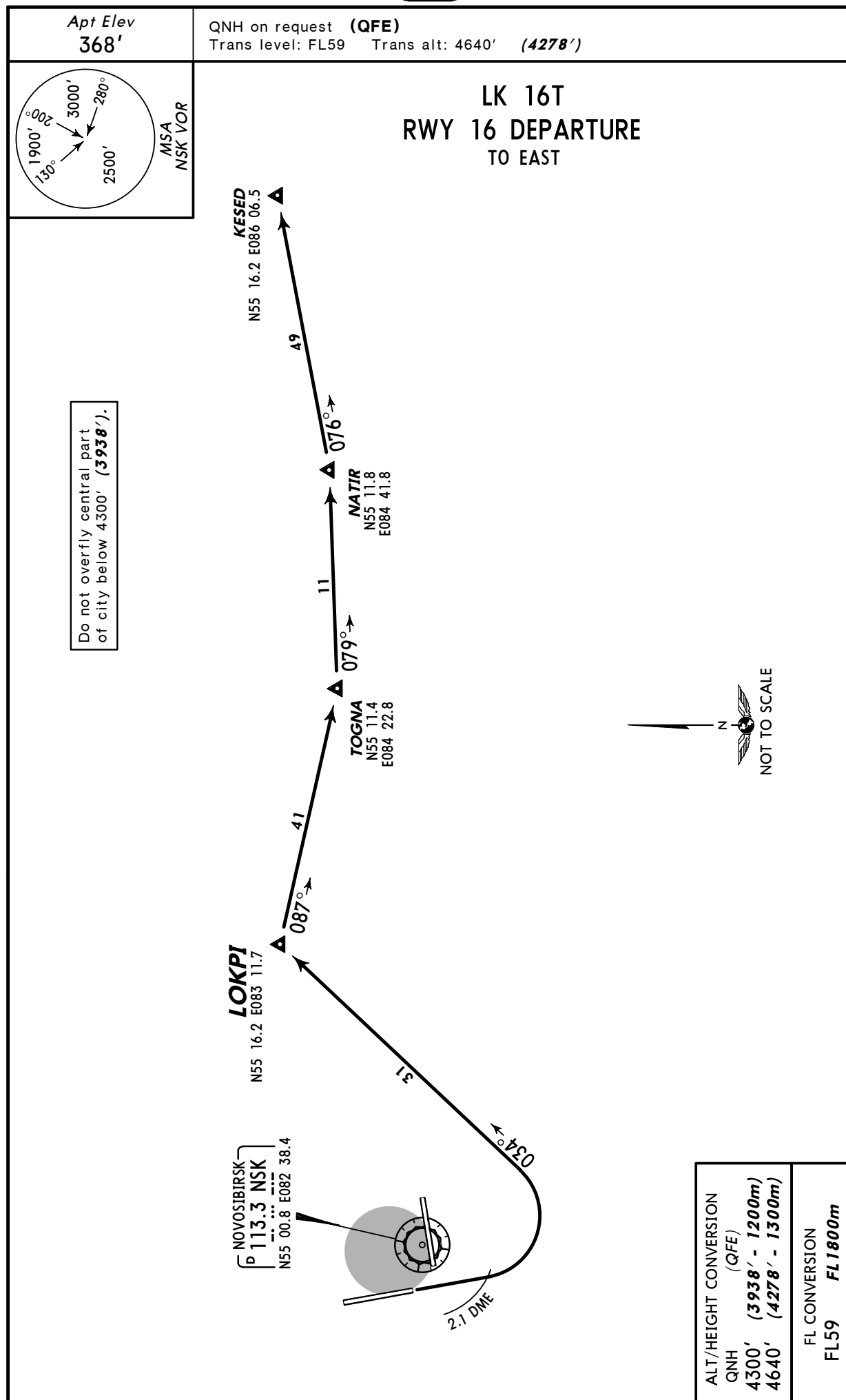
FL CONVERSION
FL59 FL1800m

UNNT/OVB
TOLMACHEVO

JEPPESEN
25 JUN 10 **(10-3E)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID



UNNT/OVB
TOLMACHEVO

25 JUN 10

JEPPESEN

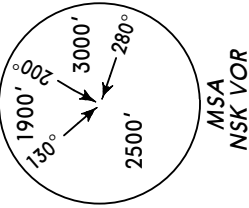
NOVOSIBIRSK, RUSSIA

Eff 1 Jul**SID**

Apt Elev
368'

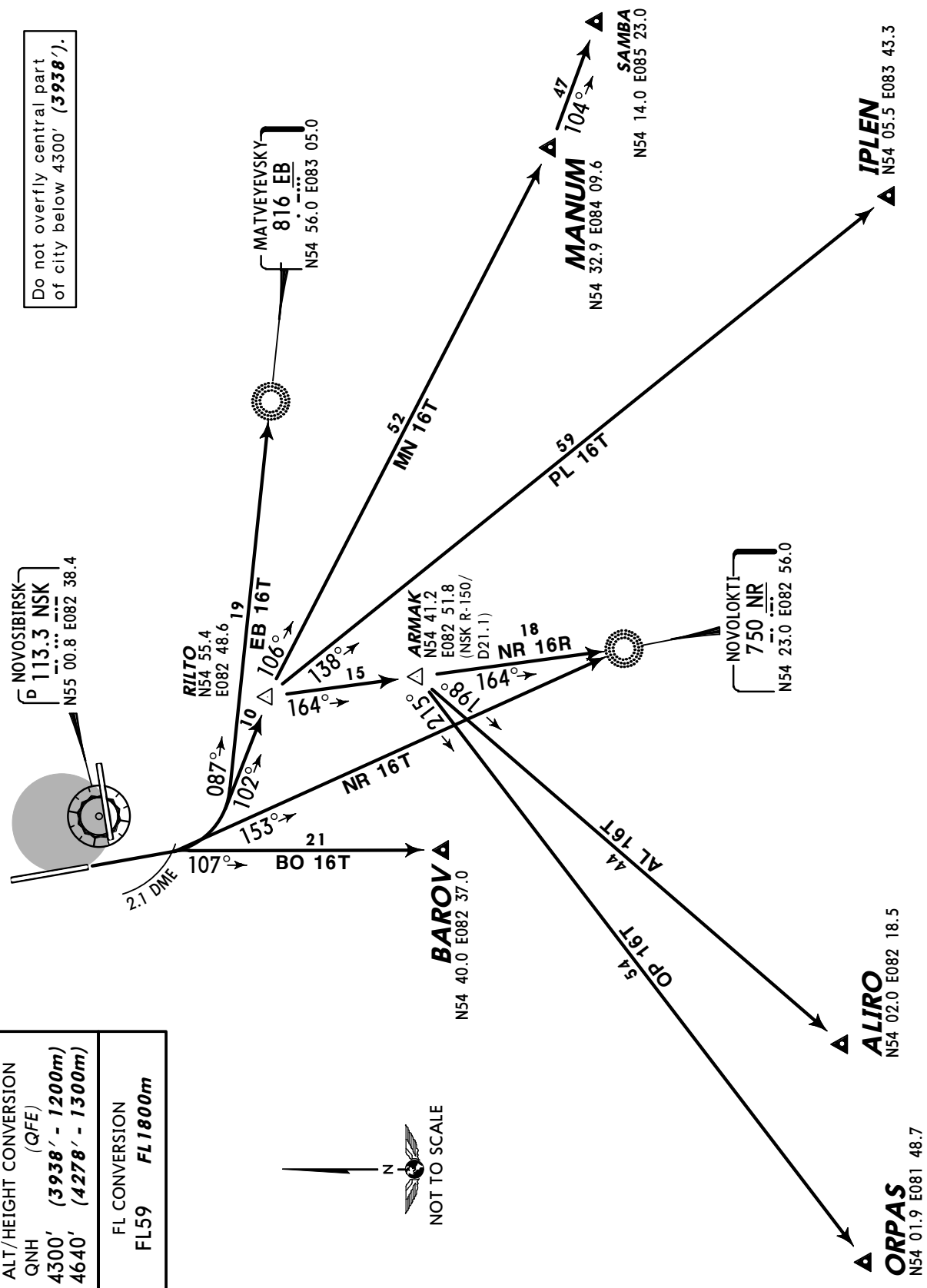
QNH on request **(QFE)**

Trans level: FL59 Trans alt: 4640' **(4278')**



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

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



ALT/HEIGHT CONVERSION
QNH (QFE)

4300' (3938' - 1200m)
4640' (4278' - 1300m)

FL CONVERSION

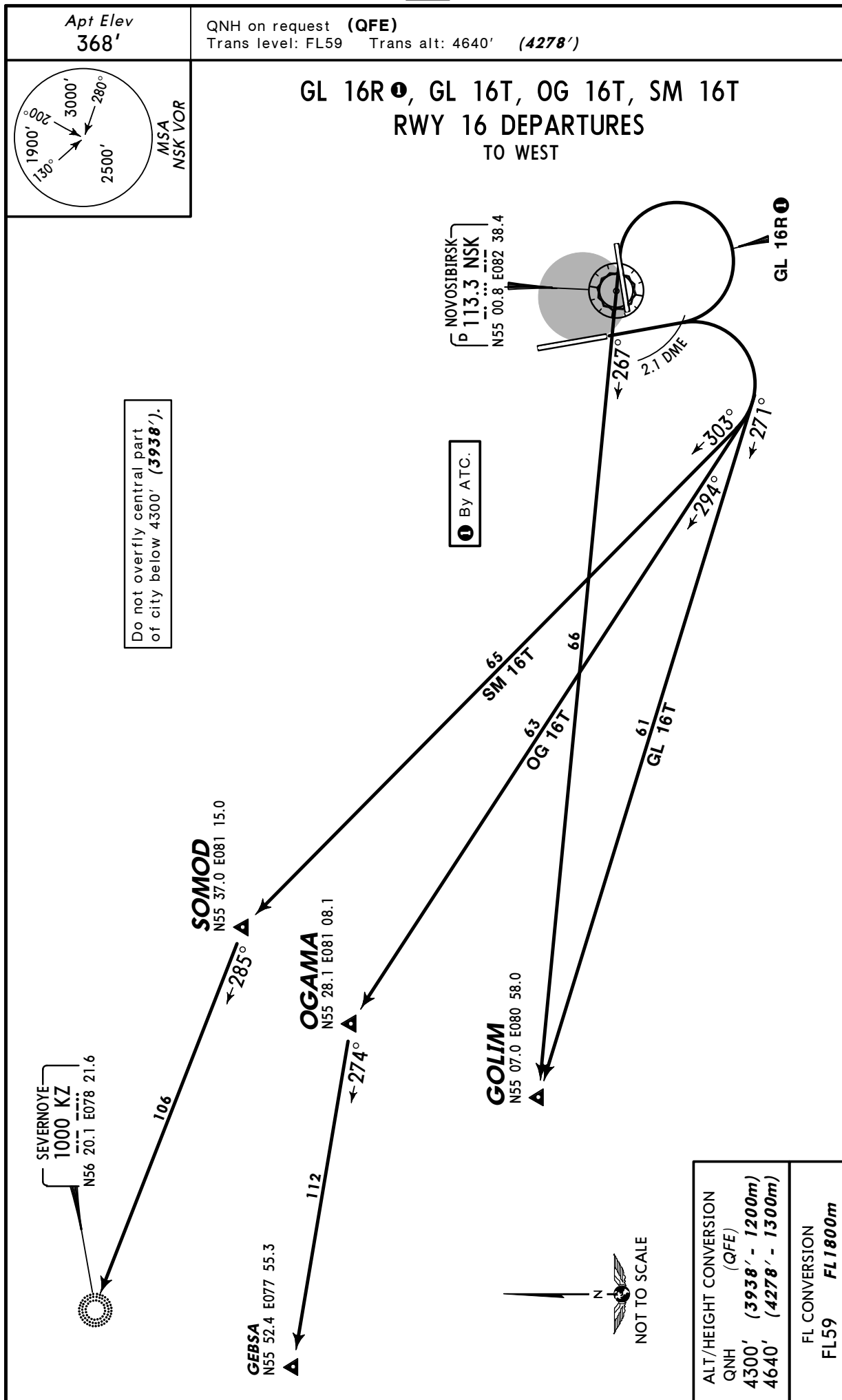
FL59 **FL1800m**

UNNT/OVB
TOLMACHEVO

JEPPESSEN
25 JUN 10 **(10-3G)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID



**UNNT/OVB
TOLMACHEVO**

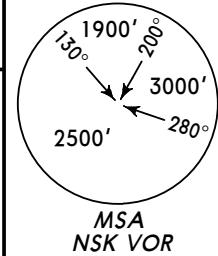
JEPPESSEN
25 JUN 10 (10-3H) Eff 1 Jul

NOVOSIBIRSK, RUSSIA

SID

Apt Elev
368'

QNH on request **(QFE)**
Trans level: FL59 Trans alt: 4640' **(4277')**



**GV 25T, KD 25T, KG 25T
RWY 25 DEPARTURES
TO NORTH**

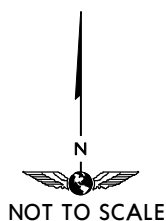
Do not overfly central part
of city below 4300' (**3937'**).

KENGA
N56 19.2 E080 42.1

KOLYVAN
660 GV
N55 19.0 E082 43.0

NOVOTYRYSHKINO
715 KD
N55 17.0 E082 24.0

KEGAV
N55 47.6 E081 35.1



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

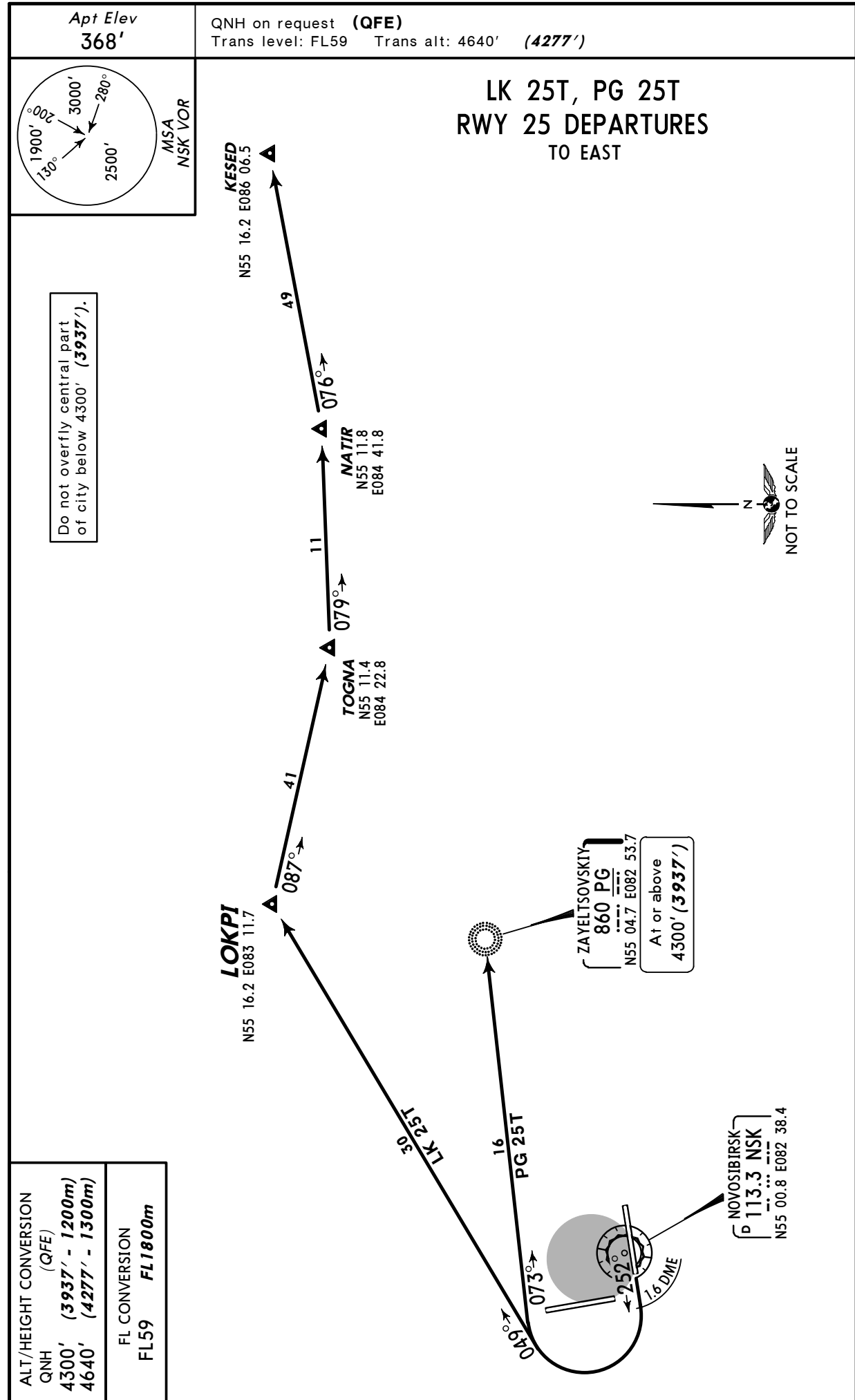
FL CONVERSION
FL59 *FL1800m*

UNNT/OVB
TOLMACHEVO

JEPPESSEN
25 JUN 10 **(10-3J)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID



CHANGES: New chart.

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UNNT/OVB
TOLMACHEVO

JEPPESSEN
25 JUN 10 **(10-3K)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID

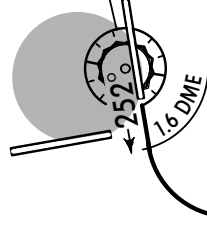
Apt Elev
368'

QNH on request **(QFE)**
Trans level: FL59 Trans alt: 4640' **(4277')**

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

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

NOVOSIBIRSK
D 113.3 NSK
N55 00.8 E082 38.4



MATVEYEVSKY
816 EB
N54 56.0 E083 05.0

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

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

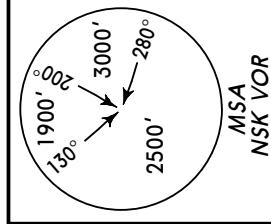
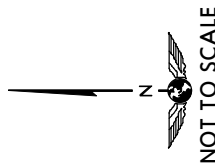
NOVOLOKTI
750 NR
N54 23.0 E082 56.0

BAROV
N54 40.0 E082 37.0

AL 25T
44
5.4

ALIRO
N54 02.0 E082 18.5

ORPAS
N54 01.9 E081 48.7



ALT/HEIGHT CONVERSION
QNH (QFE)
4300' (3937' - 1200m)
4640' (4277' - 1300m)
FL CONVERSION
FL59 FL1800m

UNNT/OVB
TOLMACHEVO

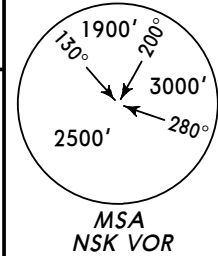
JEPPESEN
25 JUN 10 **(10-3L)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

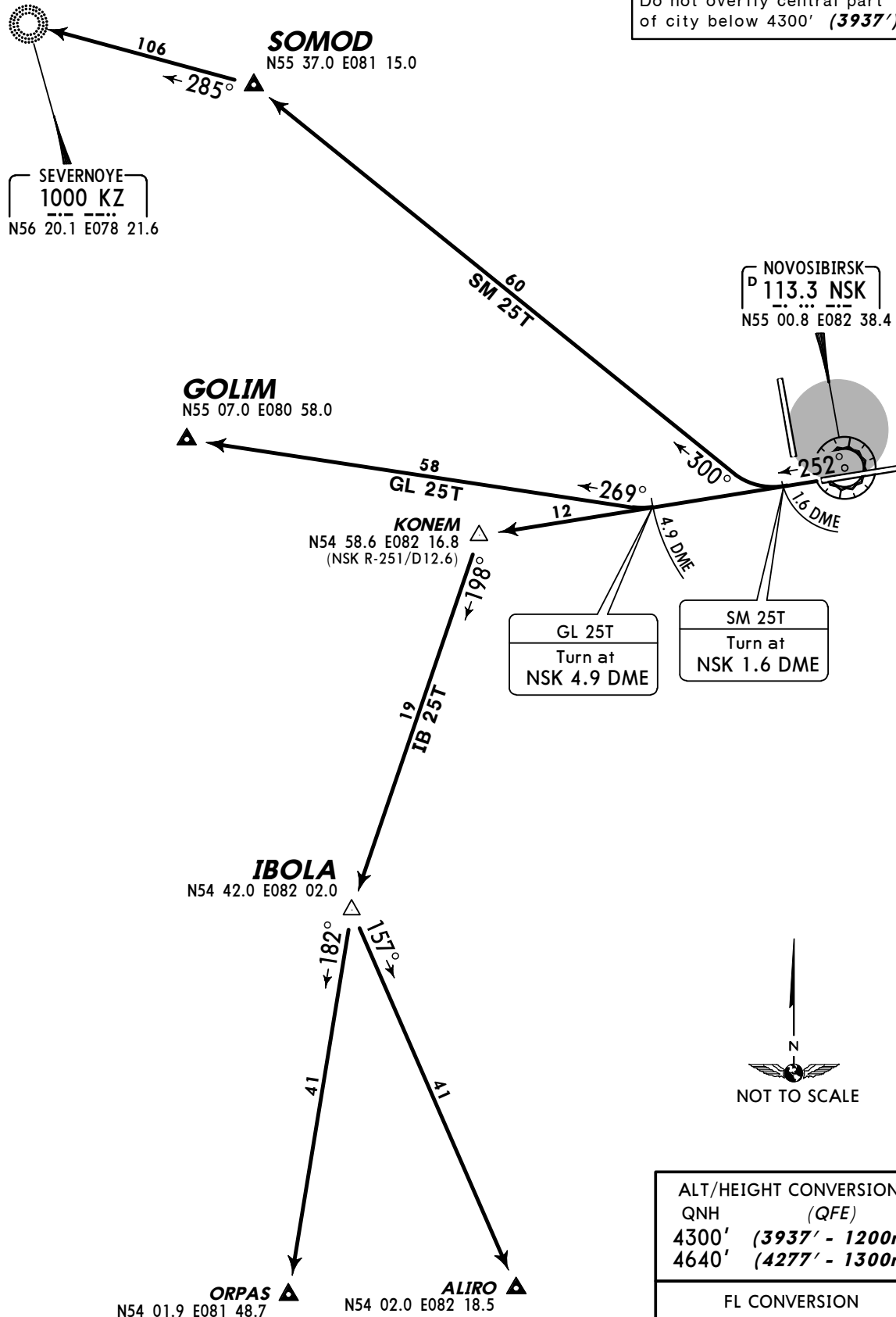
SID

Apt Elev
368'

