

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

No revision activity since Disc 08-2011

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport LBBG

General Info

Burgas, BGR

N 42° 34.2' E 27° 30.9' Mag Var: 3.7°E

Elevation: 135'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: 100LL, Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+2:00 uses DST

Runway Info

Runway 04-22 10500' x 148' concrete

Runway 04 (40.0°M) TDZE 92'

Lights: Edge, ALS, Centerline

Stopway Distance 197'

Runway 22 (220.0°M) TDZE 122'

Lights: Edge, ALS, Centerline, TDZ

Stopway Distance 197'

Communications InfoATIS **120.95**Burgas Tower **120.0**Burgas Tower **118.0**Burgas Approach Control **125.1**Burgas Approach Control **119.65**Burgas Radar **125.1**Burgas Radar **119.65****Notebook Info**

**LBBG/BOJ
BURGAS**

18 JUN 10 (10-1R) Eff 1 Jul

BURGAS, BULGARIA

RADAR MINIMUM ALTITUDES

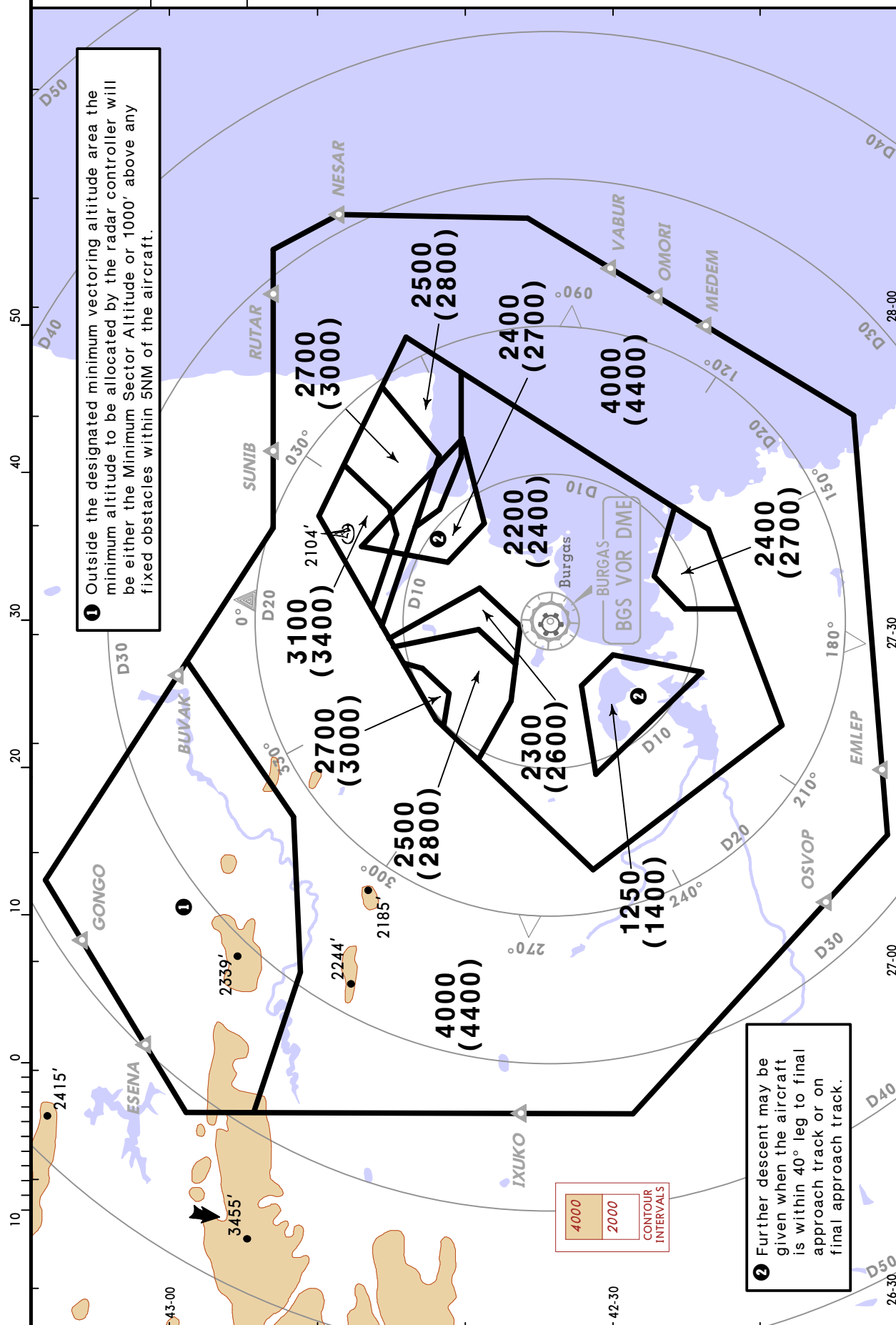
BURGAS
Approach (R)
125.1
119.65

Apt Elev
135'

Alt Set: hPa Trans level: By ATC Trans alt: 12000'

1. This chart may only be used for cross-checking of altitudes assigned while under radar control.

2. Values in brackets include a correction for low temperatures and apply from AIRAC date NOV until AIRAC date MAR unless instructed otherwise by NOTAM.



CHANGES: New chart.

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LBBG/BOJ
BURGAS

JEPPESEN
23 APR 10 **10-2** **Eff 6 May**

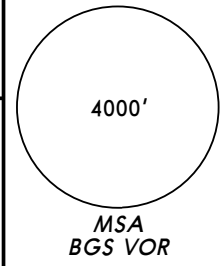
BURGAS, BULGARIA

STAR

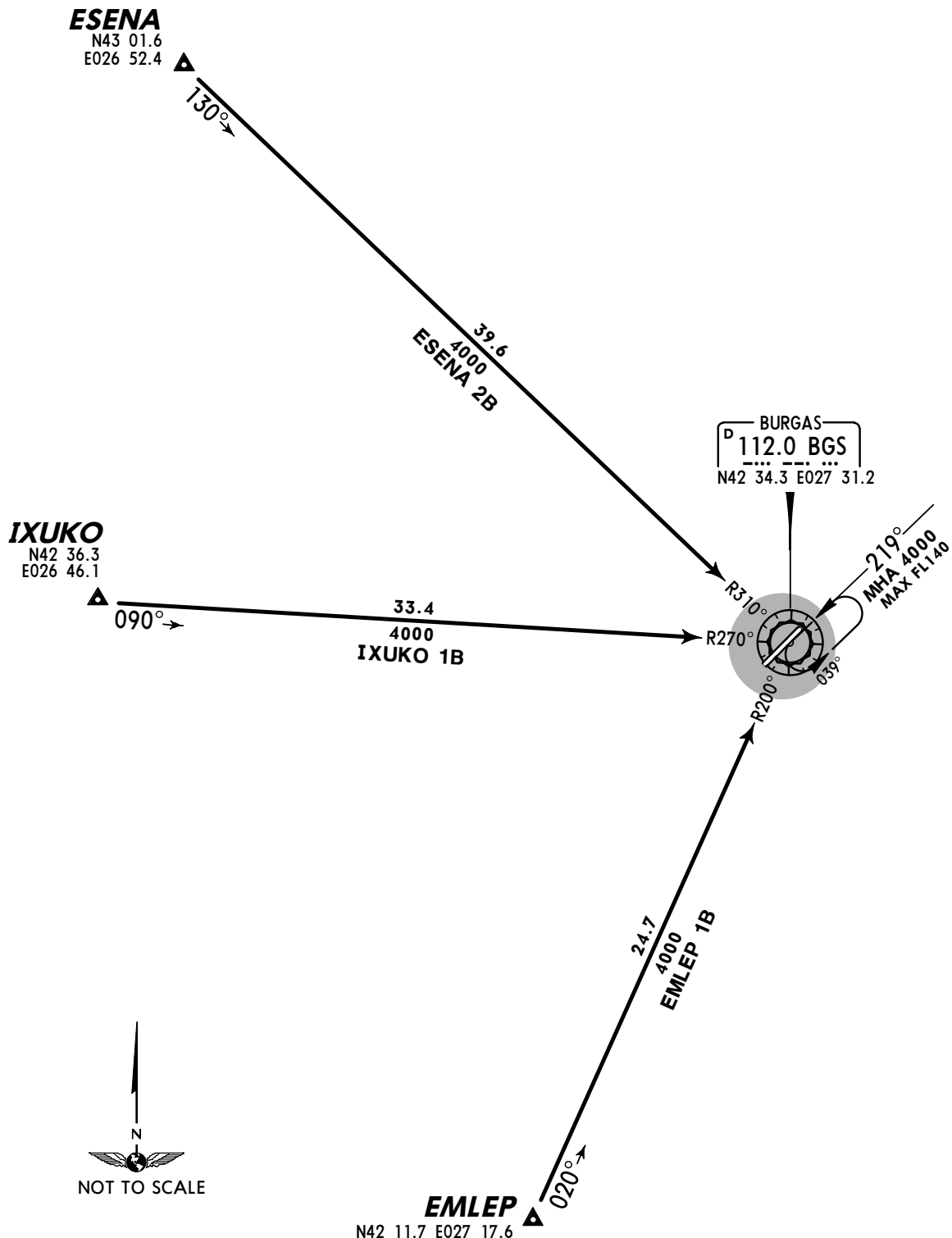
ATIS
120.95

Apt Elev
135'

Alt Set: hPa
Transition level: By ATC Trans alt: 12000'
Descent as cleared by ATC.



