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Airport Information For UHWW

Terminal Charts For UHWW

Revision Letter For Cycle 23-2013

Change Notices

Notebook

General Information

Location: Vladivostok Rus
IATA Code: VVO
Lat/Long: N43° 23.9' E132° 08.9'
Elevation: 59 ft

Airport Use: Public
Magnetic Variation: 10.2°W

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: 2201 Z
Sunset: 0750 Z,

Runway Information

Runway: 07L
Length x Width: 11483 ft x 197 ft
Surface Type: concrete
TDZ-Elev: 33 ft
Lighting: Edge

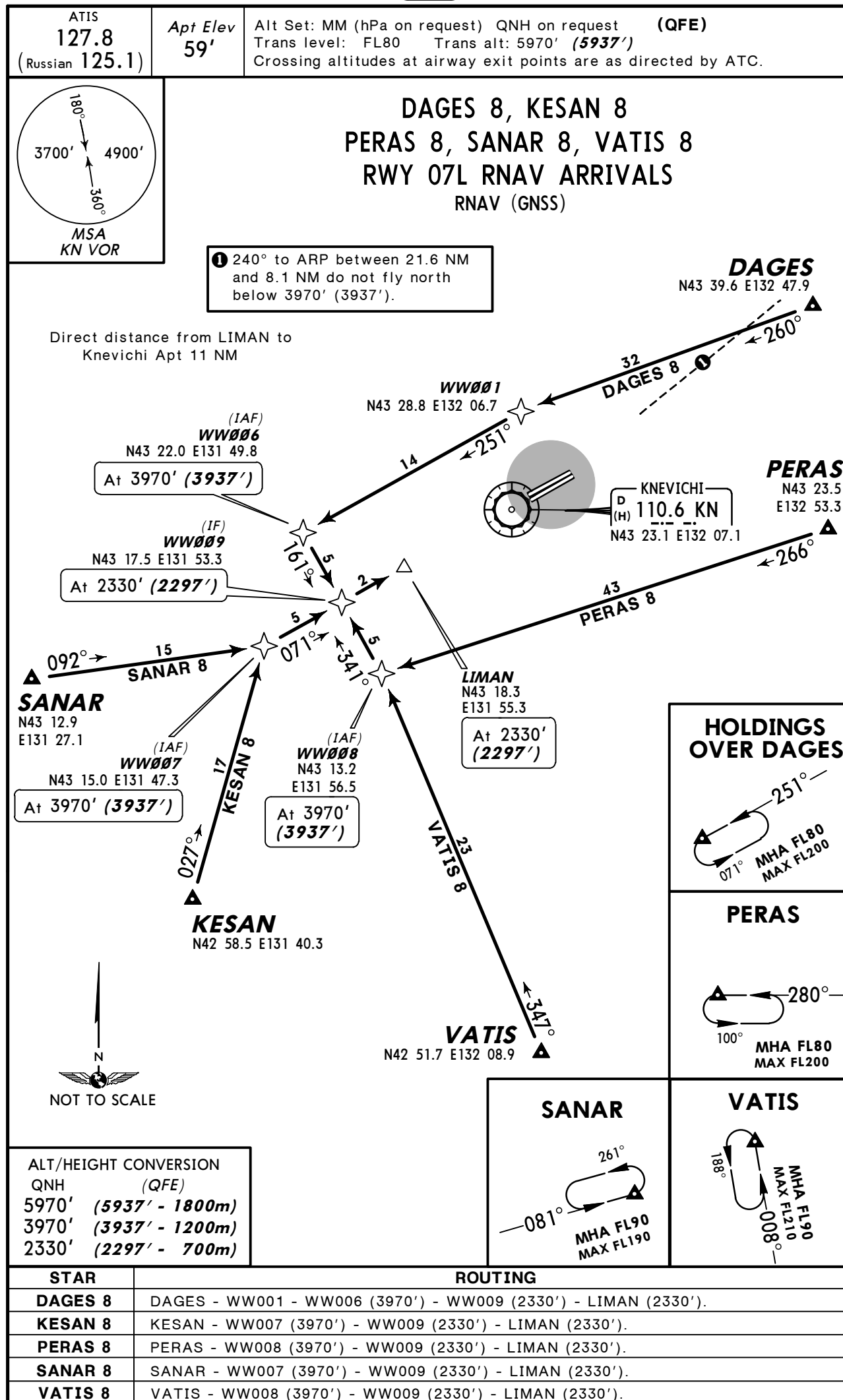
Runway: 07R
Length x Width: 11483 ft x 197 ft
Surface Type: concrete
TDZ-Elev: 32 ft
Lighting: Edge, ALS, Centerline

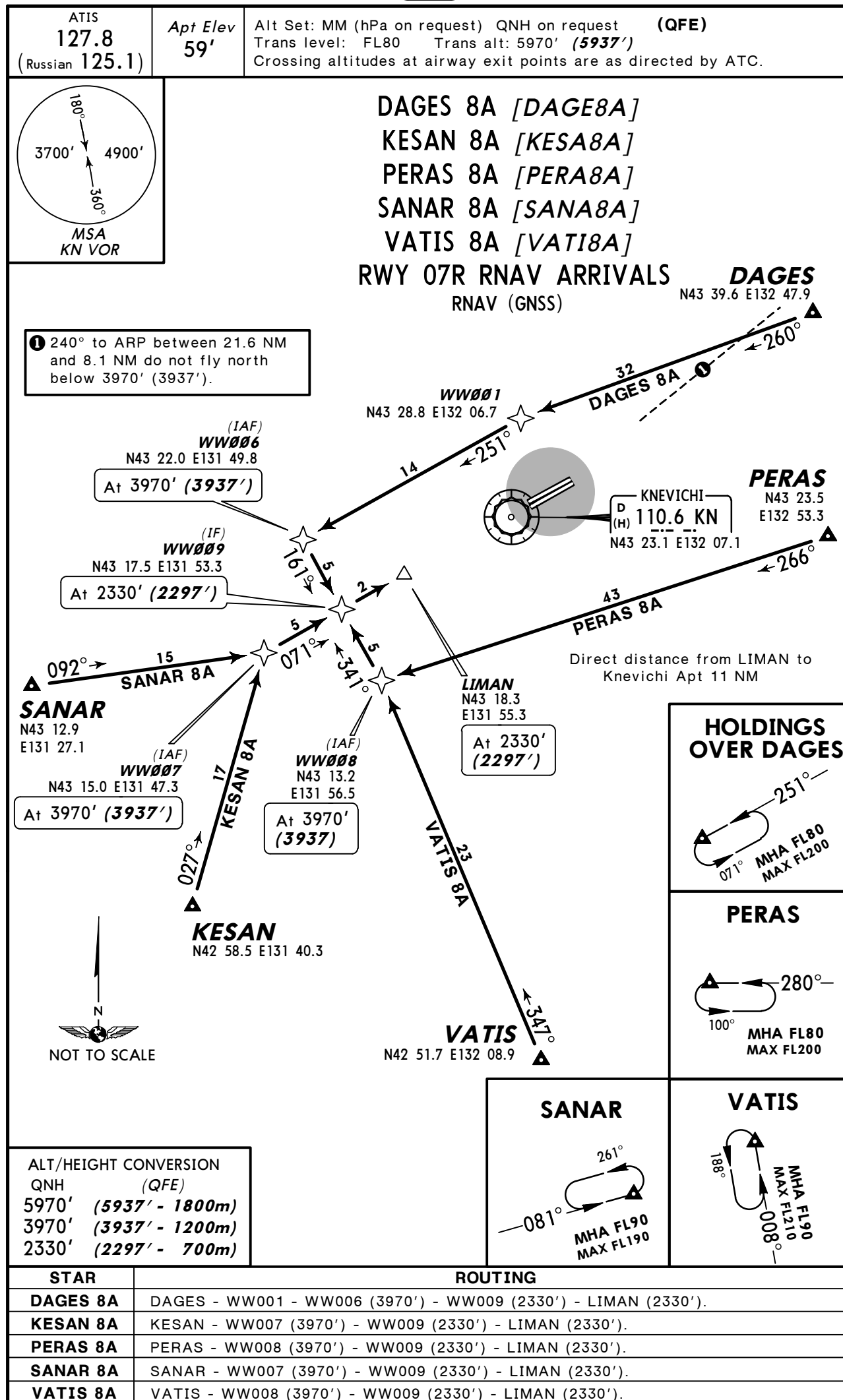
Runway: 25L
Length x Width: 11483 ft x 197 ft
Surface Type: concrete
TDZ-Elev: 44 ft
Lighting: Edge, ALS, Centerline

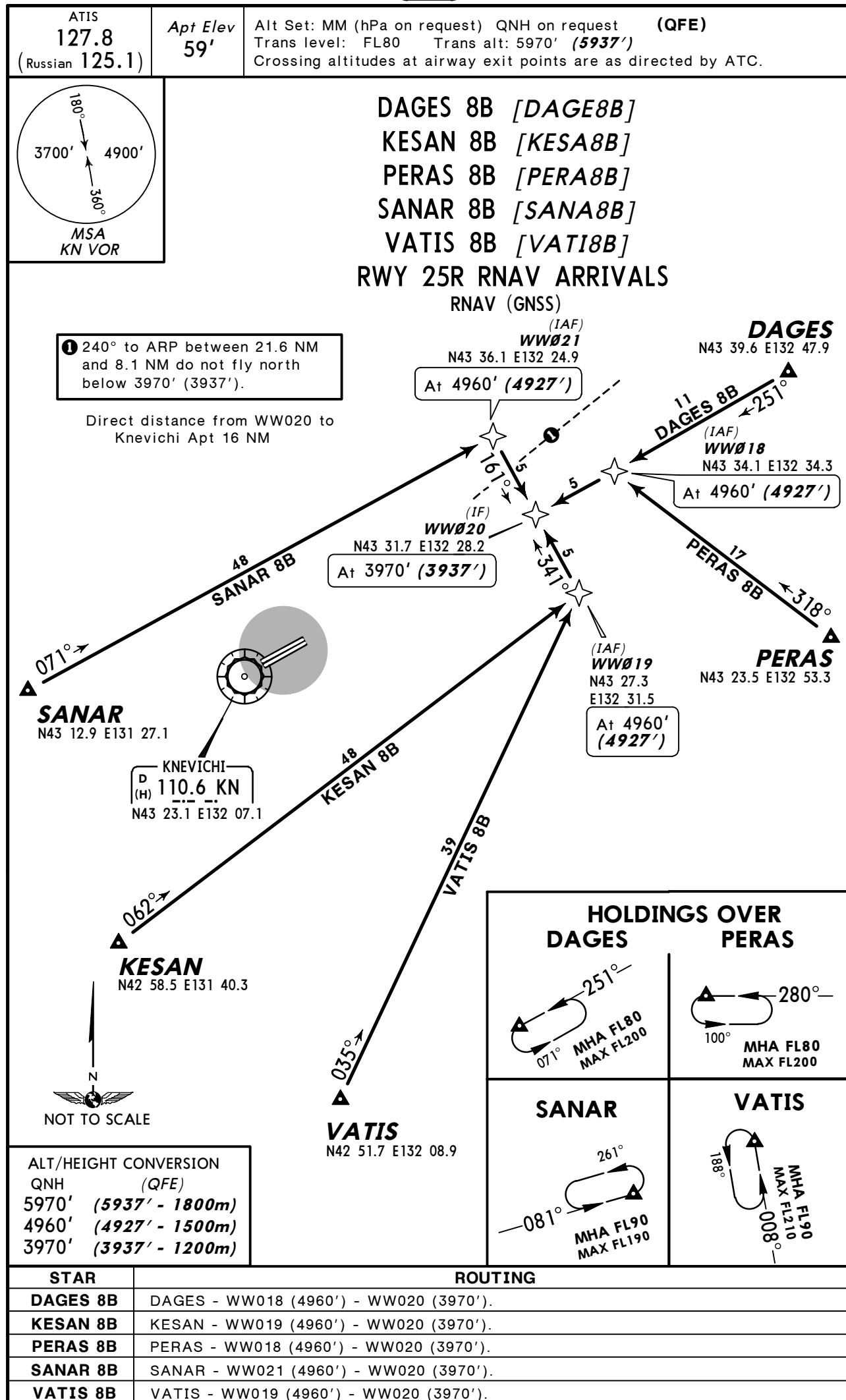
Runway: 25R
Length x Width: 11483 ft x 197 ft
Surface Type: concrete
TDZ-Elev: 32 ft
Lighting: Edge

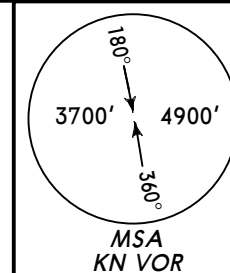
Communication Information

- ATIS 127.8
- ATIS 125.1 Non-English
- Vladivostok Tower 126.0
- Vladivostok Tower 124.0 Secondary
- Vladivostok Ground Control 124.0 Secondary
- Vladivostok Ground Control 121.7
- Vladivostok Service Ramp/Taxi Control 118.3
- Vladivostok Approach Control 124.7
- Vladivostok Approach Control 124.0 Secondary
- Vladivostok Radar 124.0 Secondary
- Vladivostok Radar 119.5
- Vladivostok-Transit Operations 131.8 Non-English



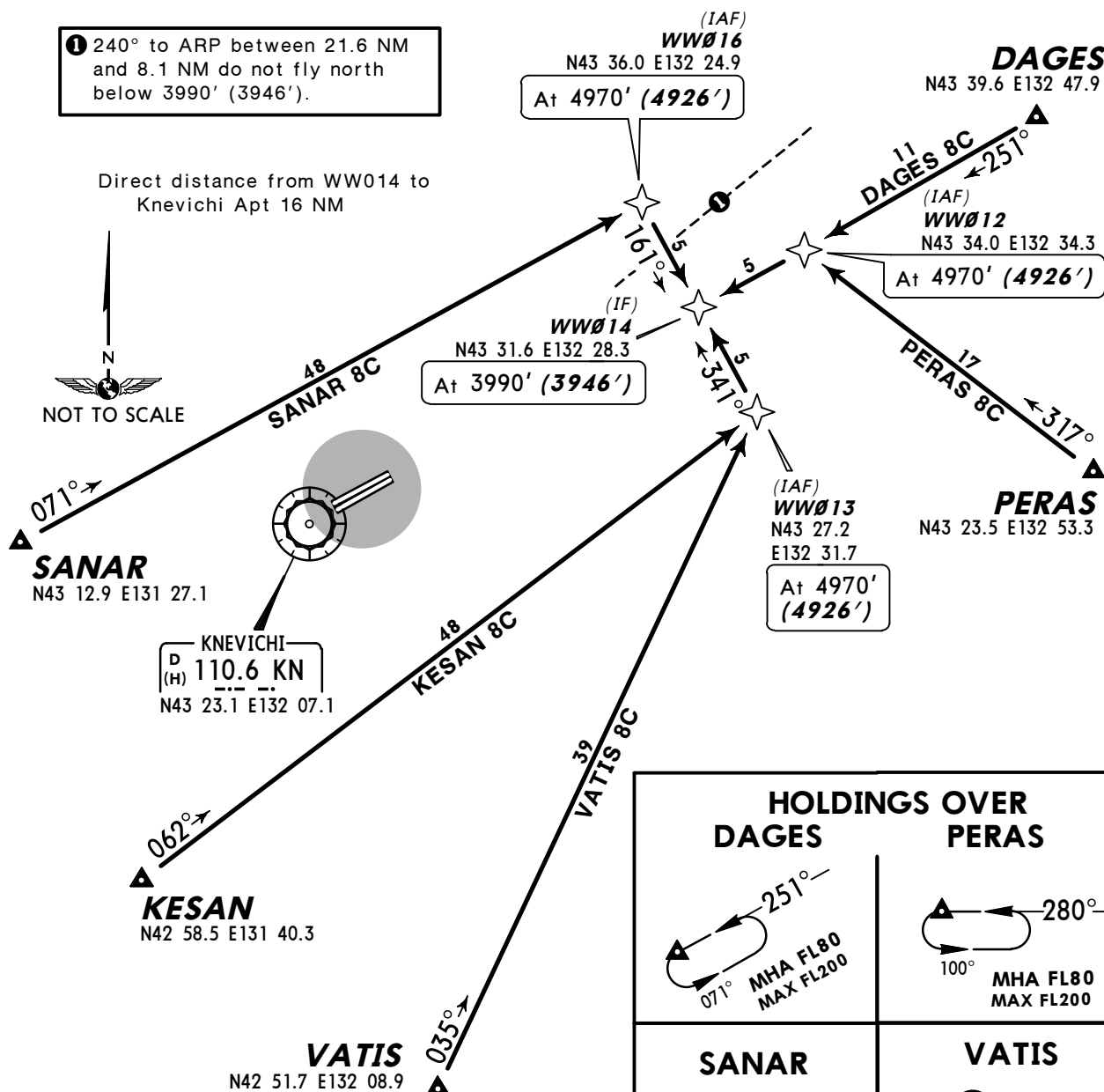
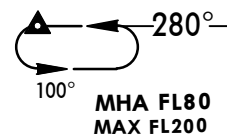
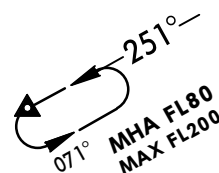




