

List of pages in this Trip Kit

Trip Kit Index

Airport Information For USPP

Terminal Charts For USPP

Revision Letter For Cycle 13-2016

Change Notices

Notebook

General Information

Location: PERM RUS
ICAO/IATA: USPP / PEE
Lat/Long: N57° 54.87', E056° 01.28'
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
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: 2313 Z
Sunset: 1722 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

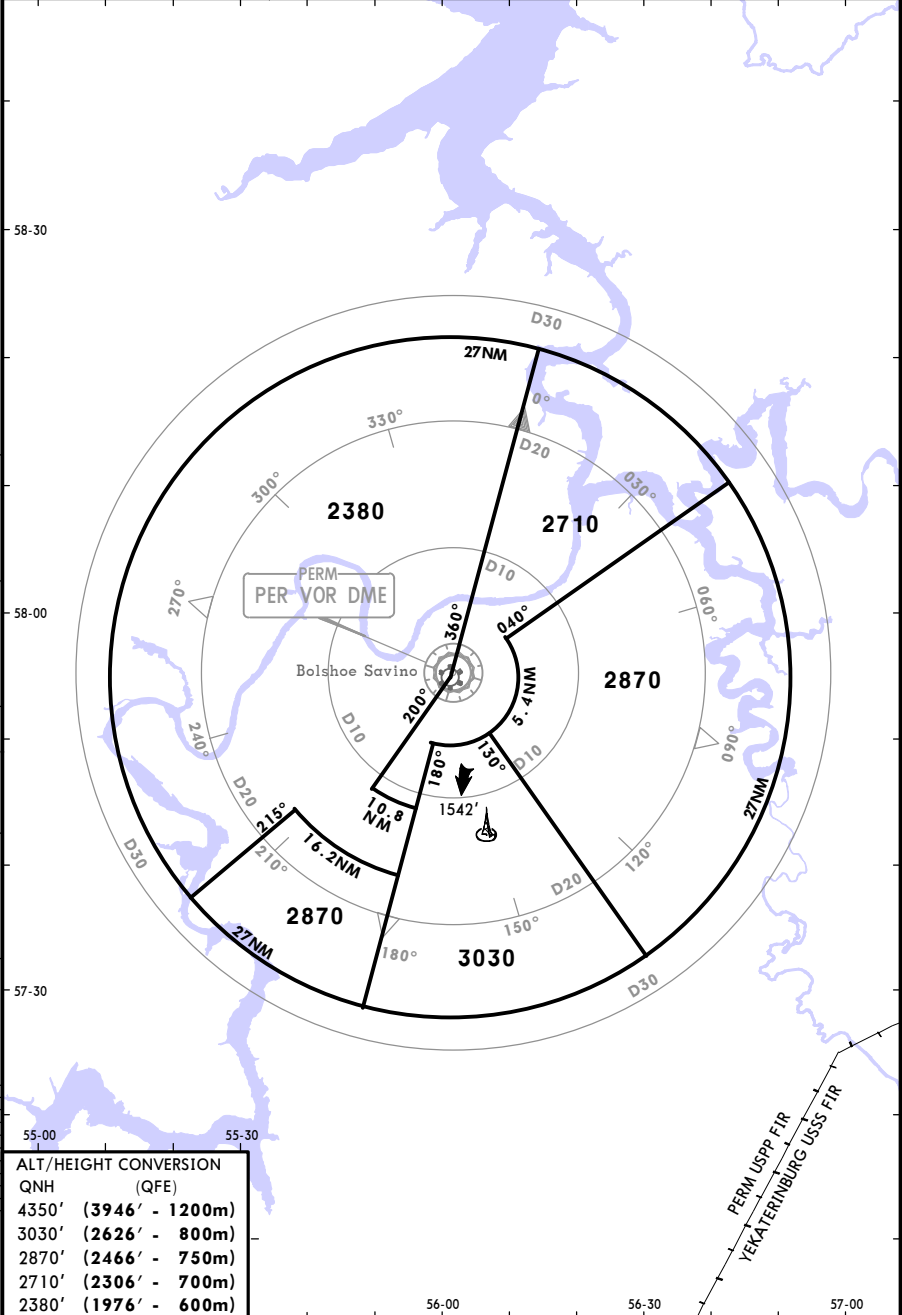
ATIS: 126.400
Perm Start Tower: 124.000
Perm Apron Ramp/Taxi: 118.800
Perm Approach: 127.100
Perm Transit Operations: 131.700

USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
18 SEP 15 **10-1R**

PERM, RUSSIA
RADAR MINIMUM ALTITUDES

Apt Elev 404'	*PERM Approach (R) 127.1	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') Bearings and distances are given from ARP.
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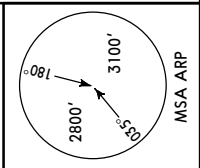


ALT/HEIGHT CONVERSION	
QNH	(QFE)
4350' (3946' - 1200m)	
3030' (2626' - 800m)	
2870' (2466' - 750m)	
2710' (2306' - 700m)	
2380' (1976' - 600m)	

CHANGES: RNAV STARs established, STARs transferred. © JEPPESEN, 2015. ALL RIGHTS RESERVED.

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')**
1. RNAV (GNSS)

MEDUG 4G[MEDU4G]
NERAT 4G[NERA4G]
RWY 21 RNAV ARRIVALS
BY ATC



Between
FL200 & FL80

TALOG
N58 11.0 E056 42.4

TALOG
N58 11.0 E056 42.4

t or above

(IAF)
PP214
N58 06.8 E056 24.6
At or above
4350' (**3956'**)

1

(IAF)
PP213
N58 06.7 E056 10.8
At or above

MAY	0 (2306')
-----	-----------

MAX
230 KT

ABLUR
N57 56.0 E056 42.3

At or above

MEDUG

Between
FL200 & FL80



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

STAR	ROUTING
MEDUG 4G	MEDUG (FL200-; FL80+) - ABLUR (FL60+) - PP218 (FL60) - PP216 - PP213 (2700+; K230-).
NERAT 4G	NERAT (FL200-; FL80+) - TALOG (FL70+) - PP214 (4350+).

Direct distance to
301shoe Savino Apt from:
pp213 13NM
pp214 17NM

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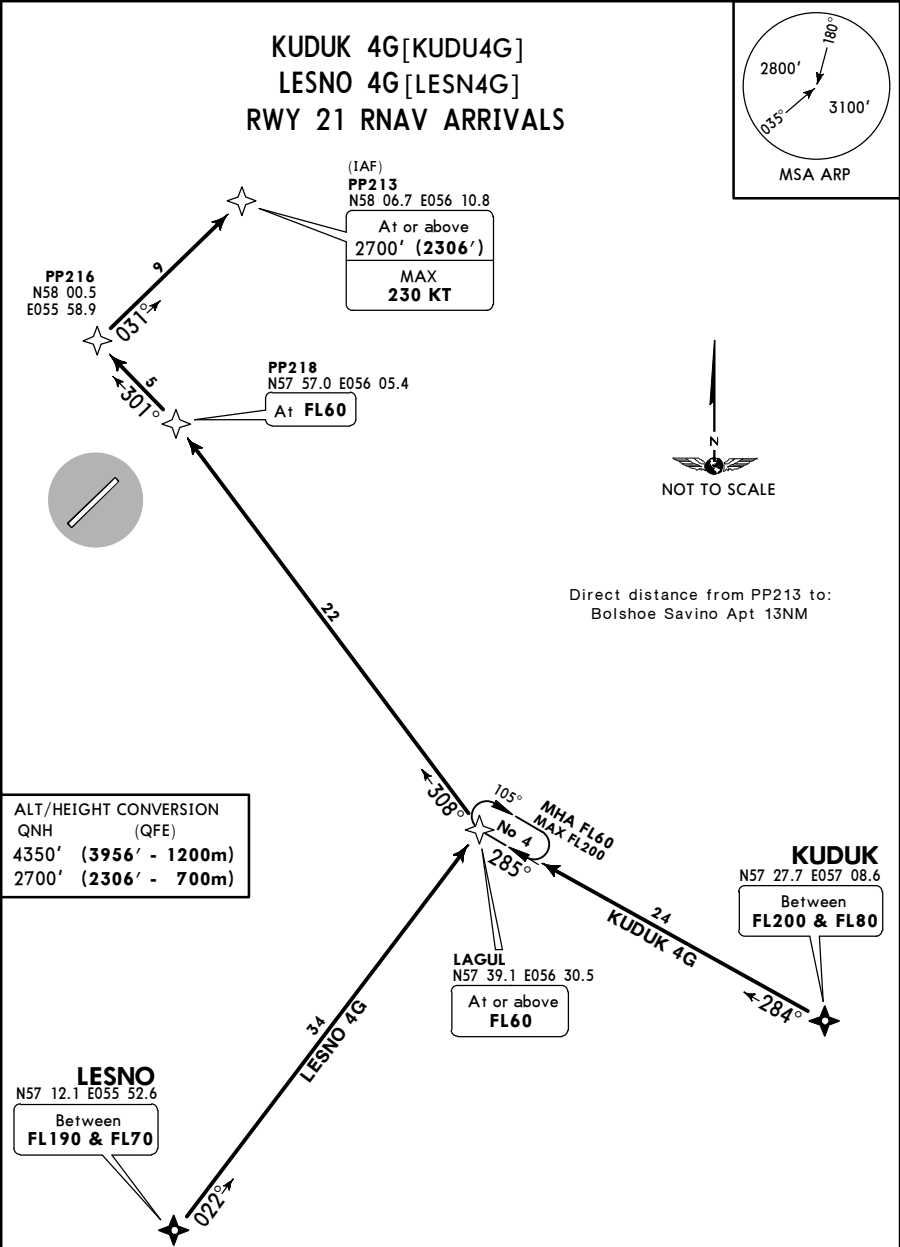
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USPP/PEE
BOLSHOE SAVINO

JEPPESEN
11 SEP 15 10-2C Eff 17 Sep

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') 1. RNAV (GNSS)
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STAR	ROUTING
KUDUK 4G	KUDUK (FL200-; FL80+) - LAGUL (FL60+) - PP218 (FL60) - PP216 - PP213 (2700'+; K230-).
LESNO 4G	LESNO (FL190-; FL70+) - LAGUL (FL60+) - PP218 (FL60) - PP216 - PP213 (2700'+, K230-).

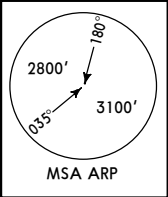
USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 (10-2D) Eff 17 Sep

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') 1. RNAV (GNSS)
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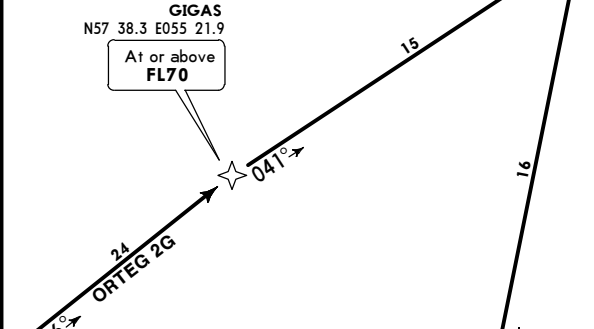
ORTEG 2G [ORTE2G]
SUPAL 2G [SUPA2G]
RWY 03 RNAV ARRIVALS
BY ATC



Direct distance from PP312 to:
Bolshoe Savino Apt 12NM

(IAF)
PP312
N57 46.6 E055 45.3
At or above
2360' (1976')

GIGAS
N57 38.3 E055 21.9
At or above
FL70

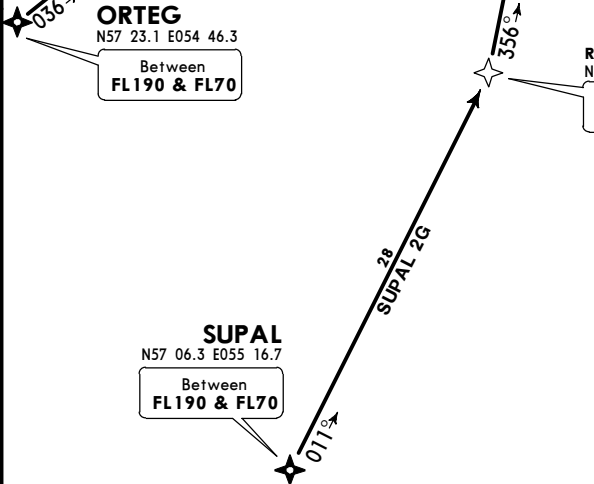


ALT/HEIGHT CONVERSION	
QNH	(QFE)
4350'	(3966' - 1200m)
2360'	(1976' - 600m)

ORTEG
N57 23.1 E054 46.3
Between
FL190 & FL70

RIKLA
N57 30.8 E055 39.4
At or above
FL70

SUPAL
N57 06.3 E055 16.7
Between
FL190 & FL70



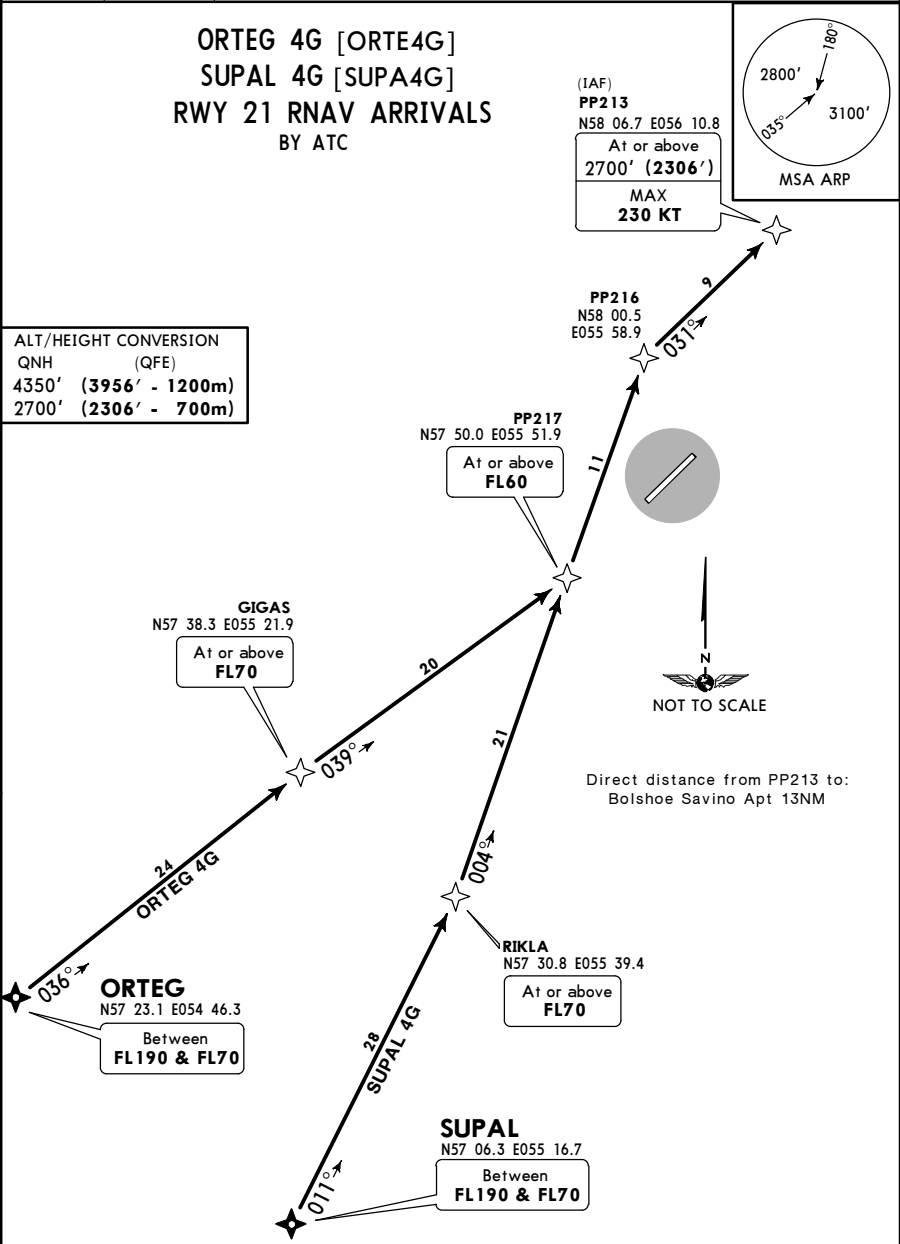
STAR	ROUTING
ORTEG 2G	ORTEG (FL190-; FL70+) - GIGAS (FL70+) - PP312 (2360+).
SUPAL 2G	SUPAL (FL190-; FL70+) - RIKLA (FL70+) - PP312 (2360+).

USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-2E Eff 17 Sep

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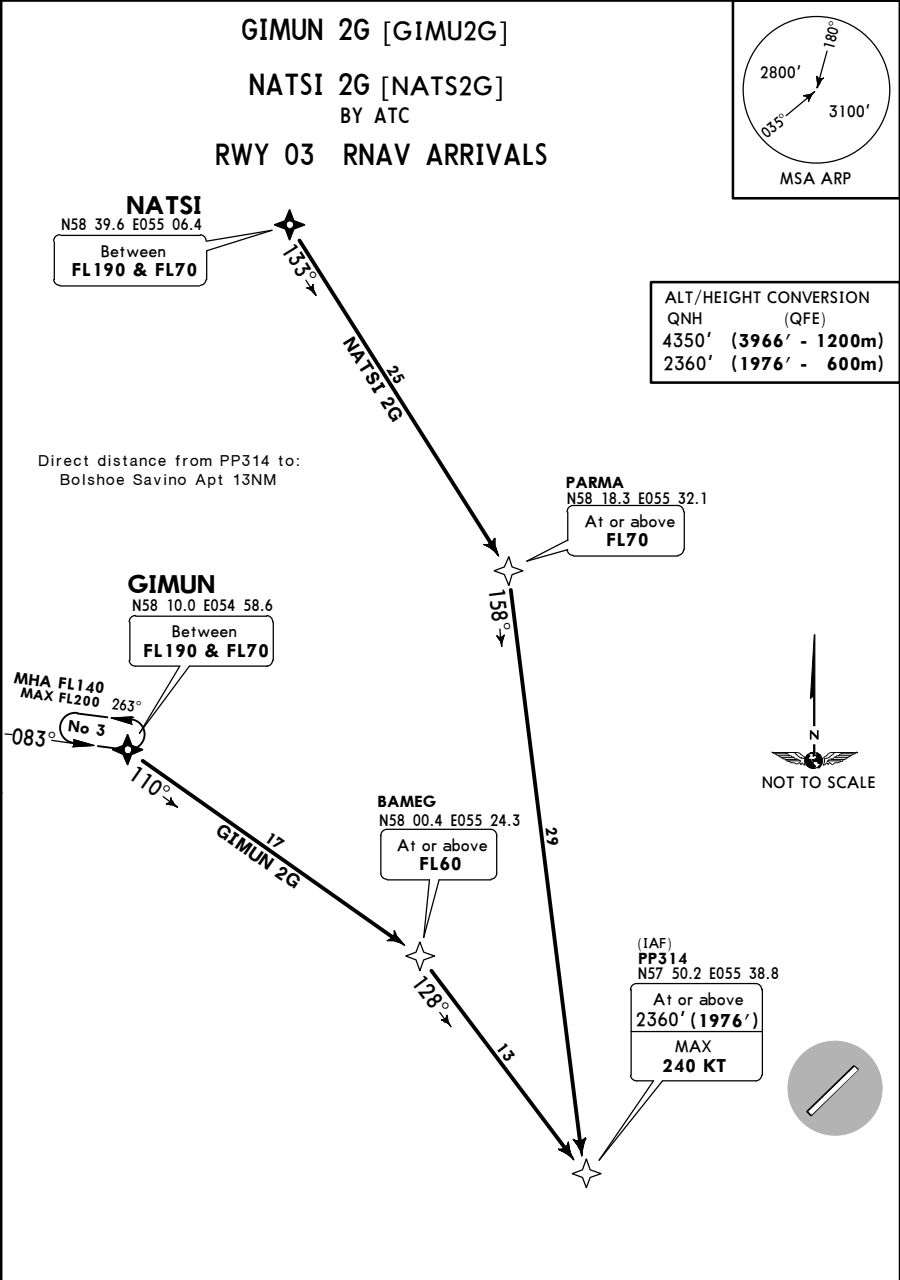
STAR	ROUTING
ORTEG 4G	ORTEG (FL190-; FL70+) - GIGAS (FL70+) - PP217 (FL60+) - PP216 - PP213 (2700+; K230-).
SUPAL 4G	SUPAL (FL190-; FL70+) - RIKLA (FL70+) - PP217 (FL60+) - PP216 - PP213 (2700+; K230-).

USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 10-2F Eff 17 Sep

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') 1. RNAV (GNSS)
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STAR	ROUTING
GIMUN 2G	GIMUN (FL190-; FL70+) - BAMEG (FL60+) - PP314 (2360+; K240-).
NATSI 2G	NATSI (FL190-; FL70+) - PARMA (FL70+) - PP314 (2360+; K240-).

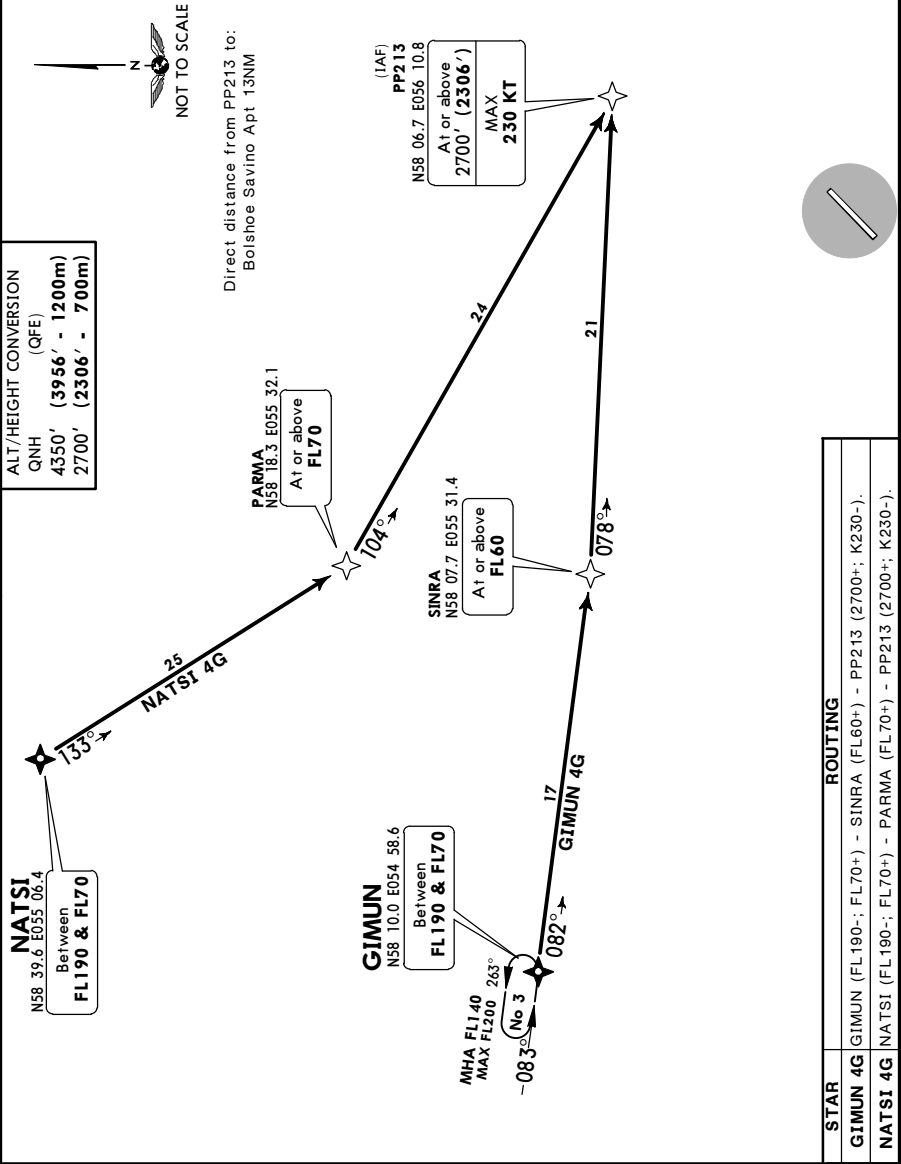
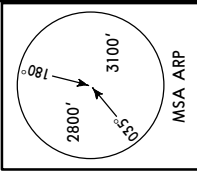
USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 (10-2G) Eff 17 Sep

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') 1. RNAV (GNSS)
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GIMUN 4G [GIMU4G]
NATSI 4G [NATS4G]
BY ATC
RWY 21 RNAV ARRIVALS



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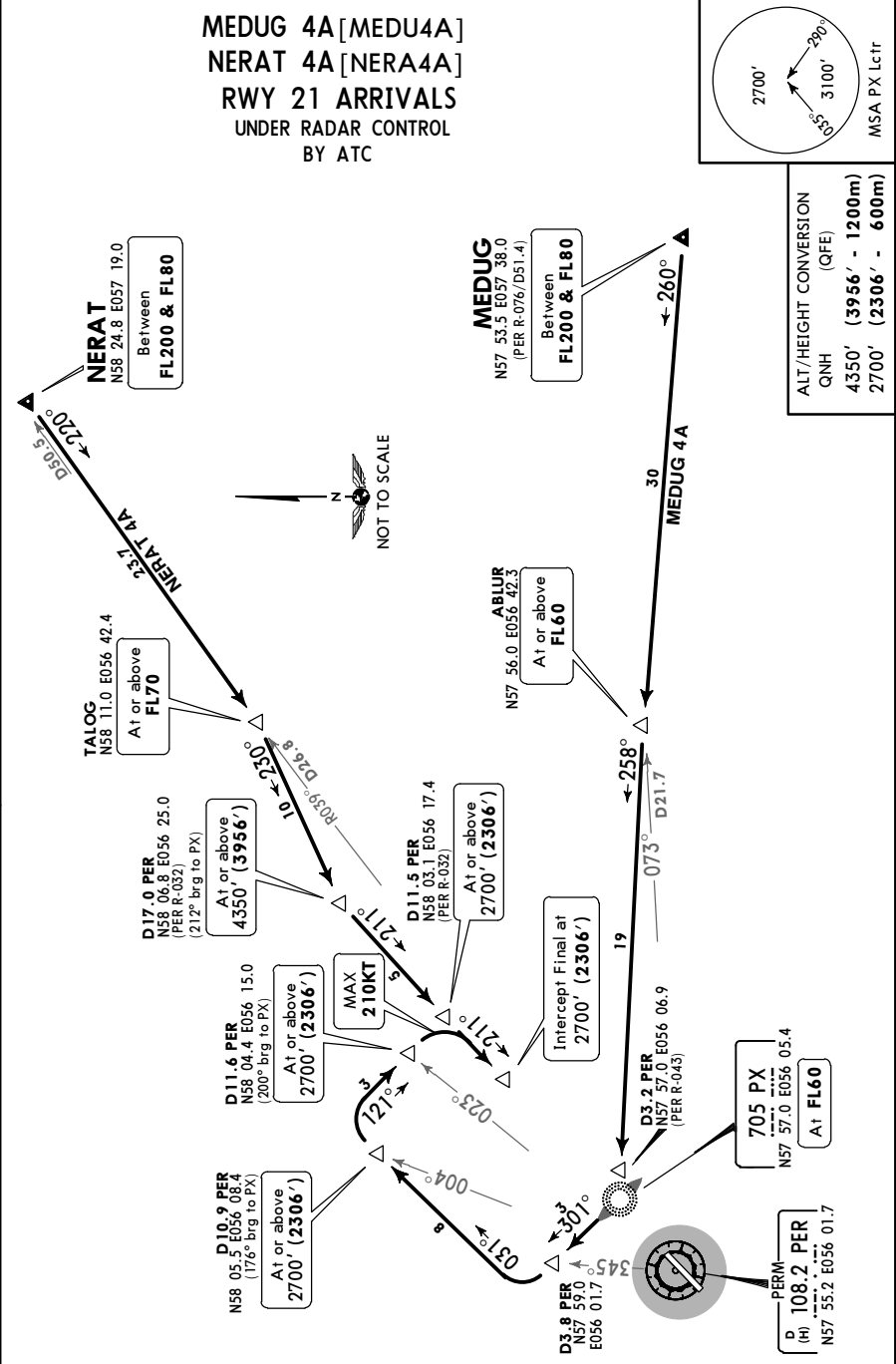
USPP/PEE
BOLSHOE SAVINO

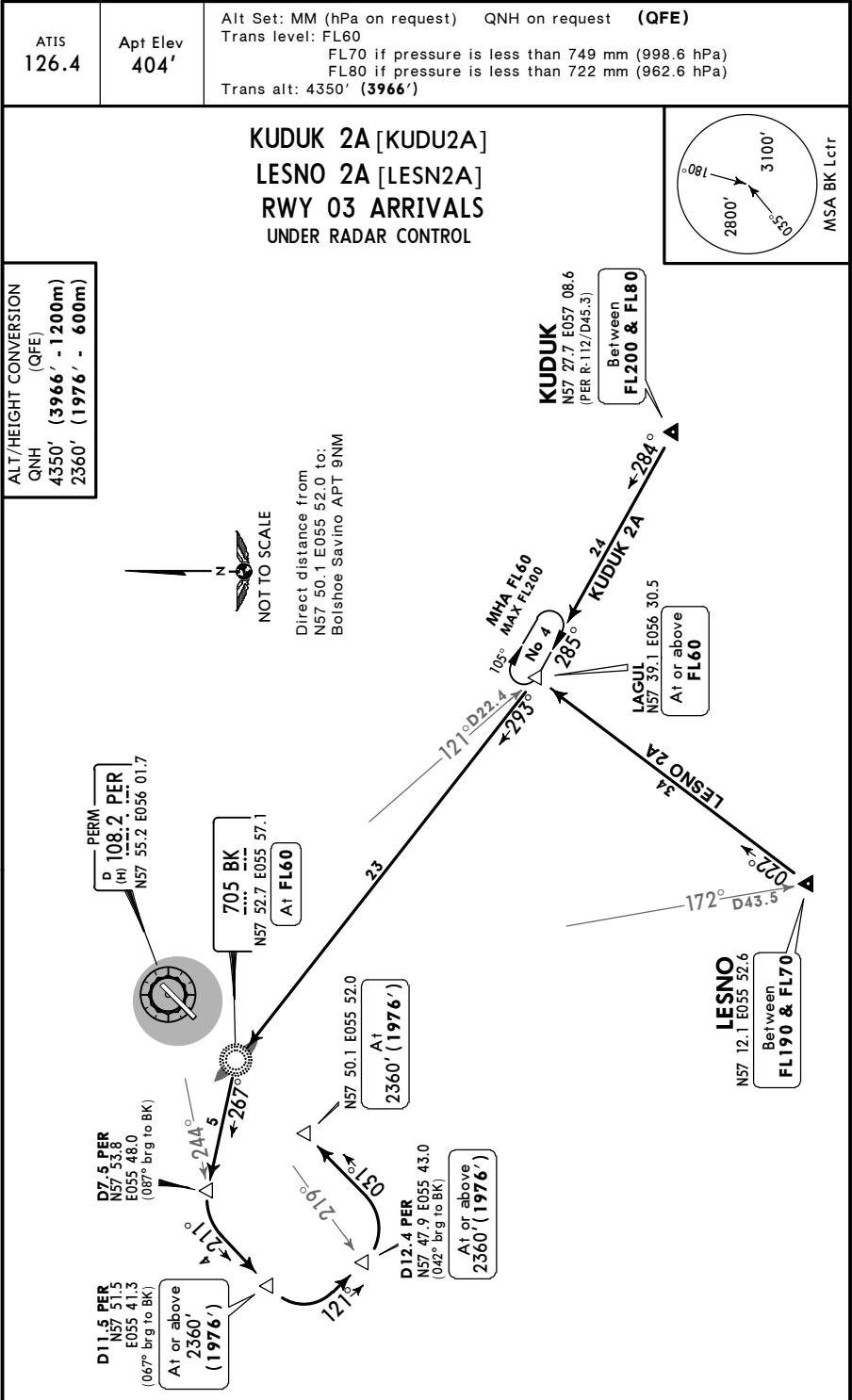
JEPPesen
11 SEP 15 (10-2J) Eff 17 Sep

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' (3956')
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MEDUG 4A [MEDU4A]
NERAT 4A [NERA4A]
RWY 21 ARRIVALS
UNDER RADAR CONTROL
BY ATC



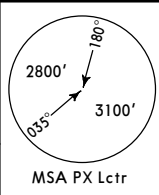


USPP/PEE
BOLSHOE SAVINO

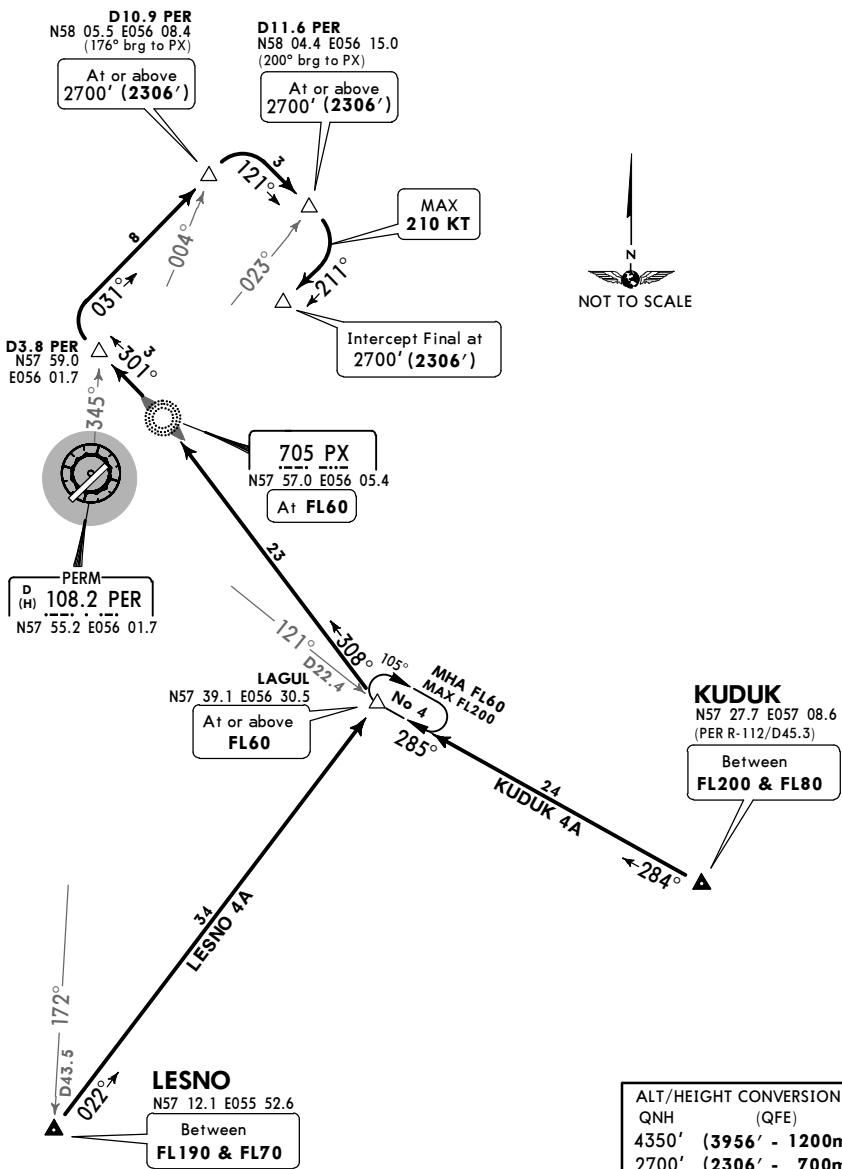
JEPPESSEN
11 SEP 15 10-2L Eff 17 Sep

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' (3956')
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KUDUK 4A[KUDU4A]
LESNO 4A[LESN4A]
RWY 21 ARRIVALS
UNDER RADAR CONTROL

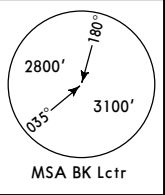


USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 (10-2M) Eff 17 Sep

PERM, RUSSIA
STAR

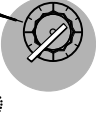
ATIS 126.4	Apt Elev 404'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL60 FL70 if pressure is less than 749 mm (998.6 hPa) FL80 if pressure is less than 722 mm (962.6 hPa) Trans alt: 4350' (3966')
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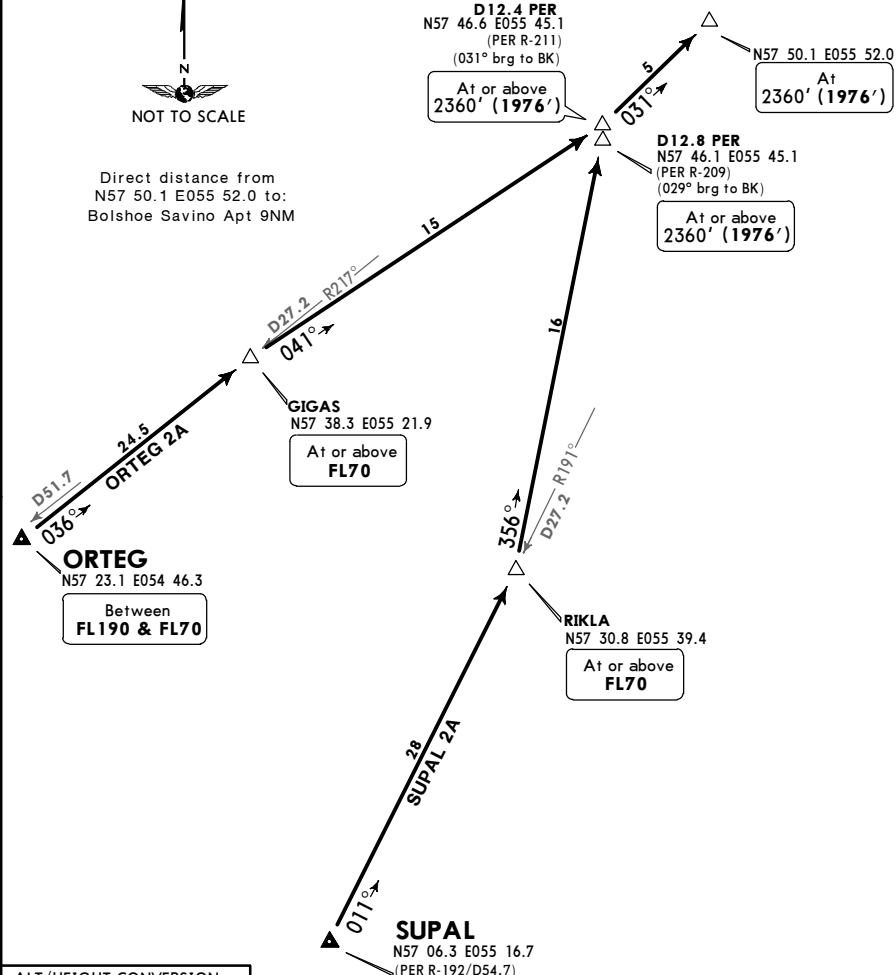
ORTEG 2A [ORTE2A]
SUPAL 2A [SUPA2A]
RWY 03 ARRIVALS
BY ATC
UNDER RADAR CONTROL

PERM
D (H) 108.2 PER
N57 55.2 E056 01.7

705 BK
N57 52.7 E055 57.1



Direct distance from
N57 50.1 E055 52.0 to:
Bolshoe Savino Apt 9NM



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

SUPAL
N57 06.3 E055 16.7
(PER R-192/D54.7)
Between
FL190 & FL70

RIKLA
N57 30.8 E055 39.4
At or above
FL70

GIGAS
N57 38.3 E055 21.9
At or above
FL70

ORTEG
N57 23.1 E054 46.3
Between
FL190 & FL70

D12.8 PER
N57 46.1 E055 45.1
(PER R-209)
(029° brg to BK)
At or above
2360' (1976')

D12.4 PER
N57 46.6 E055 45.1
(PER R-211)
(031° brg to BK)
At or above
2360' (1976')

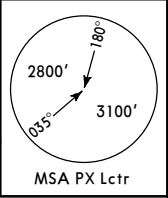
N57 50.1 E055 52.0
At
2360' (1976')

