

Page 1

Changed chart(s) since Disc 26-2012

ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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Petrozavodsk, (Besovets - ULPB)

REV	2 NDB OR NDB RWY 01	16-1	28 äåê 2012	
REV	NDB RWY 01 (BASED ON Q ND...	16-2	28 äåê 2012	
REV	2 NDB OR NDB RWY 19	16-3	28 äåê 2012	
REV	NDB RWY 19 (BASED ON X ND...	16-4	28 äåê 2012	

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport ULPB

General Info

Petrozavodsk, RUS

N 61° 53.1' E 34° 09.3' Mag Var: 10.2°E

Elevation: 149'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+4:00 no DST

Runway Info

Runway 01-19 8209' x 157' concrete

Runway 01 (12.0°M) TDZE 149'

Lights: Edge, ALS

Runway 19 (192.0°M) TDZE 136'

Lights: Edge, ALS

Communications InfoPetrozavodsk Tower **128.0****Notebook Info**

ULPB/PES
BESOVETS

29 JUN 12

10-2

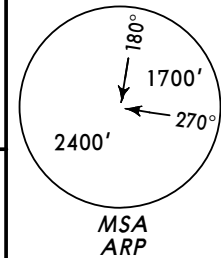
JEPPESEN

PETROZAVODSK, RUSSIA

STAR

Apt Elev
149'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL50
FL60 if pressure is less than 733 mm (977.3 hPa)
and 706 mm (941.3 hPa) or above
Trans alt: 3110' (2961')



BELOD 2A [BELO2A]
BUKUS 2A [BUKU2A]
BUKUS 2B [BUKU2B]
RWY 01 ARRIVALS

BUKUS
N62 33.5 E034 10.0
At FL140

NEGAM
N63 34.1 E034 17.8

OLATA
N62 58.4 E035 56.3

BELOD
N62 26.1 E034 59.5
At FL140

*700 X
N61 52.0 E034 08.3
At FL60

*340 XO
N61 49.2 E034 05.8

N61 47.3 E034 04.1
At 1790' (1641')

(IF)
N61 42.7 E034 00.0
At 1790' (1641')

N61 41.7 E033 55.3
At 2120' (1971')

N61 43.7 E033 51.0
At 2120' (1971')



ALT/HEIGHT CONVERSION

QNH	(QFE)
3110'	(2961' - 900m)
2120'	(1971' - 600m)
1790'	(1641' - 500m)

ULPB/PES
BESOVETS

29 JUN 12

(10-2A)

JEPPESEN

PETROZAVODSK, RUSSIA

STAR

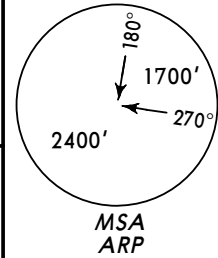
Apt Elev
149'

Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL50

FL60 if pressure is less than 733 mm (977.3 hPa)
and 706 mm (941.3 hPa) or above

Trans alt: 3110' (2974')



BELOD 4A [BELO4A]
BELOD 4B [BELO4B]
BUKUS 4A [BUKU4A]
BUKUS 4B [BUKU4B]
RWY 19 ARRIVALS

NEGAM
N63 34.1 E034 17.8

172°
19

154°
168°

BUKUS

N62 33.5 E034 10.0

At FL140

OLATA
N62 58.4 E035 56.3

BELOD

N62 26.1 E034 59.5

At FL140

BUKUS 4A
39

BUKUS 4B
25
By A/C

N62 08.7 E034 23.7

At 3110'
(2974')

BELOD 4B
24
By A/C

BELOD 4A
39

N62 09.1 E034 23.2

At 3110'
(2974')

N62 05.9 E034 16.7

At 2110' (1974')

N62 05.9 E034 10.8

At 2110'
(1974')

(IF)
N62 03.5 E034 18.7

At 1780' (1644')

N61 56.9 E034 14.5

At 1780' (1644')

*340 QD

N61 56.3 E034 12.2

*700 Q

N61 54.3 E034 10.4

At FL60



ALT/HEIGHT CONVERSION

QNH	(QFE)
3110'	(2974' - 900m)
2110'	(1974' - 600m)
1780'	(1644' - 500m)

ULPB/PES
BESOVETS

10 AUG 12

10-2B

Eff 23 Aug

STAR



JEPPESSEN

PETROZAVODSK, RUSSIA

Apt Elev
149'

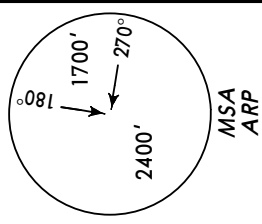
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Trans level: FL50

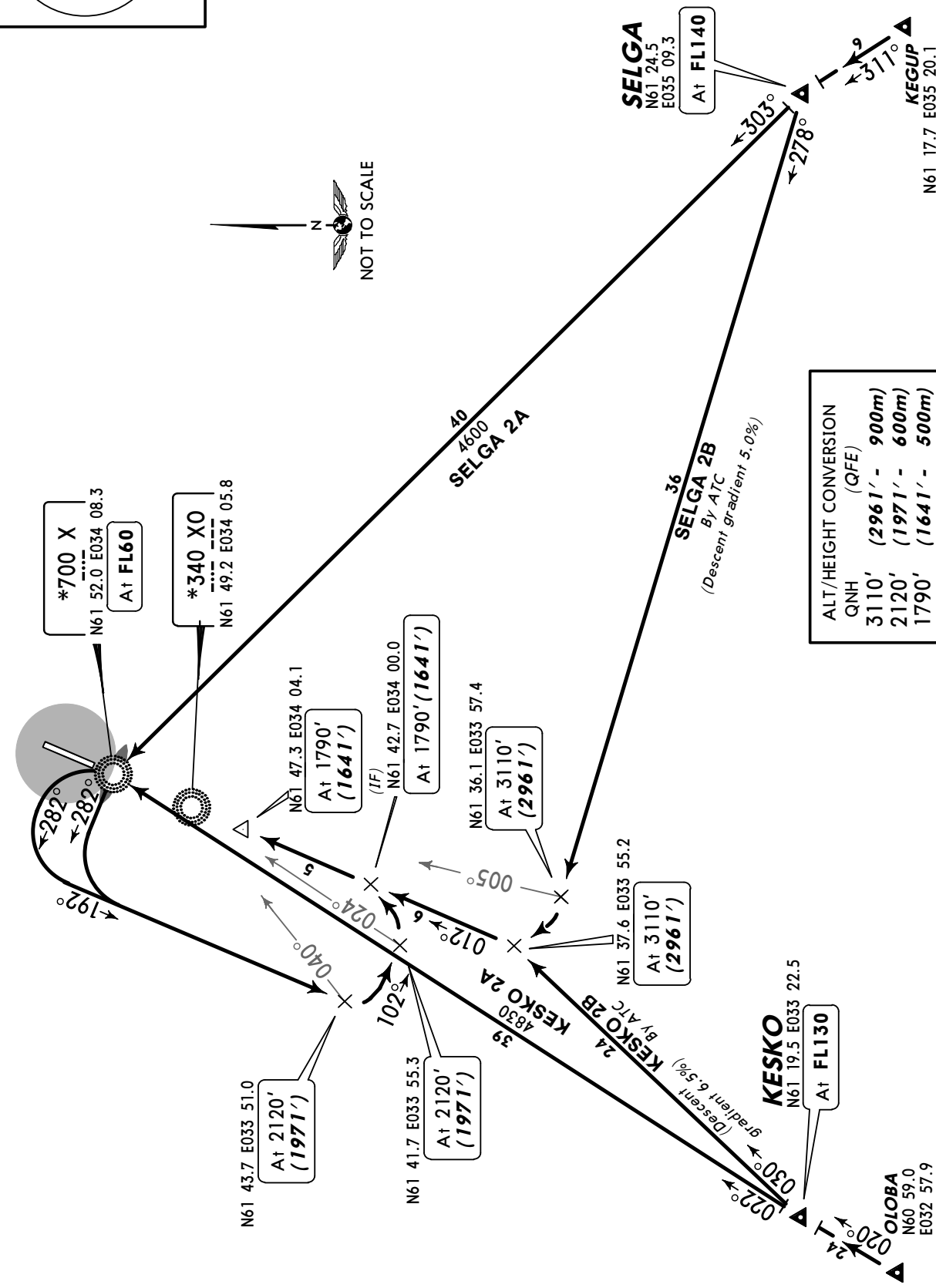
FL60 if pressure is less than 733 mm (977.3 hPa)

and 706 mm (941.3 hPa) or above

Trans alt: 3110' (2961')