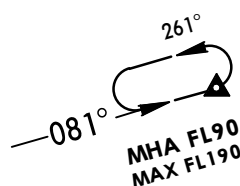
ATIS
127.8
(Russian 125.1)Apt Elev
59'Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL80 Trans alt: 5970' (5926')
Crossing altitudes at airway exit points are as directed by ATC.DAGES 8C [DAGE8C]
KESAN 8C [KESA8C]
PERAS 8C [PERA8C]
SANAR 8C [SANA8C]
VATIS 8C [VATI8C]
RWY 25L RNAV ARRIVALS
RNAV (GNSS)

① 240° to ARP between 21.6 NM and 8.1 NM do not fly north below 3990' (3946').

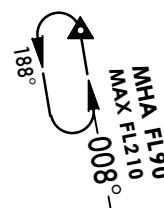
Direct distance from WW014 to Knevichi Apt 16 NM

ALT/HEIGHT CONVERSION
QNH (QFE)
5970' (5926' - 1800m)
4970' (4926' - 1500m)
3990' (3946' - 1200m)HOLDINGS OVER
DAGES PERAS

SANAR



VATIS



STAR

ROUTING

DAGES 8C	DAGES - WW012 (4970') - WW014 (3990').
KESAN 8C	KESAN - WW013 (4970') - WW014 (3990').
PERAS 8C	PERAS - WW012 (4970') - WW014 (3990').
SANAR 8C	SANAR - WW016 (4970') - WW014 (3990').
VATIS 8C	VATIS - WW013 (4970') - WW014 (3990').

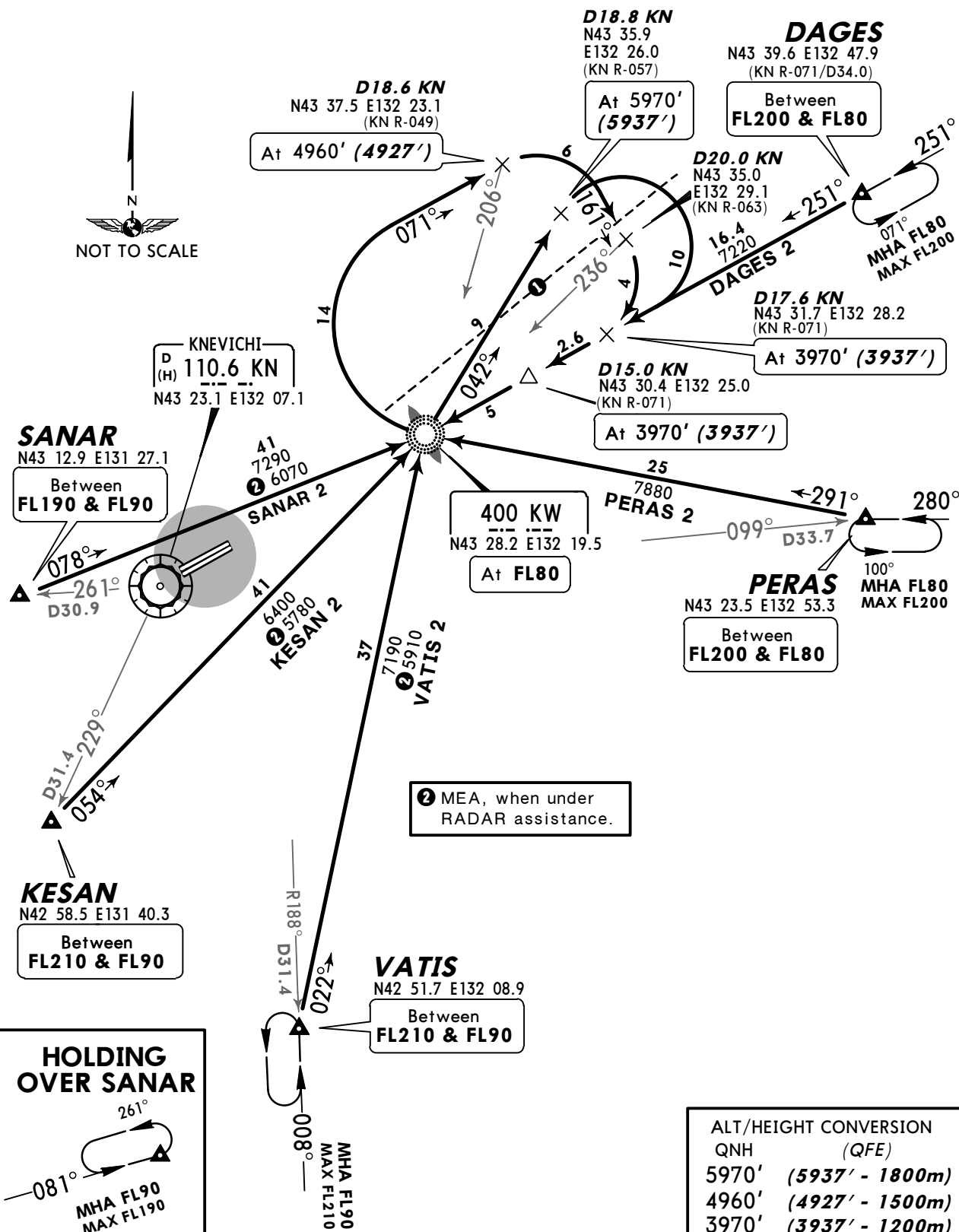
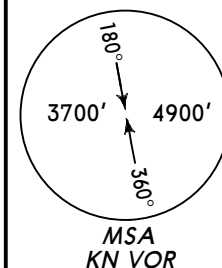
ATIS
127.8
(Russian 125.1)

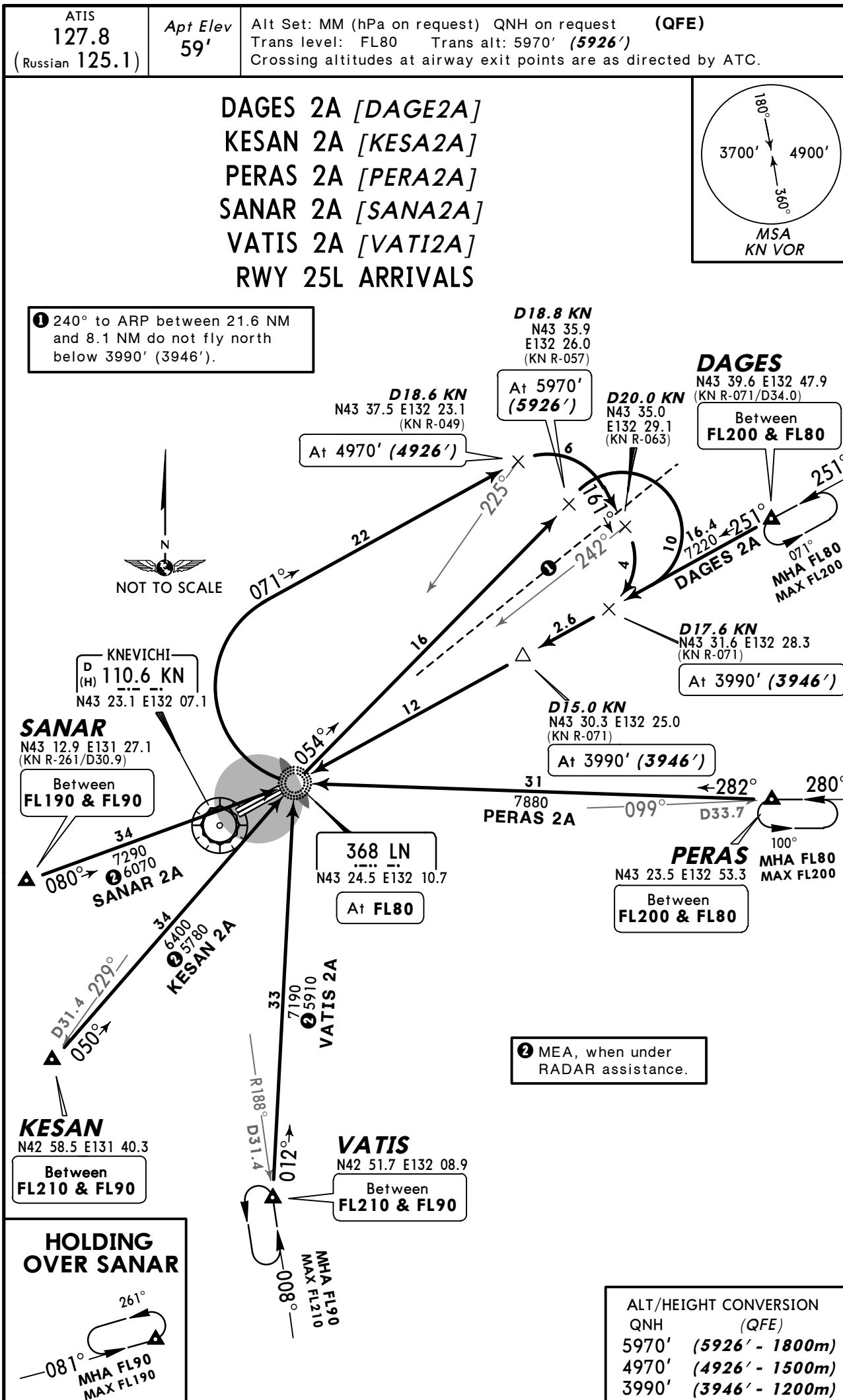
Apt Elev
59'

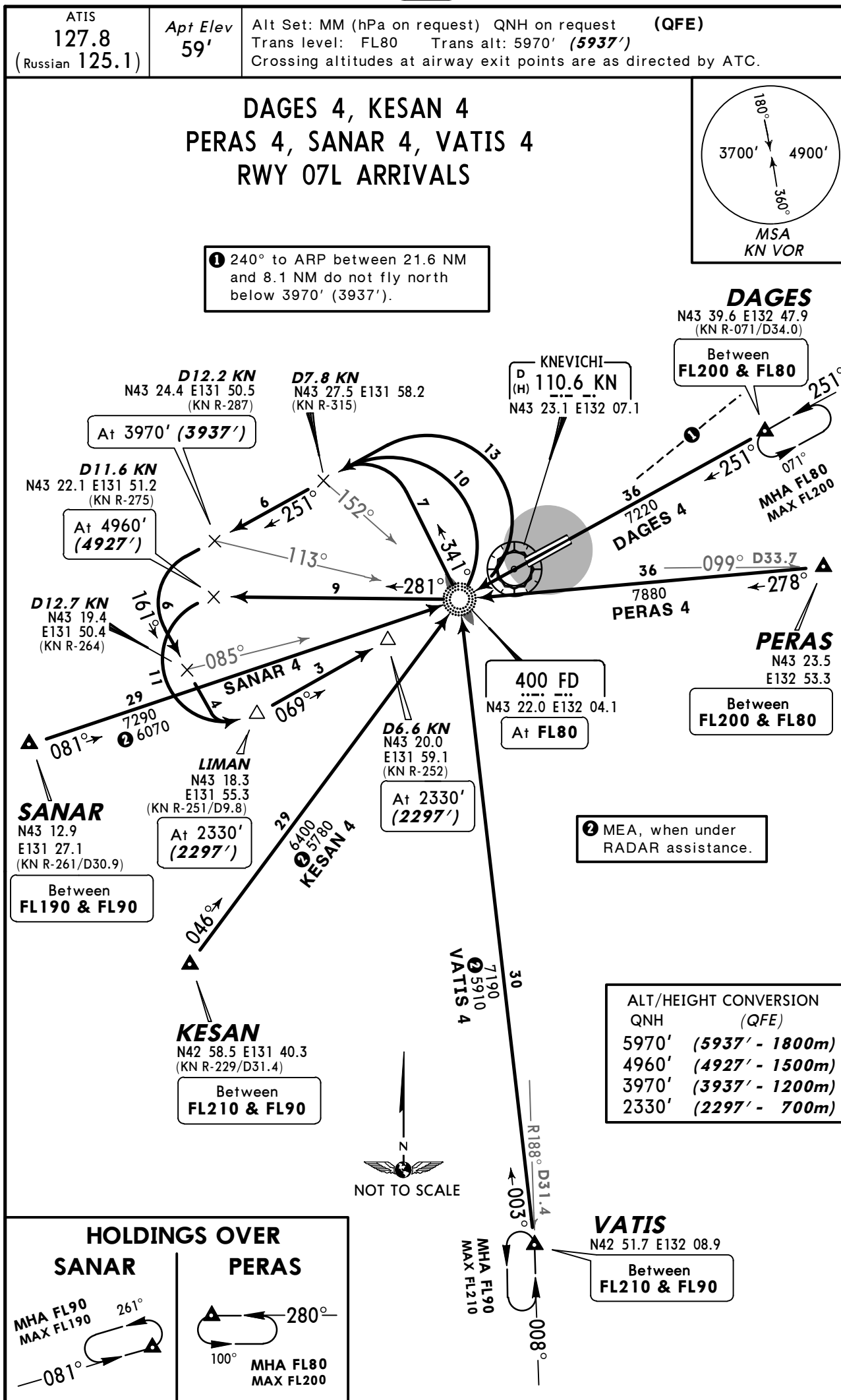
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL80 Trans alt: 5970' (5937')
Crossing altitudes at airway exit points are as directed by ATC.