EMLEP ONE BRAVO (EMLEP 1B) [EMLE1B]
ESENA TWO BRAVO (ESENA 2B) [ESEN2B]
IXUKO ONE BRAVO (IXUKO 1B) [IXUK1B]
RWYS 04, 22 ARRIVALS
~~SPEED~~ MAX 250 KT BELOW 10000'



LBBG/BOJ
BURGAS

JEPPESEN
23 APR 10 **(10-2A)** **Eff 6 May**

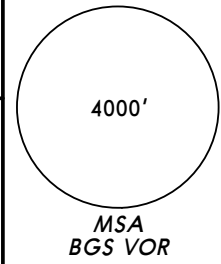
BURGAS, BULGARIA

STAR

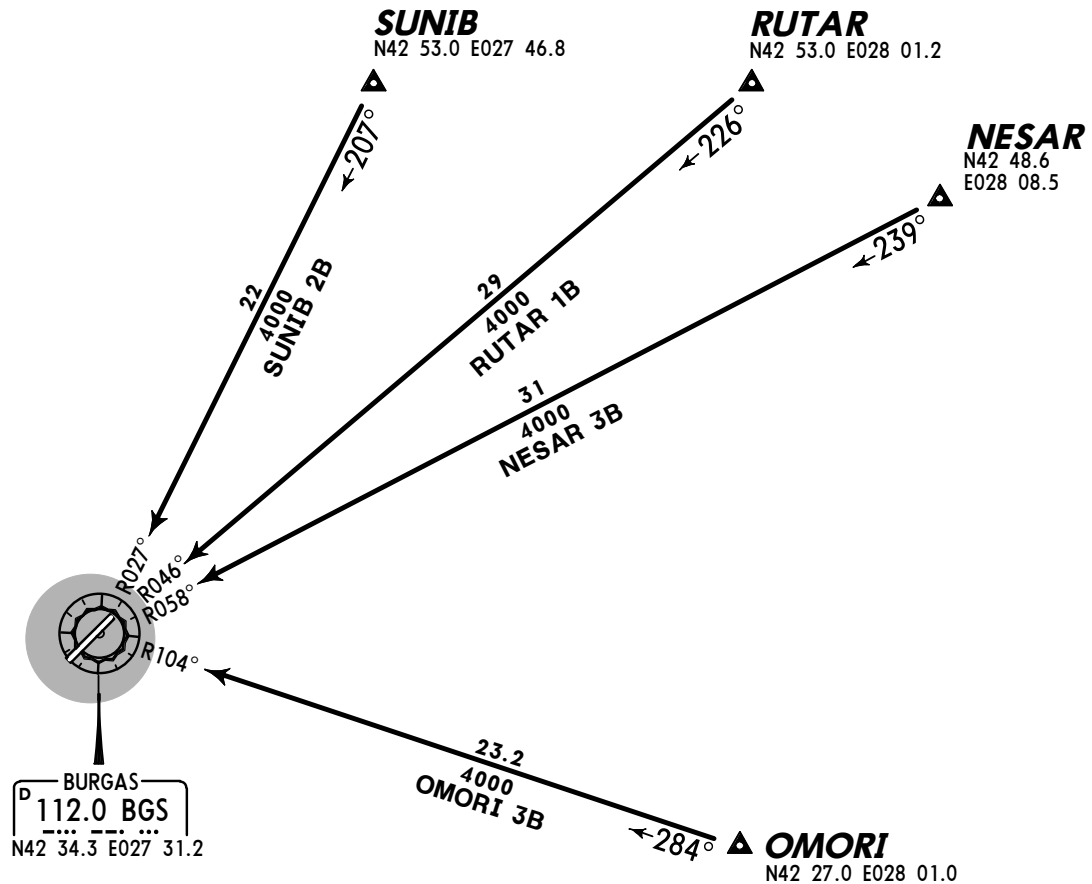
ATIS
120.95

Apt Elev
135'

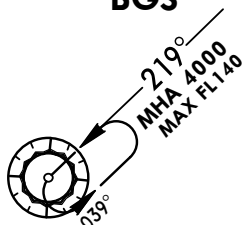
Alt Set: hPa
Transition level: By ATC Trans alt: 12000'
Descent as cleared by ATC.



NESAR THREE BRAVO (NESAR 3B) [NESA3B]
OMORI THREE BRAVO (OMORI 3B) [OMOR3B]
RUTAR ONE BRAVO (RUTAR 1B) [RUTA1B]
SUNIB TWO BRAVO (SUNIB 2B) [SUNI2B]
RWYS 04, 22 ARRIVALS
~~SPEED~~ MAX 250 KT BELOW 10000'



HOLDING OVER BGS



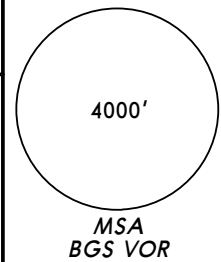
LBBG/BOJ
BURGAS

JEPPESEN
16 JUL 10 **10-2B** **Eff 29 Jul**

BURGAS, BULGARIA

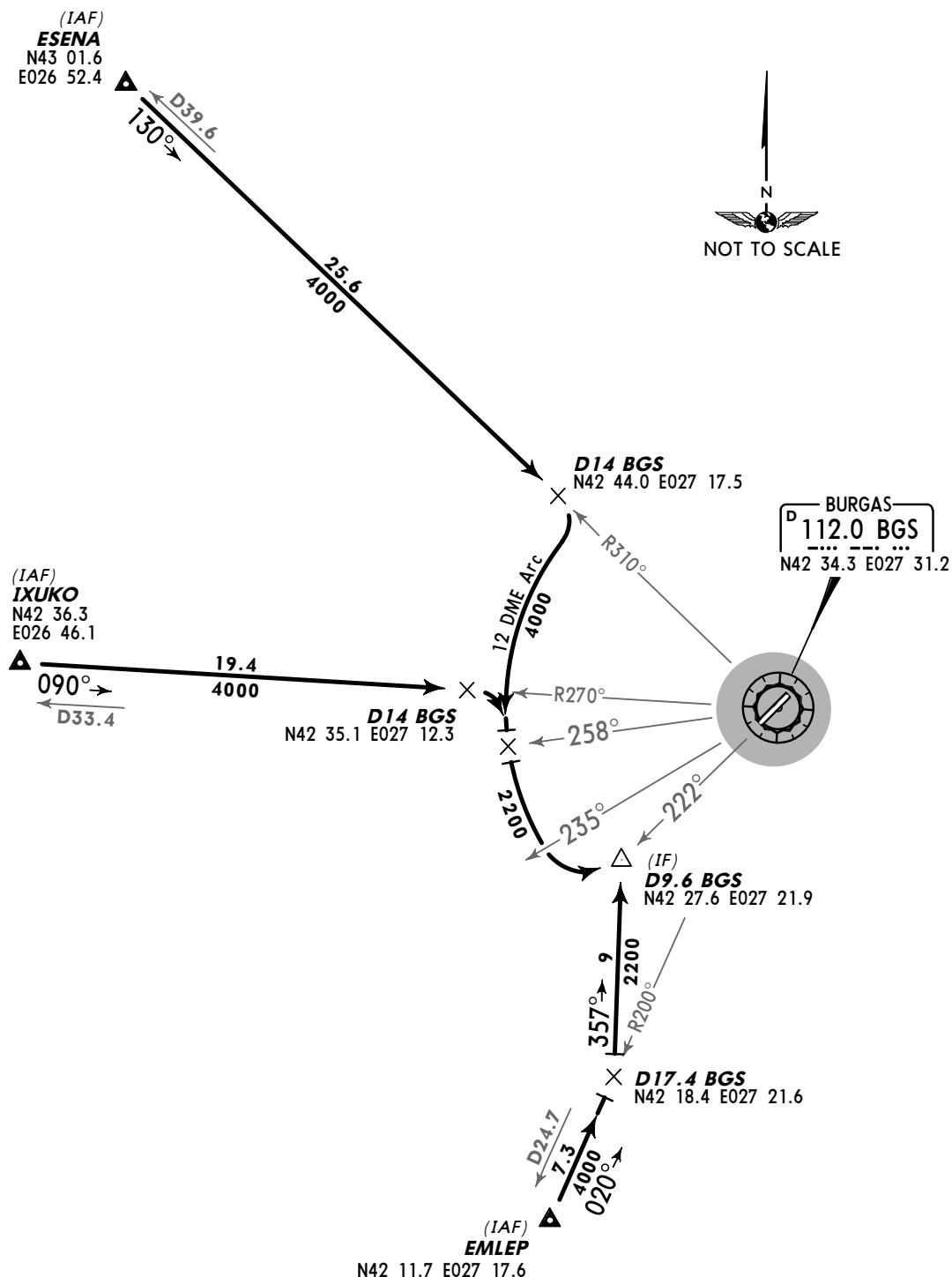
STAR

ATIS 120.95	Apt Elev 135'	Alt Set: hPa Transition level: By ATC Trans alt: 12000'
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RWY 04 INITIAL APPROACH PROCEDURES **FOR VOR APPROACH**

