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Airport Information For USDB

Terminal Charts For USDB

Revision Letter For Cycle 13-2016

Change Notices

Notebook

General Information

Location: BOVANENKOVO RUS
ICAO: USDB
Lat/Long: N70° 18.92', E068° 20.02'
Elevation: 23 ft

Airport Use: Public
Daylight Savings: Not Observed
UTC Conversion: -5:00 = UTC
Magnetic Variation: 28.0° E

Customs: No
Airport Type: IFR
Landing Fee: Yes
Control Tower: No
Jet Start Unit: No
LLWS Alert: No
Beacon: No

Sunrise: 24 Hour Day
Sunset: Never

Runway Information

Runway: 10
Length x Width: 8717 ft x 151 ft
Surface Type: concrete
TDZ-Elev: 22 ft
Lighting: Edge, ALS

Runway: 28
Length x Width: 8717 ft x 151 ft
Surface Type: concrete
TDZ-Elev: 24 ft
Lighting: Edge, ALS

Communication Information

AWIS: 124.800 Non-English
Bovanenkovo Informatsiya Information: 126.000 Flight Info Service Non-English
Bovanenkovo Transit Operations: 123.400

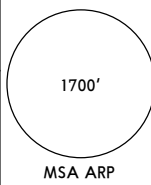
USDB
BOVANENKOVO

JEPPESSEN
29 APR 16 (10-2)

BOVANENKOVO, RUSSIA
RNAV STAR

Apt Elev
23'

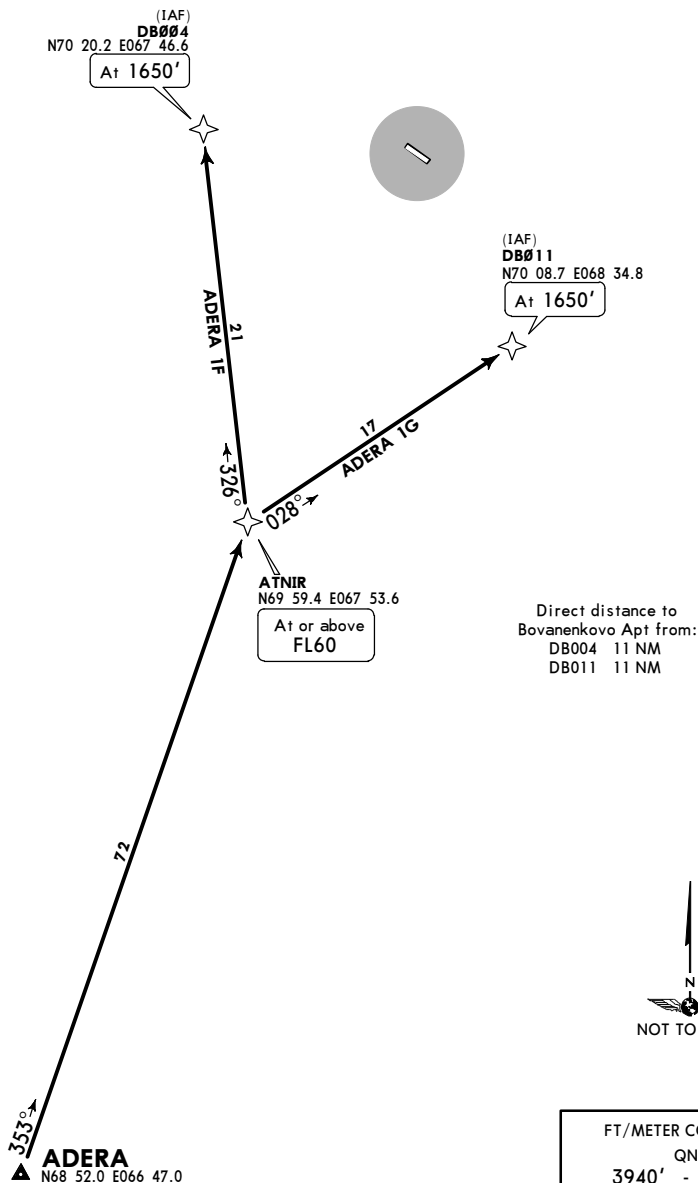
Alt Set: MM (hPa on request)
Trans level: FL60 Trans alt: 3940'
RNAV (GNSS)



ADERA 1F [ADER1F]
RWY 10

ADERA 1G [ADER1G]
RWY 28

RNAV
FOR RUSSIAN USERS ONLY

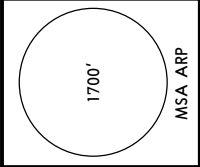


USDB
BOVANENKOVO

JEPPesen
29 APR 16 (10-2A)

BOVANENKOVO, RUSSIA
RNAV STAR

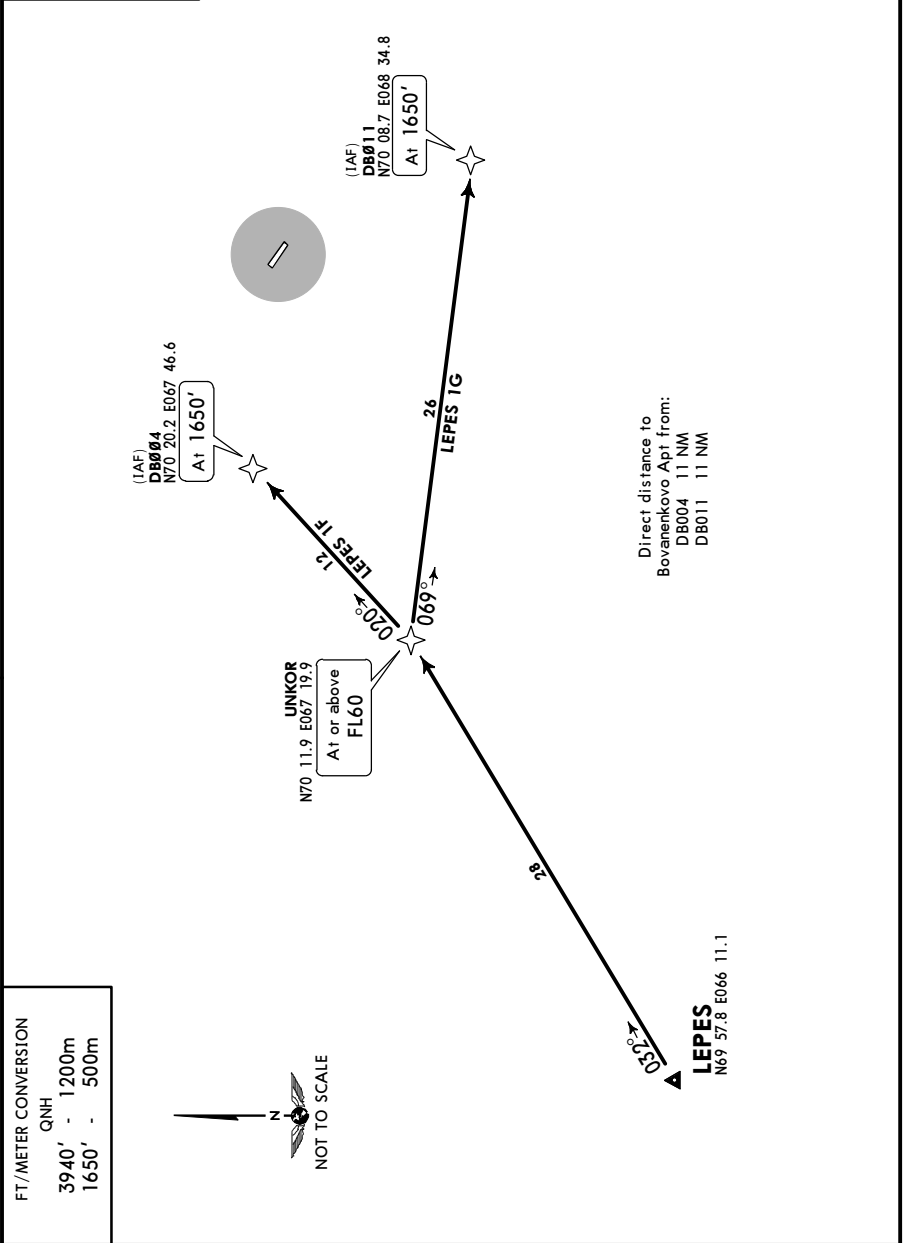
Apt Elev 23'	Alt Set: MM (hPa on request) Trans level: FL60 Trans alt: 3940' RNAV (GNSS)
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LEPES 1F [LEPE1F]
RWY 10

