

UNNT/OVB
TOLMACHEVO

JEPPESSEN

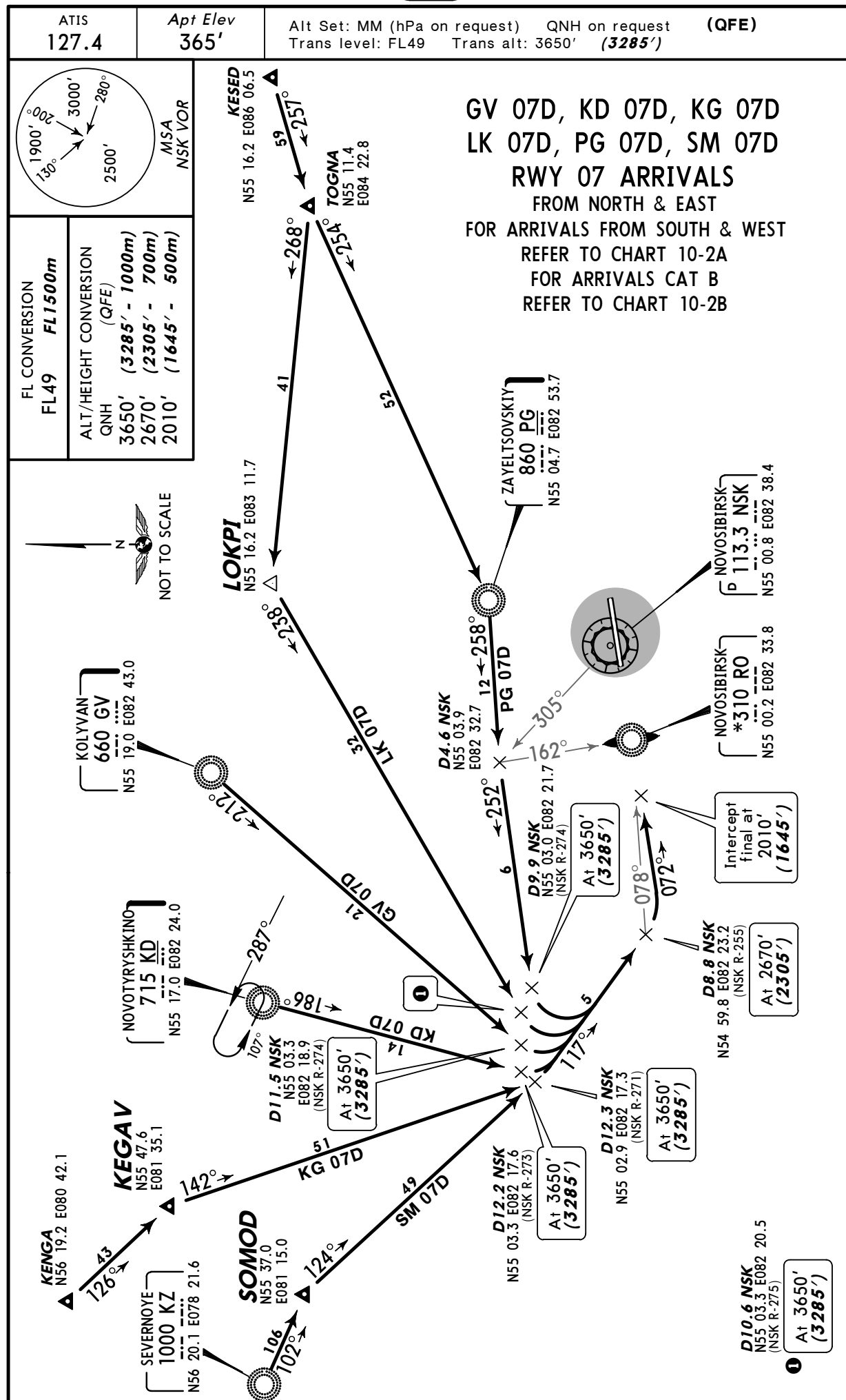
NOVOSIBIRSK, RUSSIA

11 JAN 08

10-2

Eff 17 Jan

STAR



UNNT/OVB
TOLMACHEVO

JEPPESEN

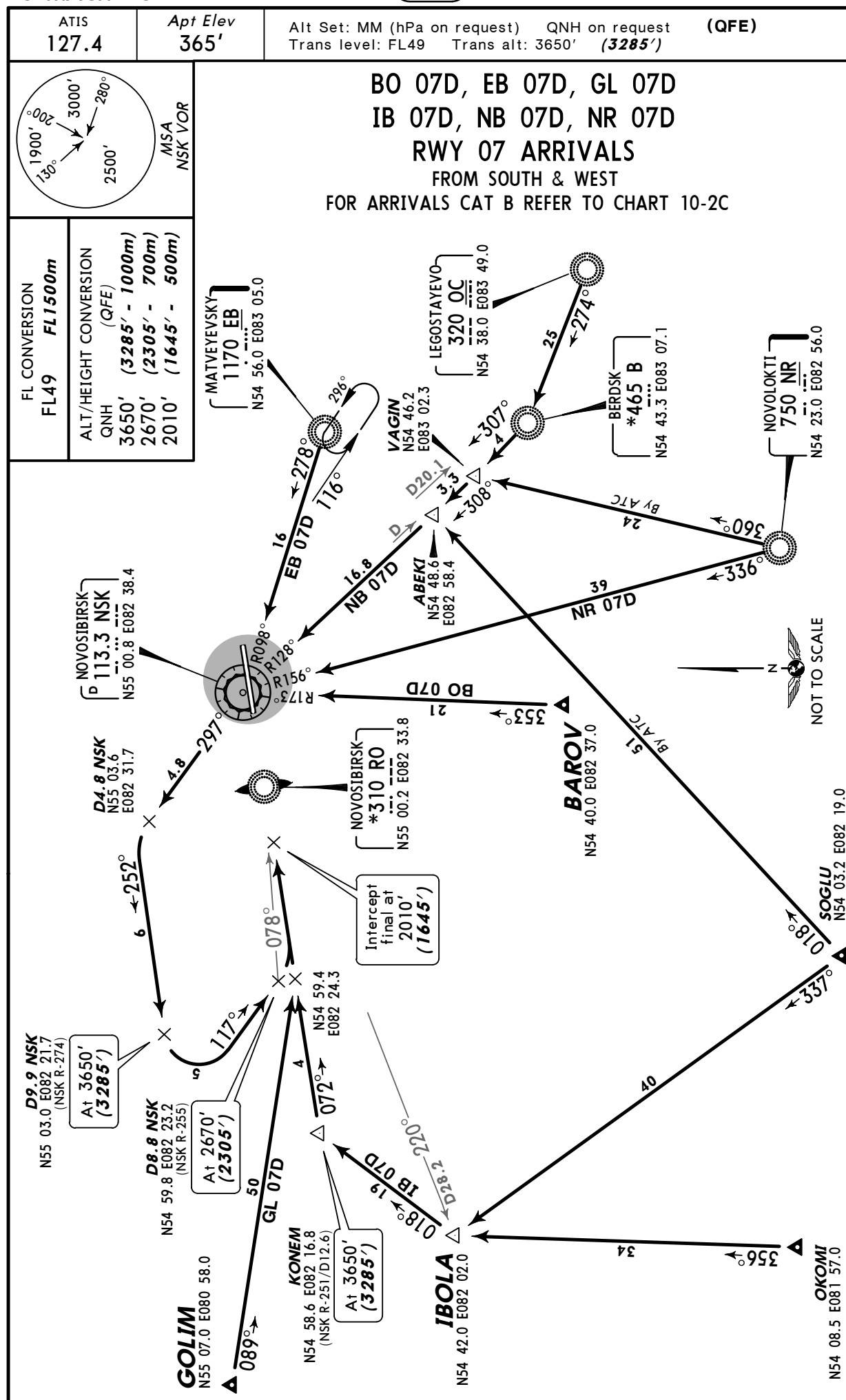
NOVOSIBIRSK, RUSSIA

11 JAN 08

10-2A

Eff 17 Jan

STAR



UNNT/OVB
TOLMACHEVO

JEPPESEN

NOVOSIBIRSK, RUSSIA

11 JAN 08

10-2B

Eff 17 Jan

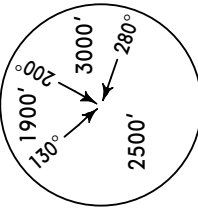
STAR

ATIS
127.4

Apt Elev
365'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL49 Trans alt: 3650' (3285')

(QFE)