USPP/PEE
BOLSHOE SAVINO

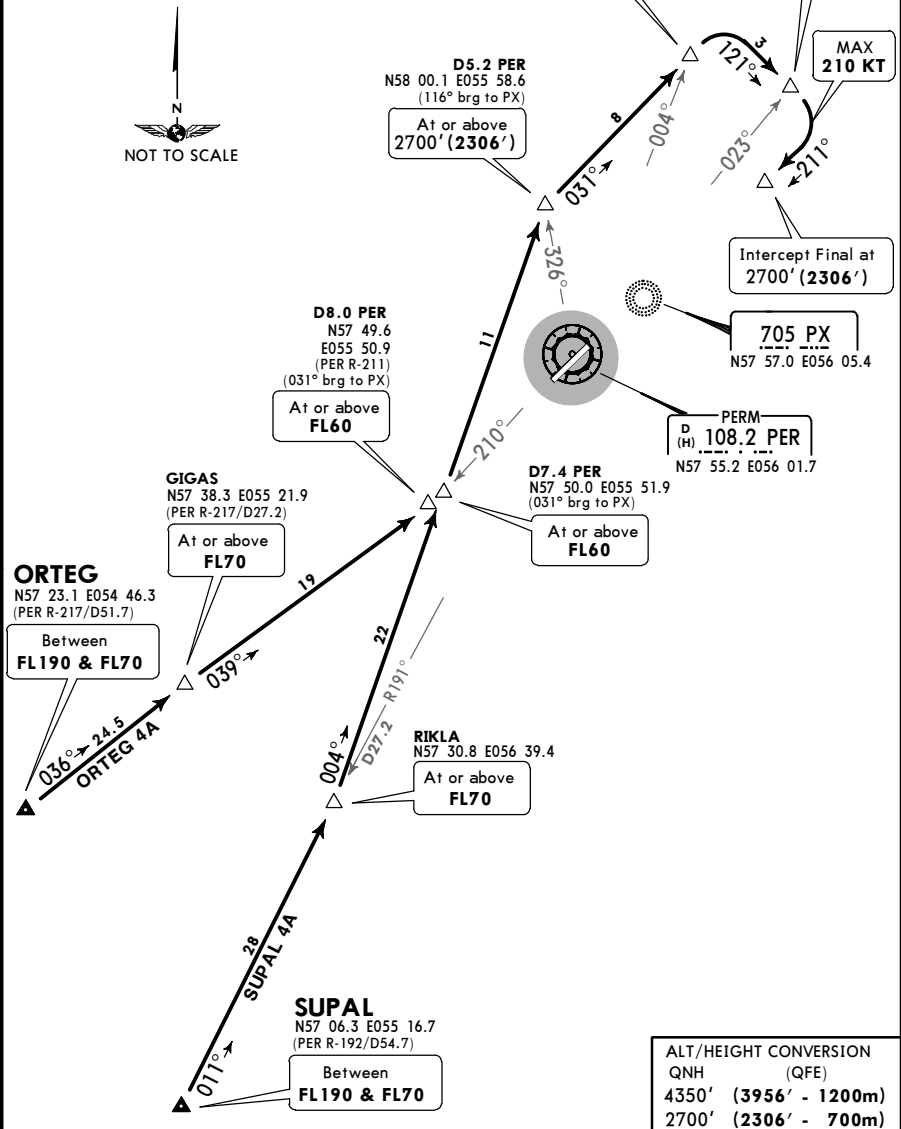
JEPPESSEN
11 SEP 15 **(10-2N)** Eff 17 Sep

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' (3956')
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ORTEG 4A [ORTE4A]
SUPAL 4A [SUPA4A]
RWY 21 ARRIVALS
BY ATC
UNDER RADAR CONTROL

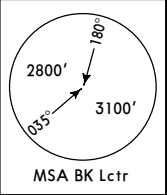


USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 **10-2P** 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')
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GIMUN 2A [GIMU2A]

NATSI 2A [NATS2A]
BY ATC

RWY 03 ARRIVALS
UNDER RADAR CONTROL

NATSI
N58 39.6 E055 06.4
(PER R-312/D53.2)
Between
FL190 & FL70

PARMA
N58 18.3 E055 32.1
At or above
FL70



Direct distance from
N57 50.1 E055 52.0 to:
Bolshoe Savino APT 9NM

MHA FL140
MAX FL200 263°

GIMUN
N58 10.0 E054 58.6
Between
FL190 & FL70

BAMEG
N58 00.4 E055 24.3
At or above
FL60

PERM
D (H) **108.2 PER**
N57 55.2 E056 01.7

705 BK
N57 52.7 E055 57.1

D13.1 PER
N57 50.8 E055 38.7
(064° brg to BK)
At or above
2360' (1976')

D13.3 PER
N57 50.3 E055 38.7
(061° brg to BK)
At or above
2360' (1976')

D12.4 PER
N57 47.9 E055 43.0
(042° brg to BK)
At or above
2360' (1976')

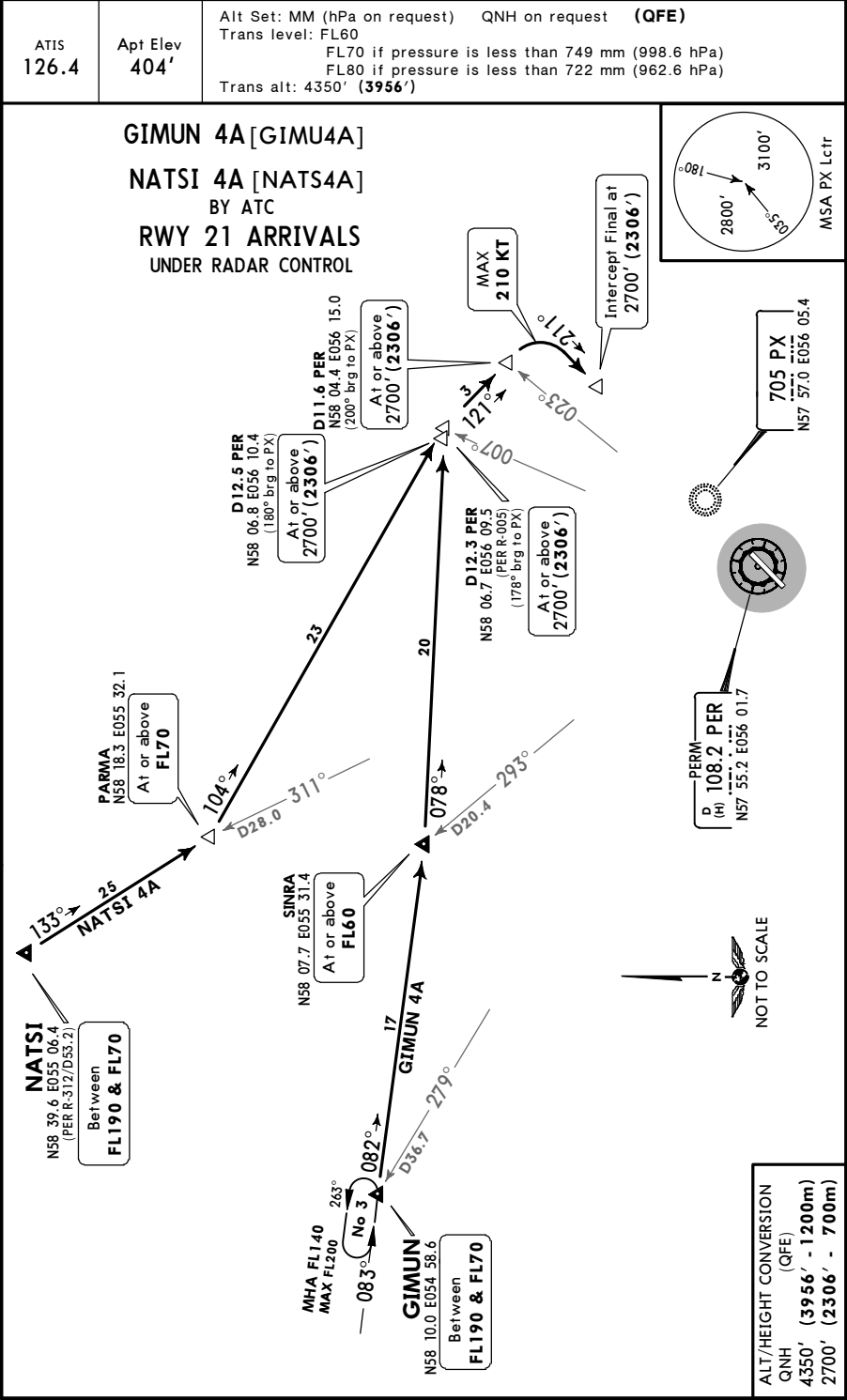
N57 50.1 E055 52.0
At
2360' (1976')

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

USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 (10-2Q) Eff 17 Sep

PERM, RUSSIA
STAR

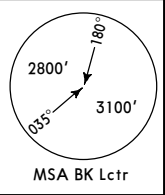


USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 **10-2S** 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')
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KUDUK 2B [KUDU2B]
LESNO 2B [LESN2B]
MEDUG 2B [MEDU2B]
NERAT 2B [NERA2B]
BY ATC
RWY 03 ARRIVALS

NERAT
N58 24.8 E057 19.0
Between
FL200 & FL80

(IAF)
705 BK
N57 52.7 E055 57.1
NERAT 2B
At
4350' (3966')
KUDUK 2B
LESNO 2B
MEDUG 2B
At
FL60

TALOG
N58 11.0 E056 42.4
At or above
FL70

MEDUG
N57 53.5 E057 38.0
Between
FL200 & FL80

ABLUR
N57 56.0 E056 42.3
At or above
FL60

MHA FL60
MAX FL200

No 2

Direct distance from BK to:
Bolshoe Savino Apt 3NM

LAGUL
N57 39.1 E056 30.5
At or above
FL60

MHA FL60
MAX FL200

No 4

KUDUK
N57 27.7 E057 08.6
Between
FL200 & FL80



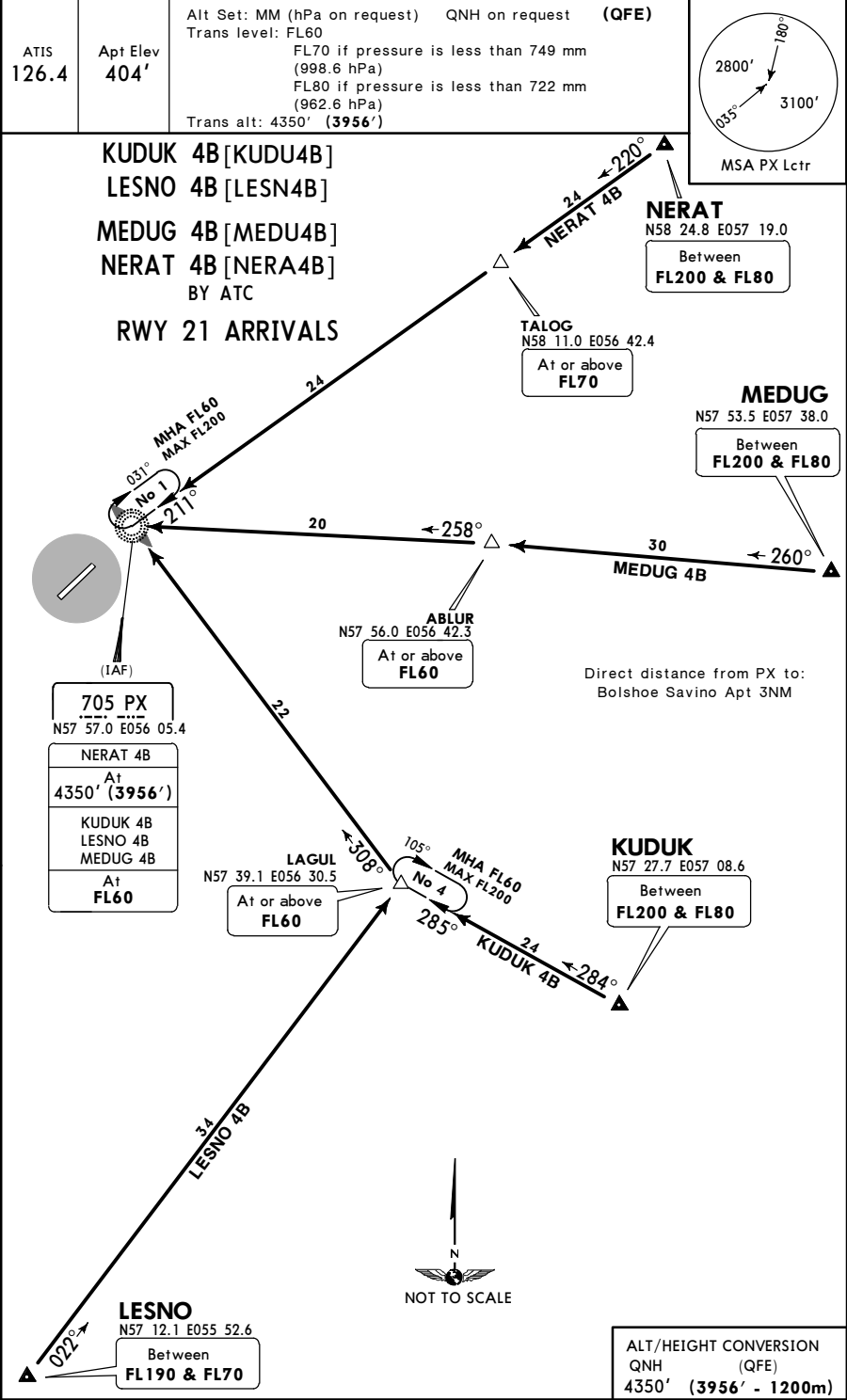
LESNO
N57 12.1 E055 52.6
Between
FL190 & FL70

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

USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 10-2T Eff 17 Sep

PERM, RUSSIA
STAR

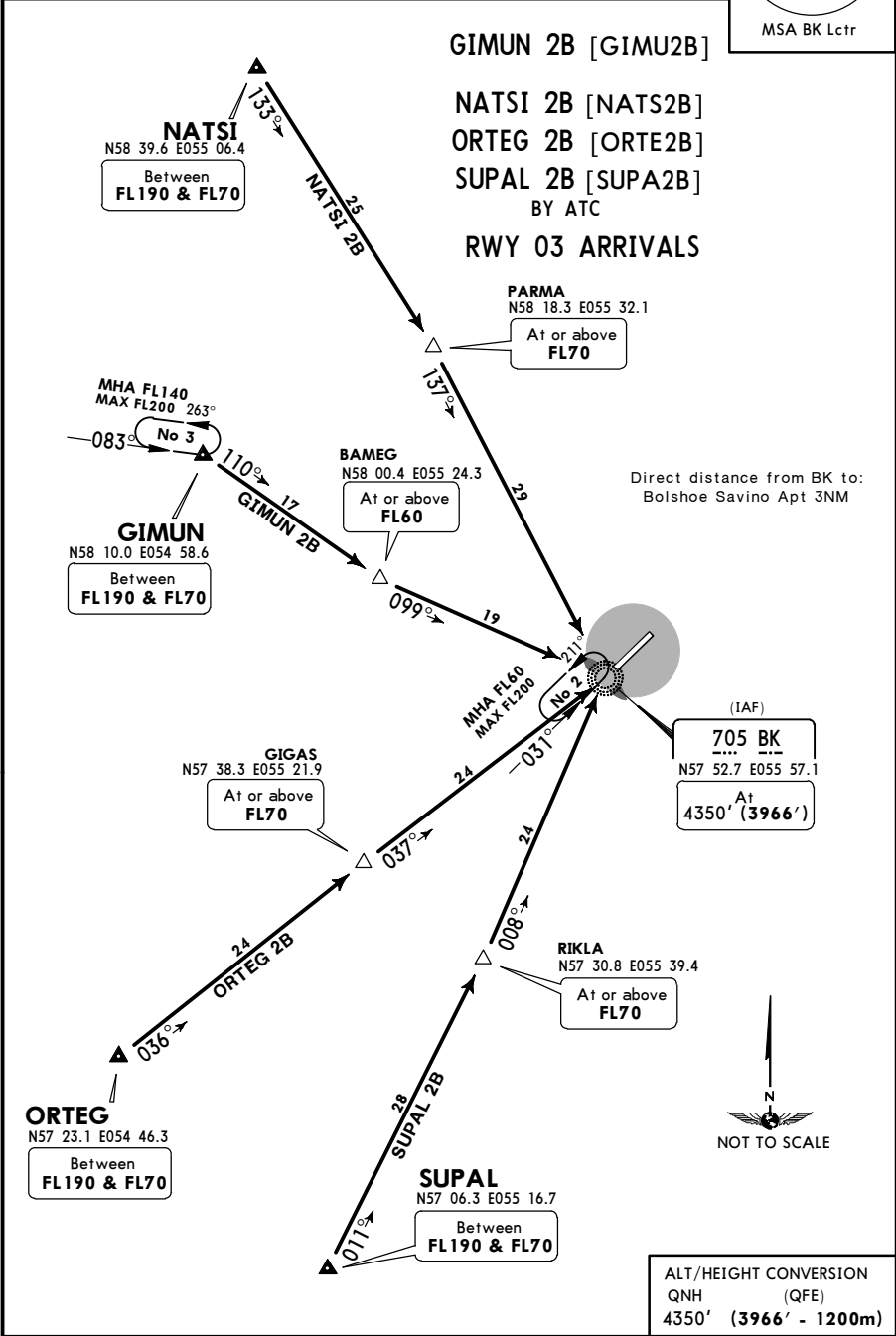
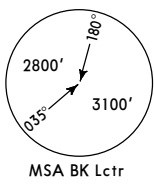


USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 10-2U 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')
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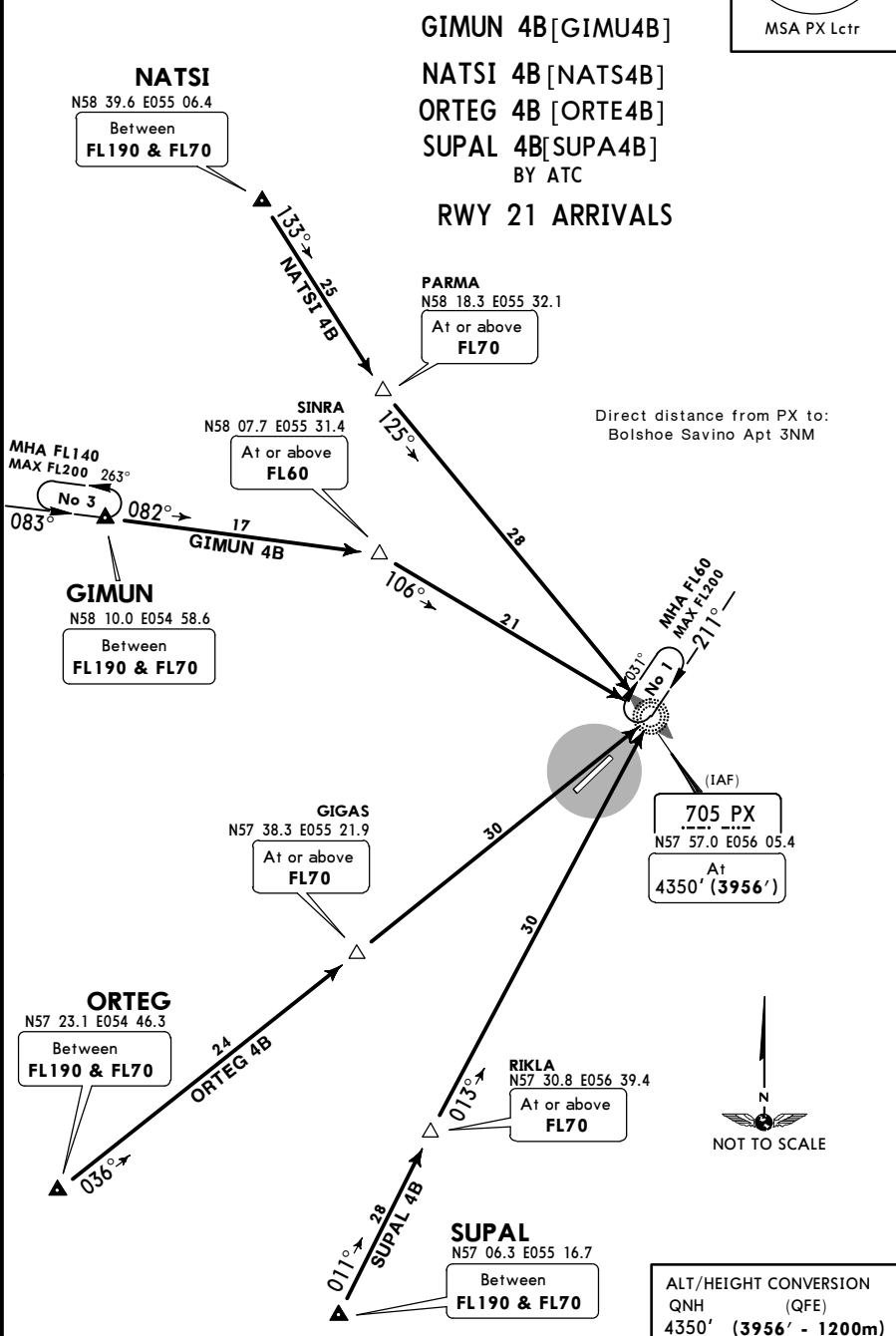
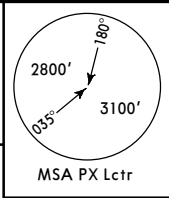


USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 10-2V 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' (3956')
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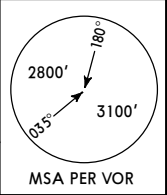


USPP/PEE
BOLSHOE SAVINO

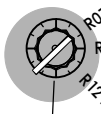
JEPPESSEN
11 SEP 15 10-2W Eff 17 Sep

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')
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KUDUK 2C [KUDU2C]
LESNO 2C [LESN2C]
MEDUG 2C [MEDU2C]
NERAT 2C [NERA2C]
BY ATC
RWY 03 ARRIVALS



NERAT
N58 24.8 E057 19.0
Between
FL200 & FL80

TALOG
N58 11.0 E056 42.4
At or above
FL70

ABLUR
N57 56.0 E056 42.3
At or above
FL60

MEDUG
N57 53.5 E057 38.0
(PER R-076/D51.4)
Between
FL200 & FL80

LAGUL
N57 39.1 E056 30.5
At or above
FL60

MHA FL60
No 4
105° MAX FL200

KUDUK
N57 27.7 E057 08.6
(PER R-112/D45.3)
Between
FL200 & FL80

(IAF) PERM
D (H) 108.2 PER
N57 55.2 E056 01.7
NERAT 2C
At 4350' (3966')
KUDUK 2C LESNO 2C MEDUG 2C
At FL60

D43.5 172°
022°

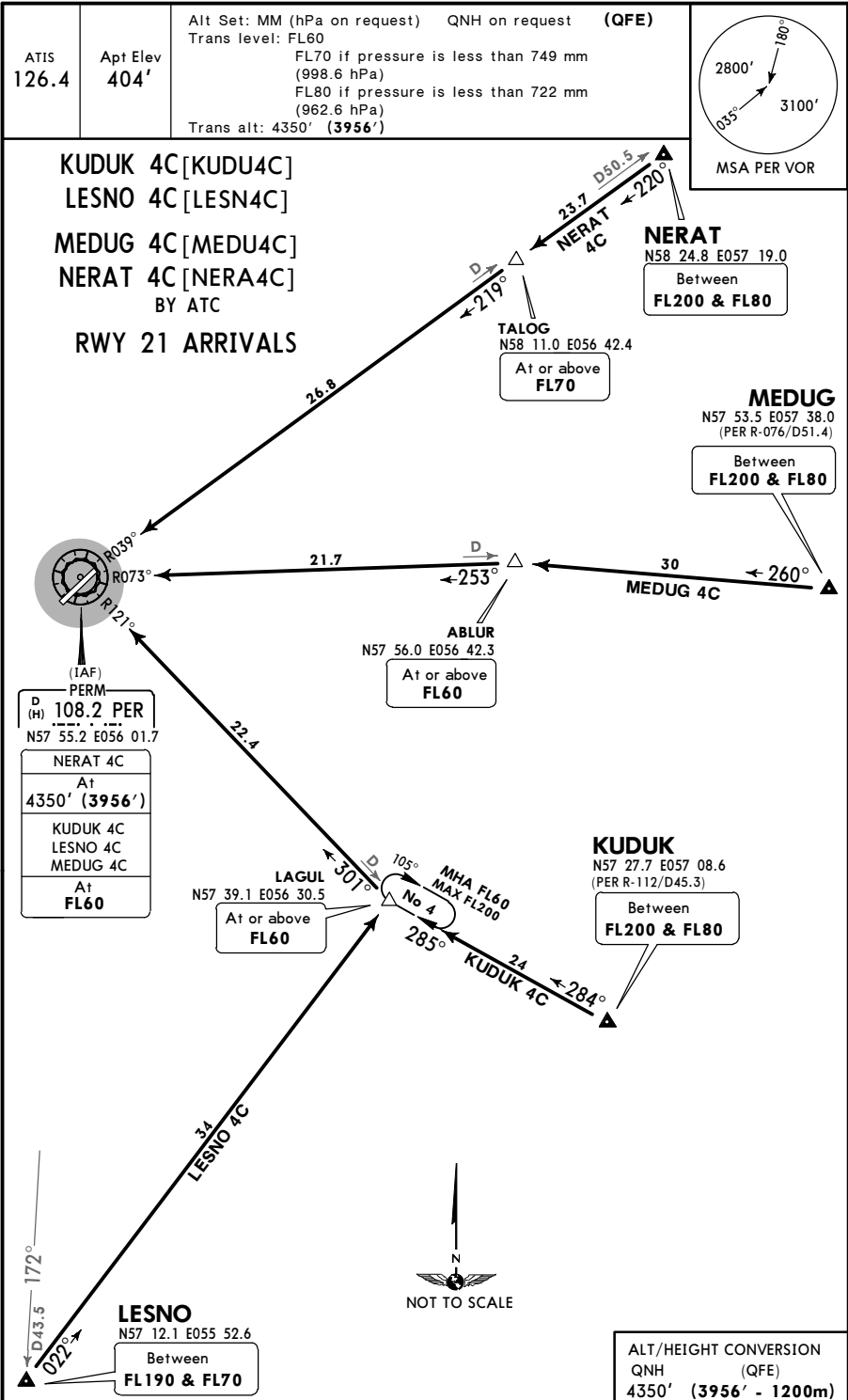
LESNO
N57 12.1 E055 52.6
Between
FL190 & FL70

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

USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 **10-2X** Eff 17 Sep

PERM, RUSSIA
STAR

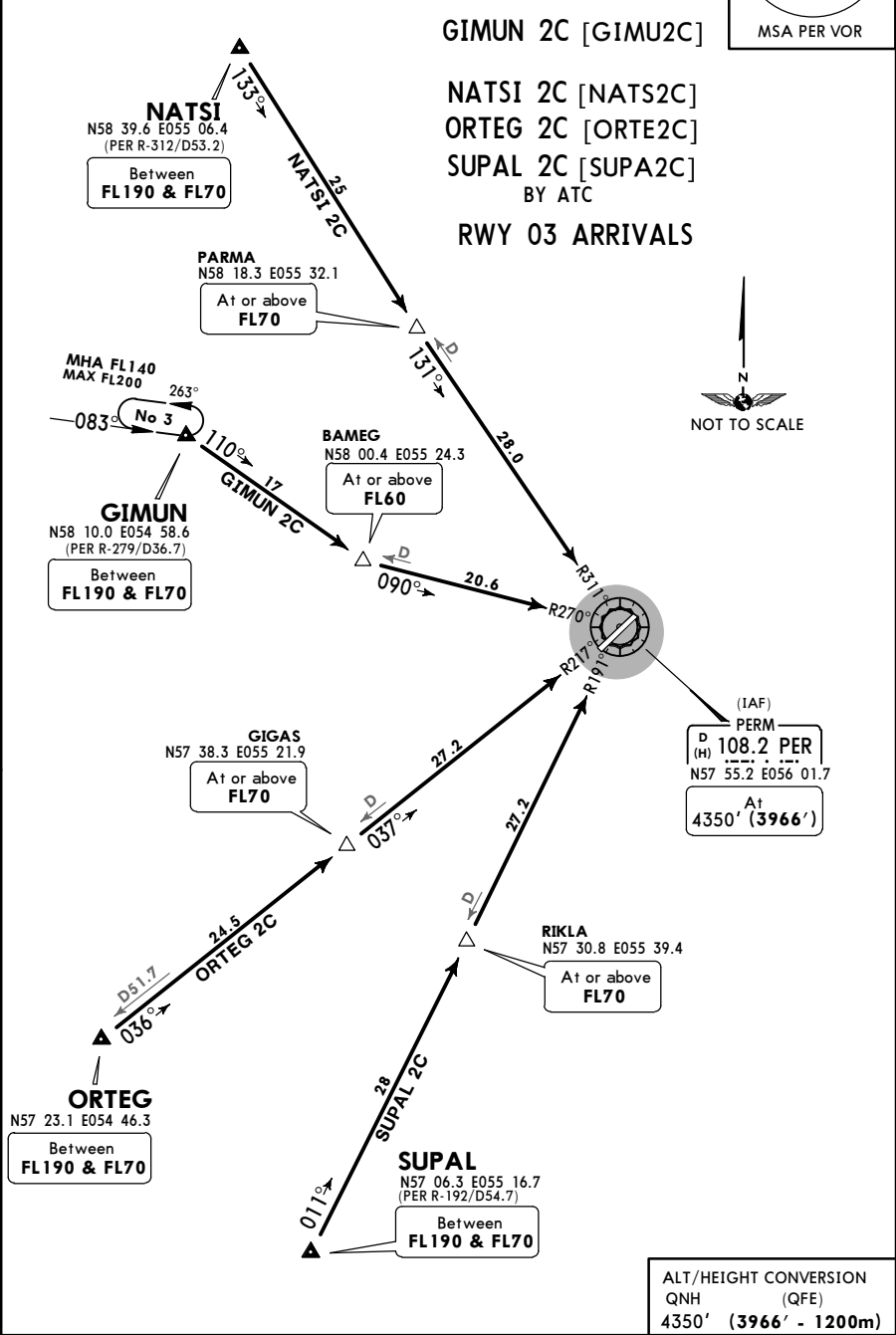
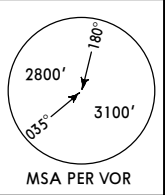


USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 (10-2X1) 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')
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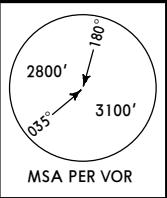


USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 (10-2X2) 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' (3956')
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NATSI
N58 39.6 E055 06.4
(PER R-312/D53.2)
Between
FL190 & FL70

GIMUN 4C[GIMU4C]
NATSI 4C[NATS4C]
ORTEG 4C[ORTE4C]
SUPAL 4C[SUPA4C]
BY ATC
RWY 21 ARRIVALS

PARMA
N58 18.3 E055 32.1
At or above
FL70

SINRA
N58 07.7 E055 31.4
At or above
FL60

MHA FL140
MAX FL200
263°
No 3

GIMUN
N58 10.0 E054 58.6
Between
FL190 & FL70

(IAF)
PERM
D (H) 108.2 PER
N57 55.2 E056 01.7
At
4350' (3956')

GIGAS
N57 38.3 E055 21.9
At or above
FL70

ORTEG
N57 23.1 E054 46.3
Between
FL190 & FL70

RIKLA
N57 30.8 E056 39.4
At or above
FL70

SUPAL
N57 06.3 E055 16.7
(PER R-192/D54.7)
Between
FL190 & FL70

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

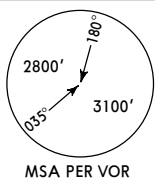


USPP/PEE
BOLSHOE SAVINO

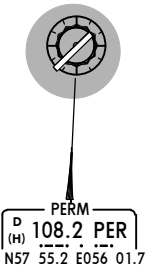
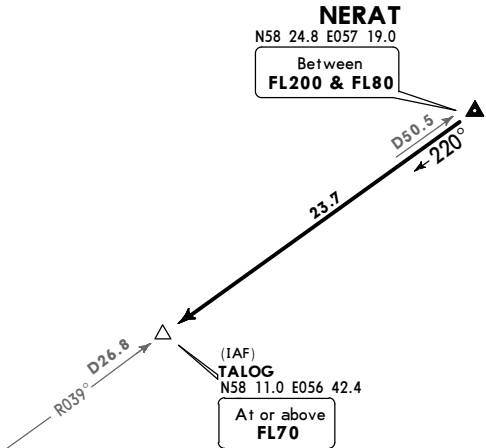
JEPPesen
11 SEP 15 10-2X3 Eff 17 Sep

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')
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NERAT 2D [NERA2D]
RWY 03 ARRIVAL
BY ATC

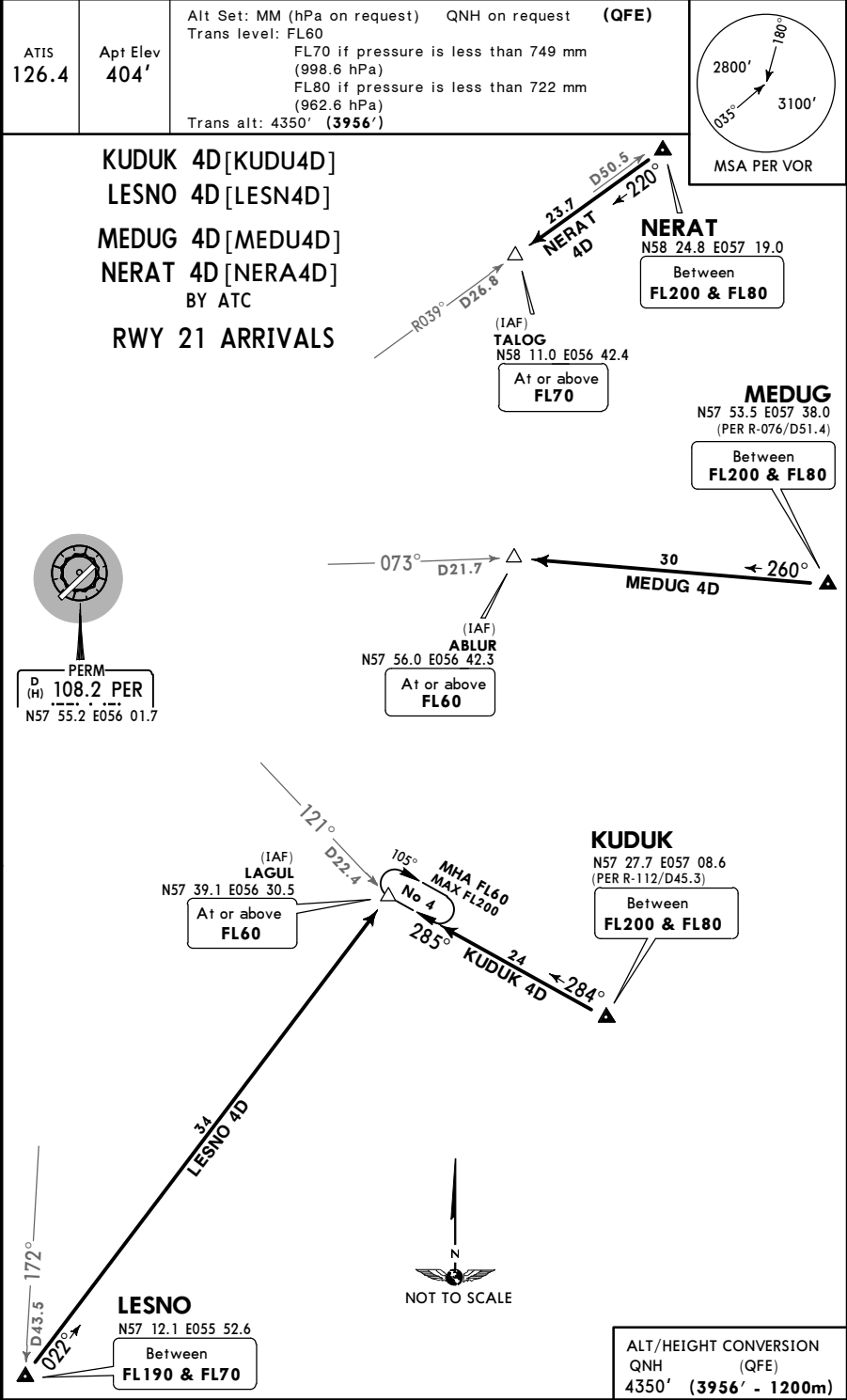


ALT/HEIGHT CONVERSION
QNH (QFE)
4350' (3966' - 1200m)

USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 (10-2X4) Eff 17 Sep

PERM, RUSSIA
STAR

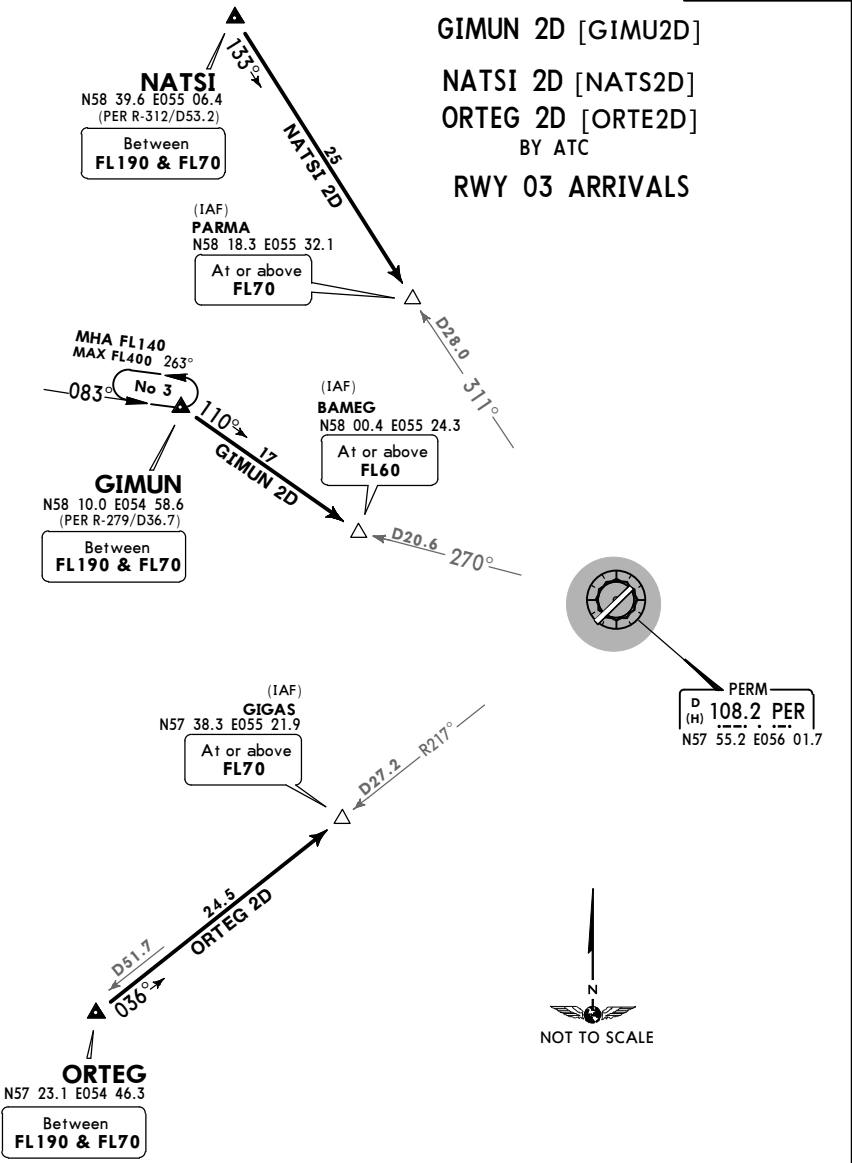
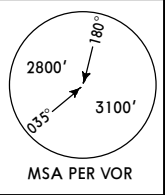


USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 (10-2X5) 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')
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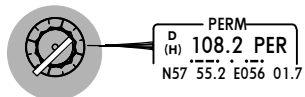
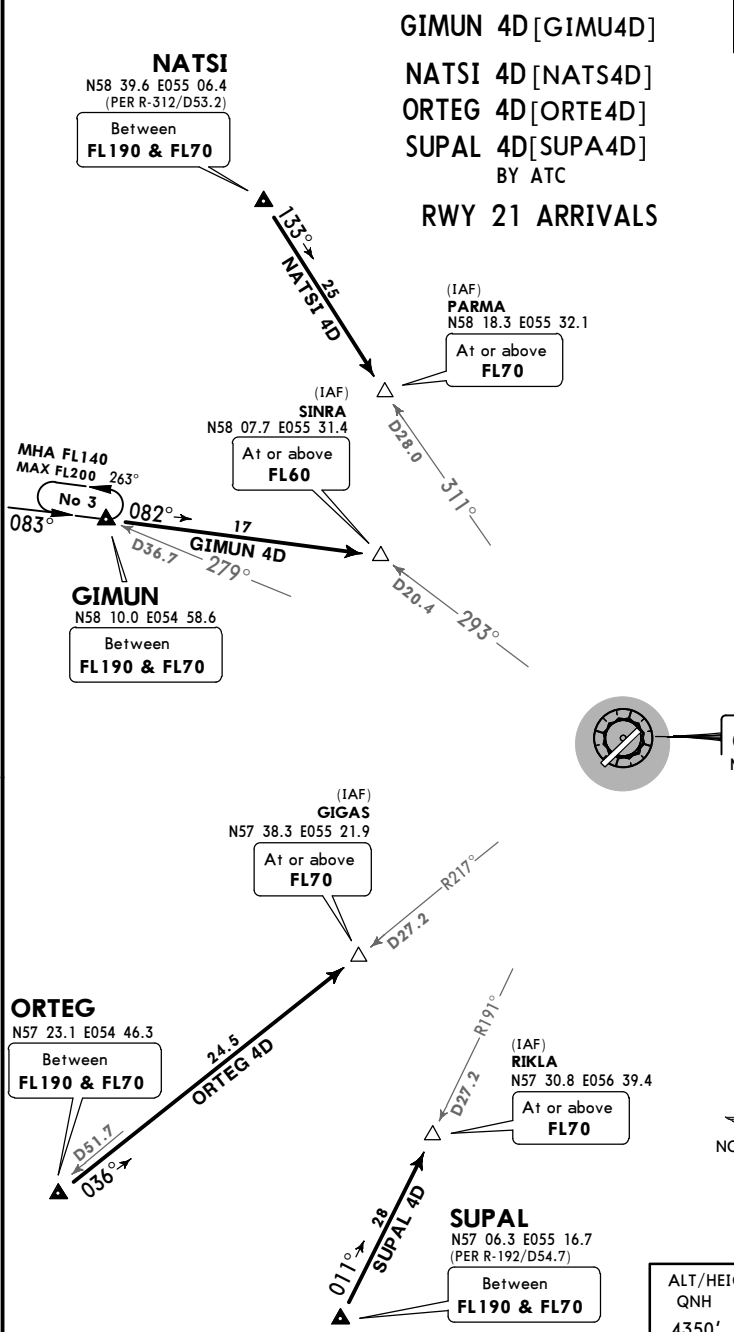
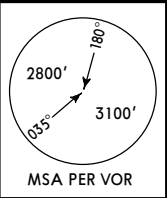
ALT/HEIGHT CONVERSION QNH (QFE) 4350' (3966' - 1200m)

USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 (10-2X6) 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' (3956')
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1. RNAV (GNSS)

ROSIB (FL60+)

DERO

LUB 1G DER03 - PP119 (1050⁺; K190-) - PP115 (K215-) - PP114 (FL50+) - ROSIB (FL60+) - RALUB (FL70+; FL190-)

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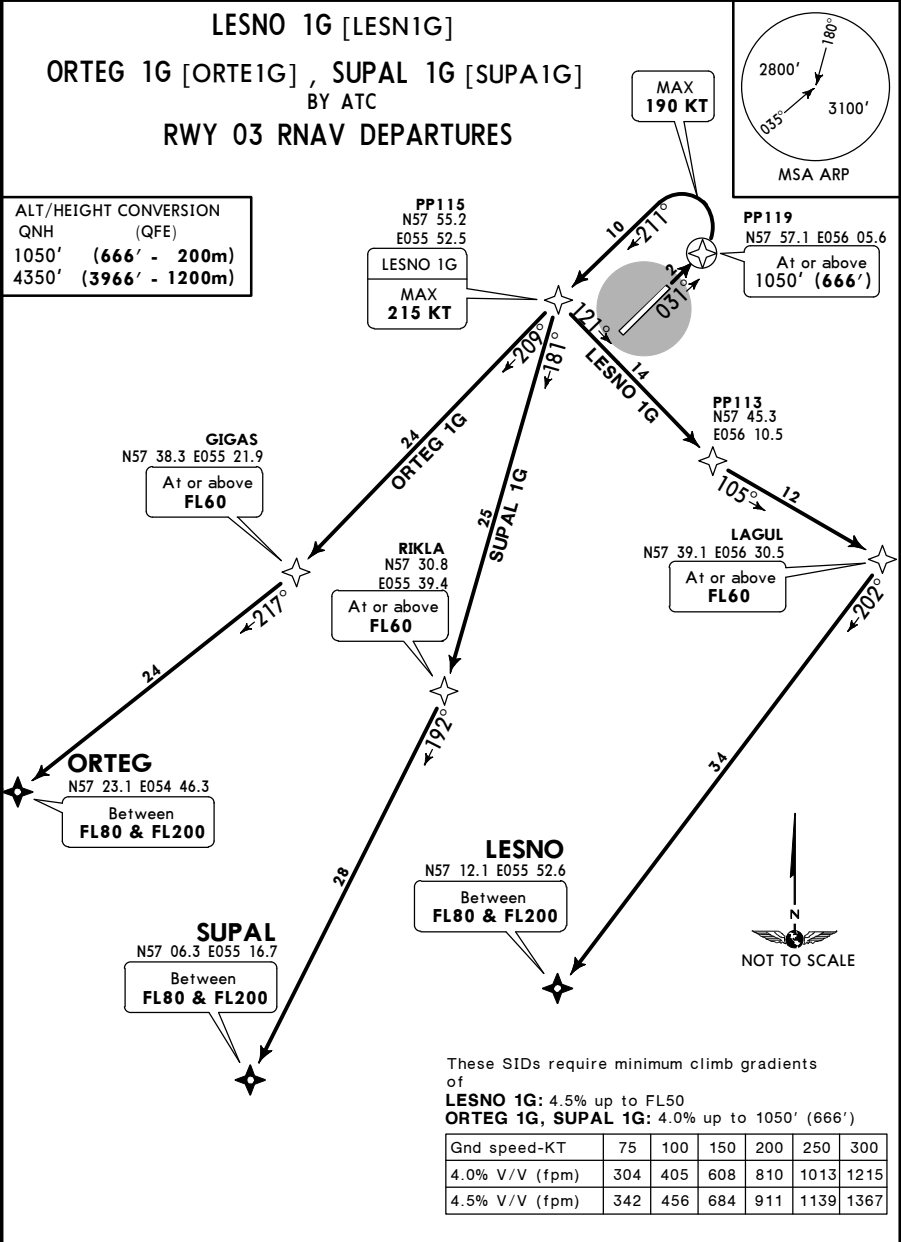
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USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 **10-3B** 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)	



SID	ROUTING
LESNO 1G	DER03 - PP119 (1050'+; K190-) - PP115 (K215-) - PP113 - LAGUL (FL60+) - LESNO (FL80+; FL200-)
ORTEG 1G	DER03 - PP119 (1050'+; K190-) - PP115 - GIGAS (FL60+) - ORTEG (FL80+; FL200-)
SUPAL 1G	DER03 - PP119 (1050'+; K190-) - PP115 - RIKLA (FL60+) - SUPAL (FL80+; FL200-)

USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 **10-3C** Eff 17 Sep

PERM, RUSSIA
RNAV SID

Apt Elev
404'

QNH on request **(QFE)**

Trans level: FL60

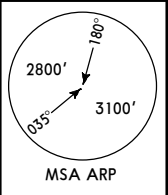
FL70 if pressure is less than 749 mm (998.6 hPa)

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

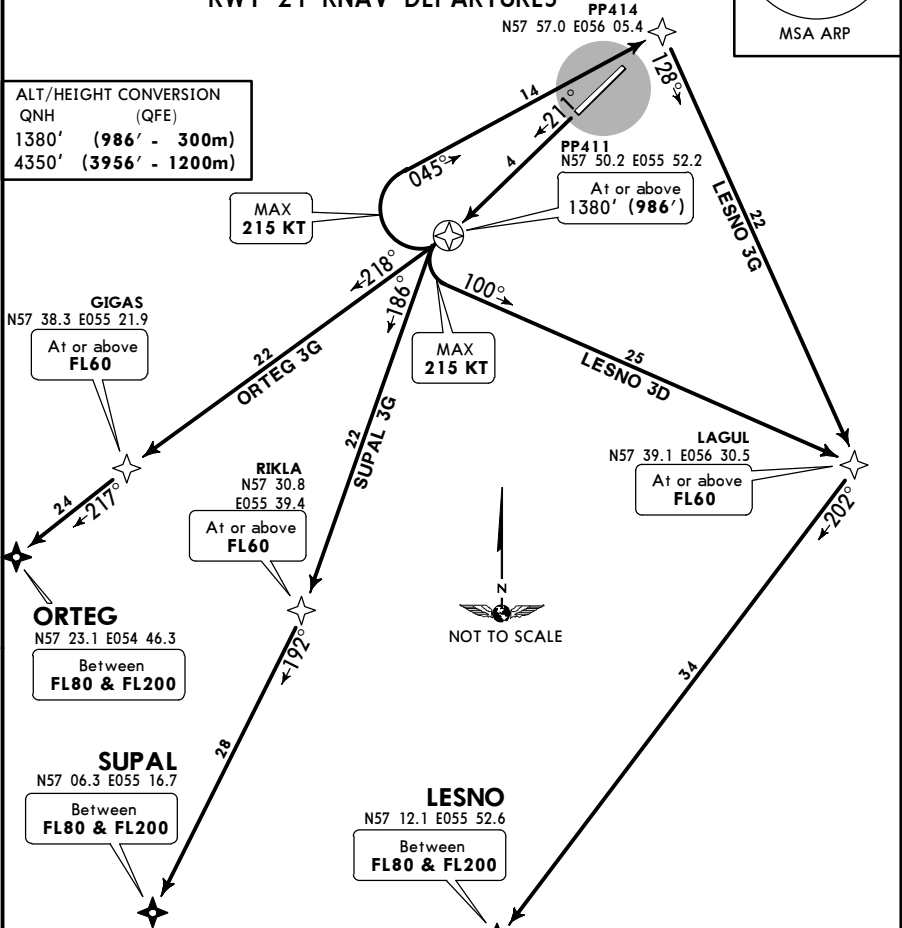
Trans alt: 4350' **(3956')**

1. RNAV **(GNSS)**

LESNO 3D [LESN3D], LESNO 3G [LESN3G]
ORTEG 3G [ORTE3G], SUPAL 3G [SUPA3G]
BY ATC
RWY 21 RNAV DEPARTURES



ALT/HEIGHT CONVERSION
QNH (QFE)
1380' (986' - 300m)
4350' (3956' - 1200m)



These SIDs require minimum climb gradients of
LESNO 3D, LESNO 3G: 4.5% up to 1380' (986')
ORTEG 3G, SUPAL 3G: 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
4.5% V/V (fpm)	342	456	684	911	1139	1367

SID	ROUTING
LESNO 3D	DER21 - PP411 (1370'+; 215KT-) - LAGUL (FL60+) - LESNO (FL80+; FL200-).
LESNO 3G	DER21 - PP411 (1370'+; 215KT-) - PP414 - LAGUL (FL60+) - LESNO (FL80+; FL200-).
ORTEG 3G	DER21 - PP411 (1370'+) - GIGAS (FL60+) - ORTEG (FL80+; FL200-).
SUPAL 3G	DER21 - PP411 (1370'+) - RIKLA (FL60+) - SUPAL (FL80+; FL200-).

USPP/PEE
BOLSHOE SAVINO

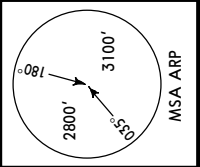
JEPPESSEN
11 SEP 15 (10-3D) Eff 17 Sep

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)

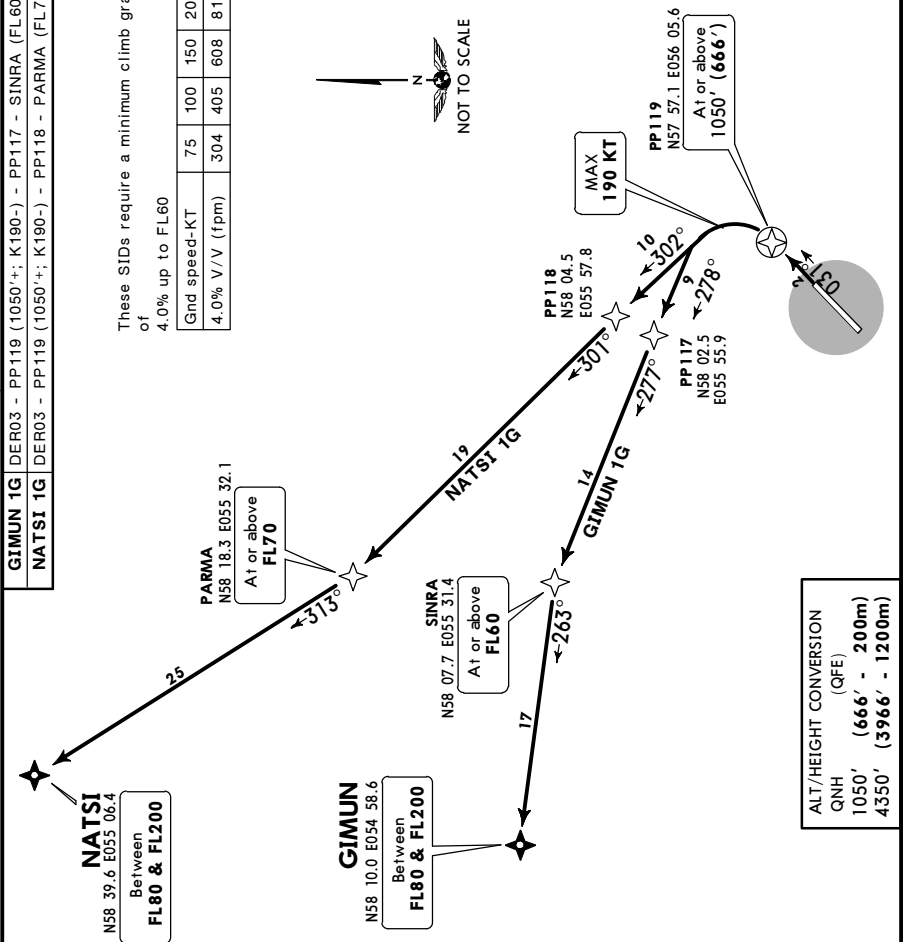
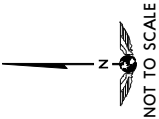
GIMUN 1G [GIMU1G]
NATSI 1G [NATS1G]
BY ATC
RWY 03 RNAV DEPARTURES



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

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 (QFE)
QNH 1050' (666' - 200m)
4350' (3966' - 1200m)

USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 **10-3E** **Eff 17 Sep**

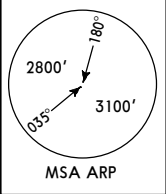
PERM, RUSSIA
RNAV SID

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')**
1. RNAV (GNSS)

Apt Elev
404'

GIMUN 3G [GIMU3G]
NATSI 3G [NATS3G]
BY ATC
RWY 21 RNAV DEPARTURES

NATSI
N58 39.6 E055 06.4
Between
FL80 & FL200



ALT/HEIGHT CONVERSION
QNH (QFE)
1380' **(986' - 300m)**
4350' **(3956' - 1200m)**

PARMA
N58 18.3 E055 32.1
At or above
FL70



GIMUN
N58 10.0 E054 58.6
Between
FL80 & FL200

BAMEG
N58 00.4 E055 24.3
At or above
FL60

These SIDs require a minimum climb gradient
of
GIMUN 3G: 4.5% up to FL60
NATSI 3G: 4.5% up to 1380' (986')

Gnd speed-KT	75	100	150	200	250	300
4.5% V/V (fpm)	342	456	684	911	1139	1367

MAX
215 KT

PP411
N57 50.2 E055 52.2
At or above
1380' (986')

SID

ROUTING

GIMUN 3G DER21 - PP411 (1380'+; K215-) - BAMEG (FL60+) - GIMUN (FL80+; FL200-).

NATSI 3G DER21 - PP411 (1380'+; K215-) - PARMA (FL70+) - NATSI (FL80+; FL200-).

USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 10-3F Eff 17 Sep

PERM, RUSSIA
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')

3100'

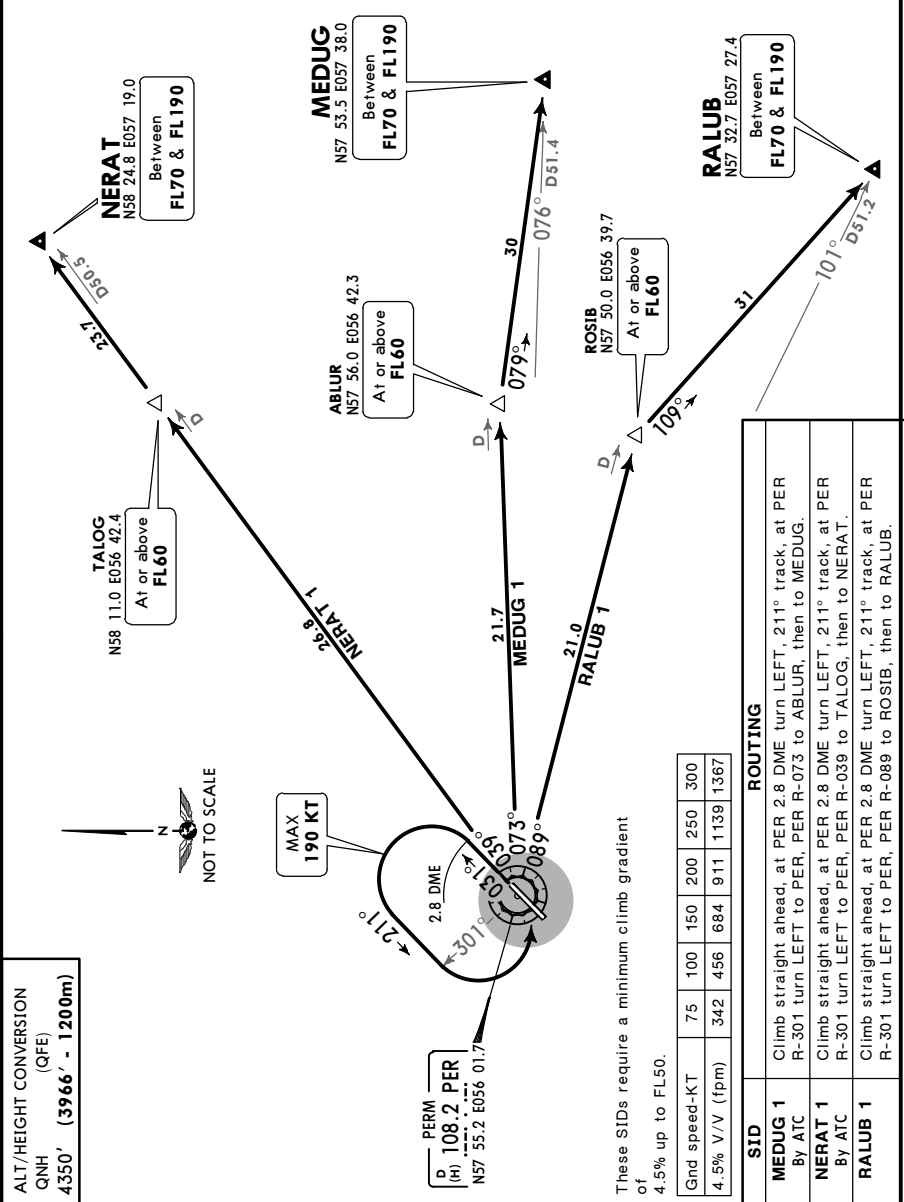
2800'

180°

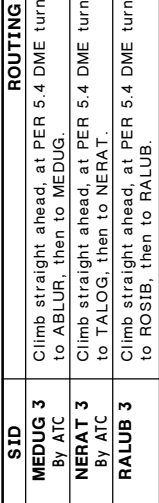
035°

MSA PER VOR

MEDUG 1, NERAT 1, RALUB 1
RWY 03 DEPARTURES



SID



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



Gnd speed-KT	75	100	150	200	250	300
4.5% V/V (fpm)	342	456	684	911	1139	1367
4.0% V/V (fpm)	304	405	608	810	1013	1215

Gnd speed-KT	75	100	150	200	250	300
4.5% V/V (fpm)	342	456	684	911	1139	1367
4.0% V/V (fpm)	304	405	608	810	1013	1215

SID	ROUTING
LESNO 1	Climb straight ahead, at PER 2.8 DME turn LEFT, 211° track, at PER R-301 turn LEFT, 091° track, intercept PER R-121 to LAGUL, then to LESNO.
ORTEG 1 By ATC	Climb straight ahead, at PER 2.8 DME turn LEFT, 211° track, at PER R-301 turn LEFT, 178° track, intercept PER R-217 to GIGAS, then to ORTEG.
SUPAL 1 By ATC	Climb straight ahead, at PER 2.8 DME turn LEFT, 211° track, at PER R-301 turn LEFT, 153° track, intercept PER R-191 to RIKLA, then to SUPAL.