**FOR FINAL APPROACH
SEE APPROACH CHARTS**



LBBG/BOJ
BURGAS

JEPPesen
16 JUL 10 **10-2C** Eff 29 Jul

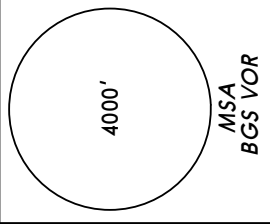
BURGAS, BULGARIA

STAR

ATIS
120.95

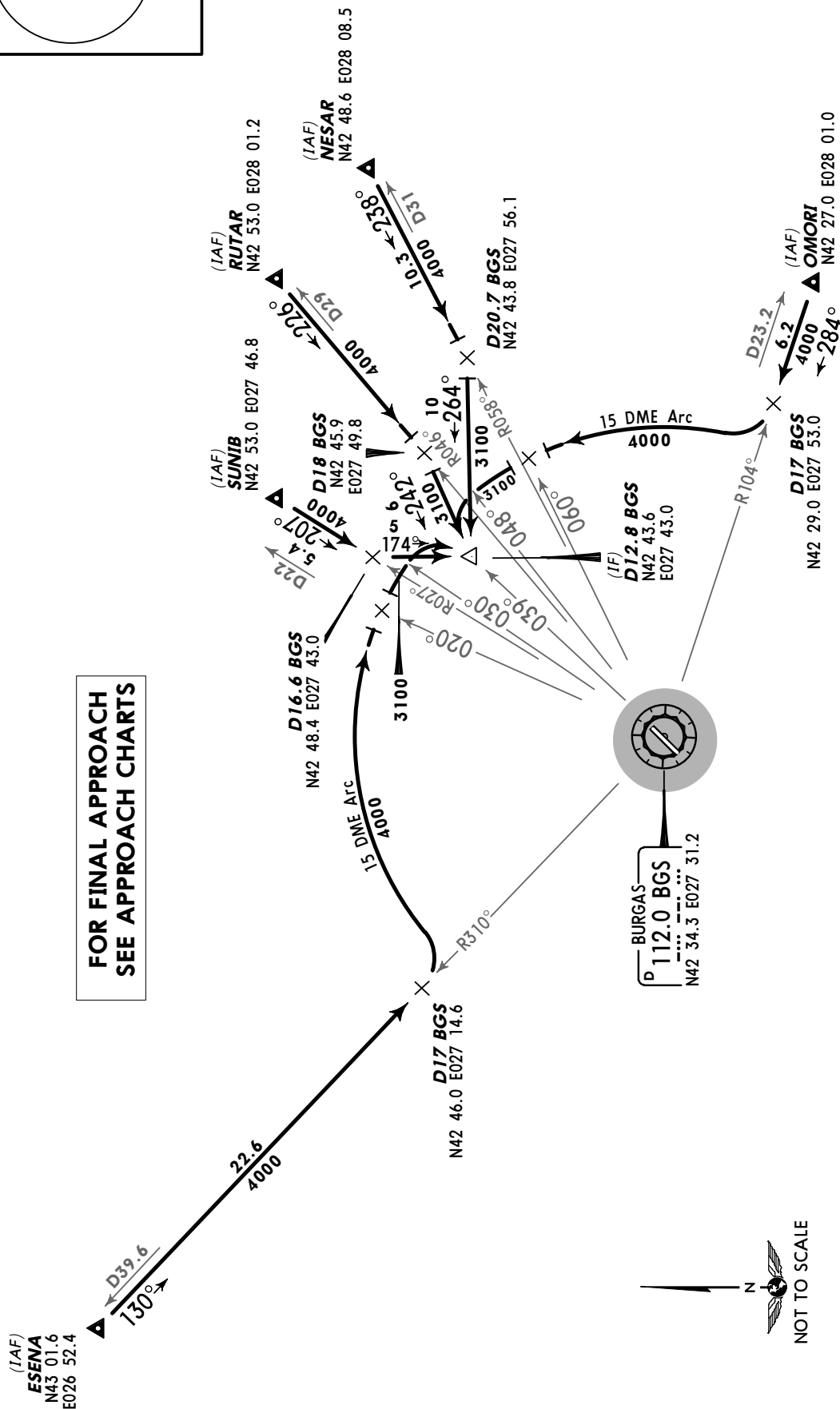
Apt Elev
135'

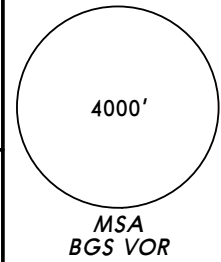
Alt Set: hPa
Transition level: By ATC Trans alt: 12000'



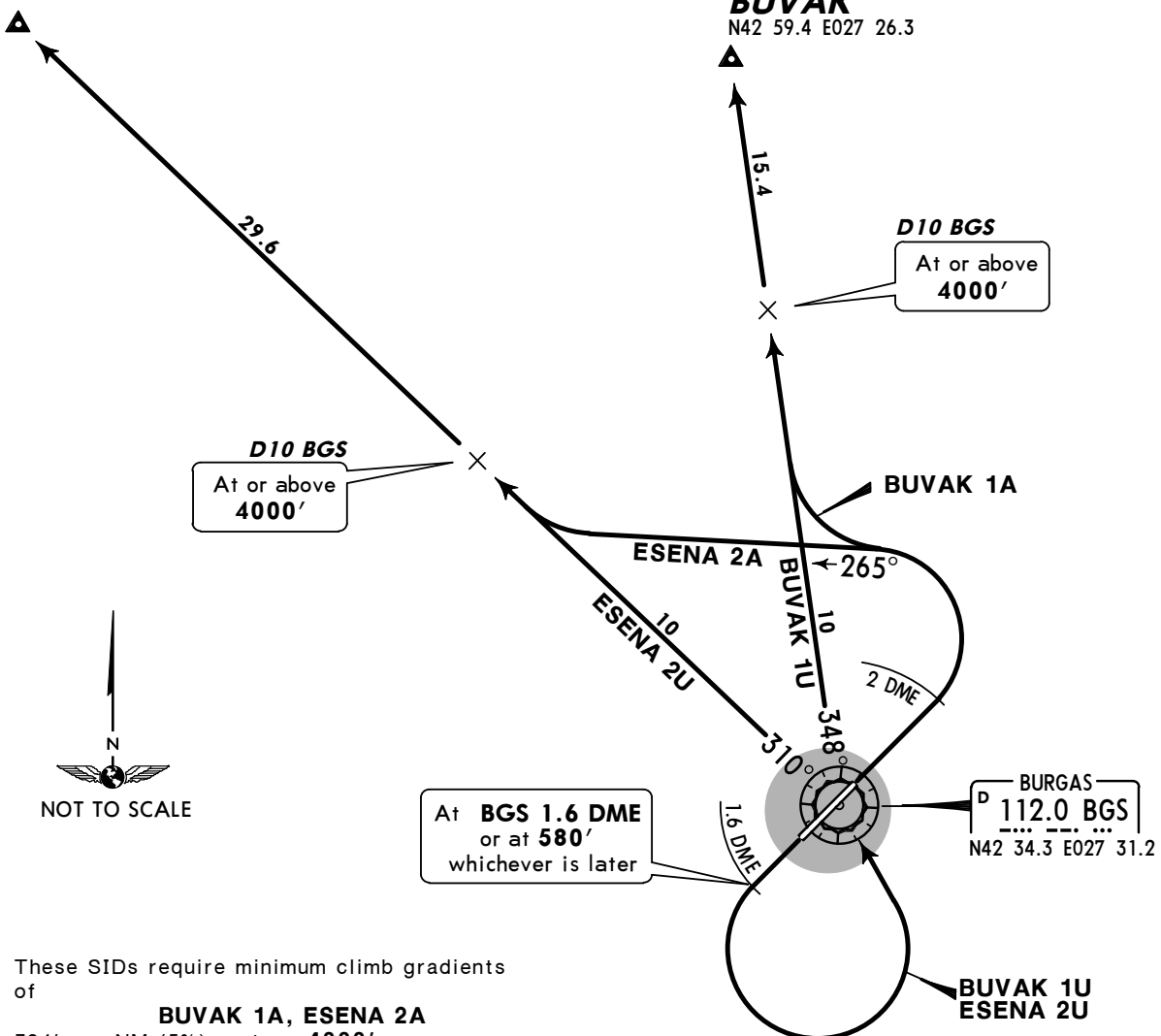
RWY 22 INITIAL APPROACH PROCEDURES FOR VOR AND ILS OR LOC APPROACH

**FOR FINAL APPROACH
SEE APPROACH CHARTS**



LBBG/BOJ
BURGAS**JEPPESEN**
23 APR 10 **10-3** **Eff 6 May****BURGAS, BULGARIA****SID****BURGAS**
Radar
125.1*Apt Elev*
135'Trans level: By ATC Trans alt: 12000'
1. Contact BURGAS Radar immediately after take-off and climb as cleared by ATC.
2. Strict compliance with SID is necessary, if unable to comply inform ATC.