LEPES 1G [LEPE1G]
RWY 28

RNAV
FOR RUSSIAN USERS ONLY



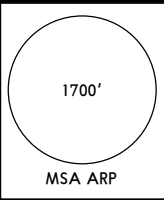
FT./METER CONVERSION QNH
3940' - 1200m
1650' - 500m

USDB
BOVANENKOVO

JEPPesen
29 APR 16 (10-2B)

BOVANENKOVO, RUSSIA
RNAV STAR

Apt Elev 23'
Alt Set: MM (hPa on request)
Trans level: FL60 Trans alt: 3940'
RNAV (GNSS)



NONRA 1F [NONR1F]
RWY 10

NONRA 1G [NONR1G]
RWY 28

RNAV
FOR RUSSIAN USERS ONLY

Direct distance to
Bovanenkovo Apt from:
DB004 11 NM
DB012 10 NM

(IAF)
DB004
N70 20.2 E067 46.6
At 1650'

DB003
N70 12.4 E067 58.1

(IAF)
DB012
N70 13.1 E068 44.0
At 1320'

DEGIT
N70 06.9 E069 12.7
At or above
FL60

NONRA
N70 01.8 E069 28.3



FT/METER CONVERSION	
QNH	
3940'	- 1200m
1650'	- 500m
1320'	- 400m

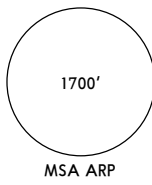
USDB
BOVANENKOVO

JEPPESSEN
29 APR 16 (10-2C)

BOVANENKOVO, RUSSIA
RNAV STAR

Apt Elev
23'

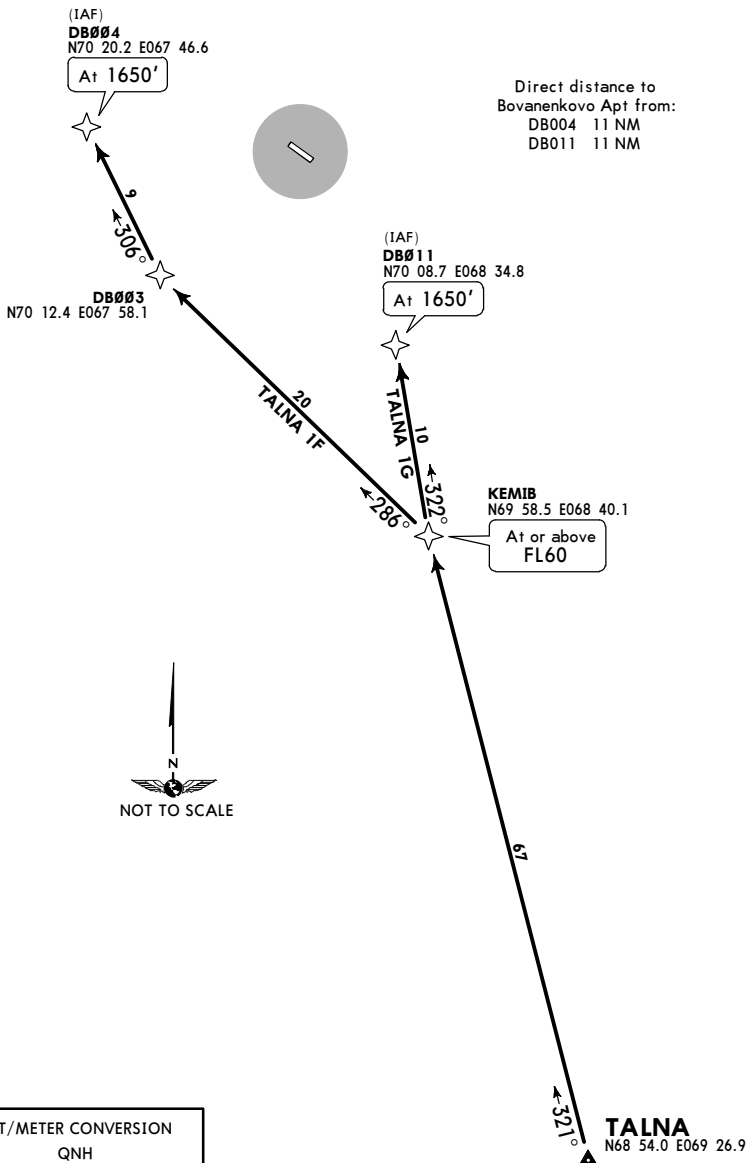
Alt Set: MM (hPa on request)
Trans level: FL60 Trans alt: 3940'
RNAV (GNSS)



TALNA 1F [TALN1F]
RWY 10

TALNA 1G [TALN1G]
RWY 28

RNAV
FOR RUSSIAN USERS ONLY



FT/METER CONVERSION

QNH
3940' - 1200m
1650' - 500m

CHANGES: New airport.

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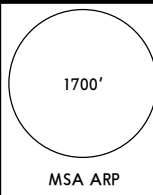
USDB
BOVANENKOVO

JEPPESSEN
29 APR 16 (10-2D)

BOVANENKOVO, RUSSIA
RNAV STAR

Apt Elev
23'

Alt Set: MM (hPa on request)
Trans level: FL60 Trans alt: 3940'
RNAV (GNSS)



TUMOK 1F [TUM01F]
RWY 10

TUMOK 1G [TUM01G]
RWY 28

RNAV
FOR RUSSIAN USERS ONLY

TUMOK
N71 13.0 E066 54.4



40



RENLA
N70 38.8 E067 55.1
At or above
FL60



151°
TUMOK 1F
14

(IAF)
DB007
N70 24.6 E067 55.8

At 1650'



109°
TUMOK 1G
28



Direct distance to
Bovanenkovo Apt from:
DB007 10 NM
DB009 11 NM

(IAF)
DB009
N70 17.5 E068 53.3

At 1320'