KESKO 2A [KESK2A], KESKO 2B [KESK2B]
SELGA 2A [SELG2A], SELGA 2B [SELG2B]
RWY 01 ARRIVALS



ULPB/PES
BESOVETS

10 AUG 12

10-2C

Eff 23 Aug

STAR



JEPPESEN

PETROZAVODSK, RUSSIA

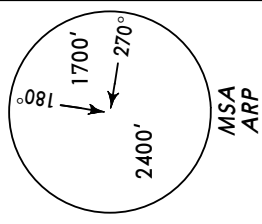
Apt Elev
149'

Alt Set: MM (hPa on request) QNH on request (QFE)

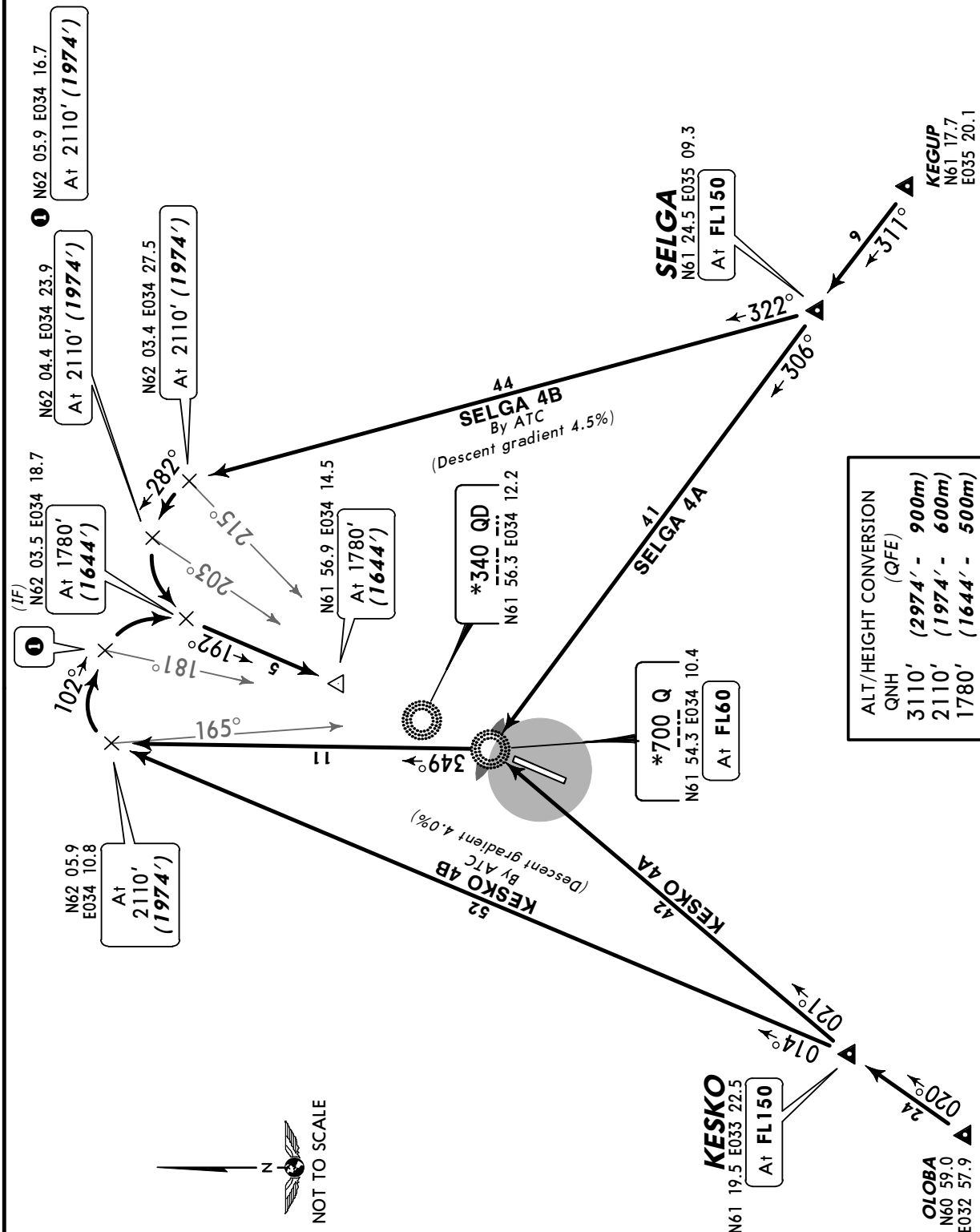
Trans level: FL50

FL60 if pressure is less than 733 mm (977.3 hPa) and 706 mm (941.3 hPa) or above

Trans alt: 3110' (2974')



KESKO 4A [KESK4A], KESKO 4B [KESK4B]
SELGA 4A [SELG4A], SELGA 4B [SELG4B]
RWY 19 ARRIVALS



ULPB/PES
BESOVETS

29 JUN 12

10-2D

PETROZAVODSK, RUSSIA

STAR

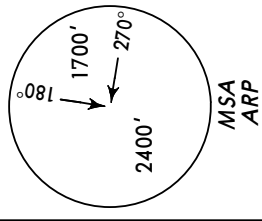
Apt Elev
149'

Alt Set: MM (hPa on request) QNH on request (QFE)

