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Airport Information For USPP

Terminal Charts For USPP

Revision Letter For Cycle 09-2019

Change Notices

Notebook

General Information

Location: PERM RUS
ICAO/IATA: USPP / PEE
Lat/Long: N57° 54.9', E056° 01.3'
Elevation: 404 ft

Airport Use: Public
Daylight Savings: Not Observed
UTC Conversion: -5:00 = UTC
Magnetic Variation: 15.0° E

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

Sunrise: 0004 Z
Sunset: 1621 Z

Runway Information

Runway: 03
Length x Width: 10512 ft x 161 ft
Surface Type: concrete
TDZ-Elev: 384 ft
Lighting: Edge, ALS

Runway: 21
Length x Width: 10512 ft x 161 ft
Surface Type: concrete
TDZ-Elev: 400 ft
Lighting: Edge, ALS

Communication Information

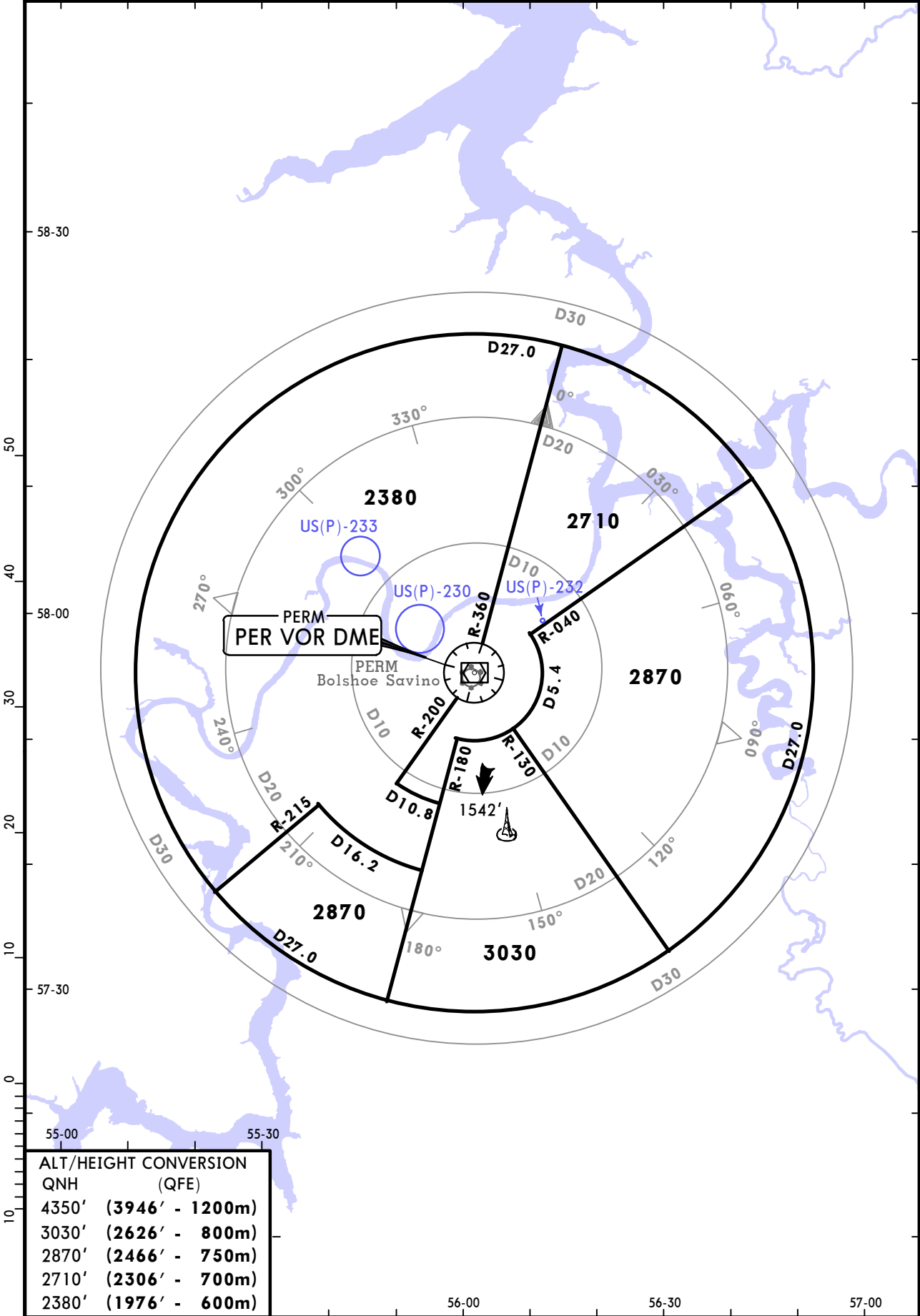
ATIS: 126.400
Perm Start Tower: 124.000
Perm Apron Ramp/Taxi: 118.800
Perm Approach: 127.100
Perm Approach: 124.000 Secondary
Perm Transit Operations: 131.700
Perm Radar: 124.000 Secondary
Perm Radar: 121.700

USPP/PEE
BOLSHOE SAVINO

22 MAR 19
Eff 28 Mar
10-1R

PERM, RUSSIA
RADAR MINIMUM ALTITUDES

Apt Elev 404'	PERM Radar 121.7 124.0X	Alt Set: MM (hPa on request) QNH on request (QFE)
		Trans level: FL60 FL70 if pressure is less than 749 mm (998.6 hPa) FL80 if pressure is less than 722 mm (962.6 hPa) Trans alt: 4350' (3946')

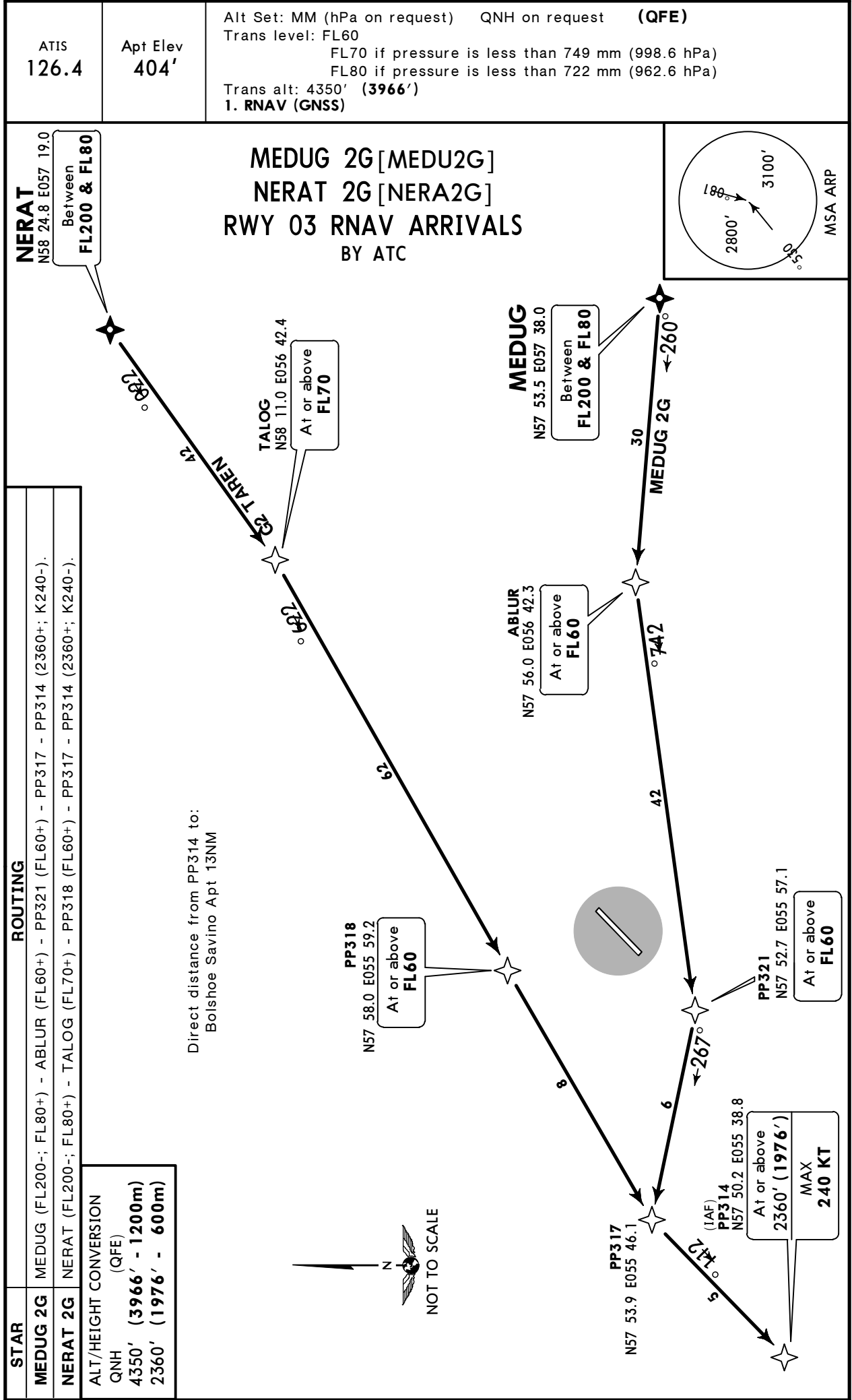


ALT/HEIGHT CONVERSION	
QNH	(QFE)
4350'	(3946' - 1200m)
3030'	(2626' - 800m)
2870'	(2466' - 750m)
2710'	(2306' - 700m)
2380'	(1976' - 600m)

USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 10-2 Eff 17 Sep

PERM, RUSSIA
RNAV STAR



MSA ARP

30
MEDUG 4G

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PERM, RUSSIA

RNAV STAR

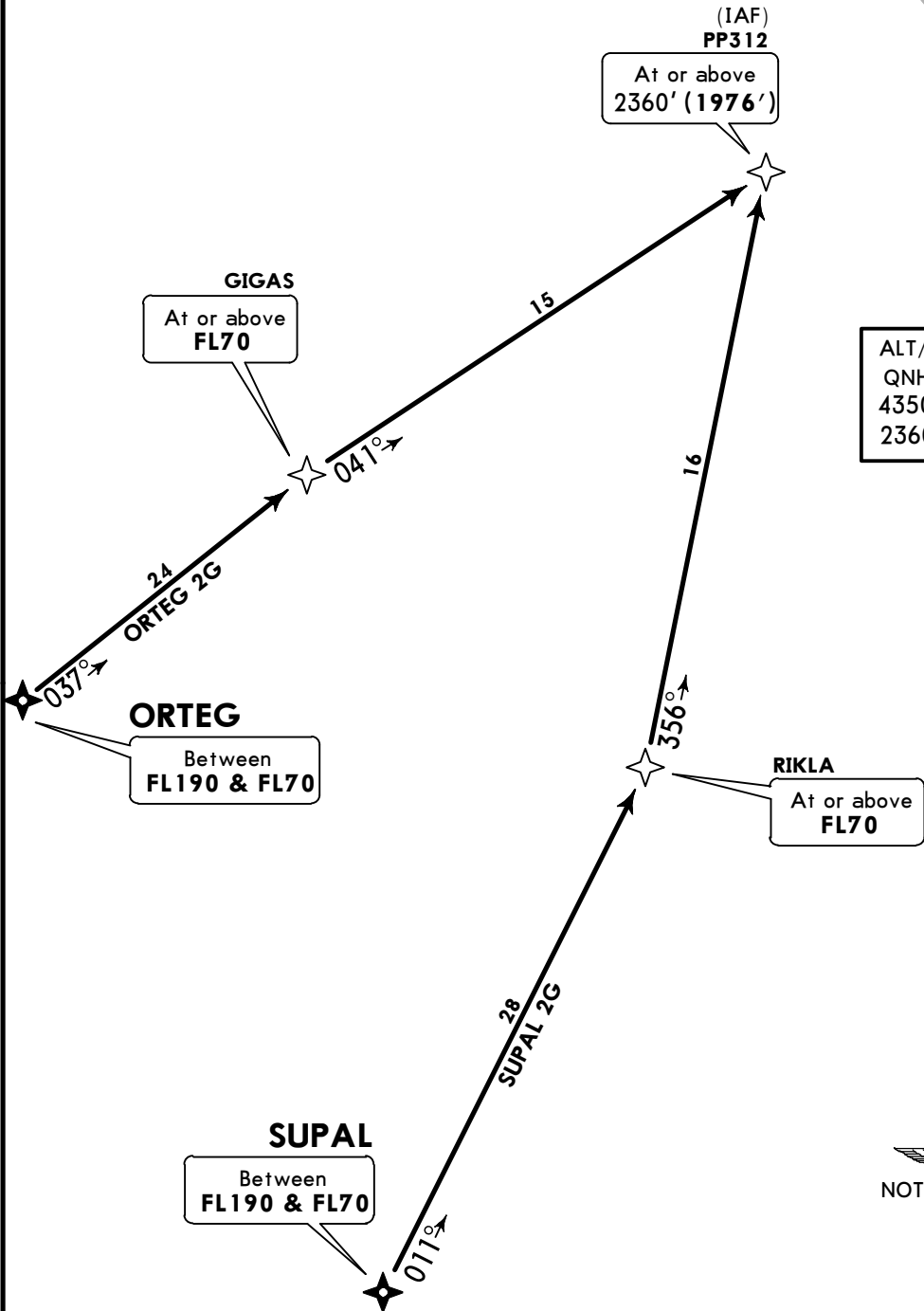
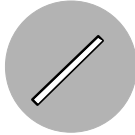
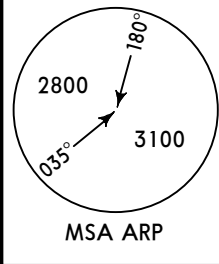
USPP/PEE
BOLSHOE SAVINO

 **JEPPESSEN**
22 MAR 19 **10-2D** **Eff 28 Mar**

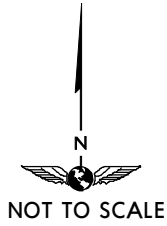
PERM, RUSSIA
RNAV STAR

ATIS 126.4	Apt Elev 404'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 FL70 if pressure is less than 749 mm (998.6 hPa) FL80 if pressure is less than 722 mm (962.6 hPa) Trans alt: 4350' (3966') RNAV (GNSS).
---------------	------------------	--

ORTEG 2G [ORTE2G]
SUPAL 2G [SUPA2G]
RWY 03 RNAV ARRIVALS
BY ATC



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4350'	(3966' - 1200m)
2360'	(1976' - 600m)



STAR	ROUTING
ORTEG 2G	ORTEG (FL190-; FL70+) - GIGAS (FL70+) - PP312 (2360+).
SUPAL 2G	SUPAL (FL190-; FL70+) - RIKLA (FL70+) - PP312 (2360+).

USPP/PEE
BOLSHOE SAVINO

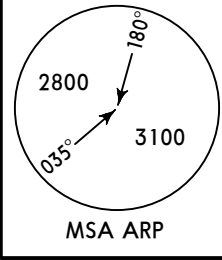
JEPPESSEN
22 MAR 19 10-2E Eff 28 Mar

PERM, RUSSIA
RNAV STAR

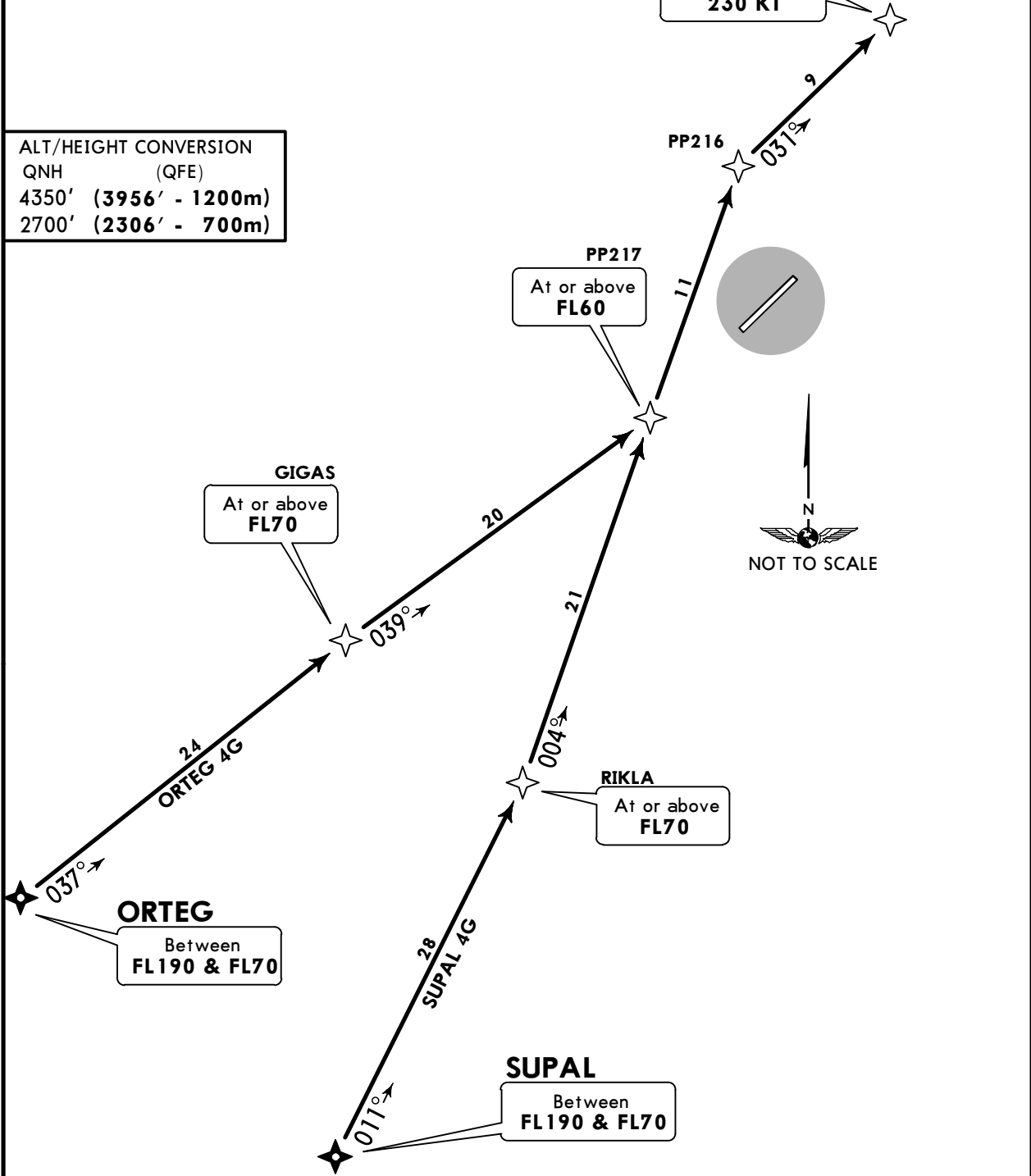
ATIS 126.4	Apt Elev 404'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 FL70 if pressure is less than 749 mm (998.6 hPa) FL80 if pressure is less than 722 mm (962.6 hPa) Trans alt: 4350' (3956') RNAV (GNSS).
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ORTEG 4G [ORTE4G]
SUPAL 4G [SUPA4G]
RWY 21 RNAV ARRIVALS
BY ATC

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4350'	(3956' - 1200m)
2700'	(2306' - 700m)



(IAF)
PP213
At or above
2700' (2306')
MAX
230 KT



STAR	ROUTING
ORTEG 4G	ORTEG (FL190-; FL70+) - GIGAS (FL70+) - PP217 (FL60+) - PP216 - PP213 (2700+; K230-).
SUPAL 4G	SUPAL (FL190-; FL70+) - RIKLA (FL70+) - PP217 (FL60+) - PP216 - PP213 (2700+; K230-).

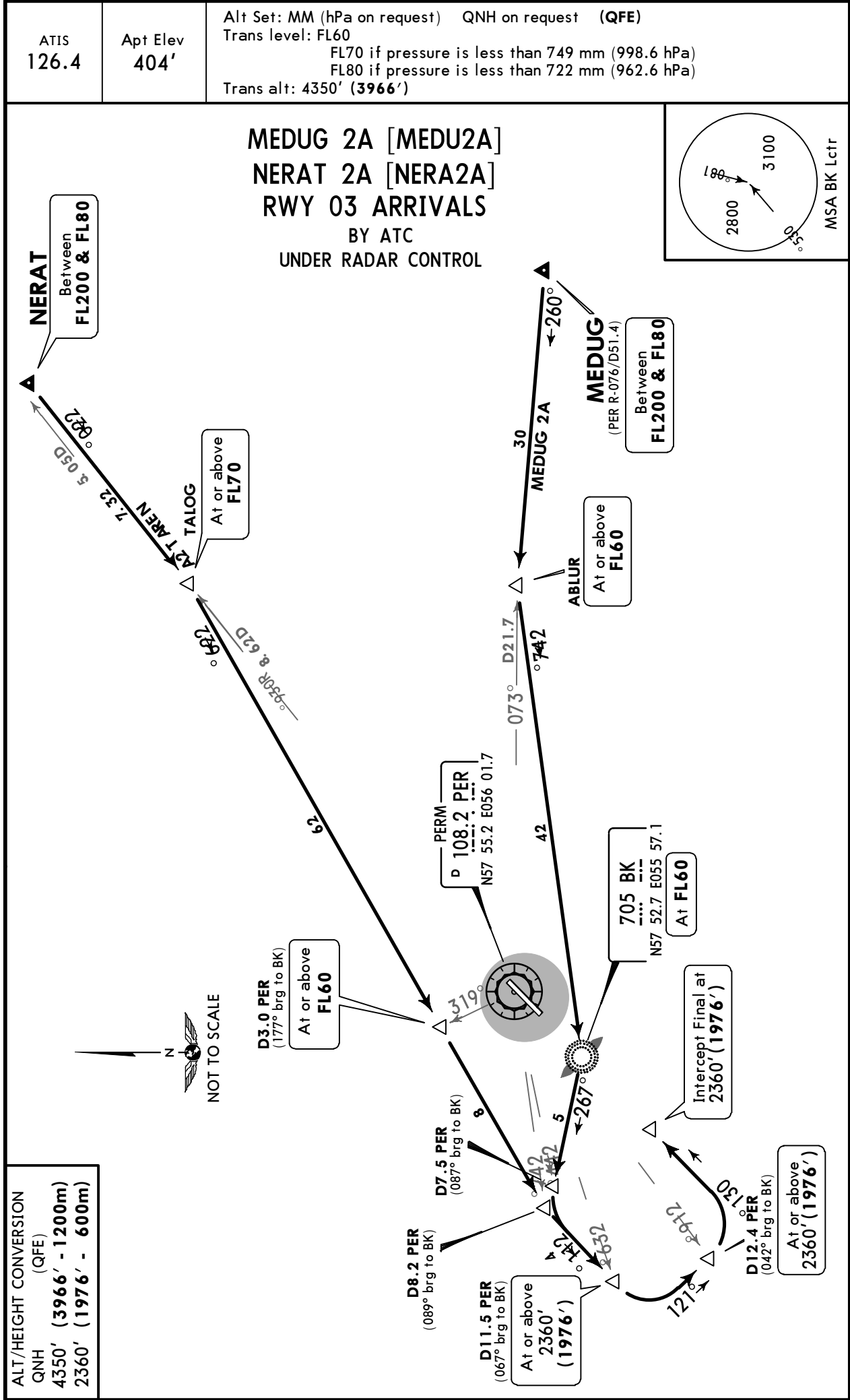
PERM, RUSSIA
RNAV STAR

STAR	ROUTING
GIMUN 4G	GIMUN (FL 190-; FL 70+) - SINRA (FL 60+) - PP213 (2700+; K230-).
NATSI 4G	NATSI (EL 190-; EL 70+) - PARMA (EL 70+) - PP213 (2700+; K230-).