BUVAK ONE ALFA (BUVAK 1A) [BUVA1A]
BUVAK ONE UNIFORM (BUVAK 1U) [BUVA1U]
ESENA TWO ALFA (ESENA 2A) [ESEN2A]
ESENA TWO UNIFORM (ESENA 2U) [ESEN2U]
RWYS 04, 22 DEPARTURES
***SPEED* MAX 250 KT BELOW 10000'**

ESENA
N43 01.6 E026 52.4**BUVAK**
N42 59.4 E027 26.3

These SIDs require minimum climb gradients of

BUVAK 1A, ESENA 2A

304' per NM (5%) up to 4000'.

BUVAK 1U, ESENA 2U

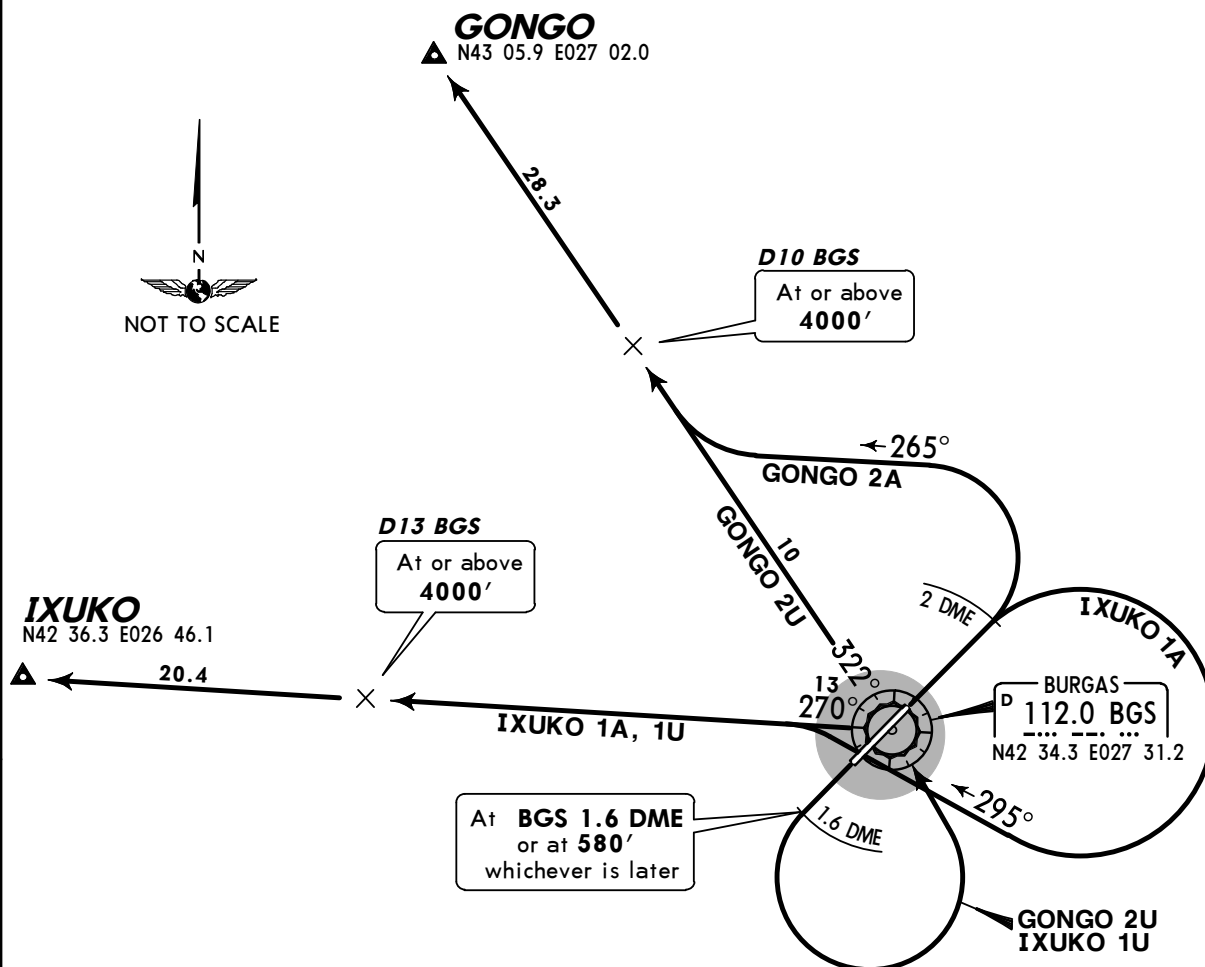
273' per NM (4.5%) up to 4000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519
273' per NM	342	456	684	911	1139	1367

SID	RWY	ROUTING
BUVAK 1A	04	Climb to BGS 2 DME, turn LEFT, intercept BGS R-348 to BUVAK.
BUVAK 1U	22	Climb to BGS 1.6 DME or 580', whichever is later, turn LEFT to BGS, BGS R-348 to BUVAK.
ESENA 2A	04	Climb to BGS 2 DME, turn LEFT, 265° track, intercept BGS R-310 to ESENA.
ESENA 2U	22	Climb to BGS 1.6 DME or 580', whichever is later, turn LEFT to BGS, BGS R-310 to ESENA.

LBBG/BOJ
BURGAS**JEPPESEN**
23 APR 10 **(10-3A)** **Eff 6 May****BURGAS, BULGARIA****SID**BURGAS
Radar
125.1Apt Elev
135'Trans level: By ATC Trans alt: 12000'
1. Contact BURGAS Radar immediately after take-off
and climb as cleared by ATC.
2. Strict compliance with SID is necessary, if unable
to comply inform ATC.

4000'

MSA
BGS VOR**GONGO TWO ALFA (GONGO 2A) [GONG2A]**
GONGO TWO UNIFORM (GONGO 2U) [GONG2U]
IXUKO ONE ALFA (IXUKO 1A) [IXUK1A]
IXUKO ONE UNIFORM (IXUKO 1U) [IXUK1U]
RWYS 04, 22 DEPARTURES
~~SPEED~~ MAX 250 KT BELOW 10000'These SIDs require minimum climb gradients
of**GONGO 2A, IXUKO 1A**
304' per NM (5%) up to **4000'**.**GONGO 2U, IXUKO 1U**
273' per NM (4.5%) up to **4000'**.

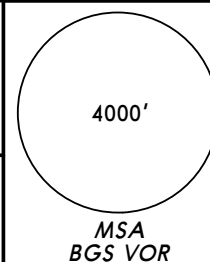
Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519
273' per NM	342	456	684	911	1139	1367

SID	RWY	ROUTING
GONGO 2A	04	Climb to BGS 2 DME, turn LEFT, 265° track, intercept BGS R-322 to GONGO.
GONGO 2U	22	Climb to BGS 1.6 DME or 580' , whichever is later, turn LEFT to BGS, BGS R-322 to GONGO.
IXUKO 1A	04	Climb to BGS 2 DME, turn RIGHT, 295° track, intercept BGS R-270 to IXUKO.
IXUKO 1U	22	Climb to BGS 1.6 DME or 580' , whichever is later, turn LEFT to BGS, BGS R-270 to IXUKO.

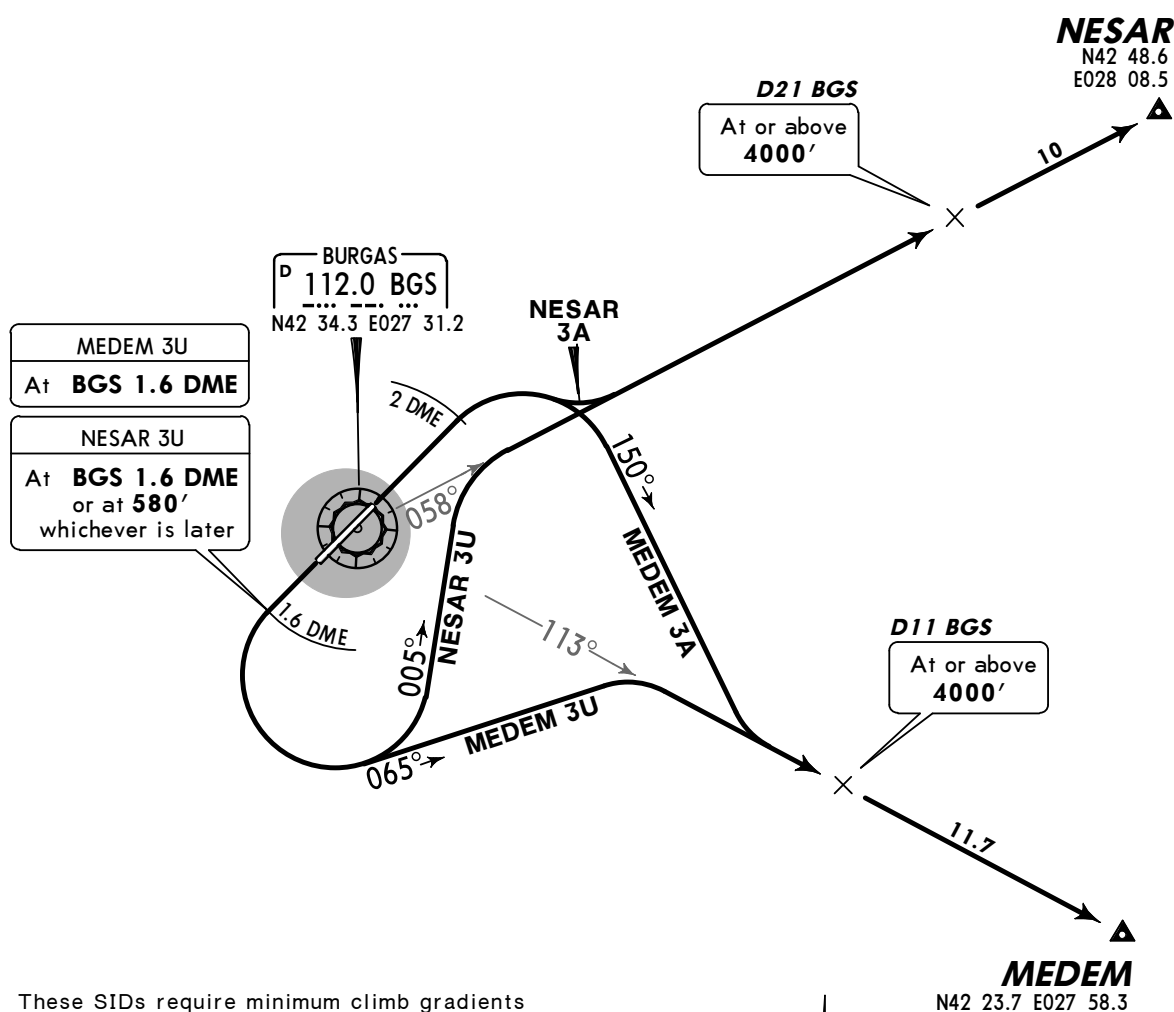
LBBG/BOJ
BURGAS**JEPPESEN**
23 APR 10 **(10-3B)** **Eff 6 May****BURGAS, BULGARIA****SID**BURGAS
Radar
125.1*Apt Elev*
135'