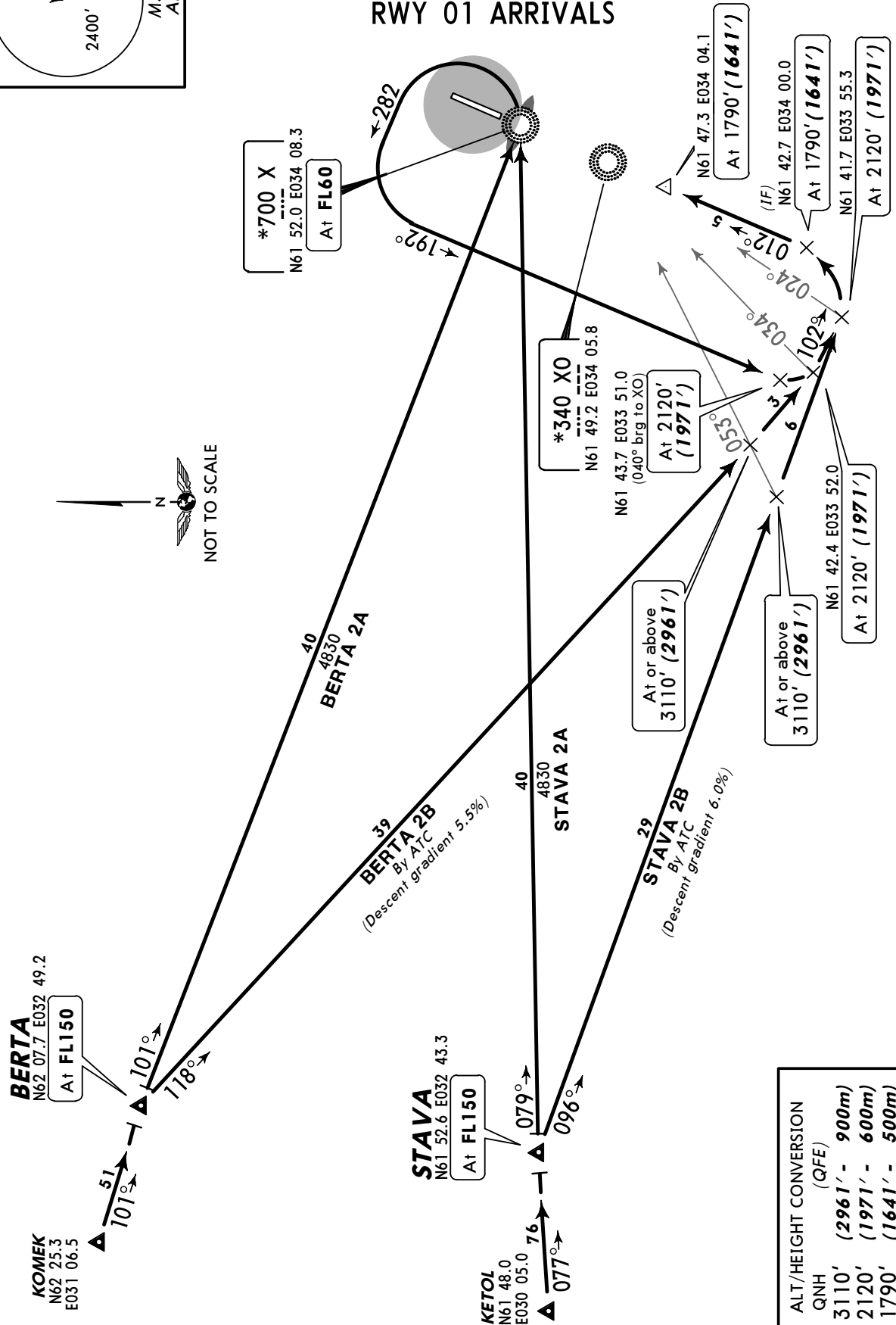
Trans level: FL50

FL60 if pressure is less than 733 mm (977.3 hPa)
and 706 mm (941.3 hPa) or above

Trans alt: 3110' (2961')



BERTA 2A [BERT2A], BERTA 2B [BERT2B]
STAVA 2A [STAV2A], STAVA 2B [STAV2B]
RWY 01 ARRIVALS



ULPB/PES
BESOVETS

29 JUN 12

10-2E

PETROZAVODSK, RUSSIA

STAR

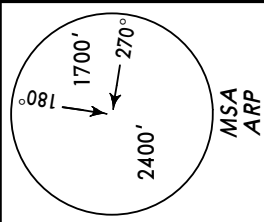
Apt Elev
149'

Alt Set: MM (hPa on request) QNH on request **(QFE)**

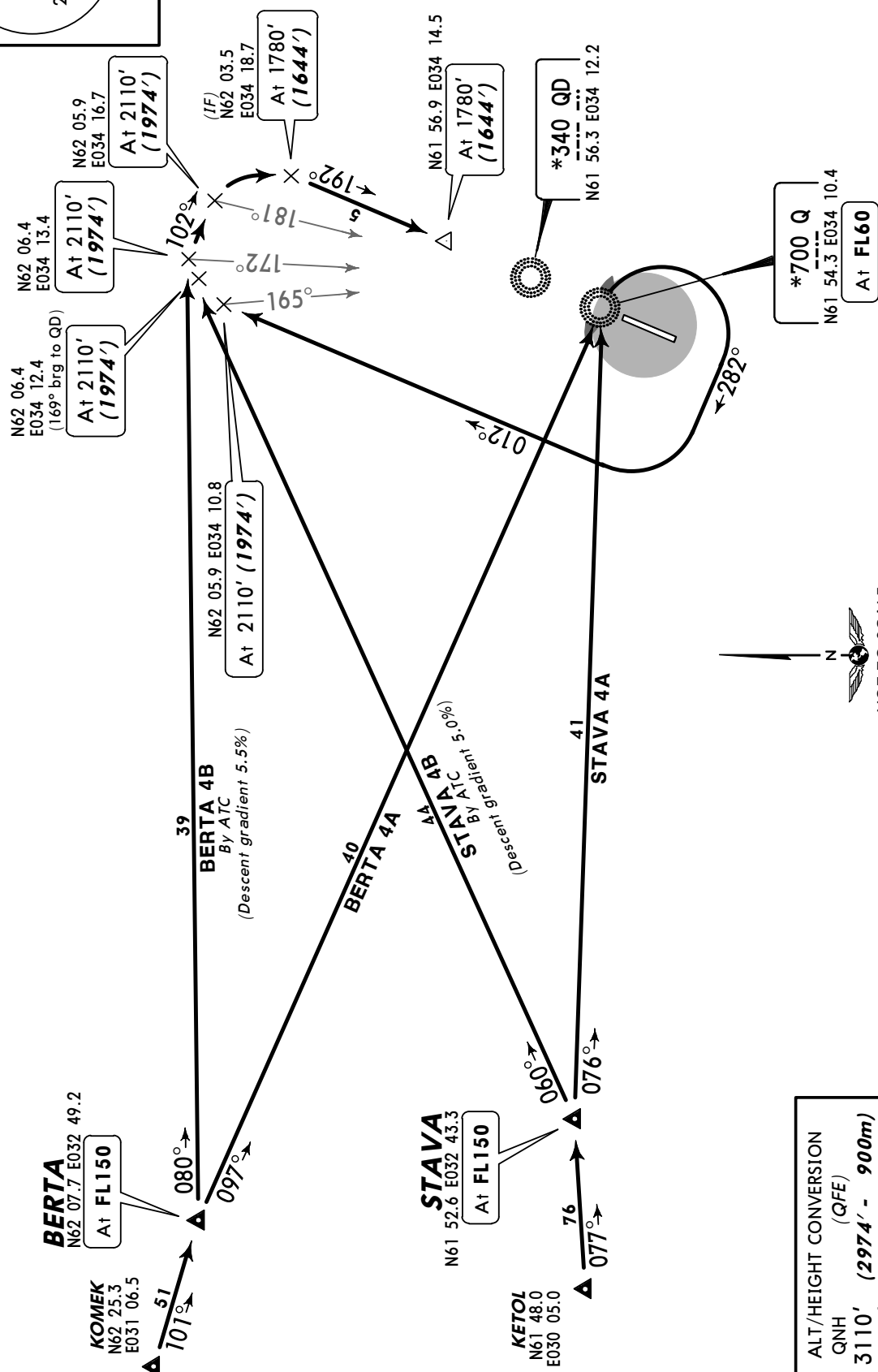
Trans level: FL50

FL60 if pressure is less than 733 mm (977.3 hPa)

and 706 mm (941.3 hPa) or above

Trans alt: 3110' (**2974'**)

BERTA 4A [BERT4A], BERTA 4B [BERT4B]
STAVA 4A [STAV4A], STAVA 4B [STAV4B]
RWY 19 ARRIVALS



ALT/HEIGHT CONVERSION	(QFE)
QNH	
3110'	(2974' - 900mm)
22110'	(1974' - 600mm)
1780'	(1644' - 500mm)