QNH on request **(QFE)**
Trans level: FL59 Trans alt: 4640' **(4277')**



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



UNNT/OVB
TOLMACHEVO

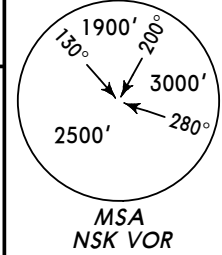
JEPPesen
25 JUN 10 **(10-3M)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID

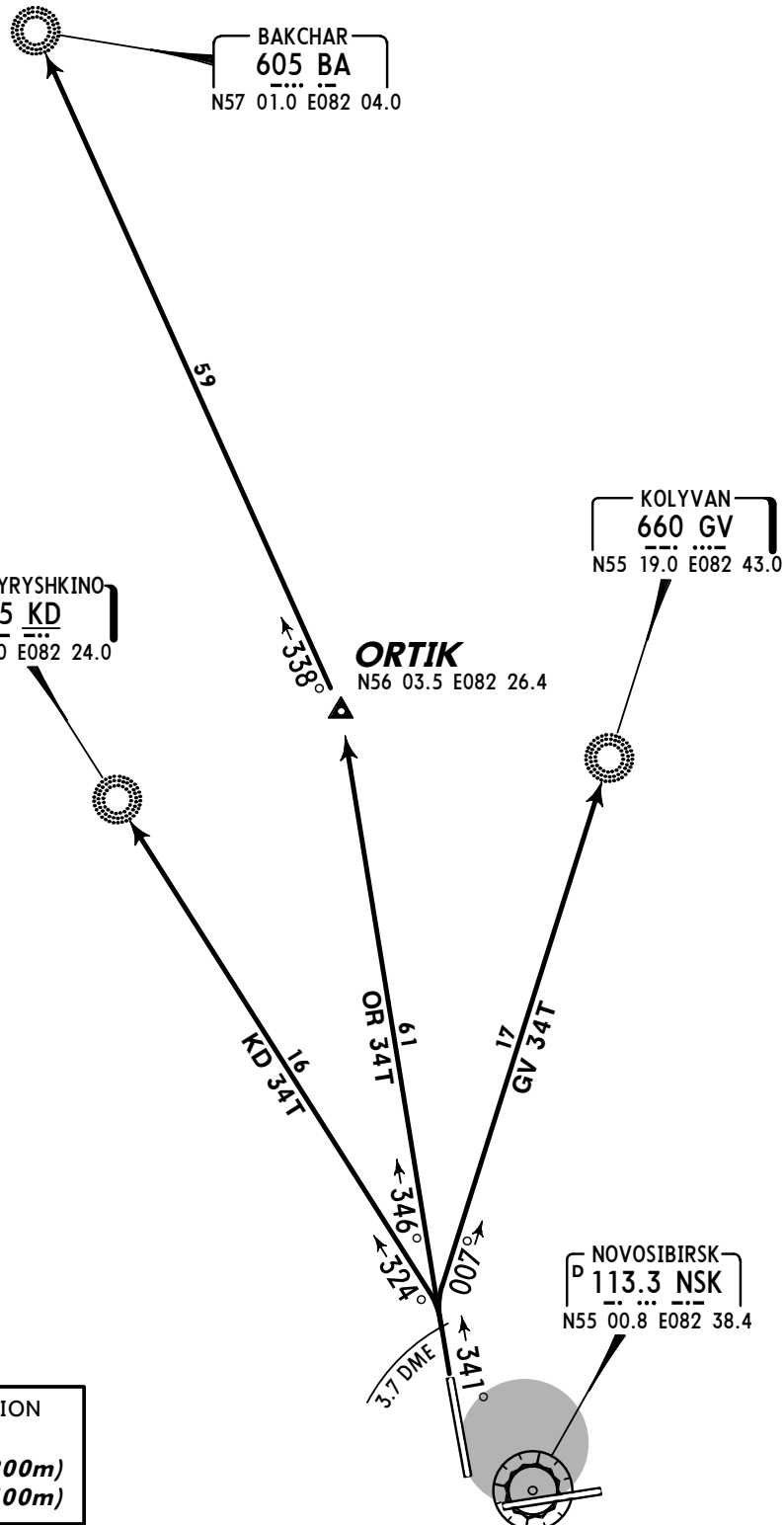
Apt Elev
368'

QNH on request **(QFE)**
Trans level: FL59 Trans alt: 4640' **(4272')**



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

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



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

FL CONVERSION
FL59 **FL1800m**

UNNT/OVB
TOLMACHEVO

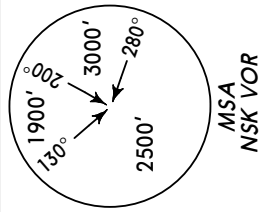
JEPPESEN
25 JUN 10 **(10-3N)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID

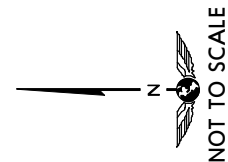
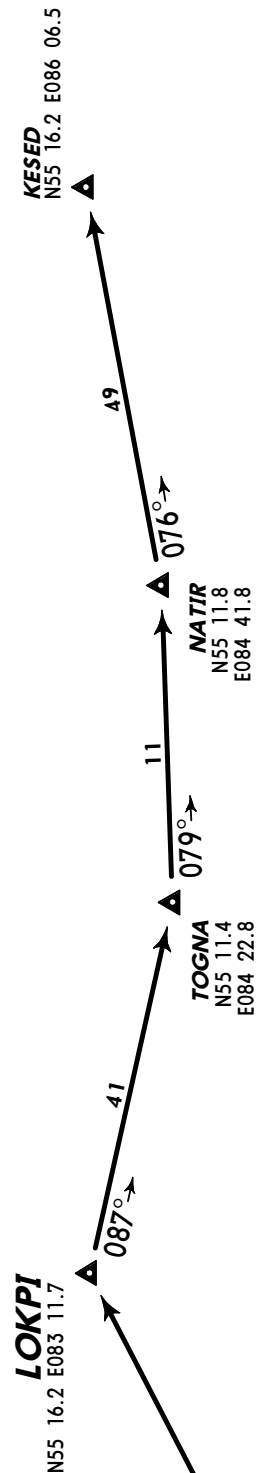
Apt Elev
368'

QNH on request **(QFE)**
Trans level: FL59 Trans alt: 4640' **(4272')**



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

LK 34T
RWY 34 DEPARTURE
TO EAST



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

FL CONVERSION
FL59 **FL1800m**

NOVOSIBIRSK
D 113.3 NSK
N55 00.8 E082 38.4

UNNT/OVB
TOLMACHEVO

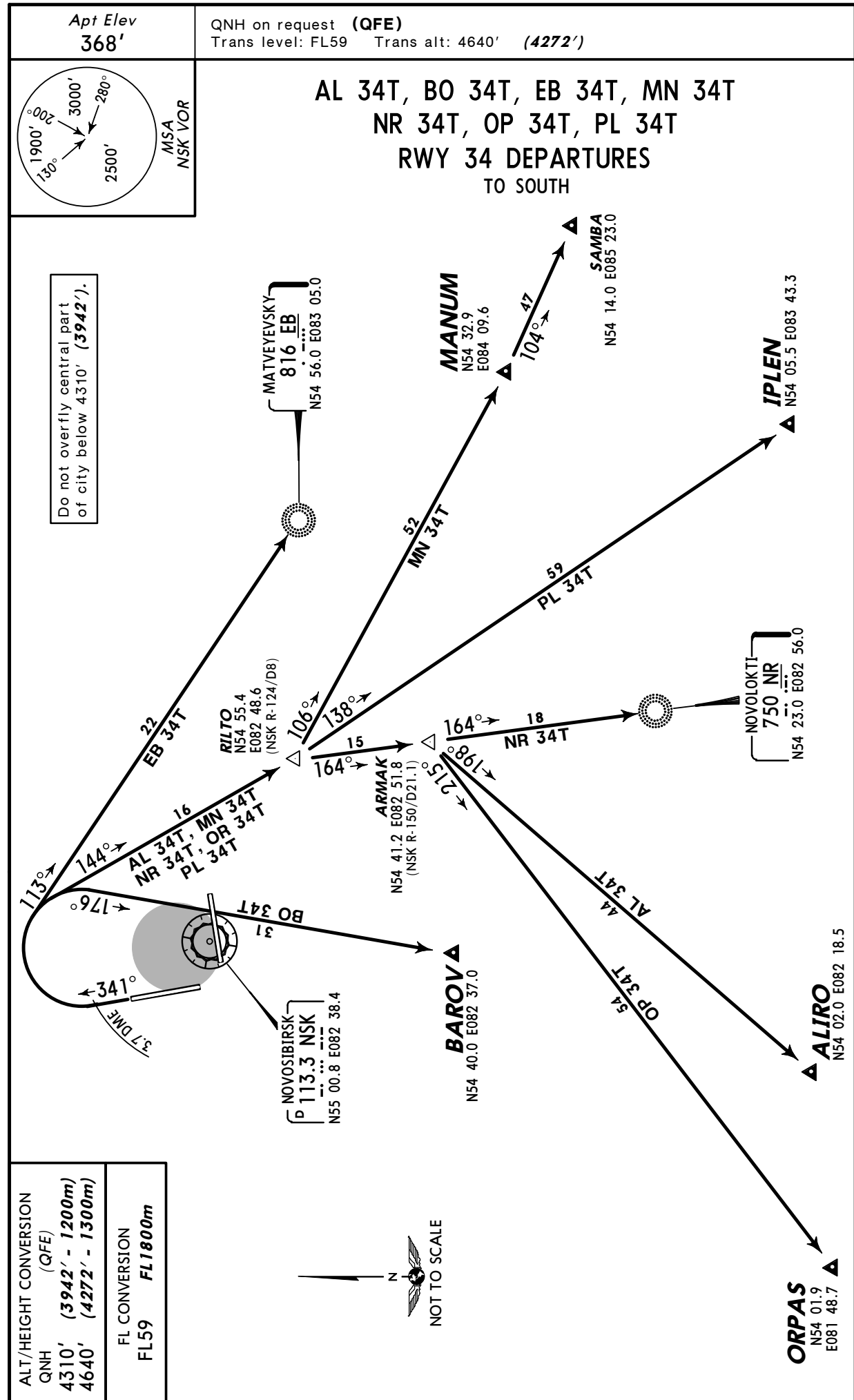
25 JUN 10

10-3P

Eff 1 Jul

NOVOSIBIRSK, RUSSIA

SID



UNNT/OVB
TOLMACHEVO

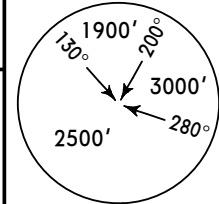
JEPPESEN
25 JUN 10 **(10-3Q)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID

Apt Elev
368'

