

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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No revision activity since Disc 26-2012

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport URRR

URRR (Rostov-Na-Donu)**General Info**

Rostov-Na-Donu, RUS

N 47° 15.5' E 39° 49.1' Mag Var: 6.2°E

Elevation: 280'

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 04-22 8205' x 148' concrete

Runway 04 (38.0°M) TDZE 249'

Lights: Edge, ALS, Centerline, TDZ

Runway 22 (218.0°M) TDZE 280'

Lights: Edge, ALS, Centerline

Communications InfoATIS **121.7**Rostov Start Tower **124.0** SecondaryRostov Start Tower **119.7**Rostov Taxiing Ground Control **124.0** SecondaryRostov Taxiing Ground Control **119.0**Rostov Approach Control **128.2**Rostov Approach Control **127.1** SecondaryRostov Approach Control **124.0** SecondaryRostov Radar **124.0** SecondaryRostov Radar **121.2**Rostov Transit 2 Operations **131.875** Non-EnglishRostov Transit Operations **118.0** Non-English**Notebook Info**

URRR/ROV
ROSTOV-NA-DONU

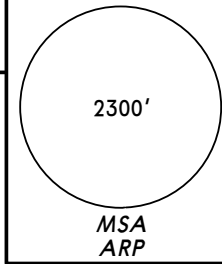
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 10-2 Eff 17 Nov STAR

ATIS
121.7

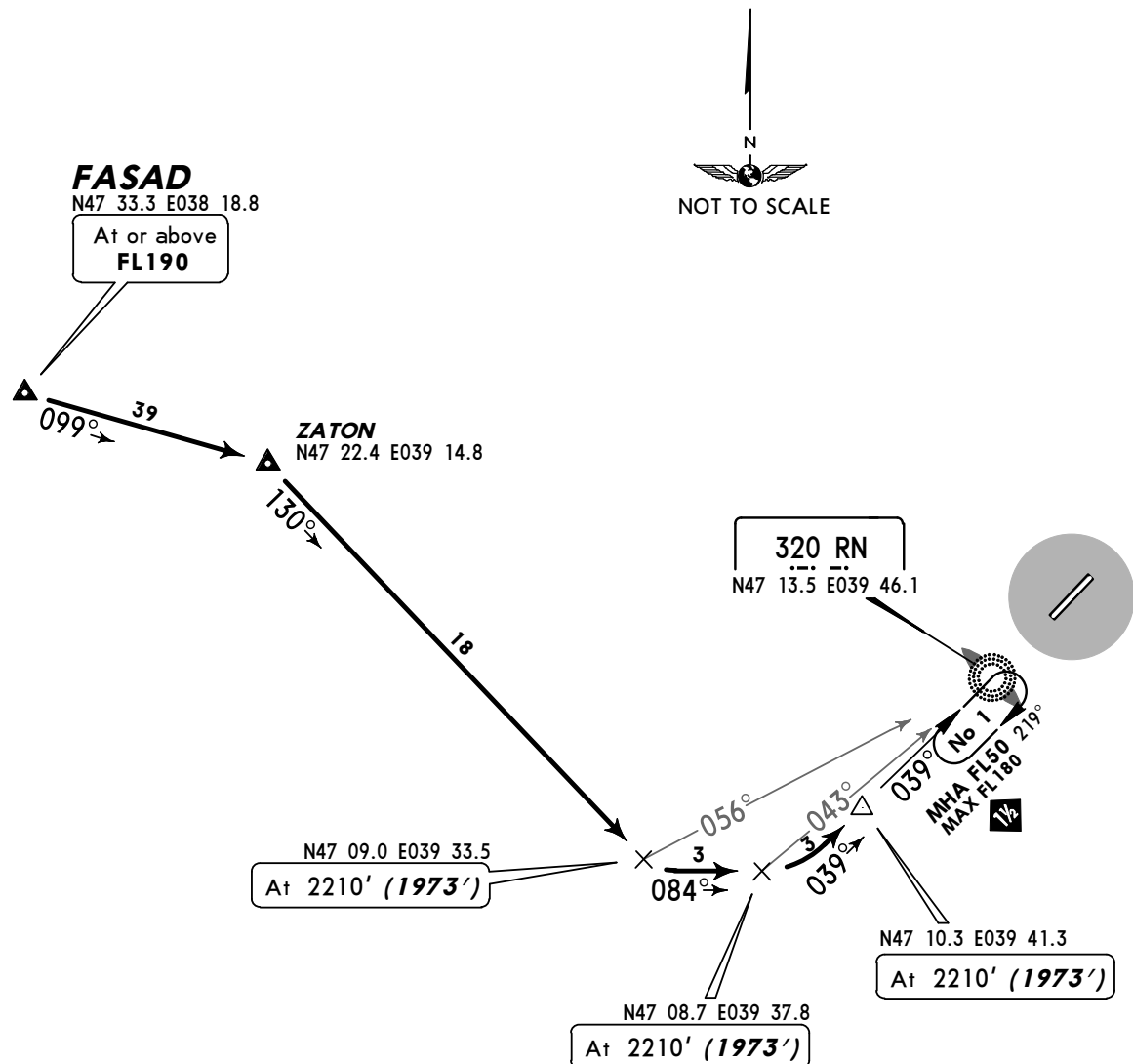
Apt Elev
280'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL50 Trans alt: 3240' (3003')

(QFE)



FASAD 04 BRAVO (FS 04B)
RWY 04 ARRIVAL
BY ATC



ALT/HEIGHT CONVERSION
QNH (QFE)
3240' (3003' - 900m)
2210' (1973' - 600m)

ROUTING

099° track to ZATON, turn RIGHT, 130° track to N47 09.0 E039 33.5, turn LEFT, 084° track to N47 08.7 E039 37.8, turn LEFT, 039° track, intercept final.

URRR/ROV
ROSTOV-NA-DONU

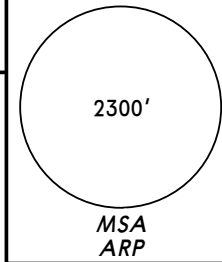
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 (10-2A) Eff 17 Nov STAR

ATIS
121.7

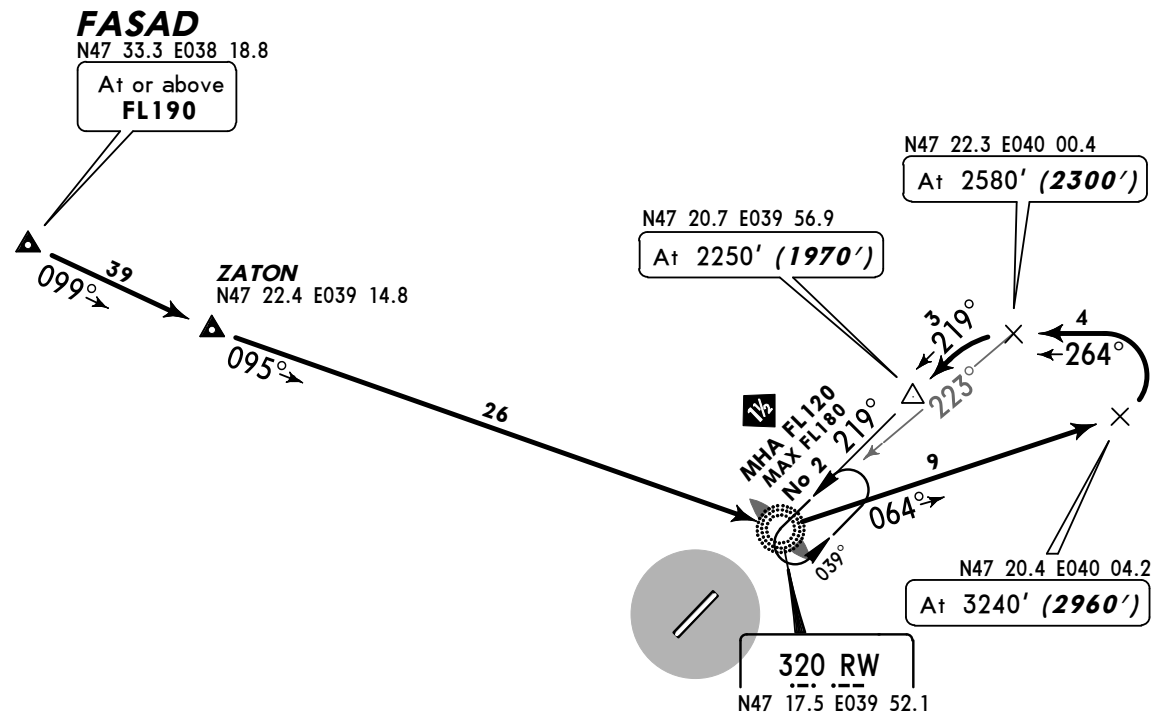
Apt Elev
280'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL50 Trans alt: 3240' (2960')

(QFE)



FASAD 22 BRAVO (FS 22B)
RWY 22 ARRIVAL
BY ATC



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3240'	(2960' - 900m)
2580'	(2300' - 700m)
2250'	(1970' - 600m)

ROUTING

099° track to ZATON, turn LEFT, intercept 095° bearing to RW, turn LEFT, 064° bearing to N47 20.4 E040 04.2, turn LEFT, 264° track to N47 22.3 E040 00.4, turn LEFT, 219° track, intercept final.

URRR/ROV
ROSTOV-NA-DONU

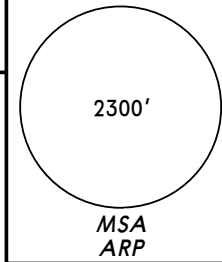
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 (10-2B) Eff 17 Nov **STAR**

ATIS
121.7

Apt Elev
280'

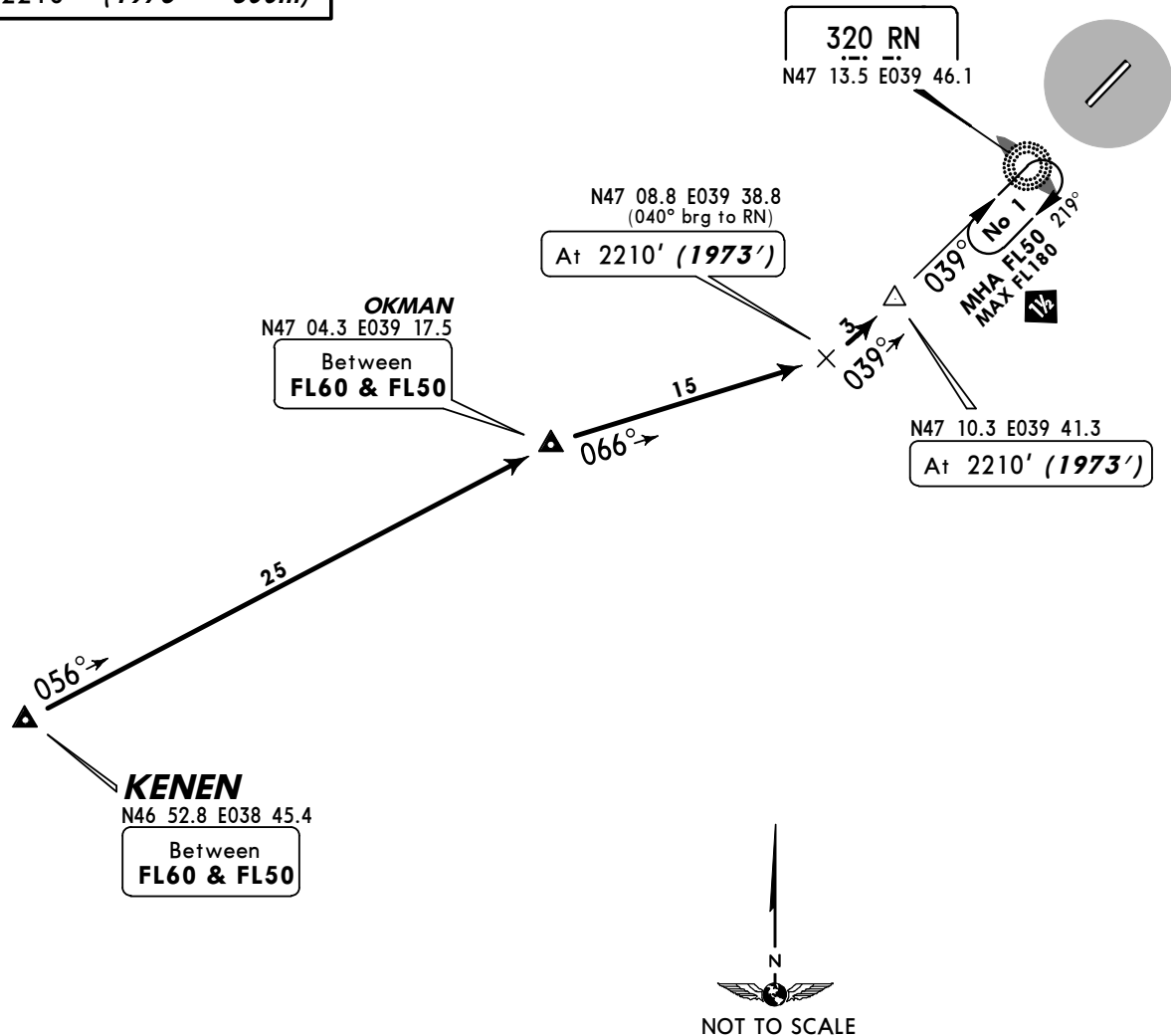
Alt Set: MM (hPa on request) QNH on request
Trans level: FL50 Trans alt: 3240' **(3003')**

(QFE)



KENEN Ø4 ALFA (KN Ø4A)
RWY 04 ARRIVAL

ALT/HEIGHT CONVERSION
QNH (QFE)
3240' (**3003' - 900m**)
2210' (**1973' - 600m**)



ROUTING

056° track to OKMAN, turn RIGHT, 066° track to N47 08.8 E039 38.8, turn LEFT, 039° track, intercept final.

URRR/ROV
ROSTOV-NA-DONU

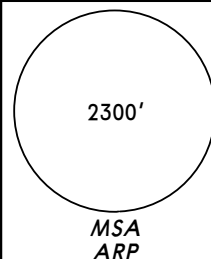
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 10-2C Eff 17 Nov STAR

ATIS
121.7

Apt Elev
280'

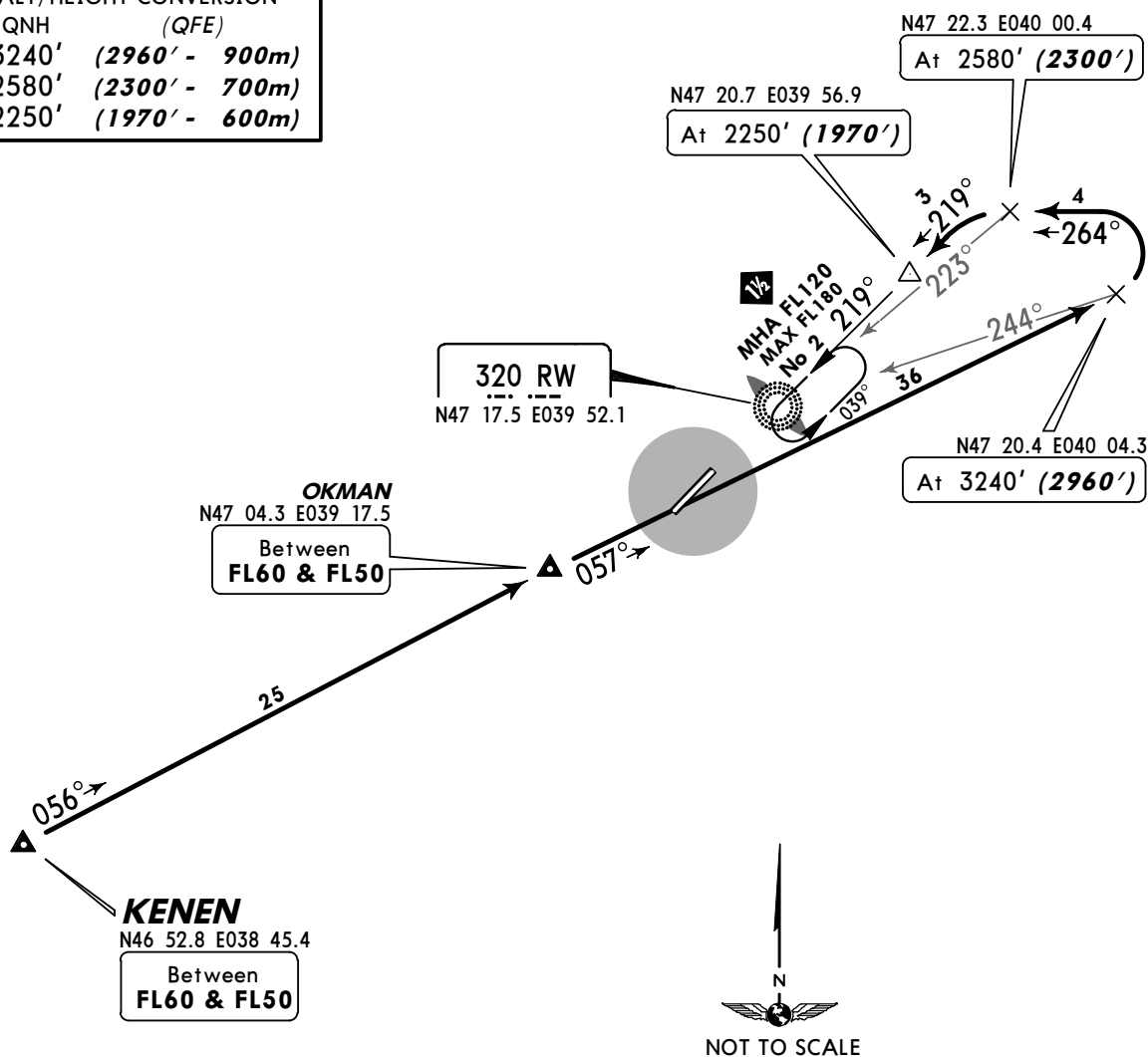
Alt Set: MM (hPa on request) QNH on request
Trans level: FL50 Trans alt: 3240' (2960')