ULPB/PES
BESOVETS

10 AUG 12

10-3

Eff 23 Aug

SID

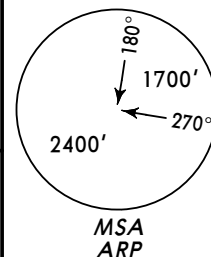


JEPPESEN

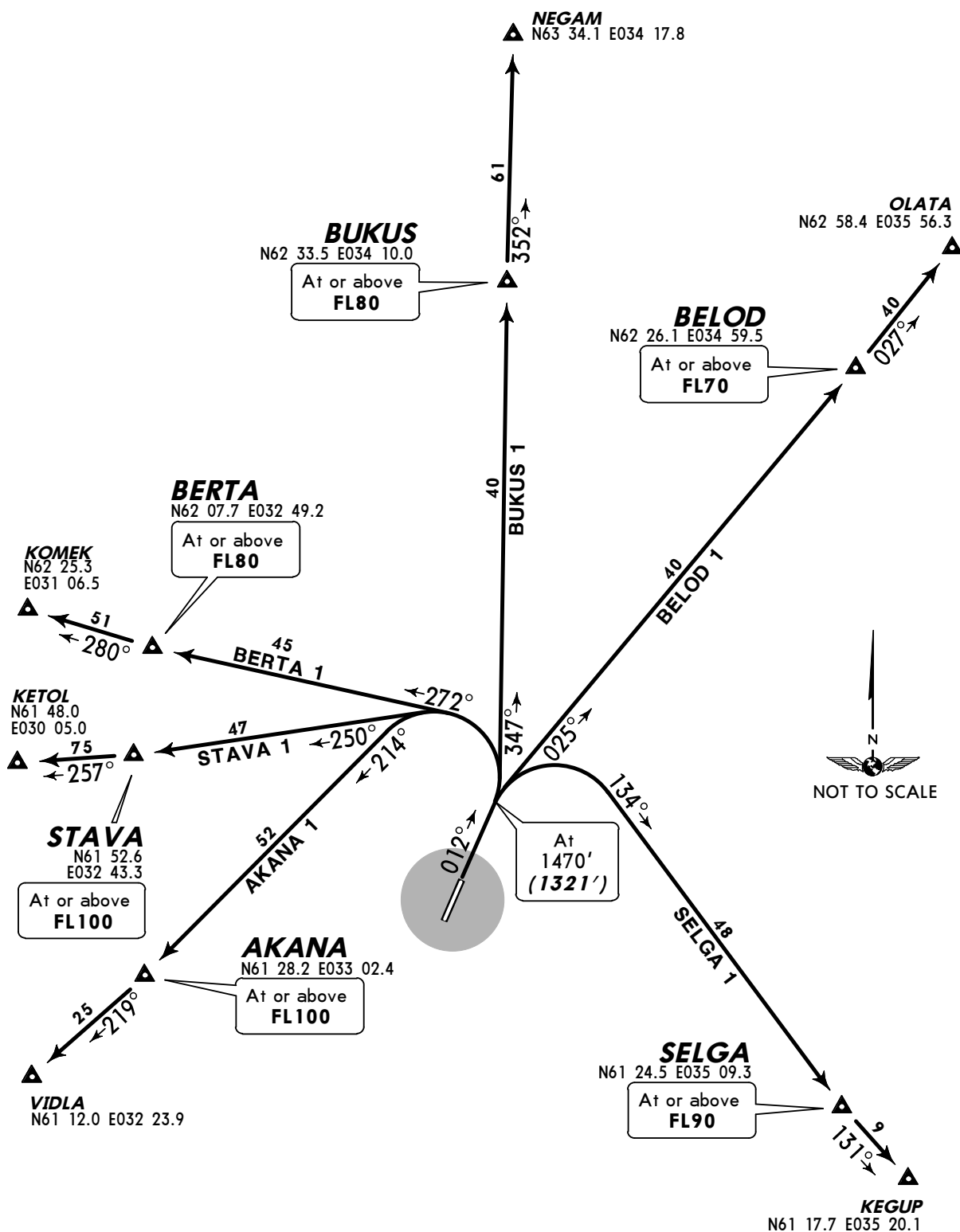
PETROZAVODSK, RUSSIA

Apt Elev
149'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL50
FL60 if pressure is less than 733 mm (977.3 hPa)
and 706 mm (941.3 hPa) or above
Trans alt: 3110' (2961')



AKANA 1, BELOD 1, BERTA 1
BUKUS 1, SELGA 1, STAVA 1
RWY 01 DEPARTURES



ALT/HEIGHT CONVERSION
QNH (QFE)
1470' (1321' - 400m)
3110' (2961' - 900m)

ULPB/PES
BESOVETS

10 AUG 12

(10-3A)

Eff 23 Aug

SID



JEPPESEN

PETROZAVODSK, RUSSIA

Apt Elev
149'

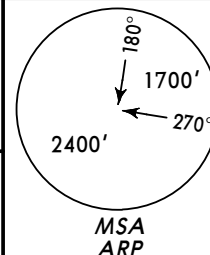
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Trans level: FL50

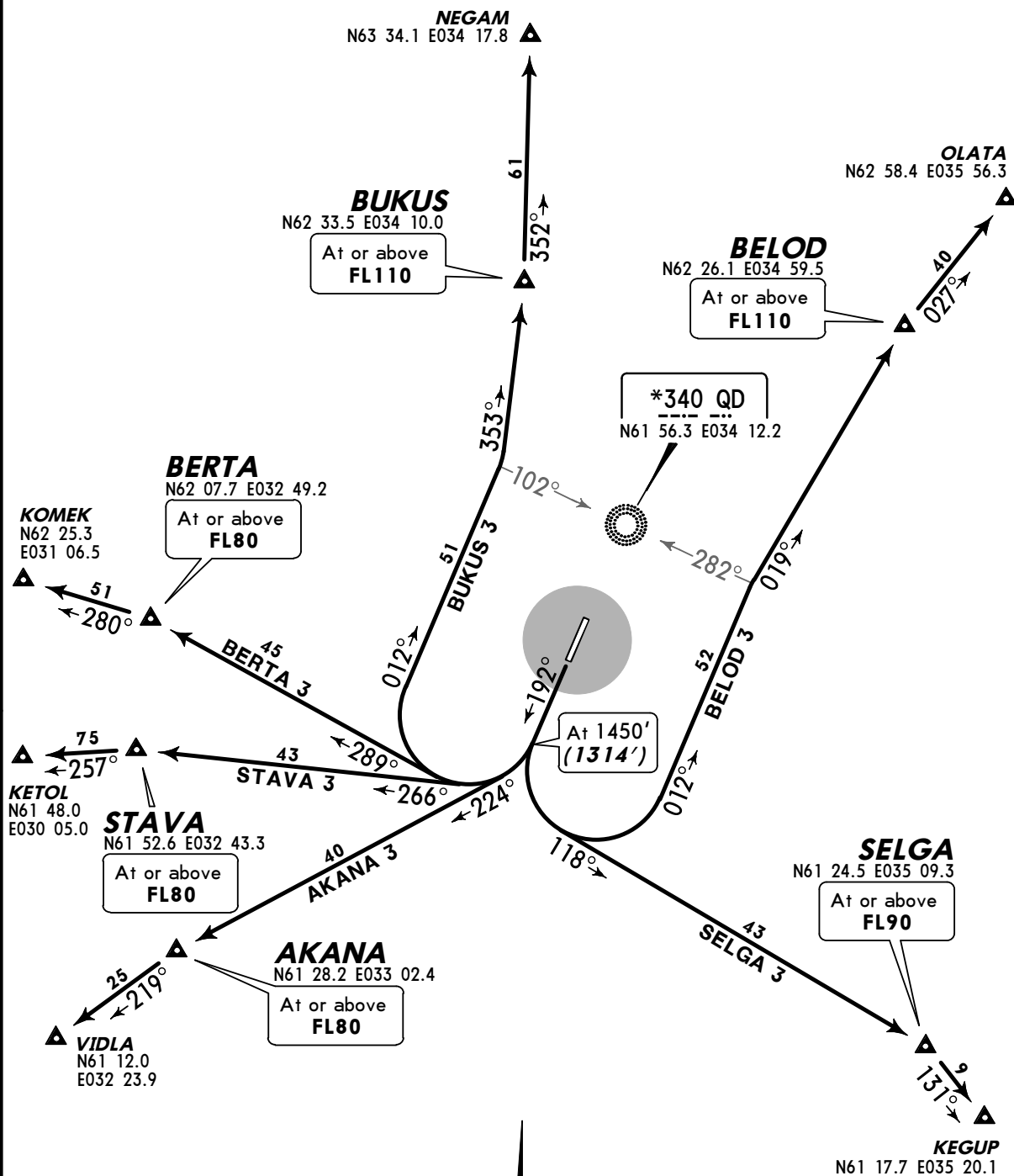
FL60 if pressure is less than 733 mm (977.3 hPa)

and 706 mm (941.3 hPa) or above

Trans alt: 3110' (2974')