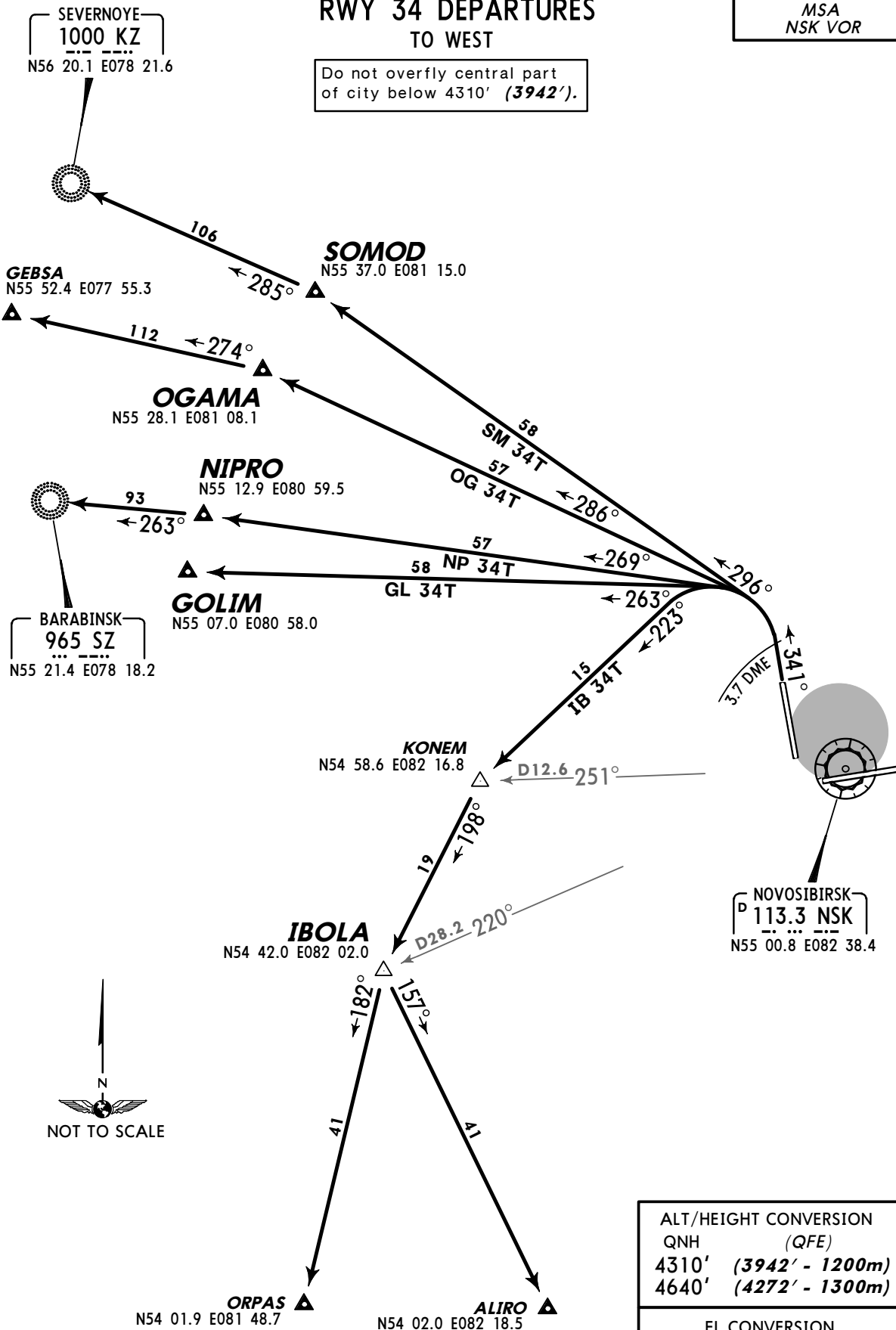
QNH on request **(QFE)**
Trans level: FL59 Trans alt: 4640' **(4272')**



MSA
NSK VOR

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

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



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

FL CONVERSION
FL59 **FL1800m**

UNNT/OVB
TOLMACHEVO

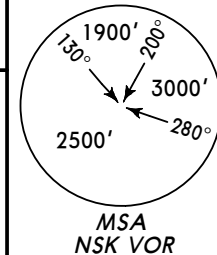
JEPPesen
25 JUN 10 **(10-3S)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID

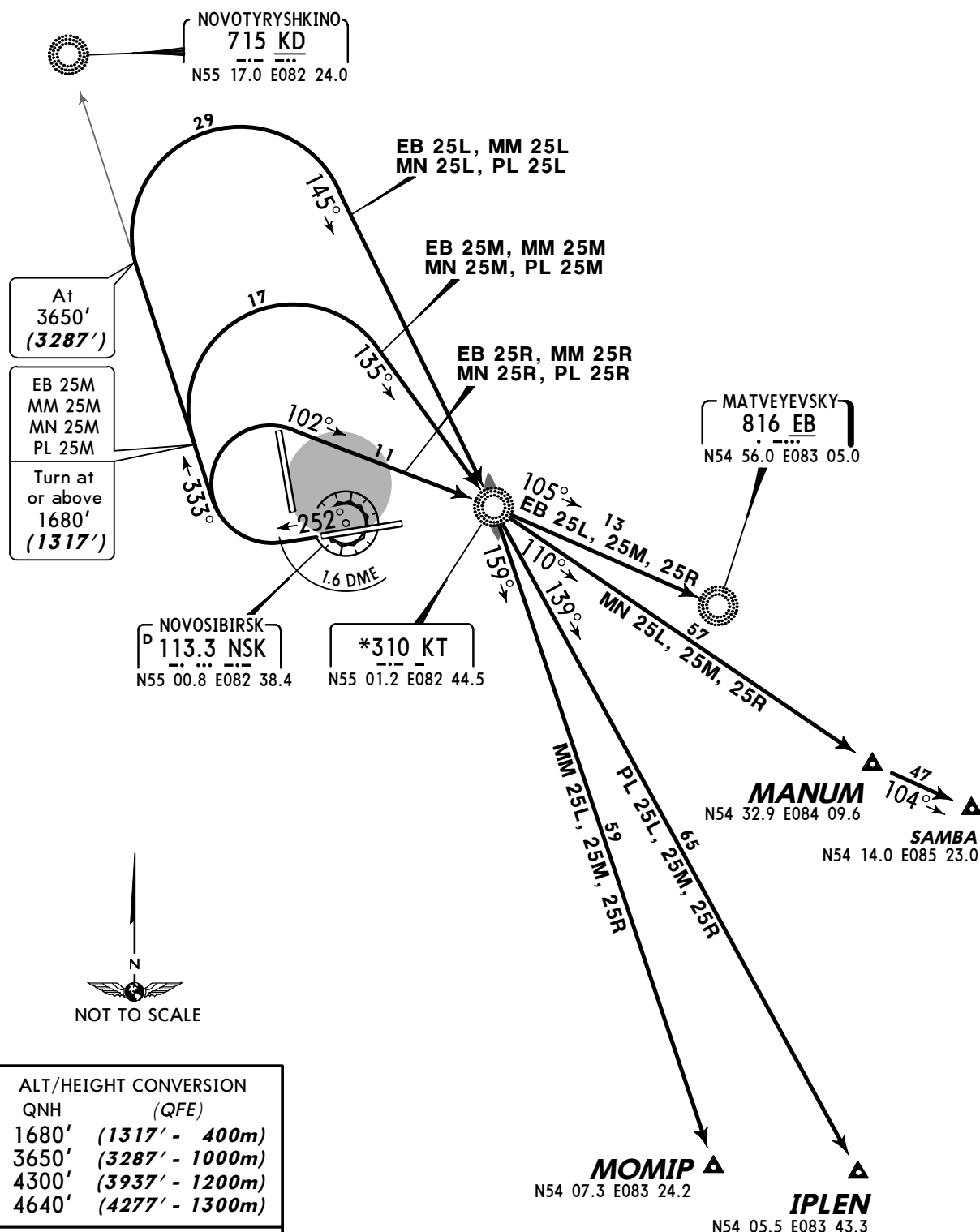
Apt Elev
368'

QNH on request **(QFE)**
Trans level: FL59 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
TO SOUTHEAST

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



UNNT/OVB
TOLMACHEVO

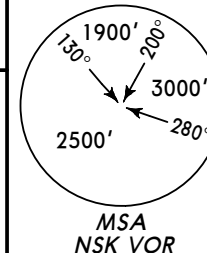
JEPPesen
25 JUN 10 **10-3T** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID

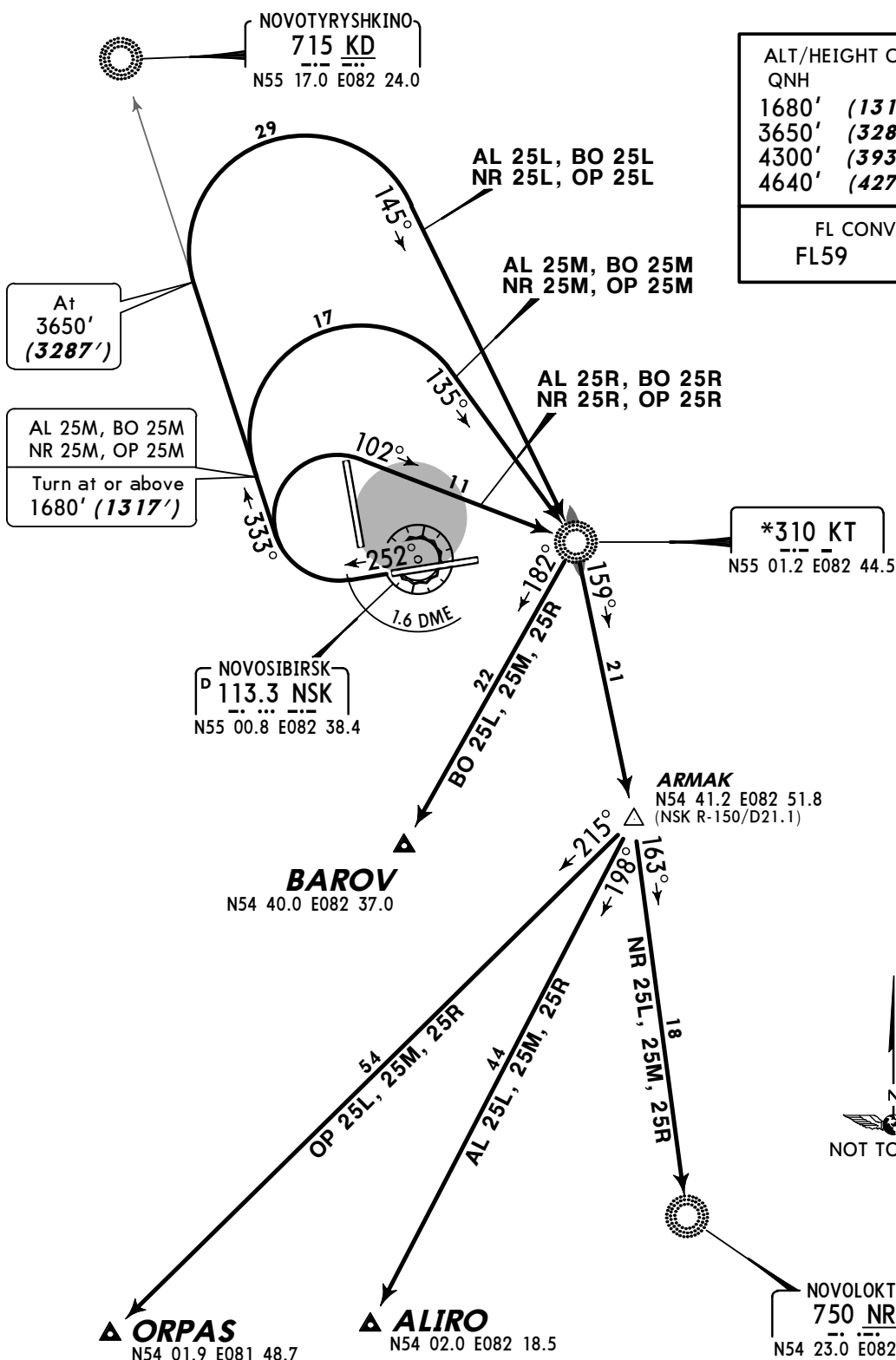
Apt Elev
368'