USPP/PEE
BOLSHOE SAVINO

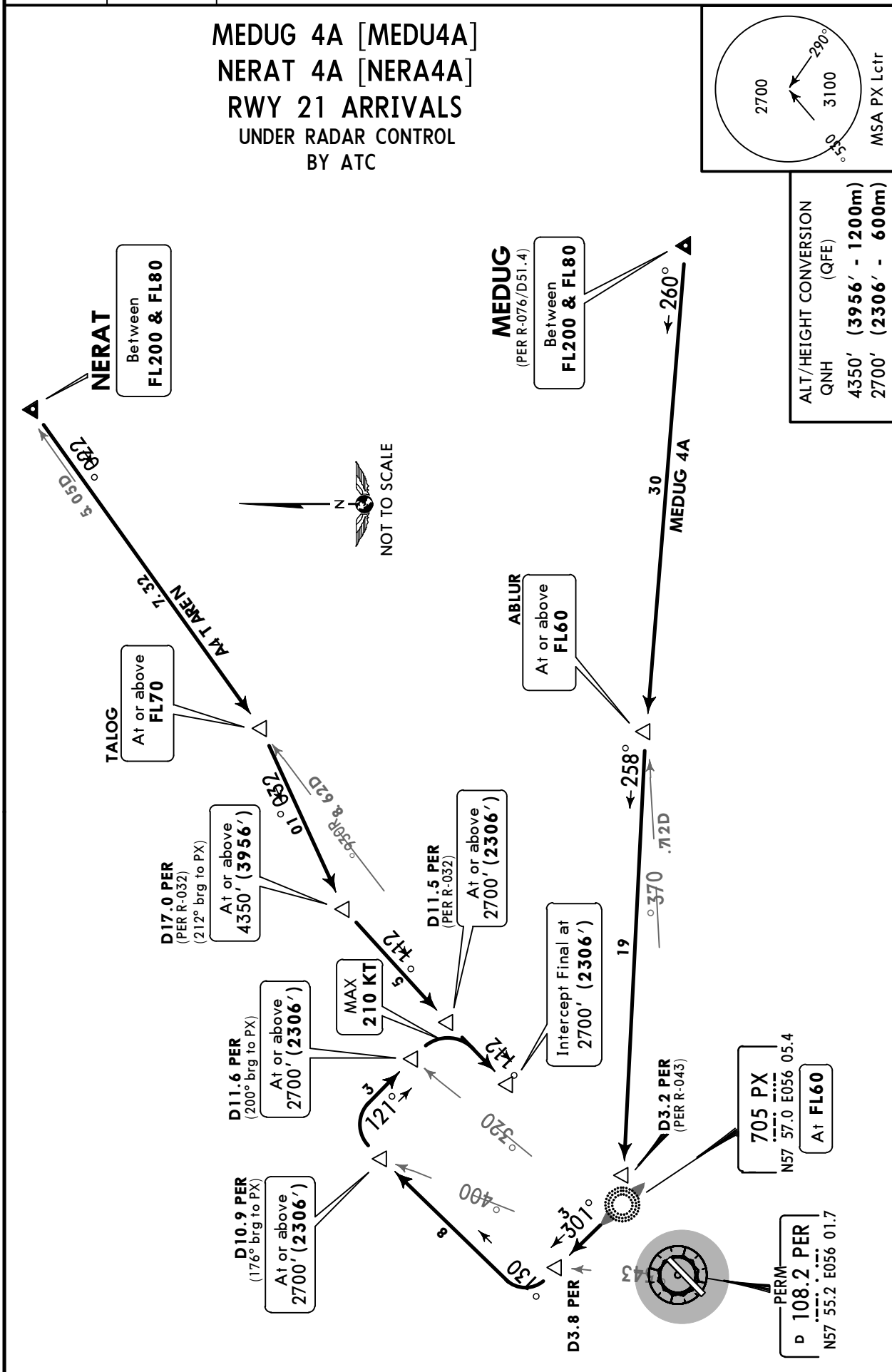
JEPPesen
22 MAR 19 10-2H Eff 28 Mar

PERM, RUSSIA
STAR



PERM, RUSSIA

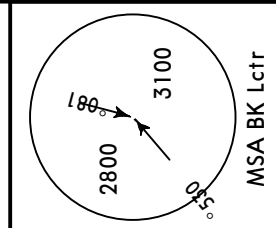
ATIS 126.4	Apt Elev 404'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 FL70 if pressure is less than 749 mm (998.6 hPa) FL80 if pressure is less than 722 mm (962.6 hPa) Trans alt: 4350' (3956')
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PERM, RUSSIA

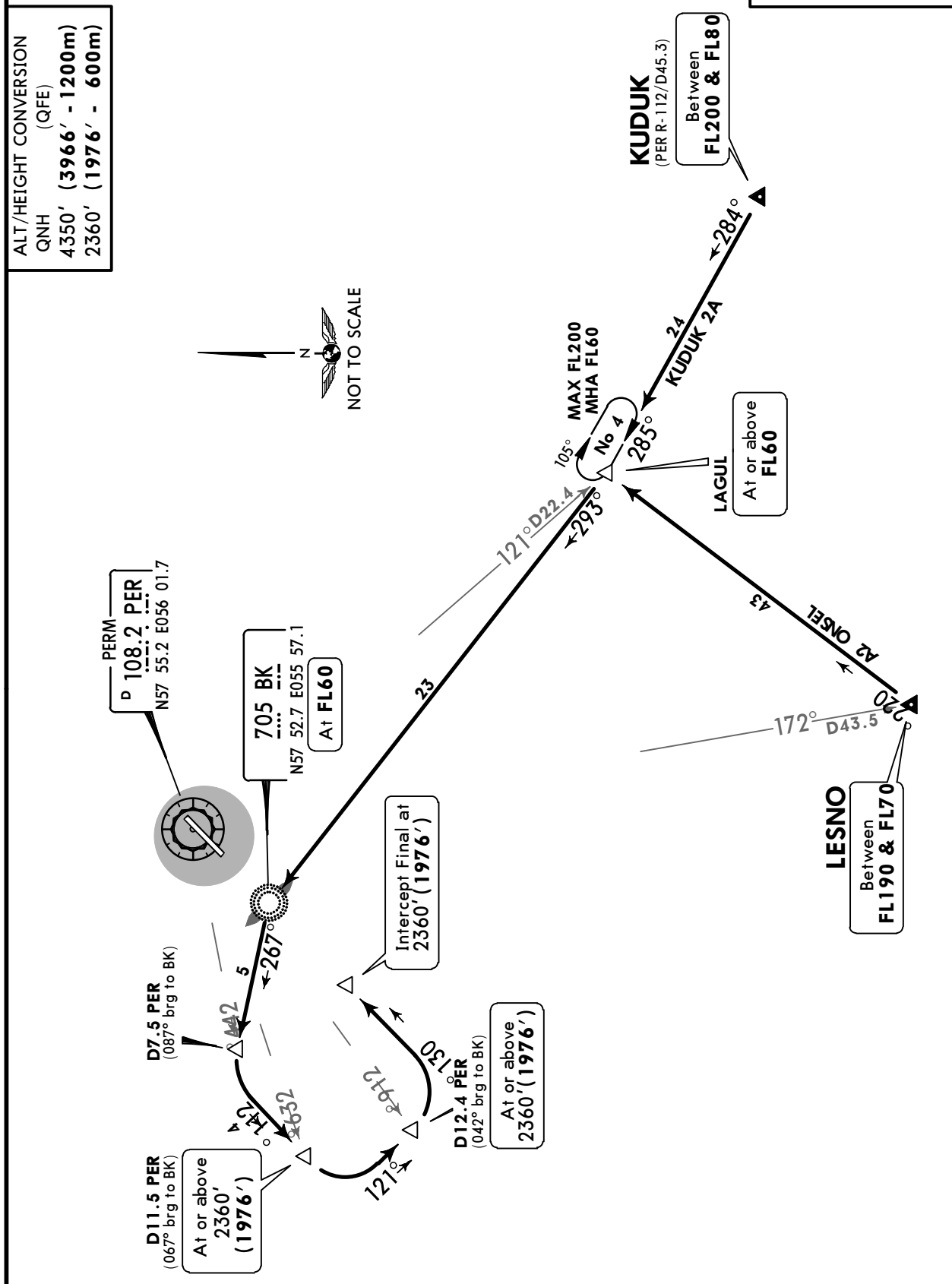
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Trans level: FL60
FL70 if pressure is less than 749 mm (998.6 hPa)
FL80 if pressure is less than 722 mm (962.6 hPa)
Trans alt: 4350' (3966')

KUDUK 2A [KUDU2A]
LENO 2A [LESN2A]
RWY 03 ARRIVALS
UNDER RADAR CONTROL



ALT/HEIGHT CONVERSION

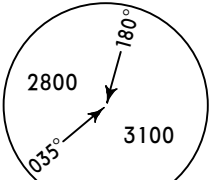
QNH	(QFE)
4350'	(3966' - 1200m)
2360'	(1976' - 600m)



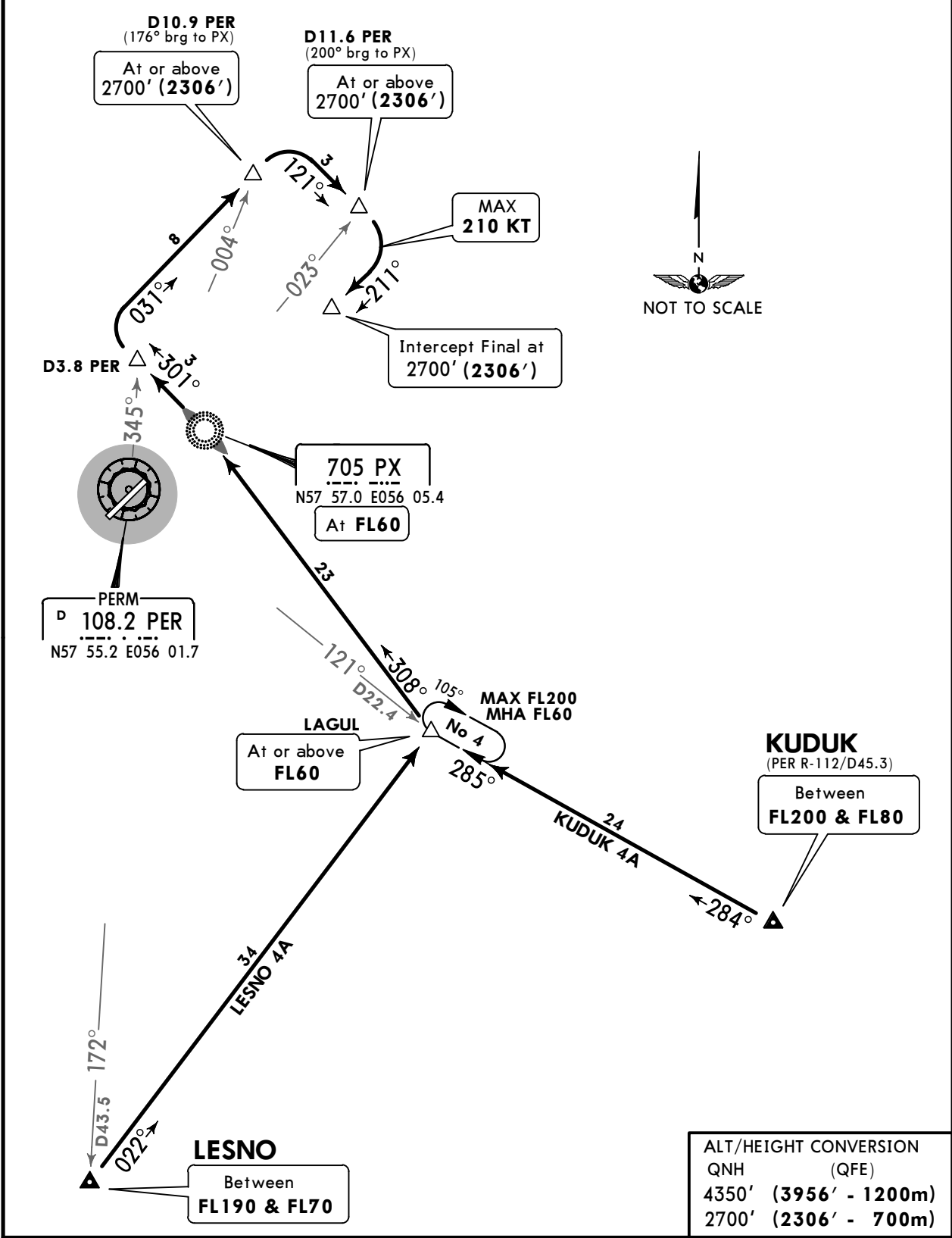
USPP/PEE
BOLSHOE SAVINO

JEPPESEN
22 MAR 19 10-2L Eff 28 Mar

PERM, RUSSIA
STAR

ATIS 126.4	Apt Elev 404'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 FL70 if pressure is less than 749 mm (998.6 hPa) FL80 if pressure is less than 722 mm (962.6 hPa) Trans alt: 4350' (3956')	
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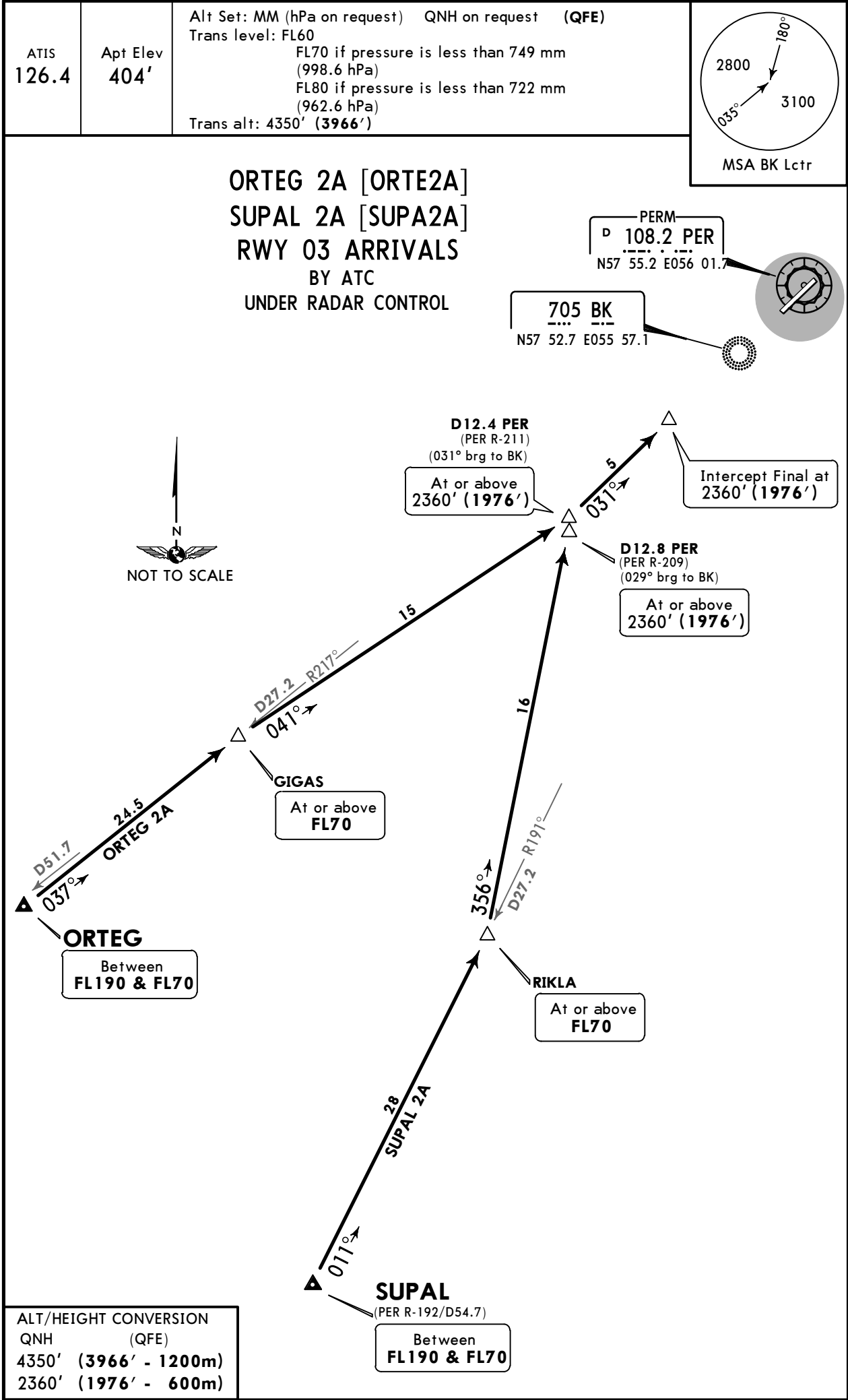
KUDUK 4A [KUDU4A]
LESNO 4A [LESN4A]
RWY 21 ARRIVALS
UNDER RADAR CONTROL



USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
22 MAR 19 10-2M Eff 28 Mar

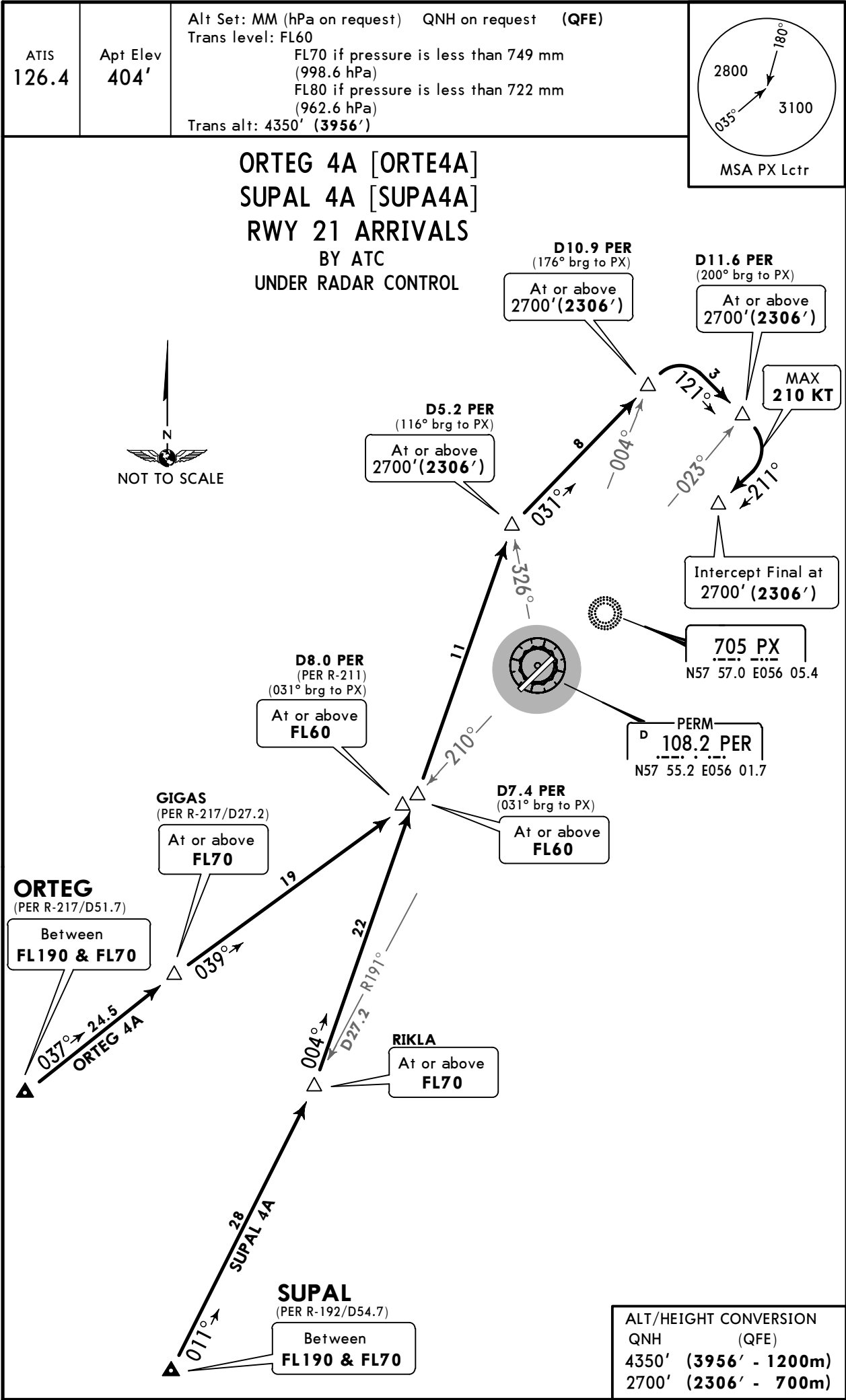
PERM, RUSSIA
STAR



USPP/PEE
BOLSHOE SAVINO

JEPPesen
22 MAR 19 10-2N Eff 28 Mar

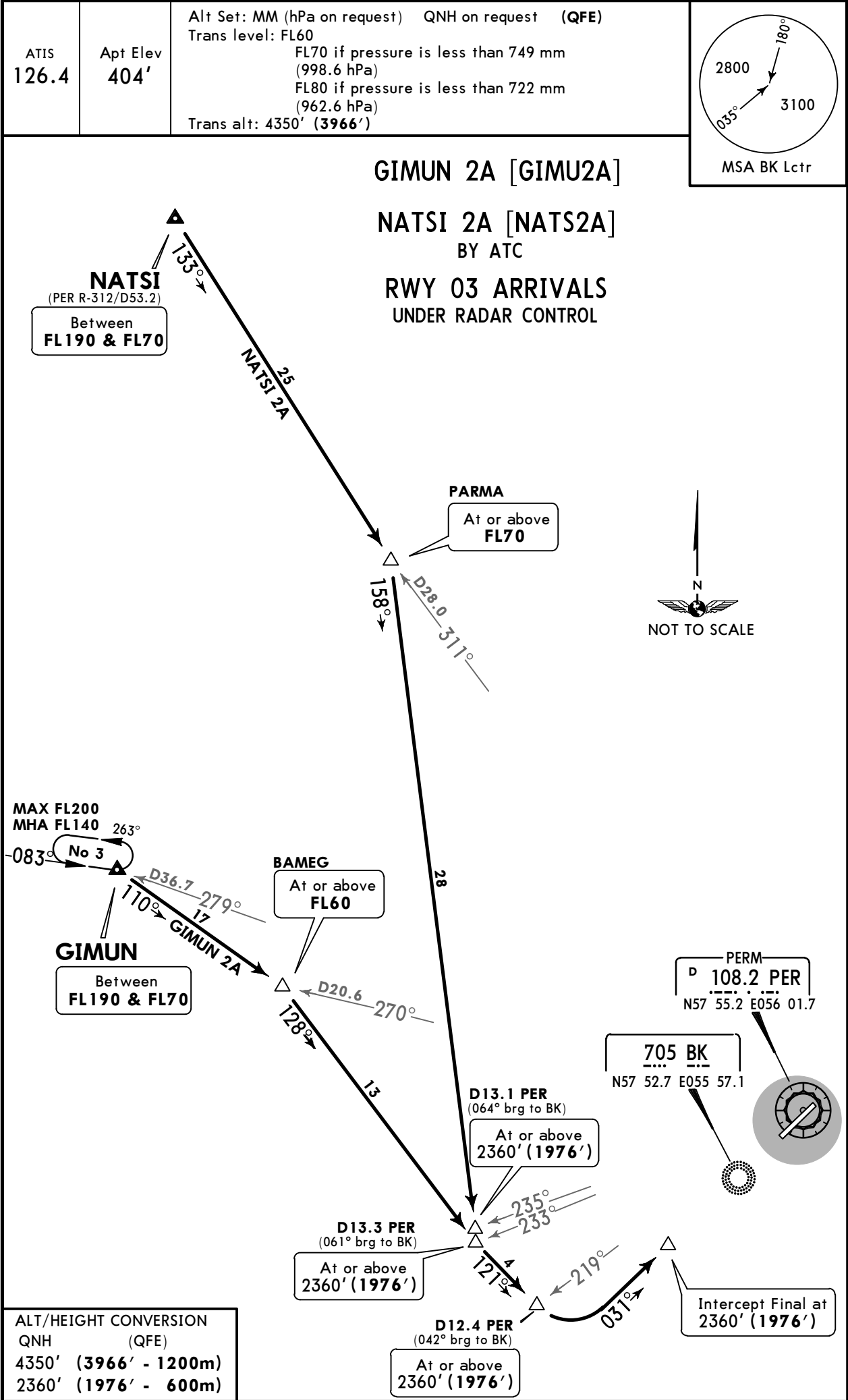
PERM, RUSSIA
STAR



USPP/PEE
BOLSHOE SAVINO

JEPPesen
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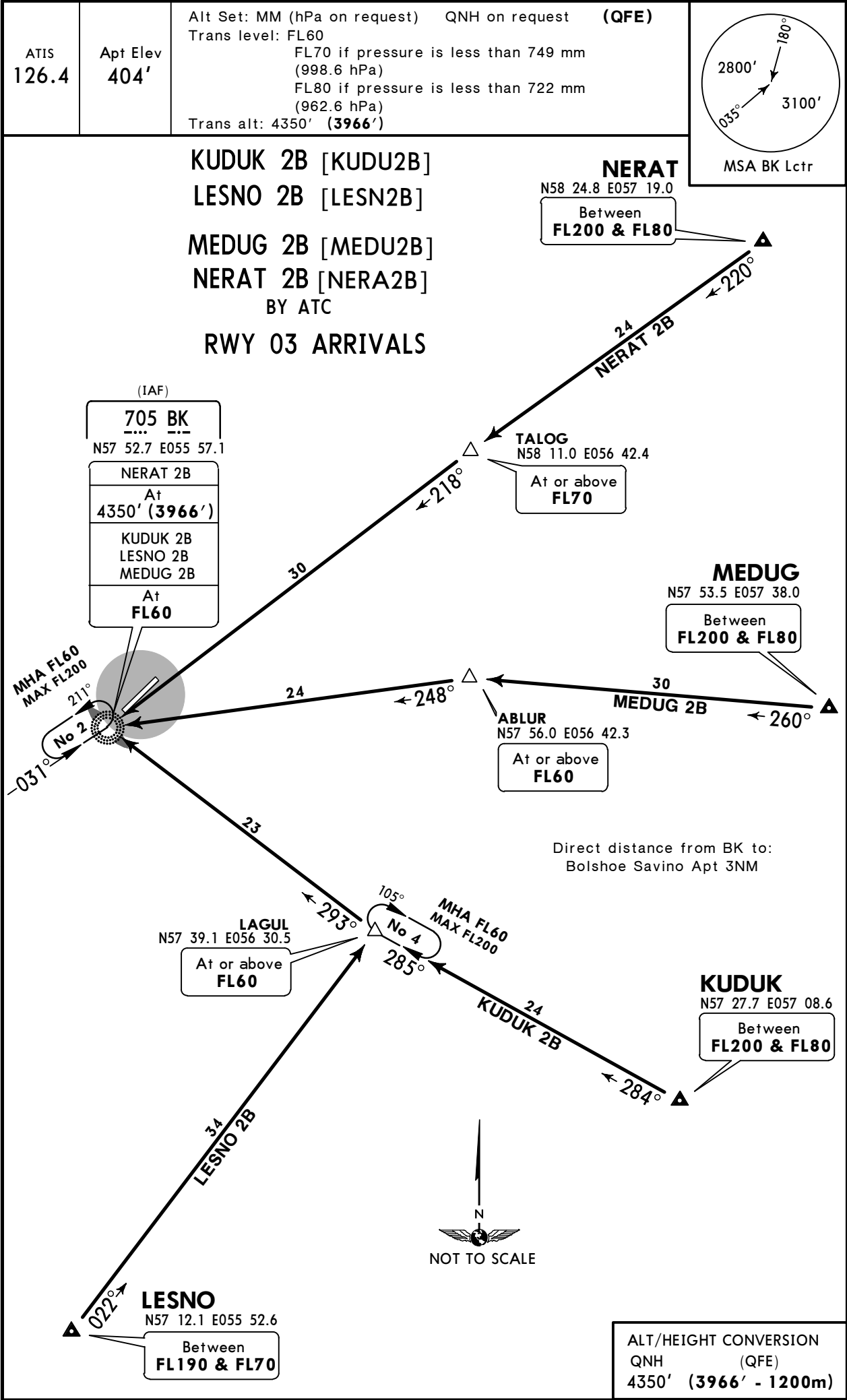
PERM, RUSSIA
STAR



USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-2S Eff 17 Sep

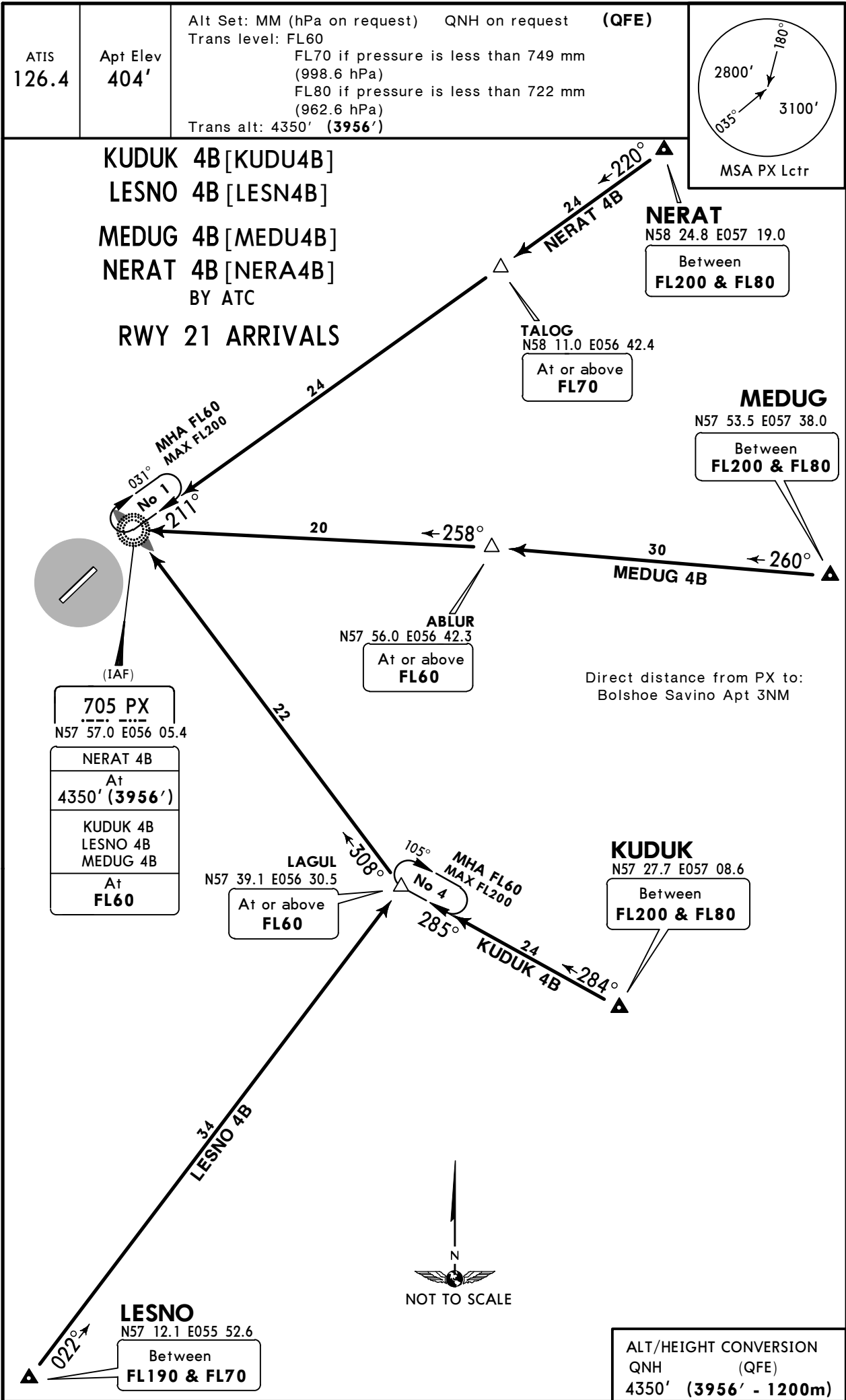
PERM, RUSSIA
STAR



USPP/PEE
BOLSHOE SAVINO

JEPPESEN
11 SEP 15 10-2T Eff 17 Sep

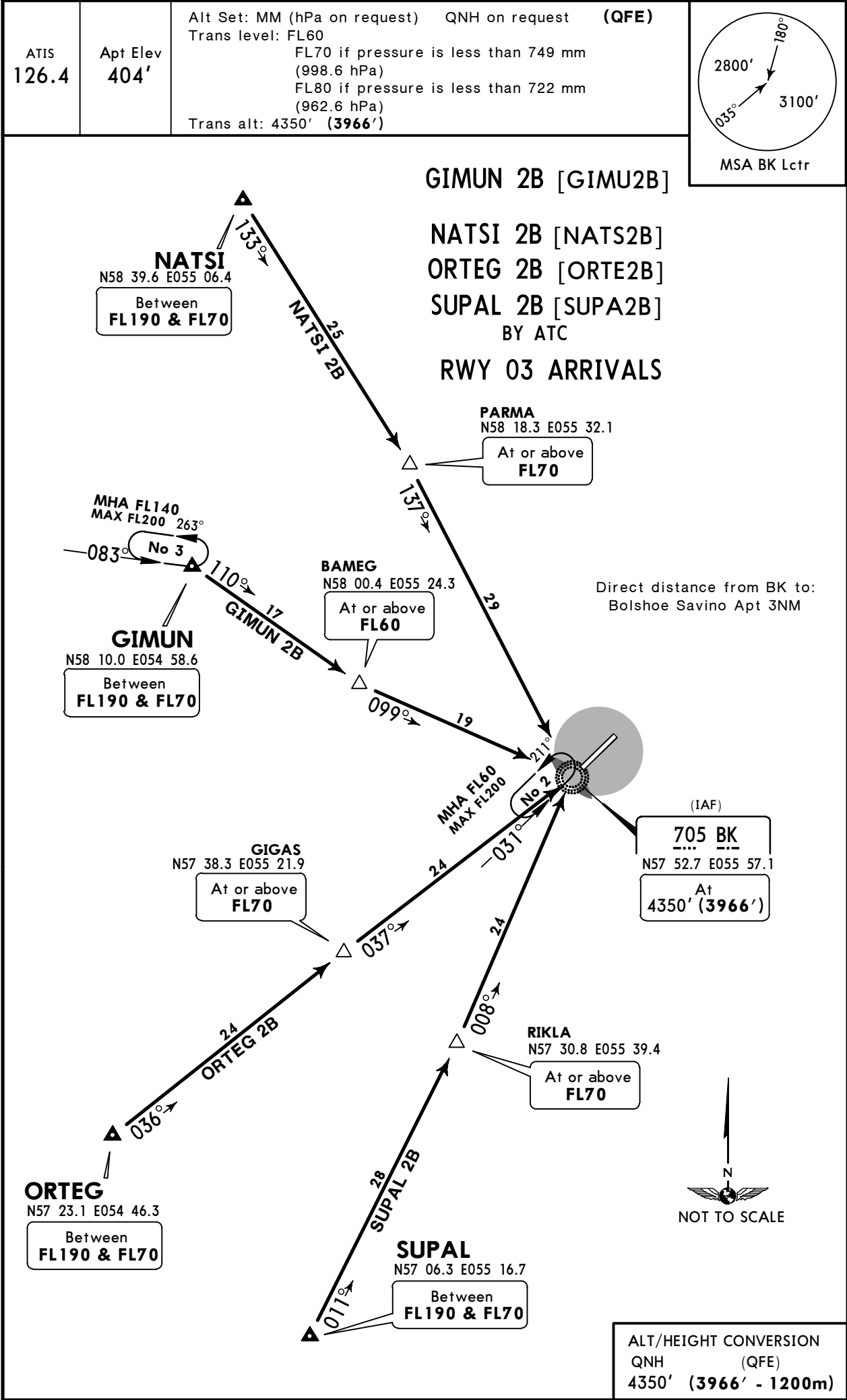
PERM, RUSSIA
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USPP/PEE
BOLSHOE SAVINO

JEPPesen
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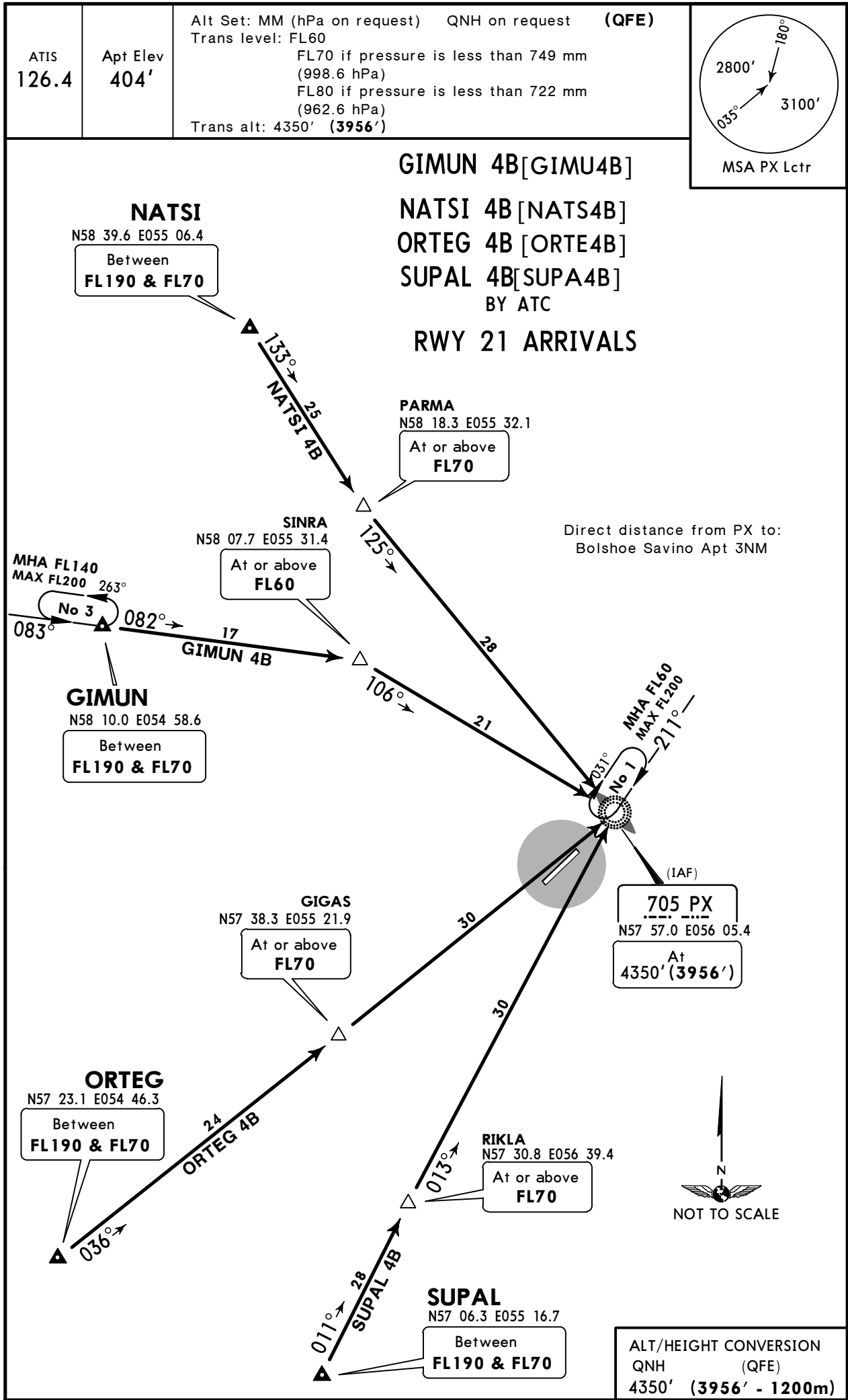
PERM, RUSSIA
STAR



USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-2V Eff 17 Sep

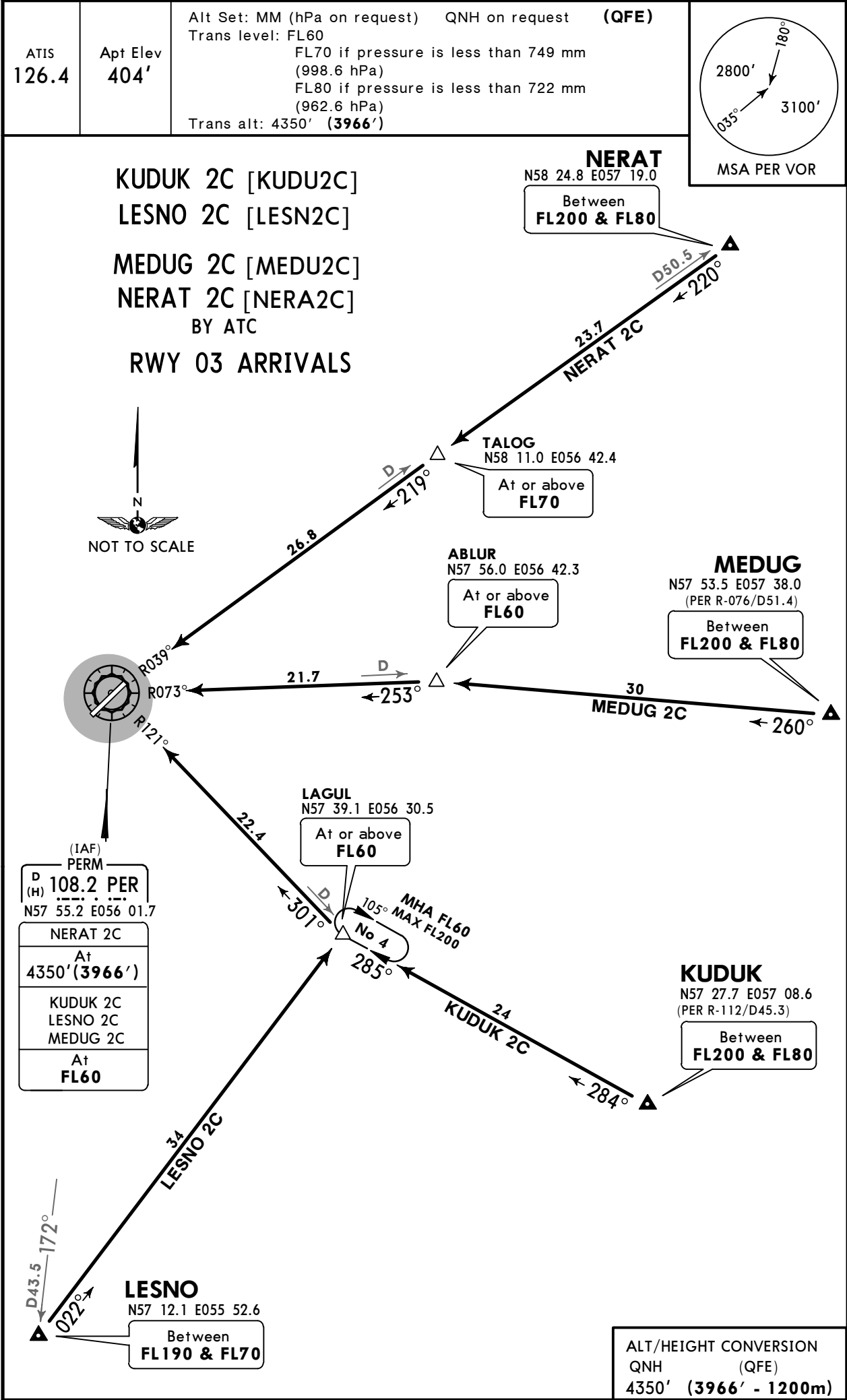
PERM, RUSSIA
STAR



USPP/PEE
BOLSHOE SAVINO

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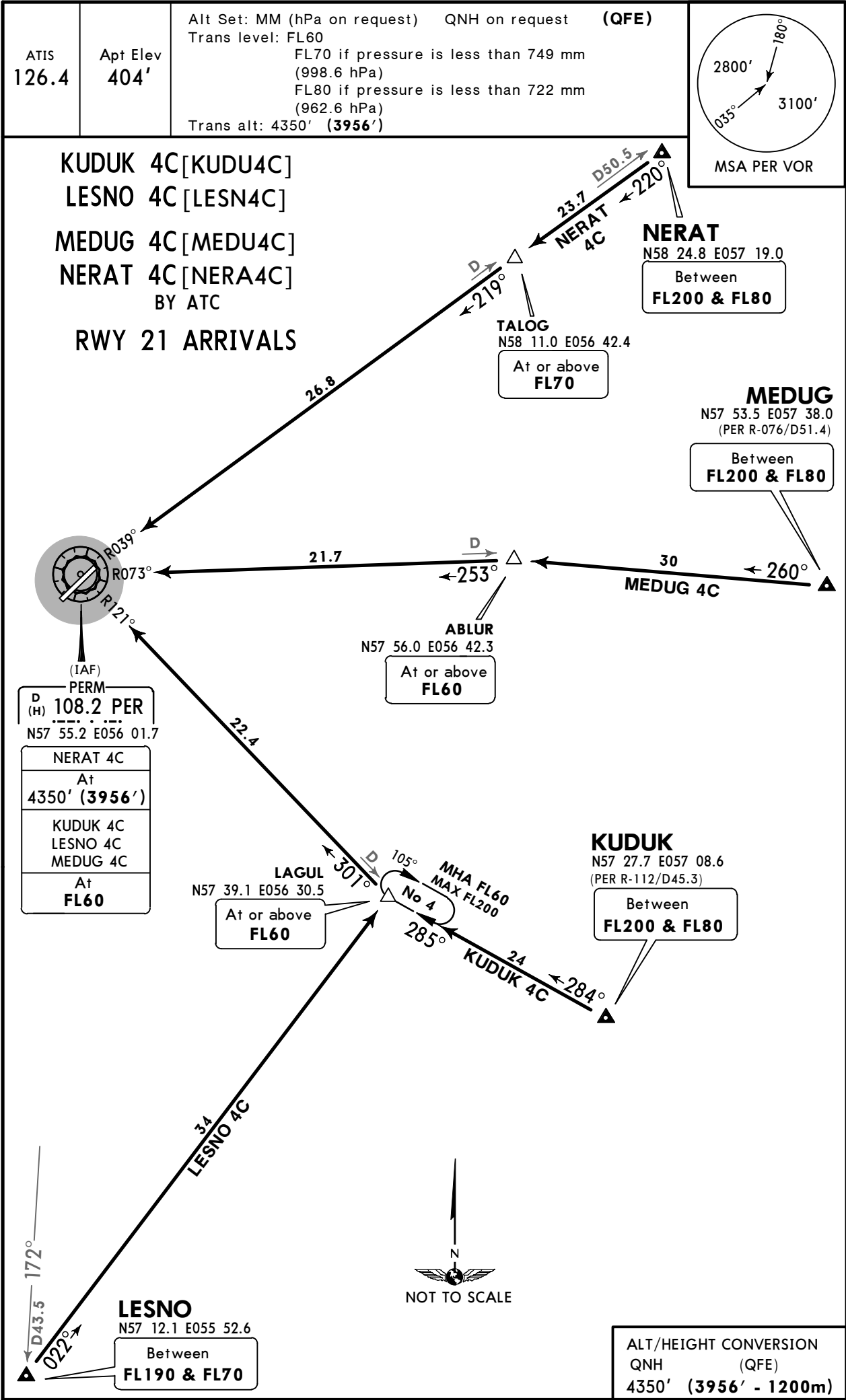
PERM, RUSSIA
STAR



USPP/PEE
BOLSHOE SAVINO

JEPPESEN
11 SEP 15 10-2X Eff 17 Sep

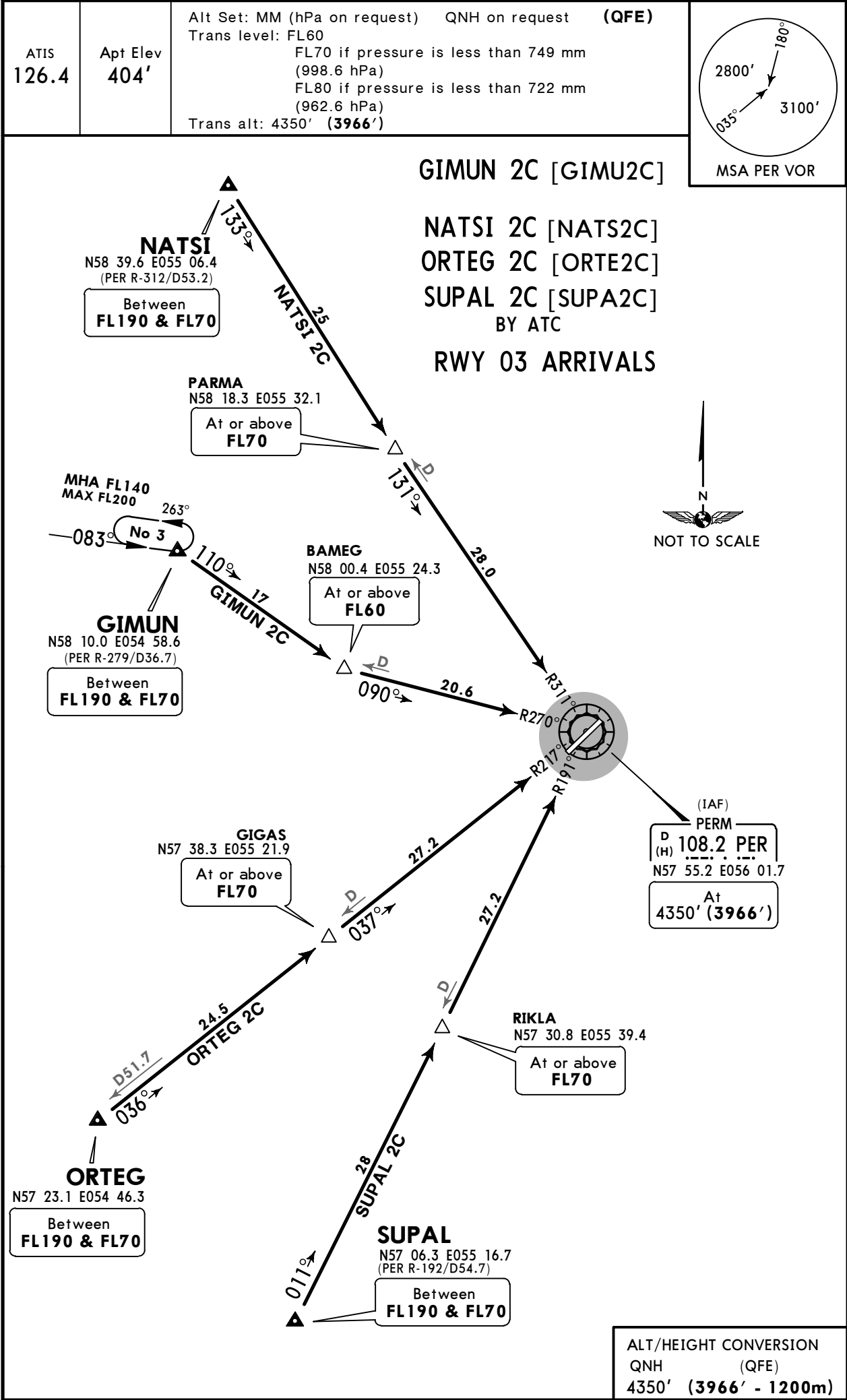
PERM, RUSSIA
STAR



USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 10-2X1 Eff 17 Sep

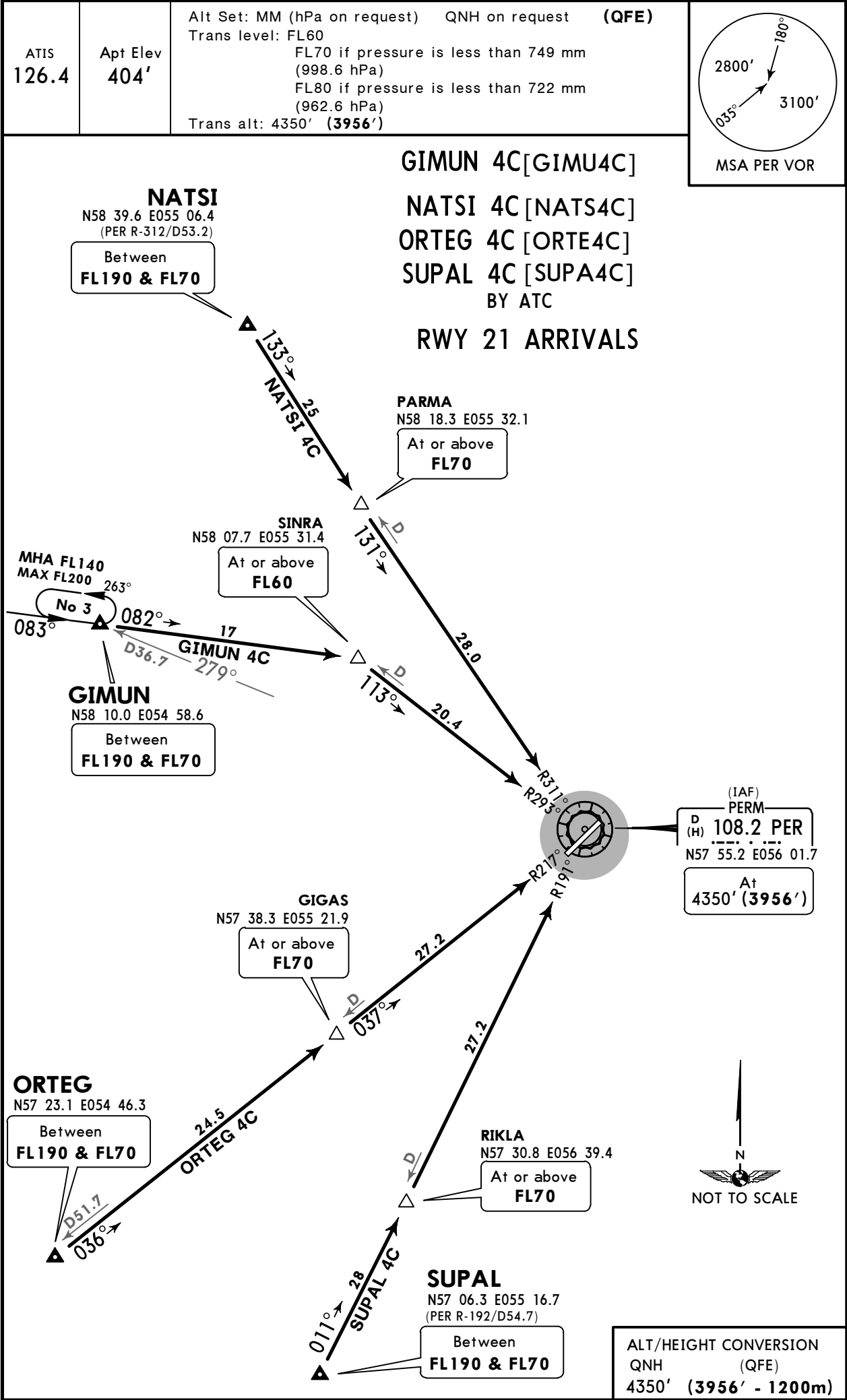
PERM, RUSSIA
STAR



USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 10-2X2 Eff 17 Sep

PERM, RUSSIA
STAR

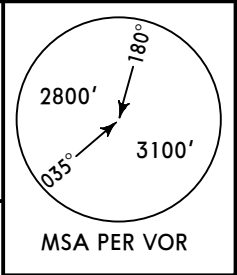


USPP/PEE
BOLSHOE SAVINO

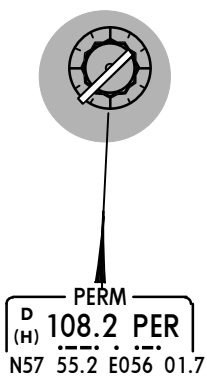
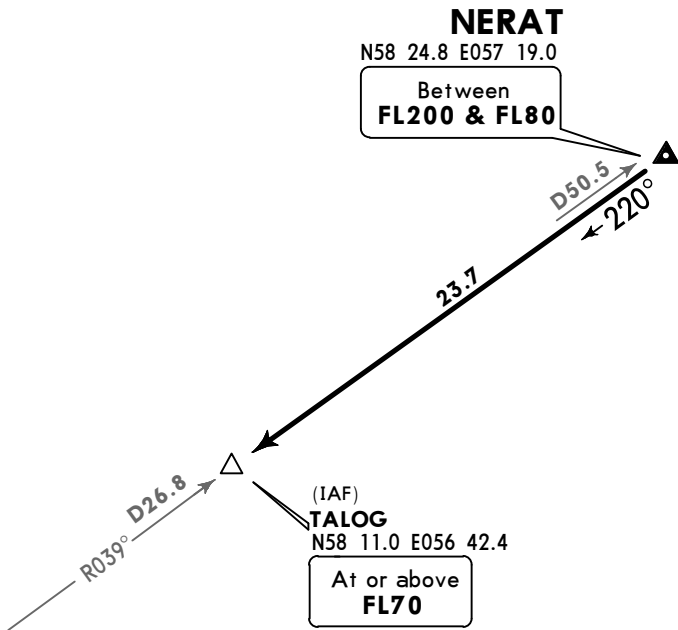
JEPPESEN
11 SEP 15 (10-2X3) Eff 17 Sep