AKANA 3, BELOD 3, BERTA 3
BUKUS 3, SELGA 3, STAVA 3
RWY 19 DEPARTURES



ALT/HEIGHT CONVERSION
QNH (QFE)
1450' (1314' - 400m)
3110' (2974' - 900m)

ULPB/PES

Apt Elev 143'

N61 53.1 E034 09.4

JEPPESEN

11 NOV 11

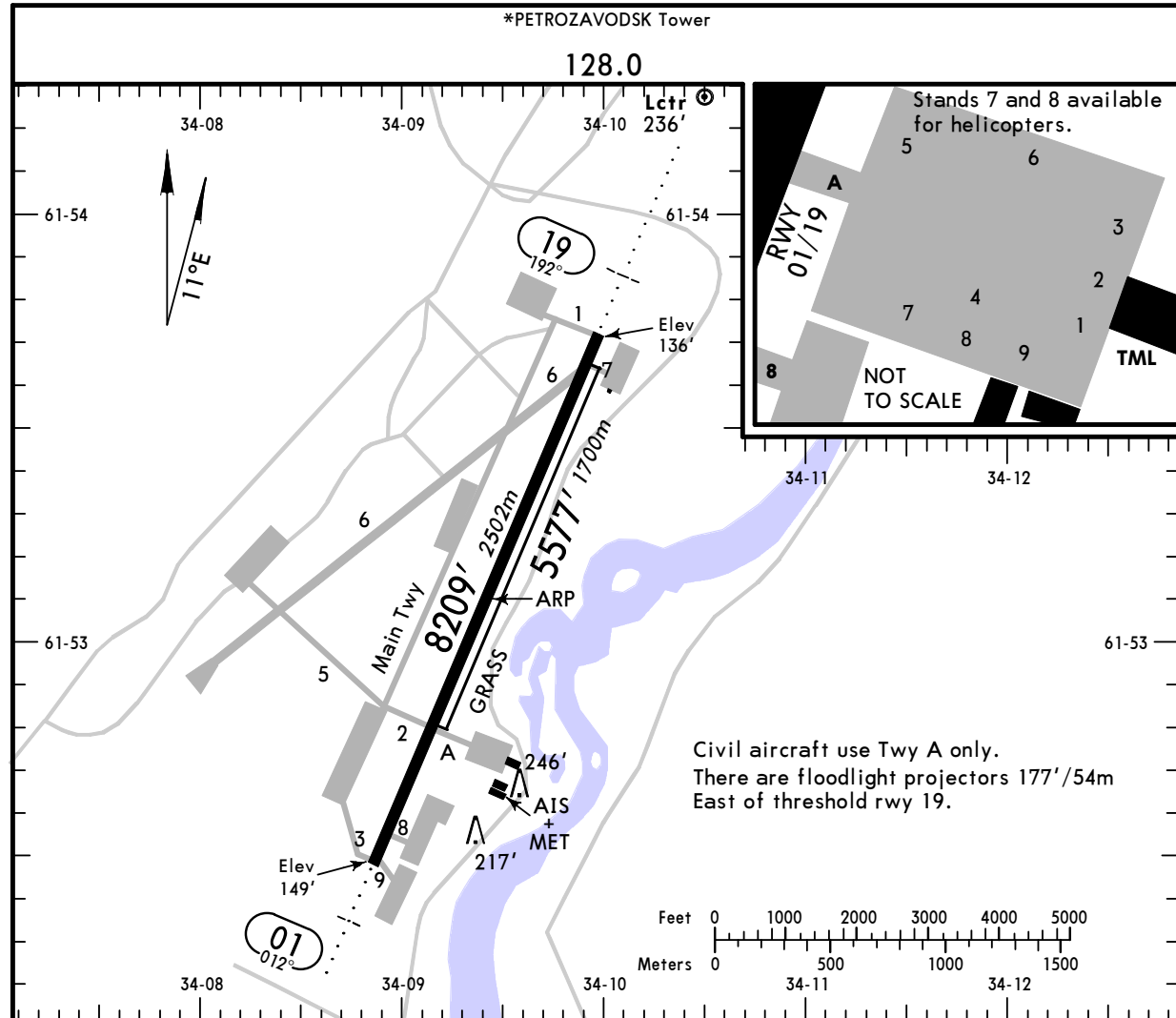
10-9

Eff 17 Nov

PETROZAVODSK, RUSSIA

BESOVETS

*PETROZAVODSK Tower



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS		TAKE-OFF	WIDTH
		Threshold	Landing Beyond		
01	RL (60m) HIALS PAPI-L (angle 2.67°) RVR			7874' 2400m ①	148'
19	RL (60m) ALS PAPI-L (angle 2.67°) RVR			②	48m
01	Grass runway				131'
19					40m

① First 335'/102m unusable for take-off.

② TAKE-OFF RUN AVAILABLE

RWY 01:

From rwy head 7874' (2400m)
twy int A 6070' (1850m)

TAKE-OFF

AIR CARRIER (JAA)

Main rwy 01/19

LVP must be in force

RCLM (DAY only)
or RL

RCLM (DAY only)
or RL

A
B
C
D

250m

300m

400m

ULPB/PES


JEPPESSEN
16 NOV 12 **(10-9X)**
JAA MINIMUMS
PETROZAVODSK, RUSSIA
BESOVETS

STRAIGHT-IN RWY		A	B	C	D
01	2 NDB	570' (421')	570' (421')	570' (421')	570' (421')
		R1200m	R1300m	R1400m	R1600m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	X NDB	780' (631')	780' (631')	780' (631')	780' (631')
	with FAF	R1400m	R1500m	R1600m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	X NDB	1420' (1271')	1420' (1271')	1420' (1271')	1420' (1271')
	w/o FAF	R1500m	R1500m	R1800m	R2000m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	Q NDB	900' (751')	900' (751')	900' (751')	900' (751')
	with FAF	R1500m	R1500m	R1800m	R2000m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	Q NDB	1150' (1001')	1150' (1001')	1150' (1001')	1150' (1001')
	w/o FAF	R1500m	R1500m	R1800m	R2000m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
19	2 NDB	500' (363')	500' (363')	500' (363')	500' (363')
	with FAF	R1300m	R1400m	R1600m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	2 NDB	570' (433')	570' (433')	570' (433')	570' (433')
	w/o FAF	R1300m	R1400m	R1600m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	X NDB	720' (583')	720' (583')	720' (583')	720' (583')
	with FAF	R1500m	R1500m	R1800m	R2000m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	X NDB	970' (833')	970' (833')	970' (833')	970' (833')
	w/o FAF	R1500m	R1500m	R2000m	R2000m
	Q NDB	720' (583')	720' (583')	720' (583')	720' (583')
	with FAF	R1500m	R1500m	R1800m	R2000m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	Q NDB	970' (833')	970' (833')	970' (833')	970' (833')
	w/o FAF	R1500m	R1500m	R2000m	R2000m

TAKE-OFF RWY 01, 19

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		

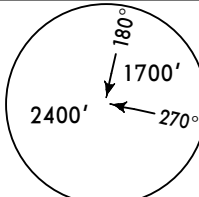
ULPB/PES
BESOVETS

JEPPESSEN
28 DEC 12 (16-1)