QNH on request **(QFE)**
Trans level: FL59 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
TO SOUTHWEST

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



UNNT/OVB
TOLMACHEVO

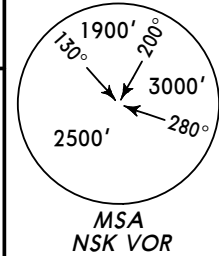
JEPPESEN
25 JUN 10 **(10-3U)** **Eff 1 Jul**

NOVOSIBIRSK, RUSSIA

SID

Apt Elev
368'

QNH on request **(QFE)**
Trans level: FL59 Trans alt: 4640' **(4277')**

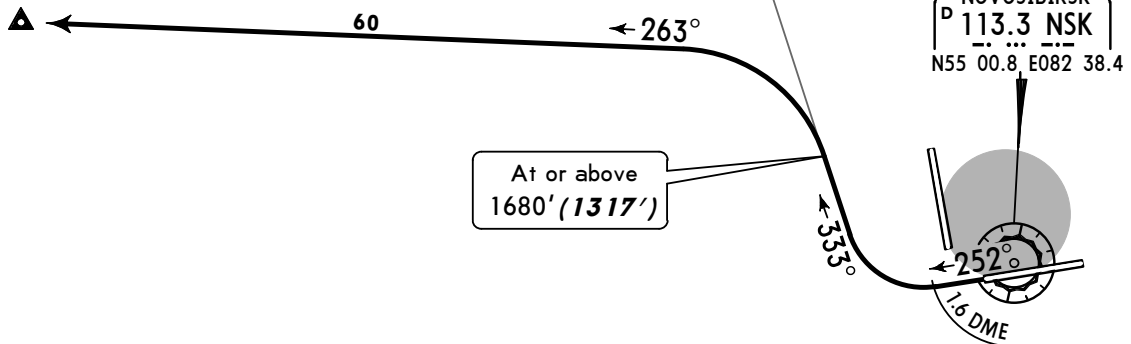


GL 25R
RWY 25 DEPARTURE
BY ATC
TO WEST

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)**

FL CONVERSION
FL59 **FL1800m**

UNNT/OVB
TOLMACHEVO**JEPPESEN**
9 JUL 04 **10-4****NOVOSIBIRSK, 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 extend 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 failiure 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

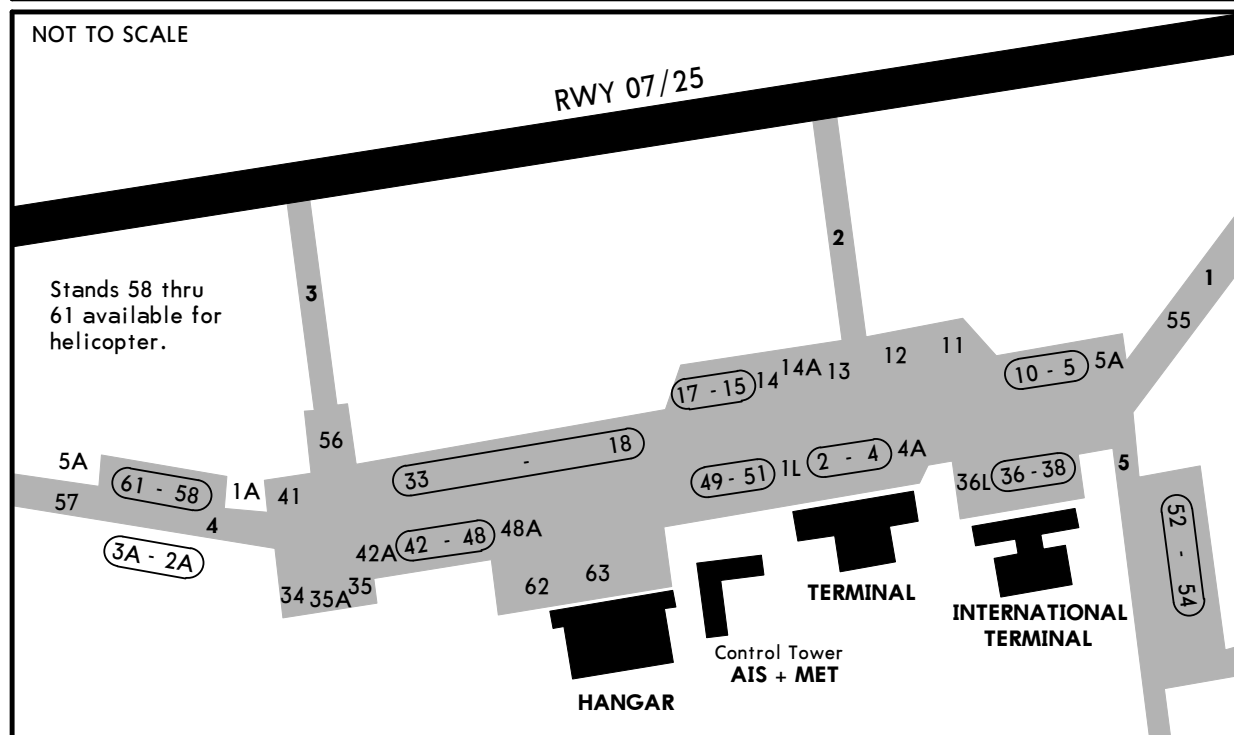
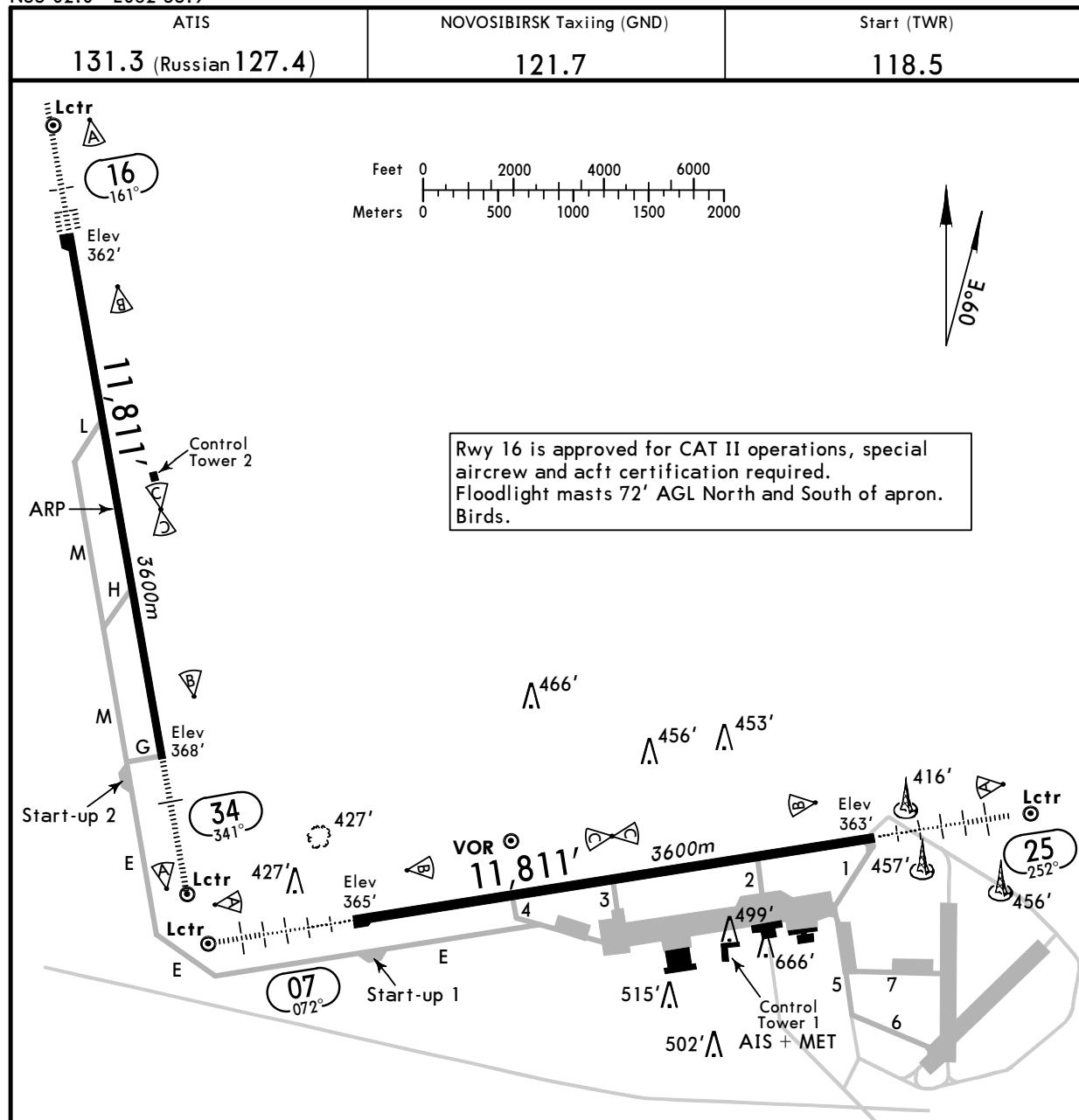
Apt Elev **368'**
N55 02.0 E082 35.9

JEPPesen

29 OCT 10 **(10-9)**

NOVOSIBIRSK, RUSSIA

TOLMACHEVO



UNNT/OVB

 **JEPPESEN**
29 OCT 10 **(10-9A)**
NOVOSIBIRSK, RUSSIA
TOLMACHEVO

ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS LANDING BEYOND		TAKE-OFF	WIDTH
		Threshold	Glide Slope		
07 25	HIRL (60m) HIALS PAPI-L (angle 3.0°) RVR		10,778' 3285m 11,204' 3415m	1	197' 60m

1 TAKE-OFF RUN AVAILABLERWY 07:

From rwy head 11,483' (3500m) **2**
 twy 4 int 7874' (2400m)
 twy 3 int 5741' (1750m)

RWY 25:

From rwy head 11,483' (3500m) **2**
 twy 2 int 9022' (2750m)
 twy 3 int 5741' (1750m)

2 First 328'/100m unusable for take-off.

16 34	HIRL (60m) CL (15m) HIALS-II TDZ PAPI-L (3.0°) RVR		10,657' 3248m 11,203' 3415m	11,483' 3500m 3	148' 45m
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3 TAKE-OFF RUN AVAILABLERWY 34:

From rwy head 11,483' (3500m)
 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			
B	200m (150m)	250m	400m
C			
D	250m (200m)	300m	