PERM, RUSSIA
STAR

ATIS 126.4	Apt Elev 404'	Alt Set: MM (hPa on request) QNH on request (QFE)
		Trans level: FL60
		FL70 if pressure is less than 749 mm (998.6 hPa)
		FL80 if pressure is less than 722 mm (962.6 hPa)
		Trans alt: 4350' (3966')



NERAT 2D [NERA2D]
RWY 03 ARRIVAL
BY ATC

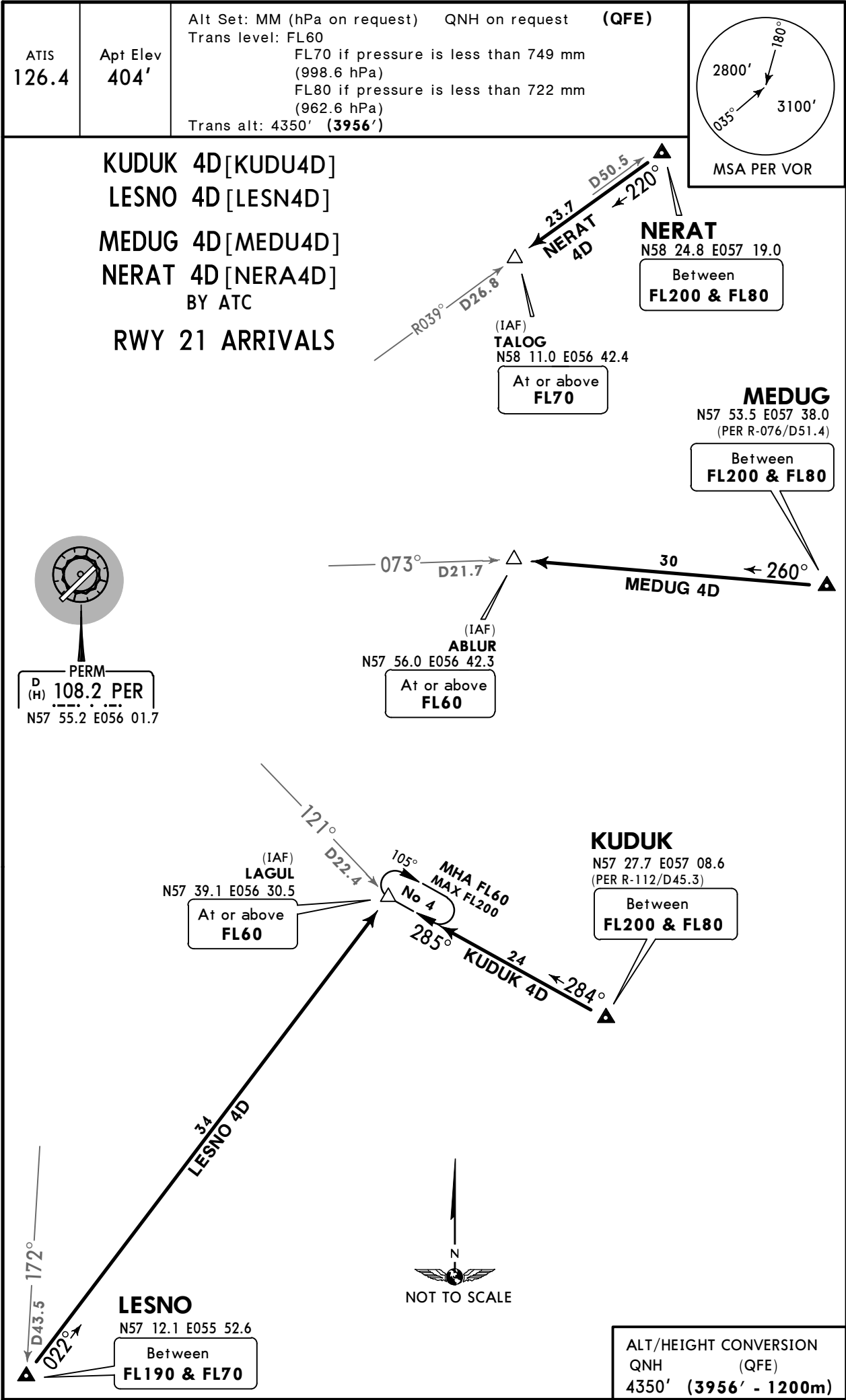


ALT/HEIGHT CONVERSION	
QNH	(QFE)
4350'	(3966' - 1200m)

USPP/PEE
BOLSHOE SAVINO

JEPPESEN
11 SEP 15 10-2X4 Eff 17 Sep

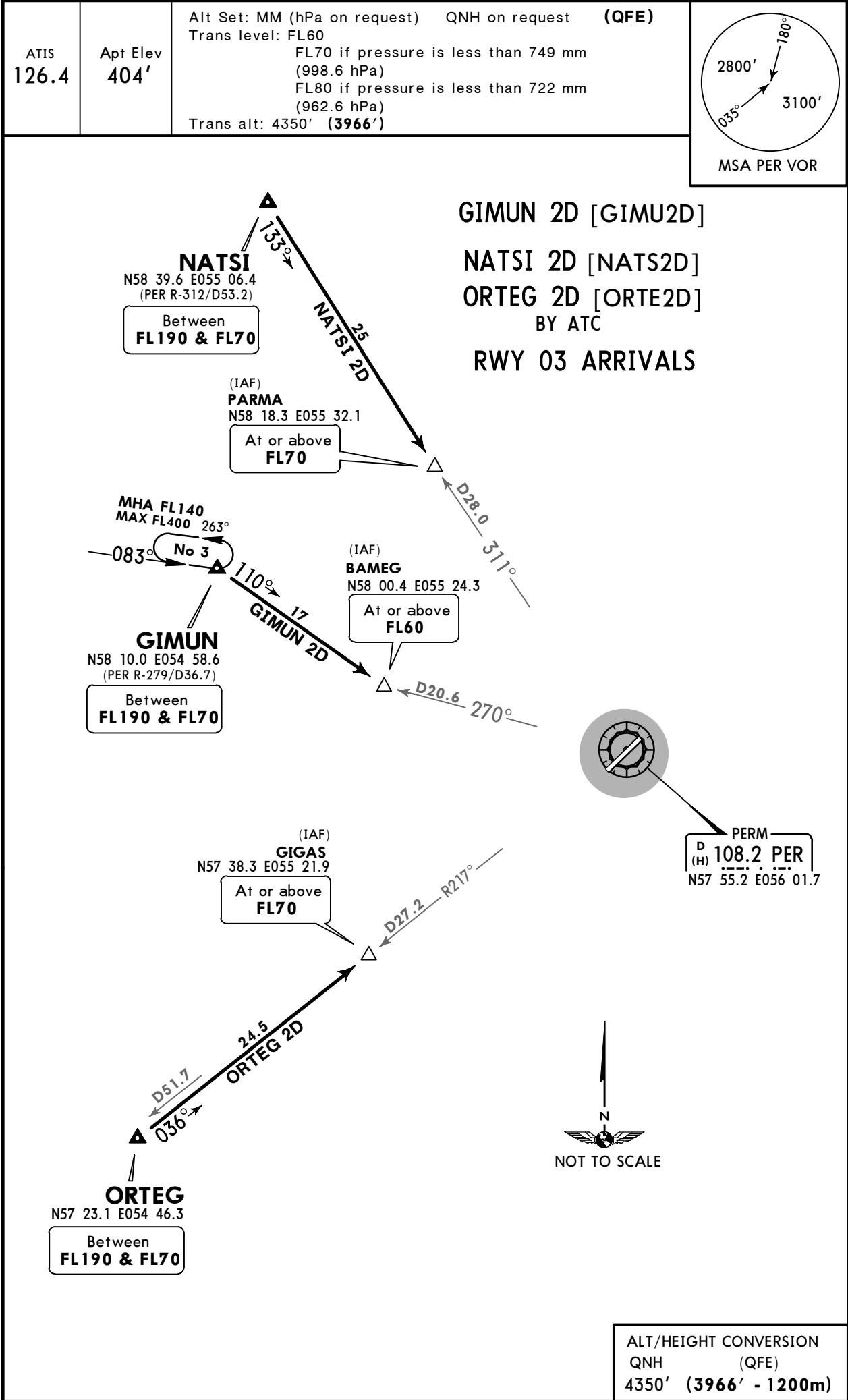
PERM, RUSSIA
STAR



USPP/PEE
BOLSHOE SAVINO

JEPPESEN
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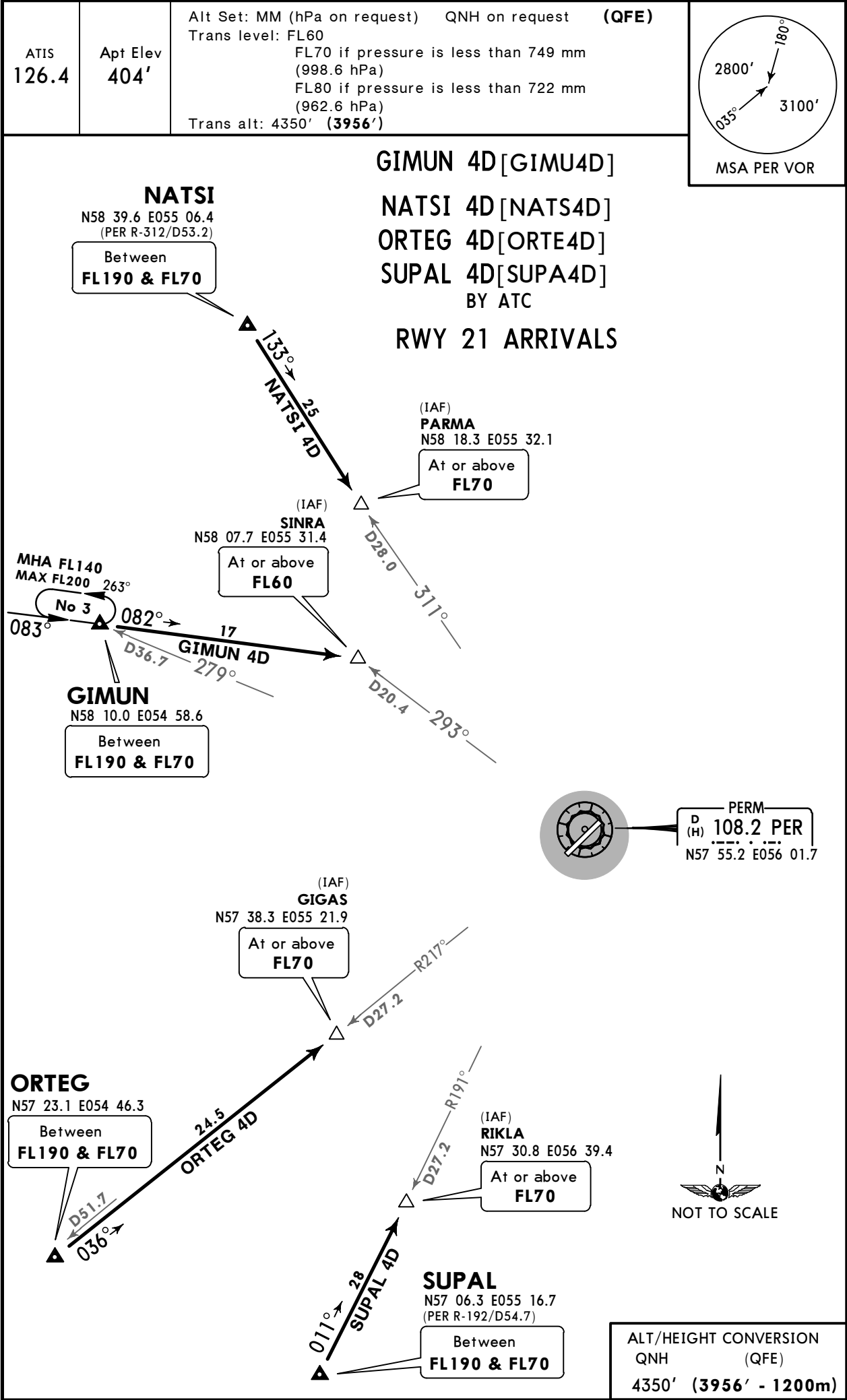
PERM, RUSSIA
STAR



USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-2X6 Eff 17 Sep

PERM, RUSSIA
STAR



PERM, RUSSIA

RNAV SID

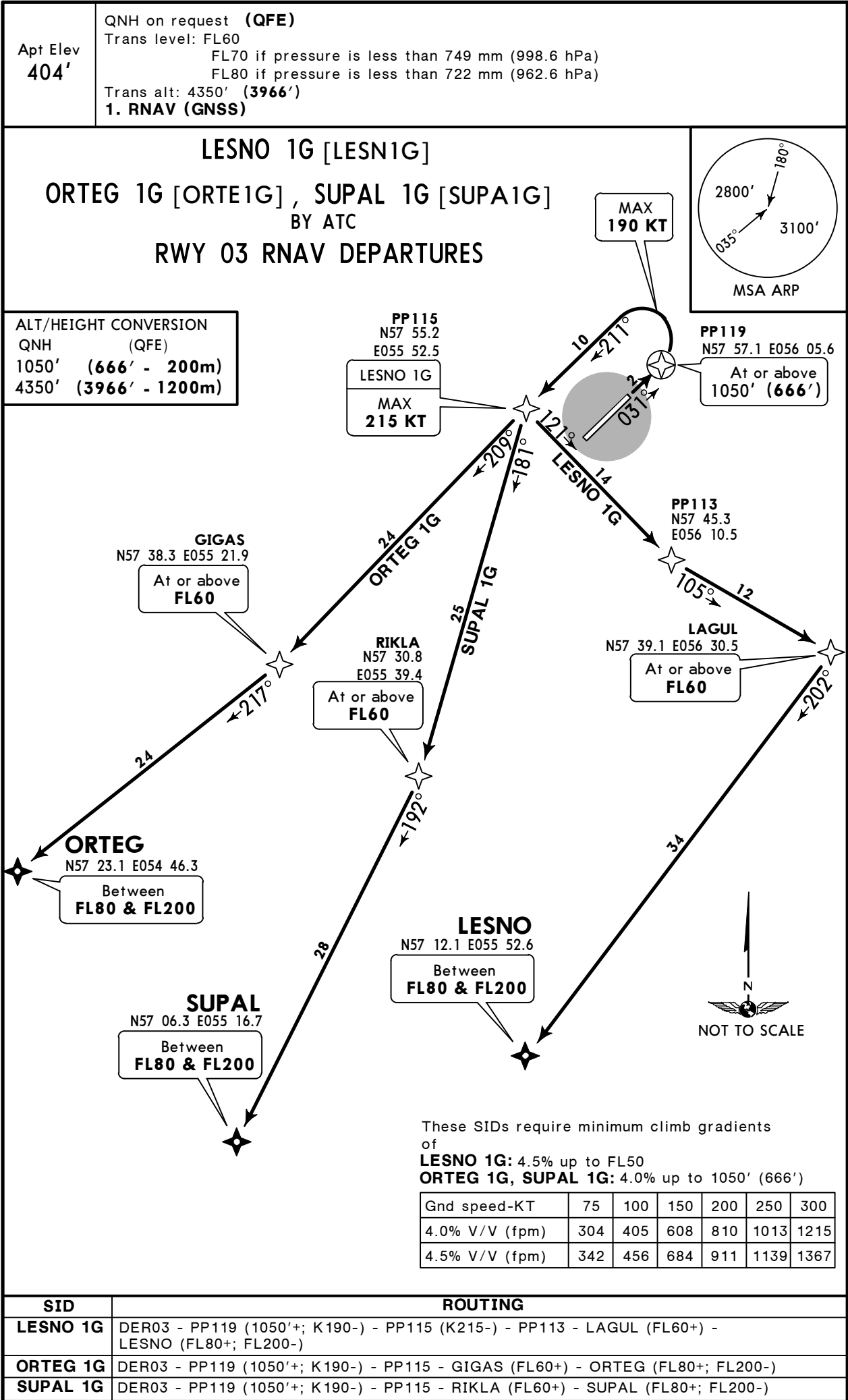
PERM, RUSSIA

RNAV SID

USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-3B Eff 17 Sep

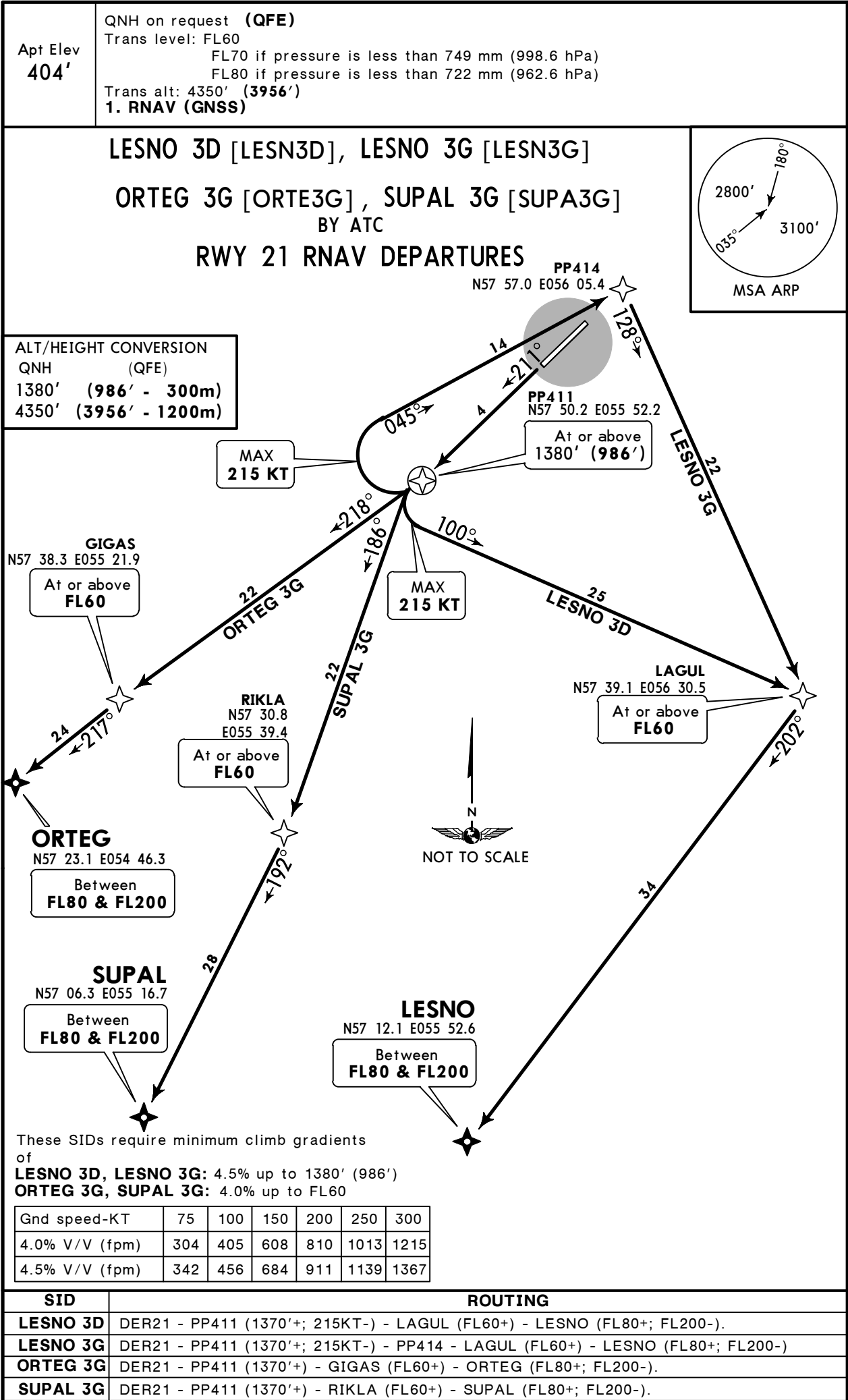
PERM, RUSSIA
RNAV SID



USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-3C Eff 17 Sep

PERM, RUSSIA
RNAV SID



USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 (10-3D) Eff 17 Sep

PERM, RUSSIA

RNAV SID

Apt Elev
404'

QNH on request (QFE)

Trans level: FL60

FL70 if pressure is less than 749 mm (998.6 hPa)

FL80 if pressure is less than 722 mm (962.6 hPa)

Trans alt: 4350' (**3966'**)

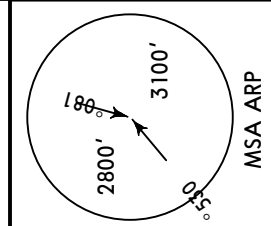
1. RNAV (GNSS)

GIMUN 1G [GIMU1G]

NATSI 1G [NATS1G]

BY ^LATC

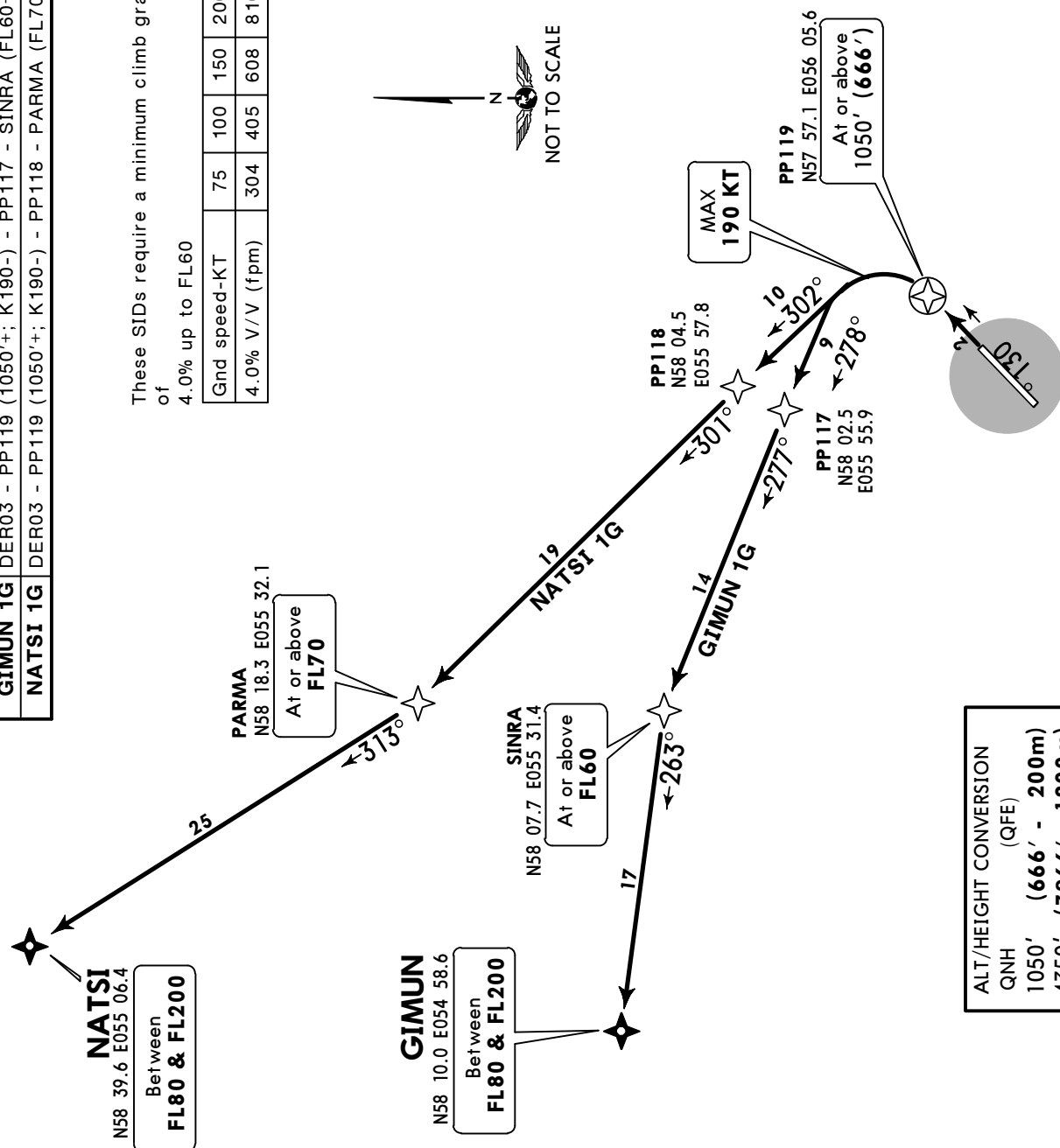
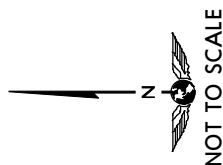
RWY 03 RNAV DEPARTURES



DER03 - PP119 (1050'+; K190-) - PP117 - SINRA (FL60+) - GIMUN (FL80+; FL200-)
GIMUN 1G
DER03 - PP119 (1050'+; K190-) - PP118 - PARMA (FL70+) - NATSI (FL80+; FL200-)
NATSI 1G

These SIDs require a minimum climb gradient of 4.0% up to FL60

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V (fpm)	304	405	608	810	1013	1215