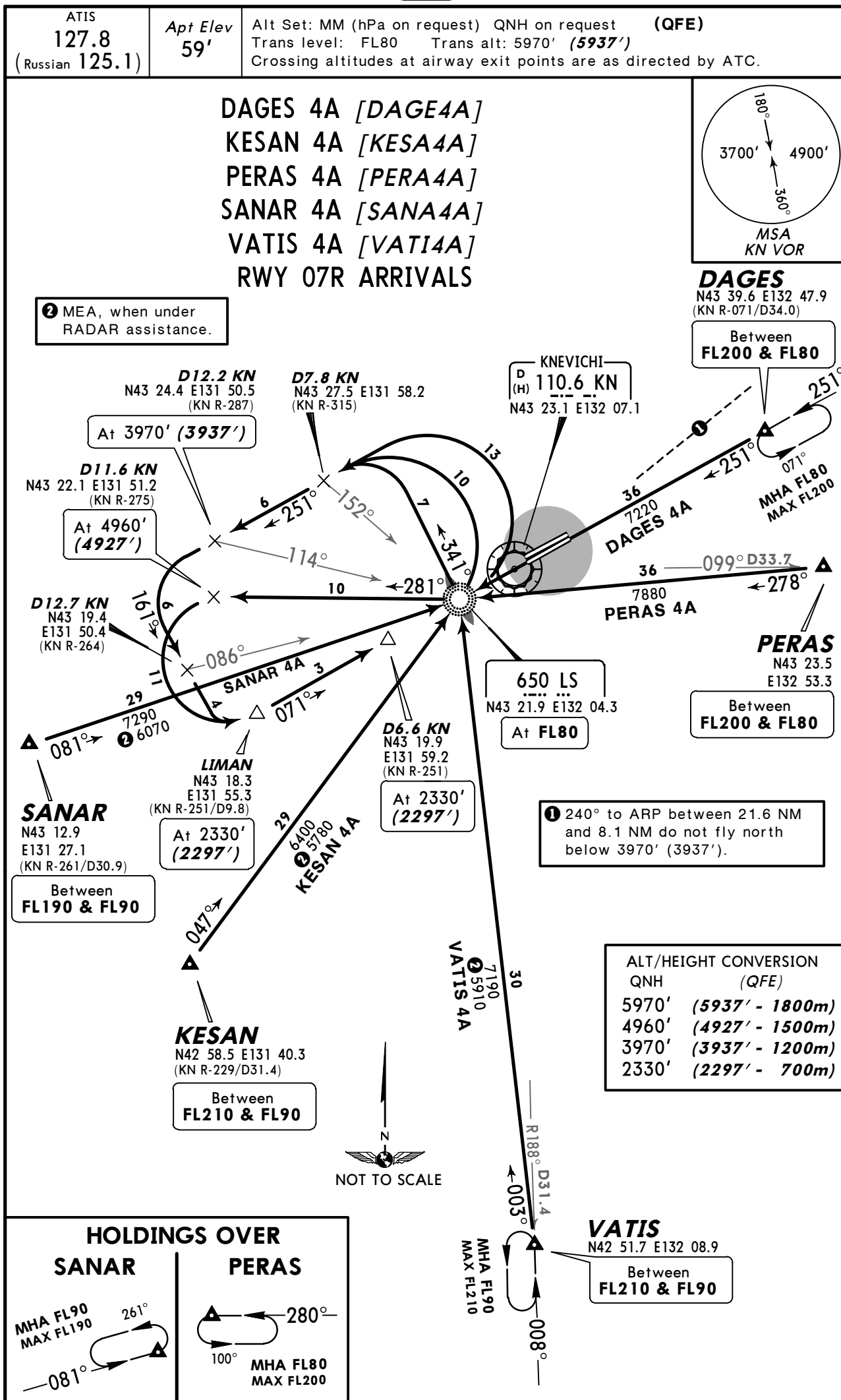
DAGES 2, KESAN 2
PERAS 2, SANAR 2, VATIS 2
RWY 25R ARRIVALS

① 240° to ARP between 21.6 NM
and 8.1 NM do not fly north
below 3970' (3937').







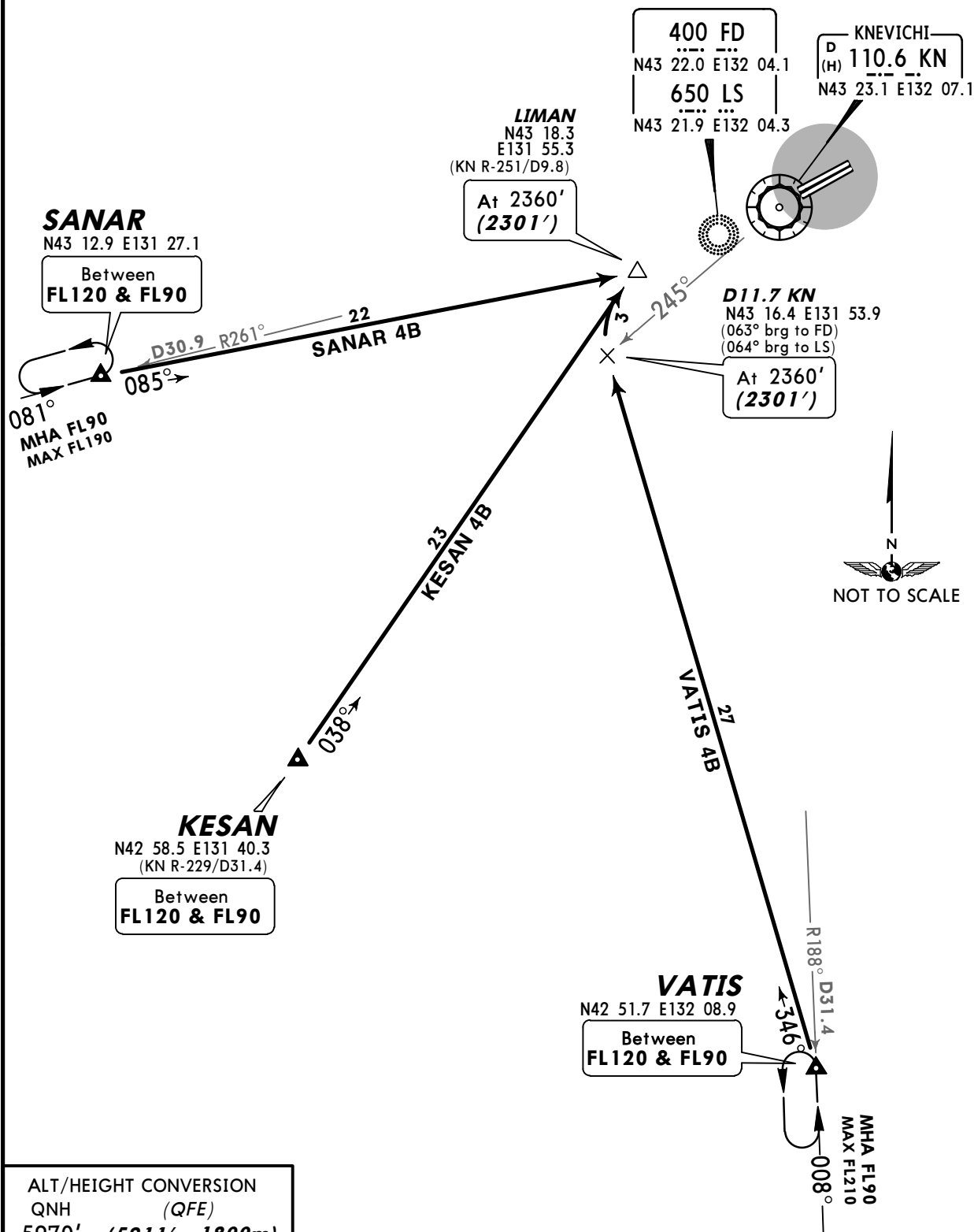
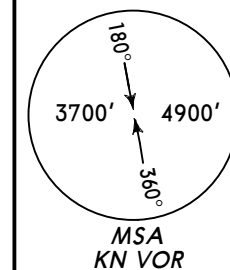


ATIS
127.8
(Russian 125.1)

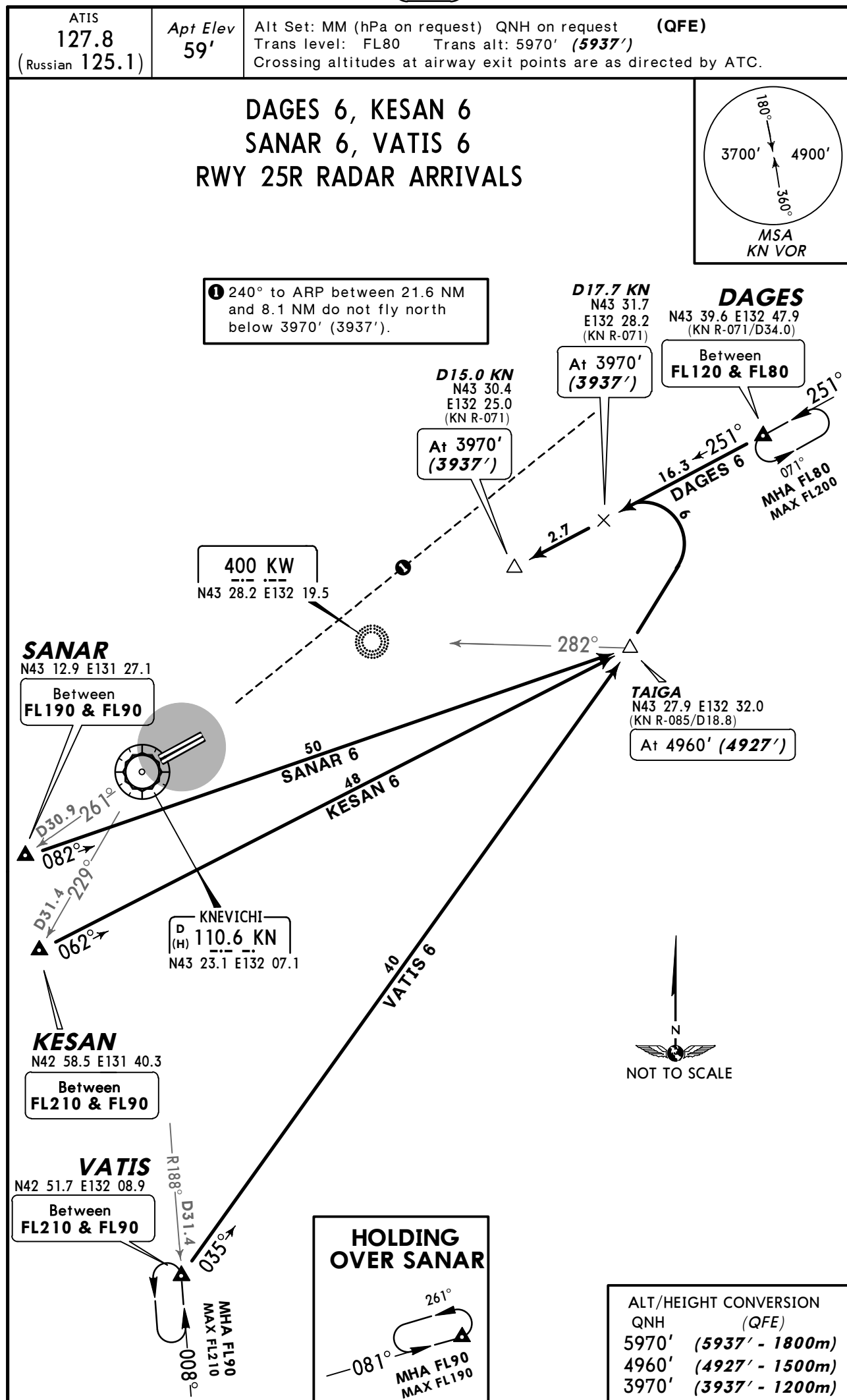
Apt Elev
59'

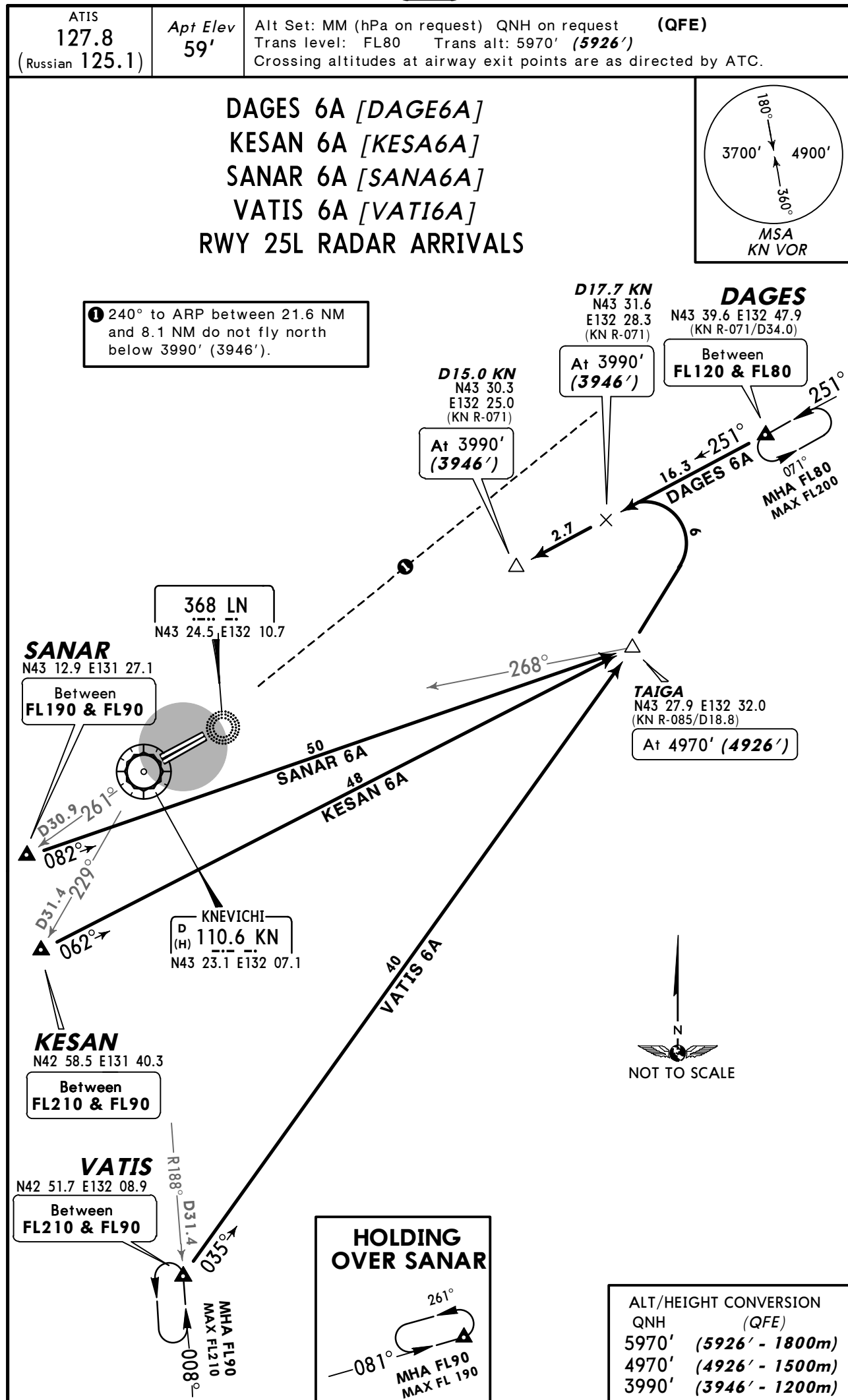
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL80 Trans alt: 5970' (5911')
Crossing altitudes at airway exit points are as directed by ATC.