UNNT/OVB **JEPPESSEN**
6 AUG 10 **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 AUTHORIZED			
	NDB ①	700' (335')	700' (335')	700' (335')	700' (335')
	with FAF	R800m	R800m	R800m	R800m
	ALS out	R1500m	R1500m	R1500m	R1500m
	NDB ①	720' (355')	720' (355')	720' (355')	720' (355')
	w/o FAF	R1000m	R1000m	R1200m	R1200m
	ALS out	R1600m	R1600m	R1600m	R1600m
16	CAT 2 ILS	462' (100')	462' (100')	462' (100')	462' (100')
		RA 104' R300m	RA 104' R300m	RA 104' R300m	RA 104' 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 AUTHORIZED			
	NDB ①	670' (308')	670' (308')	670' (308')	670' (308')
	with FAF	R750m	R750m	R750m	R750m
	ALS out	R1400m	R1400m	R1400m	R1400m
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 AUTHORIZED			
	NDB ①	710' (347')	710' (347')	710' (347')	710' (347')
	with FAF	R900m	R900m	R900m	R900m
	ALS out	R1500m	R1500m	R1600m	R1600m
	NDB	1300' (937')	1300' (937')	1300' (937')	1300' (937')
	w/o FAF	C3800m	C3800m	C4000m	C4000m
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 AUTHORIZED			
	NDB ①	700' (332')	700' (332')	700' (332')	700' (332')
	with FAF	R800m	R800m	R800m	R800m
	ALS out	R1500m	R1500m	R1500m	R1500m
	NDB ①	720' (352')	720' (352')	720' (352')	720' (352')
	w/o FAF	R1000m	R1000m	R1200m	R1200m
	ALS out	R1600m	R1600m	R1600m	R1600m

① Continuous Descent Final Approach.

UNNT/OVB

 **JEPPESEN**
6 AUG 10 **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				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 **JEPPESSEN**
6 AUG 10 **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			
	NDB	700' (335')	700' (335')	700' (335')	700' (335')
	with FAF <i>ALS out</i>	R900m R1500m	R1000m R1500m	R1000m R1800m	R1400m R2000m
	NDB	700' (335')	700' (335')	700' (335')	700' (335')
	w/o FAF <i>ALS out</i>	R900m R1500m	R1000m R1500m	R1000m R1800m	R1400m R2000m
16	CAT 2 ILS	462' (100')	462' (100')	462' (100')	462' (100')
		RA 104' R300m	RA 104' R300m	RA 104' R300m	RA 104' R300m
	ILS	562' (200')	562' (200')	562' (200')	562' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	NDB	670' (308')	670' (308')	670' (308')	670' (308')
	with FAF <i>ALS out</i>	R900m R1500m	R1000m R1500m	R1000m R1800m	R1400m R2000m
	NDB	670' (308')	670' (308')	670' (308')	670' (308')
	w/o FAF <i>ALS out</i>	R900m R1500m	R1000m R1500m	R1000m R1800m	R1400m R2000m
25	ILS	563' (200')	563' (200')	563' (200')	563' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	NDB	710' (347')	710' (347')	710' (347')	710' (347')
	with FAF <i>ALS out</i>	R900m R1500m	R1000m R1500m	R1000m R1800m	R1400m R2000m
	NDB	1300' (937')	1300' (937')	1300' (937')	1300' (937')
	w/o FAF <i>ALS out</i>	R1200m R1500m	R1400m R1500m	R1400m R2000m	R1800m 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			
	NDB	700' (332')	700' (332')	700' (332')	700' (332')
	with FAF <i>ALS out</i>	R900m R1500m	R1000m R1500m	R1000m R1800m	R1400m R2000m
	NDB	700' (332')	700' (332')	700' (332')	700' (332')
	w/o FAF <i>ALS out</i>	R900m R1500m	R1000m R1500m	R1000m R1800m	R1400m R2000m

UNNT/OVB **JEPPESEN**
6 AUG 10 **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	300m	500m

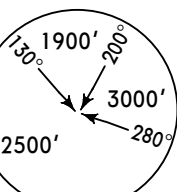
TAKE-OFF RWY 16, 34

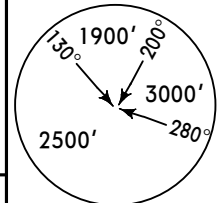
LVP must be in force					
Approved Operators	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A	125m	150m	200m	250m	400m
B					
C					
D	150m	200m	250m	300m	500m

UNNT/OVB
TOLMACHEVO

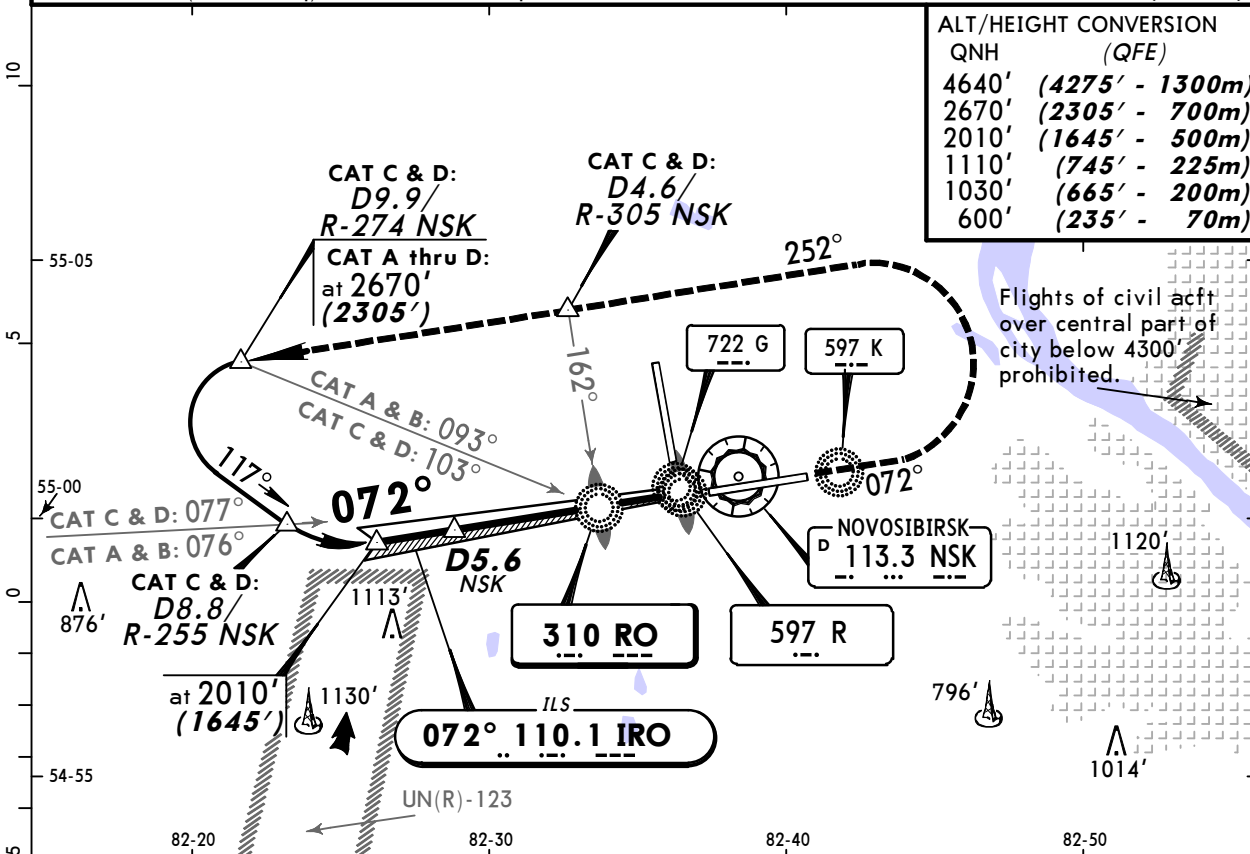
JEPPESSEN
17 SEP 10 **(11-1)** **Eff 23 Sep**

NOVOSIBIRSK, RUSSIA
ILS or 2 NDB Rwy 07

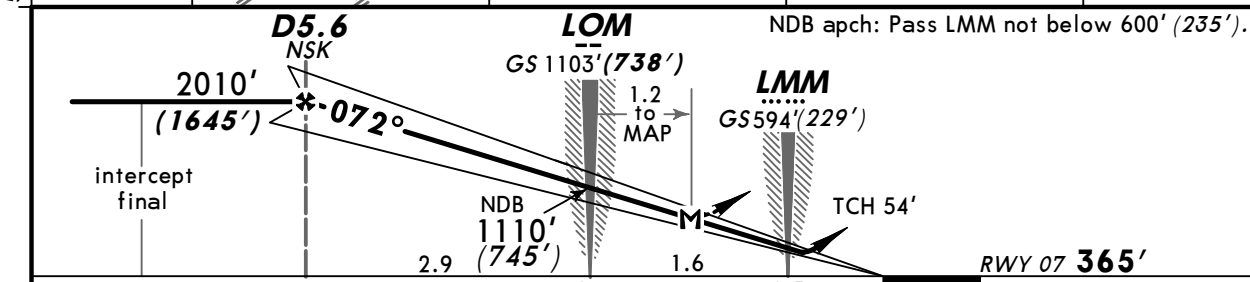
BRIEFING STRIP™	ATIS 131.3 (Russian 127.4)		NOVOSIBIRSK Approach 127.5		NOVOSIBIRSK Krug (APP/RDR) 122.0		NOVOSIBIRSK Start (TWR) 118.5		Ground 121.7	
	LOC IRO 110.1		Final Apch Crs 072°		GS LOM 1103' (738')		ILS DA(H) 565' (200')		Apt Elev 368' RWY 365'	
	NDB RO 310				Minimum Alt D5.6 NSK 2010' (1645')		NDB MDA(H) (CONDITIONAL) 700' (335')			
	MISSED APCH: Climb on 072° to 1030' (665'), then turn LEFT onto 252° climbing to 2670' (2305'), then according to chart, or as directed.								 MSA NSK VOR	
	Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 59		Trans alt: 4640' (4275')			



MSA
NSK VOR



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



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1030' (665') on 072°	252°	2670' (2305')
ILS GS or NDB Desc angle 3.00°	377	484	538	646	753	861	PAPI			
FAF to MAP	4.1	3:31	2:44	2:28	2:03	1:45	1:32			

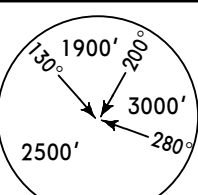
PANS OPS		STRAIGHT-IN LANDING RWY 07									
		ILS		LOC (GS out)	With FAF		NDB				
		DA(H) 565' (200')			MDA(H) 700' (335')		W/o FAF				
		MDA(H) 720' (355')									
		FULL	ALS out			ALS out			ALS out		
A	RVR 720m VIS 800m	1200m	NOT AUTH	1200m	RVR 1500m VIS 1600m	1200m	RVR 1500m VIS 1600m				
B											
C											
D											
				RVR 1500m VIS 1600m	RVR 1500m VIS 1600m	RVR 1800m VIS 2000m					

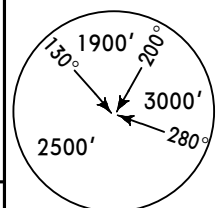
UNNT/OVB
TOLMACHEVO

JEPPESSEN
17 SEP 10
Eff 23 Sep (11-2)