(QFE)



KENEN 22 ALFA (KN 22A)
RWY 22 ARRIVAL

ALT/HEIGHT CONVERSION	
QNH	(QFE)
3240'	(2960' - 900m)
2580'	(2300' - 700m)
2250'	(1970' - 600m)

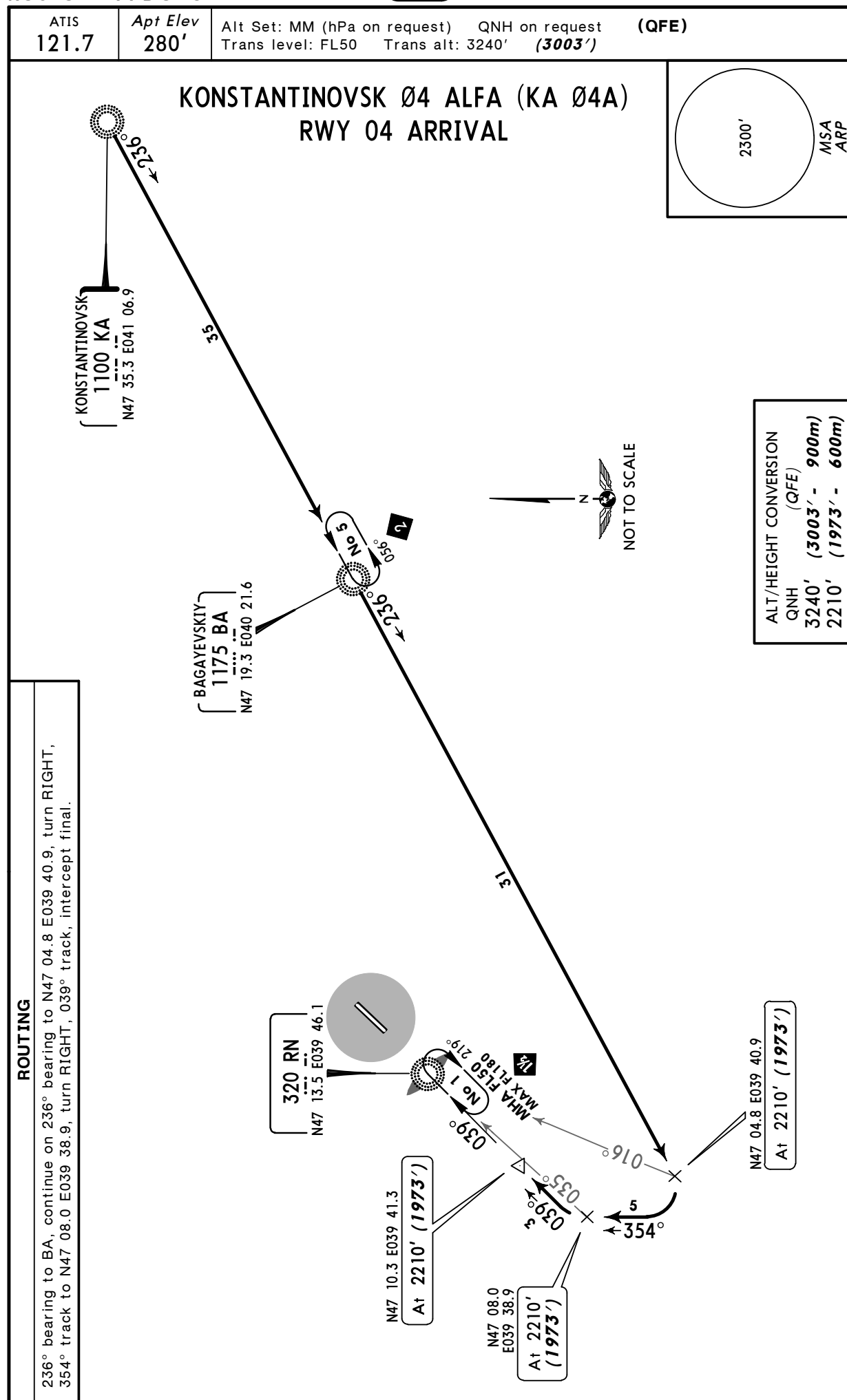


ROUTING

056° track to OKMAN, turn RIGHT, 057° track to N47 20.4 E040 04.3, turn LEFT, 264° track to N47 22.3 E040 00.4, turn LEFT, 219° track, intercept final.

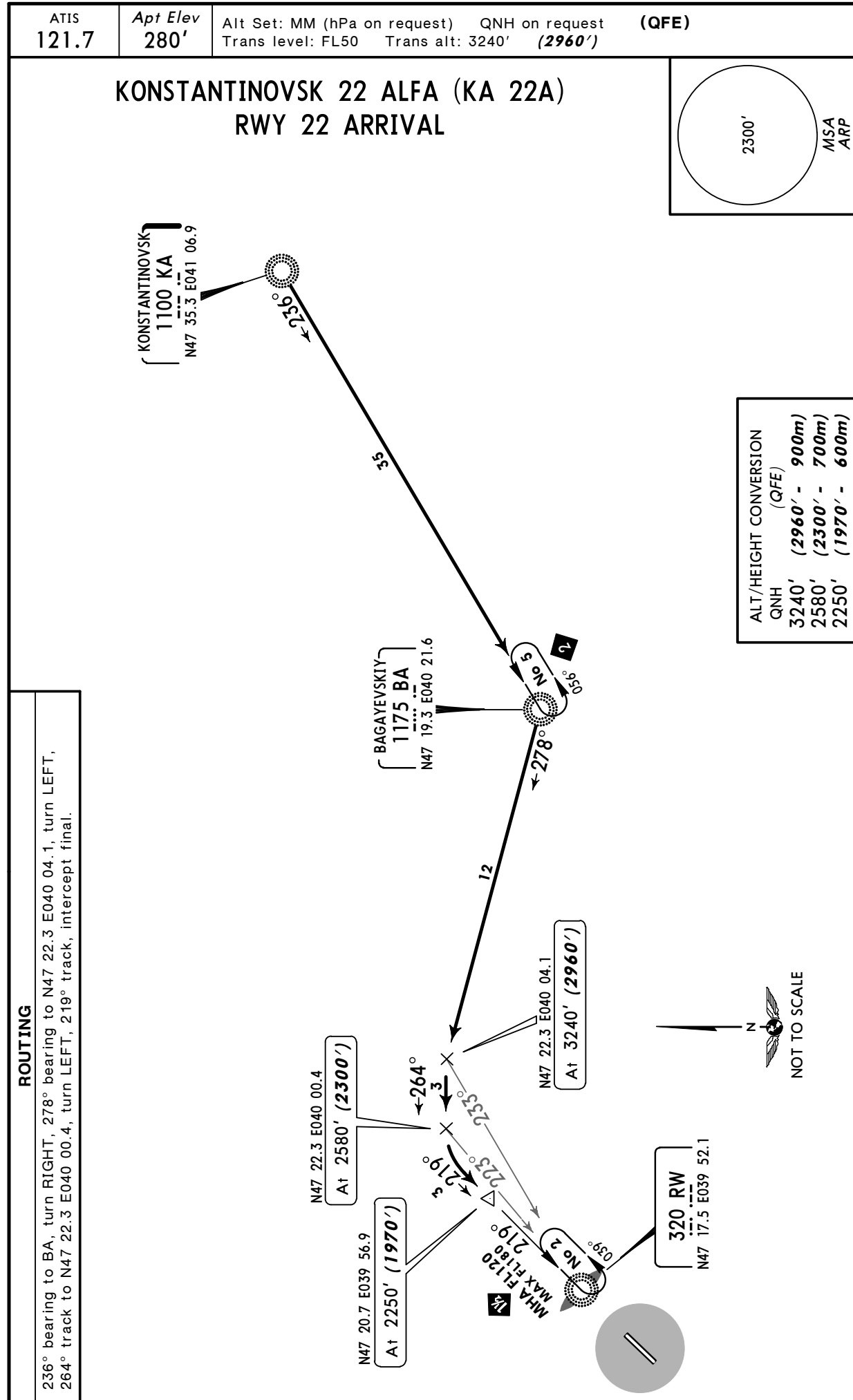
URRR/ROV
 ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
 4 NOV 11 10-2D Eff 17 Nov STAR



URRR/ROV
ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 10-2E Eff 17 Nov STAR



URRR/ROV
ROSTOV-NA-DONU

4 NOV 11

10-2F

Eff 17 Nov

STAR

ATIS
121.7Apt Elev
280'Alt Set: MM (hPa on request) QNH on request
Trans level: FL50 Trans alt: 3240' (3003')

(QFE)

LATRI 04 ALFA (LT 04A)
LATRI 04 BRAVO (LT 04B)
RWY 04 ARRIVALSLATRI
N48 09.0 E040 03.0
At or above
FL80

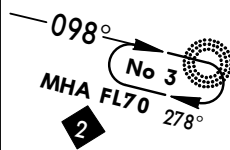
2300'

MSA
ARP

HOLDINGS OVER

SB

RN



ALT/HEIGHT CONVERSION
QNH (QFE)
3240' (3003' - 900m)
2210' (1973' - 600m)



N47 09.9 E039 33.1
At 3240' (3003')

N47 08.7 E039 37.8
At 2210' (1973')

320 RN
N47 13.5 E039 46.1

659 N
N47 14.7 E039 47.8
Between
FL70 & FL60

N47 10.3 E039 41.3
At 2210' (1973')

N47 08.0 E039 38.9
(035° brg to RN)
At 2210' (1973')

N47 05.3 E039 41.6
At 3240' (3003')

STAR

ROUTING

LT 04A

Intercept 196° bearing to SB, turn LEFT, 167° bearing to SLAVA, turn RIGHT, intercept 179° bearing via N47 23.7 E039 49.2 to N, turn RIGHT, 198° bearing to N47 05.3 E039 41.6, turn RIGHT, 354° track to N47 08.0 E039 38.9, turn RIGHT, 039° track, intercept final.

LT 04B

Intercept 196° bearing to SB, turn LEFT, 189° bearing to N47 09.9 E039 33.1, turn LEFT, 084° track to N47 08.7 E039 37.8, turn LEFT, 039° track, intercept final.

URRR/ROV
ROSTOV-NA-DONU

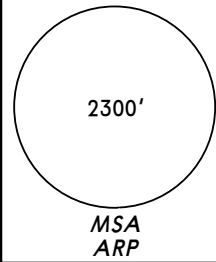
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 (10-2G) Eff 17 Nov STAR

ATIS
121.7

Apt Elev
280'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL50 Trans alt: 3240' (2960')

(QFE)



LATRI 22 ALFA (LT 22A) RWY 22 ARRIVAL

LATRI
N48 09.0 E040 03.0

At or above
FL80

KRASNY SULIN
486 KL
N47 53.1 E040 06.0

At or above
FL80

BEREG
N47 34.4 E040 02.0

At or above
FL60

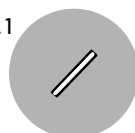
N47 20.7 E039 56.9

At 2250' (1970')

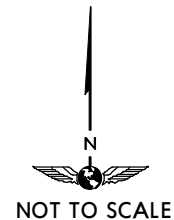
N47 22.8 E039 59.3

At 2250' (1970')

320 RW
N47 17.5 E039 52.1



MHA FL120
MAX FL180
No 2
039°



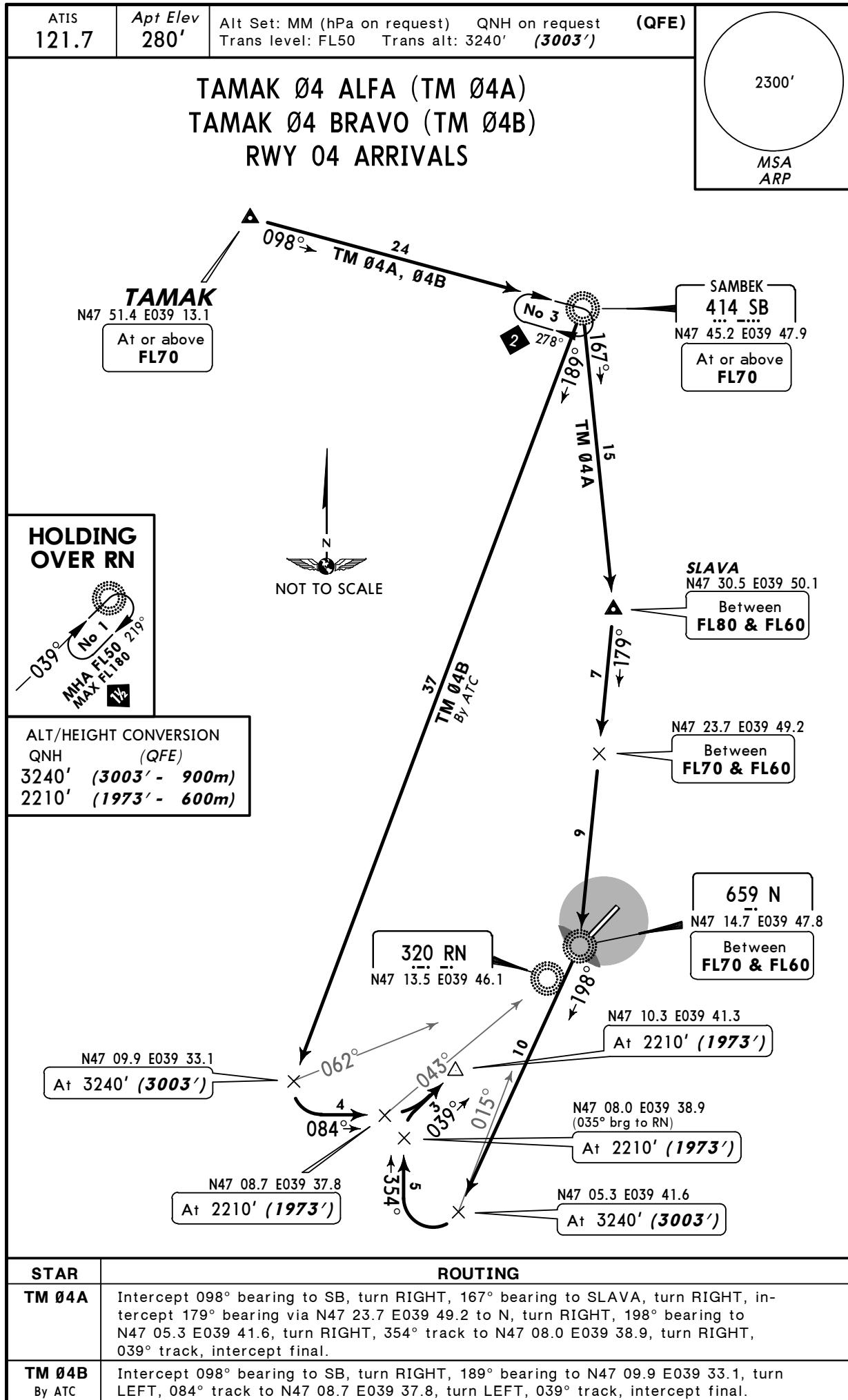
ALT/HEIGHT CONVERSION	
QNH	(QFE)
3240'	(2960' - 900m)
2250'	(1970' - 600m)

ROUTING

Intercept 166° bearing to KL, turn RIGHT, 182° bearing via BEREG to N47 22.8 E039 59.3, turn RIGHT, 219° track, intercept final.