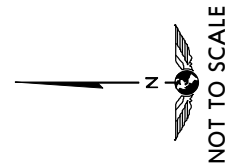


MSA
NSK VOR

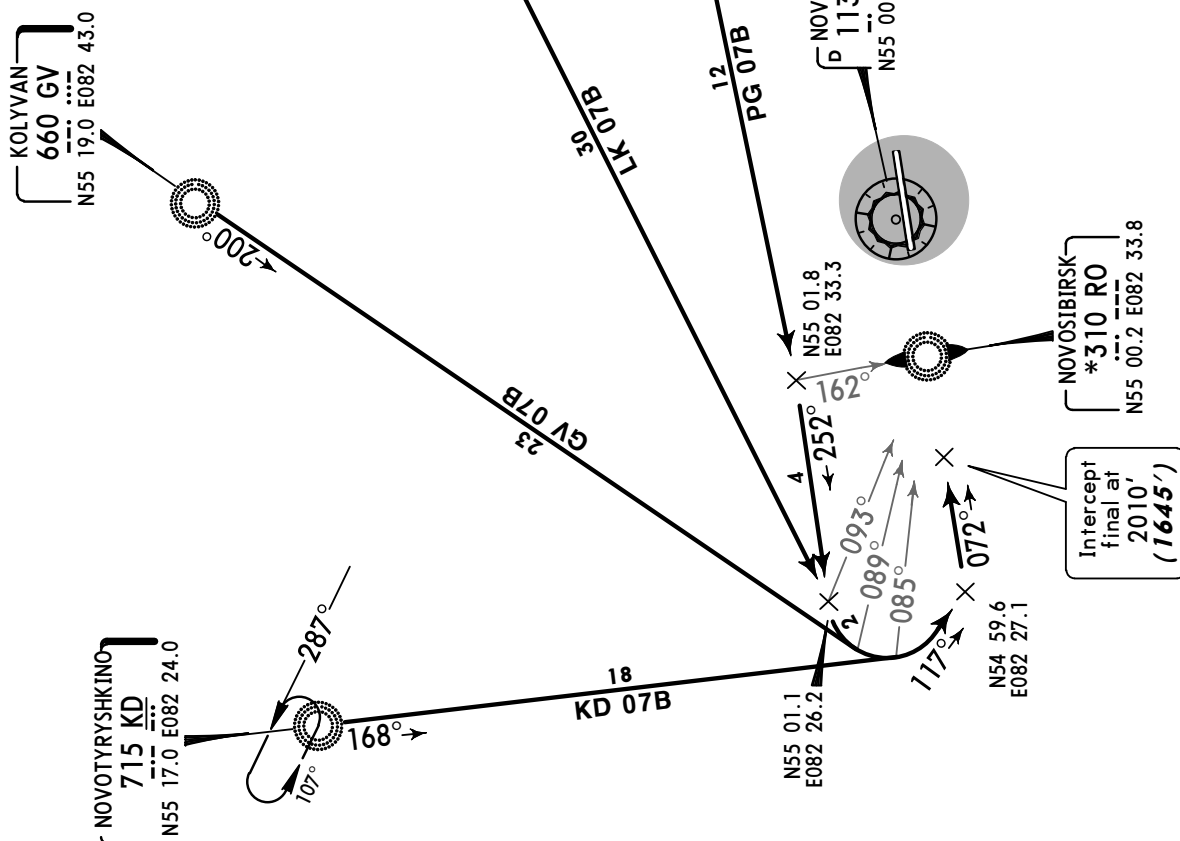
GV 07B, KD 07B, LK 07B, PG 07B RWY 07 ARRIVALS

CAT B

FROM NORTH & EAST
FOR ARRIVALS FROM SOUTH & WEST
REFER TO CHART 10-2C



FL CONVERSION	FL49	FL1500m
ALT/HEIGHT CONVERSION	QNH	(QFE)
	3650'	(3285' - 1000m)
	2010'	(1645' - 500m)



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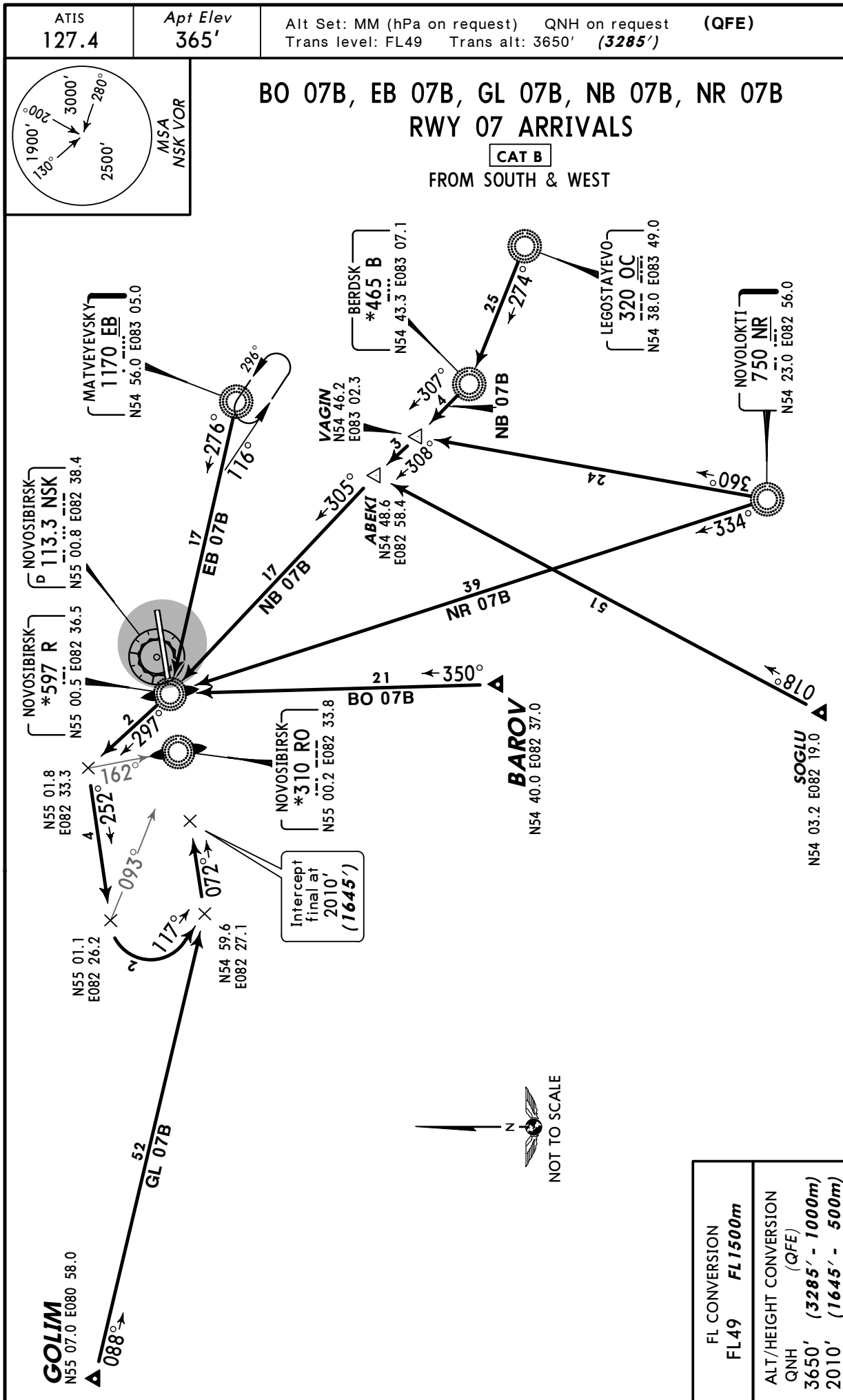
NOVOSIBIRSK, RUSSIA