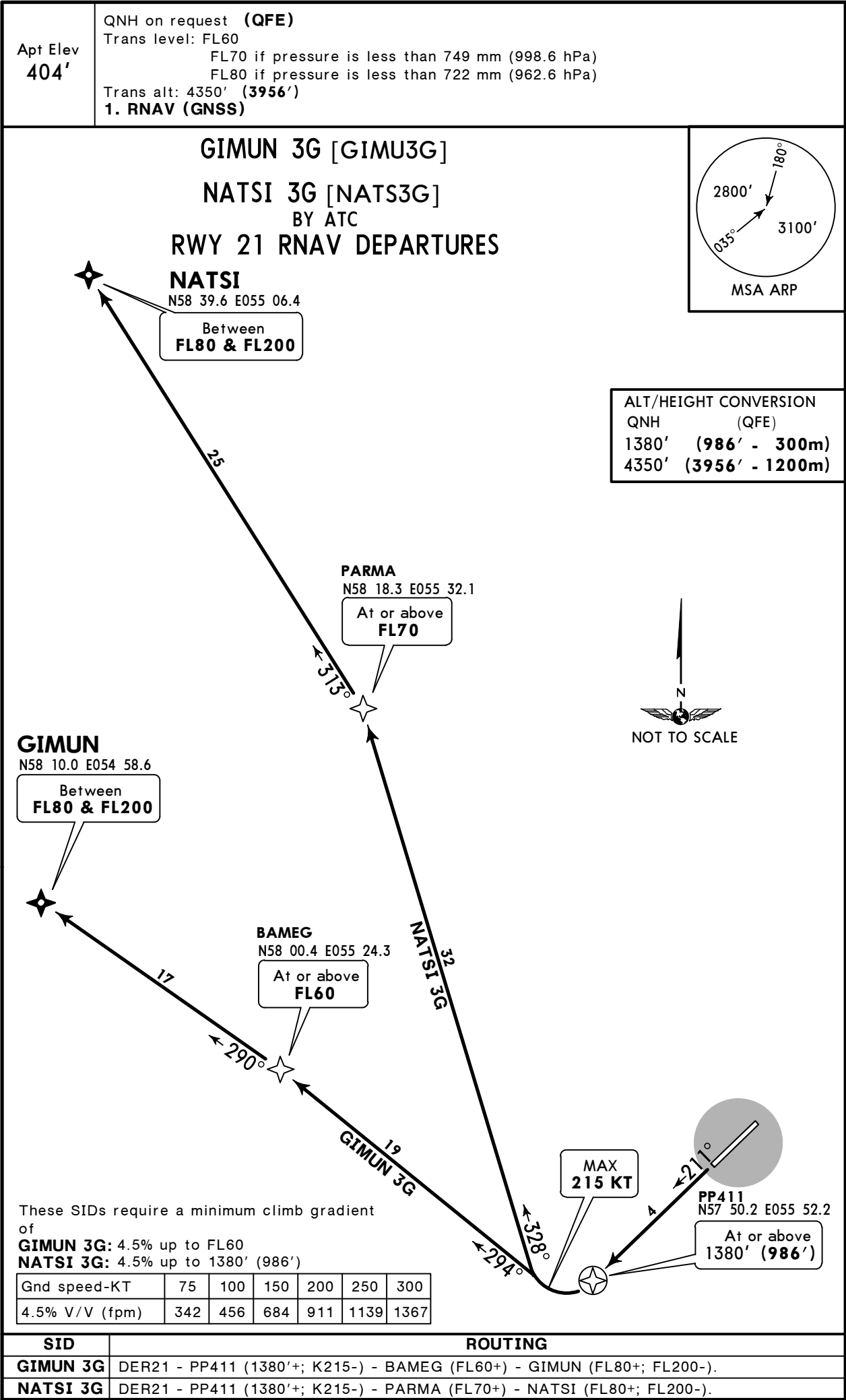


ALT/HEIGHT CONVERSION	QNH	(QFE)
	1050'	(666' - 200m)
	4350'	(3966' - 1200m)

USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-3E Eff 17 Sep

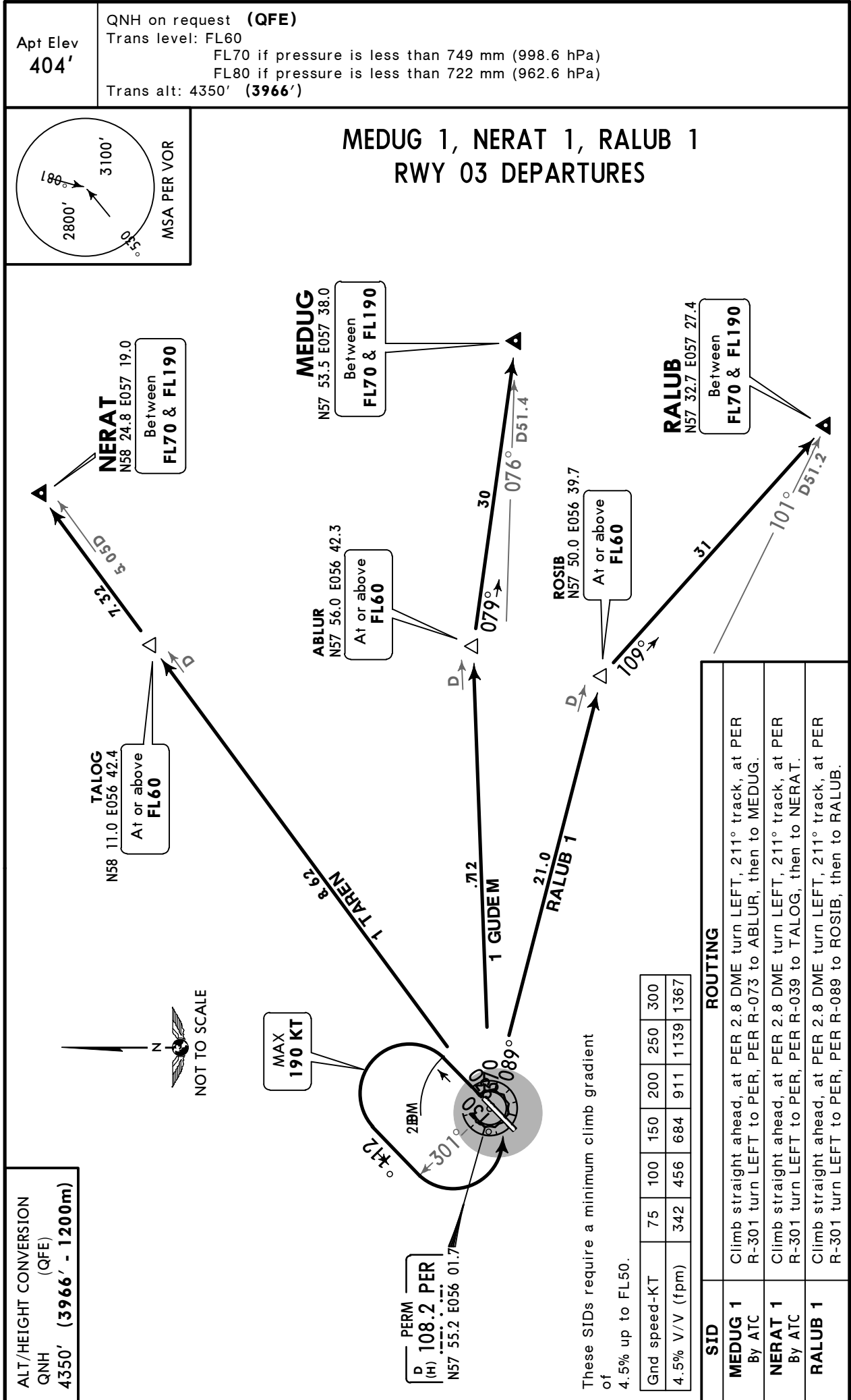
PERM, RUSSIA
RNAV SID



USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-3F Eff 17 Sep

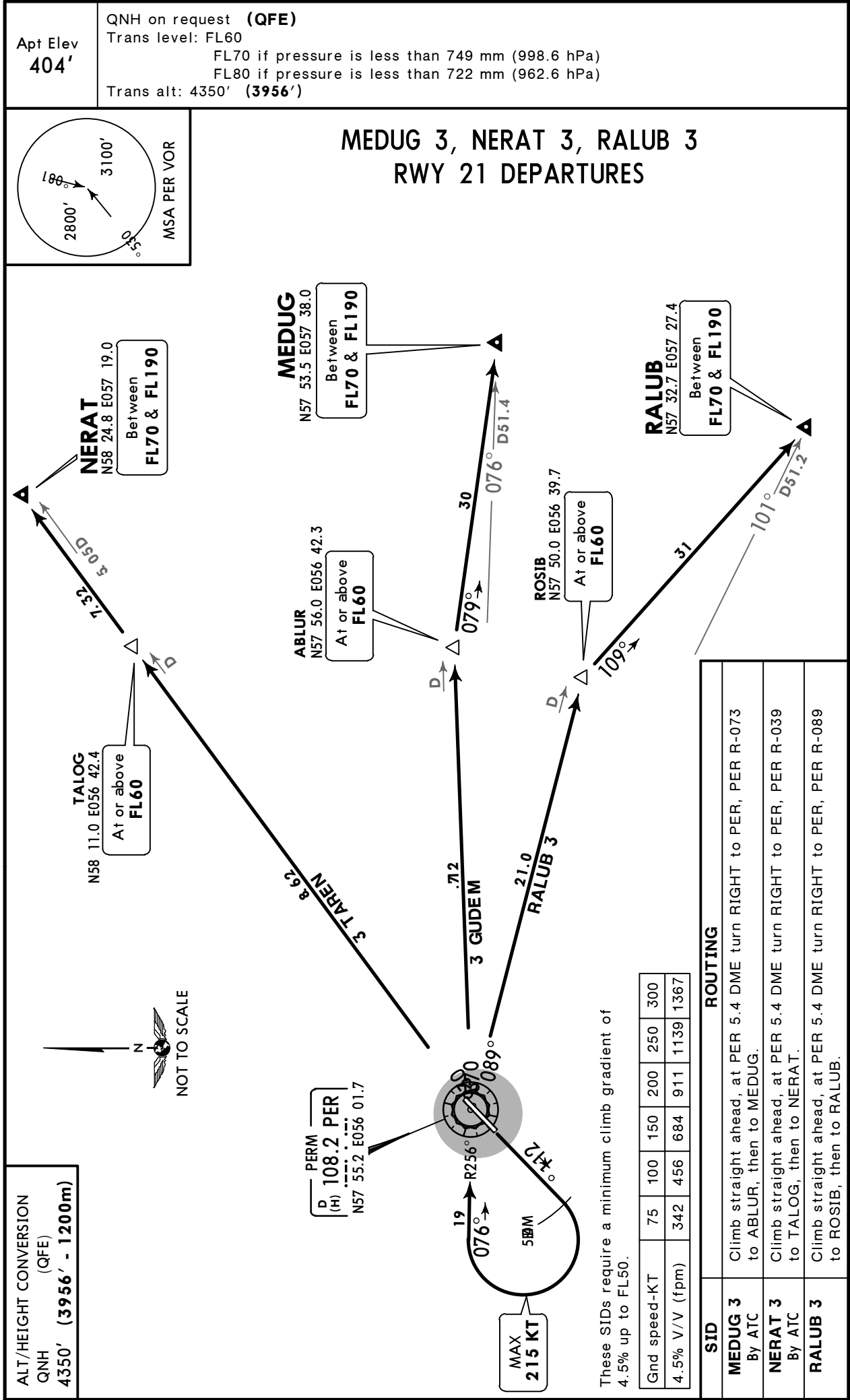
PERM, RUSSIA
SID



USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-3G Eff 17 Sep

PERM, RUSSIA
SID

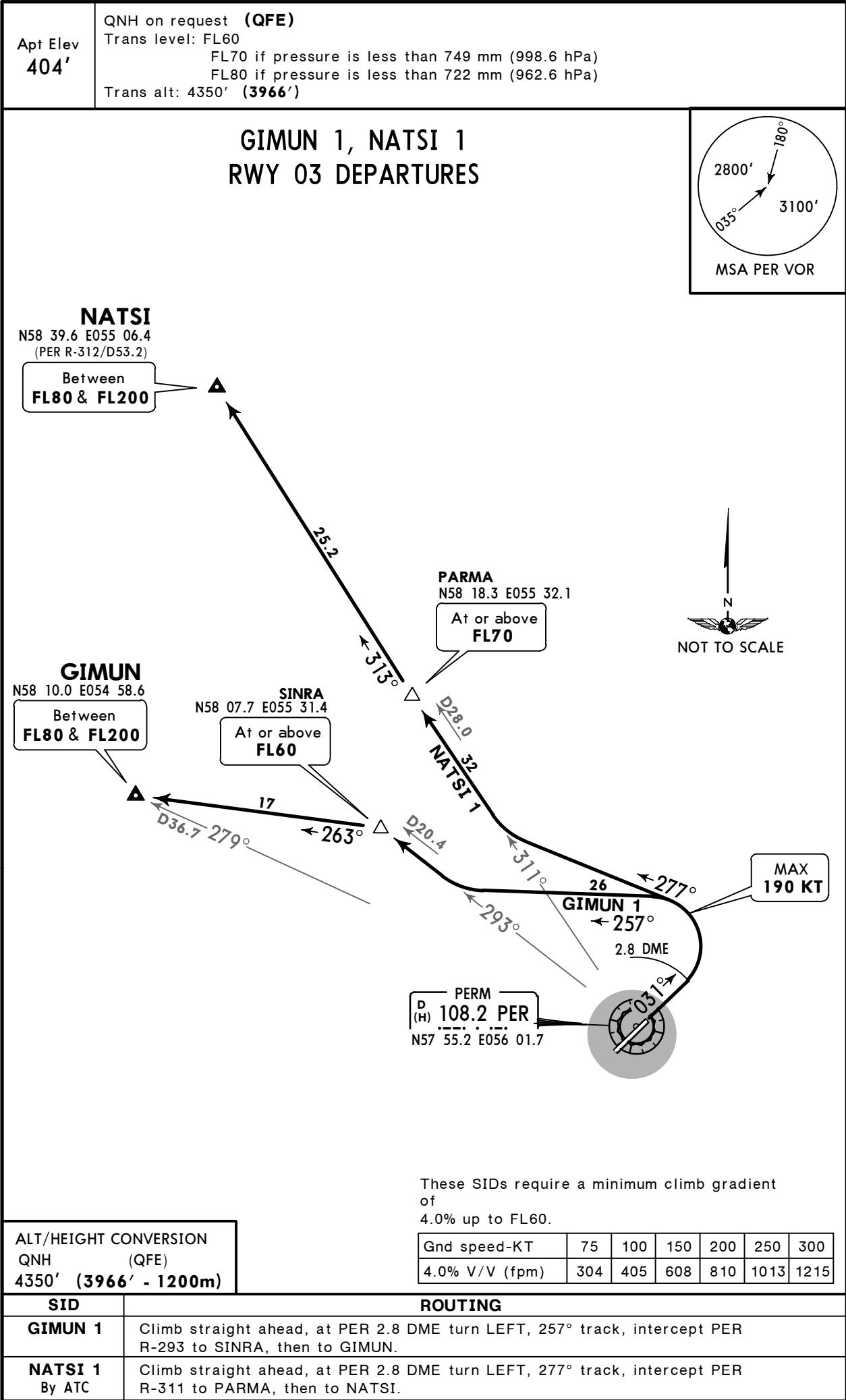


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USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-3K Eff 17 Sep

PERM, RUSSIA
SID

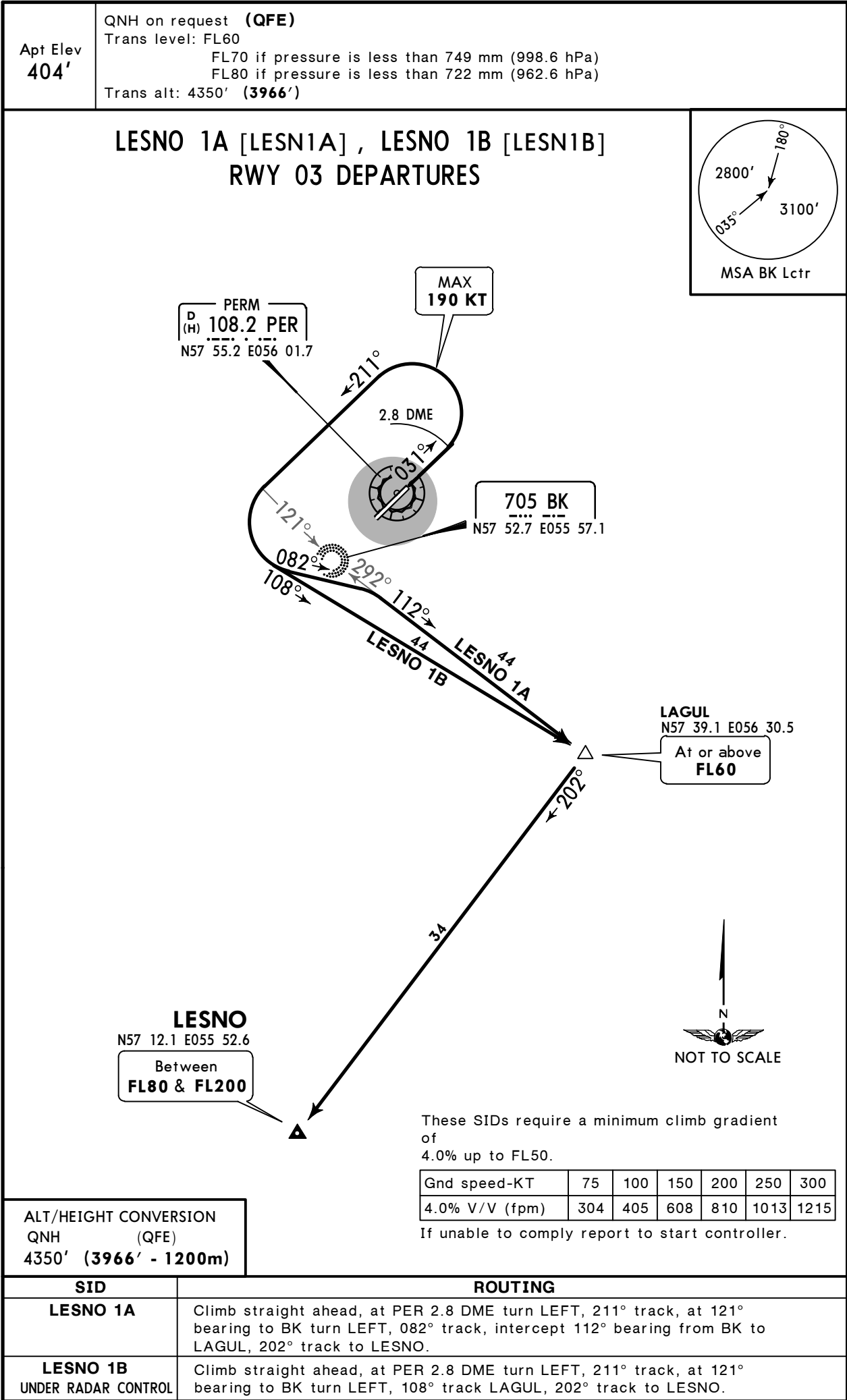


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USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-3P Eff 17 Sep