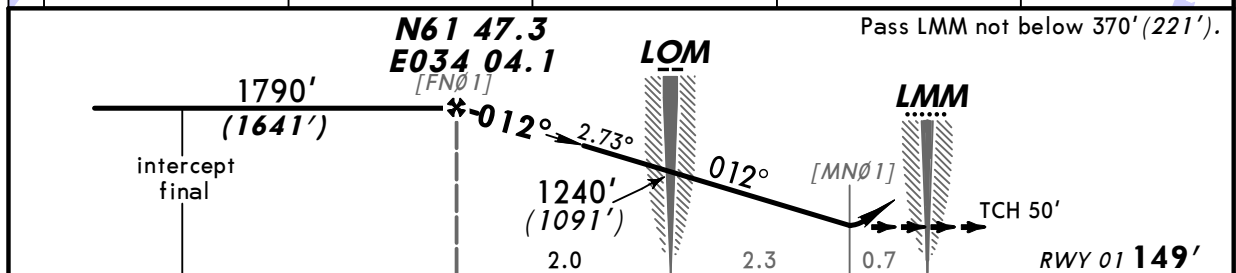
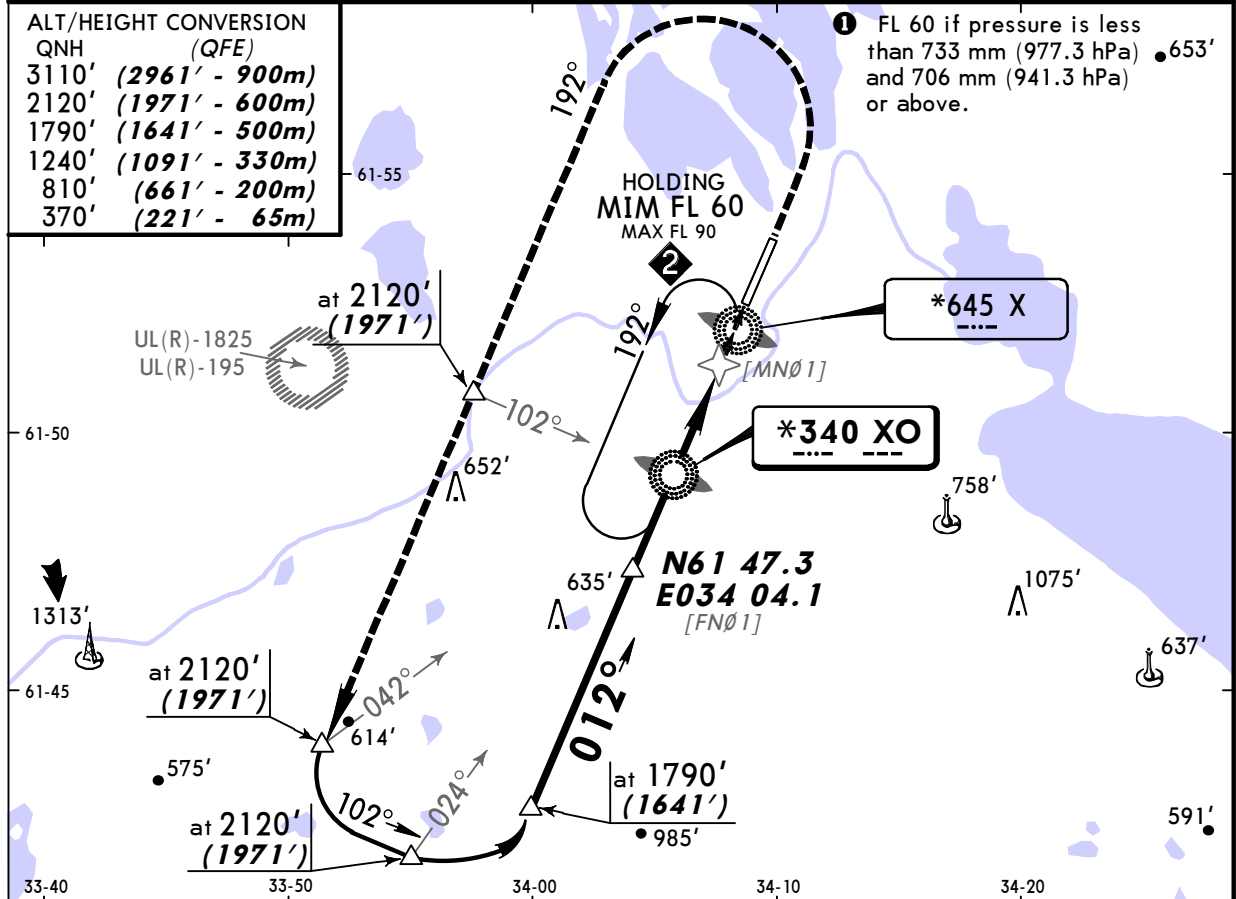
PETROZAVODSK, RUSSIA
2 NDB or NDB Rwy 01

*PETROZAVODSK Tower (PAR/TWR)

BRIEFING STRIP

*PETROZAVODSK Tower (PAR/TWR)					
128.0					
NDB XO *340	Final Apch Crs 012°	Minimum Alt N61 47.3 E034 04.1 1790' (1641')	MDA(H) Refer to Minimums	Apt Elev 149' RWY 149'	 MSA Airport
MISSED APCH: Climb on 012° to 810' (661'), then turn LEFT onto 192° climbing to 2120' (1971'), then according to chart.					

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 ① Trans alt: 3110' (2961')



Gnd speed-Kts	70	90	100	120	140	160	HIALS	810' (661')	192°	2120' (1971')
Descent Angle	2.73°	338	435	483	579	676	773	PAPI	on 012°	LT

STRAIGHT-IN LANDING RWY 01			
2 NDB	with FAF	X LMM	w/o FAF
MDA(H) 570' (421')	MDA(H) 780' (631')	MDA(H) 1420' (1271')	
ALS out	ALS out	ALS out	
A			
B			
C	2400m	3200m	3200m
D			4800m

PANS OPS

CHANGES: NDB X freq.

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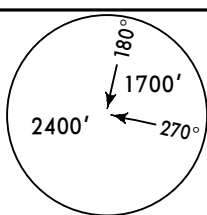
ULPB/PES
BESOVETS

JEPPESEN
28 DEC 12 (16-2)