URRR/ROV
ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 (10-2H) Eff 17 Nov STAR



URRR/ROV
ROSTOV-NA-DONU

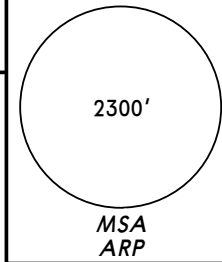
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 (10-2J) Eff 17 Nov STAR

ATIS
121.7

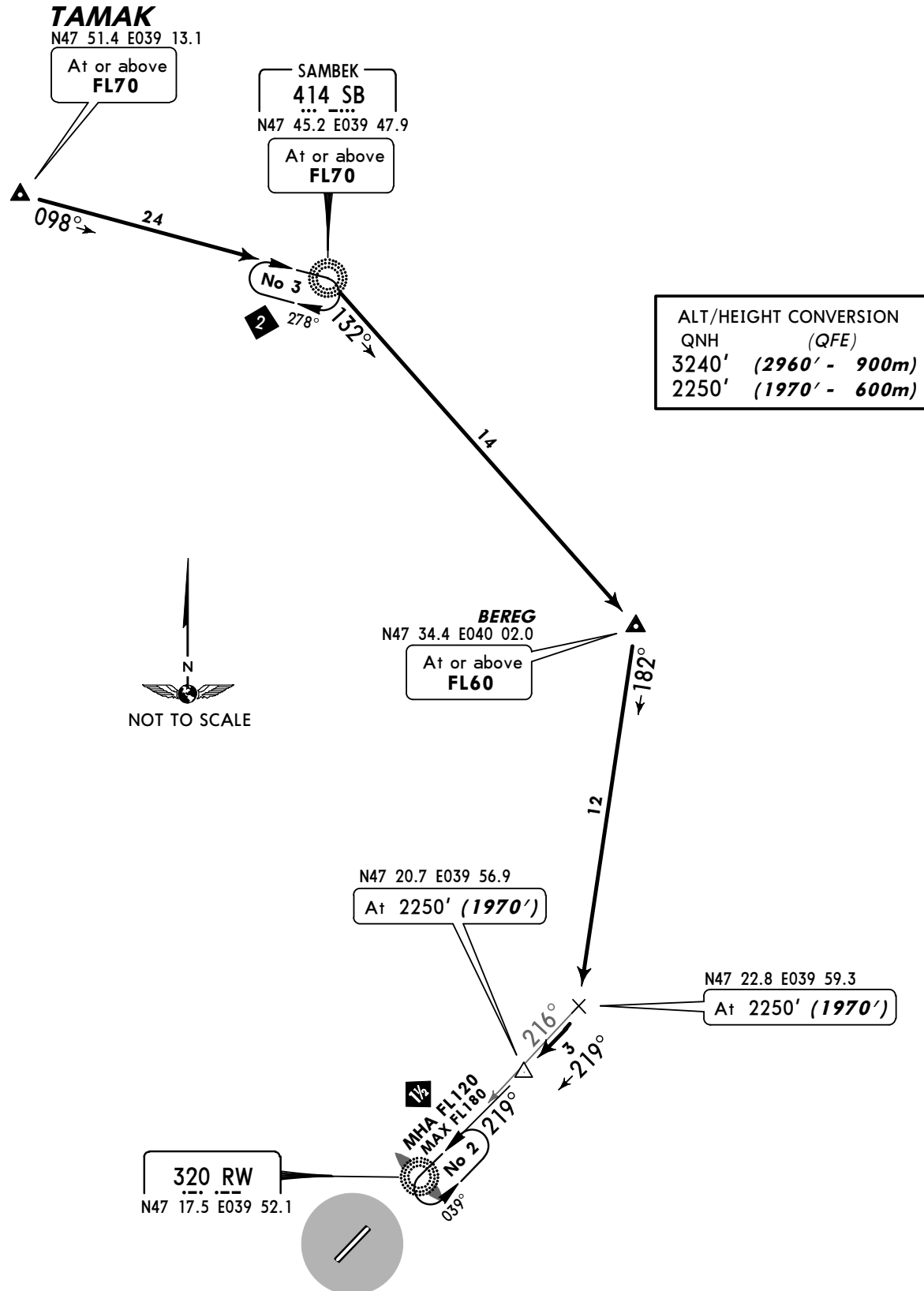
Apt Elev
280'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL50 Trans alt: 3240' (2960')

(QFE)



TAMAK 22 ALFA (TM 22A) RWY 22 ARRIVAL



URRR/ROV
ROSTOV-NA-DONU

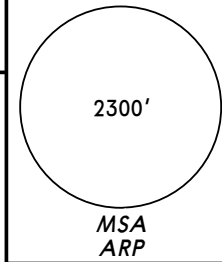
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 10-2K Eff 17 Nov STAR

ATIS
121.7

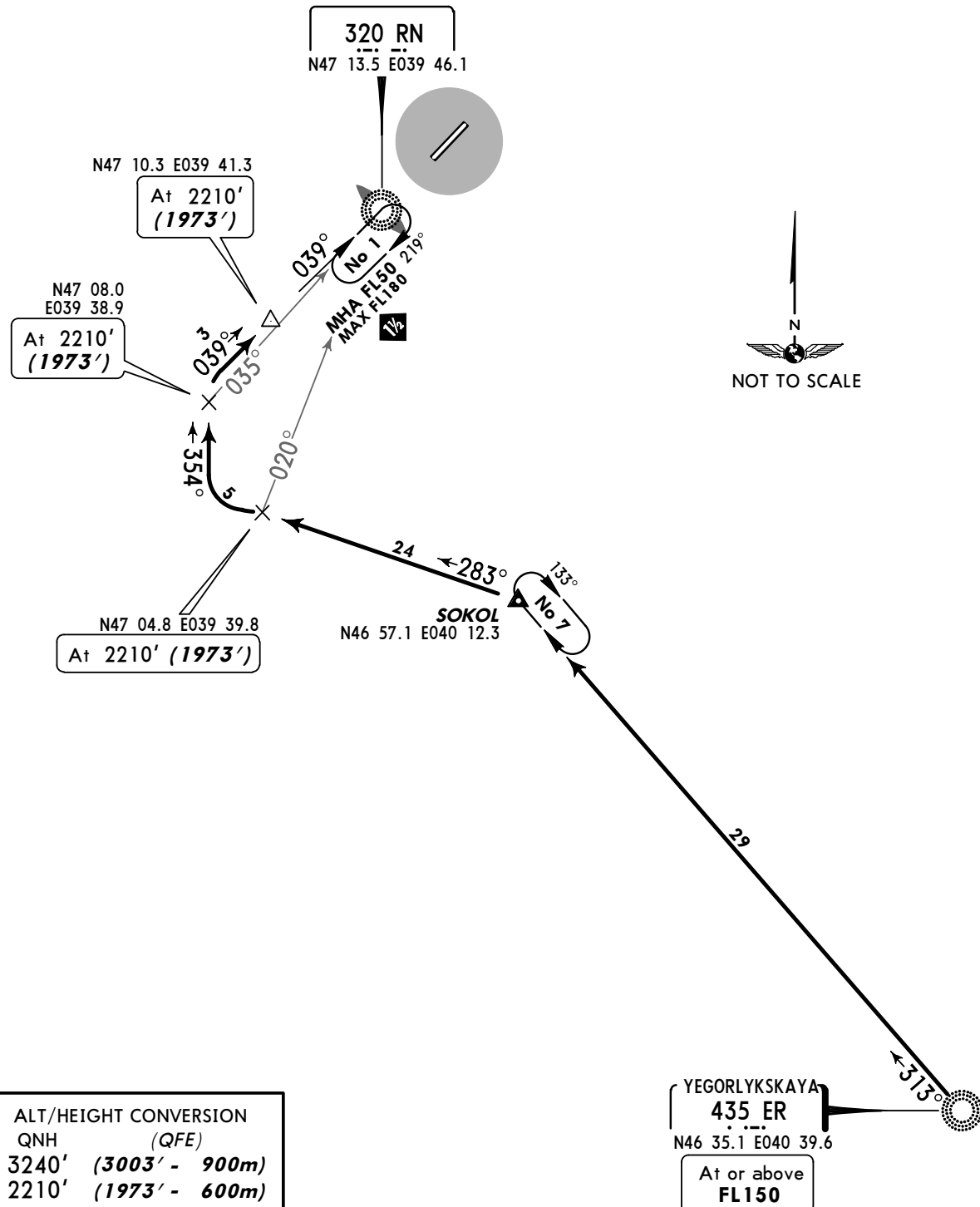
Apt Elev
280'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL50 Trans alt: 3240' (3003')

(QFE)



YEGORLYK Ø4 ALFA (ER Ø4A) RWY 04 ARRIVAL



ROUTING

313° bearing to SOKOL, turn LEFT, 283° track to N47 04.8 E039 39.8, turn RIGHT, 354° track to N47 08.0 E039 38.9, turn RIGHT, 039° track, intercept final.

URRR/ROV
ROSTOV-NA-DONU

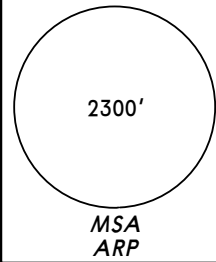
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 10-2L Eff 17 Nov STAR

ATIS
121.7

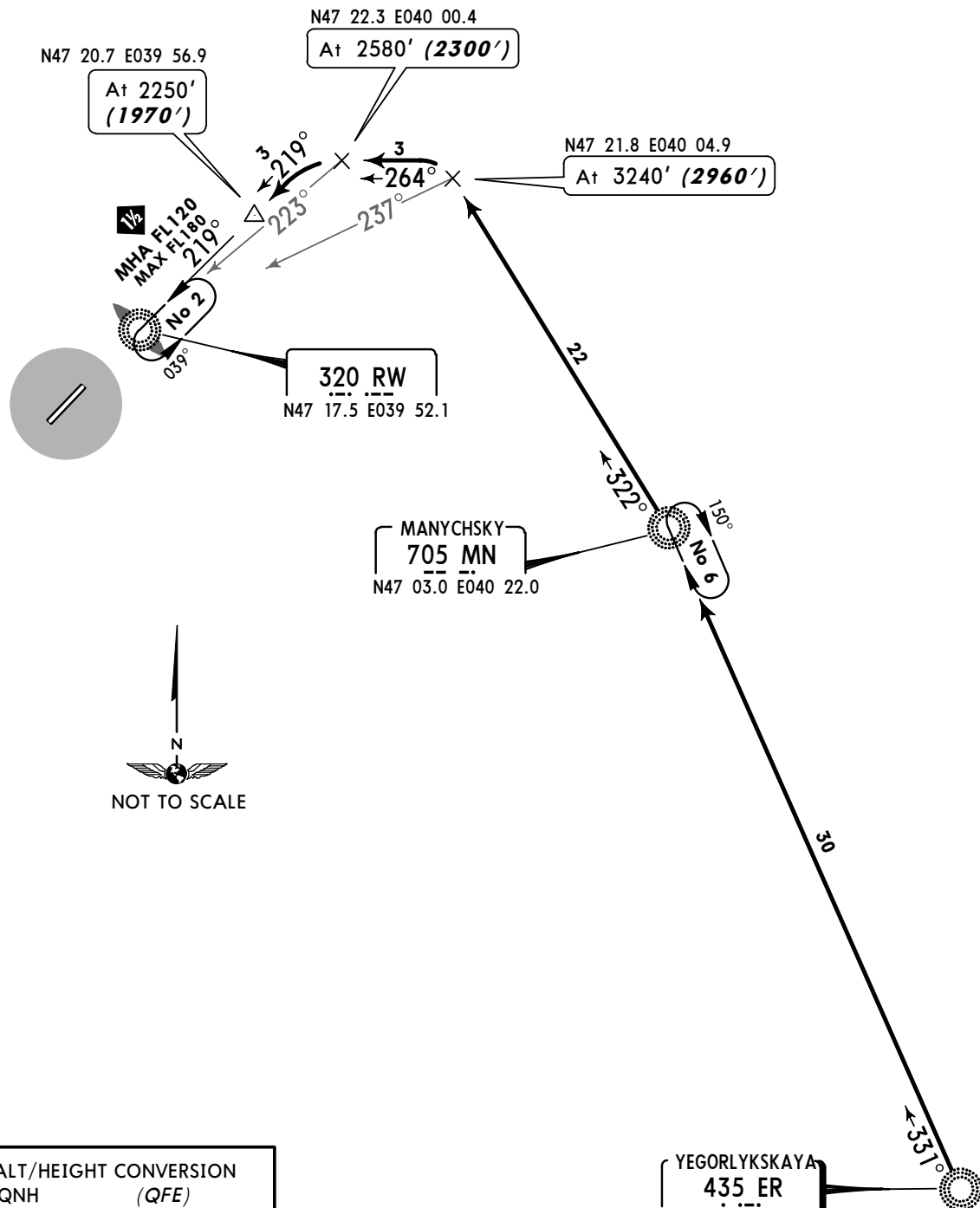
Apt Elev
280'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL50 Trans alt: 3240' (2960')

(QFE)



YEGORLYK 22 ALFA (ER 22A) RWY 22 ARRIVAL



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3240'	(2960' - 900m)
2580'	(2300' - 700m)
2250'	(1970' - 600m)

YEGORLYKSKAYA
435 ER
N46 35.1 E040 39.6
At or above
FL150

ROUTING

331° bearing to MN, turn LEFT, 322° bearing to N47 21.8 E040 04.9, turn LEFT, 264° track to N47 22.3 E040 00.4, turn LEFT, 219° track, intercept final.

URRR/ROV
ROSTOV-NA-DONU

15 JUN 12

(10-2M)

Eff 28 Jun

STAR

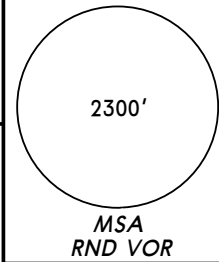


JEPPESEN ROSTOV-NA-DONU, RUSSIA

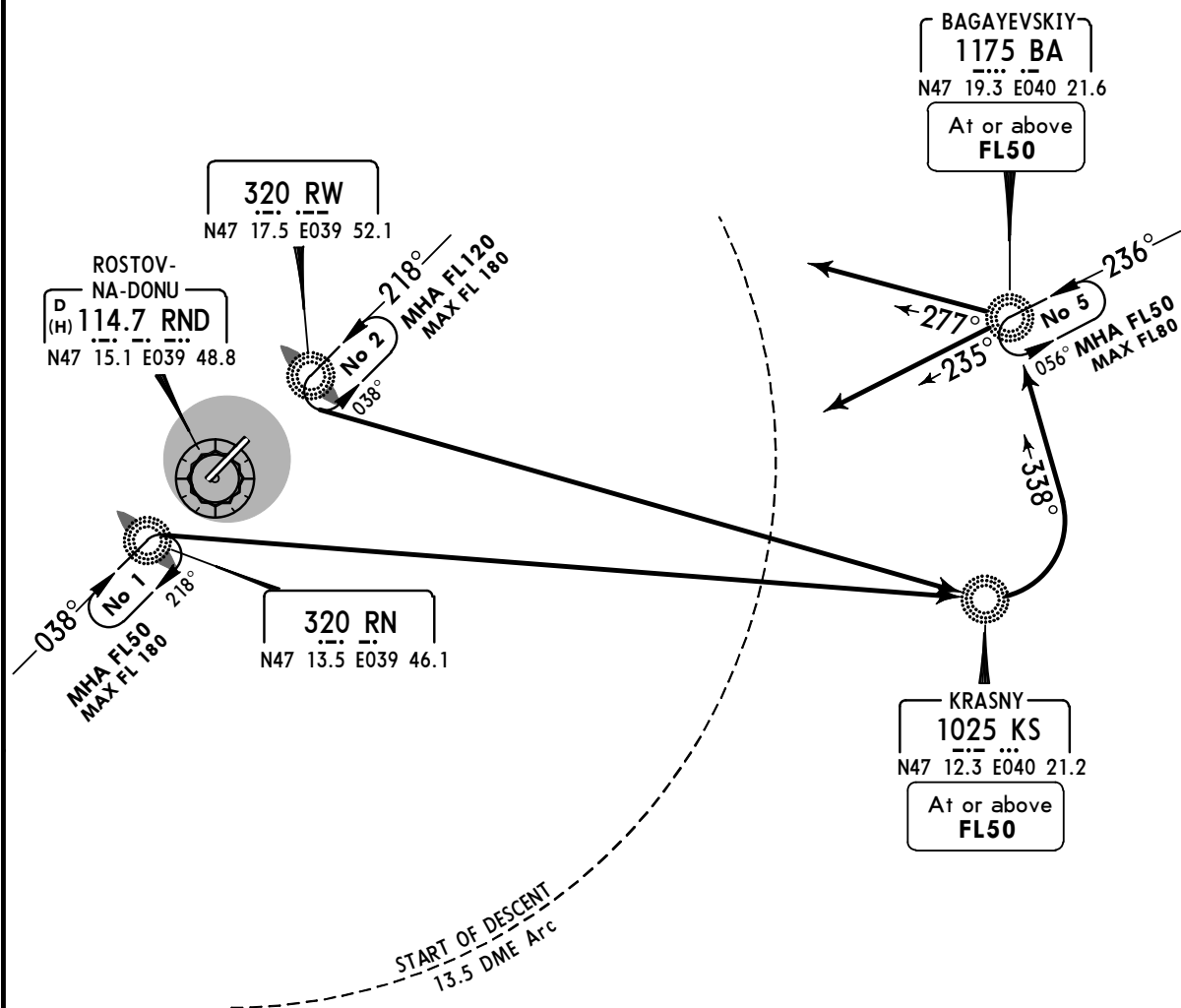
ATIS
121.7

Apt Elev
280'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL50 Trans alt: 3240' (2960')
Approach from BA is carried out in accordance with
the established pattern.