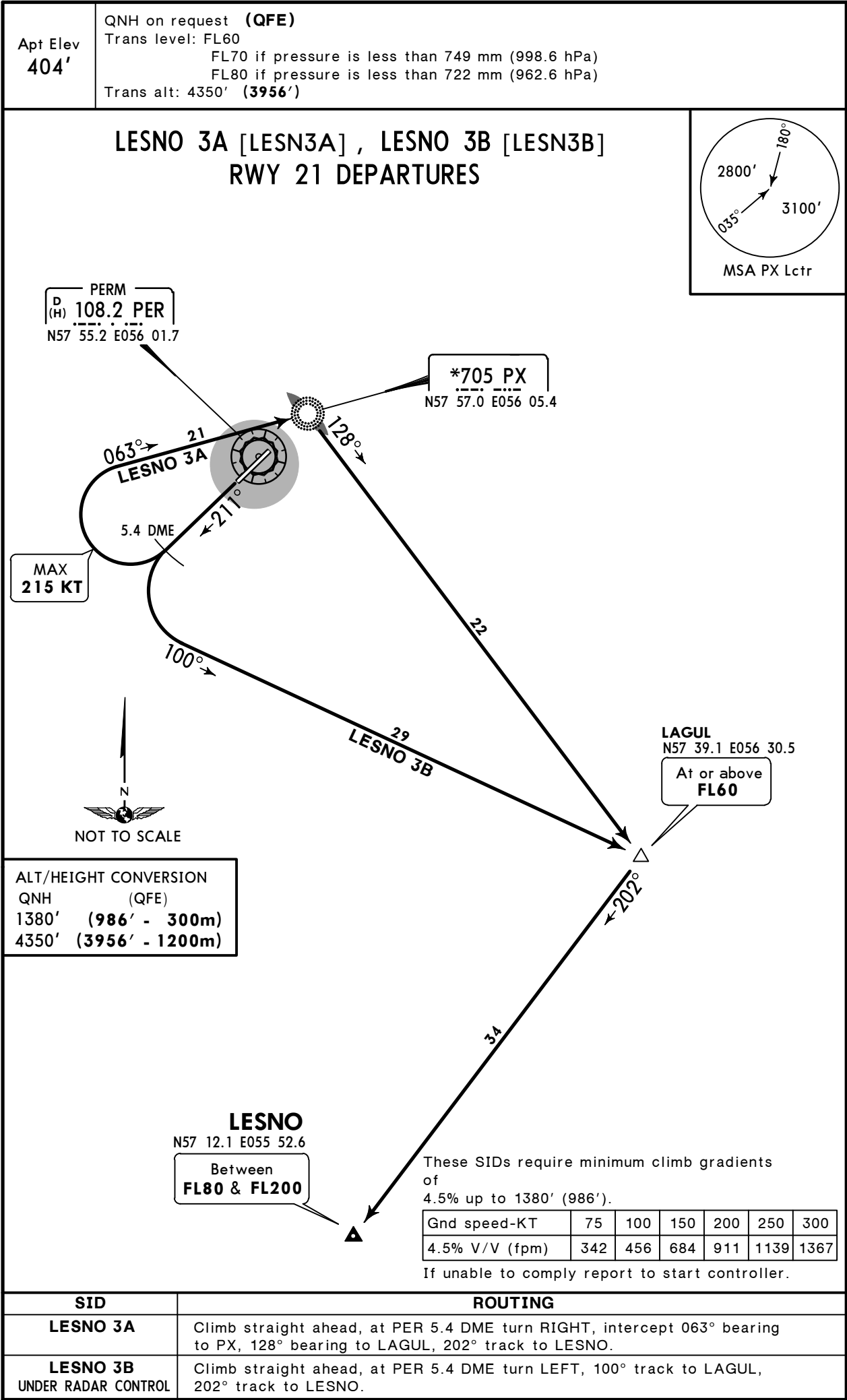
PERM, RUSSIA
SID



USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-3Q Eff 17 Sep

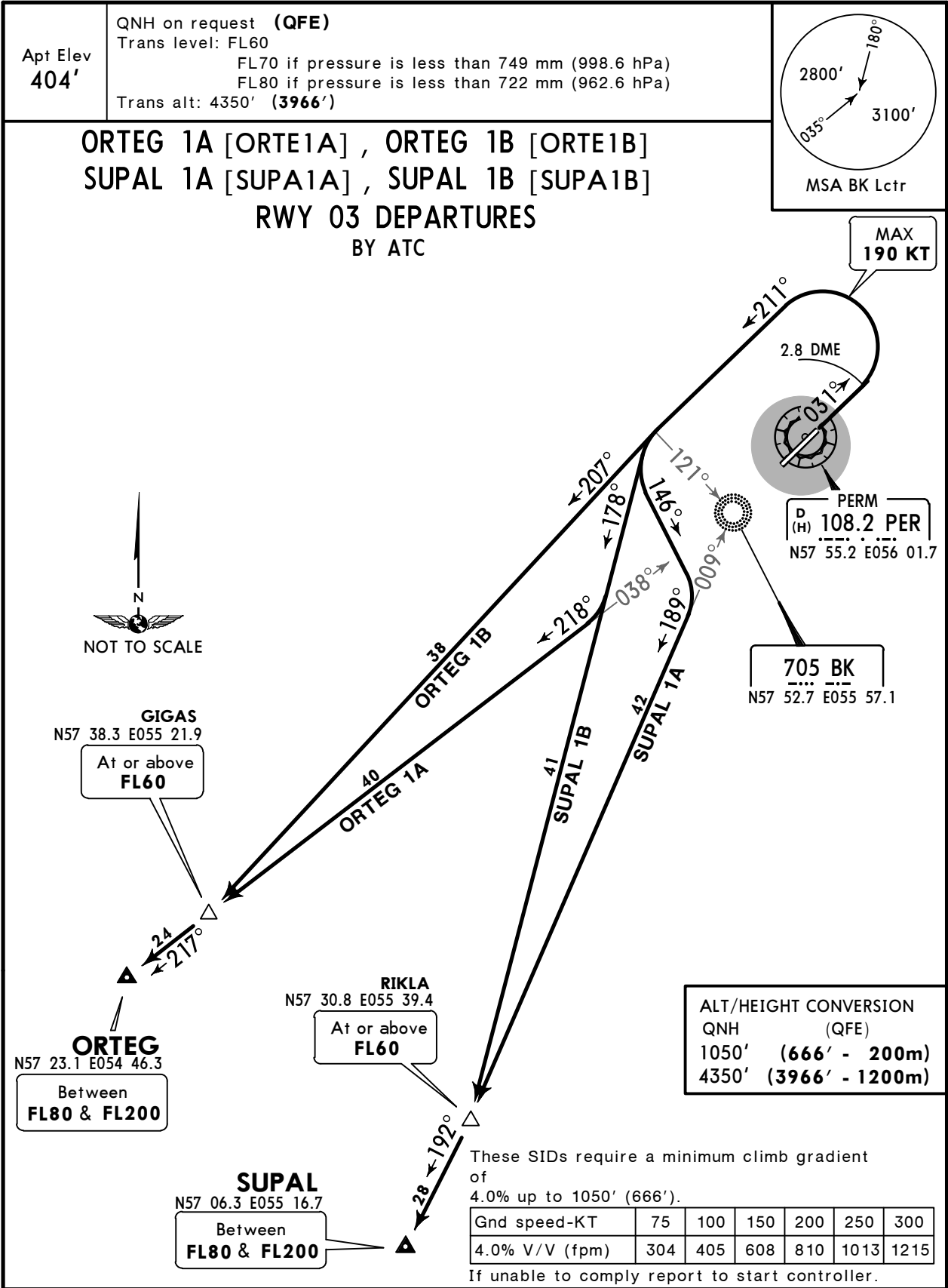
PERM, RUSSIA
SID



USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-3S Eff 17 Sep

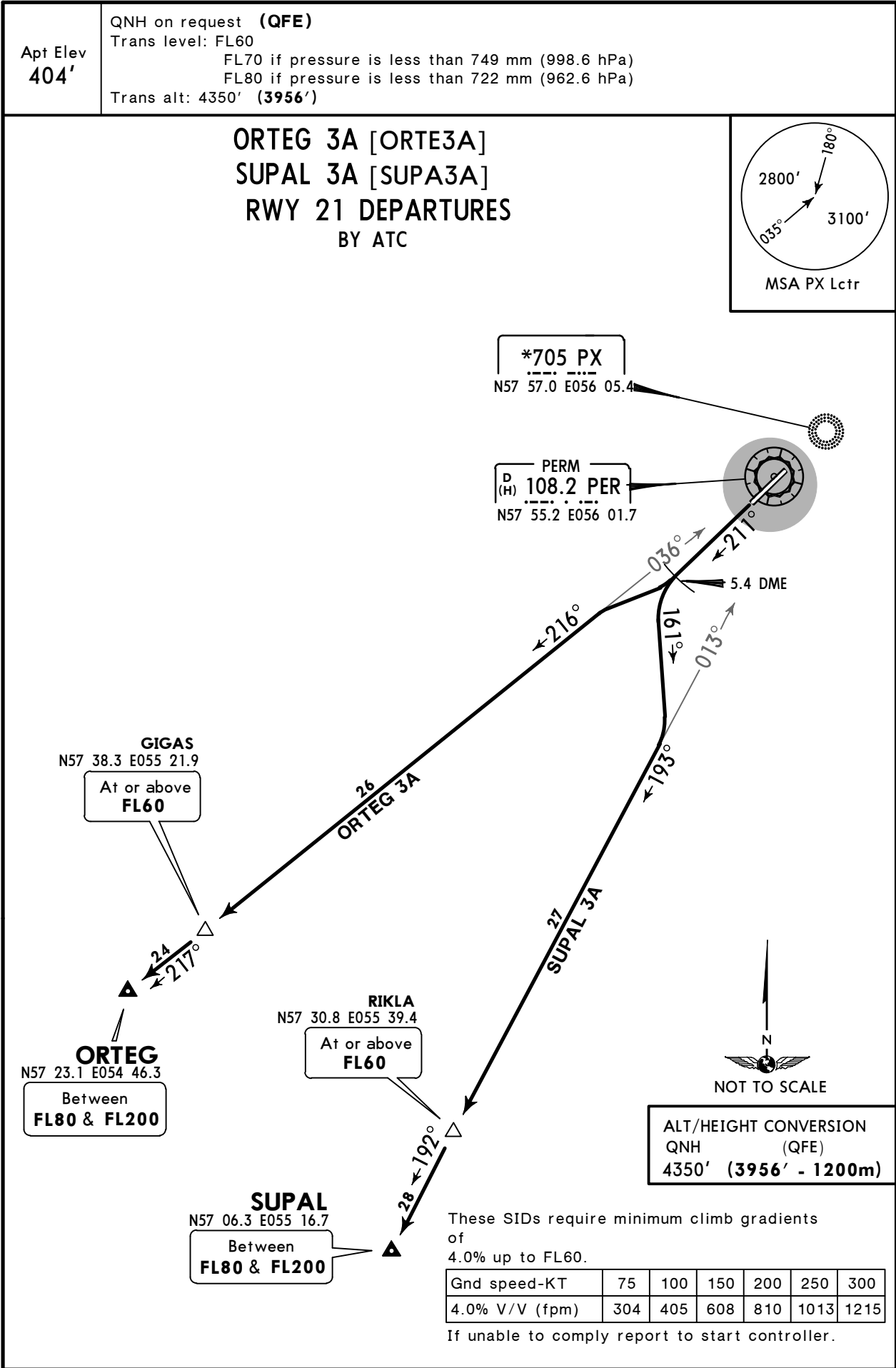
PERM, RUSSIA
SID



USPP/PEE
BOLSHOE SAVINO

JEPPESEN
11 SEP 15 10-3T Eff 17 Sep

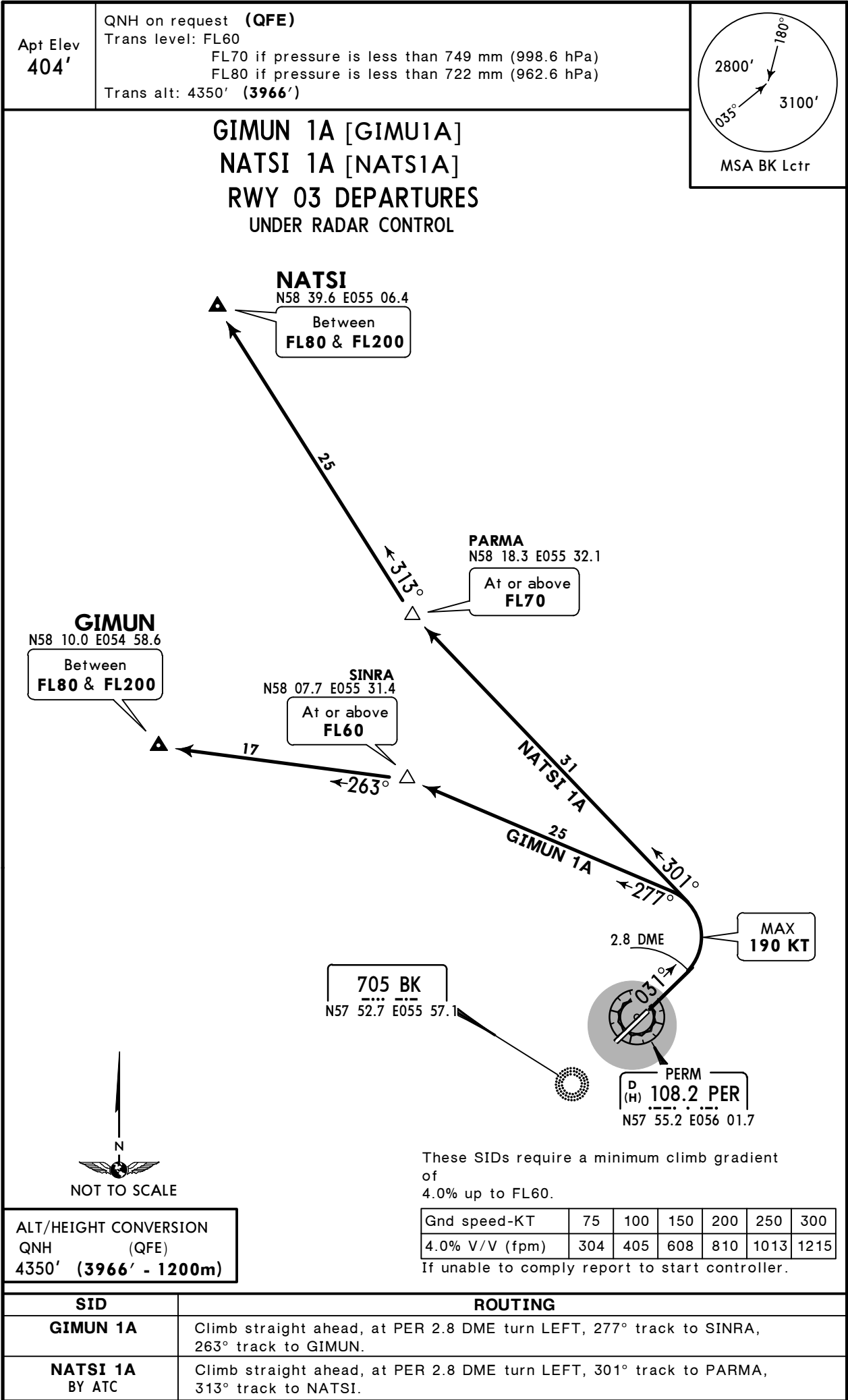
PERM, RUSSIA
SID



USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-3U Eff 17 Sep

PERM, RUSSIA
SID



USPP/PEE
BOLSHOE SAVINO

28 FEB 14

JEPPESEN

10-4

Eff 6 Mar

PERM, RUSSIA
NOISE

NOISE ABATEMENT

DEPARTURES

Noise abatement procedures shall be executed by all ACFT.

If special meteorological conditions are present in arrival and approach sectors, ATS may at its own discretion or by a PIC's request deviate from the provisions given below, if it is necessary for safety reasons.

Flight crews shall use the following special procedure during take-off.

- | | |
|--|---|
| Take-off and climbing to 1880' (1476') | <ul style="list-style-type: none"> - Take-off power; - Take-off flaps and slats; - Landing gear shall be set into en-route position; - $V_2 + 10 - 20$ KT. |
| At 1880' (1476') | <ul style="list-style-type: none"> - Reduce engine power to nominal when maintaining positive rate of climb. |
| Between 1880' (1476') - 3360' (2956') | <ul style="list-style-type: none"> - Maintain engine power; - Wing devices shall be set into take-off or intermediate position according to Flight Manual; - Climb at $V_2 + 10 - 20$ KT taking into account restrictions connected with angle and pitch. |
| At 3360' (2956') | <ul style="list-style-type: none"> - Reduce rate of climb; - Accelerate to speed at which wing devices are set into en-route position; - Wing devices shall be set into phase-by-phase enroute position. |
| Above 3360' (2956') | <ul style="list-style-type: none"> - Further climb at speed recommended by the Flight Manual. |

Restrictions

These procedures are not applied in cases when

- one of the engines failed during take-off phase;
- the runway is dirty and wet;
- visibility is less than 2000m;
- cross-wind component (including gusts) exceeds 8m/sec;
- a tailwind component (including gusts) exceeds 2m/sec;
- when wind shear is forecasted or reported or it is expected that thunderstorms may influence the conditions of take-off and climbing of ACFT.

USPP/PEE

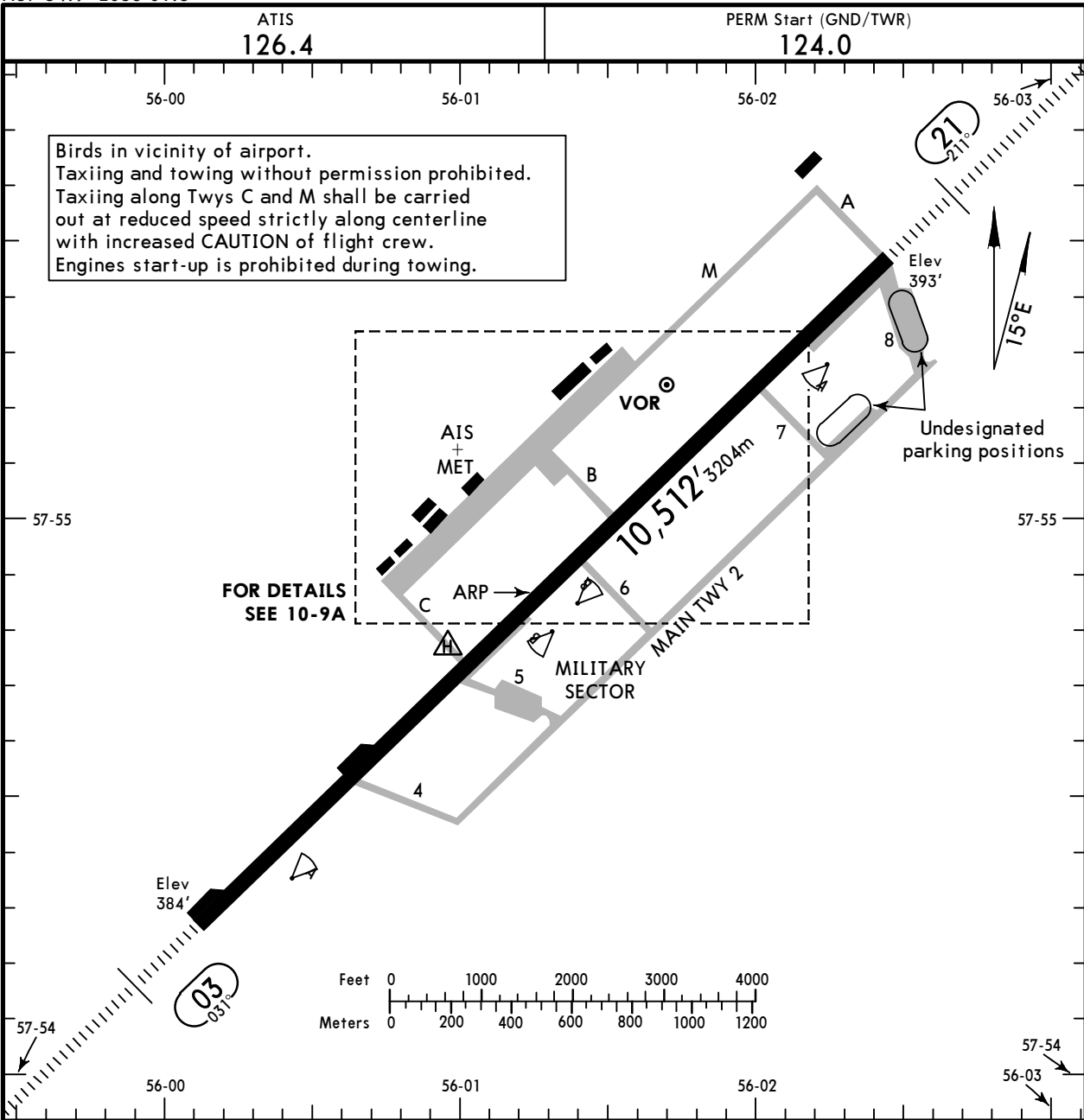
Apt Elev **404'**
N57 54.9 E056 01.3

JEPPesen

7 DEC 18 **(10-9)**

PERM, RUSSIA

BOLSHOE SAVINO



ADDITIONAL RUNWAY INFORMATION							
RWY					USABLE LENGTHS		WIDTH
					LANDING BEYOND	TAKE-OFF	
03 21	HIRL (60m) HIALS PAPI-L (angle 3.0°) RVR				Threshold	Glide Slope	161' 49m
						9479' 2889m	

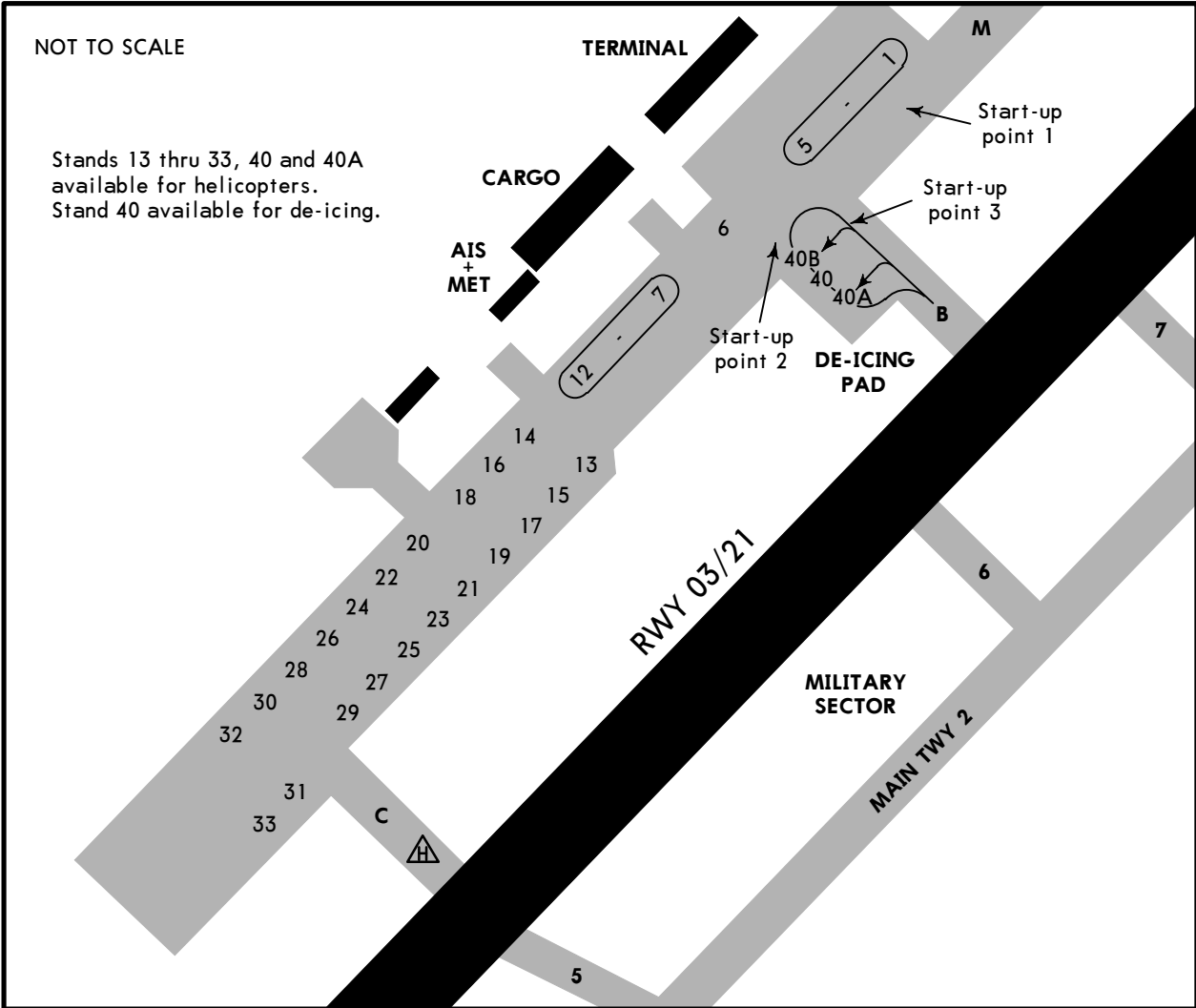
1 TAKE-OFF RUN AVAILABLE			
RWY 03:			
From rwy head	10,512'	(3204m)	
twy C int	6575'	(2004m)	
twy B int	4229'	(1289m)	
RWY 21:			
From rwy head	10,512'	(3204m)	
twy B int	6355'	(1937m)	

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

USPP/PEE

JEPPesen
7 DEC 18 10-9A

PERM, RUSSIA
BOLSHOE SAVINO



INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
1	N57 55.2 E056 01.4	19 thru 21	N57 54.9 E056 00.9
2, 3	N57 55.2 E056 01.3	22	N57 54.9 E056 00.8
4	N57 55.1 E056 01.3	23	N57 54.9 E056 00.9
5 thru 7	N57 55.1 E056 01.2	24 thru 29	N57 54.9 E056 00.8
8, 9	N57 55.1 E056 01.1	30	N57 54.9 E056 00.7
10	N57 55.0 E056 01.1	31	N57 54.8 E056 00.7
11 thru 15	N57 55.0 E056 01.0	32	N57 54.9 E056 00.7
16	N57 55.0 E056 00.9	33	N57 54.8 E056 00.7
17	N57 54.9 E056 01.0	40	N57 55.1 E056 01.3
18	N57 55.0 E056 00.9	40A	N57 55.0 E056 01.3
		40B	N57 55.1 E056 01.3

LOW VISIBILITY PROCEDURES (LVP)

LVP applied when RVR is less than 600m.
The flight crew will be informed via ATIS or ATS unit by phrase: "LVP in progress, check your minimum."

The following is prohibited during LVP:
- take-off not from the runway extremity,
- take-off without stop at line-up position after acft enter the runway.

During take-off, pilot must reprt about take-off execution.
After landing, pilot must report about runway vacaton and about acft position on twy outside ILS critical area.

Follow-me car shall be mandatory used.
Follow-me car shall be used along taxi routes:
- during departure: from start-up point till runway occupation,
- after landing: from runway vacaton till parking on the designated stand.

USPP/PEE


JEPPesen
 11 SEP 15 **10-9S** Eff 17 Sep

Standard
PERM, RUSSIA
BOLSHOE SAVINO

STRAIGHT-IN RWY		A	B	C	D
03	RNAV ①	800'(416') R1200m	800'(416') R1200m	800'(416') R1200m	800'(416') R1200m
	ALS out	R1500m	R1500m	R1900m	R1900m
	VOR ①	760'(376') R1000m	760'(376') R1000m	760'(376') R1000m	760'(376') R1000m
	ALS out	R1500m	R1500m	R1700m	R1700m
	2 NDB ① ②	810'(426') R1300m	810'(426') R1300m	810'(426') R1300m	810'(426') R1300m
	ALS out	R1500m	R1500m	R2000m	R2000m
	2 NDB ③	1620'(1236') C5000m	1620'(1236') C5000m	1620'(1236') C5000m	1620'(1236') C5000m
	BK NDB ① ②	970'(586') R1500m	970'(586') R1500m	970'(586') R2000m	970'(586') R2000m
	ALS out	R1500m	R1500m	C2400m	C2400m
	BK NDB ③	1620'(1236') C5000m	1620'(1236') C5000m	1620'(1236') C5000m	1620'(1236') C5000m
	K NDB ① ②	1020'(636') R1500m	1020'(636') R1500m	1020'(636') C2200m	1020'(636') C2200m
	ALS out	R1500m	R1500m	C2400m	C2400m
	K NDB ③	1620'(1236') C5000m	1620'(1236') C5000m	1620'(1236') C5000m	1620'(1236') C5000m
21	ILS	594'(200') R550m	594'(200') R550m	594'(200') R550m	594'(200') R550m
	FULL	R750m	R750m	R750m	R750m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	RNAV ①	730'(336') R800m	730'(336') R800m	730'(336') R800m	730'(336') R800m
	ALS out	R1500m	R1500m	R1500m	R1500m
	VOR ①	730'(336') R800m	730'(336') R800m	730'(336') R800m	730'(336') R800m
	ALS out	R1500m	R1500m	R1500m	R1500m
	2 NDB ① ②	750'(356') R900m	750'(356') R900m	750'(356') R900m	750'(356') R900m
	ALS out	R1500m	R1500m	R1600m	R1600m
	2 NDB ③	1930'(1536') C5000m	1930'(1536') C5000m	1930'(1536') C5000m	1930'(1536') C5000m
	PX NDB ① ②	970'(576') R1500m	970'(576') R1500m	970'(576') R1900m	970'(576') R1900m
	ALS out	R1500m	R1500m	C2400m	C2400m
	PX NDB ③	1930'(1536') C5000m	1930'(1536') C5000m	1930'(1536') C5000m	1930'(1536') C5000m
	X NDB ① ②	1010'(616') R1500m	1010'(616') R1500m	1010'(616') C2100m	1010'(616') C2100m
	ALS out	R1500m	R1500m	C2400m	C2400m
	X NDB ③	1930'(1536') C5000m	1930'(1536') C5000m	1930'(1536') C5000m	1930'(1536') C5000m

① Continuous Descent Final Approach.

② with FAF.

③ w/o FAF.

USPP/PEE

JEPPESEN

11 SEP 15

10-9SI

Eff 17 Sep

Standard

PERM, RUSSIA

BOLSHOE SAVINO

TAKE-OFF RWY 03, 21

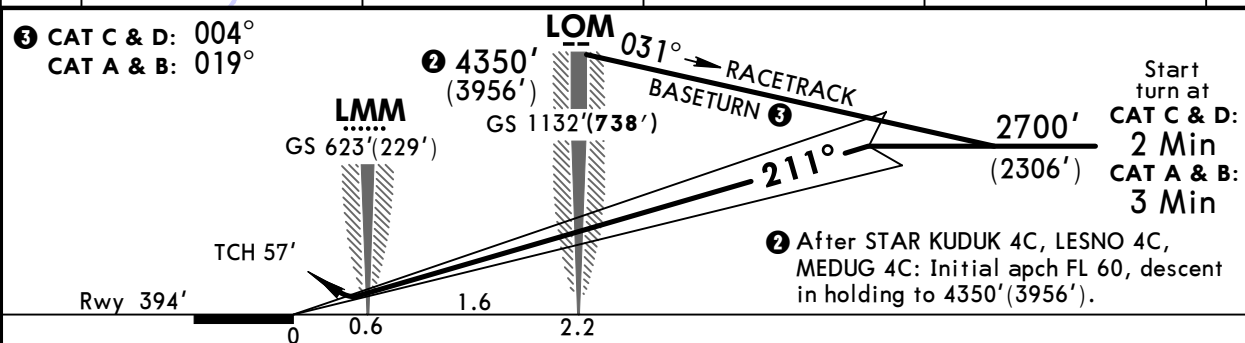
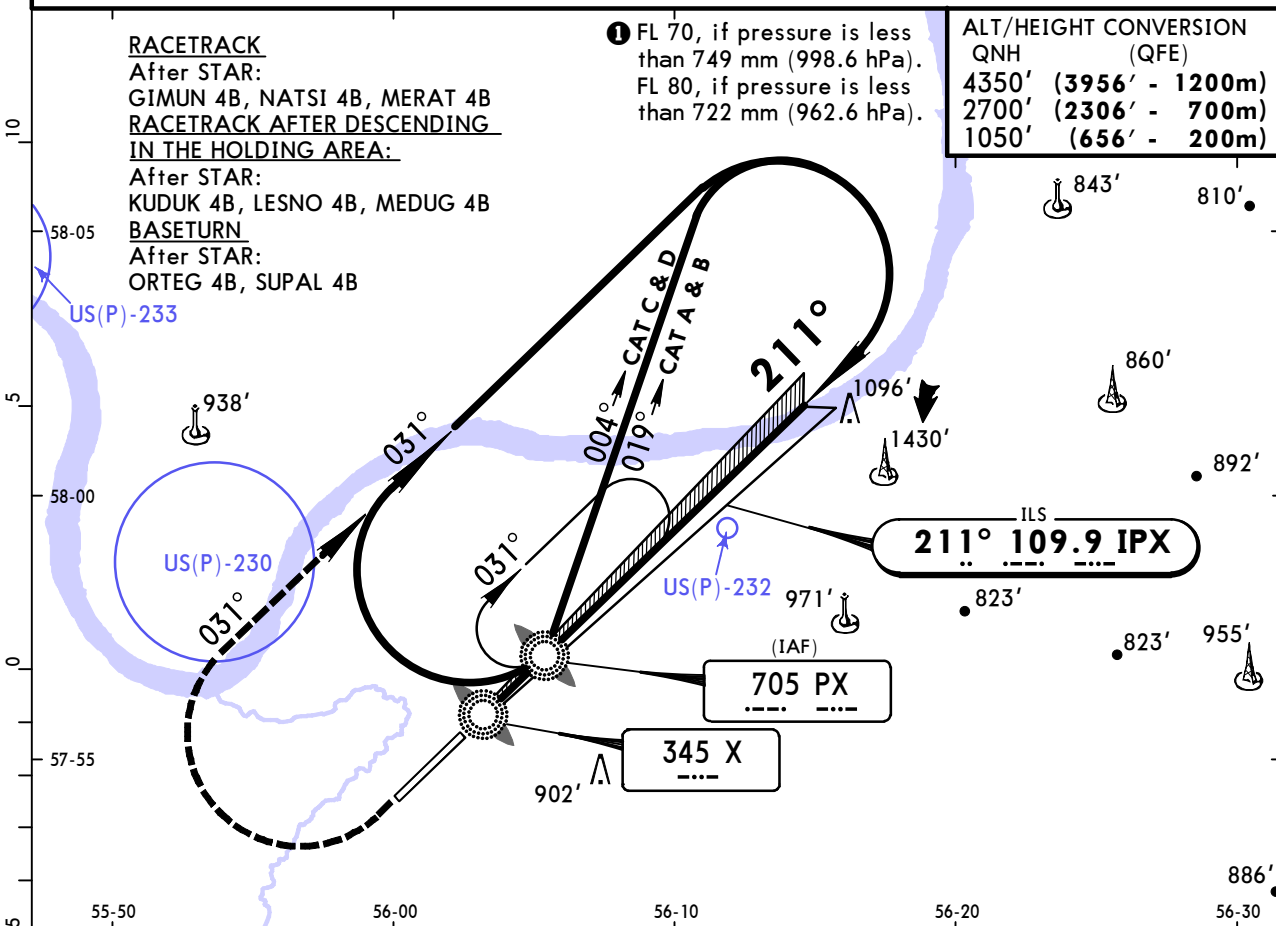
LVP must be in Force			
RCLM (DAY only) or RL		RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

USPP/PEE
BOLSHOE SAVINO

JEPPesen
22 MAR 19 **11-1** Eff 28 Mar

PERM, RUSSIA
ILS Z Rwy 21

ATIS	PERM Approach	PERM Radar (TWR)	Ground
126.4	127.1	121.7	124.0
LOC IPX	Final Apch Crs	GS LOM	ILS DA(H)
109.9	211°	1132' (738')	594' (200')
MISSED APCH: Climb STRAIGHT AHEAD to 1050' (656'), then turn RIGHT onto 031° climbing to 2700' (2306'), then as directed.			Apt Elev 404' Rwy 394'
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 ① Trans alt: 4350' (3956')			MSA PX NDB
Procedure restricted to MAX 225 KT.			