FT/METER CONVERSION

QNH

3940' - 1200m

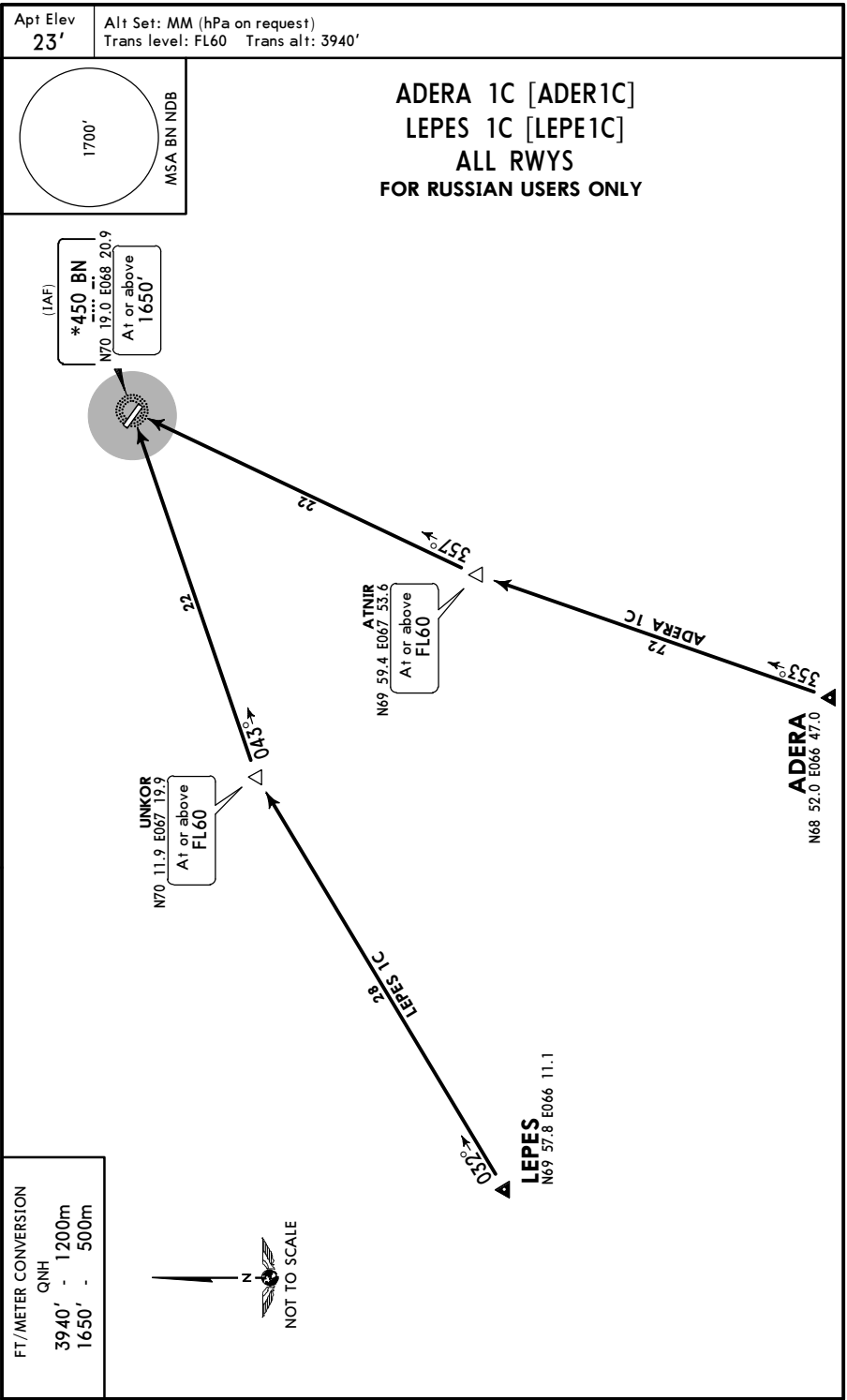
1650' - 500m

1320' - 400m

USDB
BOVANENKOVO

JEPPesen
29 APR 16 (10-2F)

BOVANENKOVO, RUSSIA
STAR

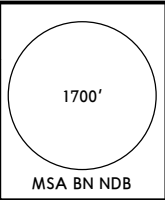


USDB
BOVANENKOVO

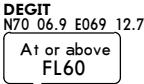
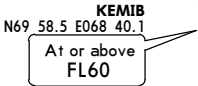
JEPPesen
29 APR 16 (10-2G)

BOVANENKOVO, RUSSIA
STAR

Apt Elev 23'	Alt Set: MM (hPa on request) Trans level: FL60 Trans alt: 3940'
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NONRA 1C [NONR1C]
TALNA 1C [TALN1C]
ALL RWYS
FOR RUSSIAN USERS ONLY



FT/METER CONVERSION	
QNH	
3940'	- 1200m
1650'	- 500m

CHANGES: New airport.

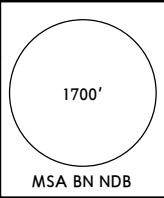
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USDB
BOVANENKOVO

JEPPesen
29 APR 16 (10-2H)

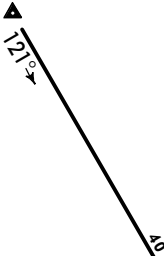
BOVANENKOVO, RUSSIA
STAR

Apt Elev 23'	Alt Set: MM (hPa on request) Trans level: FL60 Trans alt: 3940'
-----------------	--



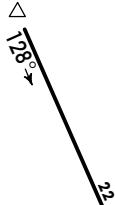
TUMOK 1C [TUM01C]
ALL RWYS
FOR RUSSIAN USERS ONLY

TUMOK
N71 13.0 E066 54.4



RENLA
N70 38.8 E067 55.1

At or above
FL60



*450 BN
N70 19.0 E068 20.9
At or above
1650'



FT/METER CONVERSION	
QNH	
3940'	- 1200m
1650'	- 500m

USDB
BOVANENKOVO

JEPPesen
29 APR 16 (10-3)

BOVANENKOVO, RUSSIA
RNAV SID

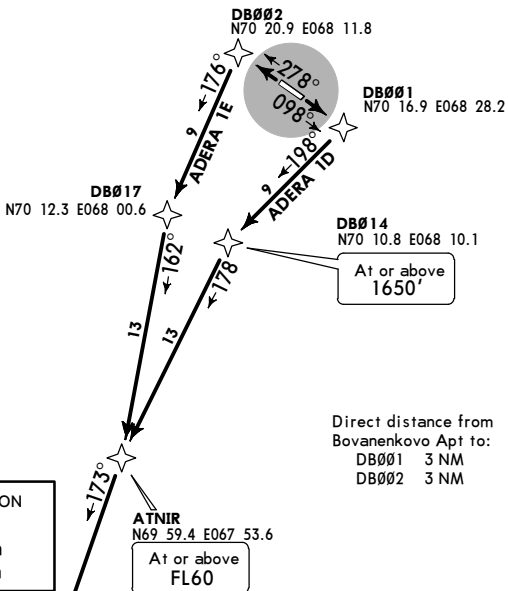
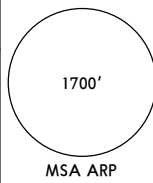
Apt Elev
23'

Trans level: FL60 Trans alt: 3940'
RNAV (GNSS)

ADERA 1D [ADER1D]
RWY 10

ADERA 1E [ADER1E]
RWY 28

RNAV
FOR RUSSIAN USERS ONLY



FT/METER CONVERSION
QNH
1650' - 500m
3940' - 1200m

Direct distance from
Bovanenkovo Apt to:
DB001 3 NM
DB002 3 NM



ADERA
N68 52.0 E066 47.0

This SID requires a minimum climb gradient
of
ADERA 1D: 4.4% up to FL60.

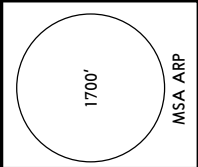
Gnd speed-KT	75	100	150	200	250	300
4.4% V/V (fpm)	334	446	668	891	1114	1337

USDB
BOVANENKOVO

JEPPesen
29 APR 16 (10-3A)

BOVANENKOVO, RUSSIA
RNAV SID

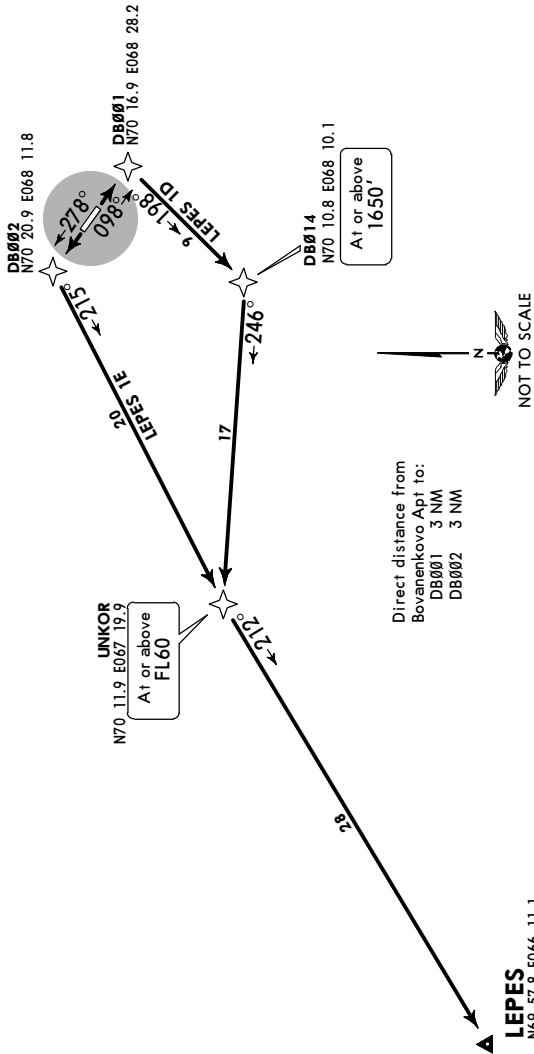
Apt Elev 23' Trans level: FL60 Trans alt: 3940'
RNAV (GNSS)



LEPES 1D [LEPE1D]
RWY 10

LEPES 1E [LEPE1E]
RWY 28

RNAV
FOR RUSSIAN USERS ONLY



FT/METER CONVERSION
QNH
1650' - 500m
3940' - 1200m

Direct distance from
Bovanenkovo Apt to:
DB001 3 NM
DB002 3 NM

This SID requires a minimum climb gradient
of
LEPES 1E: 4.7% up to FL60.