11 JAN 08

10-2C

Eff 17 Jan

STAR



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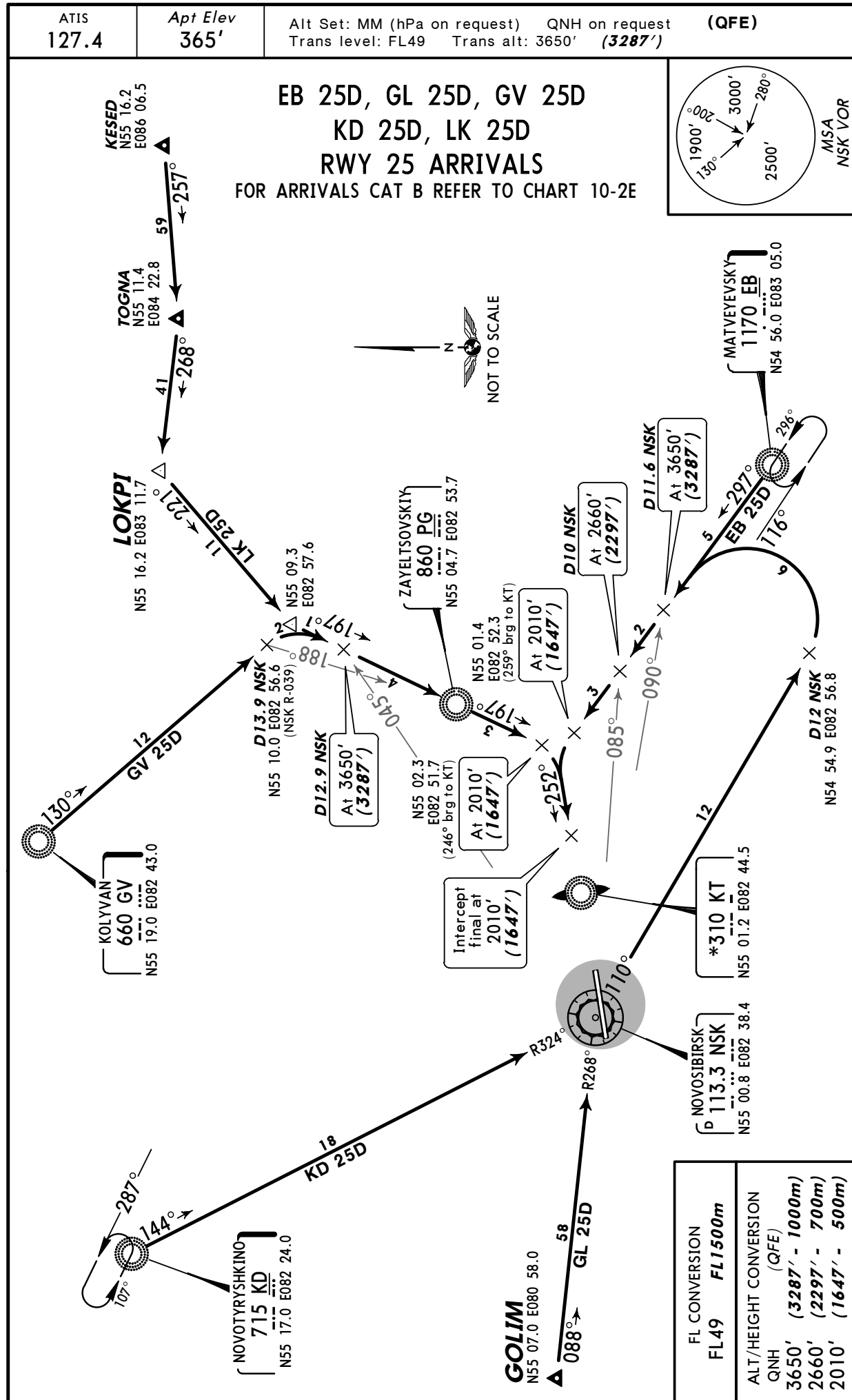
17 OCT 08