OUT-OF-TURN EXIT FROM HOLDING PATTERN TO APPROACH RWYS 04, 22



ALT/HEIGHT CONVERSION
QNH (QFE)
3240' (2960' - 900m)

URRR/ROV ROSTOV-NA-DONU

15 JUN 12

10-3

Eff 28 Jun

SID

ROSTOV
Radar
121.2

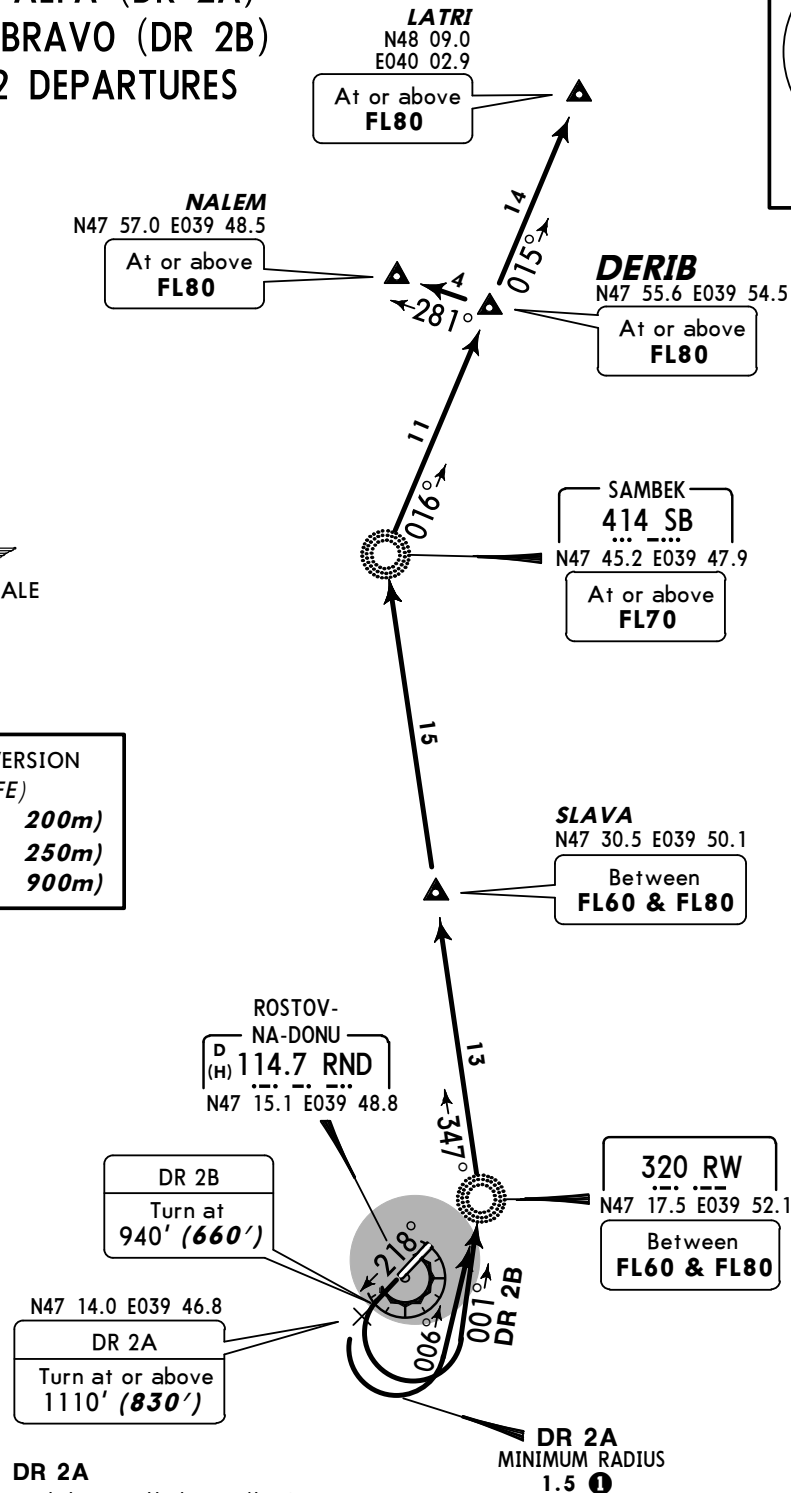
Apt Elev
280'

QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (2960')
1. Aircraft should take-off with noise abatement procedures according to Flight Manual. 2. Immediately after take-off contact ROSTOV Radar.
3. Crossings at AWY entry points by ATC.

DERIB 2 ALFA (DR 2A)
DERIB 2 BRAVO (DR 2B)
RWY 22 DEPARTURES



ALT/HEIGHT CONVERSION	
QNH	(QFE)
940'	(660' - 200m)
1110'	(830' - 250m)
3240'	(2960' - 900m)



DR 2A

This SID requires a minimum climb gradient of 7.9% until passing RW. If unable to comply, inform ATC before take-off, DR 2D will be assigned.

Gnd speed-KT	75	100	150	200	250	300
7.9% V/V(fpm)	600	800	1200	1600	2000	2400

KT	108	135	162	189	216
Bank-DEG	07	11	15	20	25

SID	ROUTING
DR 2A	Climb straight ahead, at or above 1110' (830') turn LEFT, intercept 006° bearing to RW, turn LEFT, 347° bearing via SLAVA to SB, turn RIGHT, 016° bearing to DERIB.
DR 2B	Climb straight ahead to 940' (660'), turn LEFT, intercept 001° bearing to RW, turn LEFT, 347° bearing via SLAVA to SB, turn RIGHT, 016° bearing to DERIB.

URRR/ROV ROSTOV-NA-DONU

15 JUN 12

(10-3A)

Eff 28 Jun

SID

ROSTOV
Radar
121.2

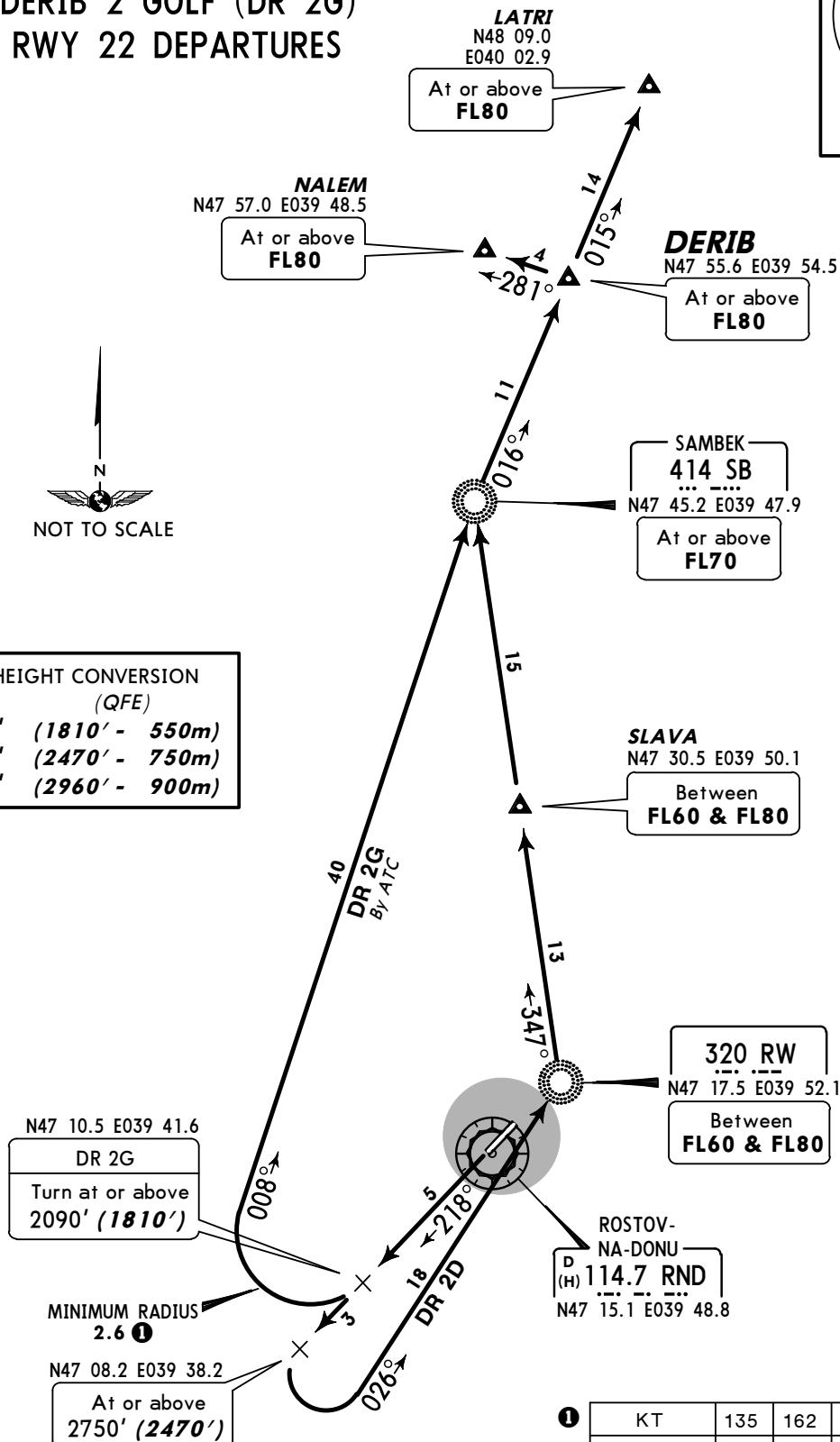
Apt Elev
280'

QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (2960')
1. Aircraft should take-off with noise abatement procedures according to Flight Manual. 2. Immediately after take-off contact ROSTOV Radar.
3. Crossings at AWY entry points by ATC.

DERIB 2 DELTA (DR 2D)
DERIB 2 GOLF (DR 2G)
RWY 22 DEPARTURES



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2090'	(1810' - 550m)
2750'	(2470' - 750m)
3240'	(2960' - 900m)



①

KT	135	162	189	216	243
Bank-DEG	06	08	11	14	18

SID	ROUTING
DR 2D	Climb straight ahead, at or above 2750' (2470') turn LEFT, intercept 026° bearing to RW, turn LEFT, 347° bearing via SLAVA to SB, turn RIGHT, 016° bearing to DERIB.
DR 2G By ATC	Climb straight ahead, at or above 2090' (1810') turn RIGHT, intercept 008° bearing to SB, turn RIGHT, 016° bearing to DERIB.

URRR/ROV
ROSTOV-NA-DONU

15 JUN 12

10-3A1

Eff 28 Jun

SID

ROSTOV Radar
121.2

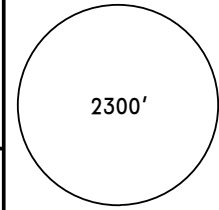
Apt Elev
280'

QNH on request (QFE)

Trans level: FL50 Trans alt: 3240' (3003')

1. Immediately after take-off contact ROSTOV Radar.

2. Crossings at AWY entry points by ATC.



MSA
RND VOR

FASAD 1 BRAVO (FS 1B)
RWY 04 DEPARTURE
BY ATC



FASAD

N47 33.3 E038 18.8

At or above
FL190



39

ZATON

N47 22.4 E039 14.8

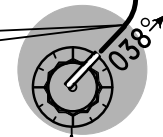
←279°



29

←271°

At 900'
(663')



ROSTOV-
NA-DONU

D
(H) 114.7 RND
N47 15.1 E039 48.8

ALT/HEIGHT CONVERSION

QNH (QFE)

900' (663' - 200m)

3240' (3003' - 900m)

This SID requires a minimum climb gradient
of 4.5%.

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

ROUTING

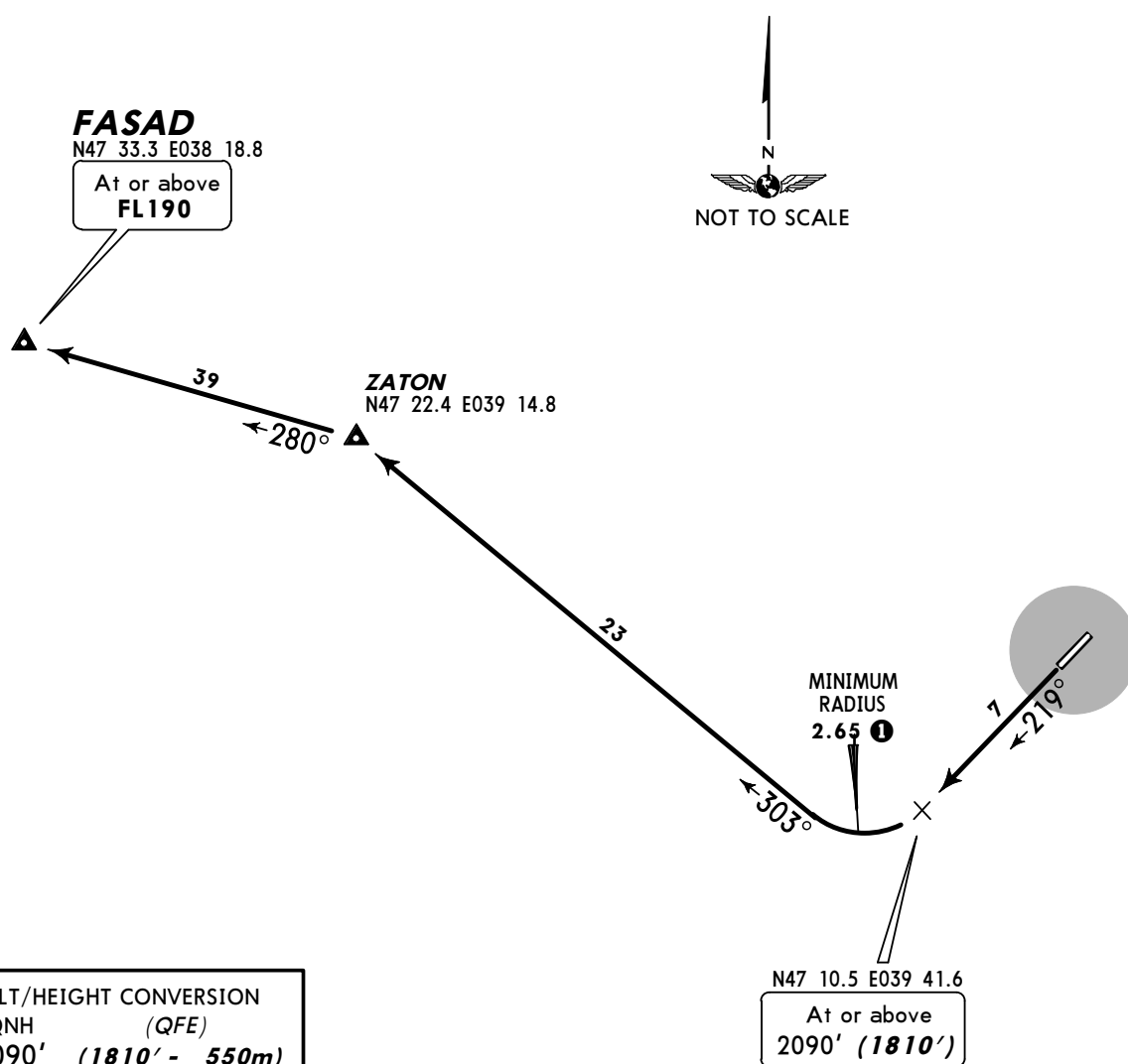
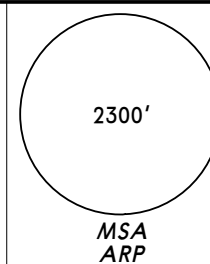
Climb straight ahead to 900' (663'), turn LEFT, 271° track to ZATON, turn RIGHT, 279° track to FASAD.

URRR/ROV
 ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
 4 NOV 11 (10-3B) Eff 17 Nov **SID**

ROSTOV Radar 121.2	Apt Elev 280'	QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (2960') 1. Aircraft should take-off with noise abatement procedures according to Flight Manual. 2. Immediately after take-off contact ROSTOV Radar. 3. Crossings at AWY entry points by ATC.
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FASAD 2 BRAVO (FS 2B)
RWY 22 DEPARTURE
 BY ATC



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2090'	(1810' - 550m)
3240'	(2960' - 900m)

1	KT	135	162	189	216	243
	Bank-DEG	06	08	11	14	18

This SID requires a minimum climb gradient of 273' per NM (4.5%).

Gnd speed-KT	75	100	150	200	250	300
273' per NM	342	456	684	911	1139	1367

ROUTING

Climb straight ahead, at or above 2090' (1810'), turn RIGHT, 303° track to ZATON, turn LEFT, 280° track to FASAD.