KESAN 4B [KESA4B]
SANAR 4B [SANA4B]
VATIS 4B [VATI4B]
RWYS 07L/R RADAR ARRIVALS



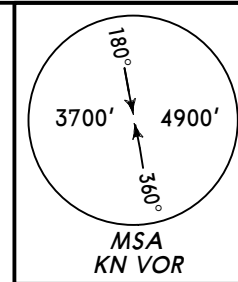
ALT/HEIGHT CONVERSION
QNH (QFE)
5970' (5911' - 1800m)
2360' (2301' - 700m)



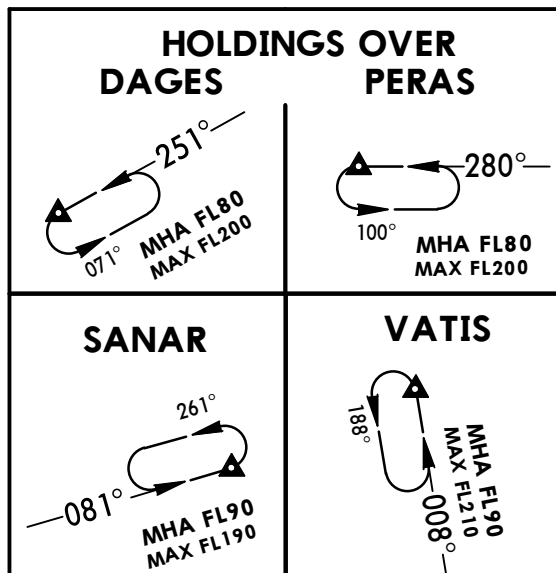
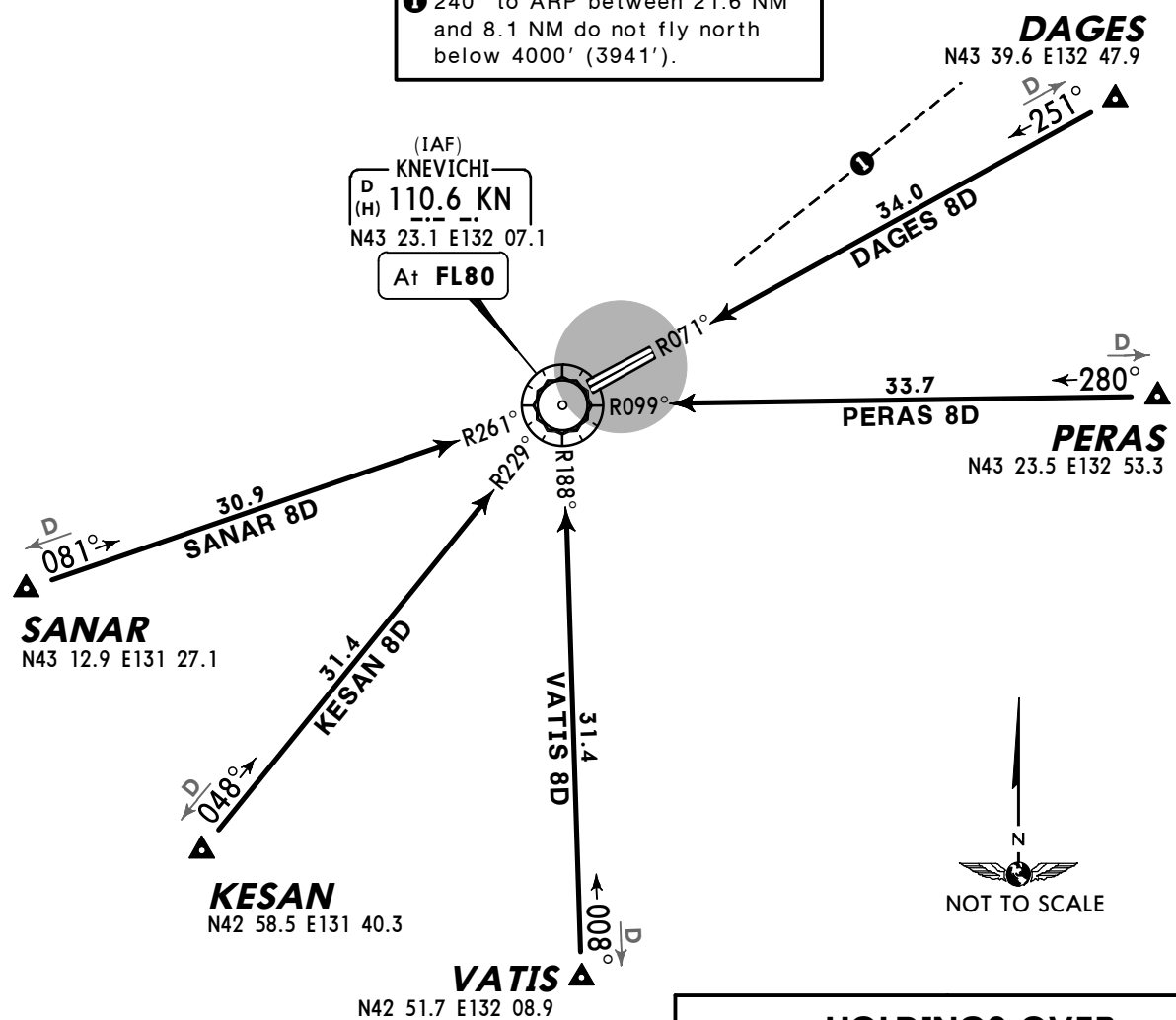


ATIS 127.8 (Russian 125.1)	Apt Elev 59'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL80 Trans alt: 5970' (5911') Crossing altitudes at airway exit points are as directed by ATC.
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DAGES 8D [DAGE8D]
KESAN 8D [KESA8D]
PERAS 8D [PERA8D]
SANAR 8D [SANA8D]
VATIS 8D [VATI8D]
RWYS 07L/R, 25L/R ARRIVALS
(VORDME)



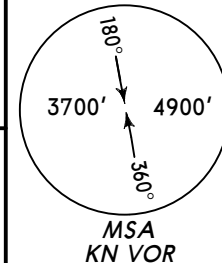
① 240° to ARP between 21.6 NM and 8.1 NM do not fly north below 4000' (3941').



ALT/HEIGHT CONVERSION
QNH (QFE)
5970' (5911' - 1800m)
4000' (3941' - 1200m)

Apt Elev
59'

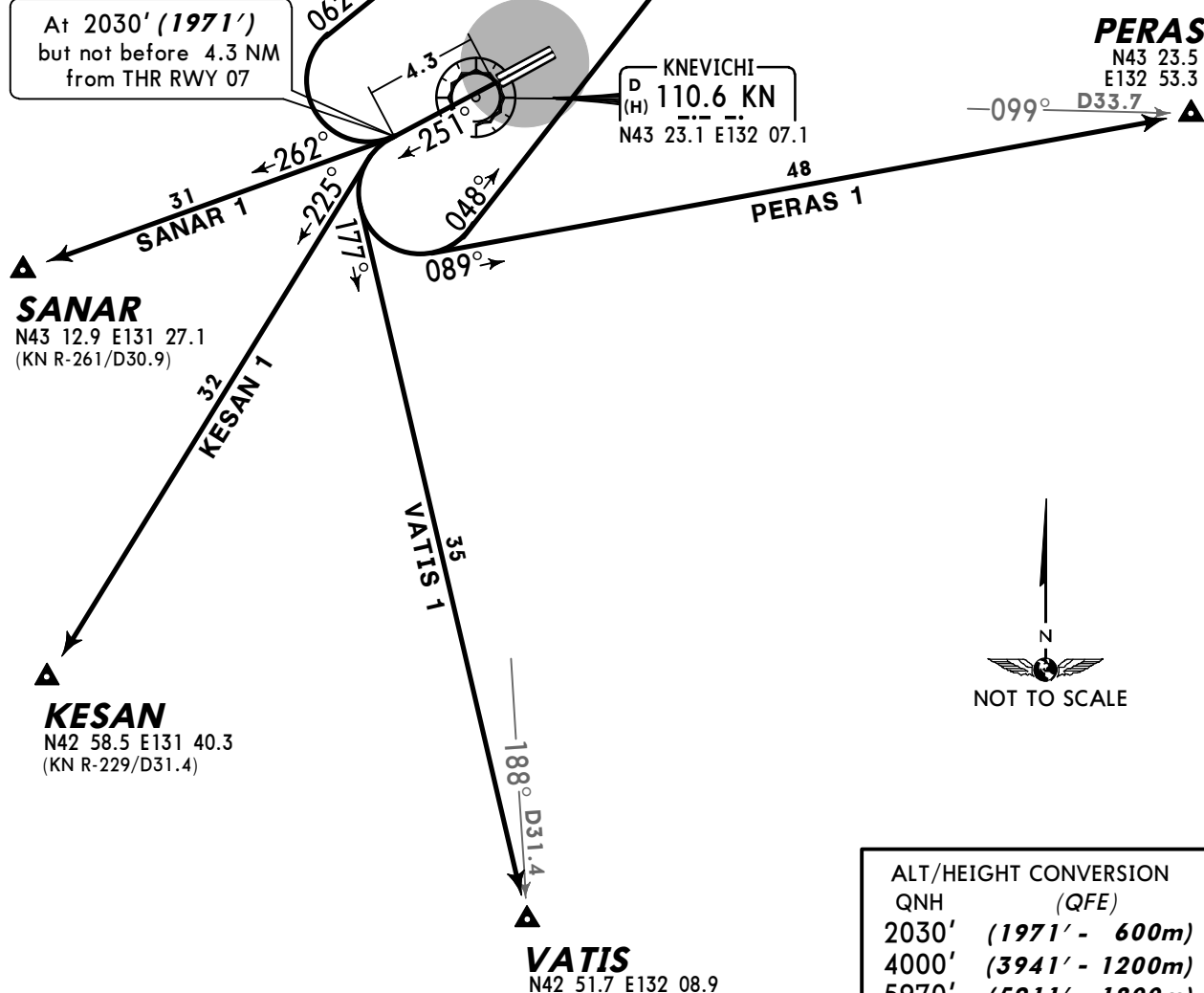
QNH on request (QFE)
Trans level: FL80 Trans alt: 5970' (5911')
Crossing altitudes at airway entry points are as directed by ATC.



DOLMA 1
DOLMA 1A [DOLM1A]
KESAN 1, PERAS 1
SANAR 1, VATIS 1
RWYS 25R/L DEPARTURES

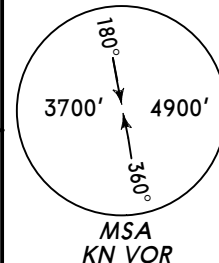
① 060° from ARP between 8.1 NM and 21.6 NM do not fly north below 4000' (3941').

At 2030' (1971')
but not before 4.3 NM
from THR RWY 07



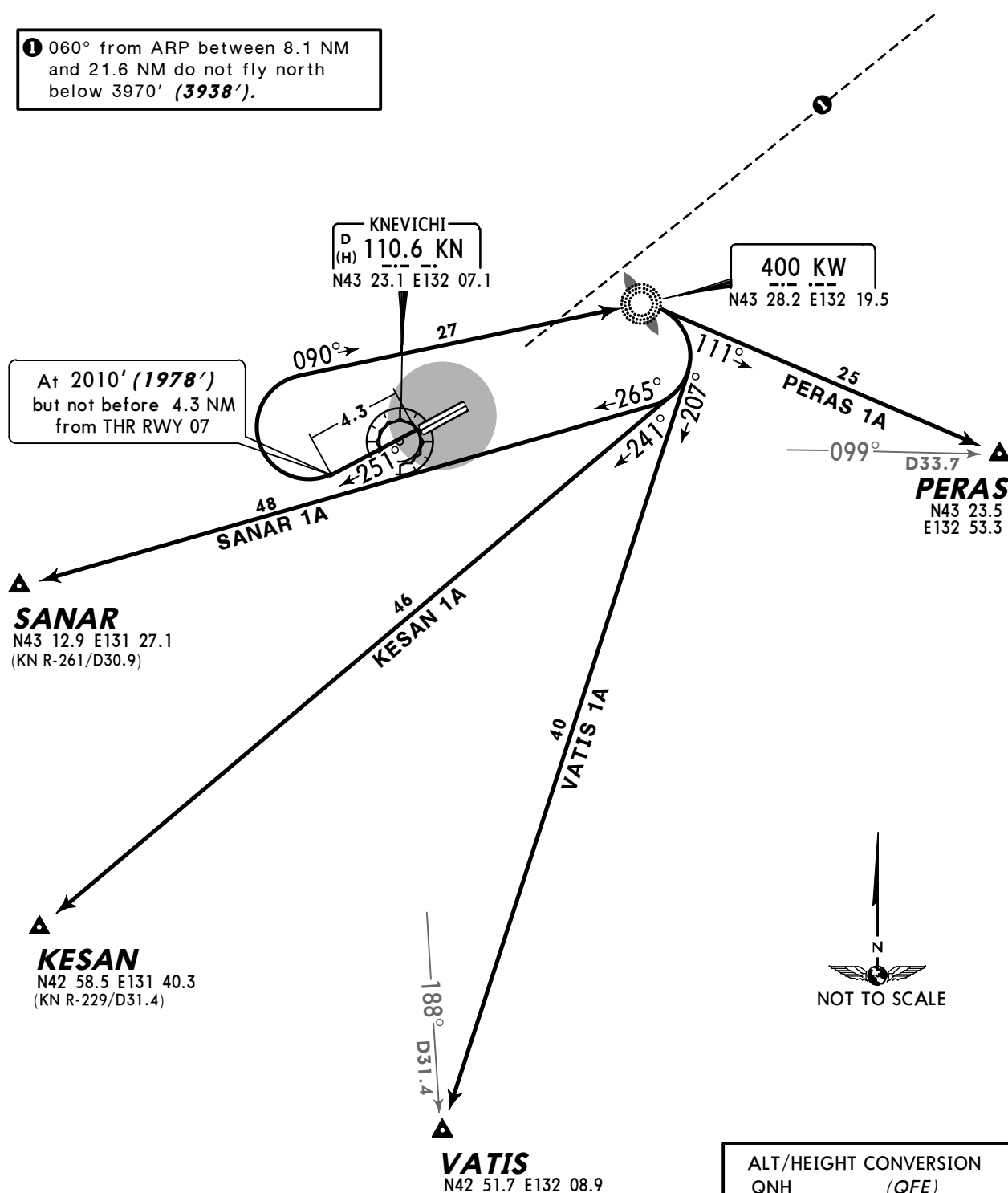
Apt Elev
59'

QNH on request (QFE)
Trans level: FL80 Trans alt: 5970' (5938')
Crossing altitudes at airway entry points are as directed by ATC.



KESAN 1A [KESA1A]
PERAS 1A [PERA1A]
SANAR 1A [SANA1A]
VATIS 1A [VATI1A]
RWY 25R DEPARTURES

① 060° from ARP between 8.1 NM and 21.6 NM do not fly north below 3970' (3938').