Trans level: By ATC Trans alt: 12000'

1. Contact BURGAS Radar immediately after take-off and climb as cleared by ATC.
2. Strict compliance with SID is necessary, if unable to comply inform ATC.



MEDEM THREE ALFA (MEDEM 3A) [MEDE3A]
MEDEM THREE UNIFORM (MEDEM 3U) [MEDE3U]
NESAR THREE ALFA (NESAR 3A) [NESA3A]
NESAR THREE UNIFORM (NESAR 3U) [NESA3U]
RWYS 04, 22 DEPARTURES
~~SPEED~~ MAX 250 KT BELOW 10000'



These SIDs require minimum climb gradients of

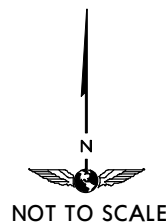
MEDEM 3A, NESAR 3A

304' per NM (5%) up to **4000'**.

MEDEM 3U, NESAR 3U

273' per NM (4.5%) up to **4000'**.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519
273' per NM	342	456	684	911	1139	1367



SID	RWY	ROUTING
MEDEM 3A	04	Climb to BGS 2 DME, turn RIGHT, 150° track, intercept BGS R-113 to MEDEM.
MEDEM 3U	22	Climb to BGS 1.6 DME, turn LEFT, 065° track, intercept BGS R-113 to MEDEM.
NESAR 3A	04	Climb to BGS 2 DME, turn RIGHT, intercept BGS R-058 to NESAR.
NESAR 3U	22	Climb to BGS 1.6 DME or 580' , whichever is later, turn LEFT, 005° track, intercept BGS R-058 to NESAR.

CHANGES: New chart.

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LBBG/BOJ
BURGAS

JEPPESSEN
23 APR 10 **10-3C** **Eff 6 May**

BURGAS, BULGARIA

SID

BURGAS Radar 125.1

Apt Elev 135'

Trans level: By ATC Trans alt: 12000'

1. Contact BURGAS Radar immediately after take-off and climb as cleared by ATC.

2. Strict compliance with SID is necessary, if unable to comply inform ATC.

MSA BGS VOR 4000'

OSVOP ONE ALFA (OSVOP 1A) [OSVO1A]
OSVOP ONE UNIFORM (OSVOP 1U) [OSVO1U]
SUNIB TWO UNIFORM (SUNIB 2U) [SUNI2U]
SUNIB TWO YANKEE (SUNIB 2Y) [SUNI2Y]
RWYS 04, 22 DEPARTURES
~~SPEED~~ MAX 250 KT BELOW 10000'

NOT TO SCALE

OSVOP
N42 15.5 E027 05.5

OSVOP 1U

SUNIB 2U
Turn at
BGS 1.6 DME
or at **580'**
whichever is later

BURGAS
D 112.0 BGS
N42 34.3 E027 31.2

D15 BGS
At or above
4000'

OSVOP 1A

SUNIB 2Y

SUNIB
N42 53.0 E027 46.8

D17 BGS
At or above
4000'

These SIDs require minimum climb gradients of

	OSVOP 1A, SUNIB 2Y
304' per NM (5%) up to 4000'.	

	OSVOP 1U, SUNIB 2U
273' per NM (4.5%) up to 4000'.	

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519
273' per NM	342	456	684	911	1139	1367

CHANGES: New chart.

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LBBG/BOJ
BURGAS **JEPPESEN**

12 APR 02

10-4

Eff 18 Apr

BURGAS, BULGARIA
NOISE

NOISE ABATEMENT

GENERAL

The following procedures are designed to avoid excessive aircraft noise over populated areas of the City of Burgas. Deviations only permitted for safety reasons.

RUNWAY USAGE

Preferential runway for landings is runway 22, for take-offs runway 04.

Exceptions to runway usage are admitted in cases when:

- tailwind component prevents the use of the preferential runway
- clearance by ATC due to saturated traffic.

EXCEPTIONS

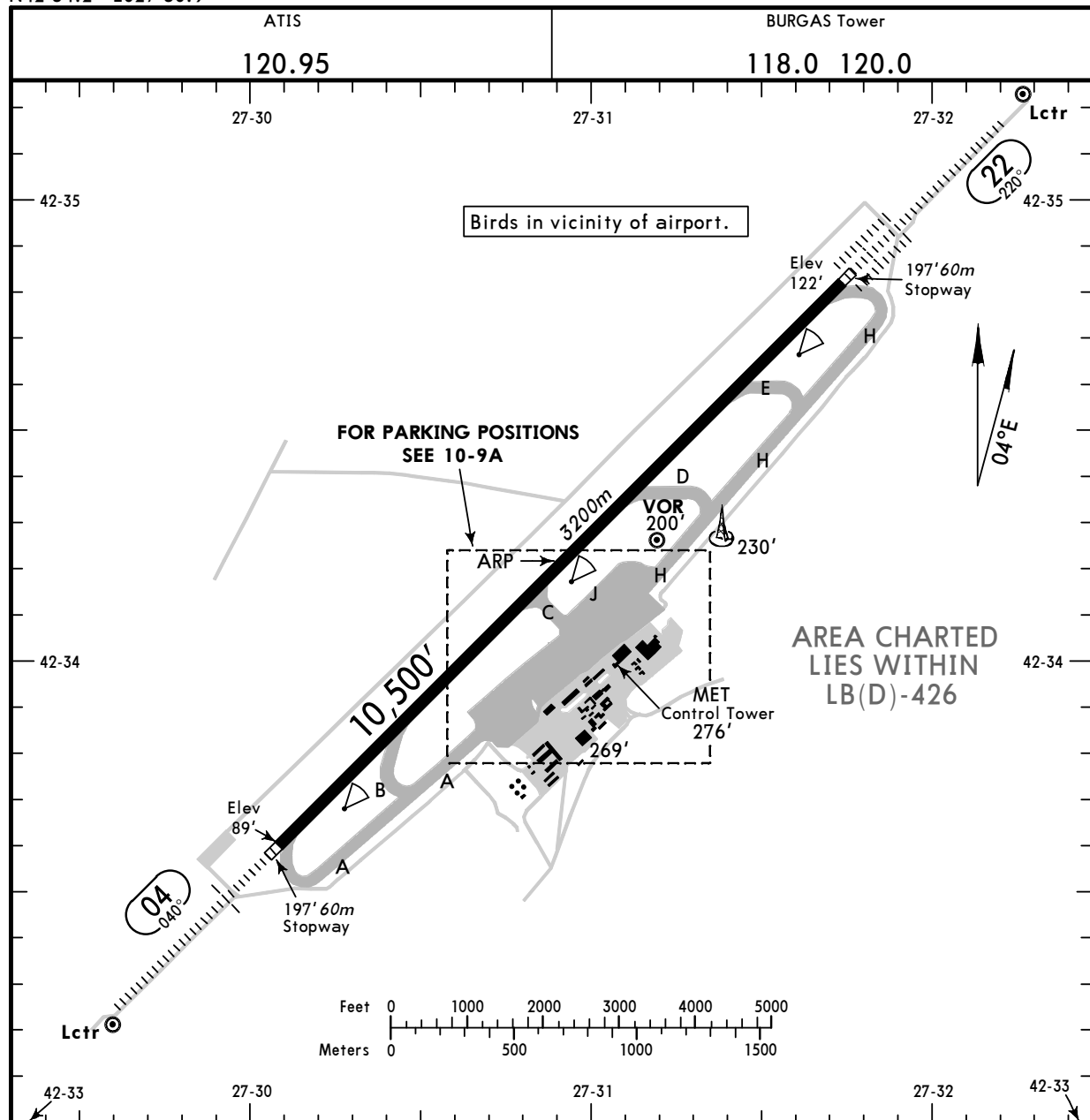
Exceptions from the procedures mentioned above are permitted in following cases:

- governmental flights,
- search and rescue flights,
- ambulance flights,
- rescue flights at distress,
- check flights of the police,
- emergency landings and landings of aircraft using the airport as alternate.