URRR/ROV
ROSTOV-NA-DONU

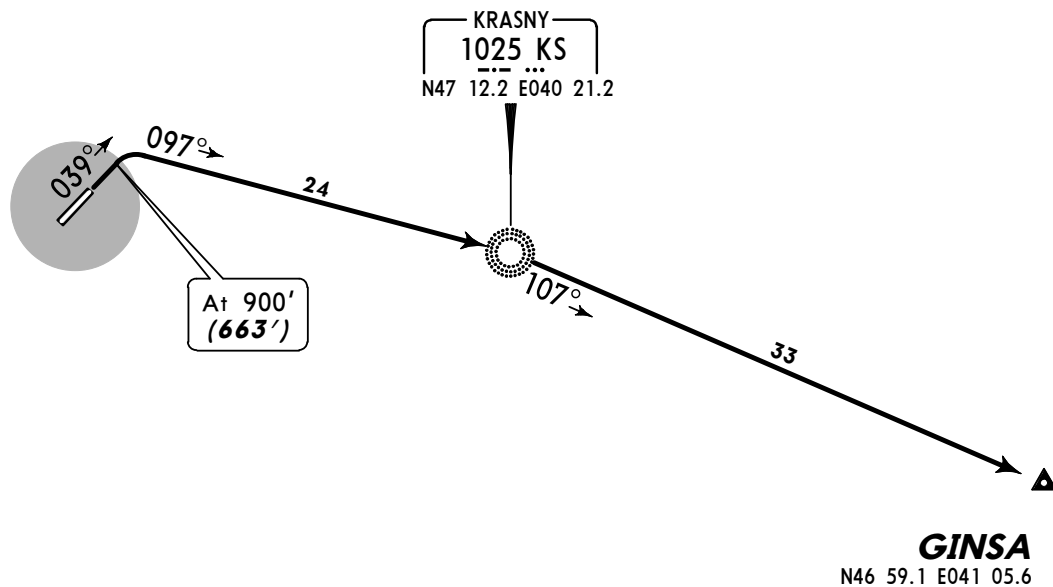
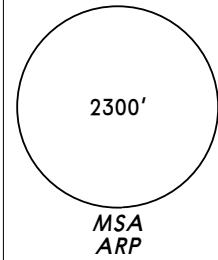
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 **10-3C** Eff 17 Nov **SID**

ROSTOV Radar
121.2

Apt Elev
280'

QNH on request **(QFE)** Trans level: FL50 Trans alt: 3240' **(3003')**
1. Immediately after take-off contact ROSTOV Radar.
2. Crossings at AWY entry points by ATC.

GINSA 1 ALFA (GN 1A)
RWY 04 DEPARTURE



ALT/HEIGHT CONVERSION		
QNH	(QFE)	
900'	(663' -	200m)
3240'	(3003' -	900m)

This SID requires a minimum climb gradient
of
334' per NM (5.5%).

Gnd speed-KT	75	100	150	200	250	300
334' per NM	418	557	835	1114	1392	1671

ROUTING

Climb straight ahead to 900' (663'), turn RIGHT, intercept 097° bearing to KS, turn RIGHT, 107° bearing to GINSA.

URRR/ROV
ROSTOV-NA-DONU

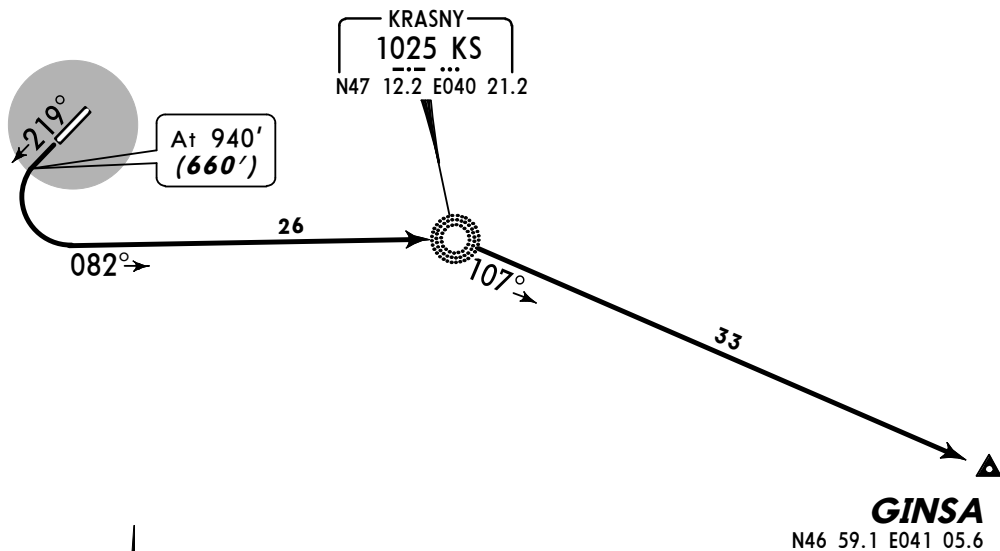
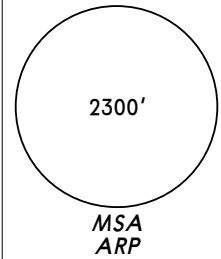
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 (10-3D) Eff 17 Nov SID

ROSTOV Radar
121.2

Apt Elev
280'

QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (2960')
1. Aircraft should take-off with noise abatement procedures according to Flight Manual.
2. Immediately after take-off contact ROSTOV Radar.
3. Crossings at AWY entry points by ATC.

GINSA 2 ALFA (GN 2A)
RWY 22 DEPARTURE



ALT/HEIGHT CONVERSION		
QNH	(QFE)	
940'	(660' - 200m)	
3240'	(2960' - 900m)	

This SID requires a minimum climb gradient of 292' per NM (4.8%).

Gnd speed-KT	75	100	150	200	250	300
292' per NM	365	486	729	972	1215	1458

ROUTING

Climb straight ahead to 940' (660'), turn LEFT, intercept 082° bearing to KS, turn RIGHT, 107° bearing to GINSA.

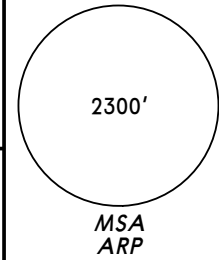
URRR/ROV
ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 **(10-3E)** **Eff 17 Nov** **SID**

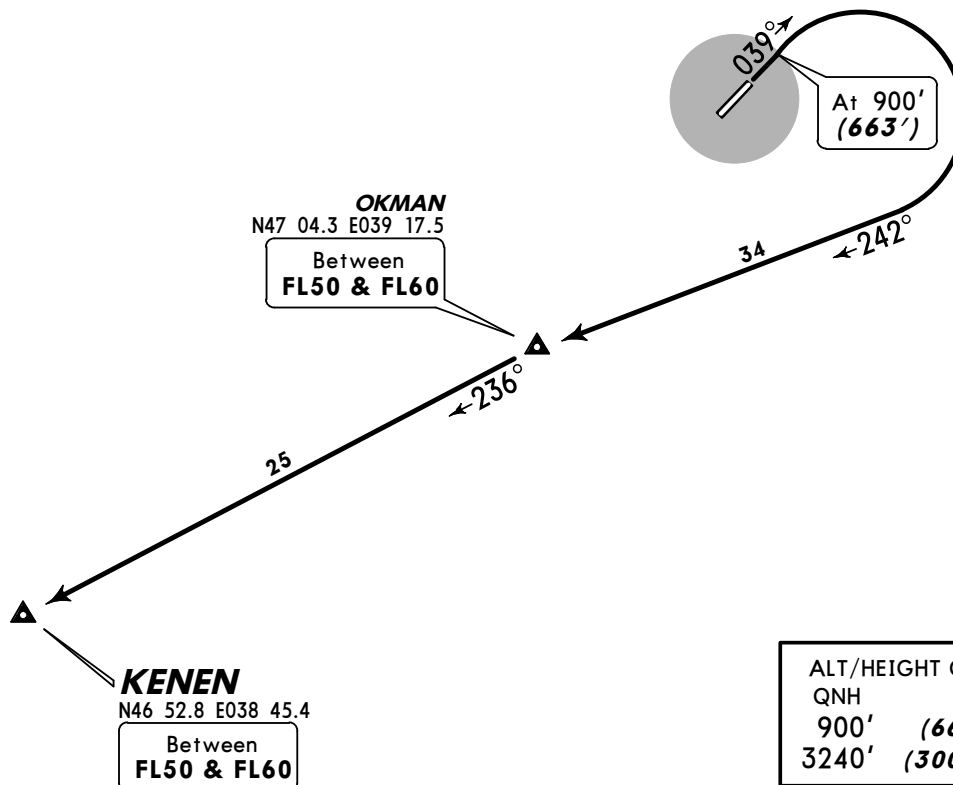
ROSTOV Radar
121.2

Apt Elev
280'

QNH on request **(QFE)**
Trans level: FL50 Trans alt: 3240' **(3003')**
1. Immediately after take-off contact ROSTOV Radar.
2. Crossings at AWY entry points by ATC.



KENEN 1 ALFA (KN 1A)
RWY 04 DEPARTURE



ROUTING

Climb straight ahead to 900' (663'), turn RIGHT, 242° track to OKMAN, turn LEFT, 236° track to KENEN.

URRR/ROV
ROSTOV-NA-DONU

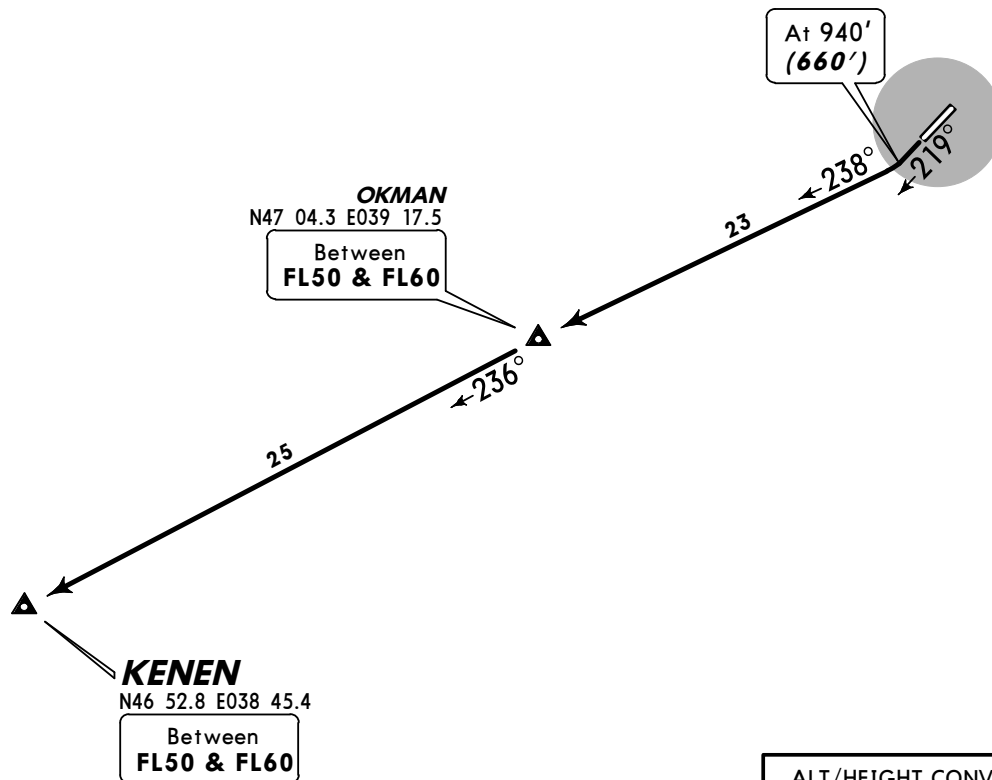
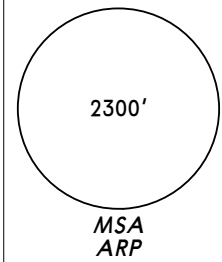
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 **10-3F** **Eff 17 Nov** **SID**

ROSTOV Radar
121.2

Apt Elev
280'

QNH on request **(QFE)** Trans level: FL50 Trans alt: 3240' **(2960')**
1. Aircraft should take-off with noise abatement procedures according to Flight Manual.
2. Immediately after take-off contact ROSTOV Radar.
3. Crossings at AWY entry points by ATC.

KENEN 2 ALFA (KN 2A)
RWY 22 DEPARTURE



ALT/HEIGHT CONVERSION		
QNH	(QFE)	
940'	660'	200m
3240'	2960'	900m

ROUTING

Climb straight ahead to 940' (660'), turn RIGHT, 238° track to OKMAN, turn LEFT, 236° track to KENEN.

URRR/ROV
 ROSTOV-NA-DONU

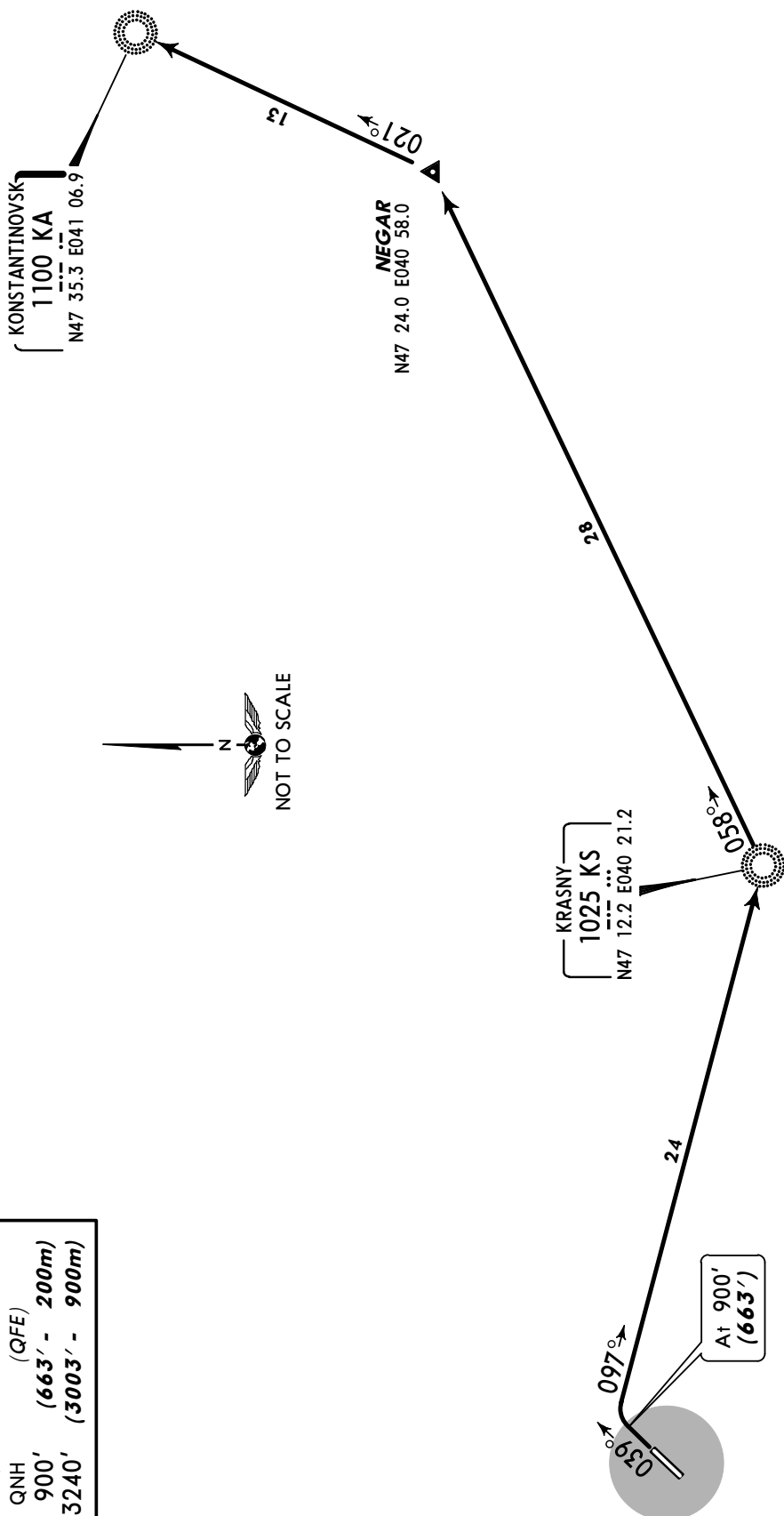
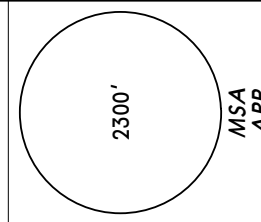
JEPPESEN ROSTOV-NA-DONU, RUSSIA
 4 NOV 11 10-3G Eff 17 Nov SID

ROSTOV Radar
 121.2

Apt Elev
 280'

QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (3003')
 1. Immediately after take-off contact ROSTOV Radar.
 2. Crossings at AWY entry points by ATC.

KONSTANTINOVSK 1 ALFA (KA 1A) RWY 04 DEPARTURE



ALT/HEIGHT CONVERSION

QNH (QFE)
 900' (663' - 200m)
 3240' (3003' - 900m)

KRASNY
 1025 KS
 N47 12.2 E040 21.2

At 900'
 (663')

This SID requires a minimum climb gradient of 280' per NM (4.6%).

Gnd speed-KT	75	100	150	200	250	300
280' per NM	349	466	699	932	1165	1398

ROUTING

Climb straight ahead to 900' (663'), turn RIGHT, intercept 097° bearing to KS, turn LEFT, 058° bearing to NEGAR, turn LEFT, intercept 021° bearing to KA.