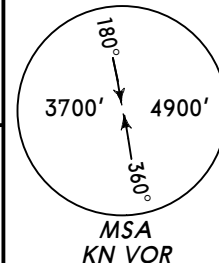
ALT/HEIGHT CONVERSION	
QNH	(QFE)
2010'	(1978' - 600m)
3970'	(3938' - 1200m)
5970'	(5938' - 1800m)

Apt Elev
59'

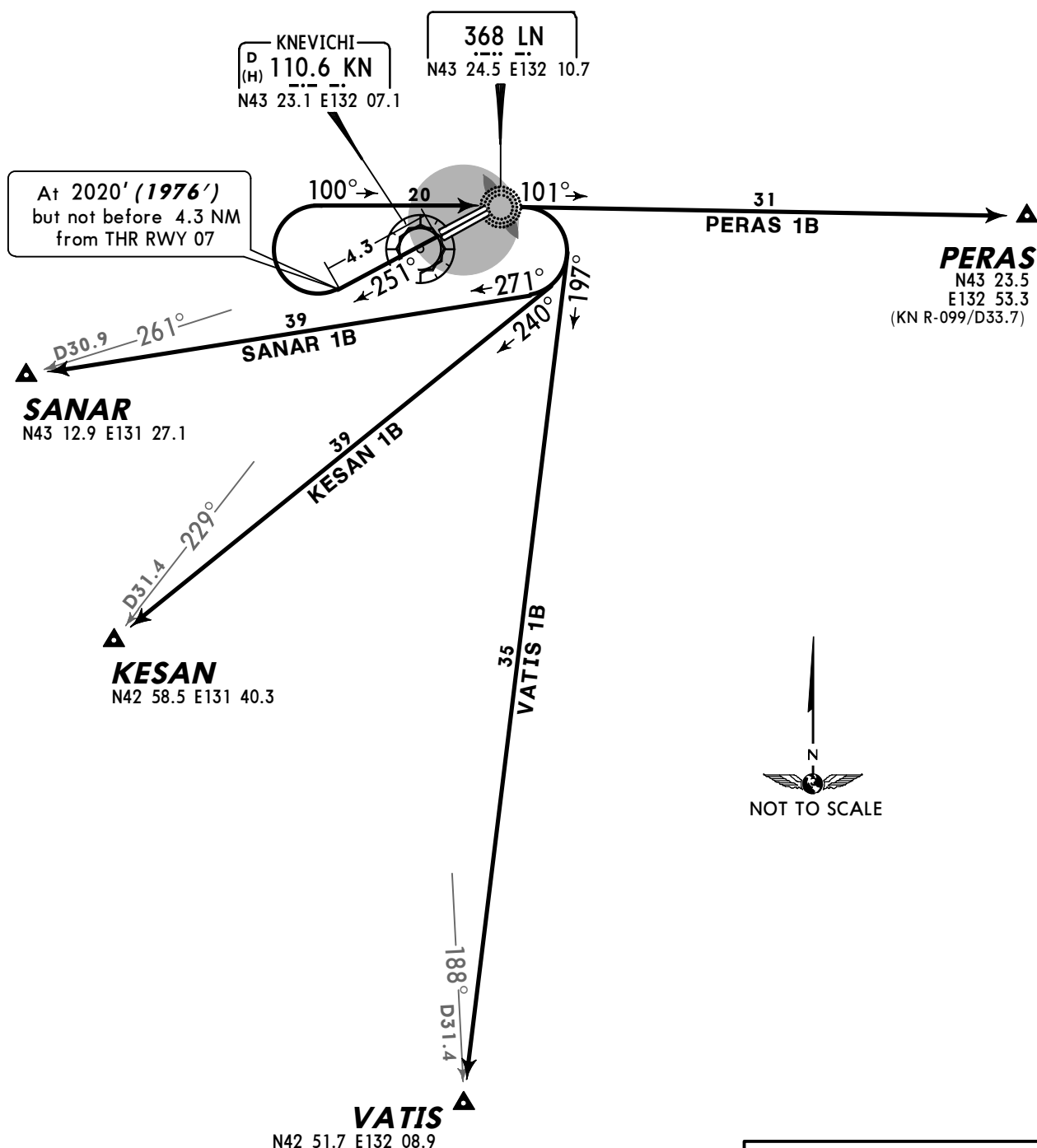
QNH on request (QFE)

Trans level: FL80 Trans alt: 5970' (5926')

Crossing altitudes at airway entry points are as directed by ATC.



KESAN 1B [KESA1B]
PERAS 1B [PERA1B]
SANAR 1B [SANA1B]
VATIS 1B [VATI1B]
RWY 25L DEPARTURES



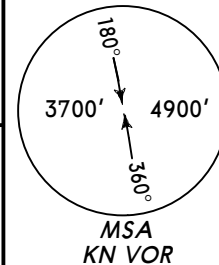
ALT/HEIGHT CONVERSION	
QNH	(QFE)
2020'	(1976' - 600m)
5970'	(5926' - 1800m)

Apt Elev
59'

QNH on request (QFE)

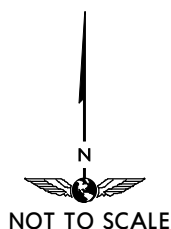
Trans level: FL80 Trans alt: 5970' (5911')

Crossing altitudes at airway entry points are as directed by ATC.



DOLMA 3
KESAN 3, KESAN 3A [KESA3A]
PERAS 3, PERAS 3A [PERA3A]
SANAR 3, SANAR 3A [SANA3A]
VATIS 3, VATIS 3A [VATI3A]
RWYS 07L/R DEPARTURES

DOLMA
N43 48.0 E132 39.1
(KN R-053/D34.1)



KESAN 3, PERAS 3,
SANAR 3, VATIS 3
Turn at 2030' (1971')
but not before 4.3 NM
from THR RWY 25

At 3340' (3281')
but not before 8.6 NM
from THR RWY 25

KNEVICH
D (H) 110.6 KN
N43 23.1 E132 07.1

400 FD
N43 22.0 E132 04.1
650 LS
N43 21.9 E132 04.3

SANAR
N43 12.9 E131 27.1
(KN R-261/D30.9)

KESAN
N42 58.5 E131 40.3
(KN R-229/D31.4)

VATIS
N42 51.7 E132 08.9
(KN R-188/D31.4)

PERAS
N43 23.5
E132 53.3
(KN R-099/D33.7)

① 060° from ARP between 8.1 NM
and 21.6 NM do not fly north
below 4000' (3941').

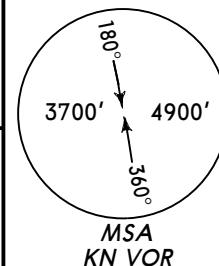
ALT/HEIGHT	CONVERSION
QNH	(QFE)
2030'	(1971' - 600m)
3340'	(3281' - 1000m)
4000'	(3941' - 1200m)
5970'	(5911' - 1800m)

Apt Elev
59'

QNH on request (QFE)

Trans level: FL80 Trans alt: 5970' (5911')

Crossing altitudes at airway entry points are as directed by ATC.



DOLMA 5

KESAN 5

PERAS 5

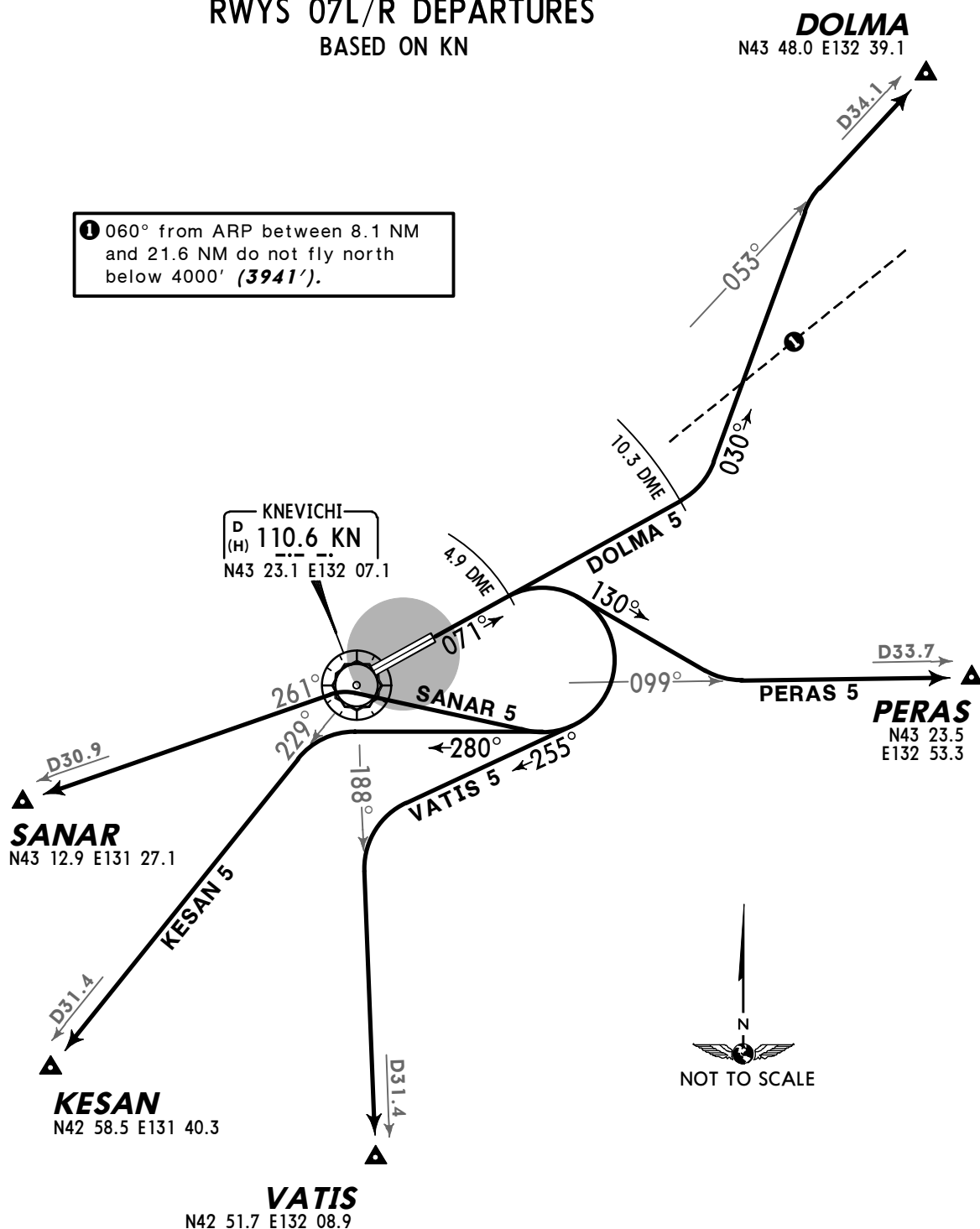
SANAR 5

VATIS 5

RWYS 07L/R DEPARTURES

BASED ON KN

① 060° from ARP between 8.1 NM and 21.6 NM do not fly north below 4000' (3941').



ALT/HEIGHT CONVERSION

QNH (QFE)

4000' (3941' - 1200m)

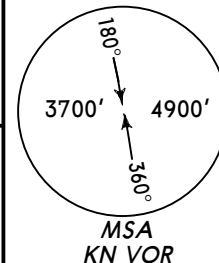
5970' (5911' - 1800m)

Apt Elev
59'

QNH on request (QFE)

Trans level: FL80 Trans alt: 5970' (5911')

Crossing altitudes at airway entry points are as directed by ATC.