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1050' (656')	031°	2700' (2306')
GS	3.00°	372	478	531	637	743	849	PAPI	RT	

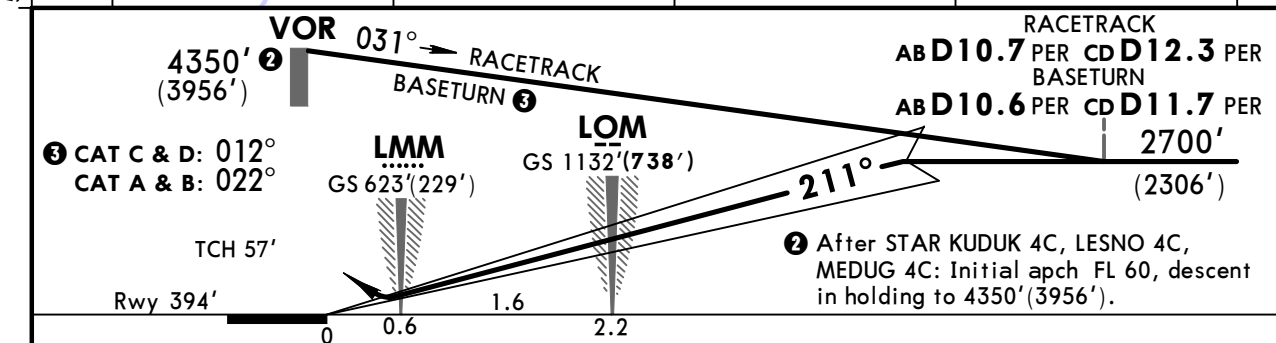
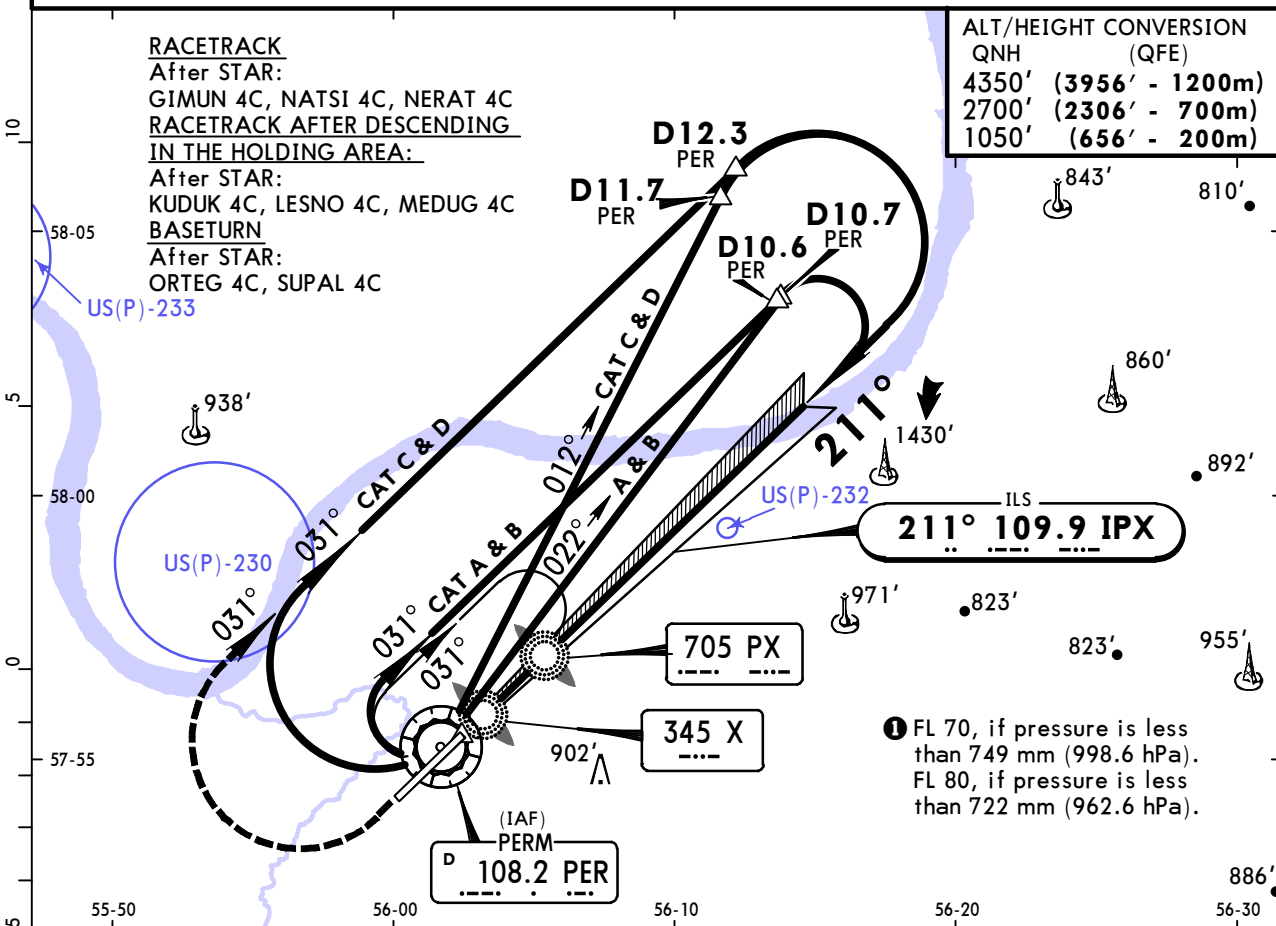
STRAIGHT-IN LANDING RWY 21			
ILS		LOC (GS out)	
DA(H) 594' (200')			
FULL		ALS out	
A			
B			
C	RVR 720m VIS 800m	1200m	NOT AUTHORIZED
D			

USPP/PEE
BOLSHOE SAVINO

JEPPesen
22 MAR 19 **11-2** Eff 28 Mar

PERM, RUSSIA
ILS Y Rwy 21

ATIS	PERM Approach	PERM Radar (TWR)	Ground
126.4	127.1	121.7	124.0
LOC IPX	Final Apch Crs	GS LOM	ILS DA(H)
109.9	211°	1132' (738')	594' (200')
MISSED APCH: Climb STRAIGHT AHEAD to 1050' (656'), then turn RIGHT onto 031° climbing to 2700' (2306'), then as directed.			Apt Elev 404' Rwy 394'
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 ① Trans alt: 4350' (3956')			MSA PER VOR
Procedure restricted to MAX 225 KT.			



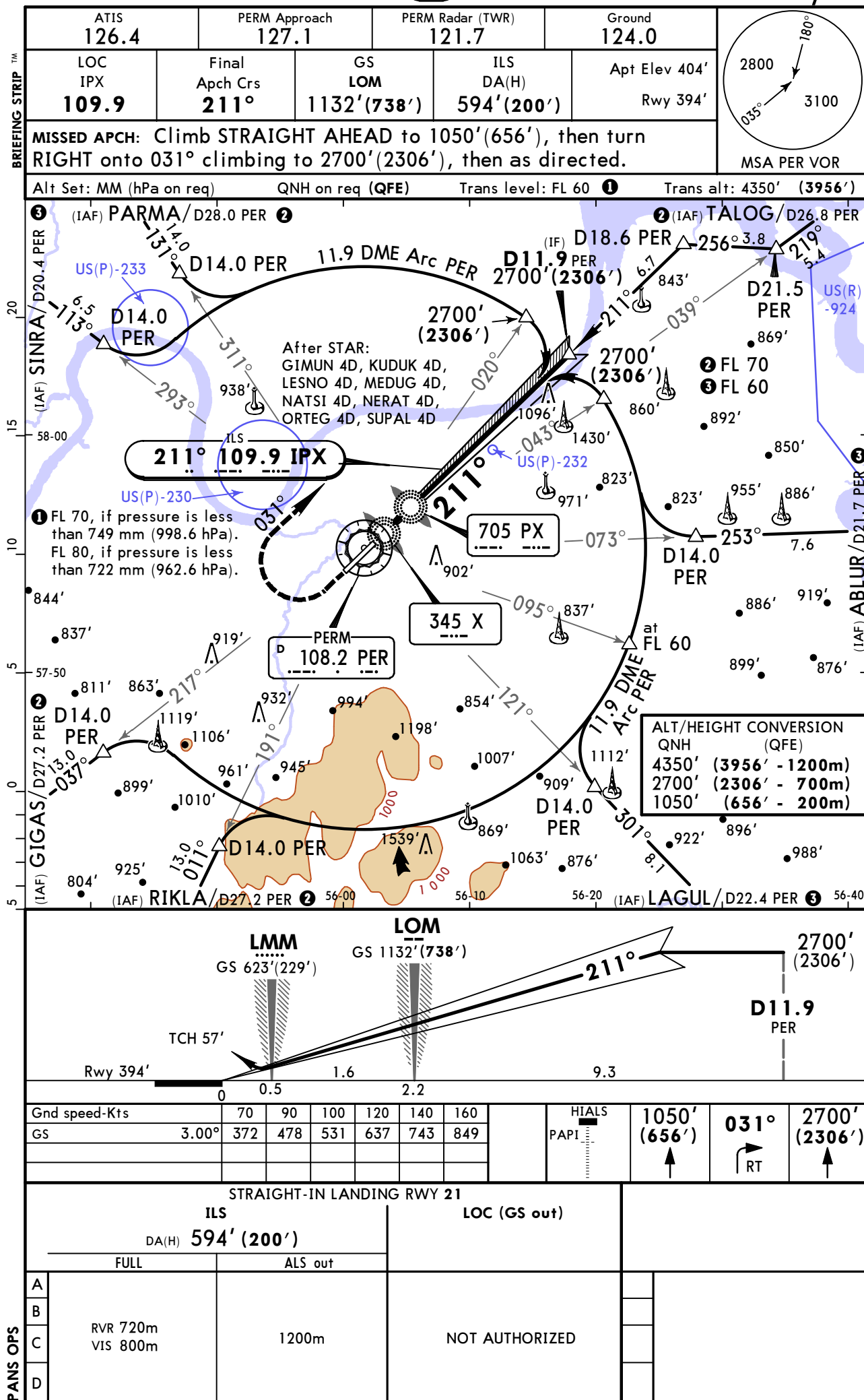
Gnd speed-Kts	70	90	100	120	140	160	HIALS	1050' (656')	031°	2700' (2306')
GS	3.00°	372	478	531	637	743	PAPI	↑	RT	↑

STRAIGHT-IN LANDING RWY 21			
ILS		LOC (GS out)	
DA(H) 594' (200')			
FULL		ALS out	
A			
B			
C	RVR 720m VIS 800m	1200m	NOT AUTHORIZED
D			

USPP/PEE BOLSHOE SAVINO

22 MAR 19 **11-3** Eff 28 Mar

PERM, RUSSIA
ILS X Rwy 21

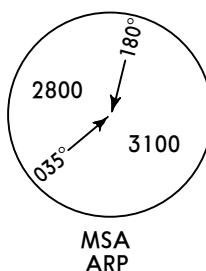


USPP/PEE
BOLSHOE SAVINO

JEPPESEN
22 MAR 19 (12-1) Eff 28 Mar

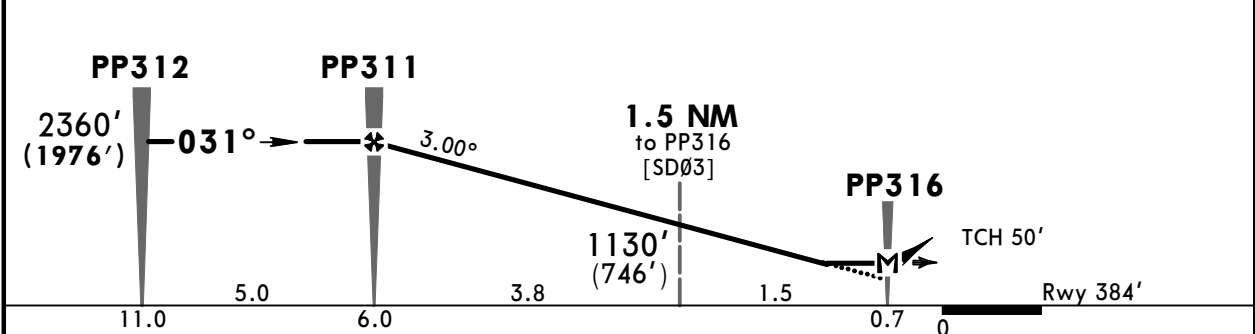
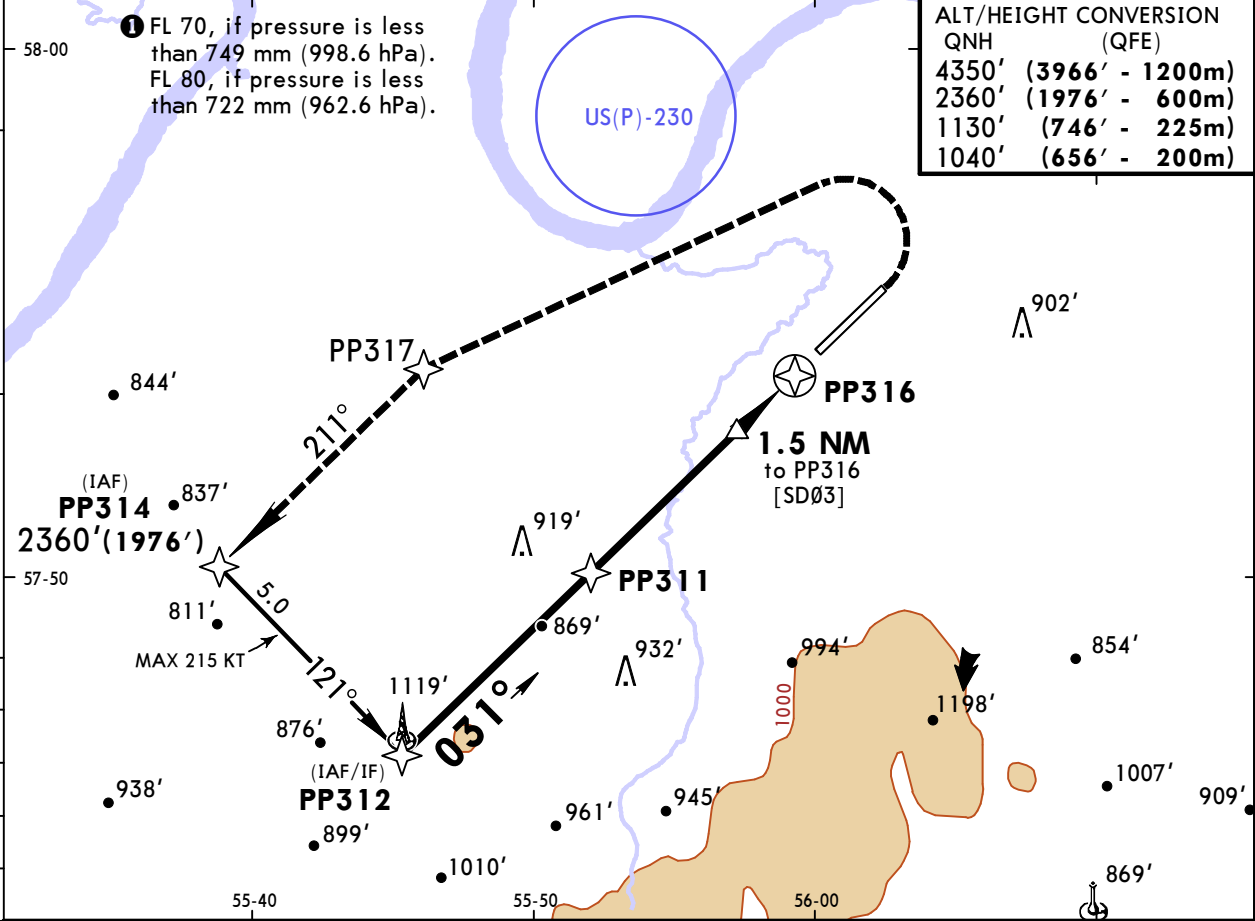
PERM, RUSSIA
RNAV (GNSS) Rwy 03

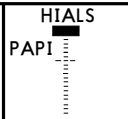
ATIS 126.4		PERM Approach 127.1		PERM Radar (TWR) 121.7		Ground 124.0			
RNAV		Final Apch Crs 031°		Minimum Alt PP311 2360'(1976')		MDA(H) 800'(416')		Apt Elev 404' Rwy 384'	
MISSED APCH: Climb STRAIGHT AHEAD to 1040'(656'), then turn LEFT to PP317, then proceed to PP314 climbing to 2360'(1976'), then as directed.									



MSA
ARP

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 1 Trans alt: 4350' (3966')



Gnd speed-Kts	70	90	100	120	140	160		1040' (656')	PP317
Descent Angle	3.00°	372	478	531	637	849		↑	LT
MAP at PP316									

STRAIGHT-IN LANDING RWY 03							
MDA(H) 800' (416')							
				ALS out			
A	RVR 720m VIS 800m		RVR 1500m VIS 1600m				
B							
C	1200m		RVR 1800m VIS 2000m				
D	RVR 1500m VIS 1600m						

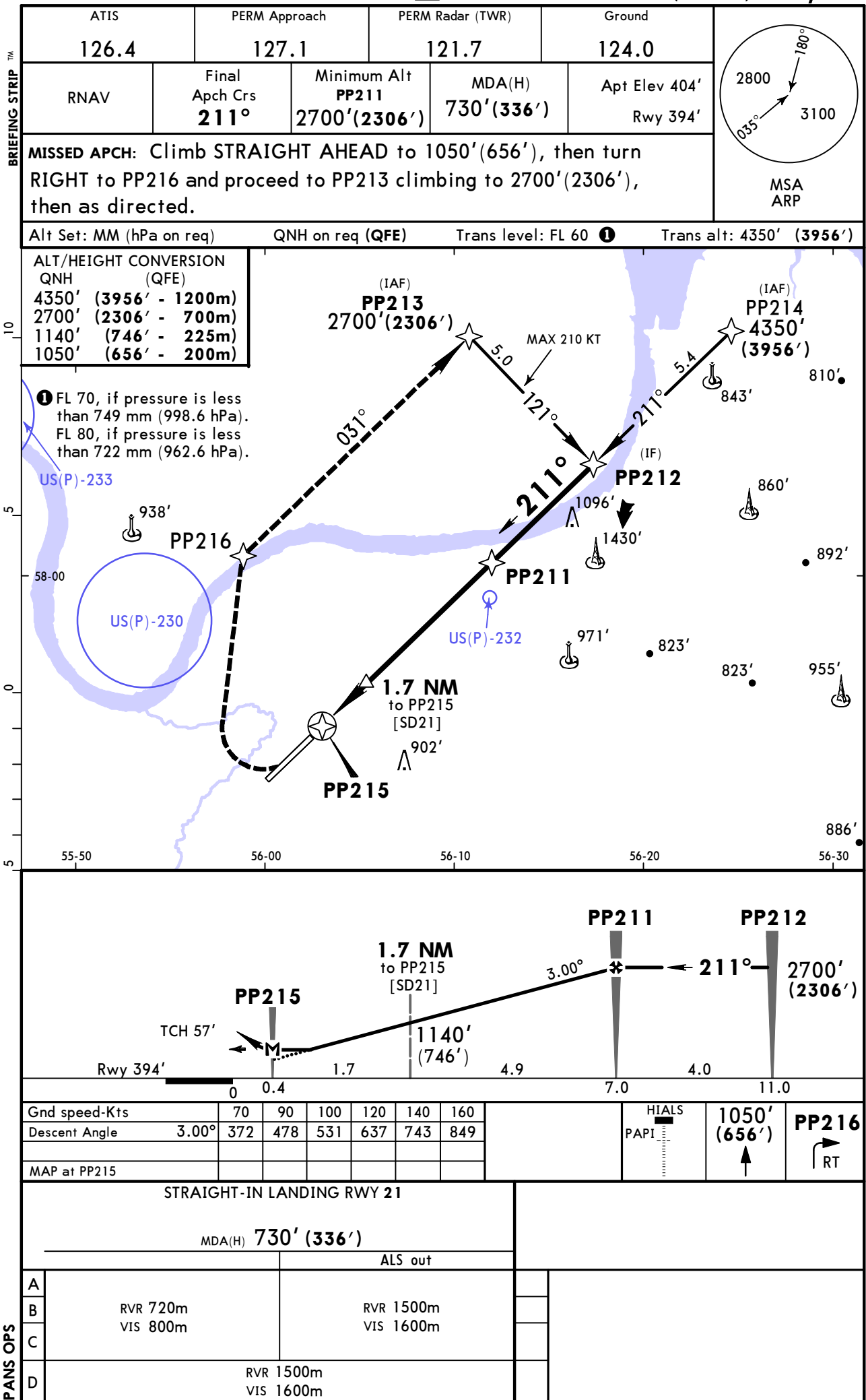
CHANGES: Radar frequency.