URRR/ROV
ROSTOV-NA-DONU

15 JUN 12

10-3H

Eff 28 Jun

SID



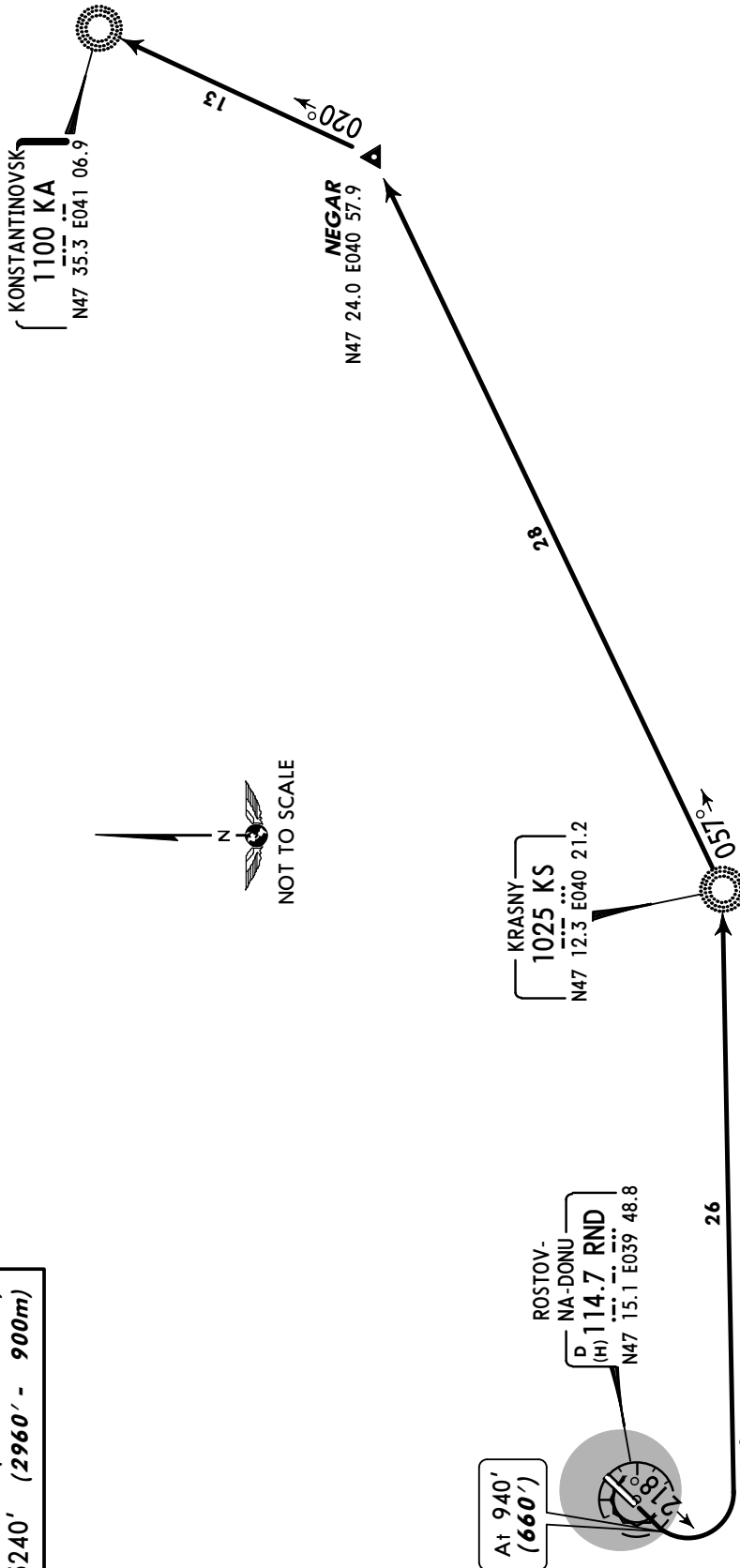
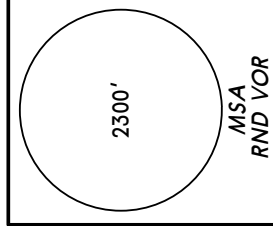
JEPP ESEN ROSTOV-NA-DONU, RUSSIA

ROSTOV Radar
121.2

Apt Elev
280'

QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (2960')
1. Aircraft should take-off with noise abatement procedures according to Flight Manual.
2. Immediately after take-off contact ROSTOV Radar.
3. Crossings at AWY entry points by ATC.

KONSTANTINOVSK 2 ALFA (KA 2A)
RWY 22 DEPARTURE



ALT/HEIGHT CONVERSION

QNH (QFE)
940' (660' - 200m)
3240' (2960' - 900m)

This SID requires a minimum climb gradient of 4.3%.

Gnd speed-KT	75	100	150	200	250	300
4.3% V/V(fpm)	327	435	653	871	1089	1306

ROUTING

Climb straight ahead to 940' (660'), turn LEFT, intercept 081° bearing to KS, turn LEFT, 057° bearing to NEGAR, turn LEFT, intercept 020° bearing to KA.

URRR/ROV
ROSTOV-NA-DONU

15 JUN 12

(10-3J)

Eff 28 Jun

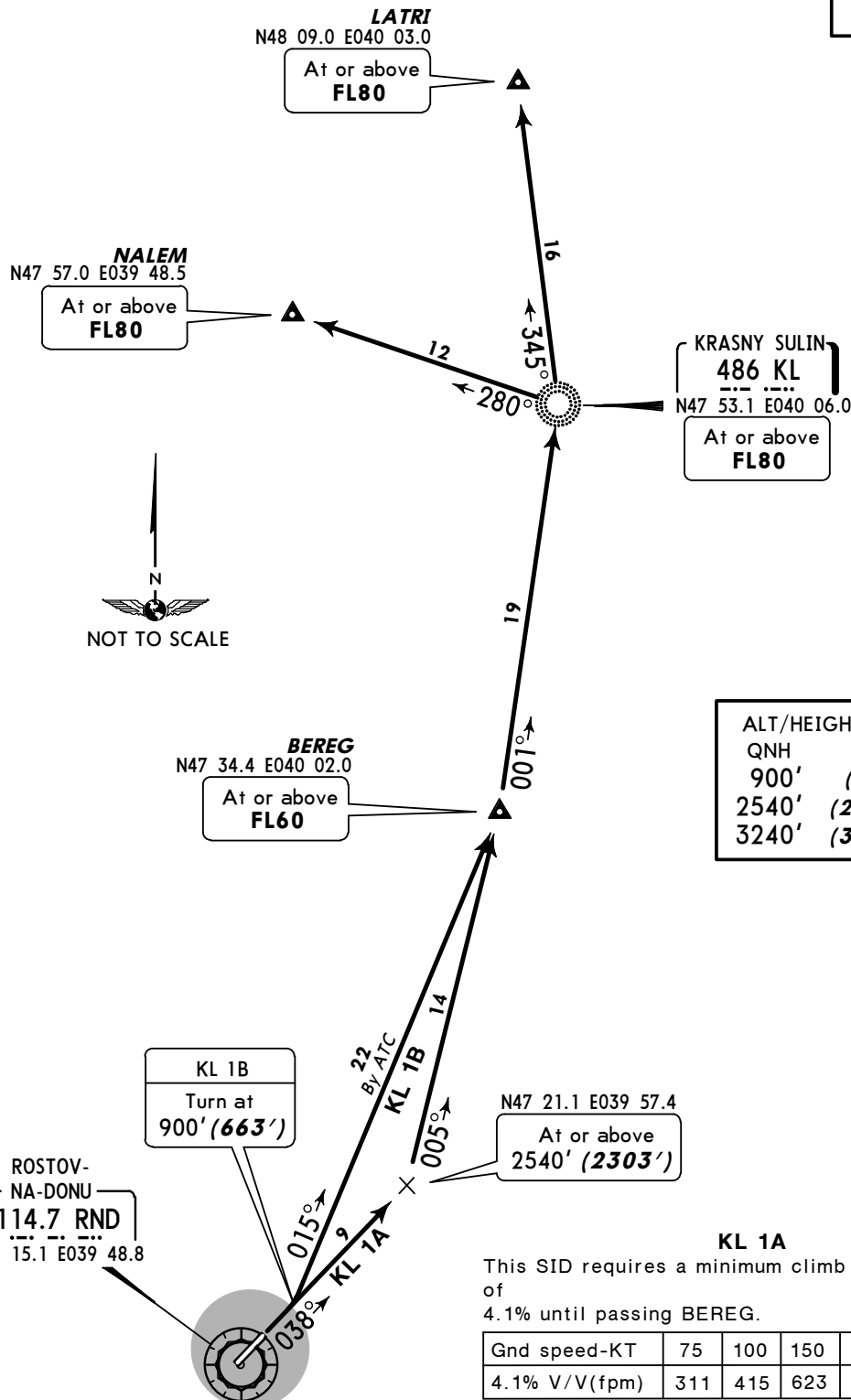
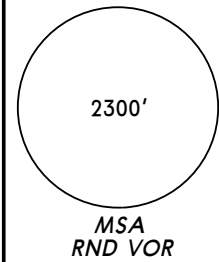
SID

ROSTOV Radar
121.2

Apt Elev
280'

QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (3003')
1. Immediately after take-off contact ROSTOV Radar.
2. Crossings at AWY entry points by ATC.

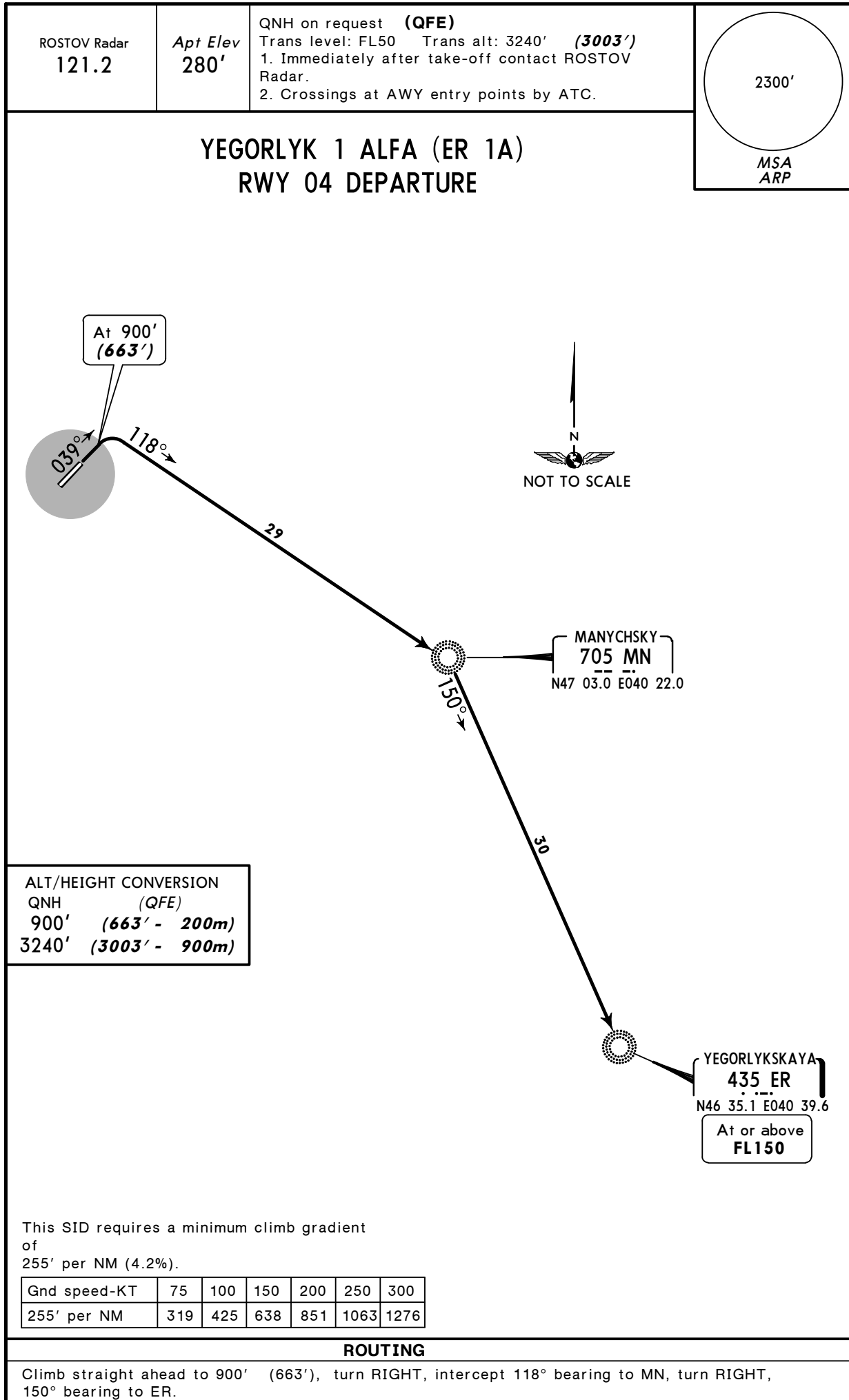
KRASNY SULIN 1 ALFA (KL 1A)
KRASNY SULIN 1 BRAVO (KL 1B)
RWY 04 DEPARTURES



SID	ROUTING
KL 1A	Climb straight ahead, at or above 2540' (2302'), turn LEFT, 005° track to BEREK, turn LEFT, intercept 001° bearing to KL.
KL 1B By ATC	Climb straight ahead to 900' (663'), turn LEFT, 015° track to BEREK, turn LEFT, intercept 001° bearing to KL.

URRR/ROV
ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 (10-3K) Eff 17 Nov SID



URRR/ROV
ROSTOV-NA-DONU

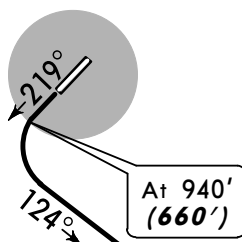
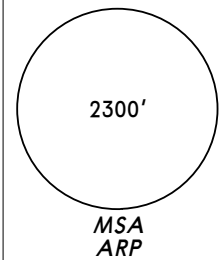
JEPPESEN ROSTOV-NA-DONU, RUSSIA
4 NOV 11 **(10-3L)** Eff 17 Nov **SID**

ROSTOV Radar
121.2

Apt Elev
280'

QNH on request **(QFE)** Trans level: FL50 Trans alt: 3240' **(2960')**
1. Aircraft should take-off with noise abatement procedures according to Flight Manual.
2. Immediately after take-off contact ROSTOV Radar.
3. Crossings at AWY entry points by ATC.

YEGORLYK 2 ALFA (ER 2A)
RWY 22 DEPARTURE



SOKOL
N46 57.1 E040 12.3

ALT/HEIGHT CONVERSION
QNH (QFE)
940' (660' - 200m)
3240' (2960' - 900m)

YEGORLYKSKAYA
435 ER
N46 35.1 E040 39.6

At or above
FL150

This SID requires a minimum climb gradient
of
261' per NM (4.3%).

Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

ROUTING

Climb straight ahead to 940' (660'), turn LEFT, 124° track to SOKOL, turn RIGHT, intercept 133° bearing to ER.

URRR/ROV

JEPPesen

ROSTOV-NA-DONU

15 JUN 12

10-4

Eff 28 Jun

ROSTOV-NA-DONU, RUSSIA

NOISE

NOISE ABATEMENT

ARRIVALS

APPROACH PHASE

Noise abatement procedures shall be executed by all ACFT.

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

Restrictions

During instrument as well as visual approach flying below the ILS glide path angle is not allowed.

Between 2300-0700LT when appropriate meteorological and air conditions are available, landing shall be carried out on RWY 22.

Landing with a tail wind component is allowed when tail wind component is according to norms established in Flight Manual for specified ACFT type.

DEPARTURES

TAKE-OFF AND CLIMBING PHASE

Noise abatement procedures shall be executed by all ACFT during take-off on 218° heading.

Noise abatement procedures shall not be executed at the expense of reduction of flight safety and in case of engine failure during take-off, wind shear, moderate turbulence or icing.

Restrictions

Take-off with a tail wind component is allowed when tail wind component is according to norms established in Flight Manual for specified ACFT type.

During take-off on 038° heading and exit from TMA via BEREГ climb straight ahead to 2540' (2303'), turn LEFT to BEREГ with a minimum climb gradient of 4.1% until crossing BEREГ.

During take-off on 218° heading and exit from TMA via SLAVA climb straight ahead to 1110' (830'), turn LEFT to LOM with minimum radius of 1.5 NM and with a minimum climb gradient of 7.7% until crossing LOM.

During take-off on 218° heading and exit from TMA via RIGHT turn climb straight ahead to 2090' (1810'), RIGHT turn with minimum radius of 2.6 NM.

Special procedures on take-off heading 218°

Take-off and climbing to 1760' (1480')

Take-off power

Take-off flaps

$V_2 + 11$ to 22 KT

At 1760' (1480')

At or above 940' (660') turn with 25° bank

Reduce engine power to a minimum while maintaining positive rate of climb

Between 1760' (1480') - 3240' (2960')

$V_2 + 11$ to 22 KT

At 3240' (2960')

Accelerate to IAS of wing devices retraction

Retract wing devices

Further climb as per Flight Manual

Between 2300-0700LT when appropriate meteorological and air conditions are available, take-off shall be carried out on RWY 04 and landing on RWY 22.