DOLMA 7

KESAN 7

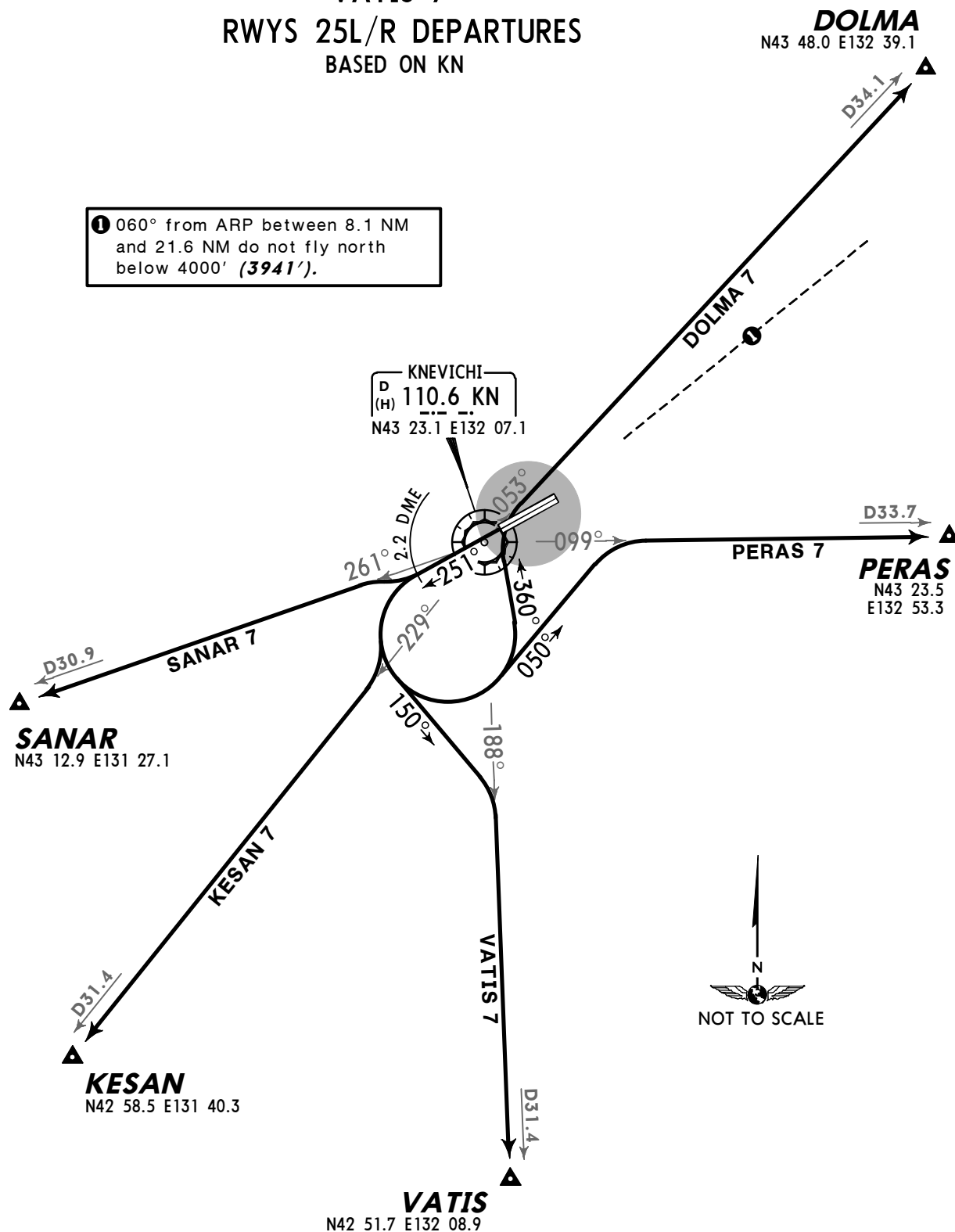
PERAS 7

SANAR 7

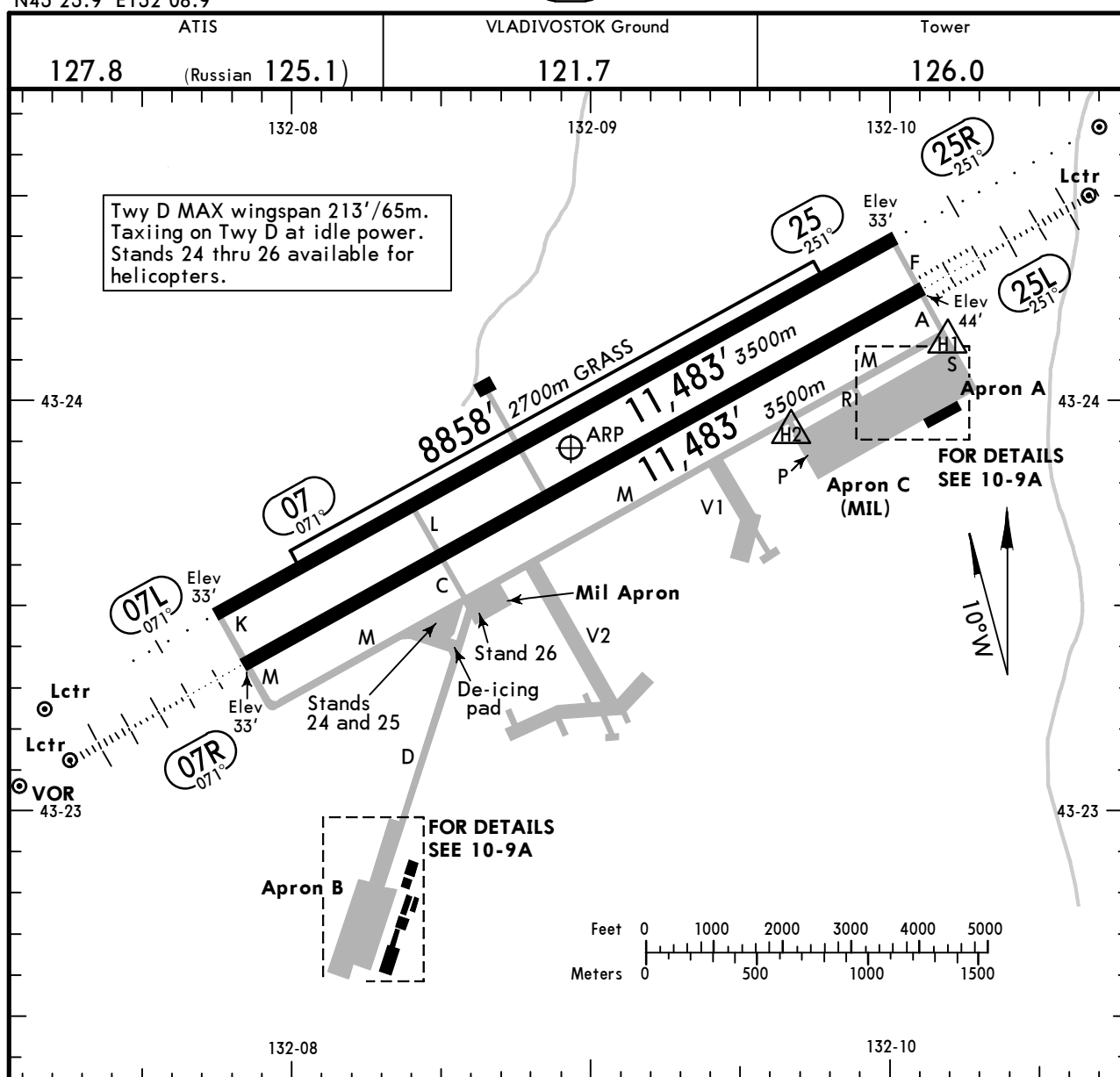
VATIS 7

RWYS 25L/R DEPARTURES
BASED ON KN

① 060° from ARP between 8.1 NM
and 21.6 NM do not fly north
below 4000' (3941').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4000'	(3941' - 1200m)
5970'	(5911' - 1800m)



ADDITIONAL RUNWAY INFORMATION					
RWY		USABLE LENGTHS		TAKE-OFF	WIDTH
		Threshold	Glide Slope		
07					197'
25					60m
07L	RL (60m) ALS			①	197'
25R	RL (60m) ALS PAPI-L (3.0°)		10,572' 3222m		60m

1 TAKE-OFF RUN AVAILABLE

RWY 07L:

From rwy head 11,483' (3500m)
twy L int 7874' (2400m)

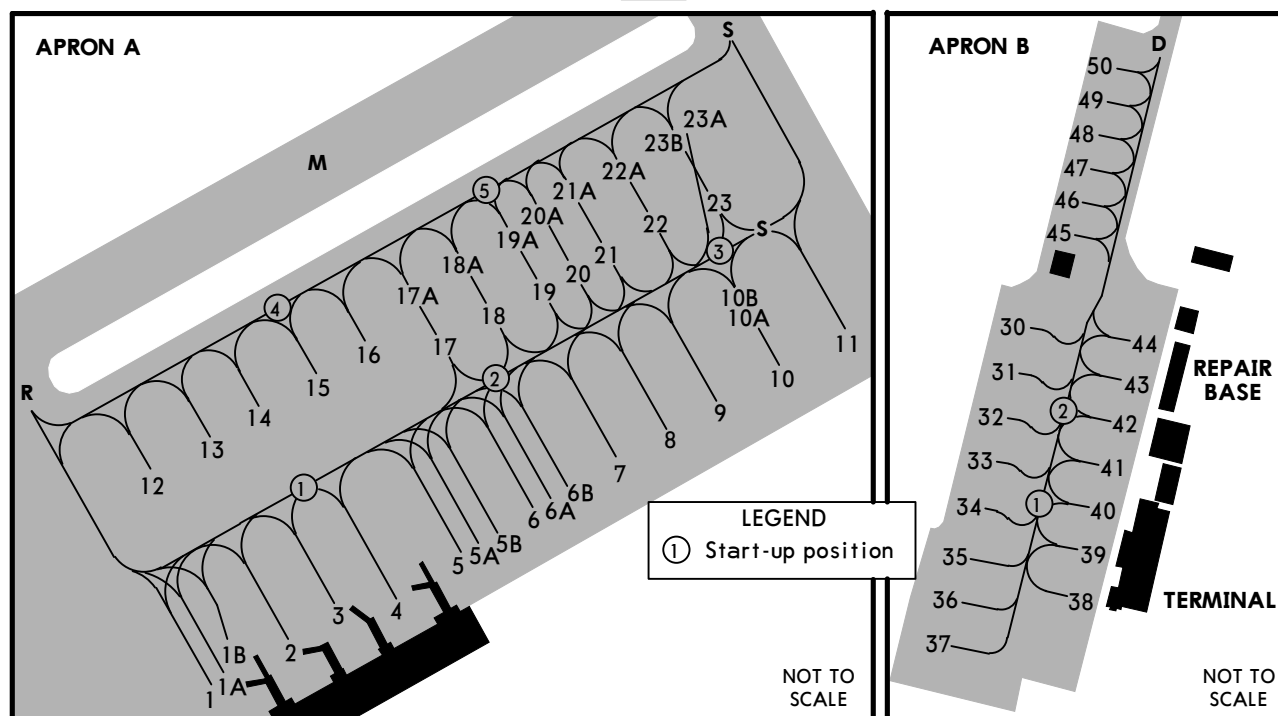
07R	HIRL (60m) CL (15m) HIALS PAPI-L (3.0°)	10,450' 3185m	②	197'
25L	HIRL (60m) CL (15m) HIALS-II TDZ PAPI-L (3.0°)	10,511' 3204m		60m

2 TAKE-OFF RUN AVAILABLE

RWY 07R:

From rwy head 11,483' (3500m)
twy C int 7874' (2400m)

	TAKE-OFF		
	Rwy 07R/25L	AIR CARRIER (JAA)	Rwys 07L/R, 25L/R
	LVP must be in force	LVP must be in force	
	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A			
B	200m	250m	400m
C			
D	250m	300m	



Exit stands 1 thru 11, 26 and 30 thru 44 by towing.

Enter stands 24 thru 26 by towing.

Stands 22 thru 26, 45 thru 50 and start-up position 1 on Apron B are available for de-icing.

LOW VISIBILITY PROCEDURE

Escorting by Follow-me car shall be carried out compulsory:

- when TDZ RVR is less than 550m and/or cloud base is below 197'/60m.
- when there are difficulties in determination of centerline on the Twy or on the apron due to presence of precipitation.
- in any case by a flight crew's requirement.

Escorting by Follow-me car shall be carried out as follows:

- DEPARTURE: from the moment of taxiing out of stand (start-up position) to rwy holding position.
- ARRIVAL: from the moment of vacating ILS critical area on Twy to stand on the apron.

INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
1 thru 1B	N43 23.8 E132 09.8	23 thru 23B	N43 24.1 E132 10.2
2 thru 4	N43 23.8 E132 09.9	24	N43 23.4 E132 08.5
5 thru 6	N43 23.9 E132 10.0	25	N43 23.4 E132 08.4
6A thru 8	N43 23.9 E132 10.1	26	N43 23.5 E132 08.7
9	N43 23.9 E132 10.2	30, 31	N43 22.8 E132 08.3
10 thru 10B	N43 24.0 E132 10.2	32, 33	N43 22.7 E132 08.3
11	N43 24.0 E132 10.3	34, 35	N43 22.7 E132 08.2
12, 13	N43 23.9 E132 09.8	36, 37	N43 22.6 E132 08.2
14, 15	N43 23.9 E132 09.9	38	N43 22.6 E132 08.4
16	N43 24.0 E132 09.9	39 thru 42	N43 22.7 E132 08.4
17 thru 18A	N43 24.0 E132 10.0	43, 44	N43 22.8 E132 08.4
19	N43 24.0 E132 10.1	45	N43 22.9 E132 08.3
19A	N43 24.0 E132 10.0	46 thru 50	N43 22.9 E132 08.4
20 thru 22	N43 24.0 E132 10.1		
22A	N43 24.1 E132 10.1		

STRAIGHT-IN RWY		A	B	C	D
07L	2 NDB ①	400'(368') R1500m	400'(368') R1500m	400'(368') R1500m	400'(368') R1500m
	<i>ALS out</i>	R1500m	R1500m	R1700m	R1700m
	NDB ① with FAF <i>ALS out</i>	500'(468') R1500m R1500m	500'(468') R1500m R1500m	500'(468') R2000m C2200m	500'(468') R2000m C2200m
	NDB ① w/o FAF	1350'(1318') C5000m	1350'(1318') C5000m	1350'(1318') C5000m	1350'(1318') C5000m
07R	ILS <i>FULL</i> <i>Limited</i> <i>ALS out</i>	232'(200') R550m R750m R1200m	232'(200') R550m R750m R1200m	232'(200') R550m R750m R1200m	232'(200') R550m R750m R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ① <i>ALS out</i>	470'(438') R1300m R1500m	470'(438') R1300m R1500m	470'(438') R1300m R2000m	470'(438') R1300m R2000m
	2 NDB ① <i>ALS out</i>	420'(388') R1100m R1500m	420'(388') R1100m R1500m	420'(388') R1100m R1800m	420'(388') R1100m R1800m
	LS NDB ① with FAF <i>ALS out</i>	460'(428') R1300m R1500m	460'(428') R1300m R1500m	460'(428') R1300m R2000m	460'(428') R1300m R2000m
	L NDB ① with FAF <i>ALS out</i>	530'(498') R1500m R1500m	530'(498') R1500m R1500m	530'(498') R1500m C2300m	530'(498') R1500m C2300m
	LS or L NDB w/o FAF	1350'(1318') C5000m	1350'(1318') C5000m	1350'(1318') C5000m	1350'(1318') C5000m
25L	CAT 2 ILS	144'(100') RA115'R350m	144'(100') RA115'R350m	144'(100') RA115'R350m	144'(100') RA115'R350m
	ILS <i>FULL</i> <i>Limited</i> <i>ALS out</i>	244'(200') R550m R750m R1200m	244'(200') R550m R750m R1200m	244'(200') R550m R750m R1200m	244'(200') R550m R750m R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ① <i>ALS out</i>	450'(406') R1200m R1500m	450'(406') R1200m R1500m	450'(406') R1200m R1900m	450'(406') R1200m R1900m
	NDB ① with FAF	1810'(1766') C5000m	1810'(1766') C5000m	1810'(1766') C5000m	1810'(1766') C5000m
	NDB w/o FAF	2280'(2236') C5000m	2280'(2236') C5000m	2280'(2236') C5000m	2280'(2236') C5000m

① Continuous Descent Final Approach.

STRAIGHT-IN RWY		A	B	C	D
25R	ILS	232' (200')	232' (200')	232' (200')	232' (200')
		R1000m	R1000m	R1000m	R1000m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	NDB ①	660' (628')	660' (628')	660' (628')	660' (628')
		R1500m	R1500m	C2400m	C2400m

① Continuous Descent Final Approach.

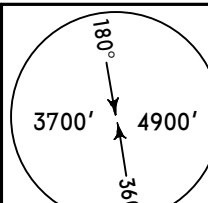
TAKE-OFF RWY 07L/R, 25L/R

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

4 MAY 12

(11-1)

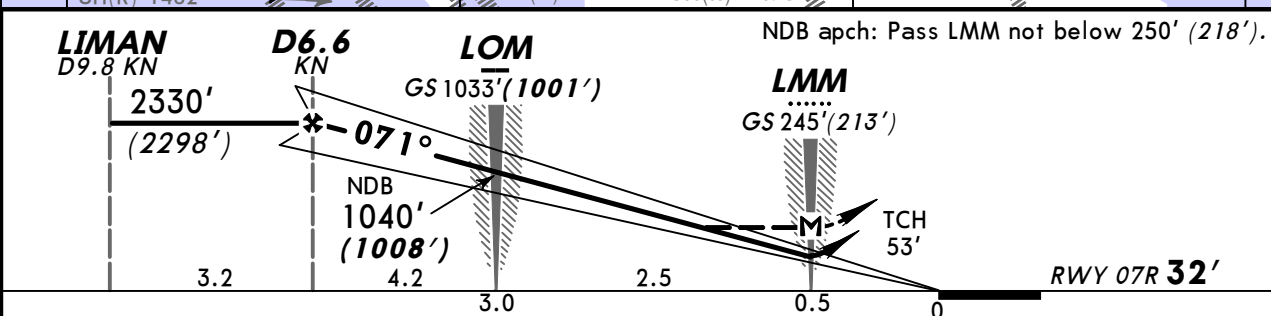
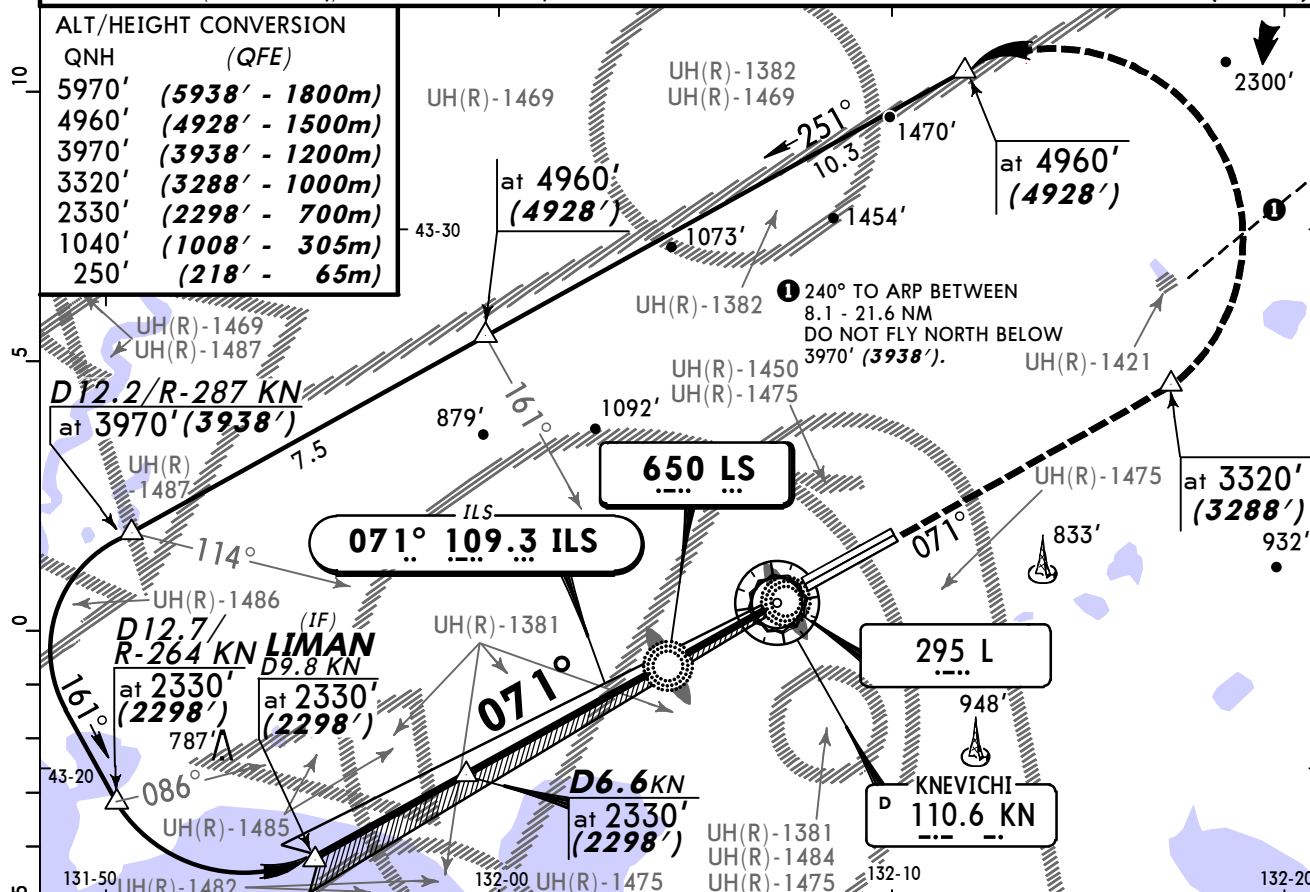
BRIEFING STRIP™

ATIS 127.8 (Russian 125.1)		VLADIVOSTOK Approach 124.7	VLADIVOSTOK Radar 119.5	VLADIVOSTOK Tower 126.0	Ground 121.7
LOC ILS 109.3	Final Apch Crs 071°	GS LOM 1033' (1001')	ILS DA(H) 232' (200')	Apt Elev 59' RWY 32'	
NDB LS 650		Minimum Alt LOM 1040' (1008')	2 NDB MDA(H) 420' (388')		
MISSED APCH: Climb on 071° to 3320' (3288'), then turn LEFT onto 251° climbing to 4960' (4928'), then according to chart.					