LBBG/BOJ
Apt Elev **135'**
N42 34.2 E027 30.9

JEPPesen
23 APR 10 **(10-9)** Eff 6 May

BURGAS, BULGARIA
BURGAS



ADDITIONAL RUNWAY INFORMATION

		USABLE LENGTHS		TAKE-OFF	WIDTH
		LANDING BEYOND			
RWY		Threshold	Glide Slope		
04	HIRL ② CL ③ ALSF-I PAPI(3.0°) HST RVR				148'
22 ①	HIRL ② CL ③ ALSF-II TDZ PAPI(3.0°) HST RVR		9528' 2904m		45m

① Acft with MTOW exceeding 5.7 tons have to commence take-off run as close as possible to the Northeastern end of runway.

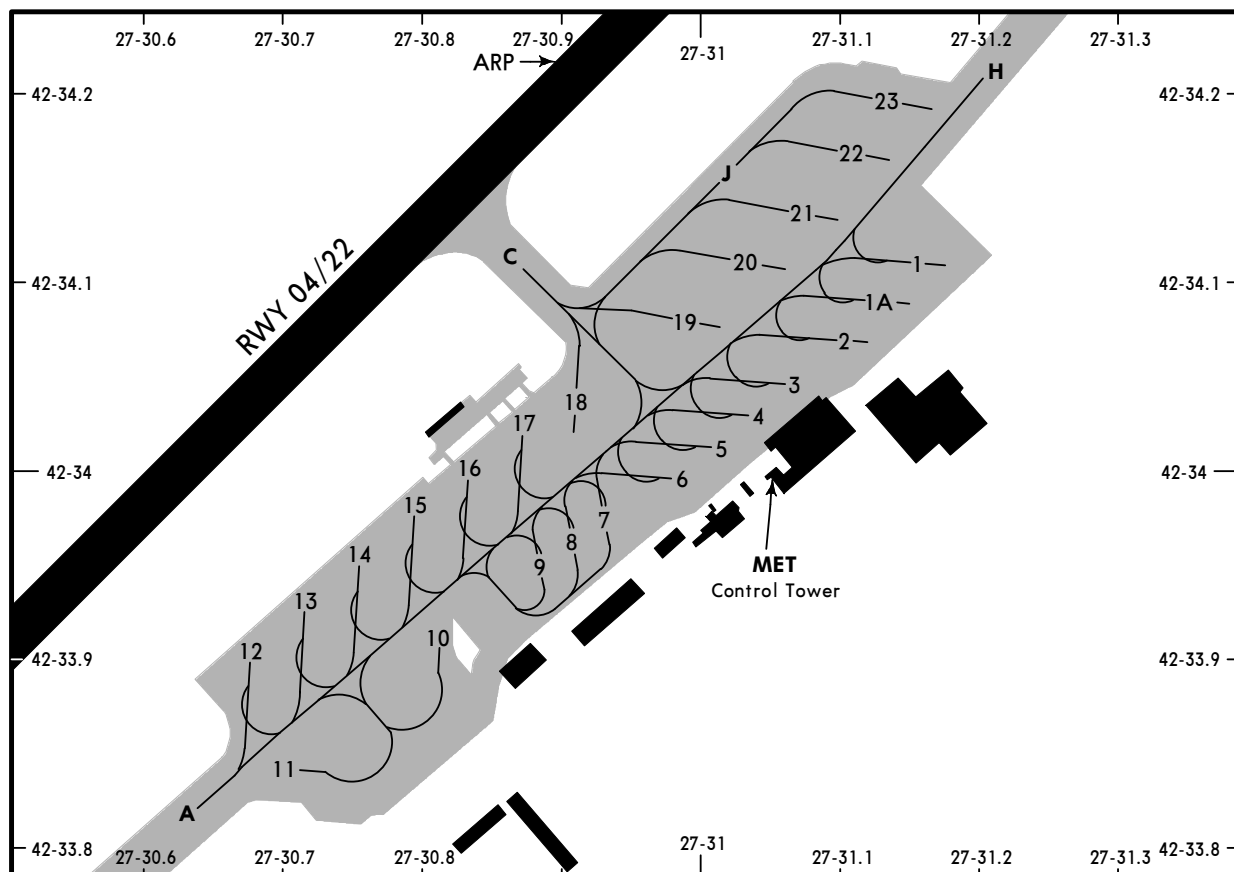
② (60m) ③ (15m)

Standard

TAKE-OFF ①

LVP must be in force				
	RL, CL & mult. RVR req	RL & CL	RCLM & RL	RCLM & RL
A			250m	400m
B	150m	200m	300m	500m
C			400m	600m
D	200m	250m	400m	600m

① Operators applying U.S. Ops Specs: CL required below 300m.

LBBG/BOJ**JEPPESEN**
23 APR 10 **(10-9A)** Eff 6 May**BURGAS, BULGARIA**
BURGAS**INS COORDINATES**

STAND No.	COORDINATES	STAND No.	COORDINATES
1, 1A	N42 34.1 E027 31.2	15, 16	N42 34.0 E027 30.8
2	N42 34.1 E027 31.1	17, 18	N42 34.0 E027 30.9
3, 4	N42 34.0 E027 31.1	19	N42 34.1 E027 31.0
5, 6	N42 34.0 E027 31.0	20, 21	N42 34.1 E027 31.1
7	N42 34.0 E027 30.9	22	N42 34.2 E027 31.1
8, 9	N42 33.9 E027 30.9	23	N42 34.2 E027 31.2
10	N42 33.9 E027 30.8		
11	N42 33.8 E027 30.7		
12, 13	N42 33.9 E027 30.7		
14	N42 33.9 E027 30.8		

Push back is obligatory for stands 3 thru 6, 13, 15 and 17.

Push back is obligatory for stands 12, 14 and 16, when right neighbour stand is occupied.

Push back is obligatory for stands 1A and 2, when left neighbour stand is occupied.

LBBG/BOJ**JEPPESEN**
23 APR 10 **10-9X** Eff 6 May**JAA MINIMUMS**
BURGAS, BULGARIA
BURGAS

STRAIGHT-IN RWY		A	B	C	D
04	VOR	440' (351')	440' (351')	440' (351')	440' (351')
	with D3.6	1600m	1600m	1600m	2000m
	ALS out	2400m	2400m	2400m	2800m
	VOR	600' (511')	600' (511')	600' (511')	600' (511')
	w/o D3.6	1600m	1600m	1600m	2000m
	ALS out	2400m	2400m	2400m	2800m
22	ILS	322' (200')	322' (200')	322' (200')	332' (210')
		R550m V800m	R550m V800m	R550m V800m	R600m V850m
	ALS out	1200m	1200m	1200m	1250m
	LOC	420' (298')	420' (298')	420' (298')	420' (298')
	with OM/D4.5 BGS	800m	800m	800m	1200m
	ALS out	1600m	1600m	1600m	1800m
	LOC	570' (448')	570' (448')	570' (448')	570' (448')
	w/o OM/D4.5 BGS	900m	1000m	1000m	1400m
	ALS out	1600m	1600m	1800m	2000m
	VOR	460' (338')	460' (338')	460' (338')	460' (338')
	with D2.8	1600m	1600m	1600m	2000m
	ALS out	2400m	2400m	2400m	2800m
	VOR	600' (478')	600' (478')	600' (478')	600' (478')
	w/o D2.8	1600m	1600m	1600m	2000m
	ALS out	2400m	2400m	2400m	2800m

CIRCLE-TO-LAND	100 KT	135 KT	180 KT	205 KT
	650' (515')	800' (665')	1200' (1065')	1300' (1165')
	V1600m ❶	V1600m ❶	V5000m	V5000m

❶ After VOR 04/22: V2400m.