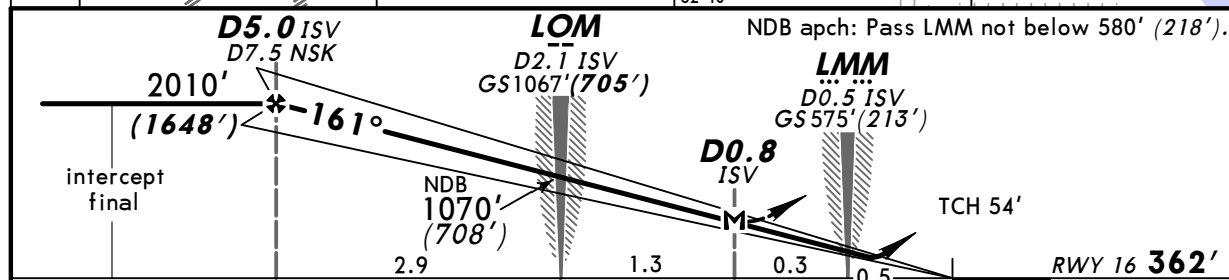
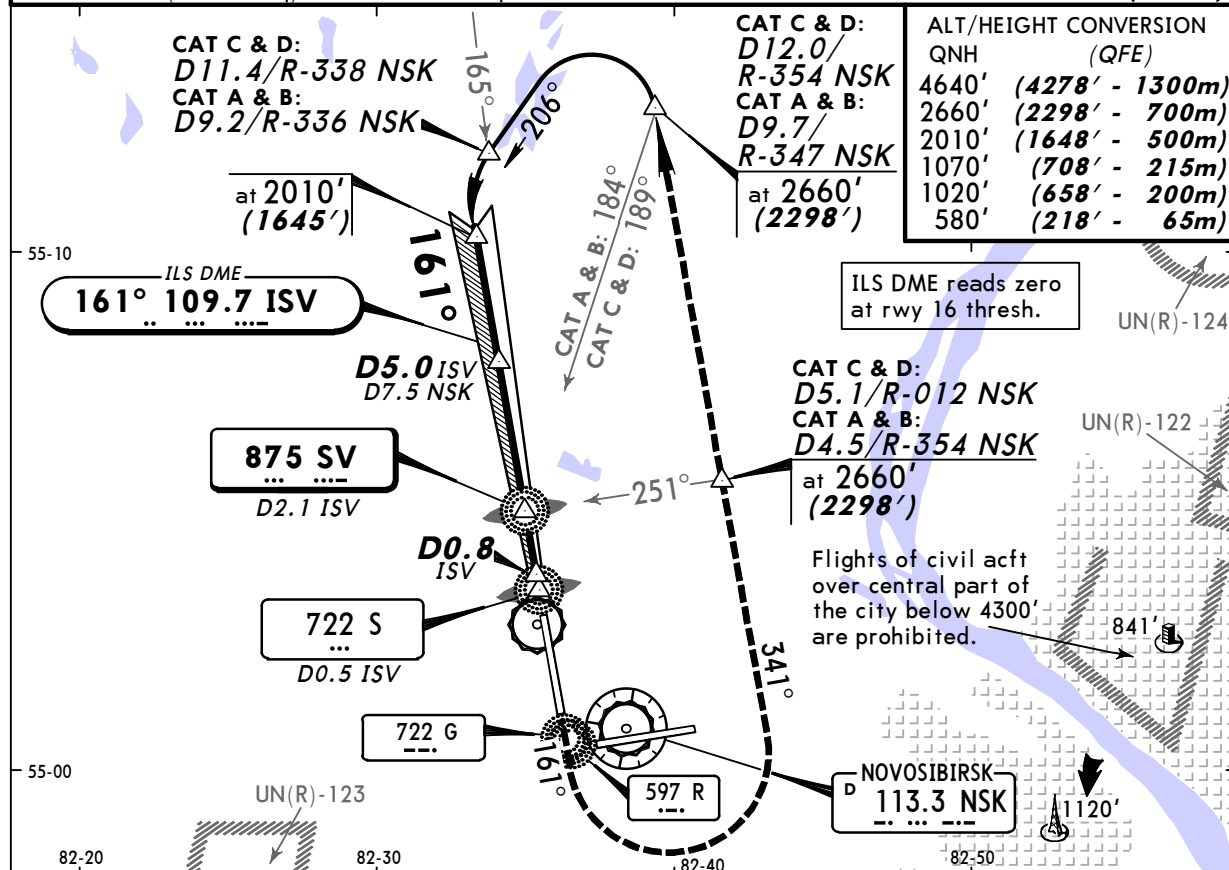
NOVOSIBIRSK, RUSSIA
ILS DME or 2 NDB Rwy 16

BRIEFING STRIP

ATIS 131.3 (Russian 127.4)		NOVOSIBIRSK Approach		NOVOSIBIRSK Krug (APP/RDR)		NOVOSIBIRSK Start (TWR)		Ground	
127.5		127.5		122.0		118.5		121.7	
LOC ISV 109.7		Final Apch Crs 161°		GS LOM 1067' (705')		ILS DA(H) 562' (200')		Apt Elev 368'	
NDB SV 875				Minimum Alt D5.0 ISV 2010' (1648')		NDB MDA(H) (CONDITIONAL) 670' (308')		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.								 MSA NSK VOR	
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 59		Trans alt: 4640' (4278')			



MSA NSK VOR



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1020' (658')	161°	341°	2660' (2298')
ILS GS or NDB Desc angle 3.00°	377	484	538	646	753	861	PAPI				
MAP at D0.8 ISV											

STRAIGHT-IN LANDING RWY 16							
ILS				LOC (GS out)		NDB	
DA(H) 562' (200')						With FAF	W/o FAF
						MDA(H) 670' (308')	MDA(H) 720' (358')
FULL	TDZ or CL out	ALS out				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
C							
D					RVR 1500m VIS 1600m	RVR 1500m VIS 1600m	RVR 1800m VIS 2000m

PANS OPS

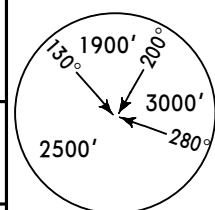
UNNT/OVB
TOLMACHEVO

JEPPESSEN
17 SEP 10
Eff 23 Sep **(11-2A)**

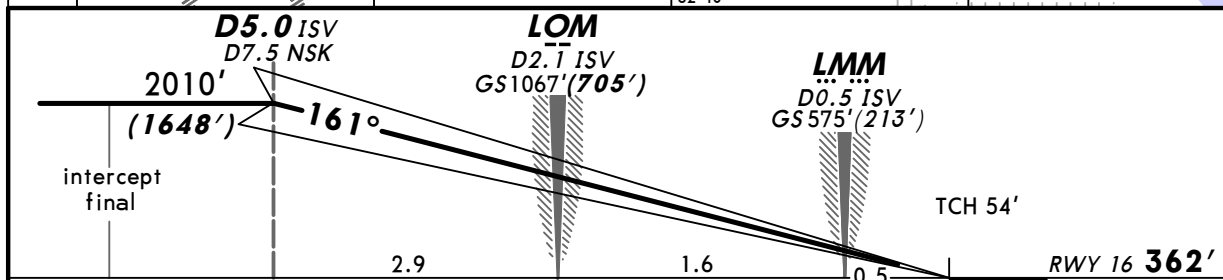
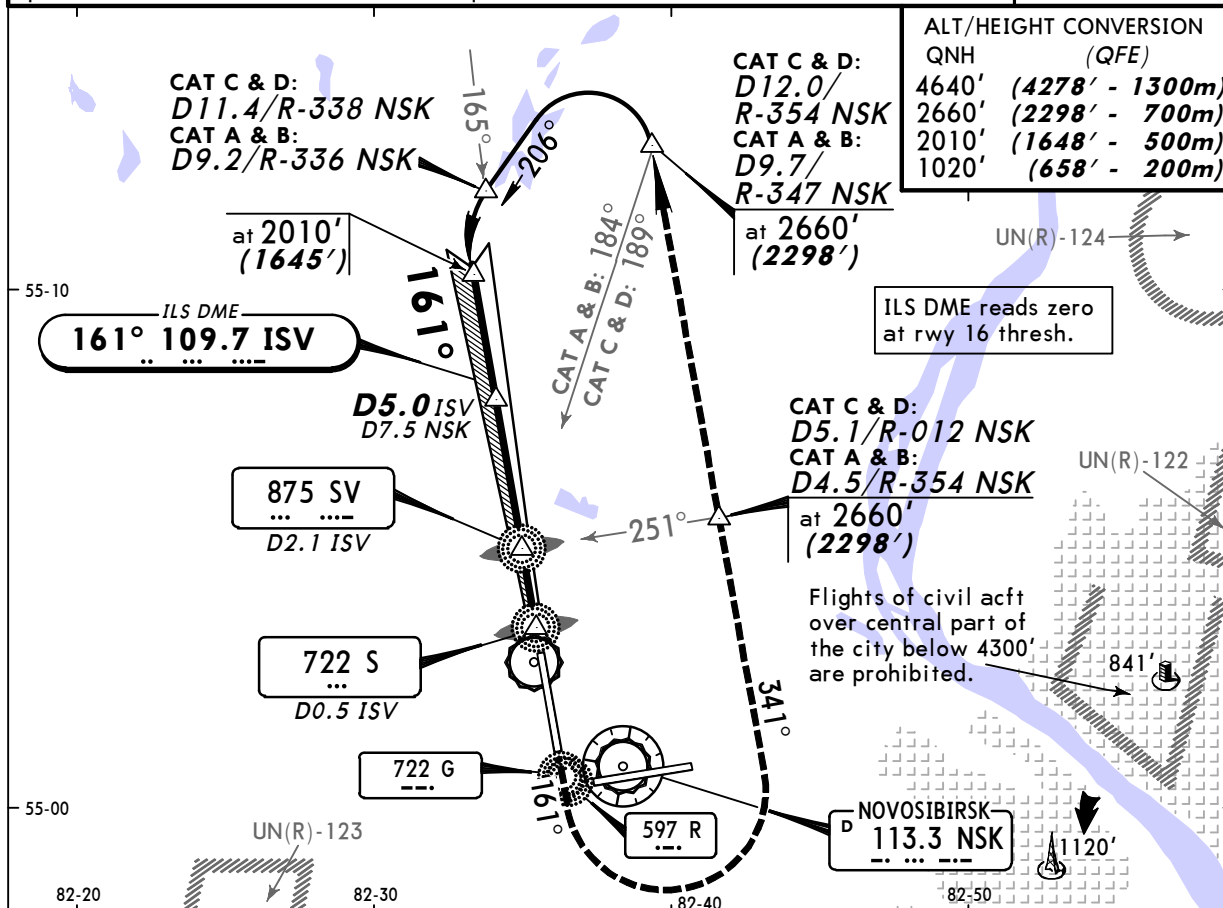
NOVOSIBIRSK, RUSSIA
CAT II ILS DME Rwy 16

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 59 Trans alt: 4640' (4278') Special aircrew and acft certification required.				