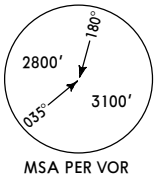
USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 SEP 15 (10-3K) Eff 17 Sep

PERM, RUSSIA
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')

GIMUN 1, NATSI 1
RWY 03 DEPARTURES



NATSI
N58 39.6 E055 06.4
(PER R-312/D53.2)
Between
FL80 & FL200

GIMUN
N58 10.0 E054 58.6
Between
FL80 & FL200

SINRA
N58 07.7 E055 31.4
At or above
FL60

PARMA
N58 18.3 E055 32.1
At or above
FL70



MAX
190 KT

PERM
D(H) 108.2 PER
N57 55.2 E056 01.7

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

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

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

SID	ROUTING
GIMUN 1	Climb straight ahead, at PER 2.8 DME turn LEFT, 257° track, intercept PER R-293 to SINRA, then to GIMUN.
NATSI 1 By ATC	Climb straight ahead, at PER 2.8 DME turn LEFT, 277° track, intercept PER R-311 to PARMA, then to NATSI.

USPP/PEE
BOLSHOE SAVINO

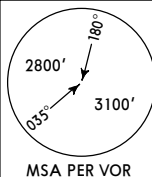
JEPPESSEN
11 SEP 15 **10-3L** **Eff 17 Sep**

PERM, RUSSIA
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' **(3956')**

GIMUN 3, NATSI 3 RWY 21 DEPARTURES



NATSI
N58 39.6 E055 06.4
(PER R-312/D53.2)

Between
FL80 & FL200

GIMUN
N58 10.0 E054 58.6

Between
FL80 & FL200

PARMA
N58 18.3 E055 32.1

At or above
FL70

BAMEG
N58 00.4 E055 24.3

At or above
FL60

PERM
D(H) 108.2 PER
N57 55.2 E056 01.7



ALT/HEIGHT CONVERSION
QNH (QFE)
1380' **(986' - 300m)**
4350' **(3956' - 1200m)**

These SIDs require a minimum climb gradient of

GIMUN 3: 4.5% up to FL60.

NATSI 3: 4.5% up to 1380' (986').

Gnd speed-KT	75	100	150	200	250	300
4.5% V/V (fpm)	342	456	684	911	1139	1367

SID

ROUTING

GIMUN 3

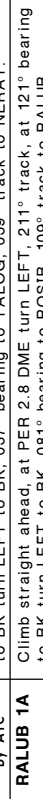
Climb straight ahead, at PER 5.4 DME turn RIGHT, 315° track, intercept PER R-270 to BAMEG, then to GIMUN.

NATSI 3

By ATC

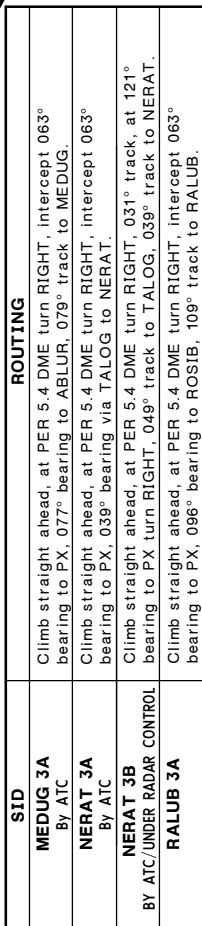
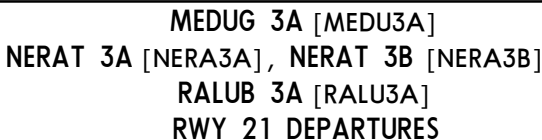
Climb straight ahead, at PER 5.4 DME turn RIGHT, 356° track, intercept PER R-311 to PARMA, then to NATSI.

Trans alt: 4350' (3966')



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Trans alt: 4350' (3956')



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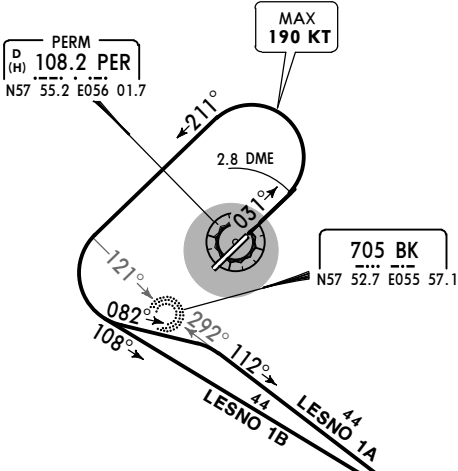
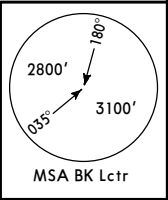
USPP/PEE
BOLSHOE SAVINO

JEPPESSEN
11 SEP 15 10-3P Eff 17 Sep

PERM, RUSSIA
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')	

LESNO 1A [LESN1A] , LESNO 1B [LESN1B]
RWY 03 DEPARTURES



LAGUL
N57 39.1 E056 30.5
At or above
FL60



These SIDs require a minimum climb gradient
of
4.0% up to FL50.

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

If unable to comply report to start controller.

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

SID	ROUTING
LESNO 1A	Climb straight ahead, at PER 2.8 DME turn LEFT, 211° track, at 121° bearing to BK turn LEFT, 082° track, intercept 112° bearing from BK to LAGUL, 202° track to LESNO.
LESNO 1B UNDER RADAR CONTROL	Climb straight ahead, at PER 2.8 DME turn LEFT, 211° track, at 121° bearing to BK turn LEFT, 108° track LAGUL, 202° track to LESNO.

If unable to comply report to start controller.

USPP/PEE
BOLSHOE SAVINO

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

PERM, RUSSIA
SID

Apt Elev
404'

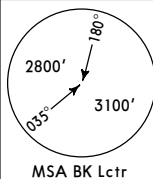
QNH on request **(QFE)**

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')**



**ORTEG 1A [ORTE1A] , ORTEG 1B [ORTE1B]
SUPAL 1A [SUPA1A] , SUPAL 1B [SUPA1B]
RWY 03 DEPARTURES
BY ATC**



GIGAS
N57 38.3 E055 21.9

At or above
FL60

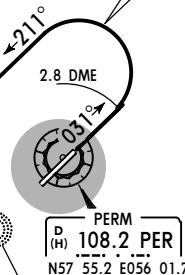
ORTEG
N57 23.1 E054 46.3
Between
FL80 & FL200

RIKLA
N57 30.8 E055 39.4

At or above
FL60

SUPAL
N57 06.3 E055 16.7
Between
FL80 & FL200

**MAX
190 KT**



705 BK
N57 52.7 E055 57.1

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

These SIDs require a minimum climb gradient
of
4.0% up to 1050' (666').

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

If unable to comply report to start controller.

SID

ROUTING

ORTEG 1A

Climb straight ahead, at PER 2.8 DME turn LEFT, 211° track, at 121° bearing to BK turn LEFT, 178° track, intercept 218° bearing from BK to GIGAS, 217° track to ORTEG.

ORTEG 1B①

Climb straight ahead, at PER 2.8 DME turn LEFT, 211° track, at 121° bearing to BK, 207° track to GIGAS, 217° track to ORTEG.

SUPAL 1A

Climb straight ahead, at PER 2.8 DME turn LEFT, 211° track, at 121° bearing to BK turn LEFT, 146° track, intercept 189° bearing from BK to RIKLA, 192° track to SUPAL.

SUPAL 1B①

Climb straight ahead, at PER 2.8 DME turn LEFT, 211° track, at 121° bearing to BK turn LEFT, 178° track to RIKLA, 192° track to SUPAL.

① Under RADAR control.

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USPP/PEE
BOLSHOE SAVINO

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

PERM, RUSSIA
SID

Apt Elev
404'

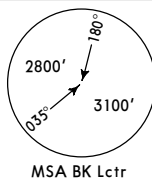
QNH on request (QFE)

Trans level: FL60

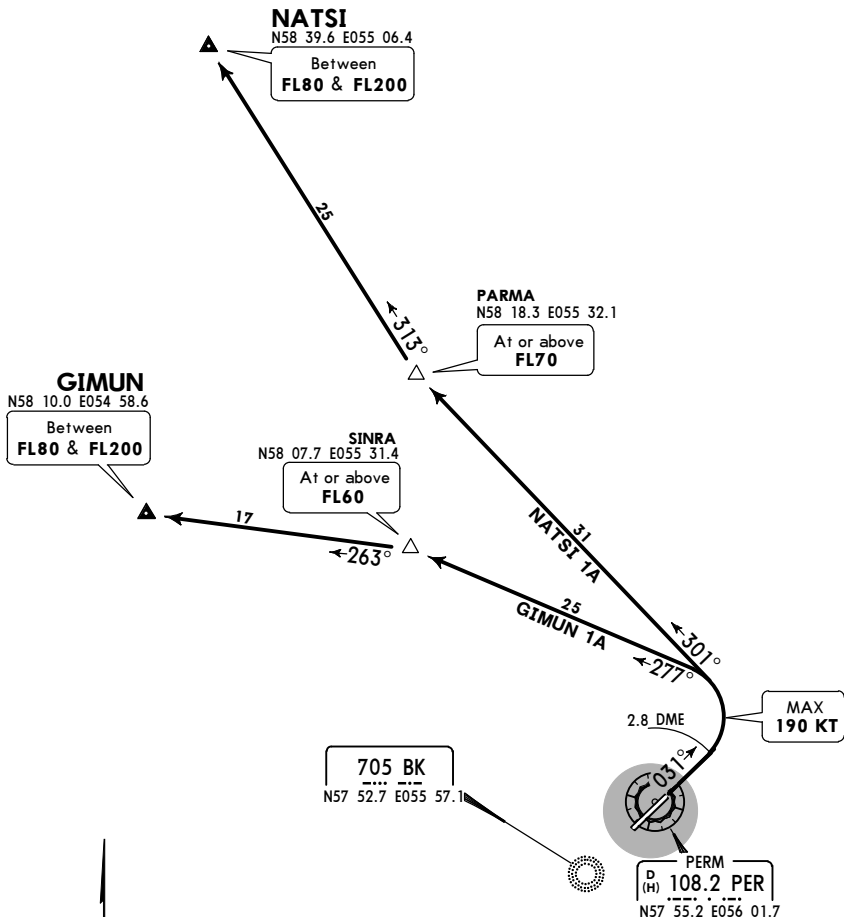
FL70 if pressure is less than 749 mm (998.6 hPa)

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

Trans alt: 4350' (3966')



GIMUN 1A [GIMU1A]
NATSI 1A [NATS1A]
RWY 03 DEPARTURES
UNDER RADAR CONTROL



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

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

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

If unable to comply report to start controller.

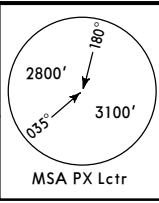
SID	ROUTING
GIMUN 1A	Climb straight ahead, at PER 2.8 DME turn LEFT, 277° track to SINRA, 263° track to GIMUN.
NATSI 1A BY ATC	Climb straight ahead, at PER 2.8 DME turn LEFT, 301° track to PARMA, 313° track to NATSI.

USPP/PEE
BOLSHOE SAVINO

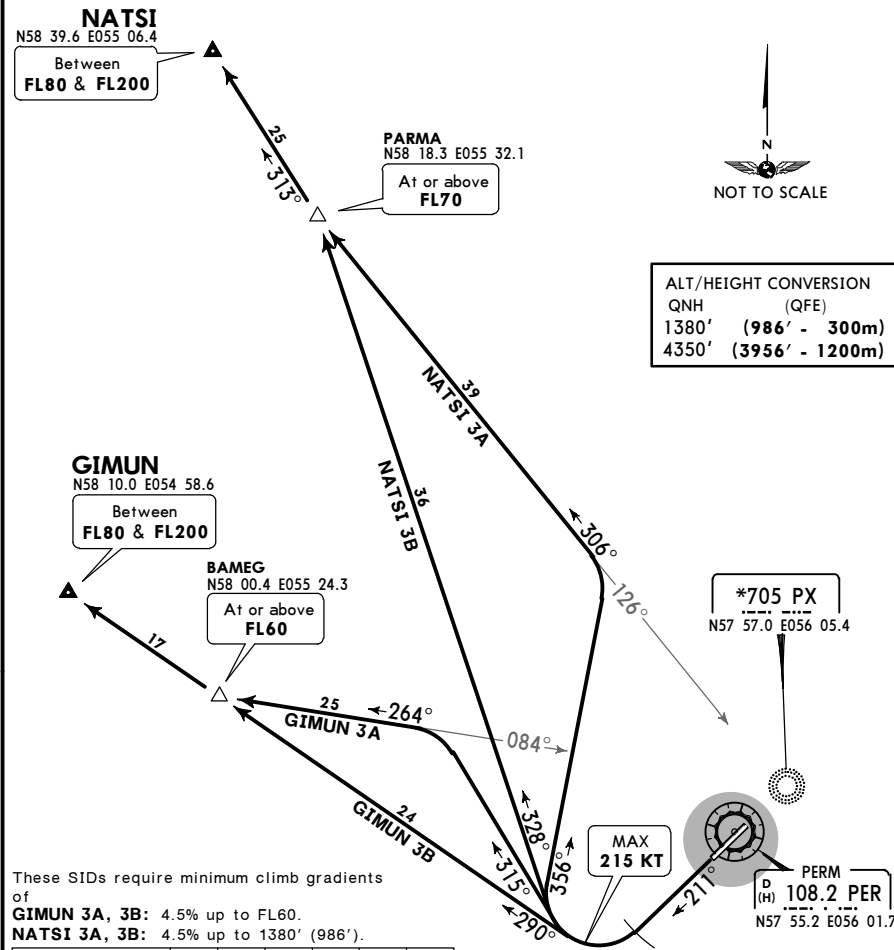
JEPPESSEN
11 SEP 15 10-3V Eff 17 Sep

PERM, RUSSIA
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' (3956')



GIMUN 3A [GIMU3A] , GIMUN 3B [GIMU3B]
NATSI 3A [NATS3A] , NATSI 3B [NATS3B]
RWY 21 DEPARTURES



These SIDs require minimum climb gradients of
GIMUN 3A, 3B: 4.5% up to FL60.
NATSI 3A, 3B: 4.5% up to 1380' (986').

Gnd speed-KT	75	100	150	200	250	300
4.5% V/V (fpm)	342	456	684	911	1139	1367

If unable to comply report to start controller.

SID	ROUTING
GIMUN 3A	Climb straight ahead, at PER 5.4 DME turn RIGHT, 315° track, intercept 264° bearing from PX to BAMEG, 290° track to GIMUN.
GIMUN 3B UNDER RADAR CONTROL	Climb straight ahead, at PER 5.4 DME turn RIGHT, 290° track via BAMEG to GIMUN.
NATSI 3A BY ATC	Climb straight ahead, at PER 5.4 DME turn RIGHT, 356° track, intercept 306° bearing from PX to PARMA, 313° track to NATSI.
NATSI 3B BY ATC/UNDER RADAR CONTROL	Climb straight ahead, at PER 5.4 DME turn RIGHT, 328° track to PARMA, 313° track to NATSI.

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

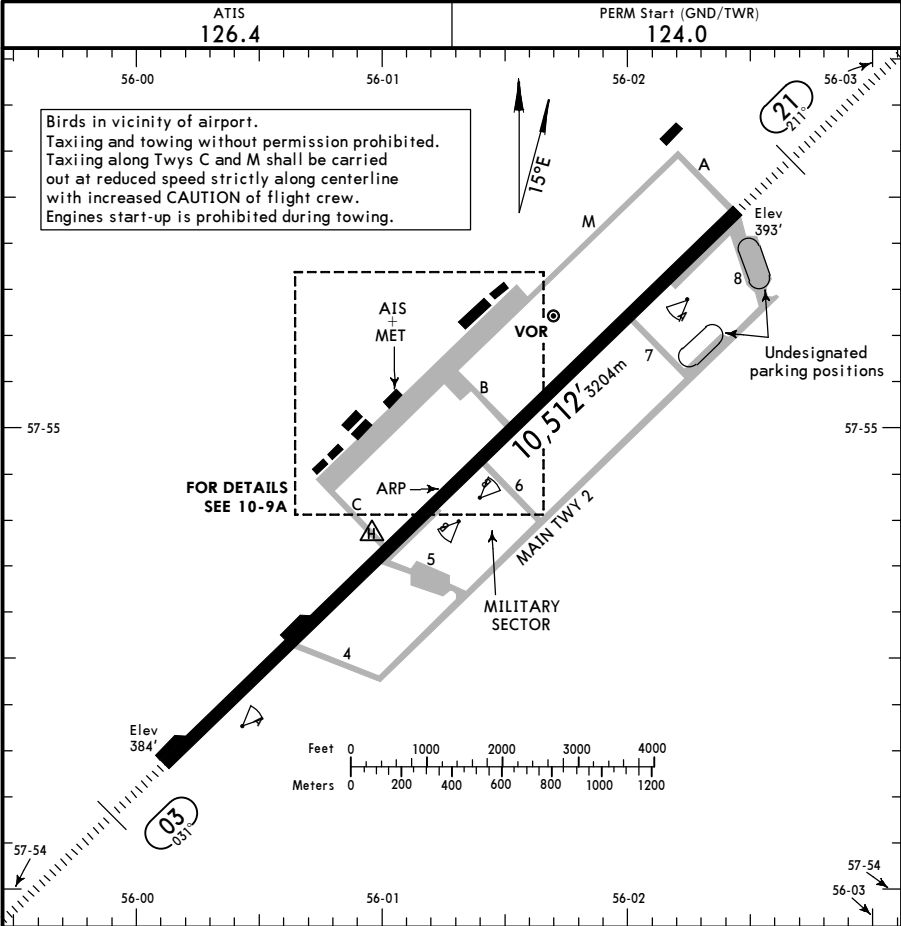
These procedures are not applied in cases when

- 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
11 SEP 15 **(10-9)** Eff 17 Sep

PERM, RUSSIA
BOLSHOE SAVINO



ADDITIONAL RUNWAY INFORMATION								
RWY					USABLE LENGTHS		TAKE-OFF	WIDTH
					LANDING BEYOND			
					Threshold	Glide Slope		
03								161'
21	HIRL (60m)	HIALS	PAPI-L (angle 3.0°)	RVR		9479' 2889m	①	49m

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

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

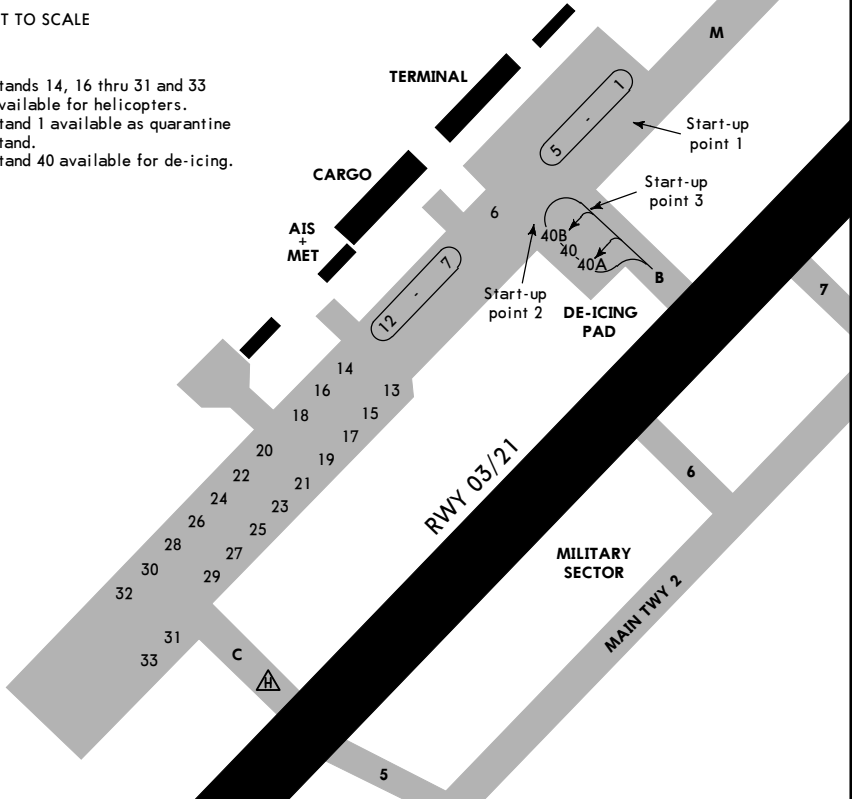
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JEPPesen
11 SEP 15 10-9A Eff 17 Sep

PERM, RUSSIA
BOLSHOE SAVINO

NOT TO SCALE

Stands 14, 16 thru 31 and 33
available for helicopters.
Stand 1 available as quarantine
stand.
Stand 40 available for de-icing.



INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
1	N57 55.2 E056 01.4	22	N57 54.9 E056 00.8
2, 3	N57 55.2 E056 01.3	23	N57 54.9 E056 00.9
4 thru 6	N57 55.1 E056 01.2	24 thru 29	N57 54.9 E056 00.8
7 thru 9	N57 55.1 E056 01.1	30	N57 54.9 E056 00.7
10	N57 55.0 E056 01.1	40, 40A	N57 55.0 E056 01.3
11 thru 15	N57 55.0 E056 01.0	40B	N57 55.1 E056 01.3
16	N57 55.0 E056 00.9		
17	N57 54.9 E056 01.0		
18	N57 55.0 E056 01.0		
19 thru 21	N57 54.9 E056 00.9		

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 reprot about take-off execution.
After landing, pilot must report about runway vacaction 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 vacaction till parking on the designated stand.

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JEPPESSEN
 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')	800' (416')	800' (416')	800' (416')
		R1200m	R1200m	R1200m	R1200m
	ALS out	R1500m	R1500m	R1900m	R1900m
	VOR ①	760' (376')	760' (376')	760' (376')	760' (376')
		R1000m	R1000m	R1000m	R1000m
	ALS out	R1500m	R1500m	R1700m	R1700m
	2 NDB ①②	810' (426')	810' (426')	810' (426')	810' (426')
		R1300m	R1300m	R1300m	R1300m
	ALS out	R1500m	R1500m	R2000m	R2000m
	2 NDB ③	1620' (1236')	1620' (1236')	1620' (1236')	1620' (1236')
		C5000m	C5000m	C5000m	C5000m
	BK NDB ①②	970' (586')	970' (586')	970' (586')	970' (586')
		R1500m	R1500m	R2000m	R2000m
	ALS out	R1500m	R1500m	C2400m	C2400m
21	BK NDB ③	1620' (1236')	1620' (1236')	1620' (1236')	1620' (1236')
		C5000m	C5000m	C5000m	C5000m
	K NDB ①②	1020' (636')	1020' (636')	1020' (636')	1020' (636')
		R1500m	R1500m	C2200m	C2200m
	ALS out	R1500m	R1500m	C2400m	C2400m
	K NDB ③	1620' (1236')	1620' (1236')	1620' (1236')	1620' (1236')
		C5000m	C5000m	C5000m	C5000m
	ILS	594' (200')	594' (200')	594' (200')	594' (200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	RNAV ①	730' (336')	730' (336')	730' (336')	730' (336')
		R800m	R800m	R800m	R800m
	ALS out	R1500m	R1500m	R1500m	R1500m
	VOR ①	730' (336')	730' (336')	730' (336')	730' (336')
		R800m	R800m	R800m	R800m
	ALS out	R1500m	R1500m	R1500m	R1500m
	2 NDB ①②	750' (356')	750' (356')	750' (356')	750' (356')
		R900m	R900m	R900m	R900m
	ALS out	R1500m	R1500m	R1600m	R1600m
	2 NDB ③	1930' (1536')	1930' (1536')	1930' (1536')	1930' (1536')
		C5000m	C5000m	C5000m	C5000m
	PX NDB ①②	970' (576')	970' (576')	970' (576')	970' (576')
		R1500m	R1500m	R1900m	R1900m
	ALS out	R1500m	R1500m	C2400m	C2400m
	PX NDB ③	1930' (1536')	1930' (1536')	1930' (1536')	1930' (1536')
		C5000m	C5000m	C5000m	C5000m
	X NDB ①②	1010' (616')	1010' (616')	1010' (616')	1010' (616')
		R1500m	R1500m	C2100m	C2100m
	ALS out	R1500m	R1500m	C2400m	C2400m
	X NDB ③	1930' (1536')	1930' (1536')	1930' (1536')	1930' (1536')
		C5000m	C5000m	C5000m	C5000m

① Continuous Descent Final Approach.

② with FAF.

③ w/o FAF.

USPP/PEE

 **JEPPESSEN**

11 SEP 15

10-9S1

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		

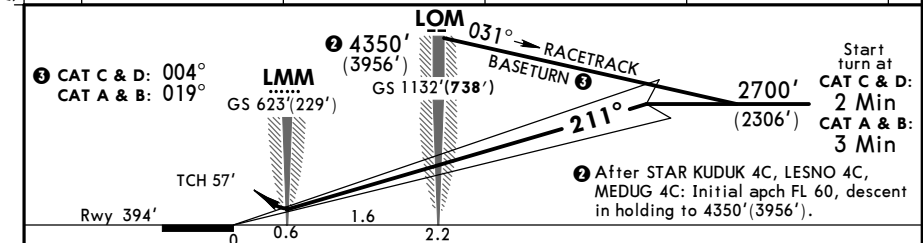
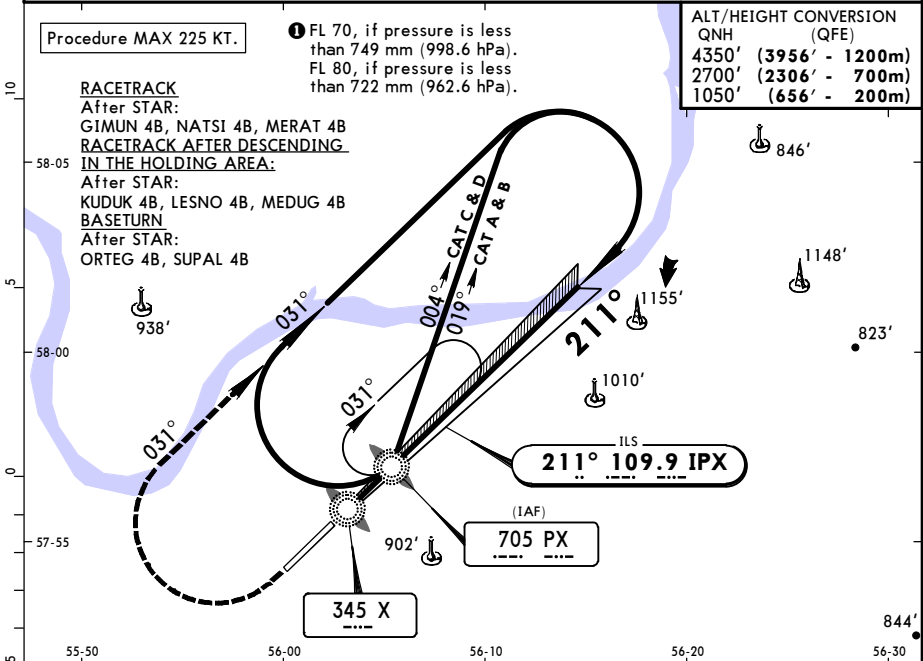
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BOLSHOE SAVINO

11 MAR 16 **11-1**

PERM, RUSSIA
ILS 1 Rwy 21

ATIS 126.4	PERM Approach (R) 127.1	PERM Start (TWR) 124.0	Ground 124.0
LOC IPX 109.9	Final Apch Crs 211°	GS LOM 1132'(738')	ILS DA(H) 594'(200') 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.			
BRIEFING STRIP™			
MSA PX NDB			

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 1 Trans alt: 4350' (3956')

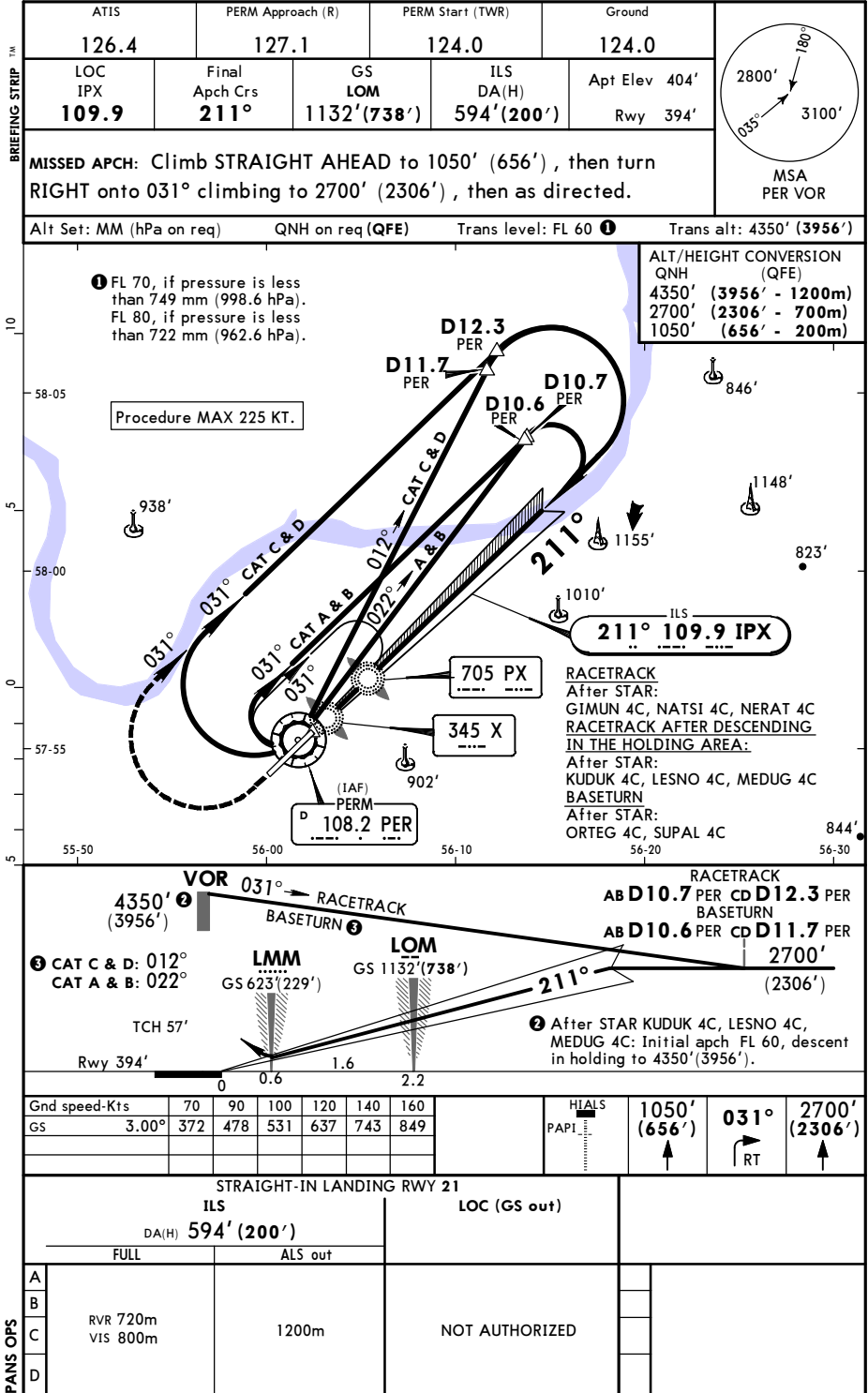


Gnd speed-Kts	70	90	100	120	140	160	HIALS	1050' (656')	031°	2700' (2306')
GS	3.00°	372	478	531	637	743	849	PAPI	RT	
STRAIGHT-IN LANDING RWY 21										
ILS DA(H) 594'(200')						LOC (GS out)				
FULL						ALS out				
A										
B										
C	RVR 720m VIS 800m					1200m				
D						NOT AUTHORIZED				

PANS OPS

CHANGES: Speed restriction.

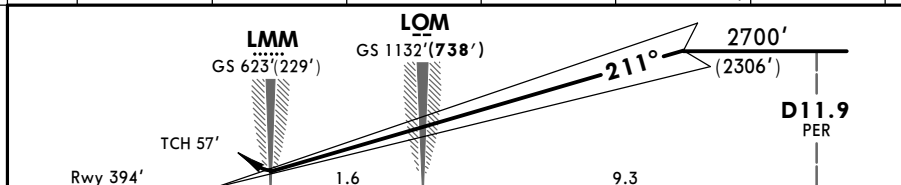
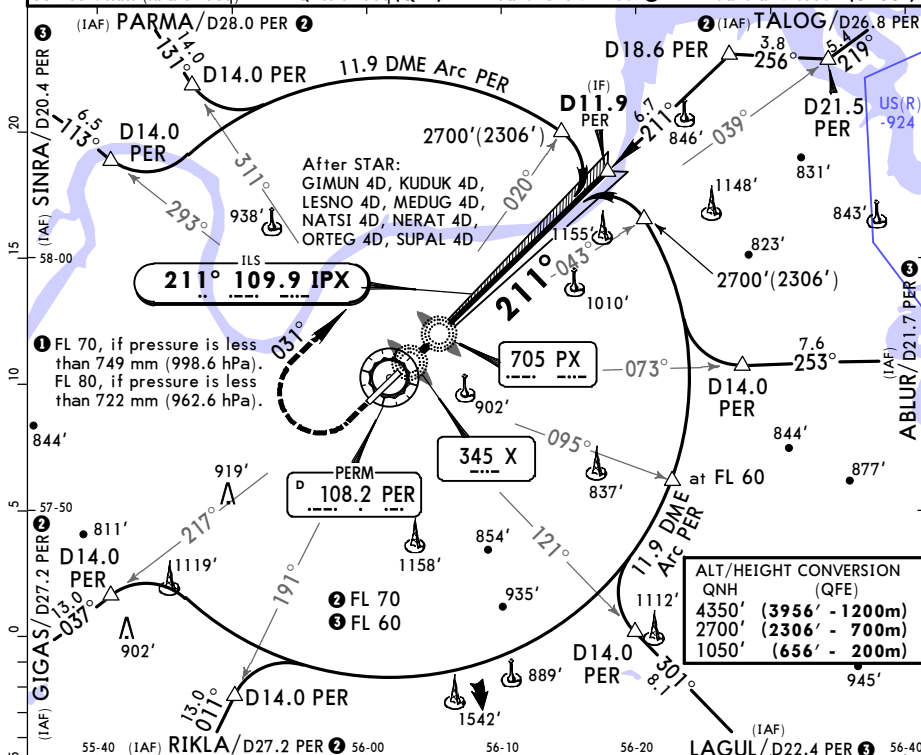
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MSA PER VOR

MSA PER VOR

(IAF) **PARMA**/D28.0 PER 2

[illegible]

STRAIGHT-IN LANDING RWY 21

ILS

DA(H) 594' (200')

LOC (GS out)

FULL

ALS out

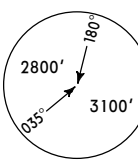
NOT AUTHORIZED

PANS OPS

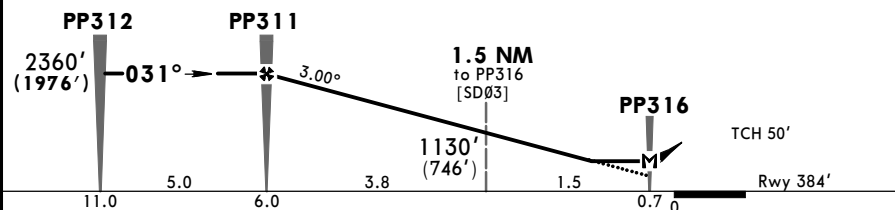
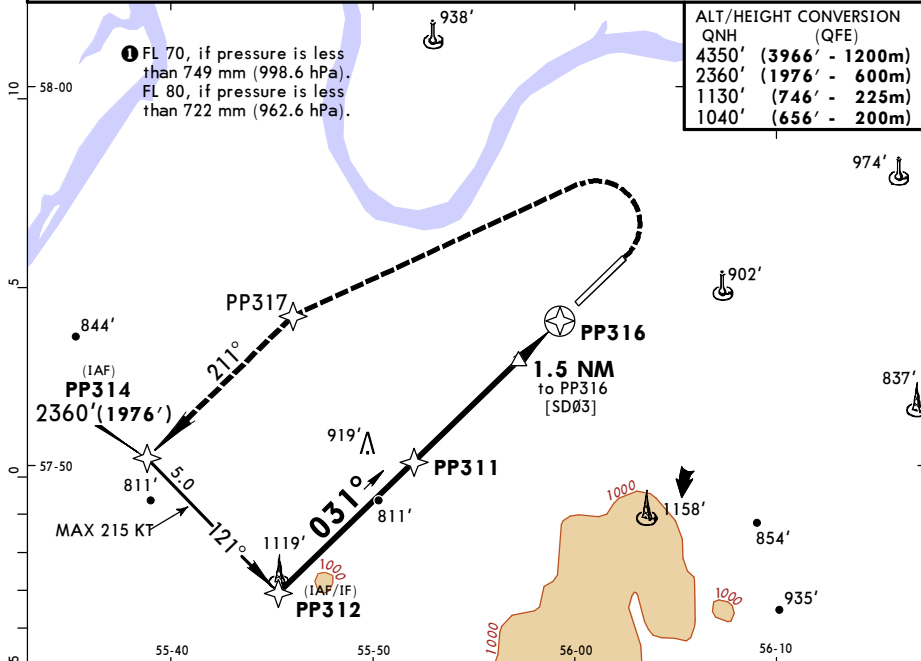
USPP/PEE
BOLSHOE SAVINO

JEPPesen
22 JAN 16 12-1 Eff 4 Feb

PERM, RUSSIA
RNAV (GNSS) Rwy 03

BRIEFING STRIP™	ATIS		PERM Approach (R)		PERM Start (TWR)		Ground		 MSA ARP
	126.4		127.1		124.0		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.								