10-2D

Eff 23 Oct

NOVOSIBIRSK, RUSSIA

STAR

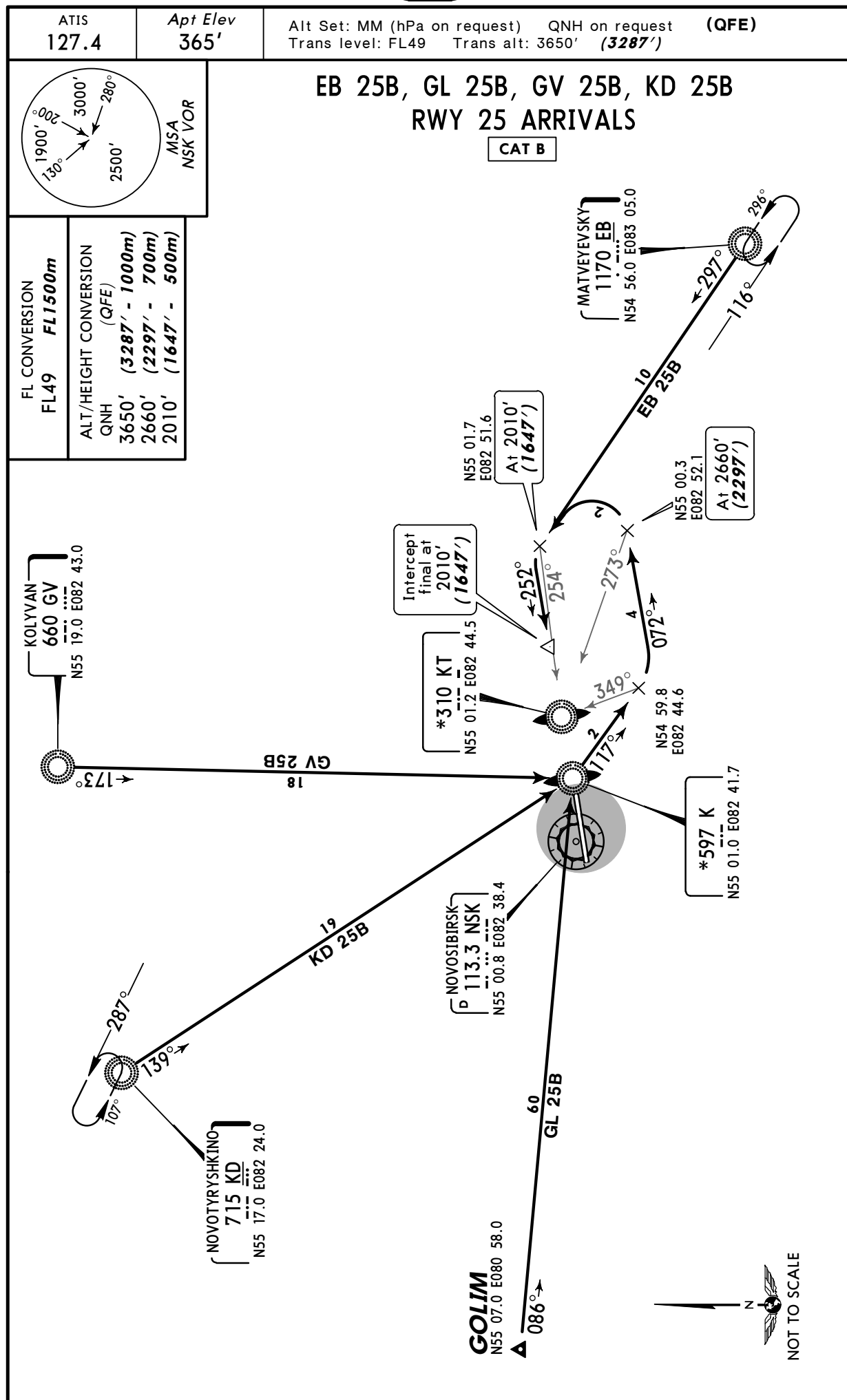


UNNT/OVB
TOLMACHEVO

17 OCT 08 **10-2E** Eff 23 Oct

NOVOSIBIRSK, RUSSIA

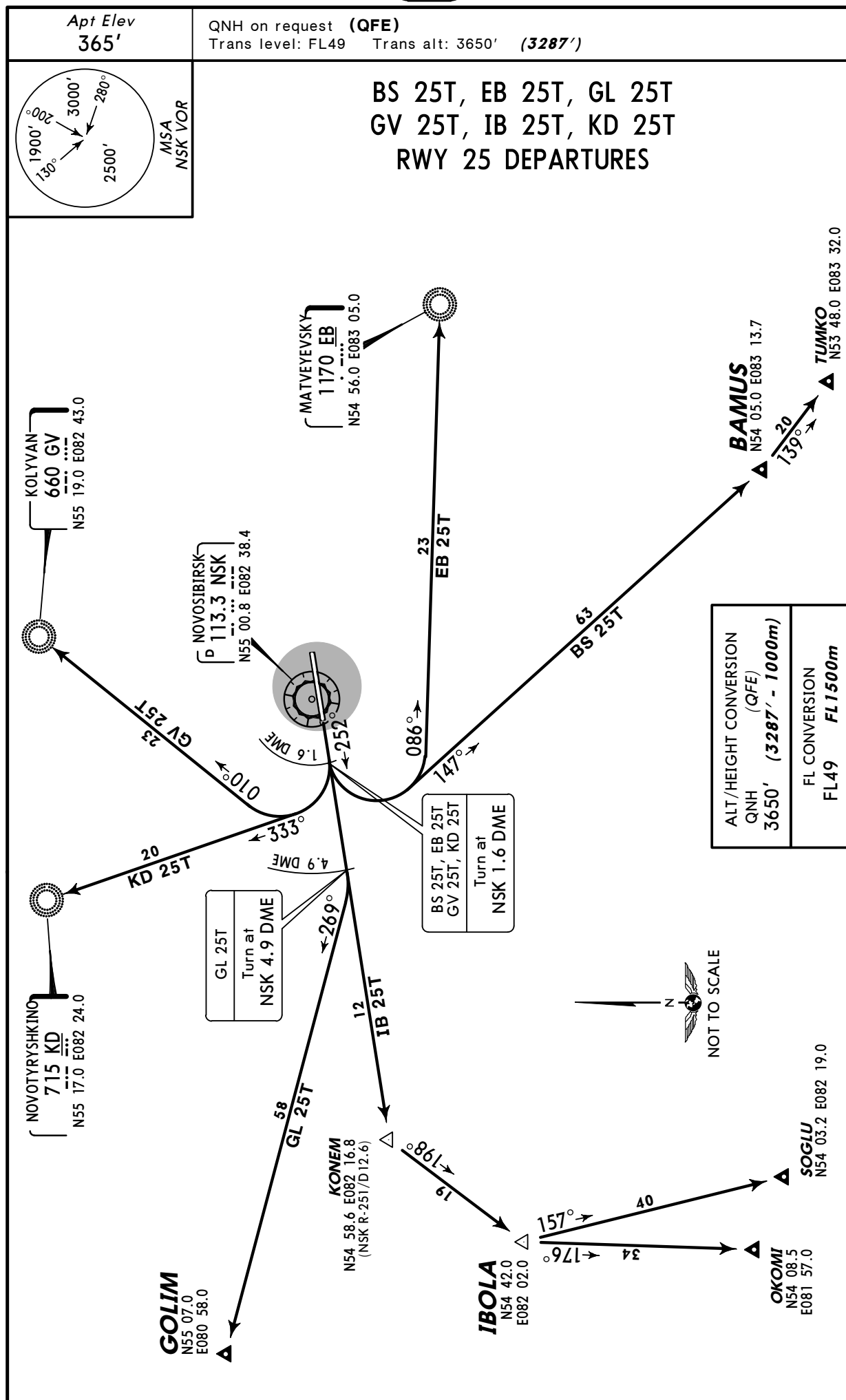
STAR



UNNT/OVB
TOLMACHEVO

JEPPESEN
22 FEB 08 10-3

NOVOSIBIRSK, RUSSIA
SID

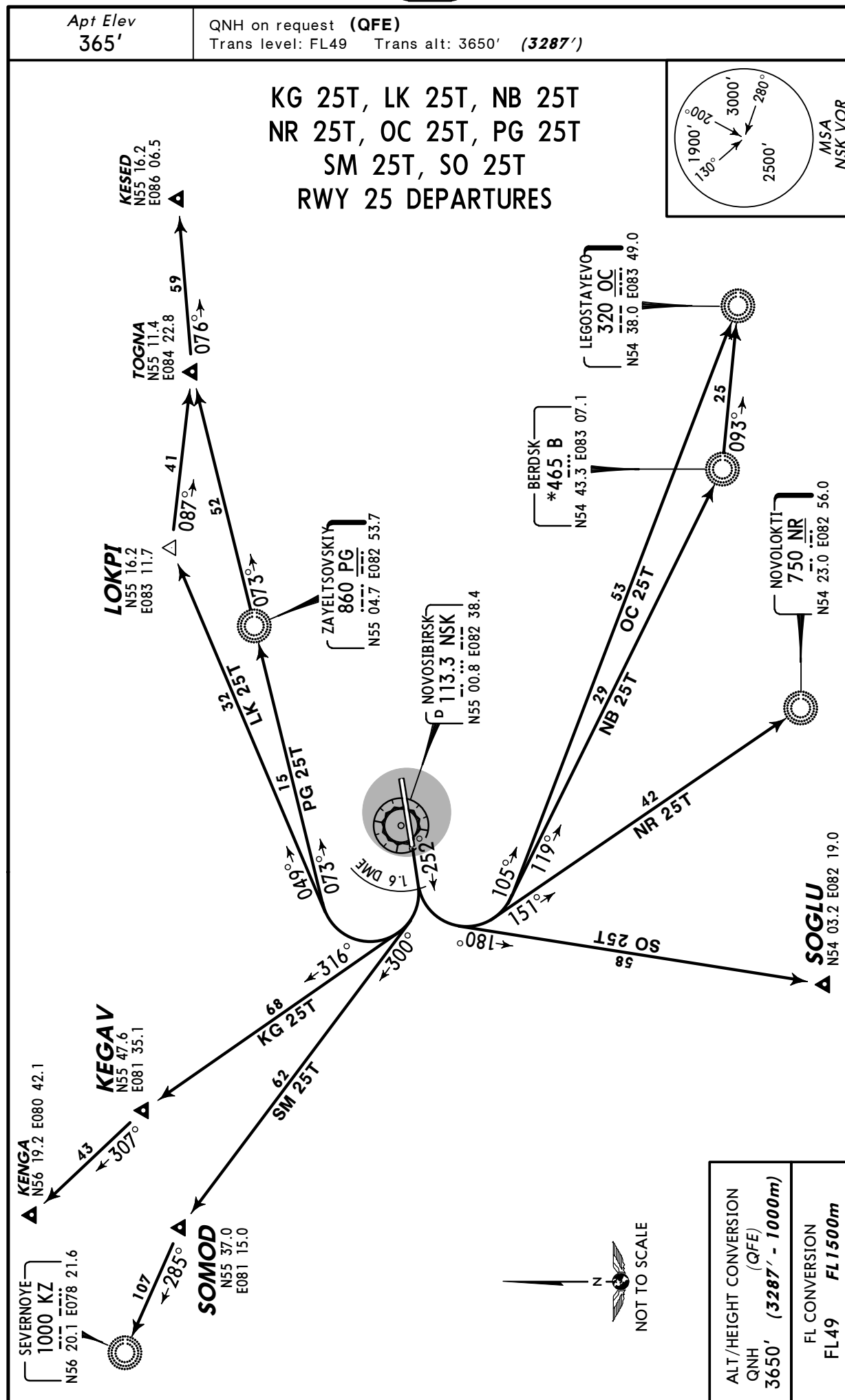


UNNT/OVB
TOLMACHEVO

JEPPESEN
22 FEB 08 10-3A

NOVOSIBIRSK, RUSSIA

SID



UNNT/OVB
TOLMACHEVO

JEPPESEN

NOVOSIBIRSK, RUSSIA

9 FEB 07

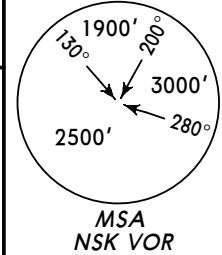
10-3B

Eff 15 Feb

SID

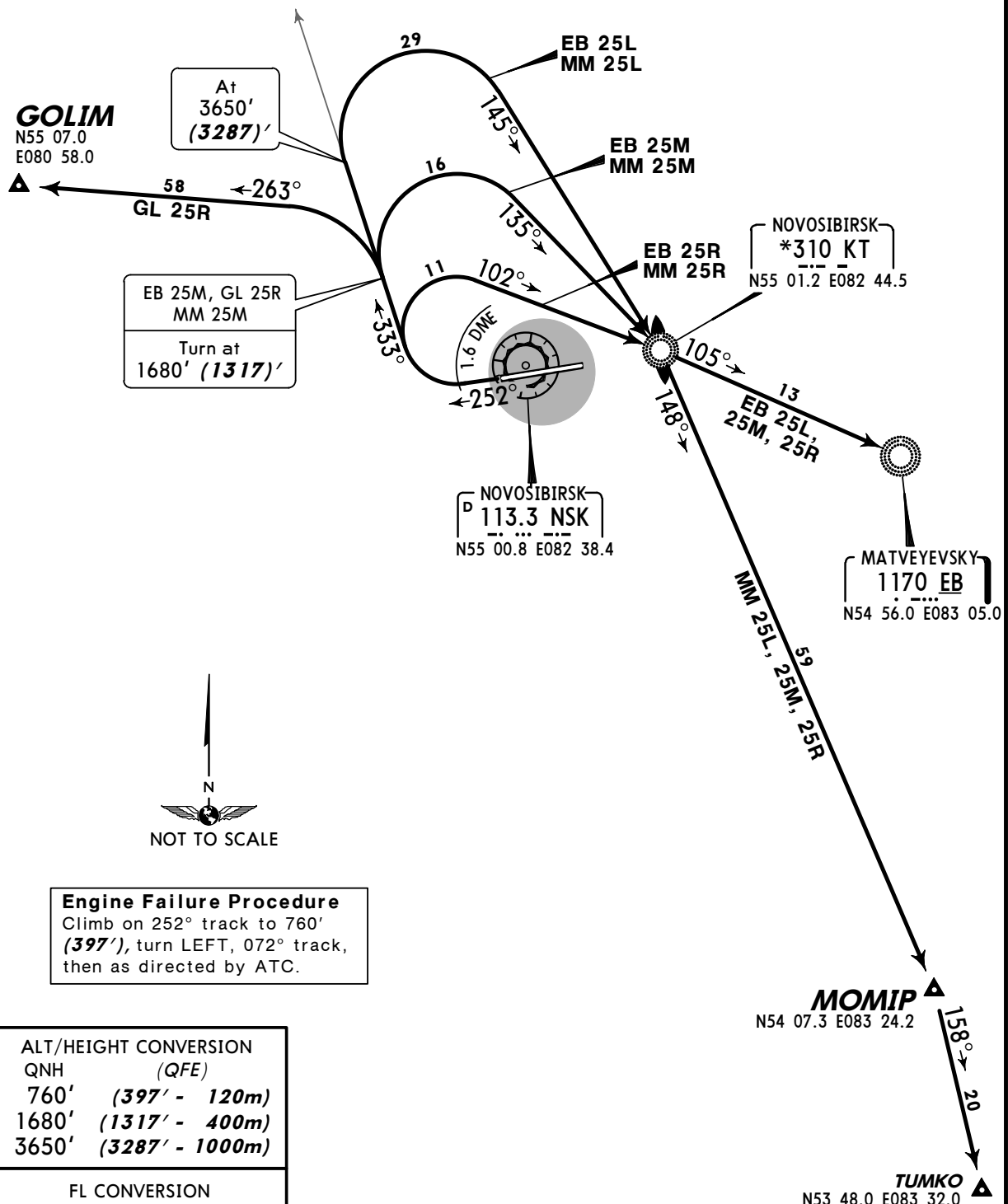
Apt Elev
365'