Grnd speed-KT	75	100	150	200	250	300
4.7% V/V (fpm)	357	476	714	952	1190	1428

USDB
BOVANENKOVO

JEPPESSEN
29 APR 16 (10-3B)

BOVANENKOVO, RUSSIA
RNAV SID

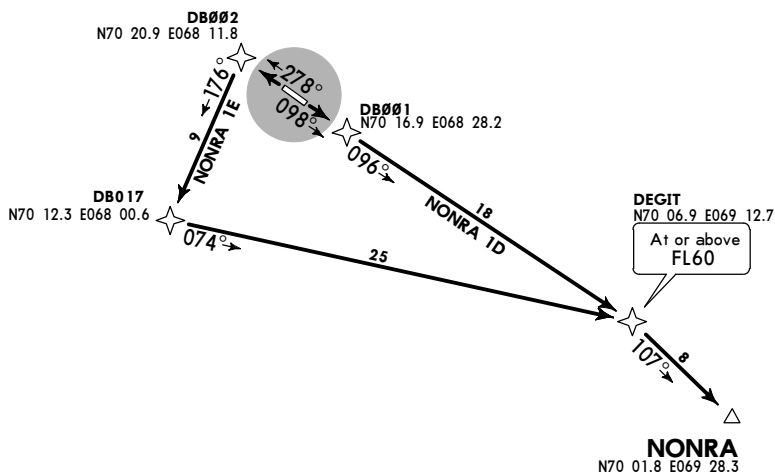
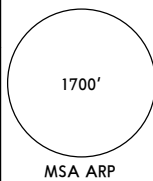
Apt Elev
23'

Trans level: FL60 Trans alt: 3940'
RNAV (GNSS)

NONRA 1D [NONR1D]
RWY 10

NONRA 1E [NONR1E]
RWY 28

RNAV
FOR RUSSIAN USERS ONLY



Direct distance from
Bovanenkovo Apt to:
DB001 3 NM
DB002 3 NM



This SID requires a minimum climb gradient
of
NONRA 1D: 4.8% up to FL60.

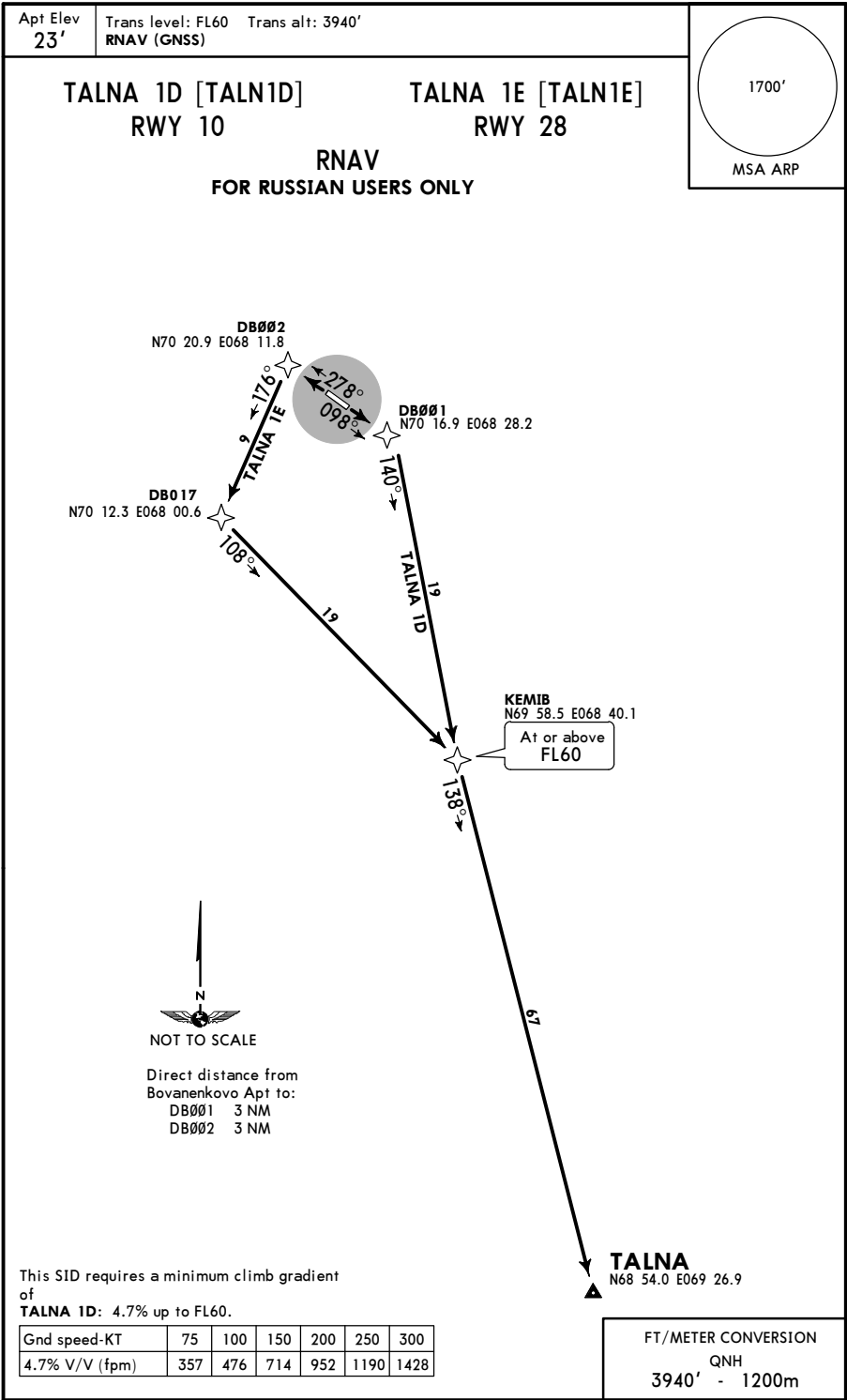
Gnd speed-KT	75	100	150	200	250	300
4.8% V/V (fpm)	365	486	729	972	1215	1458

FT/METER CONVERSION
QNH
3940' - 1200m

USDB
BOVANENKOVO

JEPPesen
29 APR 16 (10-3C)

BOVANENKOVO, RUSSIA
RNAV SID



USDB
BOVANENKOVO

JEPPesen
29 APR 16 (10-3D)

BOVANENKOVO, RUSSIA
RNAV SID

Apt Elev
23'

Trans level: FL60
RNAV (GNSS)

Trans alt: 3940'

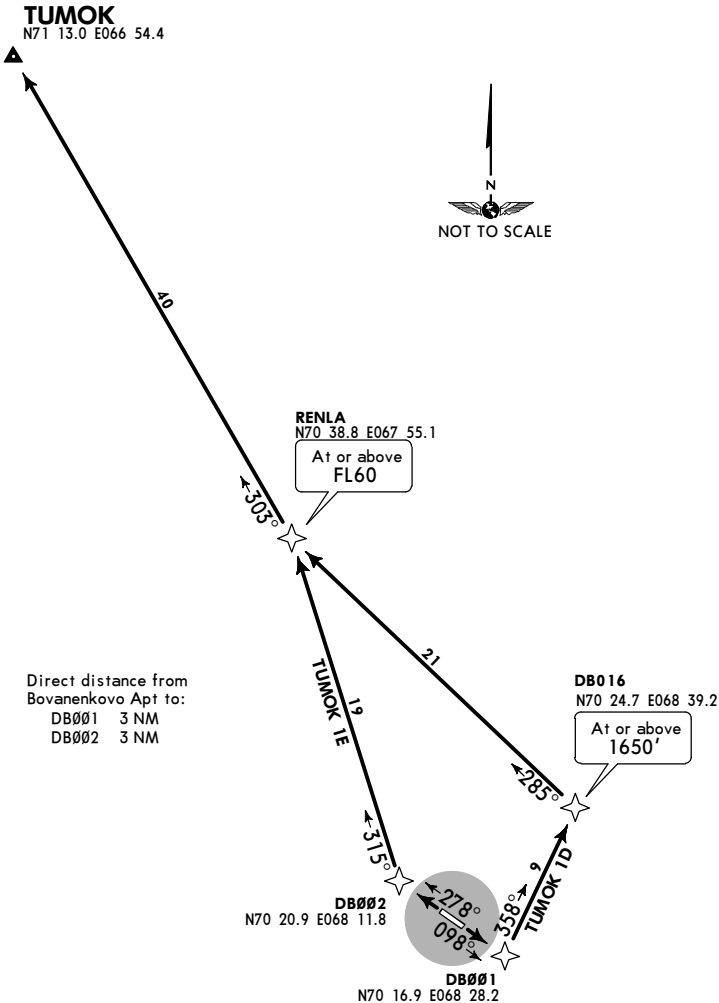
TUMOK 1D [TUM01D]
RWY 10

TUMOK 1E [TUM01E]
RWY 28

RNAV
FOR RUSSIAN USERS ONLY

1700'

MSA ARP



This SID requires a minimum climb gradient of

TUMOK 1E: 4.8% up to FL60.