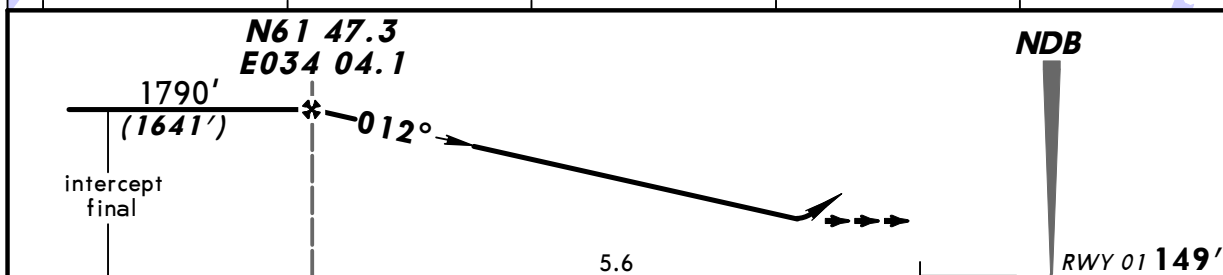
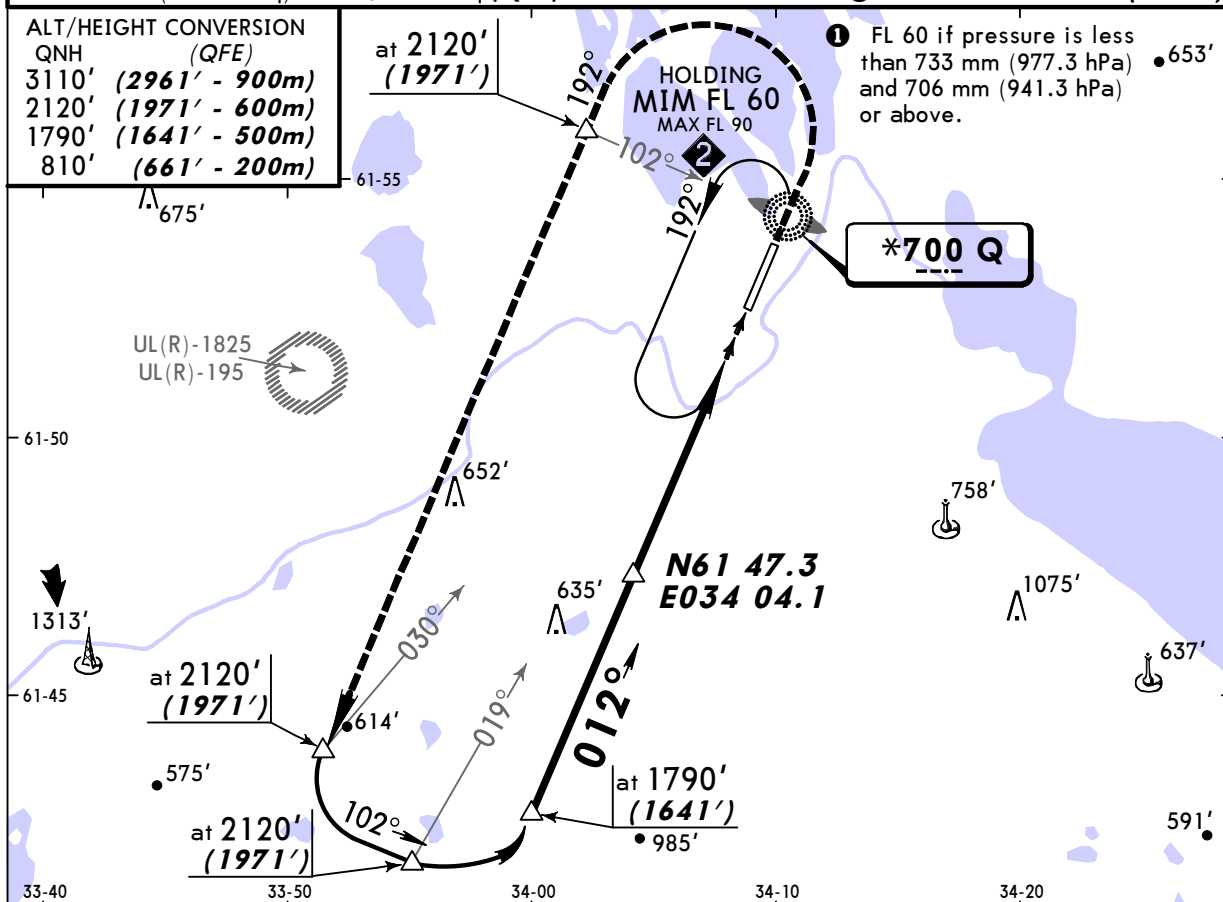
PETROZAVODSK, RUSSIA
BASED ON Q NDB NDB Rwy 01

*PETROZAVODSK Tower (PAR/TWR)

BRIEFING STRIP

128.0					
NDB Q *700	Final Apch Crs 012°	Minimum Alt N61 47.3 E034 04.1 1790' (1641')	MDA(H) (CONDITIONAL) 900' (751')	Apt Elev 149' RWY 149'	
MISSED APCH: Climb on 012° to 810' (661'), then turn LEFT onto 192° climbing to 2120' (1971'), then according to chart.					MSA Airport

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 1 Trans alt: 3110' (2961')



Gnd speed-Kts	70	90	100	120	140	160	HIALS	810' (661')	192°	2120' (1971')
Descent Angle 2.67°	331	425	472	567	661	756	PAPI	on 012°	LT	

STRAIGHT-IN LANDING RWY 01			
with FAF MDA(H) 900' (751')		w/o FAF MDA(H) 1150' (1001')	
ALS out		ALS out	
A	3200m	3200m	
B	3200m	3200m	
C	3600m	4800m	
D	4000m	4800m	

PANS OPS

CHANGES: None.

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ULPB/PES
BESOVETS

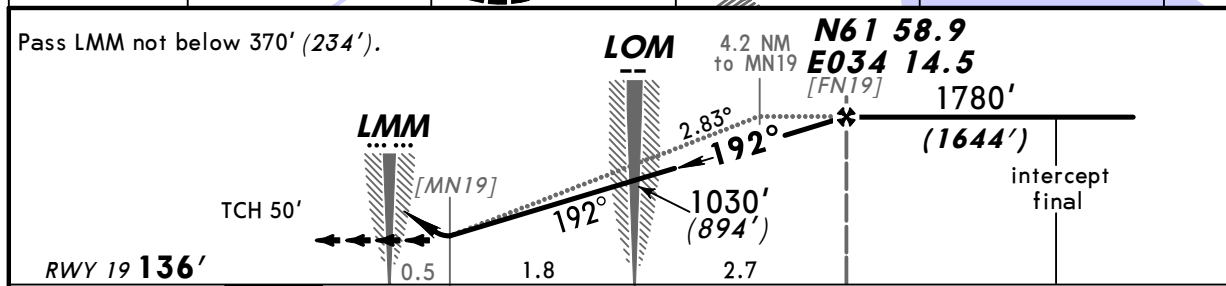
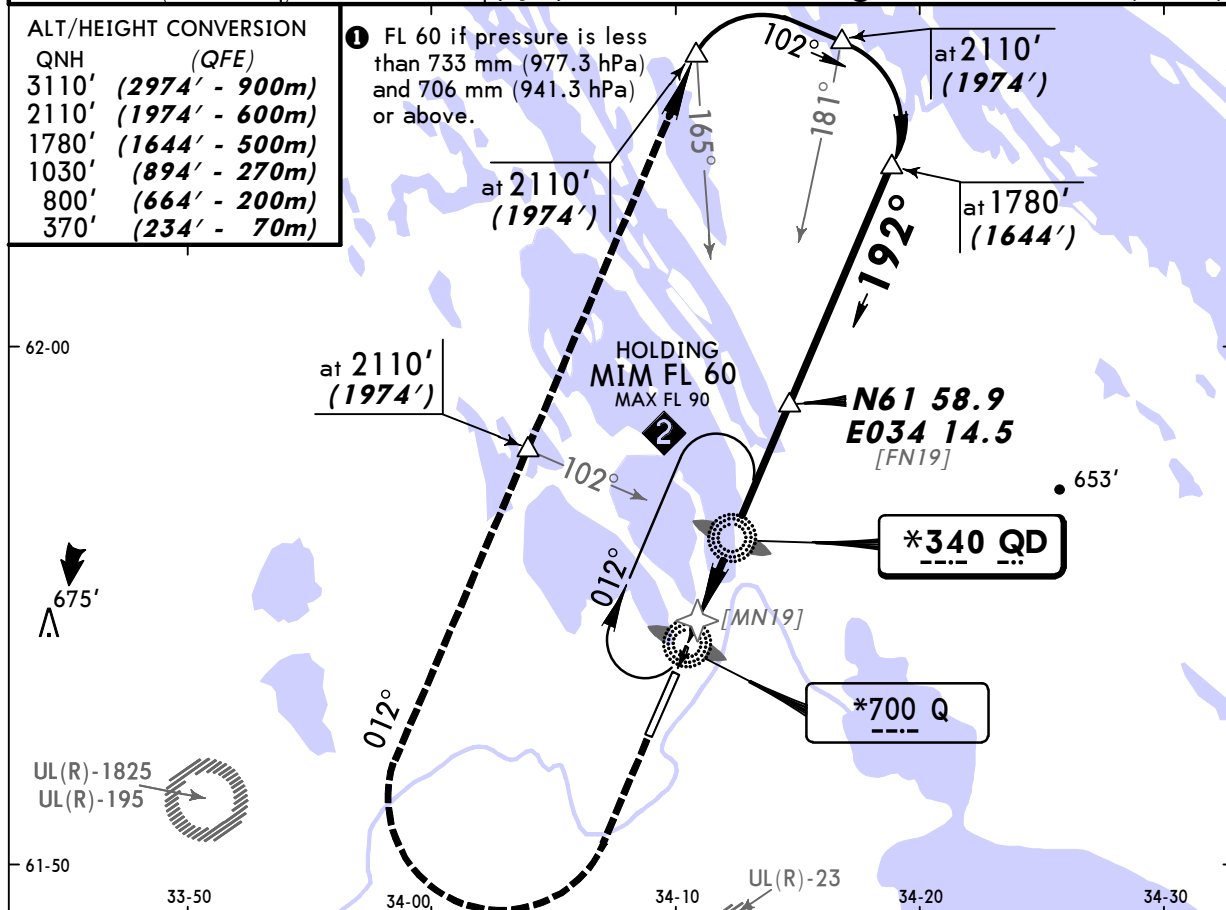
JEPPESEN
28 DEC 12 (16-3)