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USPP/PEE
BOLSHOE SAVINO

JEPPesen
22 MAR 19 12-2 Eff 28 Mar

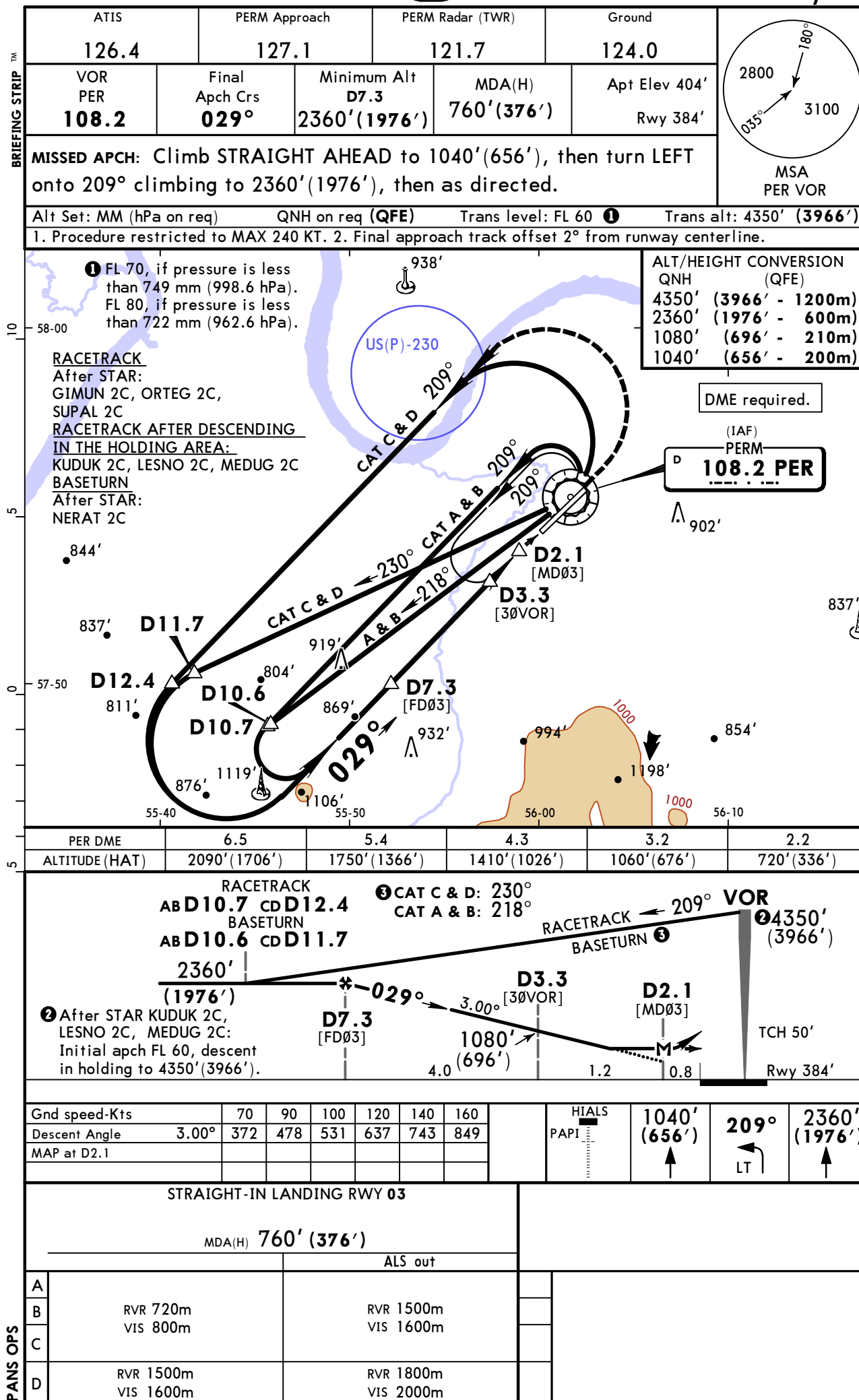
PERM, RUSSIA
RNAV (GNSS) Rwy 21



USPP/PEE
BOLSHOE SAVINO

JEPPESEN
22 MAR 19 **(13-1)** **Eff 28 Mar**

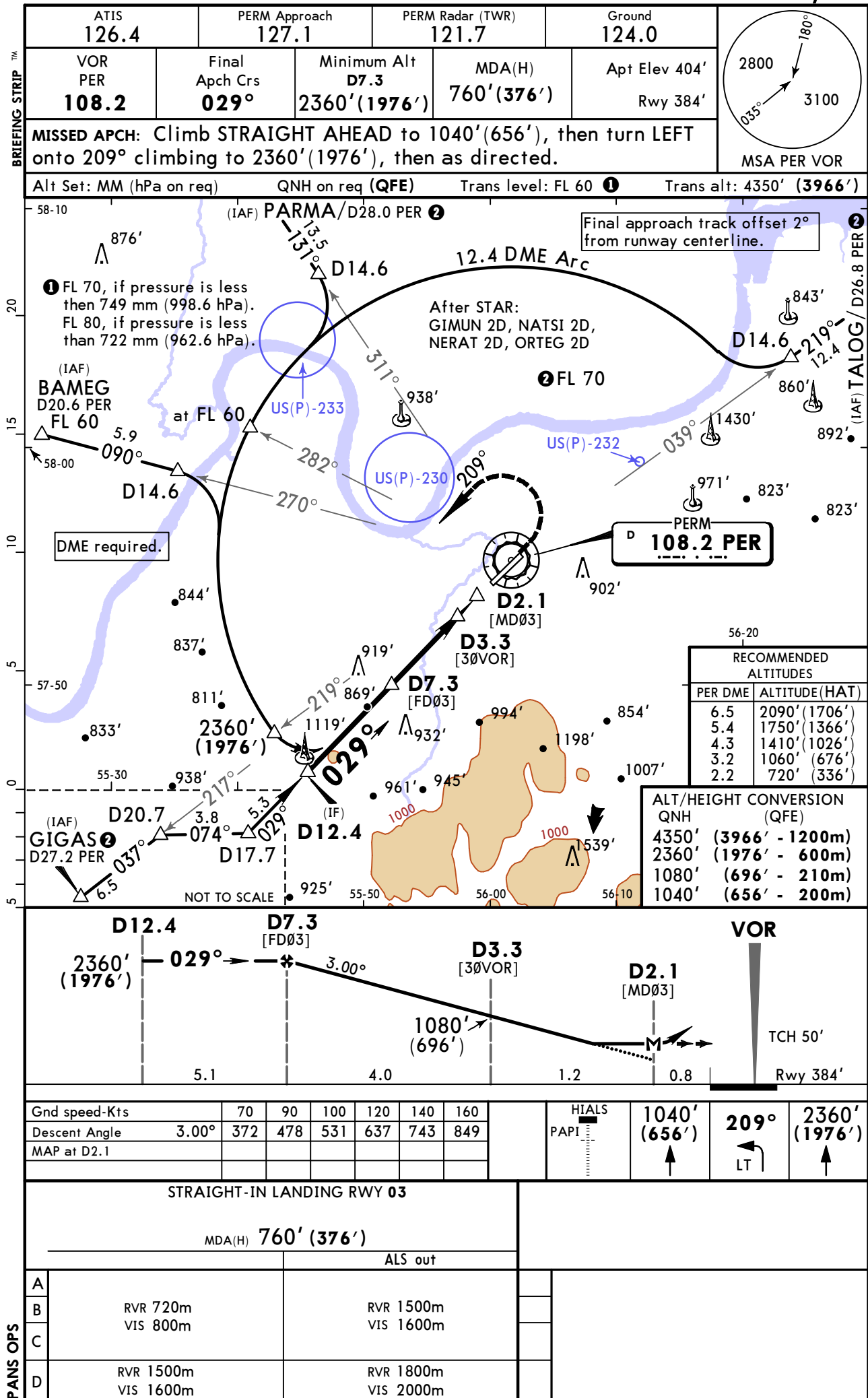
PERM, RUSSIA
VOR Z Rwy 03



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BOLSHOE SAVINO

JEPPESEN
22 MAR 19 **13-2** Eff 28 Mar

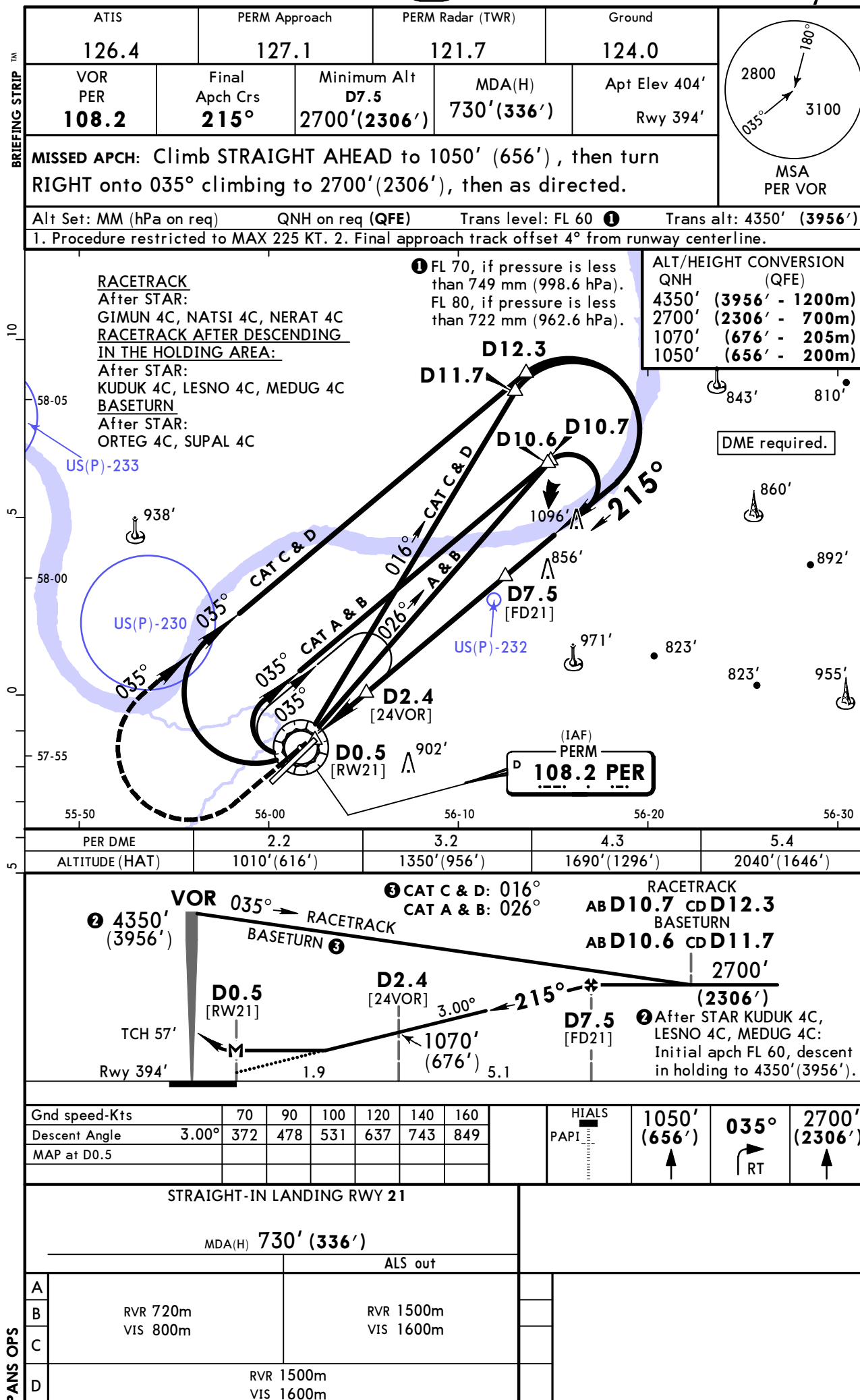
PERM, RUSSIA
VOR Y Rwy 03



USPP/PEE
BOLSHOE SAVINO

JEPPesen
22 MAR 19 **(13-3)** Eff 28 Mar

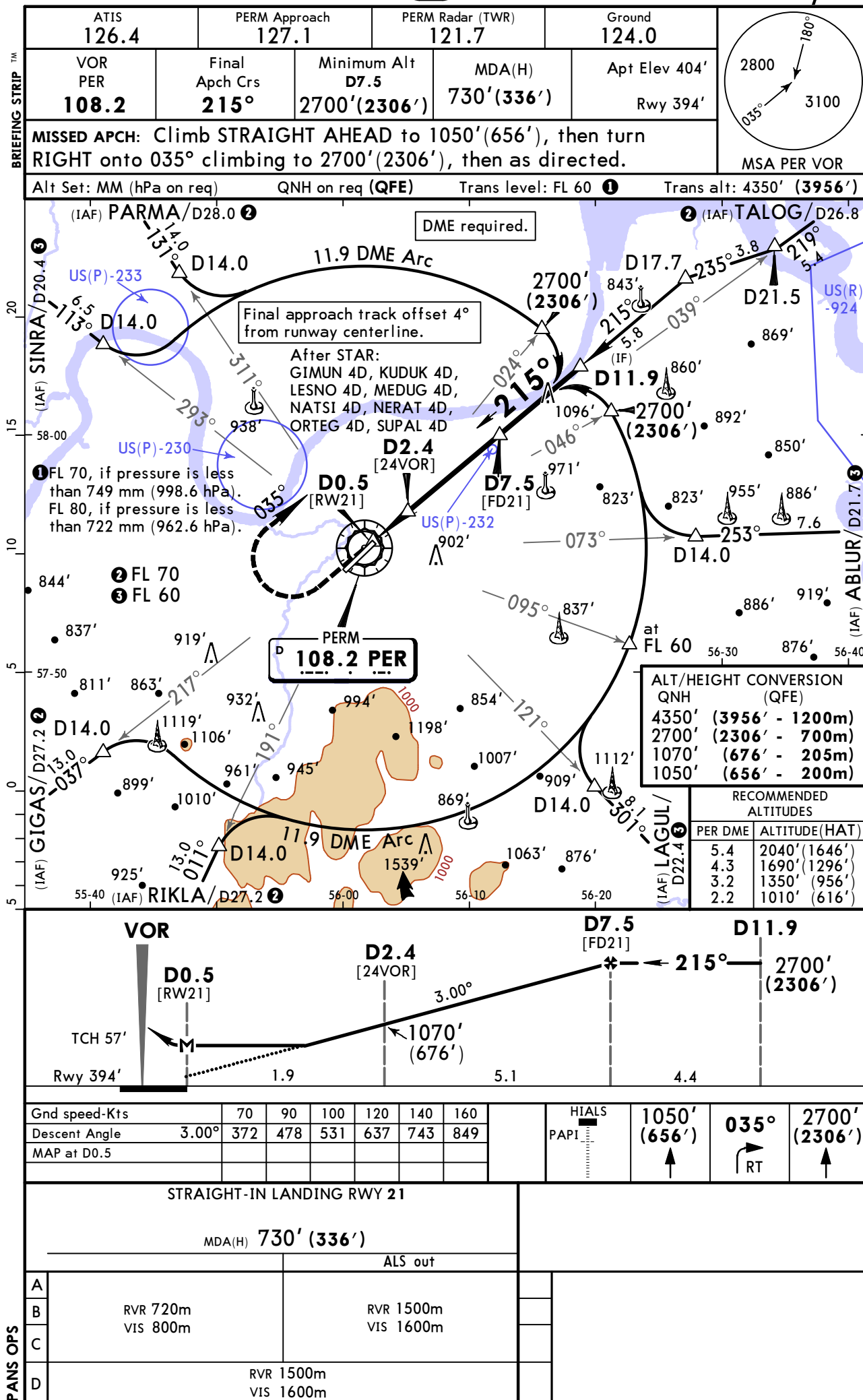
PERM, RUSSIA
VOR Z Rwy 21



USPP/PEE
BOLSHOE SAVINO

JEPPesen
22 MAR 19 **(13-4)** Eff 28 Mar

PERM, RUSSIA
VOR Y Rwy 21



USPP/PEE
BOLSHOE SAVINO

JEPPesen

22 MAR 19

(16-1)

Eff 28 Mar

2 NDB or NDB Rwy 03

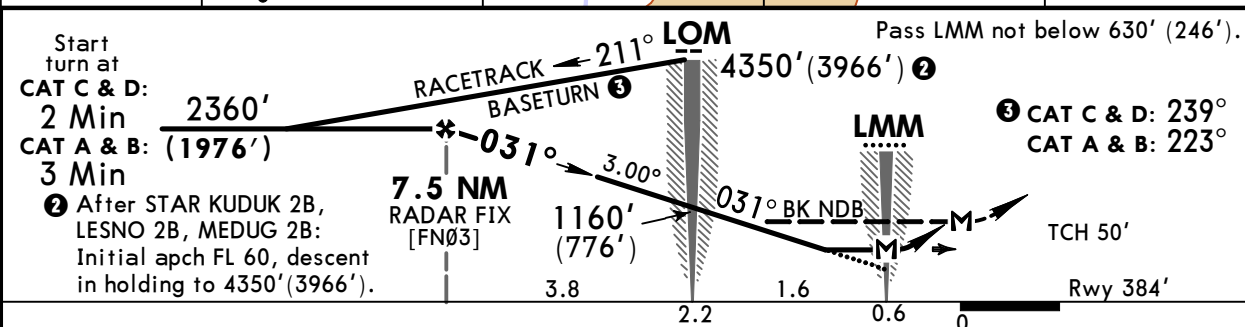
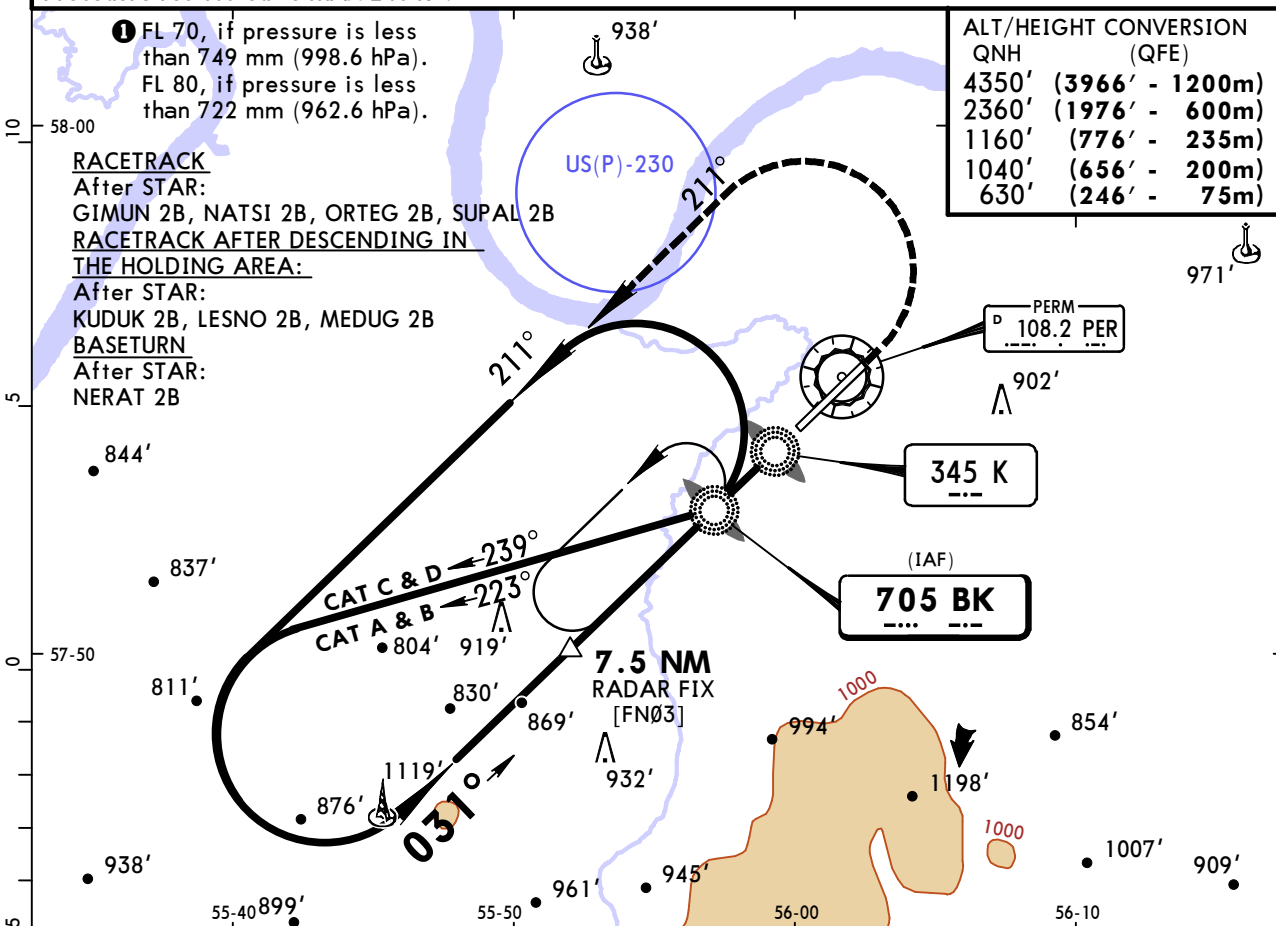
PERM, RUSSIA

BRIEFING STRIP

ATIS		PERM Approach		PERM Radar (TWR)		Ground	
126.4		127.1		121.7		124.0	
NDB BK	Final Aptch Crs	Minimum Alt		MDA(H)		Apt Elev 404'	
705	031°	7.5 NM RADAR FIX		Refer to Minimums		Rwy 384'	
2360'(1976')							
MISSED APCH: Climb STRAIGHT AHEAD to 1040'(656'), then turn LEFT onto 211° climbing to 2360'(1976'), then as directed.							

MSA
BK NDB

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 ① Trans alt: 4350' (3966')
Procedure restricted to MAX 240 KT.



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1040' (656')	211°	2360' (1976')
Descent Angle 3.00°	372	478	531	637	743	849	PAPI	↑	LT	↑
2 NDB or K NDB: MAP at LMM										
BK NDB: LOM to MAP	2.2	1:53	1:28	1:19	1:06	0:57				

STRAIGHT-IN LANDING RWY 03											
with FAF 2 NDB				with FAF BK NDB				with FAF K NDB			
MDA(H)		w/o FAF		MDA(H)		w/o FAF		MDA(H)		w/o FAF	
810' (426')		1620' (1236')		970' (586')		1620' (1236')		1020' (636')		1620' (1236')	
ALS out		ALS out		ALS out		ALS out		ALS out		ALS out	
A		RVR 1500m	1200m	RVR 1800m	1200m	RVR 1500m	1200m	RVR 1800m	1200m	RVR 1800m	1200m
B	1200m	VIS 1600m	2400m	VIS 1600m	2400m	VIS 1600m	2400m	VIS 1600m	2400m	VIS 1600m	2400m
C		RVR 1800m	4000m	VIS 1600m	2400m	4000m	4000m	RVR 1800m	2800m	4000m	4000m
D	RVR 1500m	VIS 2000m	4400m	VIS 1600m	2400m	2800m	4400m	VIS 2000m	3200m	4400m	4400m

CHANGES: Radar frequency.

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BOLSHOE SAVINO

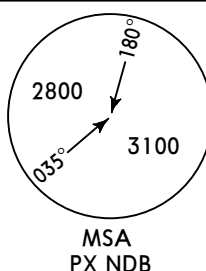
JEPPESSEN

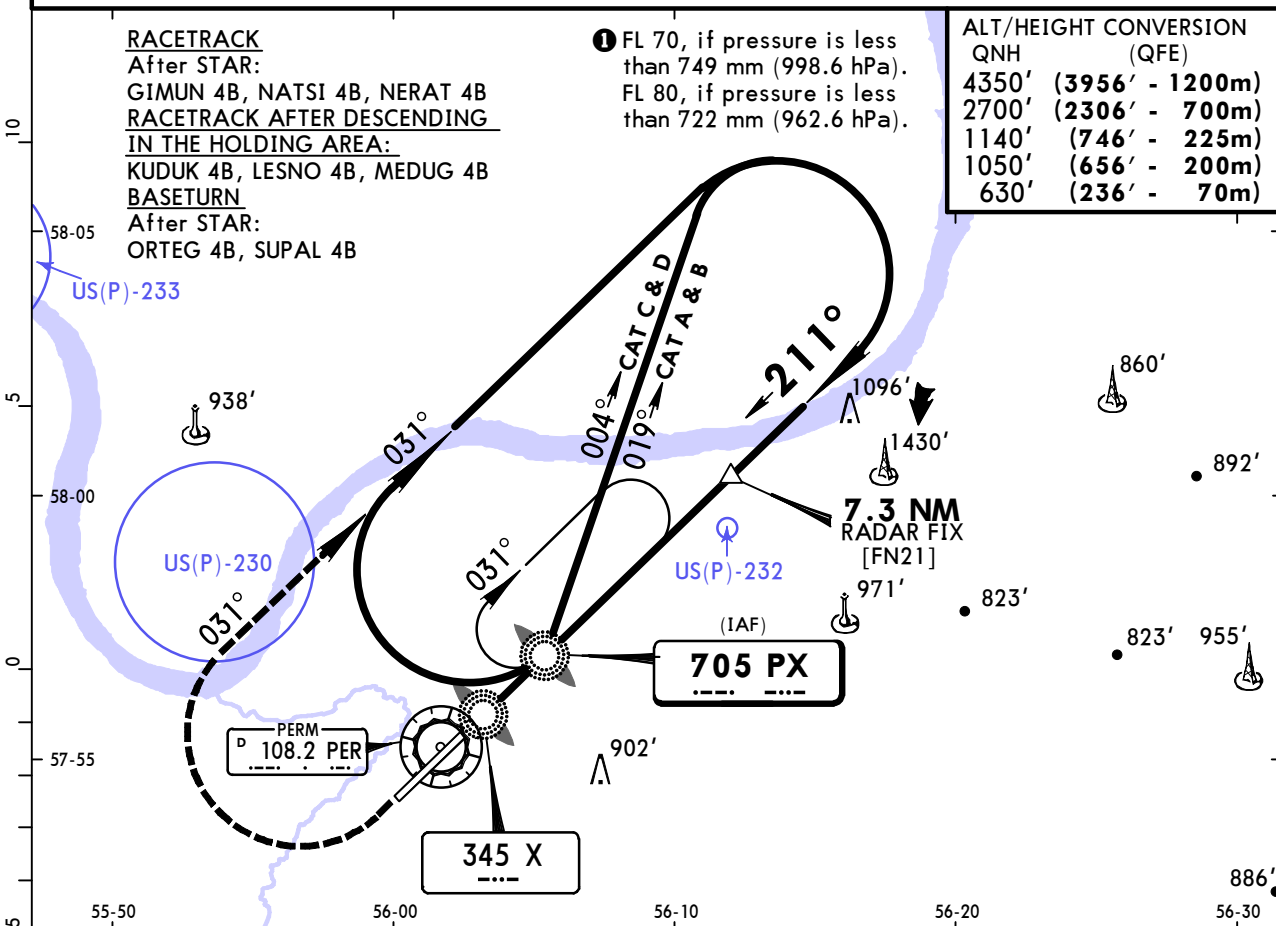
22 MAR 19 **(16-2)**

Eff 28 Mar

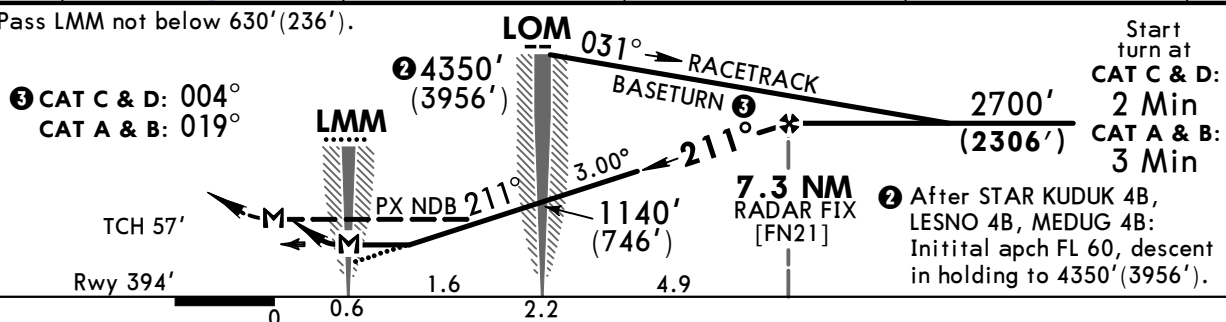
PERM, RUSSIA
2 NDB or NDB Rwy 21

BRIEFING STRIP™

ATIS		PERM Approach		PERM Radar (TWR)		Ground		 MSA PX NDB	
126.4		127.1		121.7		124.0			
NDB PX 705		Final Apch Crs 211°		Minimum Alt 7.3 NM RADAR FIX 2700'(2306')		MDA(H) Refer to Minimums			Apt Elev 404' Rwy 394'
MISSED APCH: Climb STRAIGHT AHEAD to 1050'(656'), then turn RIGHT onto 031° climbing to 2700'(2306'), then as directed.									
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 60 1		Trans alt: 4350' (3956')			
Procedure restricted to MAX 225 KT.									



Pass LMM not below 630'(236').



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI
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STRAIGHT-IN LANDING RWY 21

with FAF		w/o FAF		with FAF		w/o FAF		with FAF		w/o FAF	
2 NDB		2 NDB		PX NDB		PX NDB		X NDB		X NDB	
MDA(H)	ALS out	MDA(H)	ALS out	MDA(H)	ALS out	MDA(H)	ALS out	MDA(H)	ALS out	MDA(H)	ALS out
750'(356')		1930'(1536')		970'(576')		1930'(1536')		1010'(616')		1930'(1536')	
A											
B	1200m	RVR 1500m VIS 1600m	RVR1800m VIS 2000m	1200m	RVR 1500m VIS 1600m	1200m	RVR1800m VIS 2000m	1200m	RVR 1500m VIS 1600m	1200m	RVR1800m VIS 2000m
C		4000m	4800m		4000m		4800m		4000m		4800m
D	RVR1500m VIS 1600m	RVR1800m VIS 2000m	4400m	2400m	2800m	4400m	2800m	2800m	3200m	4400m	2800m

CHANGES: Radar frequency.

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PERM, (BOLSHOE SAVINO - USPP)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport USPP