QNH on request (QFE)
Trans level: FL49 Trans alt: 3650' (3287')



EB 25L, EB 25M, EB25R
GL 25R
MM 25L, MM 25M, MM25R
RWY 25 DEPARTURES
By ATC

NOVOTYRSHKINO
715 KD
N55 17.0 E082 24.0



UNNT/OVB
TOLMACHEVO



NOVOSIBIRSK, RUSSIA

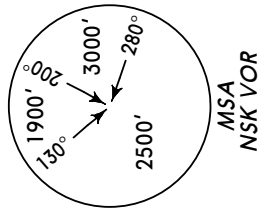
9 FEB 07

(10-3C)

Eff 15 Feb**SID**

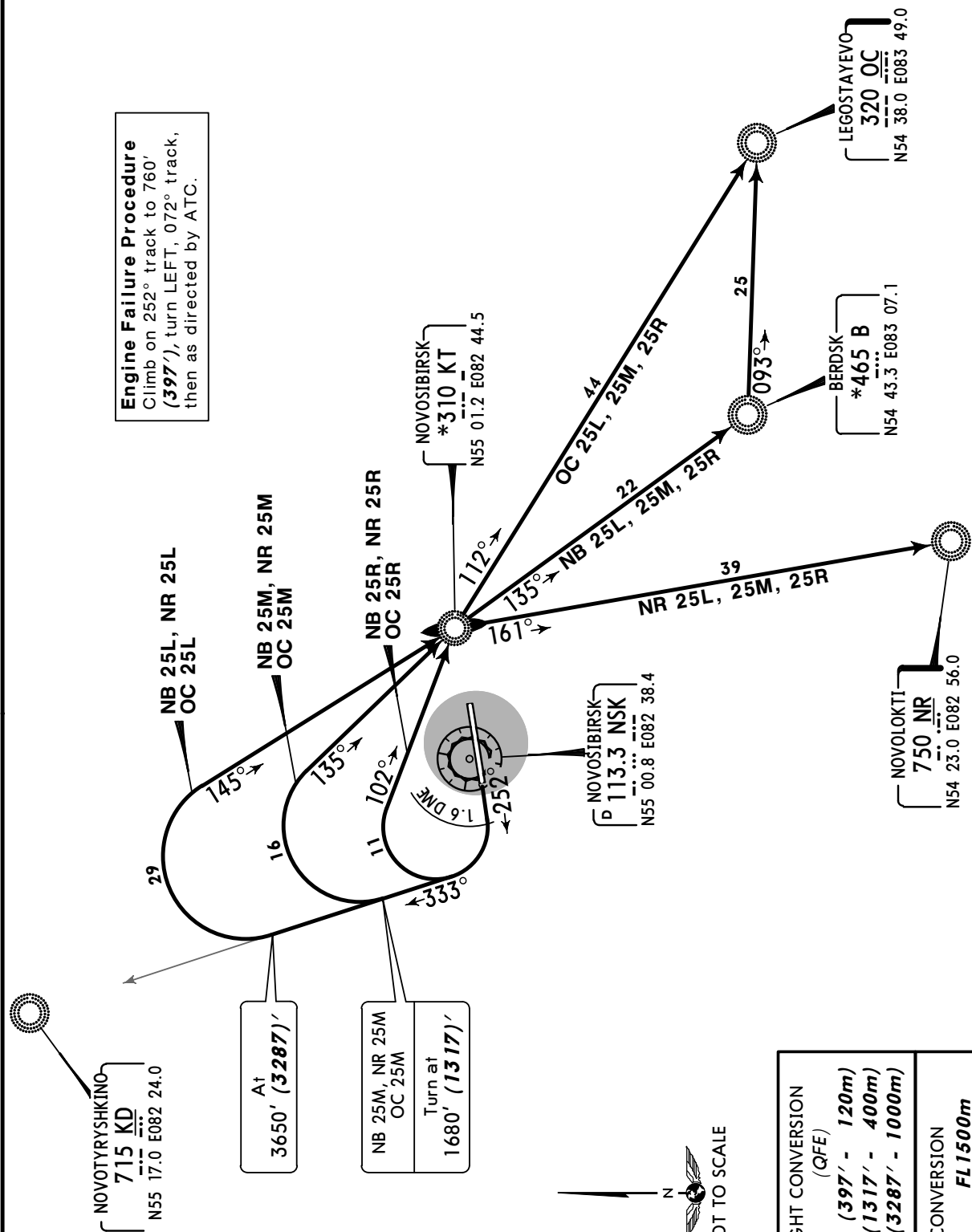
Apt Elev
365'

QNH on request **(QFE)**

Trans level: FL49 Trans alt: 3650' **(3287')**

NB 25L, NB 25M, NB 25R
NR 25L, NR 25M, NR 25R
OC 25L, OC 25M, OC 25R
RWY 25 DEPARTURES
By ATC

Engine Failure Procedure
Climb on 252° track to 760' (397'), turn LEFT, 072° track, then as directed by ATC



NOT TO SCALE

ALT/HEIGHT CONVERSION

QNH (QFE)

760' (397' - 120m)

1680' (1317' - 400m)

FL CONVERSION

FL49 FL1500m

UNNT/OVB
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JEPPESEN
11 JAN 08 10-3D Eff 17 Jan

NOVOSIBIRSK, RUSSIA

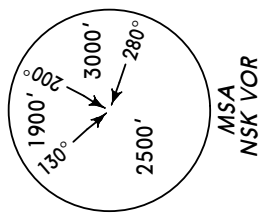
SID

Apt Elev
365'

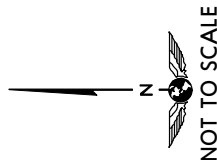
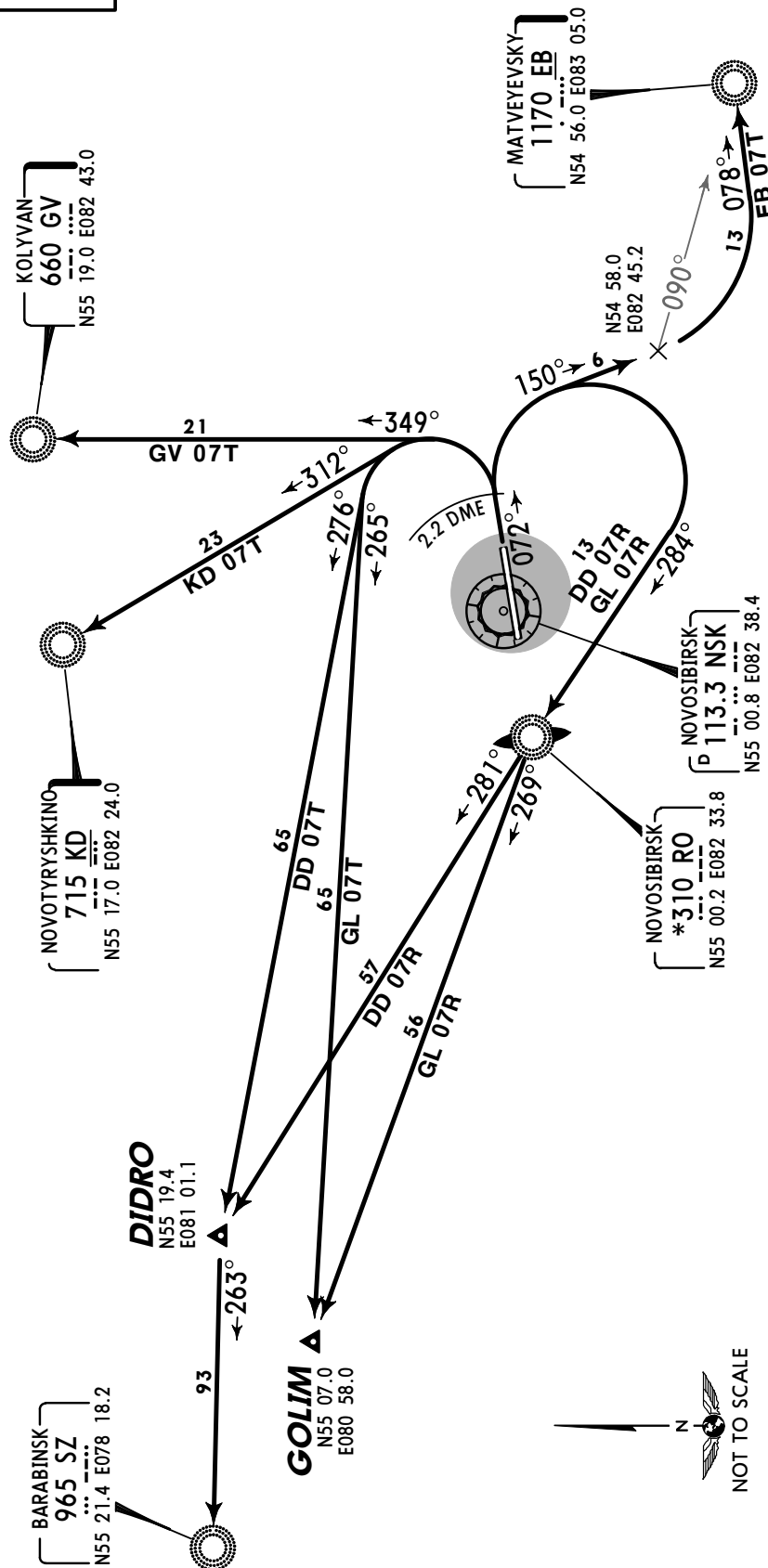
QNH on request (QFE)