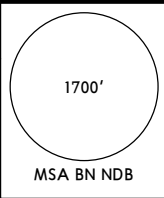
Gnd speed-KT	75	100	150	200	250	300
4.8% V/V (fpm)	365	486	729	972	1215	1458

FT/METER CONVERSION	
QNH	
1650'	- 500m
3940'	- 1200m

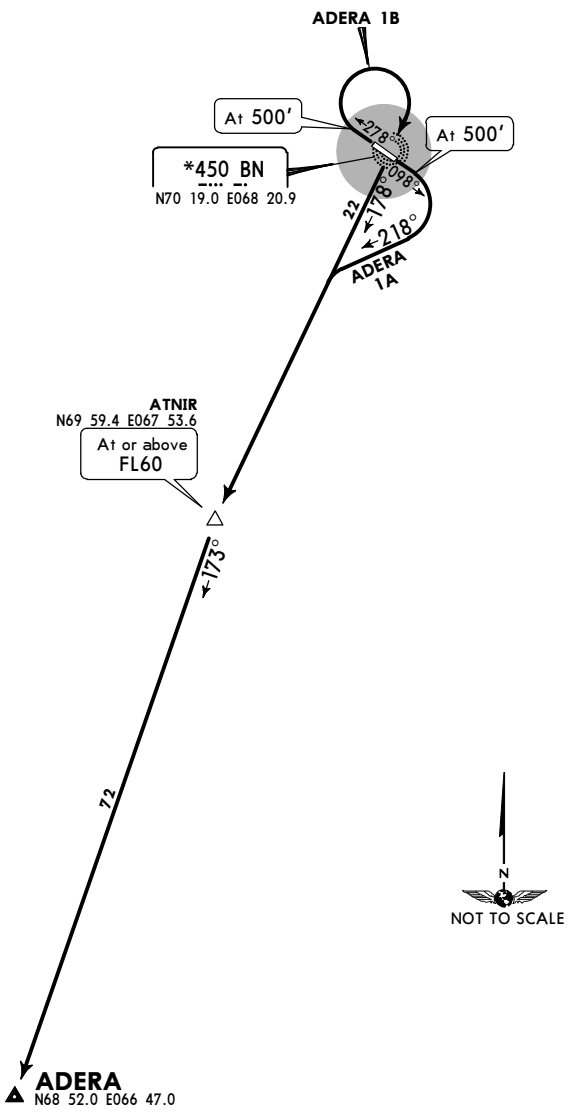
USDB
BOVANENKOVO

JEPPESEN BOVANENKOVO, RUSSIA
29 APR 16 10-3F
SID

Apt Elev 23'
Trans level: FL60 Trans alt: 3940'



ADERA 1A [ADER1A] ADERA 1B [ADER1B]
RWY 10 RWY 28
FOR RUSSIAN USERS ONLY

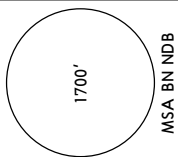


FT/METER CONVERSION	
QNH	
500' - 150m	
3940' - 1200m	

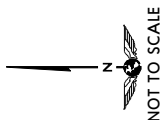
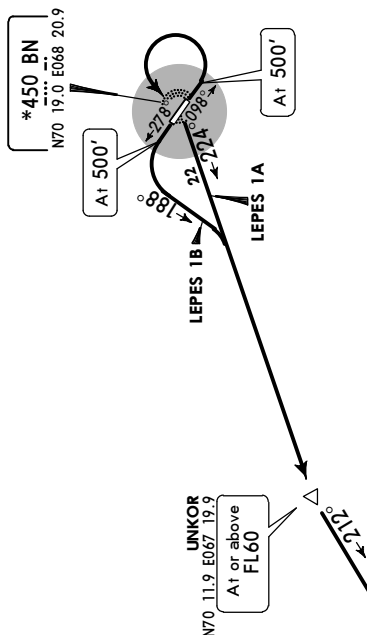
This SID requires a minimum climb gradient of
ADERA 1A: 4.4% up to FL60.

Gnd speed-KT	75	100	150	200	250	300
4.4% V/V (fpm)	334	446	668	891	1114	1337

Trans level: FL60 Trans alt: 3940'



LEPES 1B [LEPE1B]
RWY 28
RS ONLY



500' - 150m
3940' - 1200m

LEPES
N69 57.8 E066 11.1

This SID requires a minimum climb gradient of **LEPES 1B: 4.7% up to FL60.**

Gnd speed-KT	75	100	150	200	250	300
4.7% V/V (fpm)	357	476	714	952	1190	1428

USDB
BOVANENKOVO

JEPPesen
29 APR 16 (10-3H)

BOVANENKOVO, RUSSIA
SID

Apt Elev
23'

Trans level: FL60 Trans alt: 3940'

NONRA 1A [NONR1A]

RWY 10

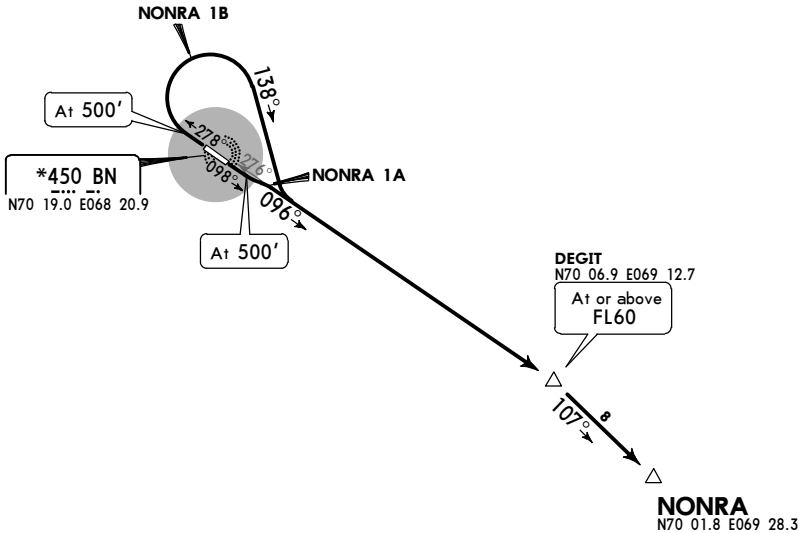
NONRA 1B [NONR1B]

RWY 28

FOR RUSSIAN USERS ONLY

1700'

MSA BN NDB



This SID requires a minimum climb gradient
of
NONRA 1A: 4.8% up to FL60.

Gnd speed-KT	75	100	150	200	250	300
4.8% V/V (fpm)	365	486	729	972	1215	1458

FT/METER CONVERSION

QNH
500' - 150m
3940' - 1200m

USDB
BOVANENKOVO

JEPPESSEN
29 APR 16 (10-3J)

BOVANENKOVO, RUSSIA
SID

Apt Elev
23'

Trans level: FL60 Trans alt: 3940'

TALNA 1A [TALN1A]

RWY 10

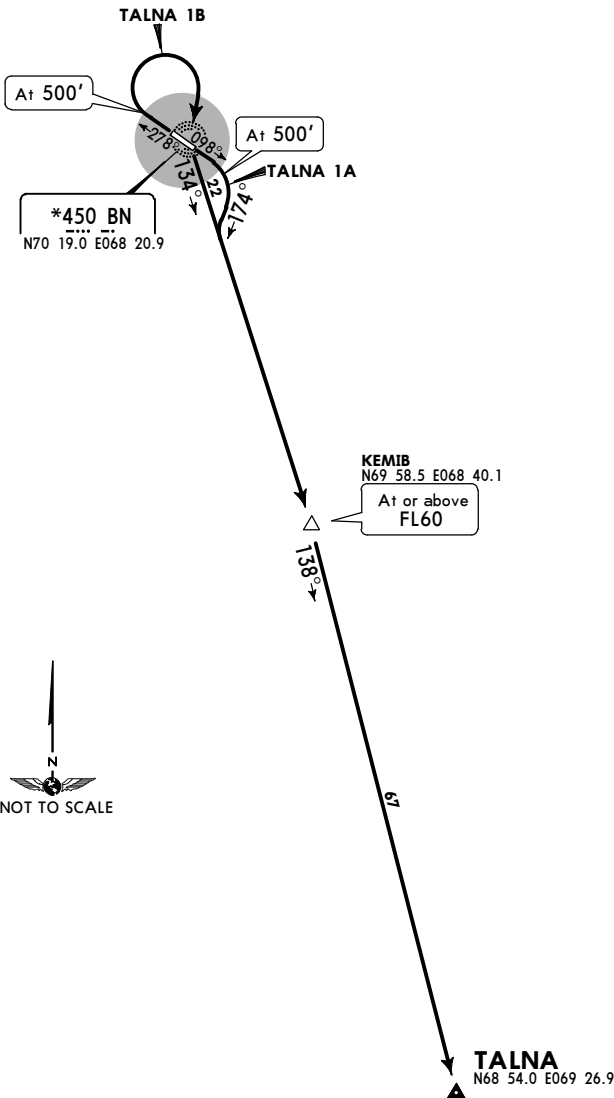
TALNA 1B [TALN1B]

RWY 28

FOR RUSSIAN USERS ONLY

1700'

MSA BN NDB



This SID requires a minimum climb gradient
of

TALNA 1A: 4.7% up to FL60.