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 80 Trans alt: 5970' (5938')

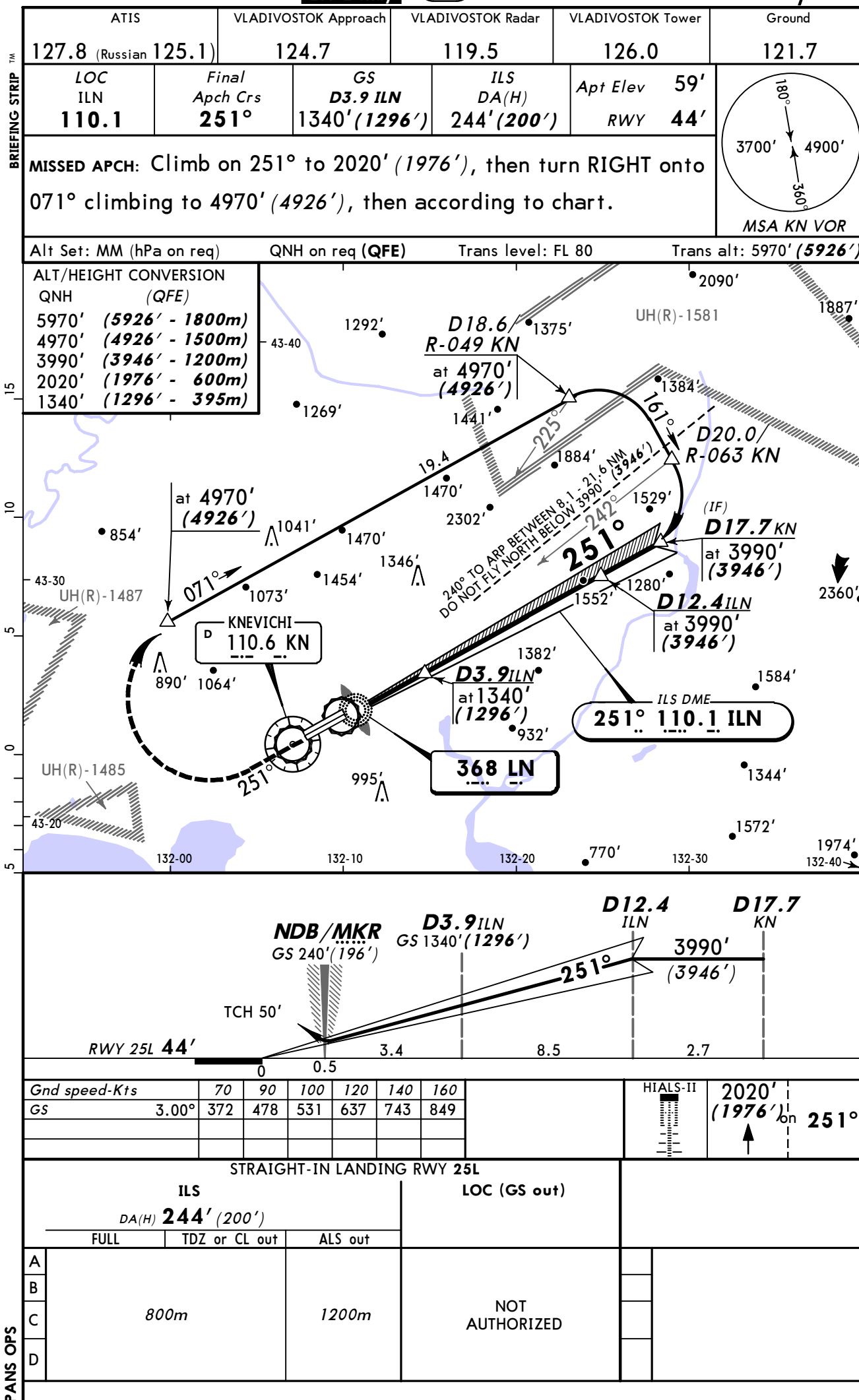
ALT/HEIGHT CONVERSION

QNH	(QFE)
5970'	(5938' - 1800m)
4960'	(4928' - 1500m)
3970'	(3938' - 1200m)
3320'	(3288' - 1000m)
2330'	(2298' - 700m)
1040'	(1008' - 305m)
250'	(218' - 65m)



Gnd speed-Kts	70	90	100	120	140	160
ILS GS or	372	478	531	637	743	849
NDB Desc Angle	3.00°					
MAP at LMM						

ILS		LOC (GS out)		2 NDB		STRAIGHT-IN LANDING RWY 07R		L NDB	
DA(H)		GS out		MDA(H)		LS NDB		MDA(H)	
232' (200')				420' (388')		460' (428')		530' (498')	
FULL		ALS out		ALS out		ALS out		ALS out	
A									
B	800m	1200m	NOT AUTH	1200m	1600m	1200m	1600m	1200m	1600m
C				2000m	2000m	2000m	4000m	2000m	4000m
D				1600m	1600m	2400m	4400m	2400m	4400m