Trans level: FL49 Trans alt: 3650' (3285')

Noise abatement procedure should be applied according to Flight Manual.



DD 07R, DD 07T, EB 07T
GL 07R, GL 07T, GV 07T, KD 07T
RWY 07 DEPARTURES



ALT/HEIGHT CONVERSION
QNH (QFE)
3650' (3285' - 1000m)

FL CONVERSION
FL49 FL1500m

**UNNT/OVB
TOLMACHEVO**

NOVOSIBIRSK, RUSSIA

11 JAN 08

10-3E

Eff 17 Jan

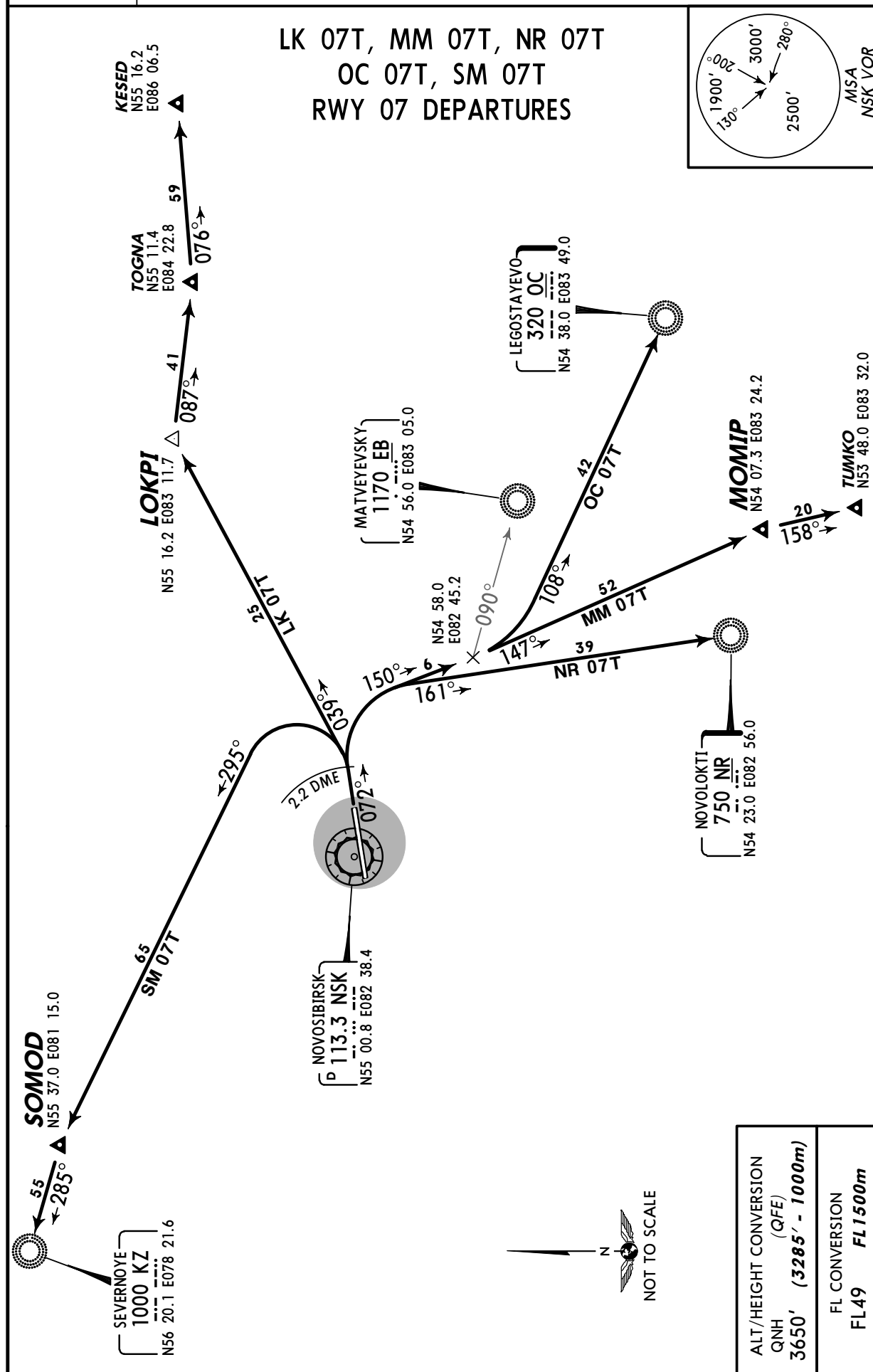
SID

Apt Elev
365'

QNH on request (QFE)

Trans level: FL49 Trans alt: 3650' **(3285')**

Noise abatement procedure should be applied according to Flight Manual.



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.

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Apt Elev **365'**
N55 00.7 E082 39.1

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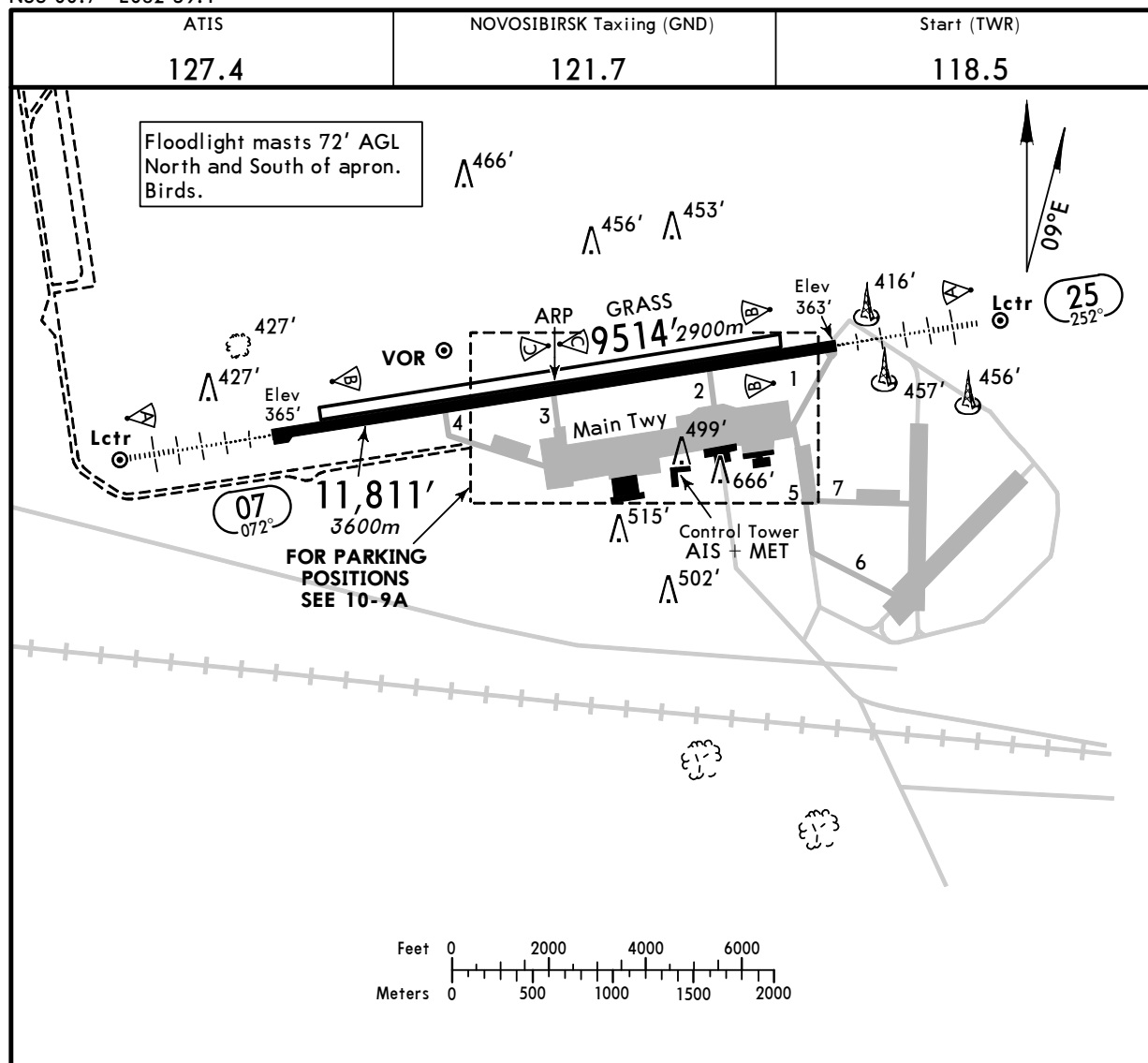
9 JAN 09