Gnd speed-KT	75	100	150	200	250	300
4.7% V/V (fpm)	357	476	714	952	1190	1428

FT/METER CONVERSION

QNH
500' - 150m
3940' - 1200m

USDB
BOVANENKOVO

JEPPesen
29 APR 16 (10-3K)

BOVANENKOVO, RUSSIA
SID

Apt Elev
23'

Trans level: FL60 Trans alt: 3940'

TUMOK 1A [TUM01A]

RWY 10

TUMOK 1B [TUM01B]

RWY 28

FOR RUSSIAN USERS ONLY

1700'

MSA BN NDB

TUMOK
N71 13.0 E066 54.4



RENLA
N70 38.8 E067 55.1

At or above
FL60

TUMOK 1B

At 500'

*450 BN
N70 19.0 E068 20.9

TUMOK 1A

This SID requires a minimum climb gradient
of
TUMOK 1B: 4.8% up to FL60.

Gnd speed-KT	75	100	150	200	250	300
4.8% V/V (fpm)	365	486	729	972	1215	1458

FT/METER CONVERSION

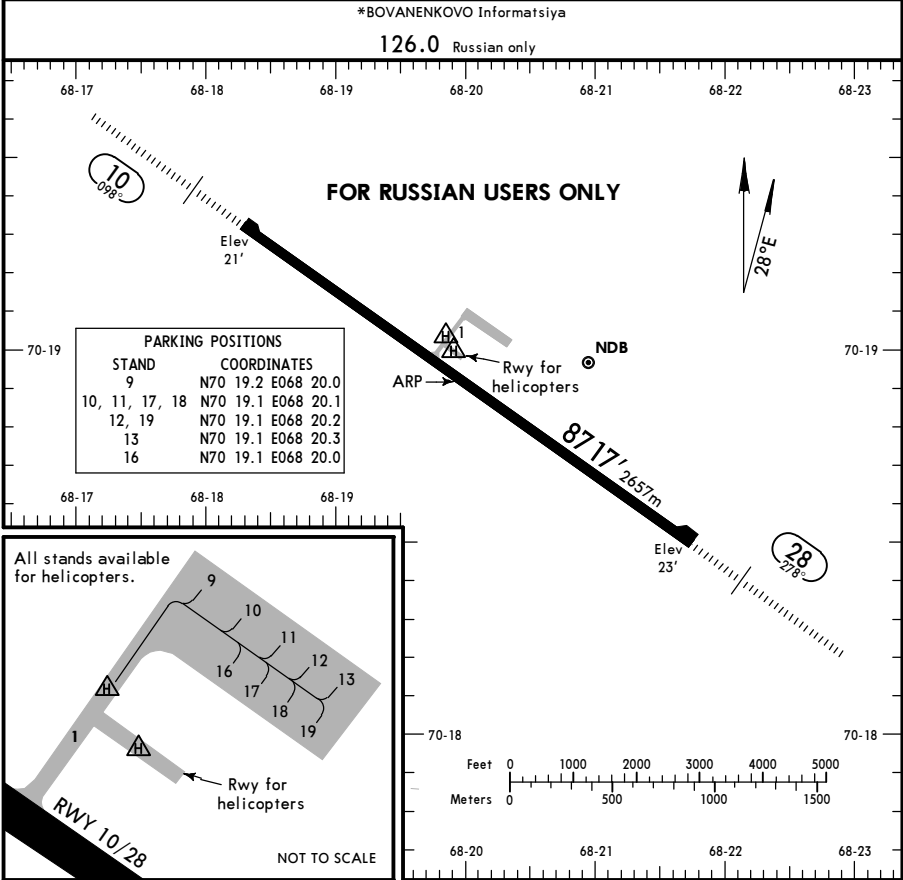
QNH
500' - 150m
3940' - 1200m

USDB

Apt Elev **23'**
N70 18.9 E068 20.0

JEPPESSEN
29 APR 16 **(10-9)**

BOVANENKOVO, RUSSIA
BOVANENKOVO



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS		TAKE-OFF	WIDTH
		LANDING BEYOND			
		Threshold	Glide Slope		
10 28	HIRL (60m) HIALS PAPI-L (angle 3.0°)				151' 46m

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	400m
C		
D	300m	

USDB

STRAIGHT-IN RWY		A	B	C	D
10	GLS	221'(200')	221'(200')	221'(200')	221'(200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	RNAV ①	350'(329')	350'(329')	350'(329')	350'(329')
		R800m	R800m	R800m	R800m
	ALS out	R1500m	R1500m	R1500m	R1500m
	NDB ①	430'(409')	430'(409')	440'(419')	450'(429')
		R1200m	R1200m	R1200m	R1300m
	ALS out	R1500m	R1500m	R1900m	R2000m
	NDB	430'(409')	430'(409')	440'(419')	450'(429')
		R1400m	R1400m	R1600m	R1700m
	ALS out	C2100m	C2100m	C2300m	C2400m
28	GLS	223'(200')	223'(200')	223'(200')	223'(200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	RNAV ①	330'(307')	330'(307')	330'(307')	330'(307')
		R750m	R750m	R750m	R750m
	ALS out	R1400m	R1400m	R1400m	R1400m
	NDB ①	430'(407')	430'(407')	440'(417')	460'(437')
		R1200m	R1200m	R1200m	R1300m
	ALS out	R1500m	R1500m	R1900m	R2000m
	NDB	430'(407')	430'(407')	440'(417')	460'(437')
		R1400m	R1400m	R1600m	R1700m
	ALS out	C2100m	C2100m	C2300m	C2400m

① Continuous Descent Final Approach.