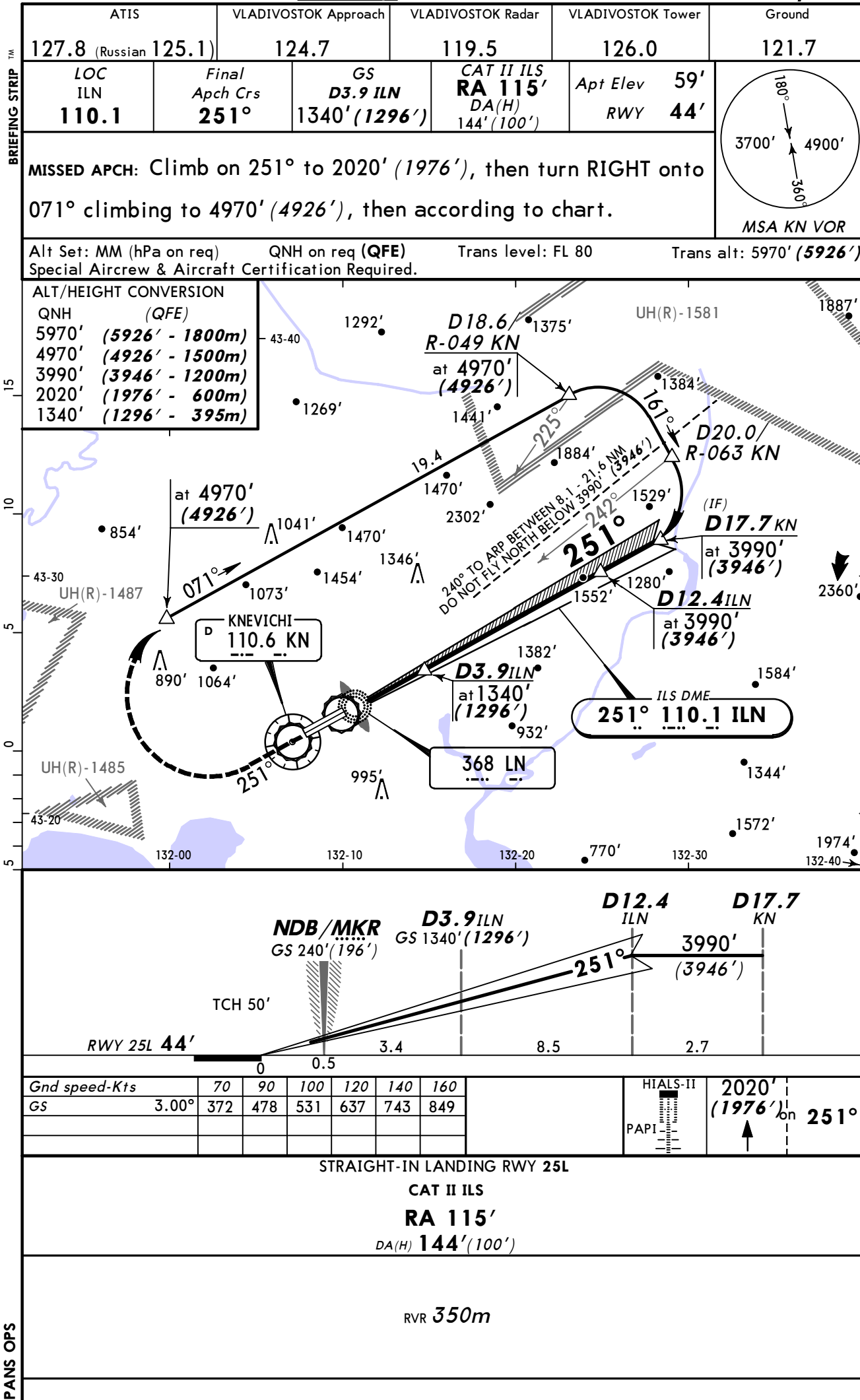


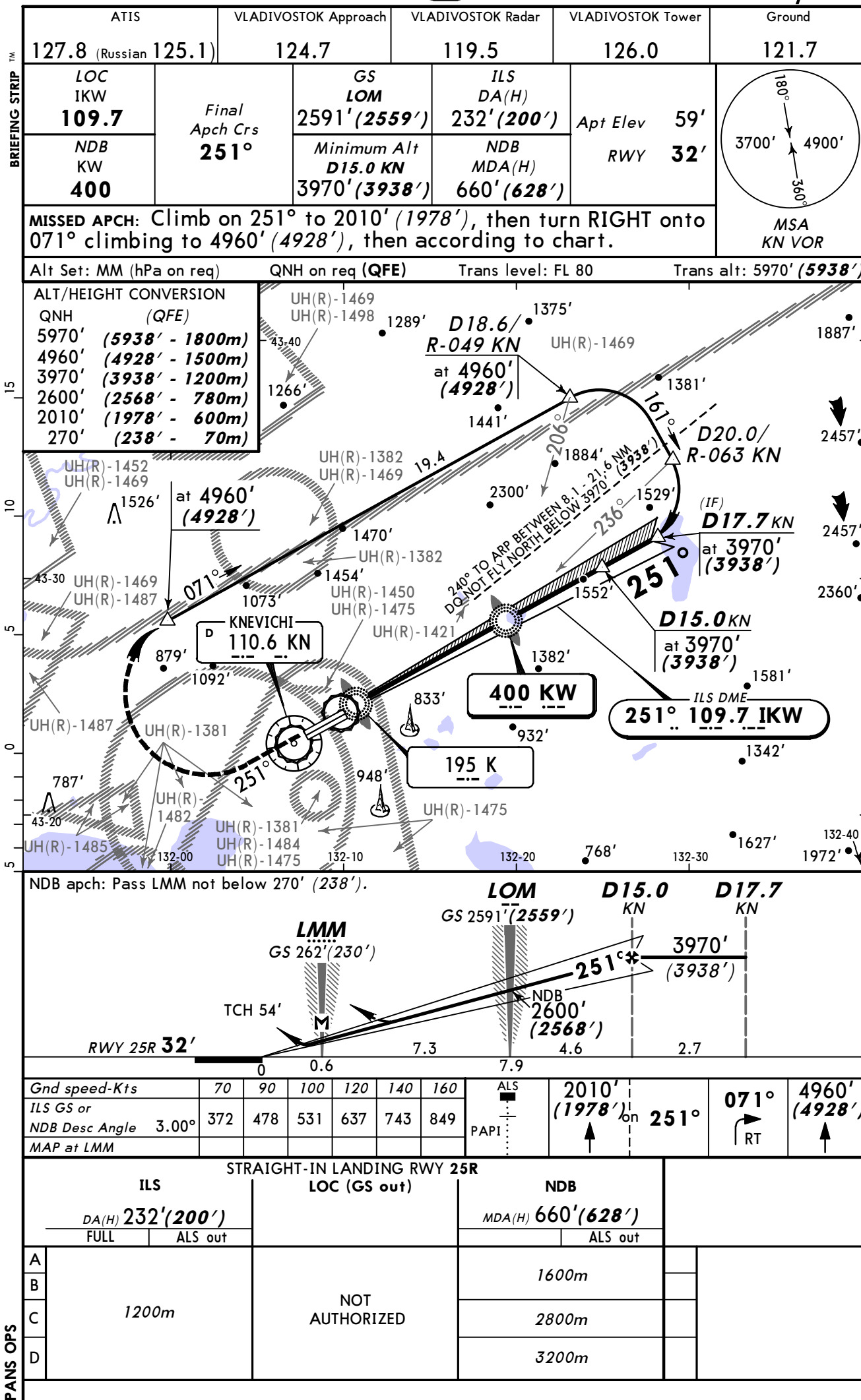
UHHW/VVO
KNEVICH

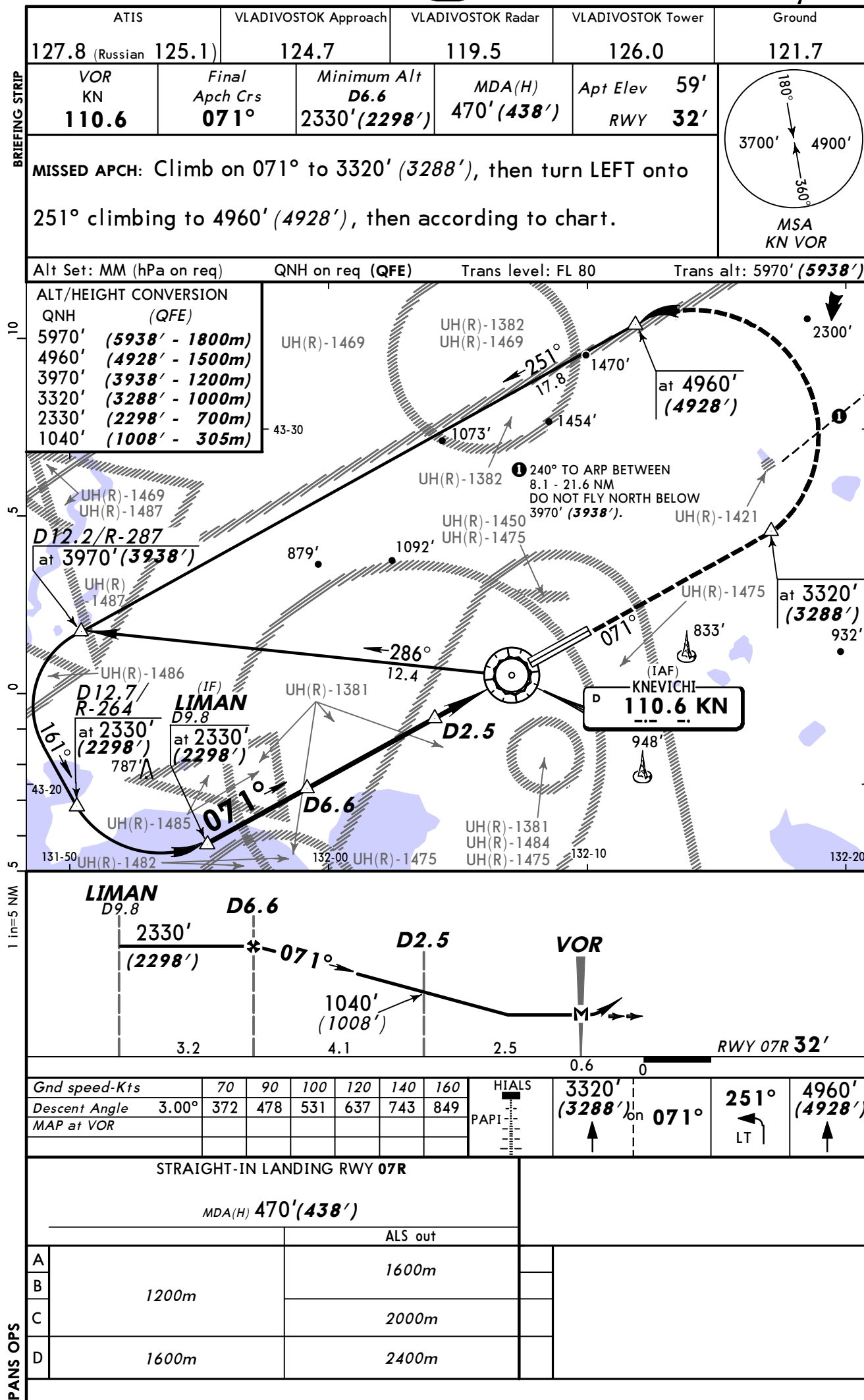
19 APR 13
Eff 2 May

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VLADIVOSTOK, RUSSIA
CAT II ILS DME Rwy 25L







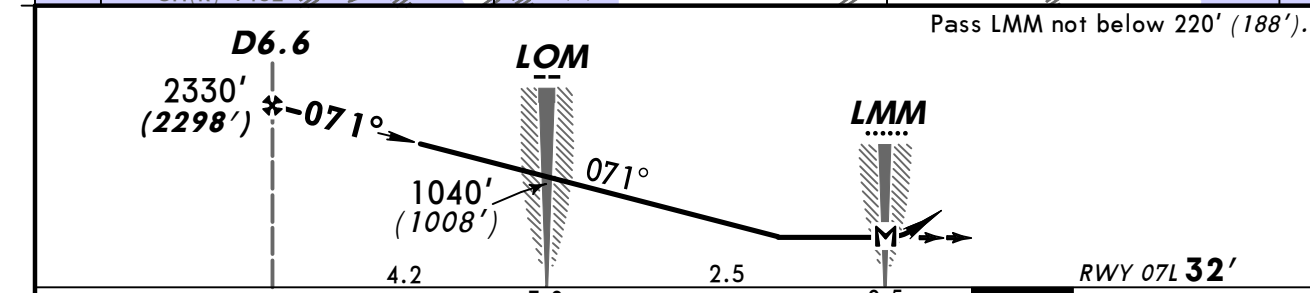
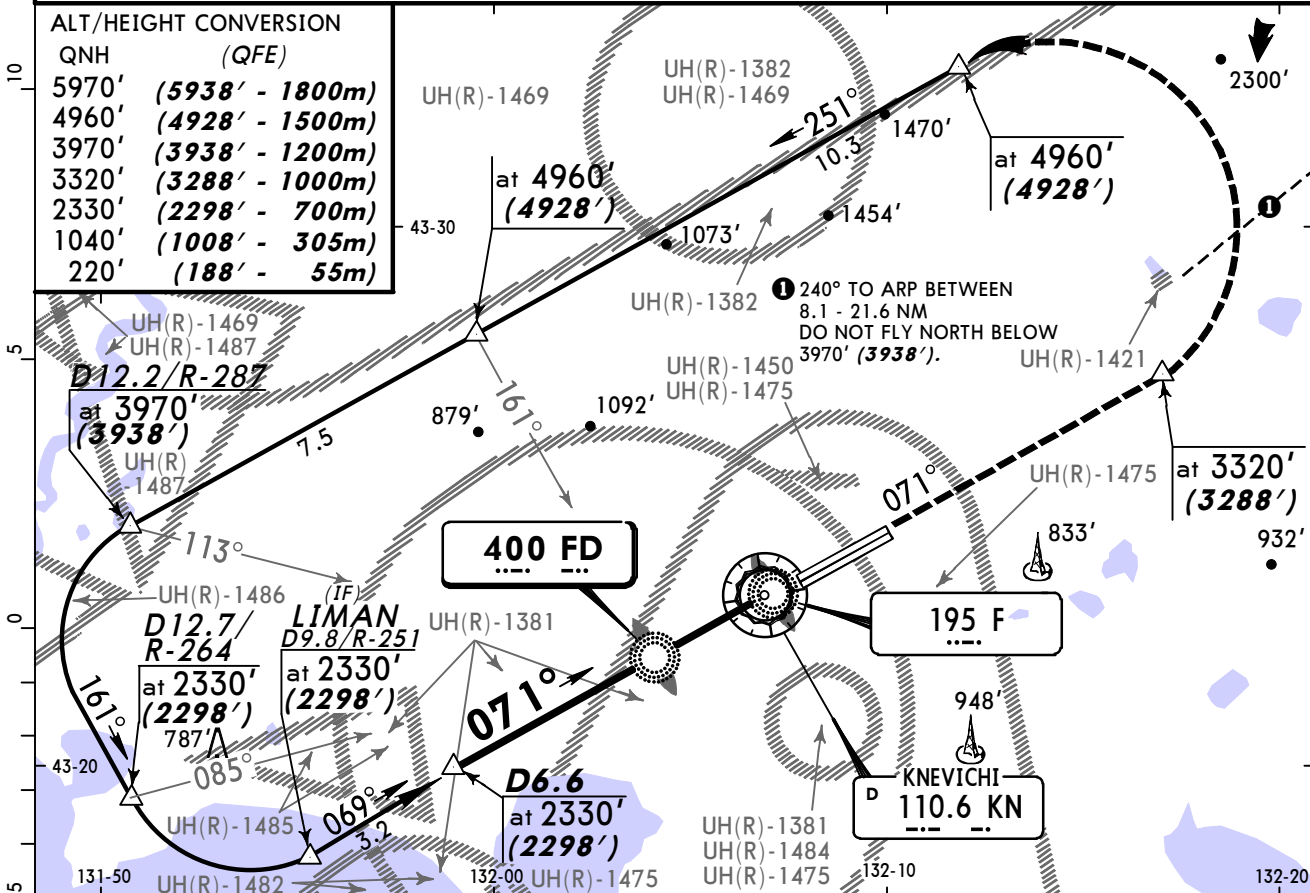
BRIEFING STRIP TM

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ANS OPS

ATIS	VLADIVOSTOK Approach	VLADIVOSTOK Radar	VLADIVOSTOK Tower	Ground
127.8 (Russian 125.1)	124.7	119.5	126.0	121.7
NDB FD 400	Final Apch Crs 071°	Minimum Alt D6.6 2330' (2298')	2 NDB MDA(H) 400' (368') Apt Elev 59' RWY 32'	
MISSED APCH: Climb on 071° to 3320' (3288'), then turn LEFT onto 251° climbing to 4960' (4928'), then according to chart.				

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 80 Trans alt: 5970' (5938')



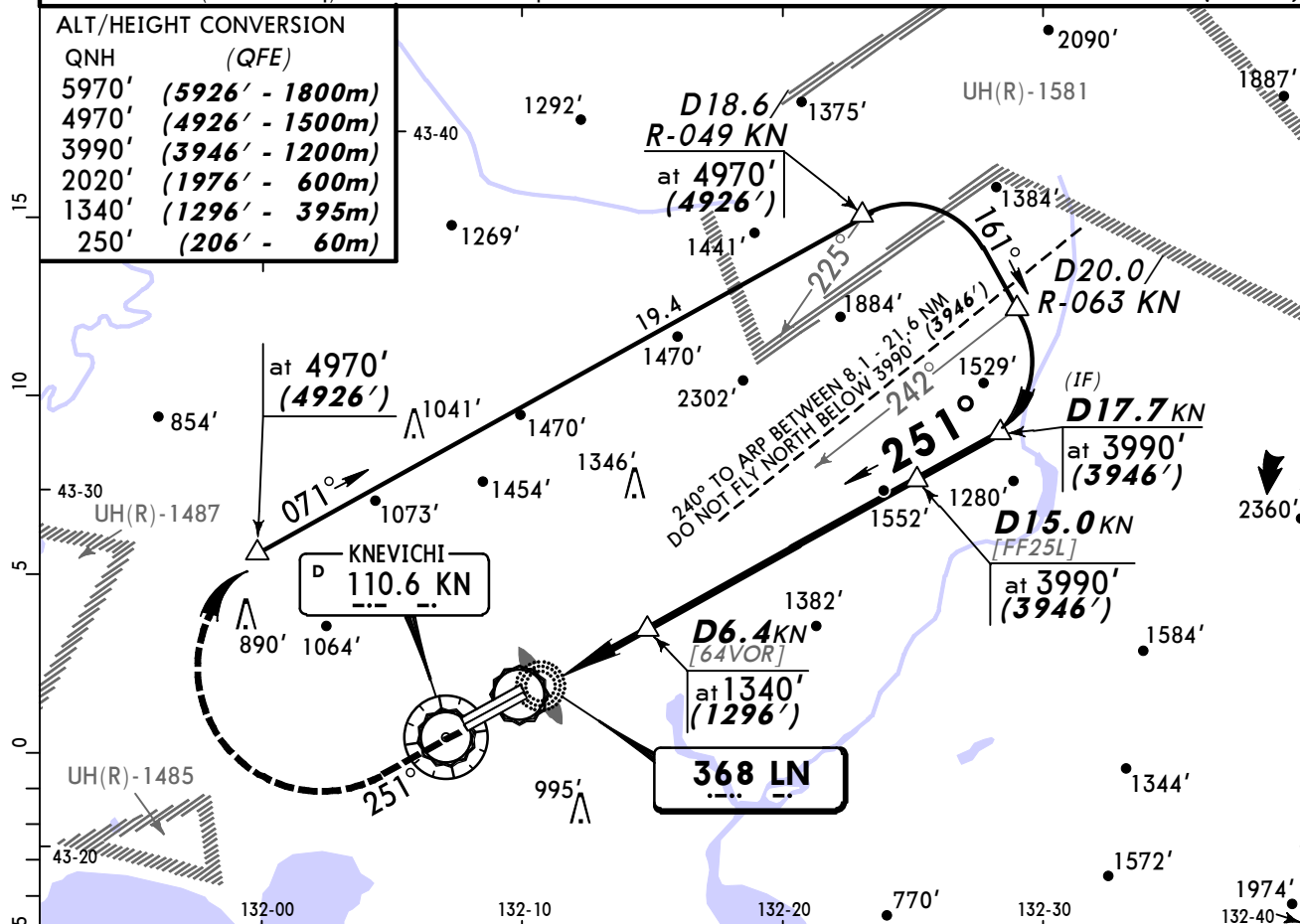
Gnd speed-Kts	70	90	100	120	140	160	ALS	3320' (3288')	on 071°	251°	4960' (4928')
Descent Angle	3.00°	372	478	531	637	743	849			LT	
MAP at LMM											

STRAIGHT-IN LANDING RWY 07L			
2 NDB	FD NDB		
MDA(H) 400' (368')	with FAF MDA(H) 500' (468')	w/o FAF MDA(H) 1350' (1318')	
ALS out	ALS out	ALS out	
A		2000m	
B	1600m	2400m	
C	2000m		
D	2000m	4800m	

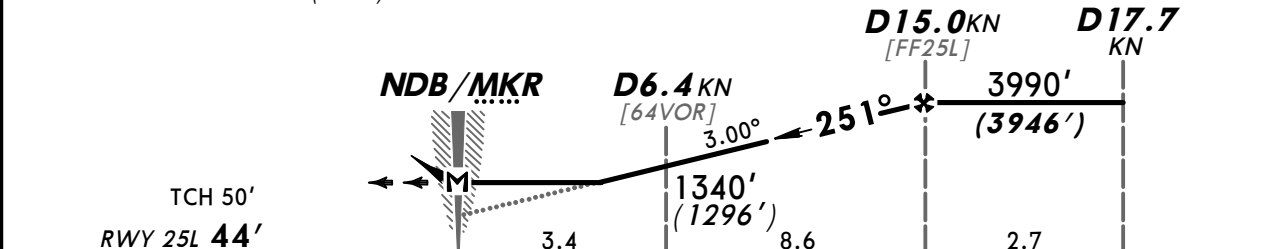
ATIS	VLADIVOSTOK Approach	VLADIVOSTOK Radar	VLADIVOSTOK Tower	Ground
127.8 (Russian 125.1)	124.7	119.5	126.0	121.7
NDB LN 368	Final Apch Crs 251°	With FAF Minimum Alt D15.0 KN 3990' (3946')	NDB With FAF MDA(H) 1810' (1766')	Apt Elev 59' RWY 44'
MISSED APCH: Climb on 251° to 2020' (1976'), then turn RIGHT onto 071° climbing to 4970' (4926'), then according to chart.				
				MSA KN VOR

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 80 Trans alt: 5970' (5926')

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5970'	(5926' - 1800m)
4970'	(4926' - 1500m)
3990'	(3946' - 1200m)
2020'	(1976' - 600m)
1340'	(1296' - 395m)
250'	(206' - 60m)



Pass LMM not below 250' (206').



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	2020' (1976')	on 251°	071° RT	4970' (4926')
Descent Angle	3.00°	372	478	531	637	743	849				
MAP at NDB/MKR											

STRAIGHT-IN LANDING RWY 25L							
With FAF		W/o FAF					
MDA(H) 1810' (1766')		MDA(H) 2280' (2236')					
	ALS out		ALS out				
A	1200m	2000m	1200m	2000m			
B	1600m	2400m	1600m	2400m			
C	4000m	4800m	4000m	4800m			
D	4400m		4400m				

Chart changes since cycle 22-2013

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

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
VLADIVOSTOK, (KNEVICH I - UHWW)				

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UHWW