(10-9)

Eff 15 Jan

NOVOSIBIRSK, RUSSIA

TOLMACHEVO



ADDITIONAL RUNWAY INFORMATION

ADDITIONAL RUNWAY INFORMATION					USABLE LENGTHS		TAKE-OFF	WIDTH
					LANDING BEYOND			
RWY					Threshold	Glide Slope		
07 25	Grass runway							230' 70m
07 ① 25	HIRL (60m) HIALS PAPI-L (angle 3.0°) RVR					10,778' 3285m 11,204' 3415m	11,483' 3500m ②	197' 60m

❶ Elevated runway edge lights 2' / 0.5m.

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

TAKE-OFF

AIR CARRIER (JAA)

All Rwy's

LVP must be in force

RCLM (DAY only)
or RL

RCLM (DAY only)
or RL

A		
B	250m	400m
C		
D	300m	

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NOVOSIBIRSK, RUSSIA

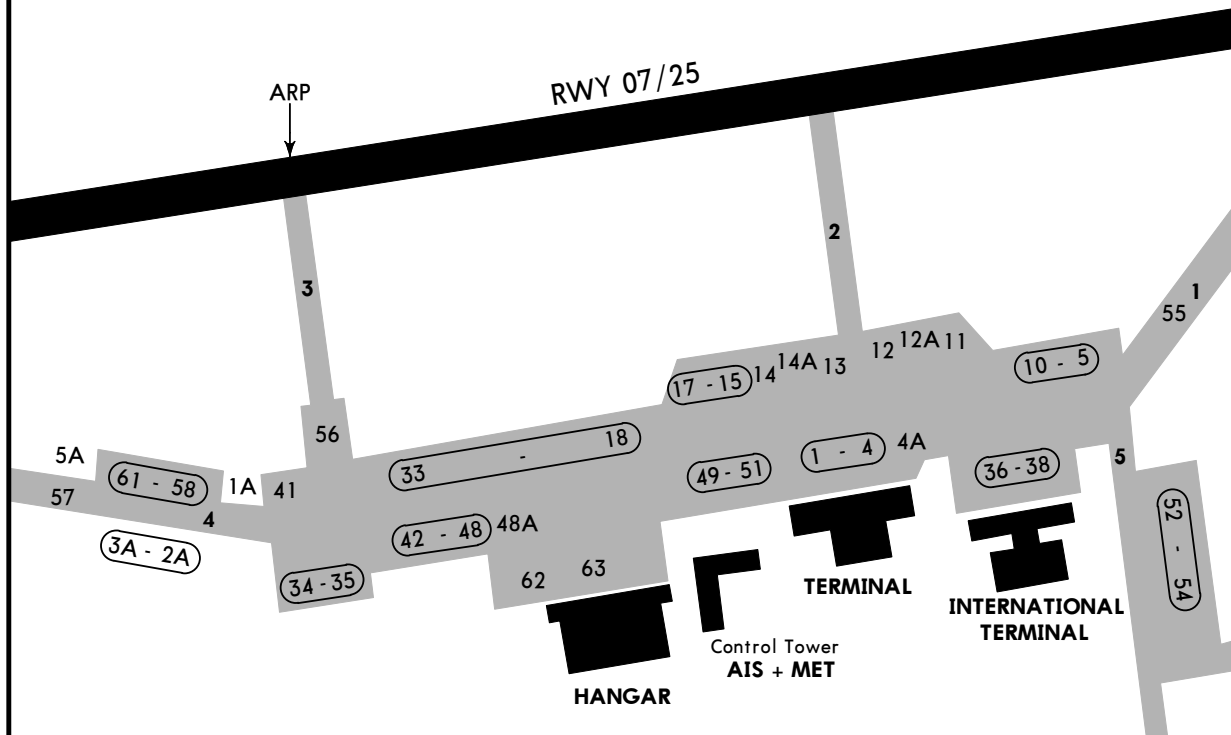
9 JAN 09

10-9A

Eff 15 Jan

TOLMACHEVO

NOT TO SCALE



UNNT/OVB

JEPPESEN
 22 FEB 08 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
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	NDB	700' (335')	700' (335')	700' (335')	700' (335')
		R900m	R1000m	R1000m	R1400m
	ALS out	R1500m	R1500m	R1800m	R2000m
25	ILS	563' (200')	563' (200')	563' (200')	563' (200')
		R550m	R550m	R550m	R550m
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	NDB	710' (347')	710' (347')	710' (347')	710' (347')
		R900m	R1000m	R1000m	R1400m
	ALS out	R1500m	R1500m	R1800m	R2000m

TAKE-OFF RWY 07, 25

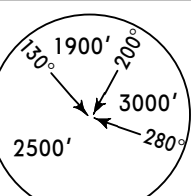
LVP must be in Force		
	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A	250m	400m
B		
C		
D	300m	500m

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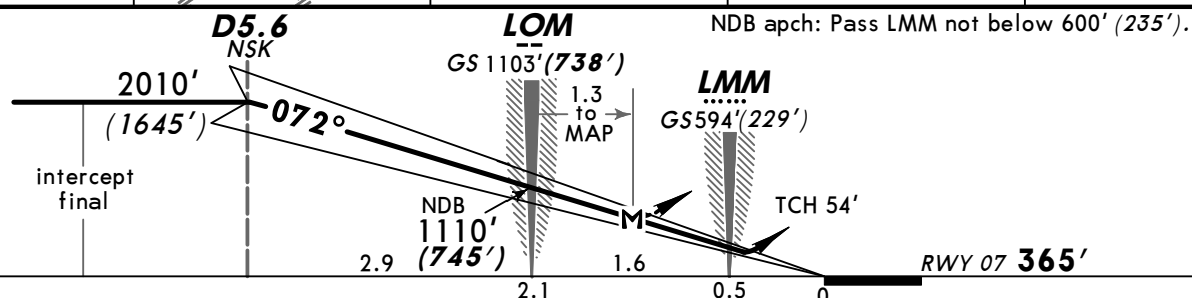
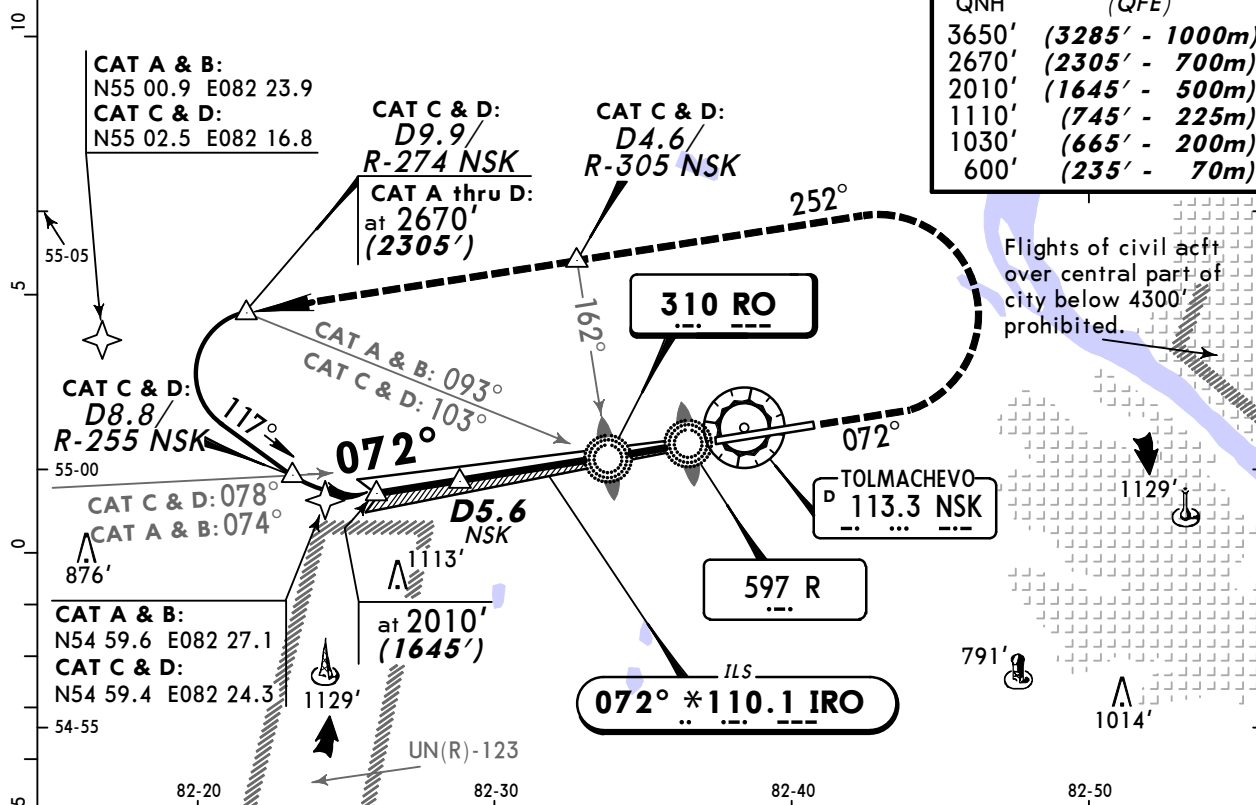
JEPPESSEN
27 MAR 09
Eff 9 Apr (11-1)