CIRCLE-TO-LAND	100 KT	135 KT	180 KT	205 KT
	470'(447')	530'(507')	650'(627')	730'(707')
	V1500m ②	V1600m ②	V2400m	V3600m

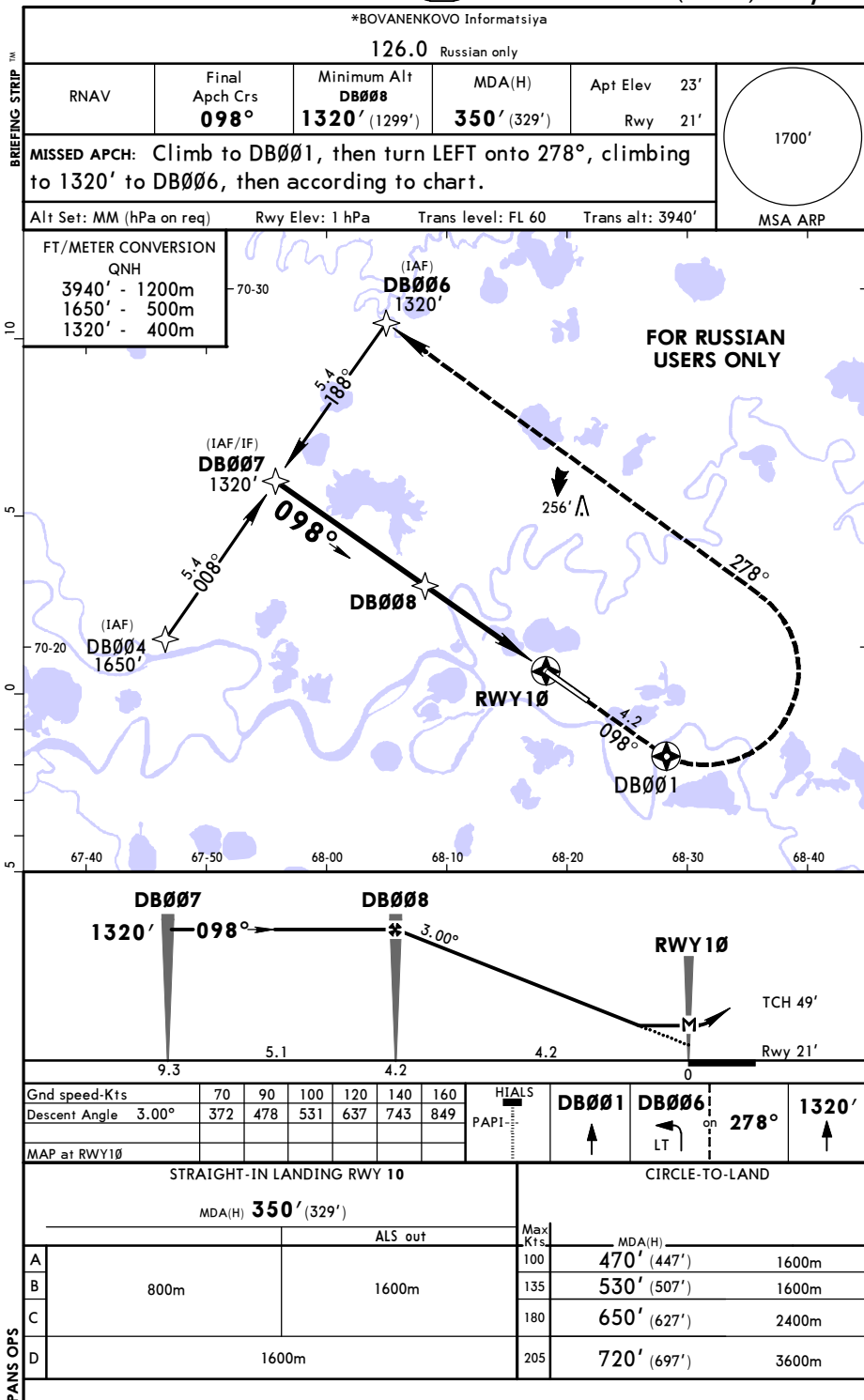
② or higher minimums of preceding straight-in approach.

TAKE-OFF RWY 10, 28			
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		

USDB
BOVANENKOVO

JEPPesen
29 APR 16 (12-1)

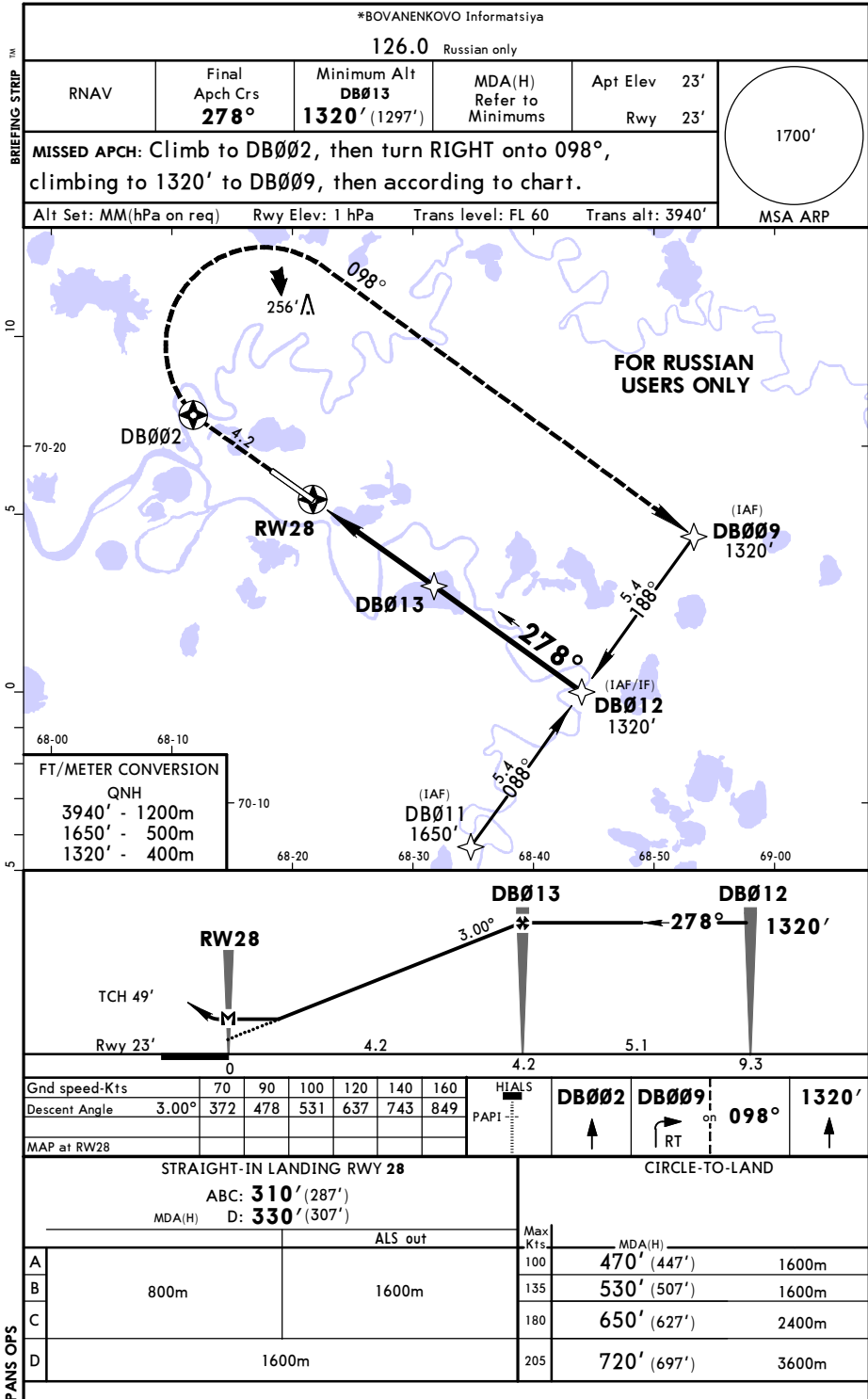
BOVANENKOVO, RUSSIA
RNAV (GNSS) Rwy 10



USDB
BOVANENKOVO

JEPPesen
29 APR 16 (12-2)

BOVANENKOVO, RUSSIA
RNAV (GNSS) Rwy 28



USDB
BOVANENKOVO

JEPPesen
29 APR 16 (12-40)

BOVANENKOVO, RUSSIA
GLS Rwy 10

*BOVANENKOVO Informatsiya

126.0 Russian only

GLS
Ch 20665
DB10

Final
Apch Crs
098°

Minimum Alt
DB008
1320' (1299')

GLS
DA(H)
221' (200')

Apt Elev 23'
Rwy 21'

1700'

MISSED APCH: Climb to DB001, then turn LEFT onto 278°, climbing to 1320' to DB006, then according to chart.