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 LT
Descent Angle	3.00°	372	478	531	637	849			
MAP at PP316									

STRAIGHT-IN LANDING RWY 03

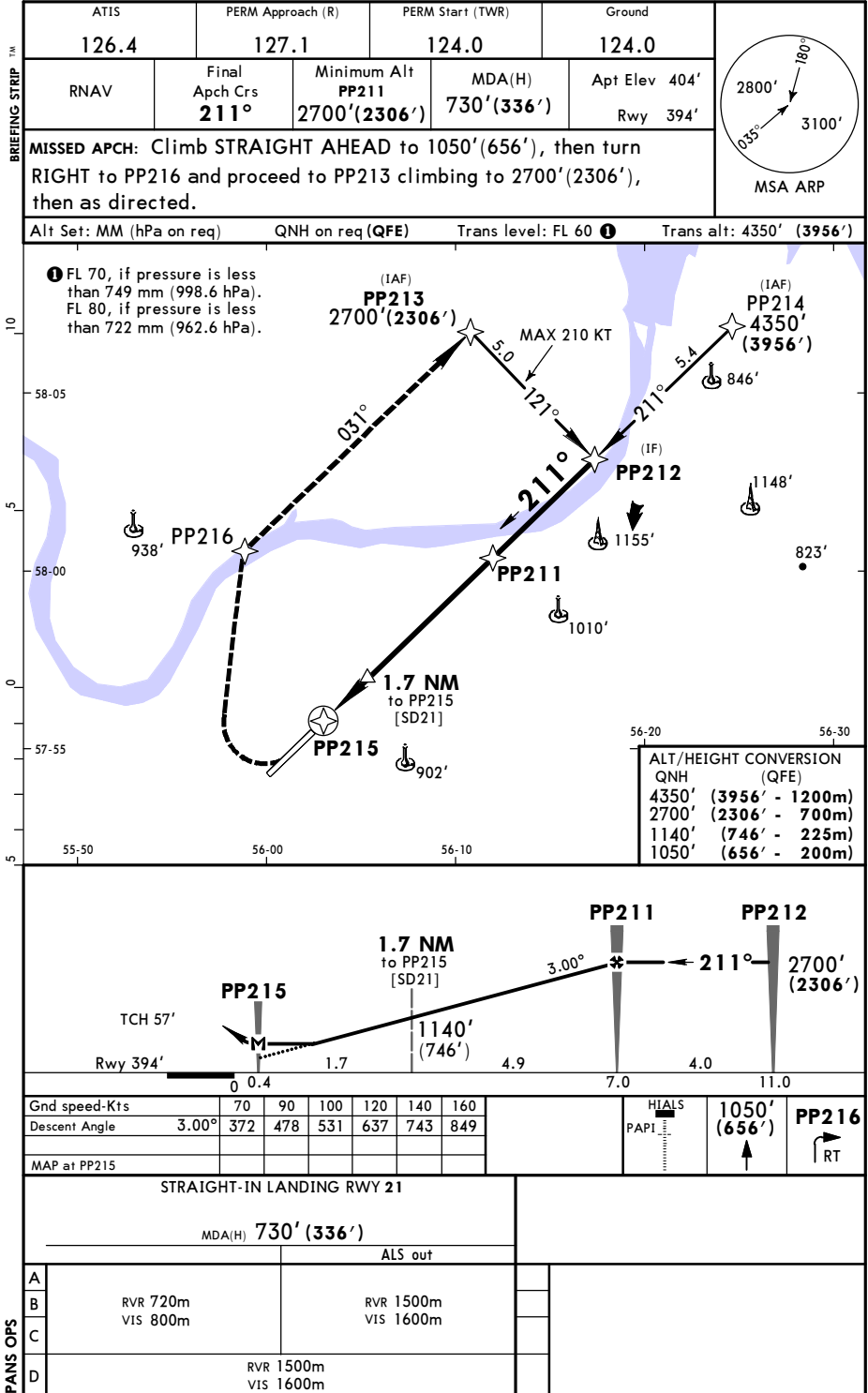
MDA(H) 800'(416')

ALS out

A	RVR 720m VIS 800m	RVR 1500m VIS 1600m	
B			
C	1200m	RVR 1800m VIS 2000m	
D	RVR 1500m VIS 1600m		

CHANGES: Missed apch.

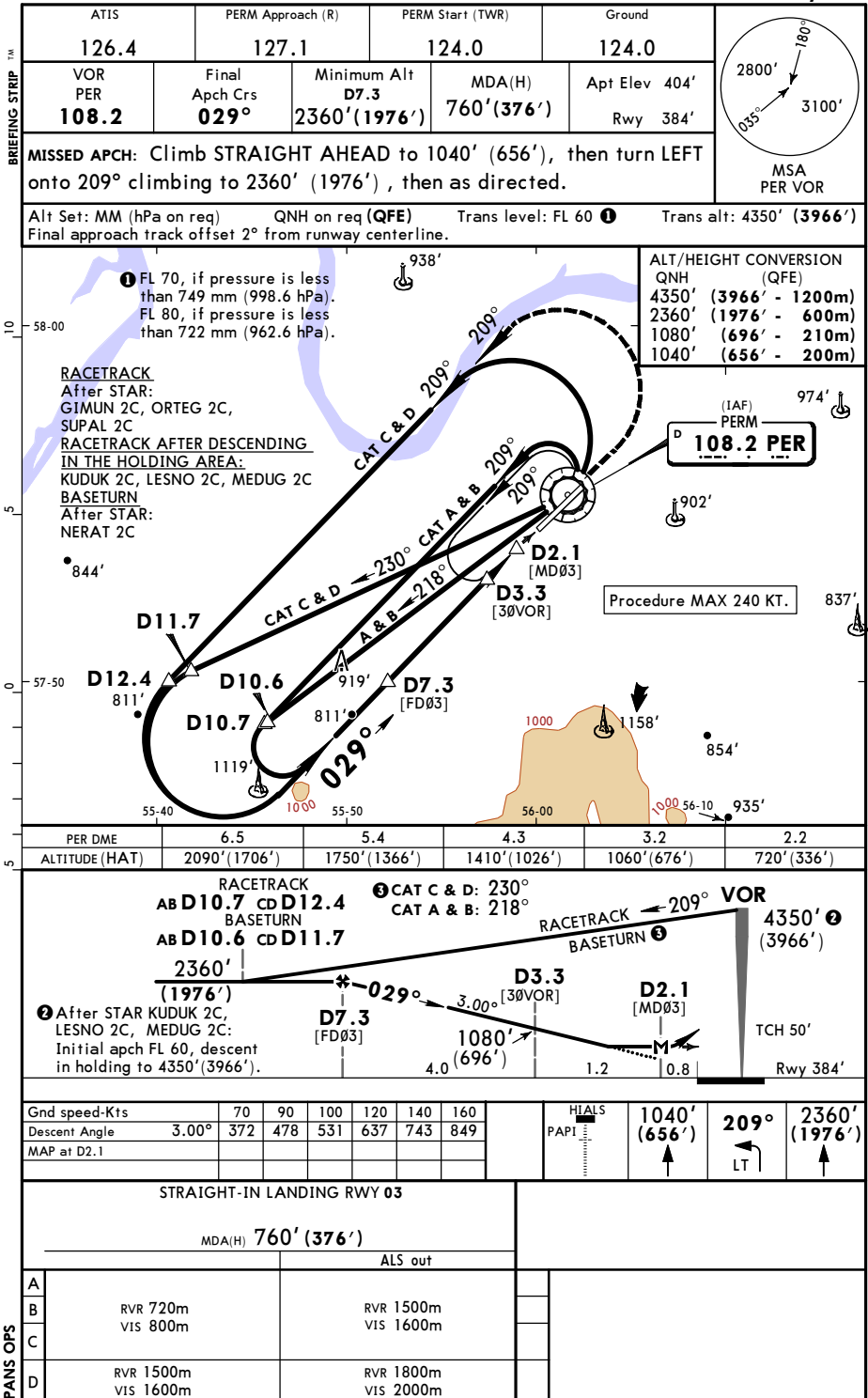
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USPP/PEE
BOLSHOE SAVINO

JEPPesen
11 MAR 16 13-1

PERM, RUSSIA
VOR DME 1 Rwy 03



MSA PER VOR

58-10 (IAF) PARMA/D28.0 PER 2

Final approach track offset 2° from runway centerline.

FL 70, if pressure is less than 749 mm (998.6 hPa).
FL 80, if pressure is less than 722 mm (962.6 hPa).

(IAF) BAMEG D20.6 PER FL 60

at FL 60

5.9 D14.6

58-00 090°

57-50

844'

817'

811'

2360' (1976')

55-30 863'

(IAF) D20.7

GIGAS D27.2 PER

6.5 037°

3.8 074°

D17.7

NOT TO SCALE

12.4 DME Arc

After STAR:
GIMUN 2D, NATSI 2D,
NERAT 2D, ORTEG 2D

FL 70

D2.1 [MD03]
D3.3 [30VOR]
D7.3 [FD03]

919'

811'

029°

D12.4

1158'

854'

935'

1542'

889'

56-10

PERM D 108.2 PER

902'

1010'

1155'

039°

846'

12.4 D14.6

219°

1148'

823'

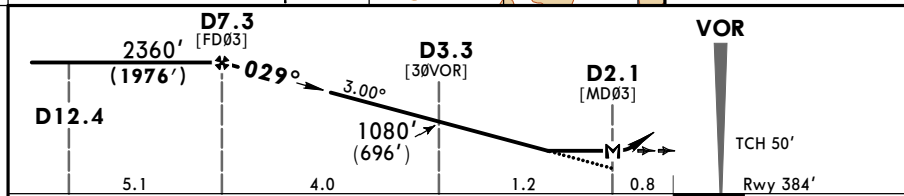
56-20

RECOMMENDED ALTITUDES	
PER DME	ALTITUDE (HAT)
6.5	2090' (1706')
5.4	1750' (1366')
4.3	1410' (1026')
3.2	1060' (676')
2.2	720' (336')

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4350'	(3966' - 1200m)
2360'	(1976' - 600m)
1080'	(696' - 210m)
1040'	(656' - 200m)

RECOMMENDED ALTITUDES	
PER DME	ALTITUDE (HAT)
6.5	2090' (1706')
5.4	1750' (1366')
4.3	1410' (1026')
3.2	1060' (676')
2.2	720' (336')

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4350'	(3966' - 1200m)
2360'	(1976' - 600m)
1080'	(696' - 210m)
1040'	(656' - 200m)



Gnd speed-Kts	70	90	100	120	140	160
Descent Angle 3.00°	372	478	531	637	743	849
MAP at D2.1						

HIALS
PAP I

1040'
(656')

209°

LT

2360'
(1976')

STRAIGHT-IN LANDING RWY 03

MDA(H) 760' (376')

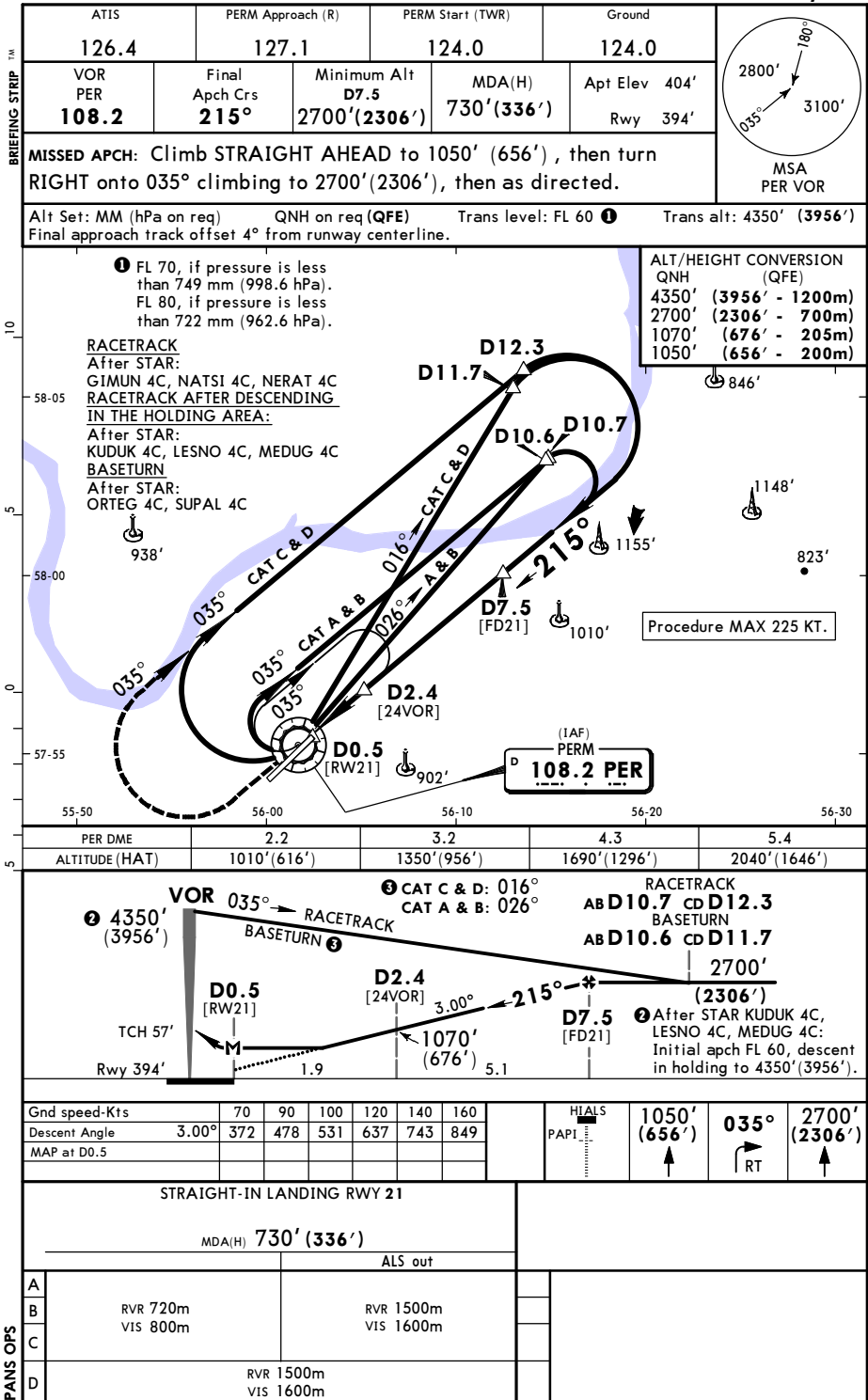
ALS out

A				
B	RVR 720m VIS 800m	RVR 1500m VIS 1600m		
C				
D	RVR 1500m VIS 1600m	RVR 1800m VIS 2000m		

USPP/PEE
BOLSHOE SAVINO

11 MAR 16 **13-3**
JEPPESEN

PERM, RUSSIA
VOR DME 1 Rwy 21



USPP/PEE
BOLSHOE SAVINO

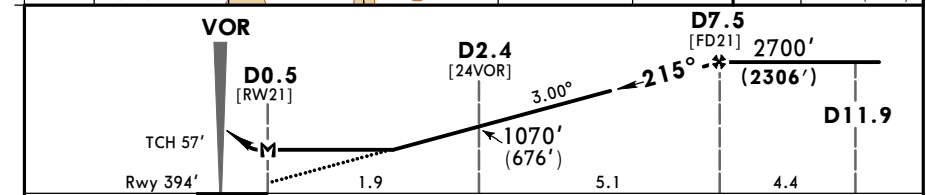
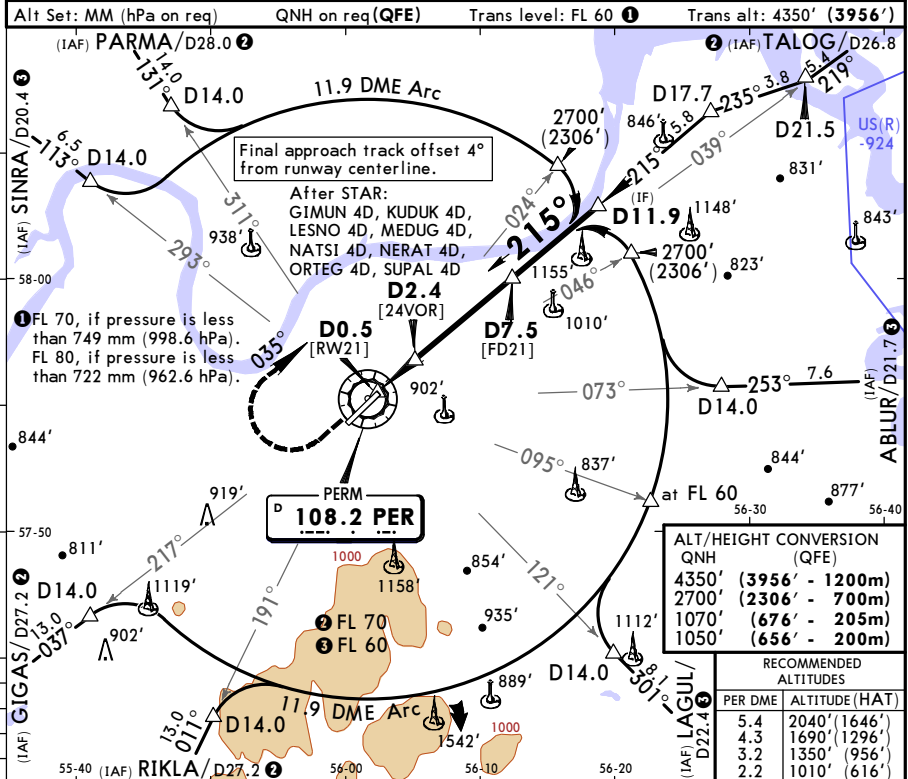
11 MAR 16 **13.4** **JEPPESSEN**

PERM, RUSSIA
VOR DME 2 Rwy 21

ATIS 126.4	PERM Approach (R) 127.1	PERM Start (TWR) 124.0	Ground 124.0
VOR PER 108.2	Final Apch Crs 215°	Minimum Alt D7.5 2700' (2306')	MDA(H) 730' (336')
Apt Elev 404'			Rwy 394'

MISSED APCH: Climb STRAIGHT AHEAD to 1050' (656'), then turn RIGHT onto 035° climbing to 2700' (2306'), then as directed.

MSA PER VOR



STRAIGHT-IN LANDING RWY 21					
MDA(H) 730' (336')					
ALS out					
A					
B	RVR 720m VIS 800m		RVR 1500m VIS 1600m		
C					
D	RVR 1500m VIS 1600m				

PANS OPS

USPP/PEE
BOLSHOE SAVINO

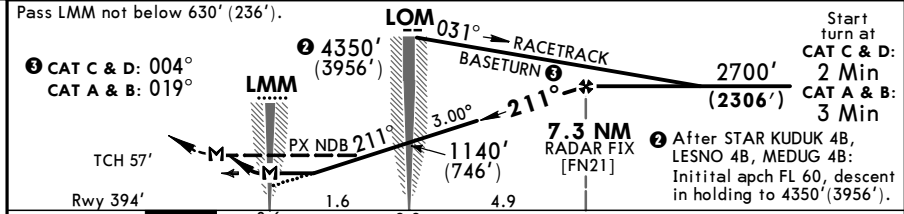
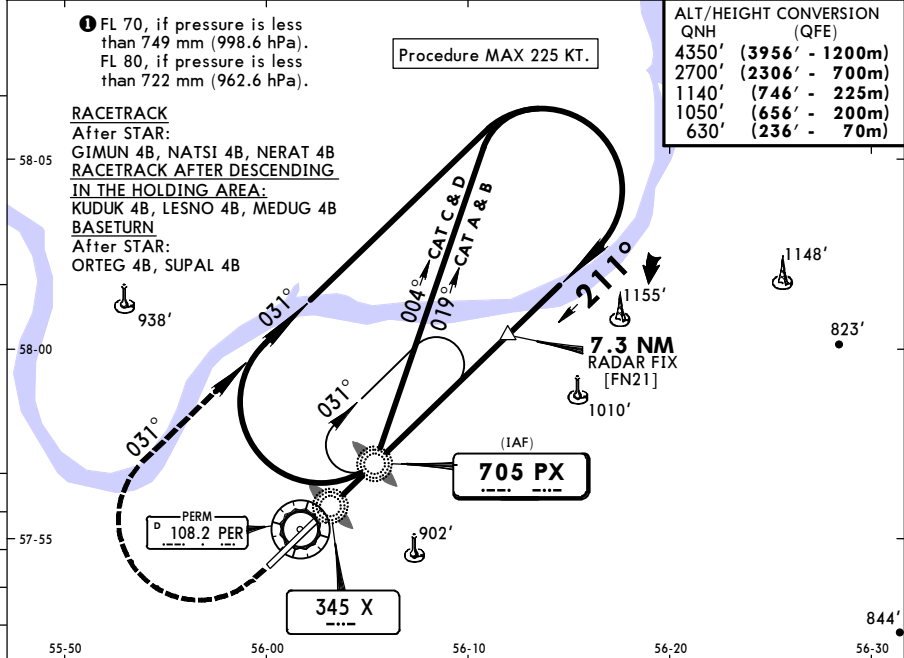
11 MAR 16 **16-2**

2 NDB or NDB Rwy 21

ATIS	PERM Approach (R)	PERM Start (TWR)	Ground
126.4	127.1	124.0	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'**)



PERM, (BOLSHOE SAVINO - USPP)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport USPP