TAKE-OFF RWY 04, 22

LVP must be in Force				
RL, CL & mult. RVR req	RL & CL	RCLM & RL	RCLM & RL	RL
A		250m	400m	400m
B	150m	200m		500m
C		300m		
D	200m	250m		600m

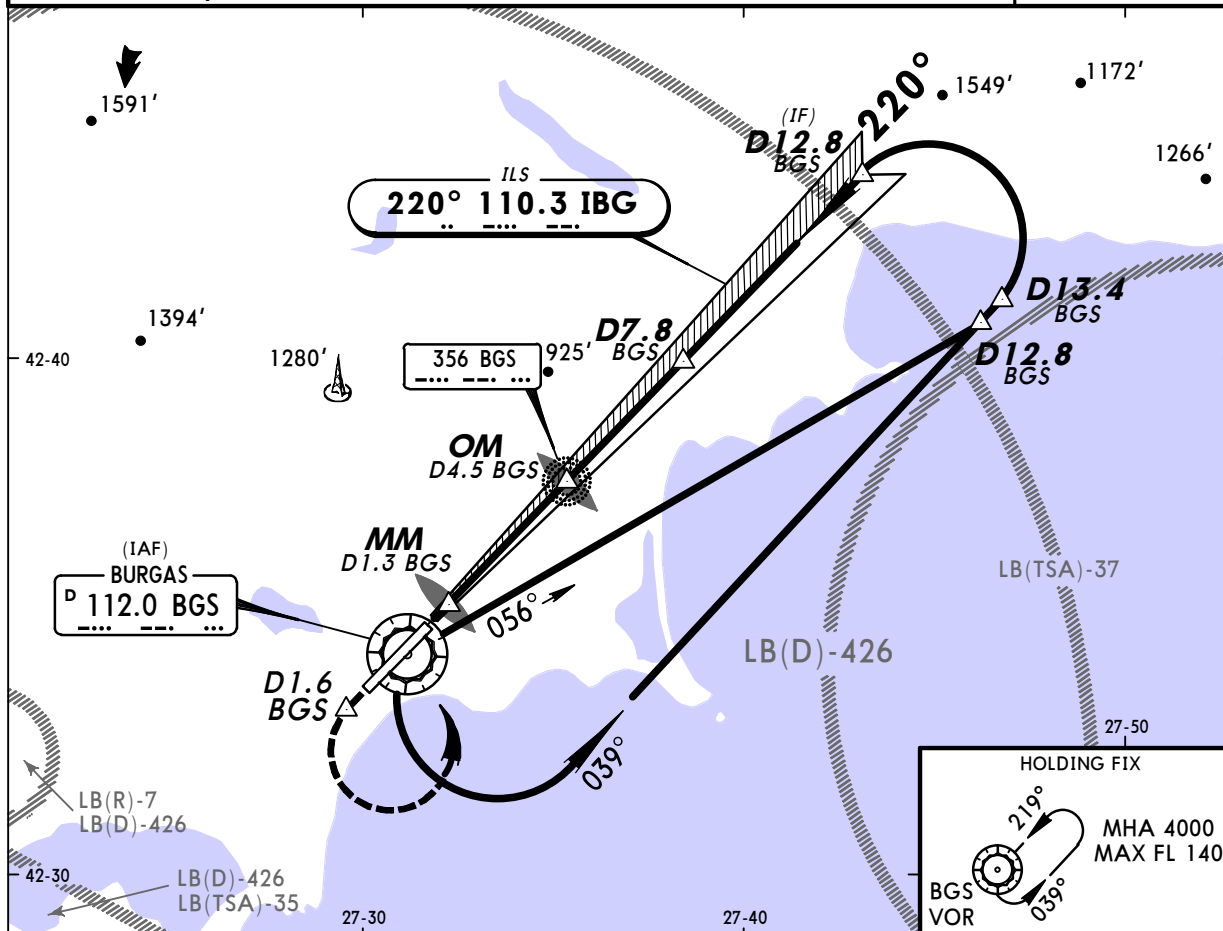
LBBG/BOJ
BURGAS

JEPPesen
10 SEP 10 **(11-1)** Eff 23 Sep

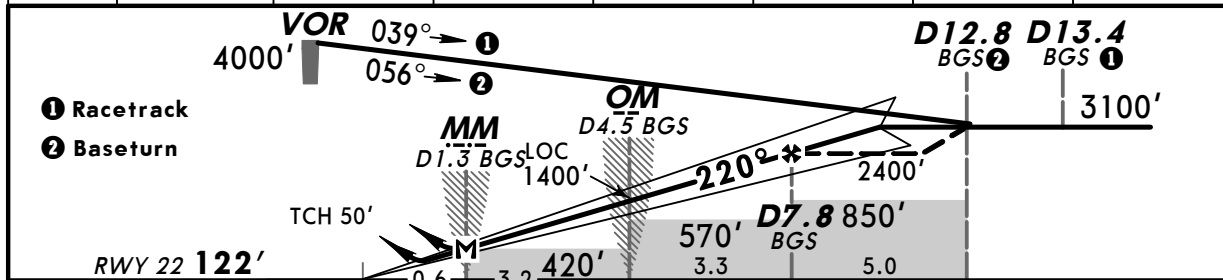
BURGAS, BULGARIA
ILS or LOC Rwy 22

BRIEFING STRIP

ATIS 120.95		BURGAS Approach (R) 125.1 119.65		BURGAS Tower 118.0 120.0	
LOC IBG 110.3	Final Apch Crs 220°	GS No Alt published	ILS DA(H) Refer to Minimums	Apt Elev 135' RWY 122'	4000' MSA BGS VOR
MISSED APCH: Climb STRAIGHT AHEAD to D1.6 BGS, then turn LEFT to VOR climbing to 4000'.					
Alt Set: hPa		Rwy Elev: 4 hPa	Trans level: By ATC	Trans alt: 12000'	
1. LOC: DME required. 2. Racetrack restricted to MAX 230 KT.					



LOC (GS out)	BGS DME	2.0	3.0	4.0	5.0	6.0	7.0
	ALTITUDE	590'	910'	1230'	1550'	1860'	2180'



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II PAPI PAPI 	D1.6 BGS
ILS GS or LOC Descent angle 3.00°	377	484	538	646	753	861		
MAP at MM/ D1.3 BGS								

Standard				STRAIGHT-IN LANDING RWY 22				CIRCLE-TO-LAND			
ILS				LOC (GS out)							
DA(H) ABC: 322' (200') D: 332' (210')				with OM/D4.5 BGS MDA(H) 420' (298')				w/o OM/D4.5 BGS MDA(H) 570' (448')			
FULL				Limited				ALS out			
A											
B	RVR 550m VIS 800m	RVR 750m VIS 800m	1200m	800m				1600m			
C					1600m	1400m					
D	RVR 600m VIS 850m	RVR 750m VIS 850m	1250m	1200m				2100m			

CHANGES: U Lctr & B Lctr withdrawn.

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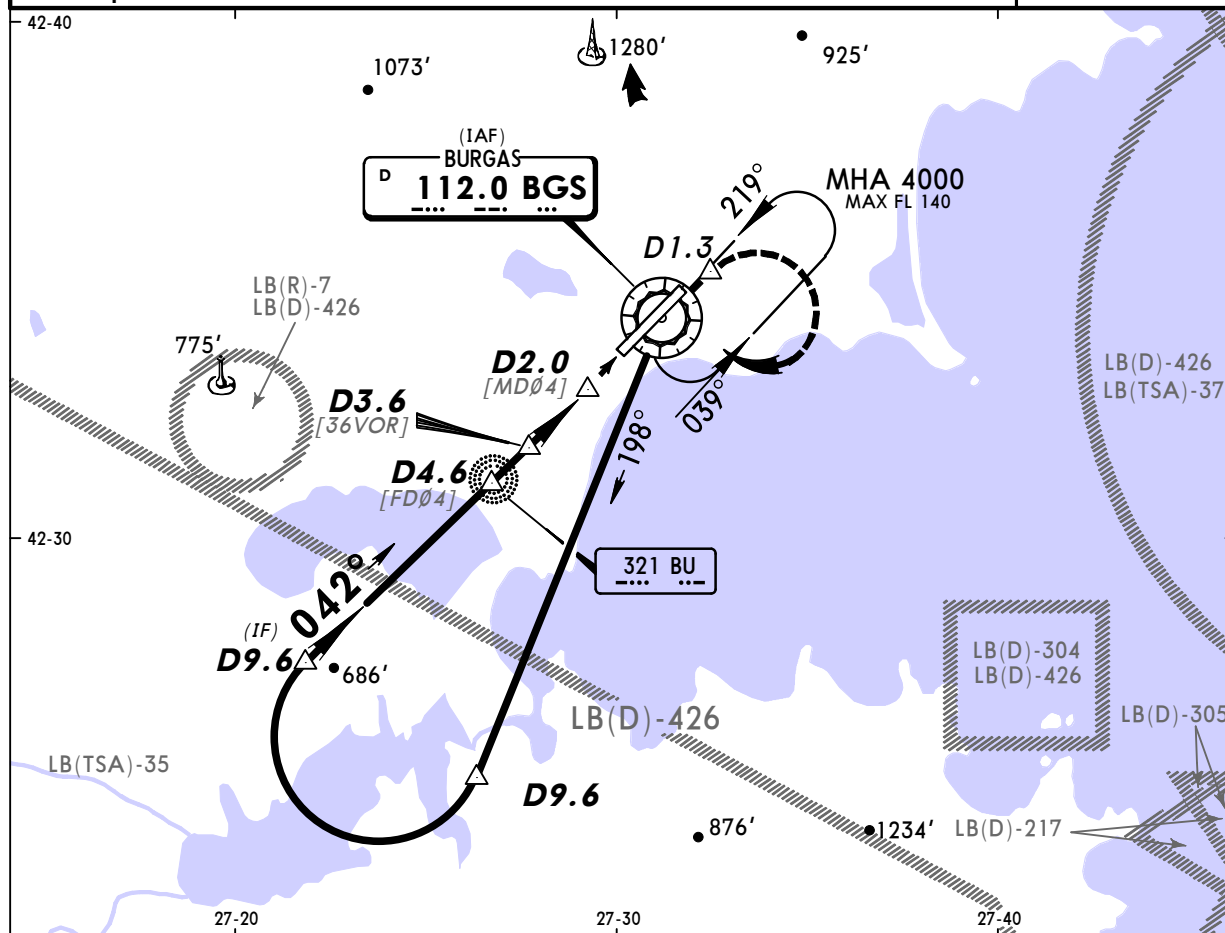
LBBG/BOJ
BURGAS