URRR/ROV

Apt Elev **280'**
N47 15.5 E039 49.1

15 JUN 12

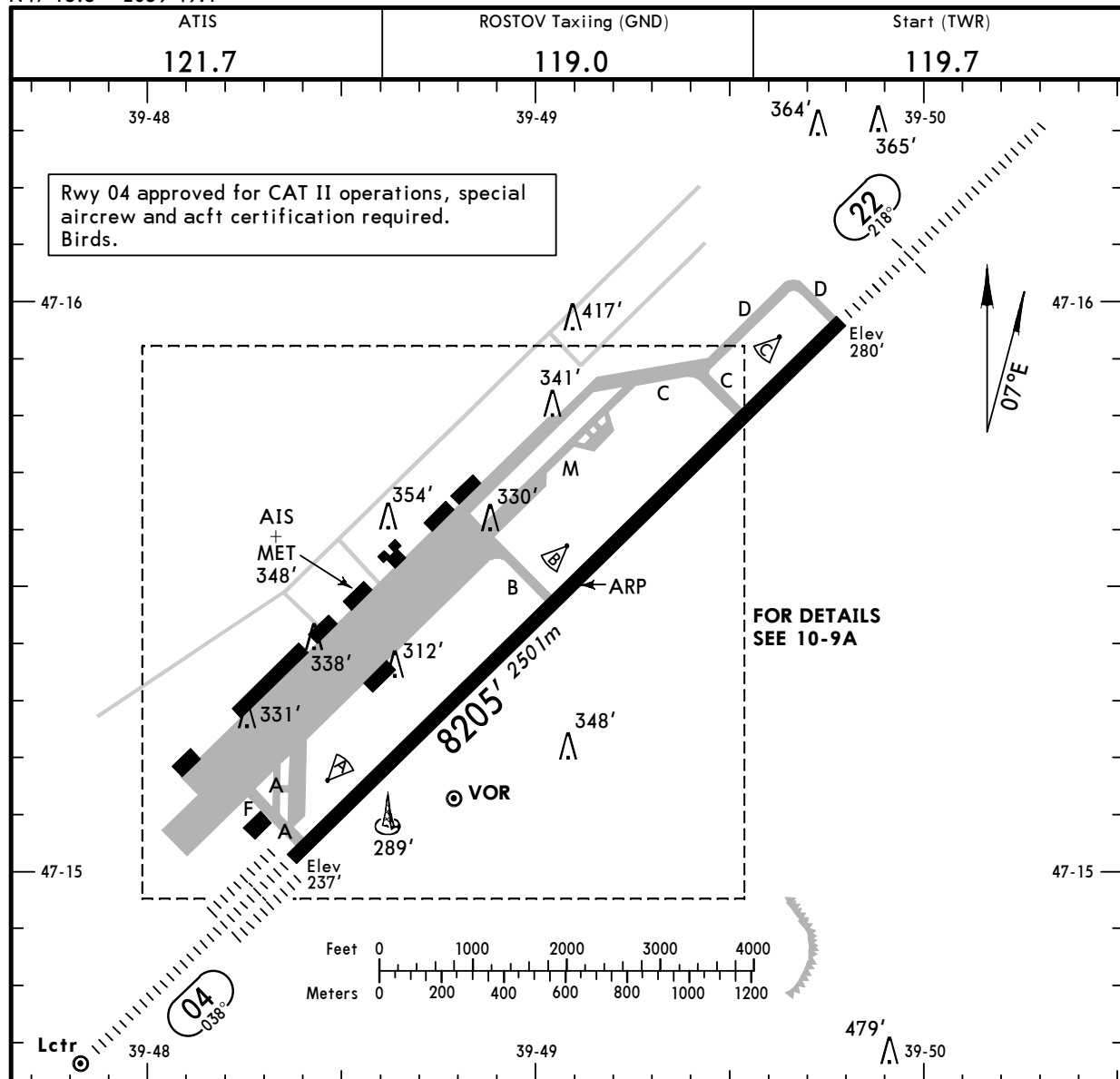
(10-9)

Eff 28 Jun

JEPPesen

ROSTOV-NA-DONU, RUSSIA

ROSTOV-NA-DONU



ADDITIONAL RUNWAY INFORMATION

						USABLE LENGTHS		TAKE-OFF	WIDTH
						LANDING BEYOND			
RWY						Threshold	Glide Slope		
04	HIRL (60m)	CL (15m)	HIALS-II	TDZ ❶	RVR		7169' 2185m		148'
22	HIRL (60m)	CL (15m)	HIALS ❶		RVR		7333' 2235m		45m

① PAPI-L (angle 2.67°)

Taxiing on apron and twys with FOLLOW-ME only, when visibility is less than 400m.

LOW VISIBILITY PROCEDURES

Procedures are applied when RVR is less than 550m.

After landing, pilots must report vacated of the runway and ILS critical area.

FOLLOW-ME guides arriving acft after leaving ILS critical area to the stand, departing acft from the stand to rwy holding position line.

TAKE-OFF

AIR CARRIER (JAA)

All Rwys

LVP must be in force

	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A			
B	200m (150m)	250m	400m
C			
D	250m (200m)	300m	

CHANGES: Variation. Runway bearing.

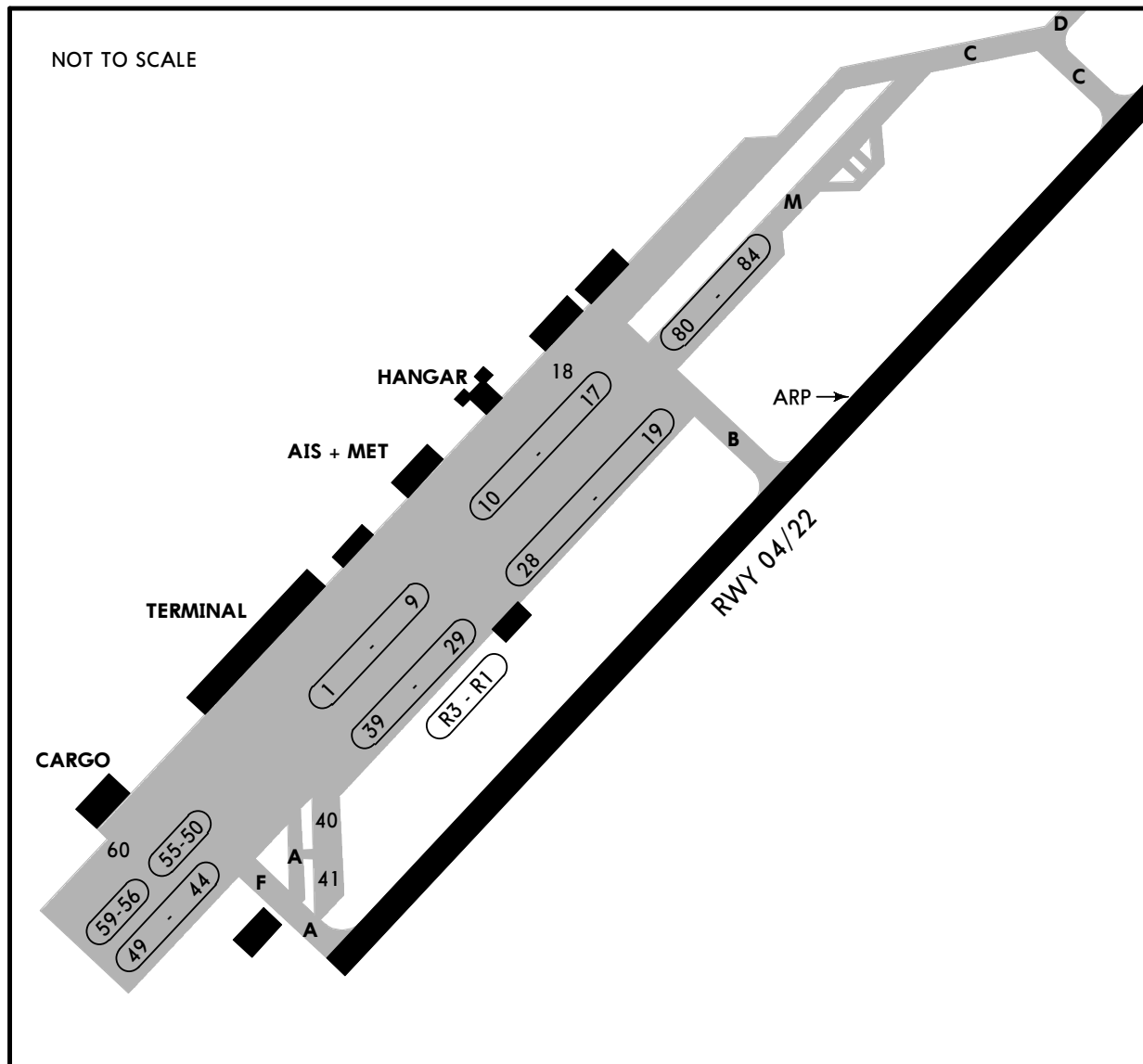
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URRR/ROV

15 JUN 12 **10-9A** Eff 28 Jun

ROSTOV-NA-DONU, RUSSIA

ROSTOV-NA-DONU



When leaving stands 1, 2 and 44 thru 47 by towing start-up to be carried out on Twys A, F or on apron in front of stands 29 thru 39.

Stands 16 thru 28 are cul-de-sacs.

Stands 16 thru 18: Enter/exit by towing.

Stands 19 thru 28 and 80 thru 84: Enter by towing.

Stands 1 thru 41, 44 thru 47, 50 thru 59 and 80 thru 84 available for helicopters.

Taxiing via Twys B, C, M and along apron shall be carried out along twy centerline at minimum speed.

Taxiing along Twy B with inner engines only.

Taxiing of acft with a wingspan more than 126'/38.6m and diameter of the main rotor more than 85'/26m from stand 3 to Twy B, along Twy M, along Twy C from Twy M to Twy D, between stands 1 and 44 when either of them is occupied is prohibited.

Taxiing from stand 50 via stand 51 is allowed for acft with a wingspan more than 98'/30m or diameter of the main rotor than 72'/22m.

B737-300 acft: taxiing into stand 1 shall be carried out under own engines power. Taxiing out of stand 1 by towing.

URRR/ROV

15 JUN 12

10-9B

Eff 28 Jun



JEPPESSEN ROSTOV-NA-DONU, RUSSIA

ROSTOV-NA-DONU

INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
1	N47 15.2 E039 48.2	38, 39	N47 15.2 E039 48.3
2 ①	N47 15.3 E039 48.3	40, 41	N47 15.1 E039 48.3
2 ②	N47 15.2 E039 48.3	44	N47 15.2 E039 48.2
3 thru 5	N47 15.3 E039 48.3	45 ①	N47 15.2 E039 48.2
6, 7	N47 15.3 E039 48.4	45 ②	N47 15.1 E039 48.2
8	N47 15.4 E039 48.4	46 ①	N47 15.1 E039 48.1
9 thru 11	N47 15.4 E039 48.5	46 ②	N47 15.1 E039 48.2
12	N47 15.4 E039 48.6	47	N47 15.1 E039 48.1
13 thru 15	N47 15.5 E039 48.6	48	N47 15.1 E039 48.1
16 ①	N47 15.5 E039 48.6	49	N47 15.1 E039 48.0
16 ②	N47 15.5 E039 48.7	49	N47 15.1 E039 48.1
17	N47 15.5 E039 48.7	50	N47 15.2 E039 48.2
18	N47 15.5 E039 48.6	51 ①	N47 15.2 E039 48.1
19 thru 21	N47 15.5 E039 48.8	51 ②	N47 15.2 E039 48.2
22 thru 24	N47 15.5 E039 48.7	52 thru 54	N47 15.2 E039 48.1
25	N47 15.4 E039 48.7	55 ①	N47 15.1 E039 48.1
26 thru 28	N47 15.4 E039 48.6	55 ②	N47 15.2 E039 48.0
29 thru 31	N47 15.3 E039 48.5	56 thru 59	N47 15.1 E039 48.0
32 ①	N47 15.3 E039 48.4	80 thru 82	N47 15.6 E039 48.9
32 ②	N47 15.3 E039 48.5	83, 84	N47 15.6 E039 49.0
33 thru 35	N47 15.3 E039 48.4		
36 ①	N47 15.3 E039 48.4		
36 ②	N47 15.2 E039 48.4		
37 ①	N47 15.2 E039 48.3		
37 ②	N47 15.2 E039 48.4		

① Stand direction NW

② Stand direction SE

URRR/ROV


JEPPESEN
 23 MAR 12 **10-9S**
Standard
ROSTOV-NA-DONU, RUSSIA
 ROSTOV-NA-DONU

STRAIGHT-IN RWY		A	B	C	D
04	CAT 2 ILS	337' (100')	337' (100')	337' (100')	337' (100')
		RA 110' R350m	RA 110' R350m	RA 110' R350m	RA 110' R350m
	ILS	437' (200')	437' (200')	437' (200')	437' (200')
	<i>FULL</i>	R550m	R550m	R550m	R550m
	<i>Limited</i>	R750m	R750m	R750m	R750m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ①	660' (423')	660' (423')	660' (423')	660' (423')
	with D5.7/Radar	R1300m	R1300m	R1300m	R1300m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
22	2 NDB ①	1000' (763')	1000' (763')	1000' (763')	1000' (763')
	w/o D5.7/Radar	C2900m	C2900m	C2900m	C2900m
	<i>ALS out</i>	C3600m	C3600m	C3600m	C3600m
	RN NDB ①	730' (493')	730' (493')	730' (493')	730' (493')
	with D5.7/Radar	R1500m	R1500m	R1500m	R1500m
	<i>ALS out</i>	R1500m	R1500m	C2300m	C2300m
	RN NDB ①	1000' (763')	1000' (763')	1000' (763')	1000' (763')
	w/o D5.7/Radar	C2900m	C2900m	C2900m	C2900m
	<i>ALS out</i>	C3600m	C3600m	C3600m	C3600m
	N Lctr ①	850' (613')	850' (613')	850' (613')	850' (613')
	with D5.7/Radar	R1500m	R1500m	C2100m	C2100m
	<i>ALS out</i>	R1500m	R1500m	C2400m	C2400m
	N Lctr	1400' (1163')	1400' (1163')	1400' (1163')	1400' (1163')
	w/o D5.7/Radar	C4800m	C4800m	C5000m	C5000m
	<i>ALS out</i>	C5000m	C5000m	C5000m	C5000m
	ILS	480' (200')	480' (200')	480' (200')	480' (200')
	<i>FULL</i>	R550m	R550m	R550m	R550m
	<i>Limited</i>	R750m	R750m	R750m	R750m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ①	740' (460')	740' (460')	740' (460')	740' (460')
		R1400m	R1400m	R1400m	R1400m
	<i>ALS out</i>	R1500m	R1500m	C2100m	C2100m
	RW NDB ①	790' (510')	790' (510')	790' (510')	790' (510')
		R1500m	R1500m	R1600m	R1600m
	<i>ALS out</i>	R1500m	R1500m	C2400m	C2400m
	W Lctr ①	790' (510')	790' (510')	790' (510')	790' (510')
	with D6.5/Radar	R1500m	R1500m	R1600m	R1600m
	<i>ALS out</i>	R1500m	R1500m	C2400m	C2400m
	W Lctr	1070' (790')	1070' (790')	1070' (790')	1070' (790')
	w/o D6.5/Radar	C3100m	C3100m	C3300m	C3300m
	<i>ALS out</i>	C3800m	C3800m	C4000m	C4000m

① Continuous Descent Final Approach

TAKE-OFF RWY 04, 22

	Approved Operators HIRL, CL & mult. RVR req	LVP must be in Force				NIL (DAY only)
		RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	
A	125m	150m	200m	250m	400m	500m
B						
C						
D	150m	200m	250m	300m		

CHANGES: NDB minimums.

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URRR/ROV


JEPPESEN
 23 MAR 12 **10-9X**
JAA MINIMUMS
ROSTOV-NA-DONU, RUSSIA
 ROSTOV-NA-DONU

STRAIGHT-IN RWY		A	B	C	D
04	CAT 2 ILS	337' (100')	337' (100')	337' (100')	337' (100')
		RA 110' R350m	RA 110' R350m	RA 110' R350m	RA 110' R350m
	ILS	437' (200')	437' (200')	437' (200')	437' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	2 NDB	660' (423')	660' (423')	660' (423')	660' (423')
	with D5.7/Radar	R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	2 NDB	1000' (763')	1000' (763')	1000' (763')	1000' (763')
22	w/o D5.7/Radar	R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	RN NDB	730' (493')	730' (493')	730' (493')	730' (493')
	with D5.7/Radar	R1000m	R1200m	R1200m	R1600m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	RN NDB	1000' (763')	1000' (763')	1000' (763')	1000' (763')
	w/o D5.7/Radar	R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	N Lctr	850' (613')	850' (613')	850' (613')	850' (613')
	with D5.7/Radar	R1000m	R1200m	R1200m	R1600m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	N Lctr	1400' (1163')	1400' (1163')	1400' (1163')	1400' (1163')
	w/o D5.7/Radar	R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	ILS	480' (200')	480' (200')	480' (200')	480' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	2 NDB	740' (460')	740' (460')	740' (460')	740' (460')
		R1000m	R1200m	R1200m	R1600m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	RW NDB	790' (510')	790' (510')	790' (510')	790' (510')
		R1000m	R1200m	R1200m	R1600m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	W Lctr	790' (510')	790' (510')	790' (510')	790' (510')
	with D6.5/Radar	R1000m	R1200m	R1200m	R1600m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	W Lctr	1070' (790')	1070' (790')	1070' (790')	1070' (790')
	w/o D6.5/Radar	R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m

TAKE-OFF RWY 04, 22

LVP must be in Force					
Approved Operators HIRL, CL & mult. RVR req	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A					
B	125m	150m	200m	250m	400m
C					500m
D	150m	200m	250m	300m	

CHANGES: NDB minimums.