NOVOSIBIRSK, RUSSIA
ILS or 2 NDB Rwy 07

BRIEFING STRIP™

ATIS	NOVOSIBIRSK Approach	NOVOSIBIRSK Krug (APP/RDR)		NOVOSIBIRSK Start (TWR)	Ground
127.4	127.5	122.0		118.5	121.7
LOC IRO *110.1	Final Apch Crs 072°	GS LOM 1103' (738')	ILS DA(H) 565' (200')	Apt Elev 365' RWY 365'	 MSA NSK VOR
NDB RO 310		Minimum Alt LOM 1110' (745')	NDB MDA(H) 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.					
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 49 Trans alt: 3650' (3285')					

ALT/HEIGHT CONVERSION	
QNH	(QFE)
3650'	(3285' - 1000m)
2670'	(2305' - 700m)
2010'	(1645' - 500m)
1110'	(745' - 225m)
1030'	(665' - 200m)
600'	(235' - 70m)



<i>Gnd speed-Kts</i>	70	90	100	120	140	160	HIALS PAPI	1030' (665') _{on}	252° LT	2670' (2305')
<i>ILS GS 3.00° or NDB Desc Grad 5.2%</i>	377	484	538	646	753	861		072°		
<i>LOM to MAP 1.3</i>	1:07	0:52	0:47	0:39	0:33	0:29				

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

**UNNT/OVB
TOLMACHEVO**

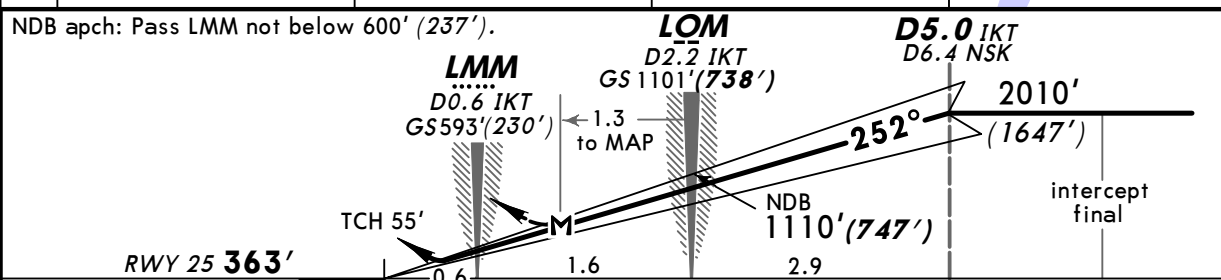
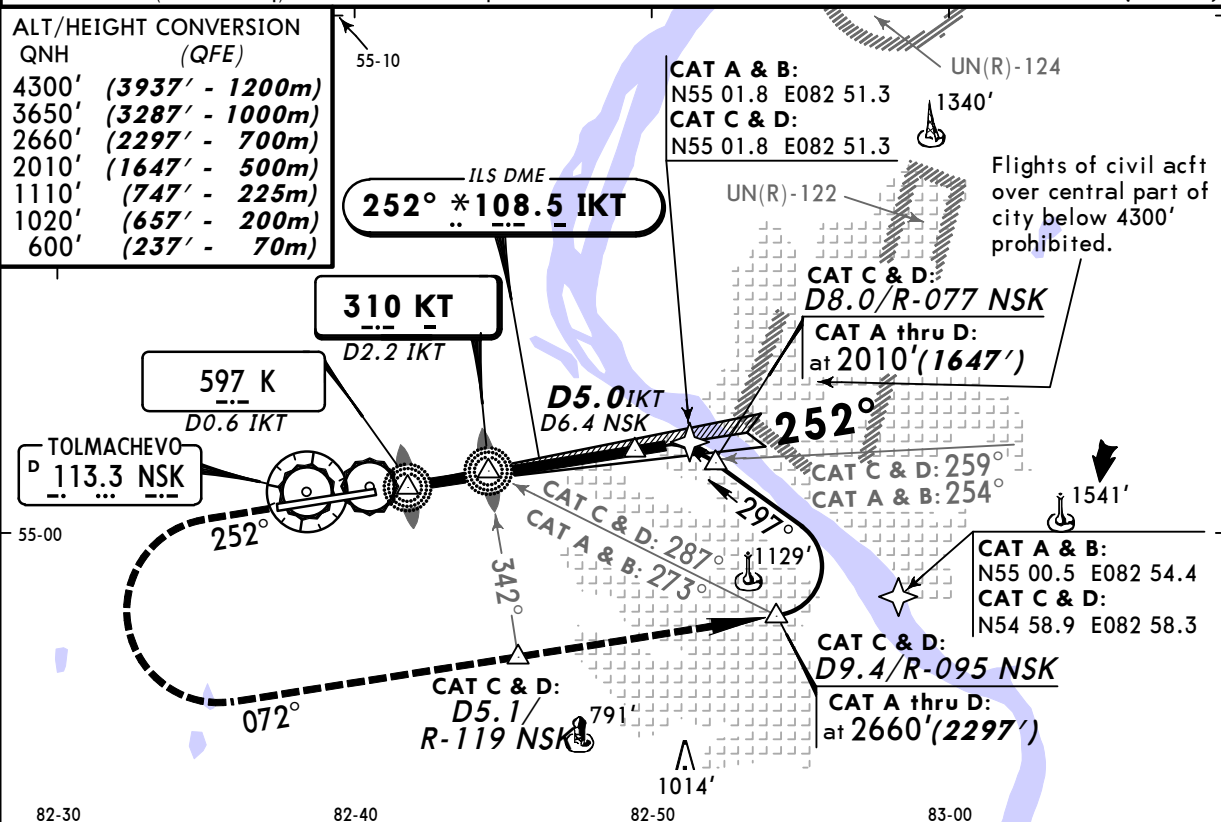
JEPPESSEN
27 MAR 09
Eff 9 Apr (11-2) I

N NOVO SIBIRSK, RUSSIA
ILS DME or 2 NDB Rwy 25

DAILY INFO START

ATIS		NOVOSIBIRSK Approach		NOVOSIBIRSK Krug (APP/RDR)		NOVOSIBIRSK Start (TWR)		Ground	
127.4		127.5		122.0		118.5		121.7	
LOC IKT *108.5		Final Apch Crs 252°		GS LOM 1101' (738')		ILS DA(H) 563' (200')		Apt Elev 365'	
NDB KT 310				Minimum Alt LOM 1110' (747')		NDB MDA(H) 710' (347')		RWY 363'	
MISSED APCH: Climb on 252° to 1020' (657'), then turn LEFT onto 072° climbing to 2660' (2297'), then according to chart.								130' 1900' 200° 3000' 280° 2500' MSA NSK VOR	
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 49 Trans alt: 3650' (3287')									

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4300'	(3937' - 1200m)
3650'	(3287' - 1000m)
2660'	(2297' - 700m)
2010'	(1647' - 500m)
1110'	(747' - 225m)
1020'	(657' - 200m)
600'	(237' - 70m)



<i>Gnd speed-Kts</i>	70	90	100	120	140	160	HIALS PAPI	1020' (657') on 252°	072° LT	2660' (2297')
<i>ILS GS 3.00° or</i>										
<i>NDB Desc Grad 5.2%</i>	377	484	538	646	753	861				
<i>LOM to MAP 1.3</i>	1:06	0:52	0:47	0:39	0:33	0:30				

STRAIGHT-IN LANDING RWY 25

		ILS <i>DA(H)</i> 563' (200')		LOC (GS out)		NDB <i>MDA(H)</i> 710' (347')			
		FULL	ALS out			ALS out			
A	RVR 720m VIS 800m	1200m	NOT AUTH	1300m		2100m			
B									
C									
D				1700m					

CHANGES: ILS DME established.

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