JEPPesen
10 SEP 10 **(13-1)** Eff 23 Sep

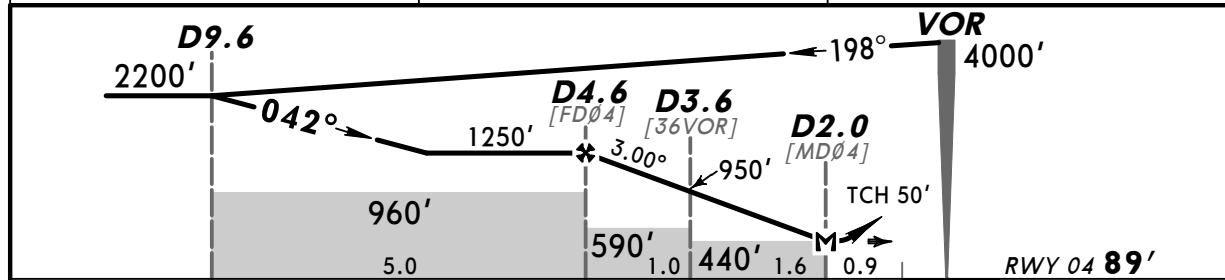
BURGAS, BULGARIA
VOR Rwy 04

BRIEFING STRIP

ATIS 120.95		BURGAS Approach (R) 125.1 119.65		BURGAS Tower 118.0 120.0	
VOR BGS 112.0	Final Apch Crs 042°	Procedure Alt D4.6 1250' (1161')	MDA(H) (CONDITIONAL) 440' (351')	Apt Elev 135' RWY 89'	4000'
MISSED APCH: Climb STRAIGHT AHEAD to D1.3, then turn RIGHT to VOR climbing to 4000'.					
Alt Set: hPa		Rwy Elev: 3 hPa	Trans level: By ATC	Trans alt: 12000'	MSA BGS VOR



BGS DME	4.0	3.0
ALTITUDE	1080'	760'



Gnd speed-Kts	70	90	100	120	140	160	ALSIF-I PAPI PAPI D1.3 ↑	
Descent angle 3.00°	372	478	531	637	743	849		
MAP at D2.0								

Standard		STRAIGHT-IN LANDING RWY 04		CIRCLE-TO-LAND	
		with D3.6	w/o D3.6		
		MDA(H) 440' (351')	MDA(H) 600' (511')		
		ALS out	ALS out	Max Kts	MDA(H) VIS
A				100	650' (515') 2400m
B	1600m	2400m	1600m	135	800' (665') 2400m
C				180	1200' (1065') 5000m
D	2000m	2800m	2000m	205	1300' (1165') 5000m

PANS OPS

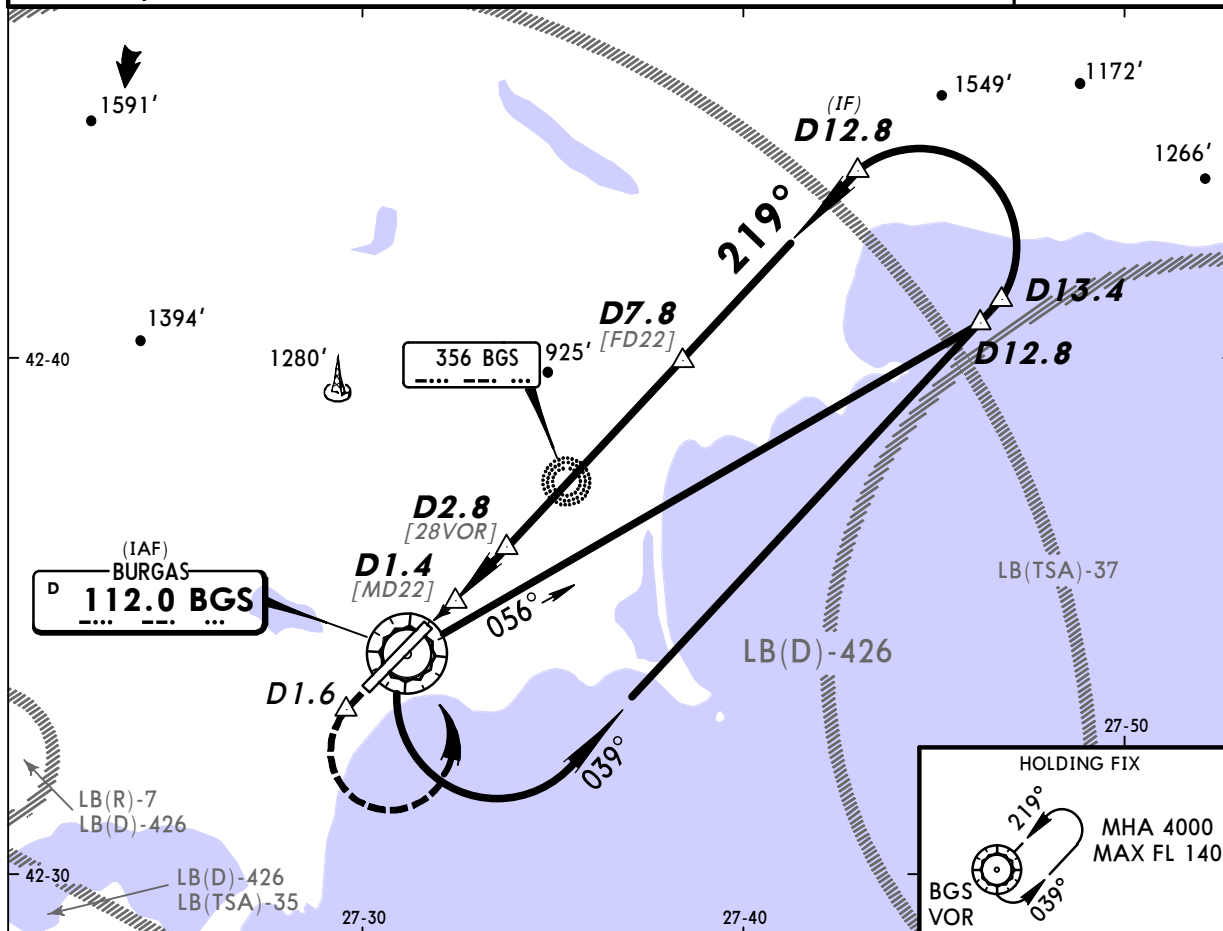
LBBG/BOJ
BURGAS

JEPPesen
10 SEP 10 **(13-2)** Eff 23 Sep

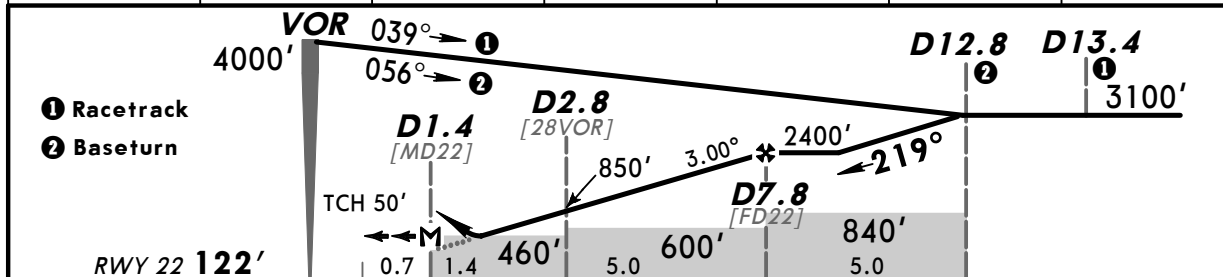
BURGAS, BULGARIA
VOR Rwy 22

BRIEFING STRIP

ATIS 120.95		BURGAS Approach (R) 125.1 119.65		BURGAS Tower 118.0 120.0	
VOR BGS 112.0	Final Apch Crs 219°	Procedure Alt D7.8 2400' (2278')	MDA(H) (CONDITIONAL) 460' (338')	Apt Elev 135' RWY 122'	4000' MSA BGS VOR
MISSED APCH: Climb STRAIGHT AHEAD to D1.6, then turn LEFT to VOR climbing to 4000'.					
Alt Set: hPa		Rwy Elev: 4 hPa	Trans level: By ATC	Trans alt: 12000'	
1. DME required.		2. Racetrack restricted to MAX 230 KT.			



BGS DME	2.0	3.0	4.0	5.0	6.0	7.0
ALTITUDE	590'	910'	1230'	1550'	1860'	2180'



<i>Gnd speed-Kts</i>	70	90	100	120	140	160
<i>Descent angle 3.00°</i>	372	478	531	637	743	849
<i>MAP at D1.4</i>						

Standard				CIRCLE-TO-LAND		
STRAIGHT-IN LANDING RWY 22		with D2.8		w/o D2.8		
		MDA(H) 460' (338')		MDA(H) 600' (478')		
		ALS out		ALS out		
A	1600m	2400m	1600m	2400m	Max Kts.	MDA(H) VIS
B					100	650' (515') 2400m
C					135	800' (665') 2400m
D					180	1200' (1065') 5000m
	2000m	2800m	2000m	2800m	205	1300' (1165') 5000m

CHANGES: B & U Lctr withdrawn.

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