PETROZAVODSK, RUSSIA
2 NDB or NDB Rwy 19

BRIEFING STRIP

*PETROZAVODSK Tower (PAR/TWR)					
128.0					
NDB QD *340	Final Apch Crs 192°	Minimum Alt N61 58.9 E034 14.5 1780' (1644')	MDA(H) Refer to Minimums	Apt Elev 149' RWY 136'	 MSA Airport
MISSED APCH: Climb on 192° to 800' (664'), then turn RIGHT onto 012° climbing to 2110' (1974'), then according to chart.					

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3110' (2974')



Gnd speed-Kts	70	90	100	120	140	160	ALS	800' (664')	012°	2110' (1974')
Descent Angle	2.83°	350	451	501	601	701	801	on 192°	RT	

STRAIGHT-IN LANDING RWY 19					
2 NDB			Q LMM		
with FAF	w/o FAF		with FAF	w/o FAF	
MDA(H) 500' (364')	MDA(H) 570' (434')		MDA(H) 720' (584')	MDA(H) 970' (834')	
ALS out	ALS out		ALS out	ALS out	
A					
B	RVR 1500m VIS 1600m	2300m	3200m	3200m	
C				4000m	
D	RVR 1800m VIS 2000m	2400m		4400m	

PANS OPS

CHANGES: Apt & rwy elev.

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ULPB/PES
BESOVETS

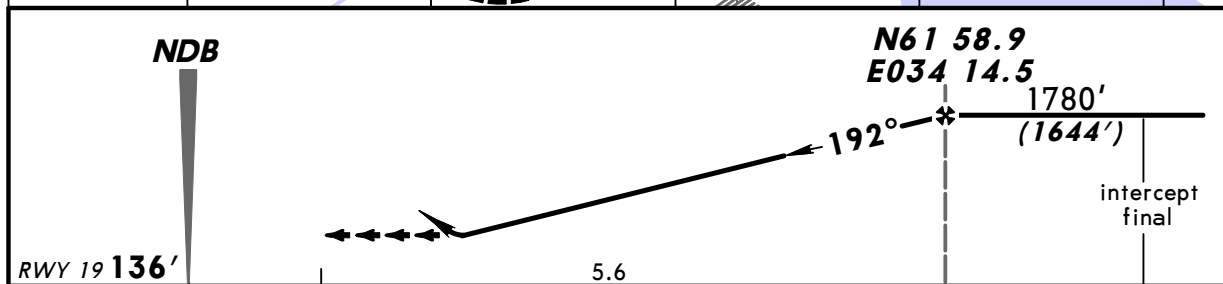
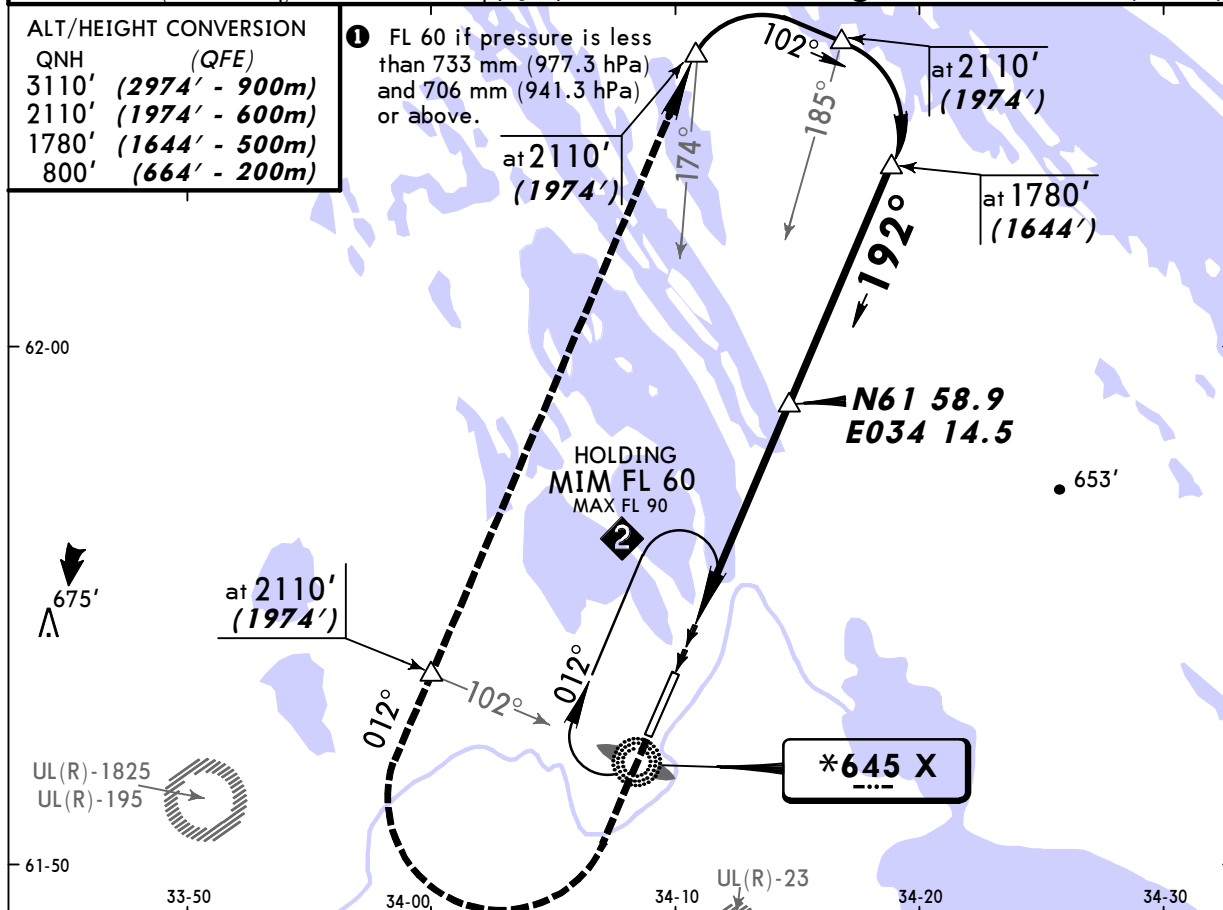
JEPPESSEN
28 DEC 12 (16-4)

PETROZAVODSK, RUSSIA
BASED ON X NDB NDB Rwy 19

BRIEFING STRIP

*PETROZAVODSK Tower (PAR/TWR)					
128.0					
NDB X *645	Final Apch Crs 192°	Minimum Alt N61 58.9 E034 14.5 1780' (1644')	MDA(H) (CONDITIONAL) 720' (584')	Apt Elev 149' RWY 136'	 MSA Airport
MISSED APCH: Climb on 192° to 800' (664'), then turn RIGHT onto 012° climbing to 2110' (1974'), then according to chart.					

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 1 Trans alt: 3110' (2974')



800' (664')	on 192°	012° RT	2110' (1974')
-------------	---------	---------	---------------

STRAIGHT-IN LANDING RWY 19			
with FAF		w/o FAF	
MDA(H) 720' (584')	ALS out	MDA(H) 970' (834')	ALS out
A		3200m	
B		4000m	
C		4400m	
D			

PANS OPS