MSA NSK VOR



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1020' (658')	161°	341°	2660' (2298')
GS	3.00°	377	484	538	646	753	861	↑	↑	↑	↑

STRAIGHT-IN LANDING RWY 16

CAT II ILS

ABCD

RA 104'

DA(H) 462' (100')

RVR 350m

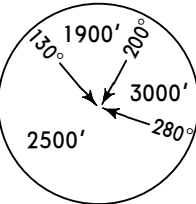
PANS OPS

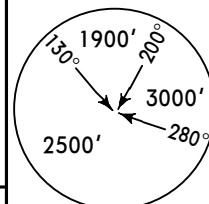
UNNT/OVB
TOLMACHEVO

JEPPESSEN
6 AUG 10 **(11-3)**

NOVOSIBIRSK, RUSSIA
ILS DME or 2 NDB Rwy 25

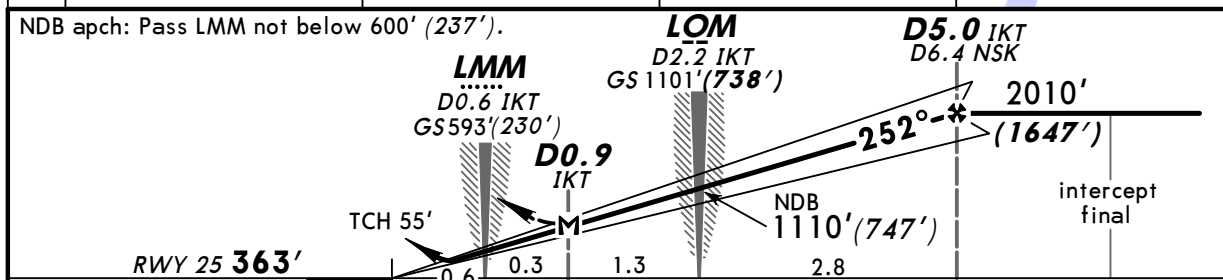
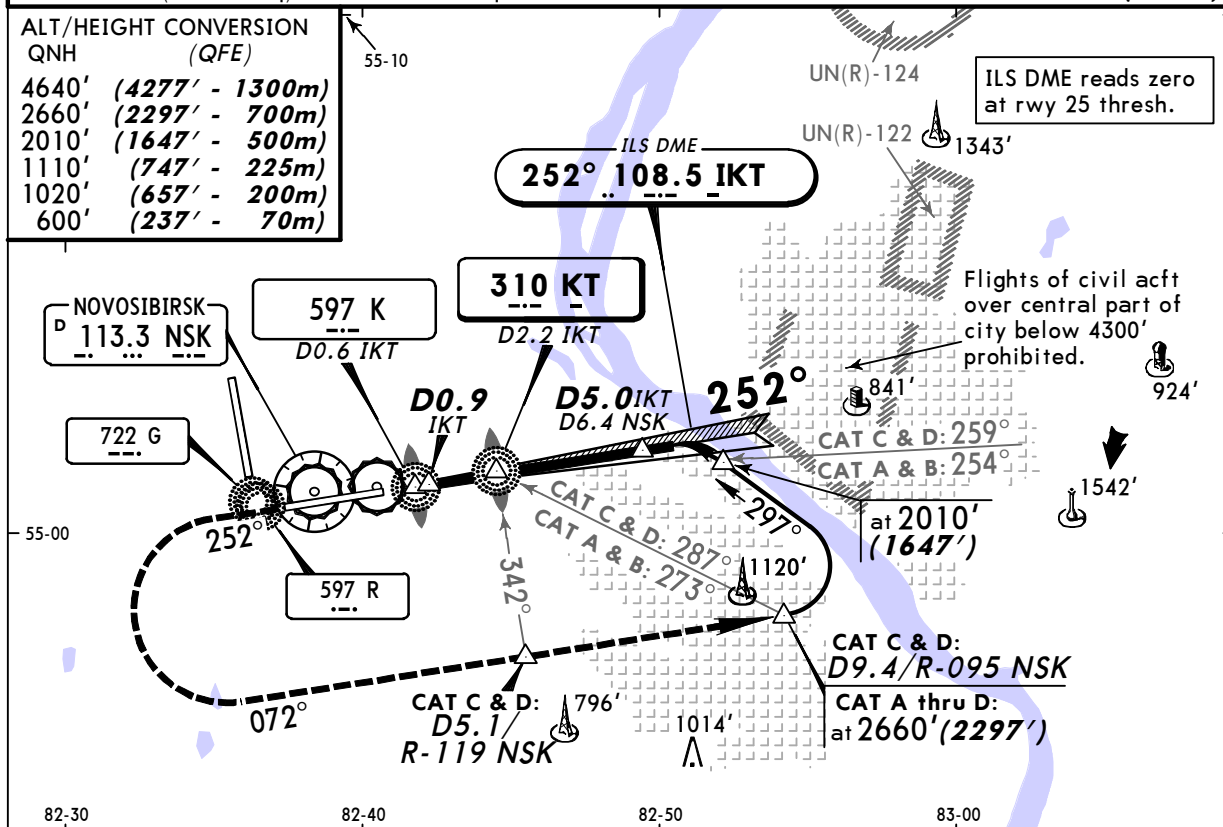
BRIEFING STRIP

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) 710' (347')			
MISSED APCH: Climb on 252° to 1020' (657'), then turn LEFT onto 072° climbing to 2660' (2297'), then according to chart.						
Alt Set: MM (hPa on req)	QNH on req (QFE)	Trans level: FL 59		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°	377	484	538	646	753	861	PAPI			
MAP at D0.9 IKT										

STRAIGHT-IN LANDING RWY 25								
ILS		LOC (GS out)	With FAF		NDB			
DA(H)	563' (200')		MDA(H)	710' (347')	MDA(H)	W/o FAF 1300' (937')		
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								
C						3600m	4400m	
D						4400m	4800m	

PANS OPS

UNNT/OVB
TOLMACHEVO

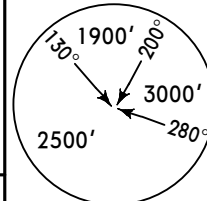
JEPPesen
6 AUG 10 **(11-4)**

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' RWY 368'
NDB GH 875		Minimum Alt D5.0 IGH 2010' (1642')	NDB MDA(H) (CONDITIONAL) 700' (332')	
MISSED APCH: Climb on 341° to 1030' (662'), then turn RIGHT onto 161° climbing to 2670' (2302'), then according to chart.				

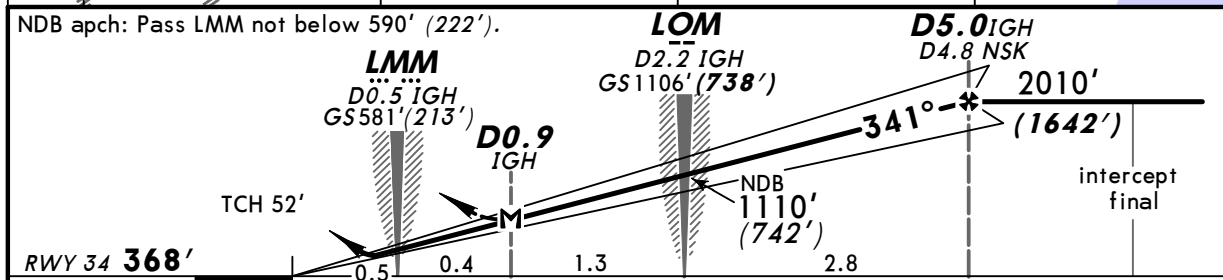
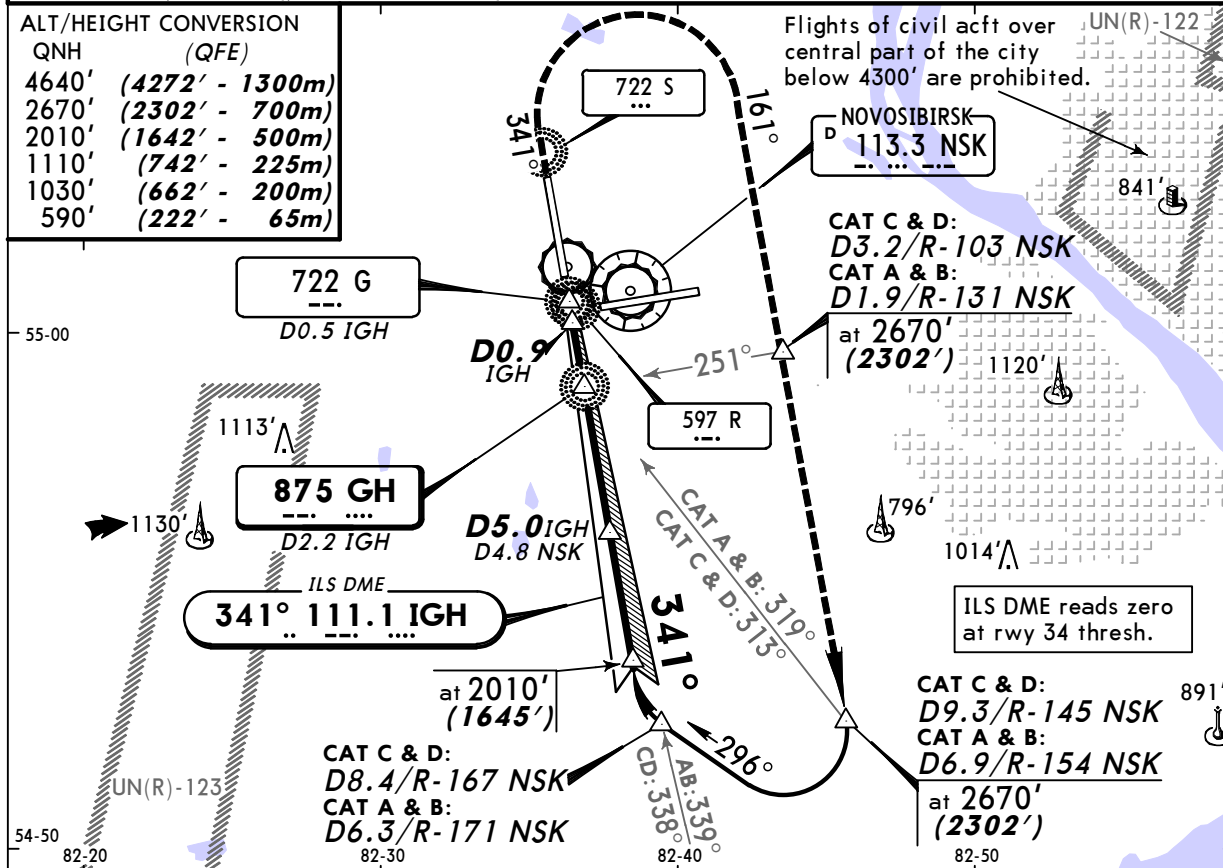
MSA NSK VOR



MSA NSK VOR

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°	377	484	538	646	753	861	PAPI			
MAP at D0.9 IGH										

PANS OPS

STRAIGHT-IN LANDING RWY 34									
ILS			LOC (GS out)	With FAF		NDB			
DA(H) 568'(200')				MDA(H) 700'(332')		W/o FAF MDA(H) 720'(352')			
FULL		ALS out		ALS out			ALS out		
A	RVR 720m VIS 800m	1200m	NOT AUTH	1200m	RVR 1500m VIS 1600m	1200m	RVR 1500m VIS 1600m		
B									
C									
D				RVR 1500m VIS 1600m		RVR 1500m VIS 1600m	RVR 1800m VIS 2000m		