Alt Set: MM (hPa on req)

Rwy Elev: 1 hPa

Trans level: FL 60

Trans alt: 3940'

MSA ARP

FT/METER CONVERSION

QNH

3940' - 1200m

1650' - 500m

1320' - 400m

70-30

(IAF)
DB006
1320'

**FOR RUSSIAN
USERS ONLY**

(IAF/IF)
DB007
1320'

098°

DB008

GLS
Ch 20665 DB10

(IAF)
DB004
1650'

DB001

DB007
1320'

098°

(FAP)
DB008

TCH 49'

Rwy 10

Gnd speed-Kts	70	90	100	120	140	160
Glide Path Angle 3.00°	372	478	531	637	743	849
MAP at DA						

HIALS
PAPI

DB001

DB006

on

278°

1320'

STRAIGHT-IN LANDING RWY 10

CIRCLE-TO-LAND

DA(H) **221'** (200')

FULL

ALS out

Max
Kts

MDA(H)

1600m

A

800m

1200m

100

470' (447')

B

135

530' (507')

C

180

650' (627')

D

205

720' (697')

1600m

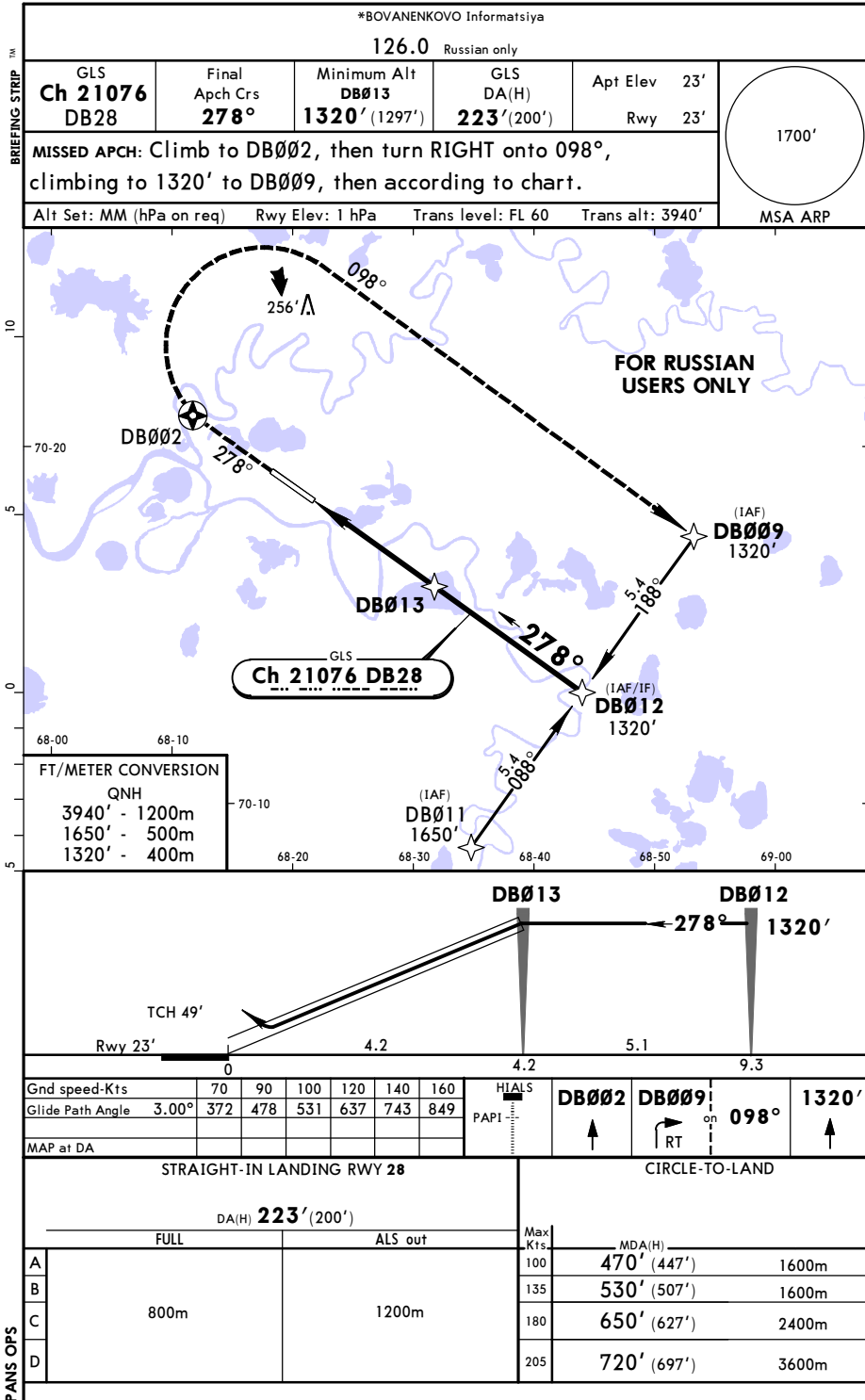
2400m

3600m

USDB
BOVANENKOVO

JEPPesen
29 APR 16 (12-41)

BOVANENKOVO, RUSSIA
GLS Rwy 28



USDB
BOVANENKOVO

JEPPesen
29 APR 16 16-1

BOVANENKOVO, RUSSIA
NDB Rwy 10

BREIING STRIP™

*BOVANENKOVO Informatsiya

126.0 Russian only

NDB
BN
*450

Final
Apch Crs
091°

No FAF

MDA(H)
Refer to
Minimums

Apt Elev 23'
Rwy 21'

1700'

MISSED APCH: Climb STRAIGHT AHEAD to 1320', then turn RIGHT to NDB, then according to chart.

Alt Set: MM (hPa on req)

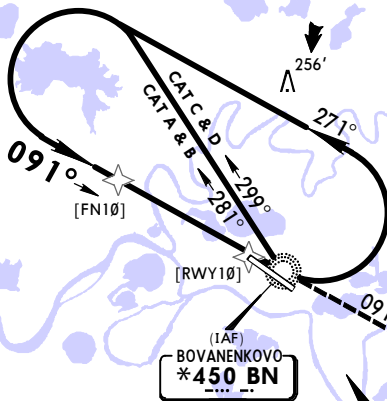
Rwy Elev: 1 hPa

Trans level: FL 60

Trans alt: 3940'

MSA BN NDB

FOR RUSSIAN
USERS ONLY



RACETRACK

After STAR:
ADERA 1C, LEPES 1C, TUMOK 1C

BASETURN

After STAR:
NONRA 1C, TALNA 1C

FT/METER CONVERSION

QNH

3940' - 1200m

1320' - 400m

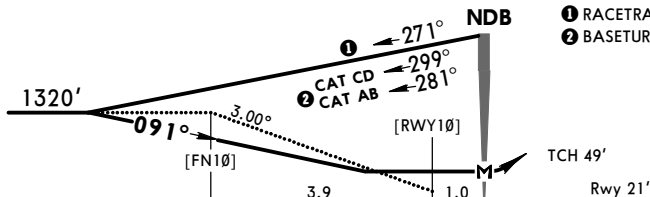
Start
turn at

CAT A & B:

3 Min

CAT C & D:

2 Min



① RACETRACK
② BASETURN

TCH 49'

Rwy 21'

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

HIALS
PAPI

1320'

BN
450

STRAIGHT-IN LANDING RWY 10

CIRCLE-TO-LAND

C: 440' (419')
MDA(H) AB: 430' (409') D: 450' (429')

ALS out

Max
Kts

MDA(H)

A		1600m	100	470' (447')	1600m
B	1200m		135	530' (507')	1600m
C		2000m	180	650' (627')	2400m
D	2000m	2400m	205	720' (697')	3600m

PANS OPS

CHANGES: New procedure.

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USDB
BOVANENKOVO

JEPPesen
29 APR 16 **16-2**

BOVANENKOVO, RUSSIA
NDB Rwy 28

*BOVANENKOVO Informatsiya

126.0 Russian only

NDB
BN
*450

Final
Apch Crs
286°

No FAF

MDA(H)
Refer to
Minimums

Apt Elev 23'
Rwy 23'

1700'

MISSED APCH: Climb STRAIGHT AHEAD to 1320', then turn LEFT to NDB, then according to chart.

Alt Set: MM (hPa on req)

Rwy Elev: 1 hPa

Trans level: FL 60

Trans alt: 3940'

MSA BN NDB

FOR RUSSIAN
USERS ONLY

(IAF)
BOVANENKOVO
*450 BN

[EN28]

[FN28]

RACETRACK
After STAR:
ADERA 1C, NONRA 1C
TALNA 1C
BASETURN
After STAR:
LEPES 1C, TUMOK 1C

FT/METER CONVERSION

QNH

3940' - 1200m

1320' - 400m

- ① RACETRACK
- ② BASETURN

NDB

107°

078°

095°

CAT CD

CAT AB

3.00°

286°

1320'

TCH 49'

Rwy 23'

0.5

3.9

[EN28]

[FN28]

Start
turn at

CAT A & B:
3 Min
CAT C & D:
2 Min

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

HALS	1320'	BN 450
PAPI	↑	LT

STRAIGHT-IN LANDING RWY 28

C: 440' (417')

MDA(H) AB: 430' (407') D: 460' (437')

ALS out

CIRCLE-TO-LAND

	Max Kts	MDA(H)	
A	100	470' (447')	1600m
B	135	530' (507')	1600m
C	180	650' (627')	2400m
D	205	720' (697')	3600m

Chart changes since cycle 12-2016

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

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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BOVANENKOVO, (BOVANENKOVO - USDB)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport USDB