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URRR/ROV ROSTOV-NA-DONU

15 JUN 12

11-1

Eff 28 Jun



JEPPESSEN ROSTOV-NA-DONU, RUSSIA

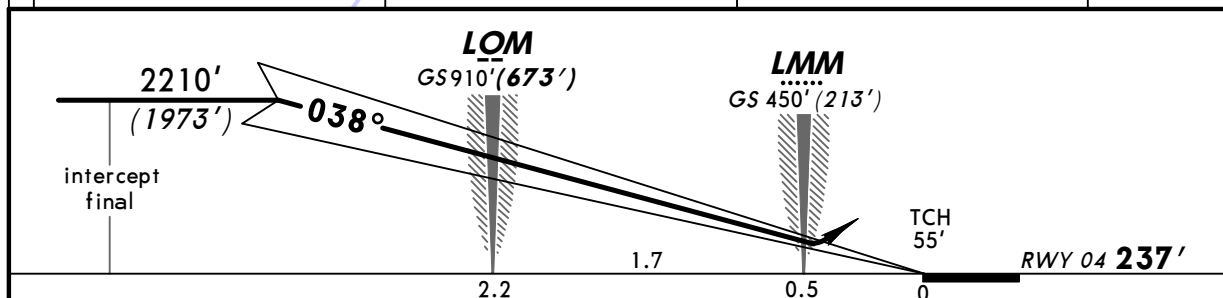
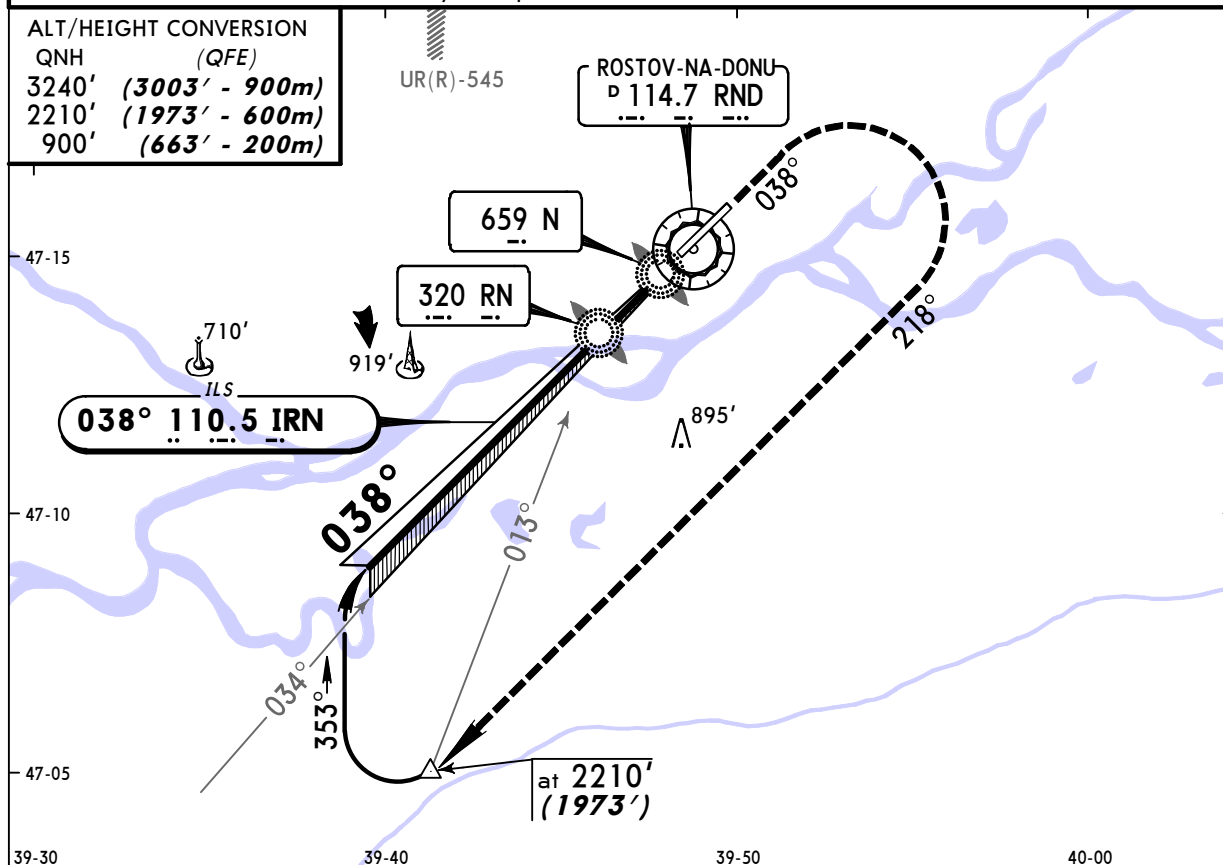
ILS Rwy 04

BRIEFING STRIP

ATIS	ROSTOV Approach	ROSTOV Radar	ROSTOV Tower/Start (TWR)	Ground
121.7	128.2	121.2	119.7	119.0
LOC IRN 110.5	Final Apch Crs 038°	GS LOM 910' (673')	ILS DA(H) 437' (200') Apt Elev 280' RWY 237'	2300' MSA RND VOR
MISSED APCH: Climb on 038° to 900' (663'), then turn RIGHT onto 218° climbing to 2210' (1973'), then according to chart. When going around, immediately contact ROSTOV Radar.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3240' (3003') Increased turbulence and windshear may be expected on final.				

ALT/HEIGHT CONVERSION

QNH	(QFE)
3240' (3003' - 900m)	
2210' (1973' - 600m)	
900' (663' - 200m)	



Gnd speed-Kts	70	90	100	120	140	160	ILS-II	900' (663')	on 038°	218° RT	2210' (1973')
ILS GS	2.67°	336	432	480	576	671	767				

STRAIGHT-IN LANDING RWY 04						
ILS			LOC (GS out)			
DA(H) 437'(200')						
FULL		TDZ or CL out	ALS out			
A	RVR 550m VIS 800m	RVR 720m VIS 800m	1200m	NOT AUTHORIZED		
B						
C						
D						

PANS OPS

URRR/ROV
ROSTOV-NA-DONU

15 JUN 12

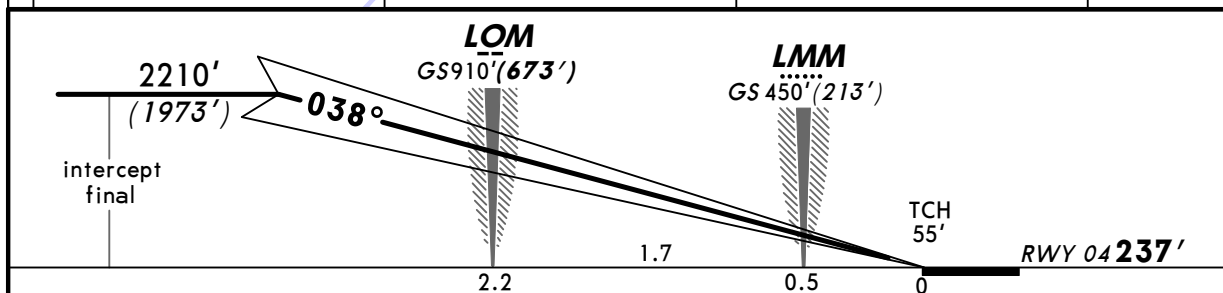
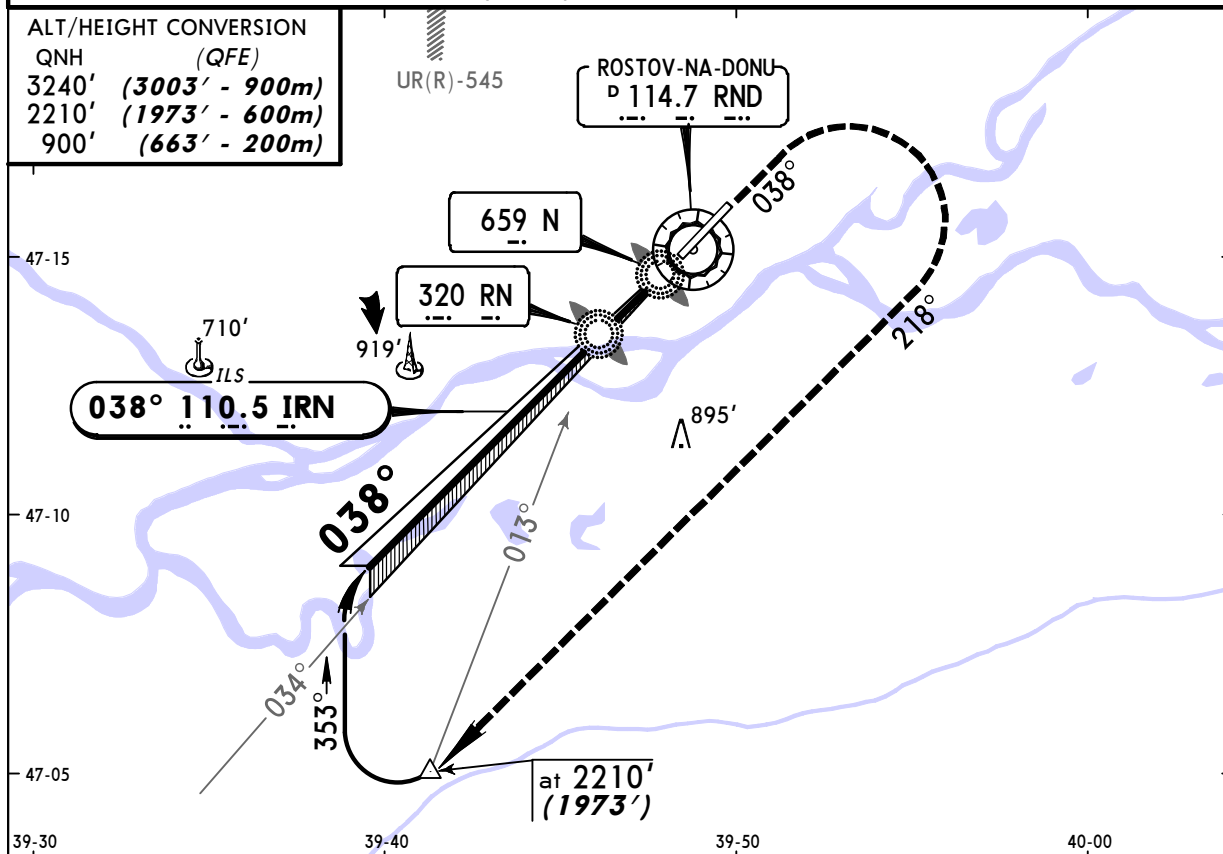
11-1A

Eff 28 Jun

ROSTOV-NA-DONU, RUSSIA
CAT II ILS Rwy 04

BRIEFING STRIP

ATIS	ROSTOV Approach	ROSTOV Radar	ROSTOV Tower/Start (TWR)	Ground
121.7	128.2	121.2	119.7	119.0
LOC IRN 110.5	Final Apch Crs 038°	GS LOM 910' (673')	CAT II ILS RA 110' DA(H) 337' (100') Apt Elev 280' RWY 237'	2300'
MISSED APCH: Climb on 038° to 900' (663'), then turn RIGHT onto 218° climbing to 2210' (1973'), then according to chart. When going around, immediately contact ROSTOV Radar.				MSA RND VOR
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3240' (3003') 1. Special Aircrew & Acft Certification Required. 2. Increased turbulence and windshear may be expected on final.				



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	900' (663') on 038°	218° RT	2210' (1973')
GS 2.67°	336	432	480	576	671	767				

STRAIGHT-IN LANDING RWY 04 CAT II ILS										
ABCD RA 110' DA(H) 337' (100')										
RVR 350m										

PANS OPS

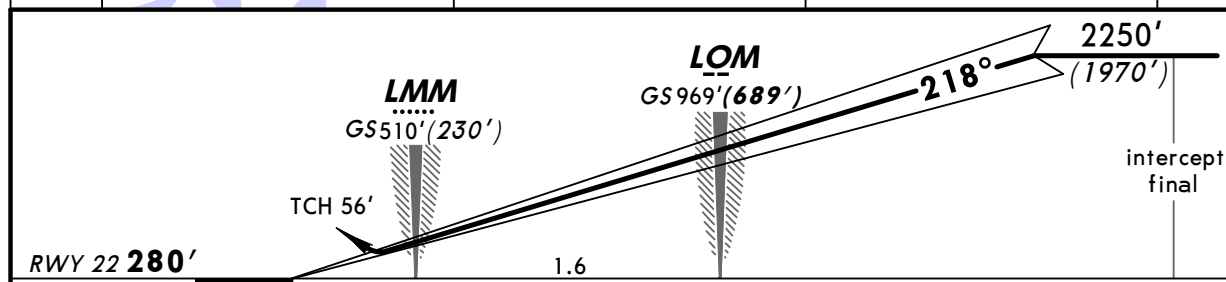
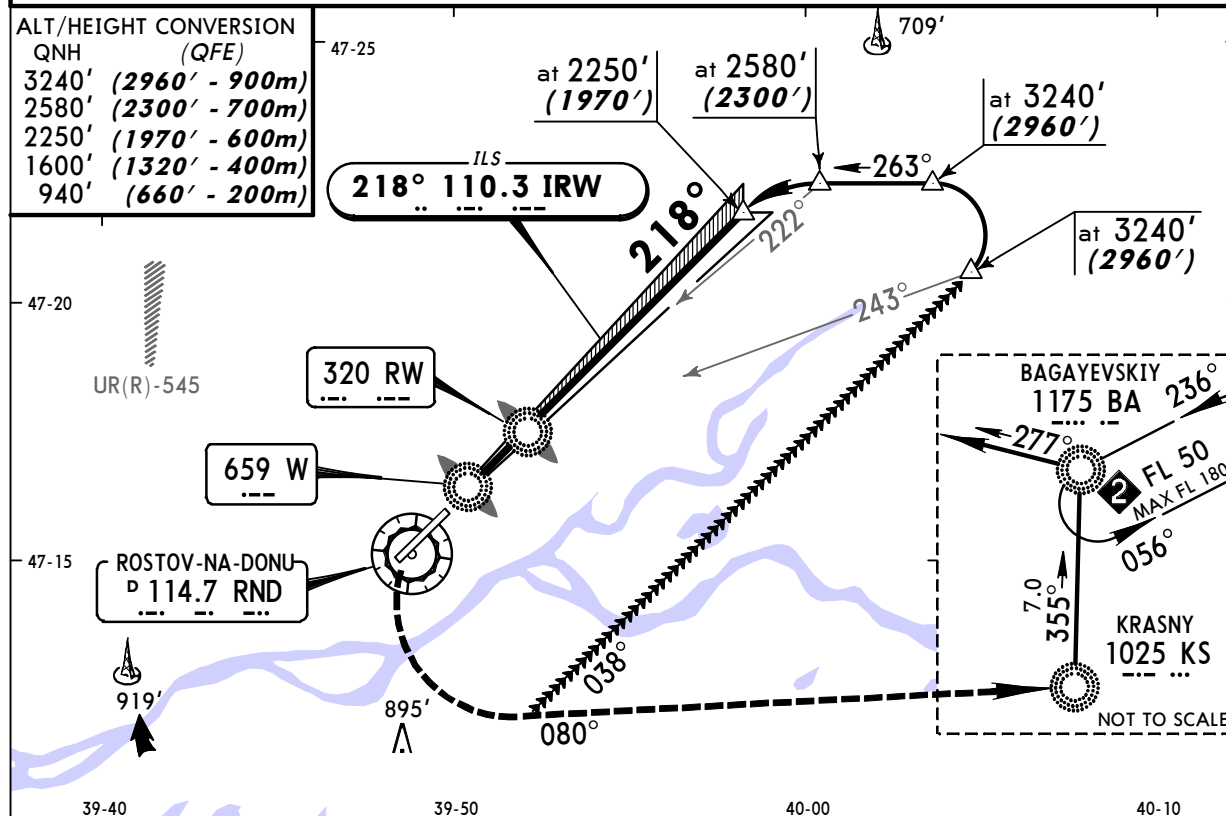
URRR/ROV ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
15 JUN 12 **(11-2)** **Eff 28 Jun** **ILS Rwy 22**

BRIEFING STRIP

ATIS	ROSTOV Approach	ROSTOV Radar	ROSTOV Tower/Start (TWR)	Ground
121.7	128.2	121.2	119.7	119.0
LOC IRW 110.3	Final Apch Crs 218°	GS LOM 969' (689')	ILS DA(H) 480' (200')	Apt Elev 280' RWY 280'
MISSED APCH: Climb to 940' (660'), then turn LEFT onto 080° to KS NDB climbing to 2250' (1970'), then as directed.				2300' MSA RND VOR
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3240' (2960') Increased turbulence and windshear may be expected on final.				

ALT/HEIGHT CONVERSION
QNH (QFE)
3240' (2960' - 900m)
2580' (2300' - 700m)
2250' (1970' - 600m)
1600' (1320' - 400m)
940' (660' - 200m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS	940' (660')	080° LT	2250' (1970')	KS 1025
ILS GS 2.67°	336	432	480	576	671	767					

STRAIGHT-IN LANDING RWY 22			
ILS		LOC (GS out)	
DA(H) 480' (200')			
FULL	ALS out		
A			
B			
C	RVR 720m VIS 800m	1200m	NOT AUTHORIZED
D			

PANS OPS

URRR/ROV
ROSTOV-NA-DONU

15 JUN 12
Eff 28 Jun

(16-1)

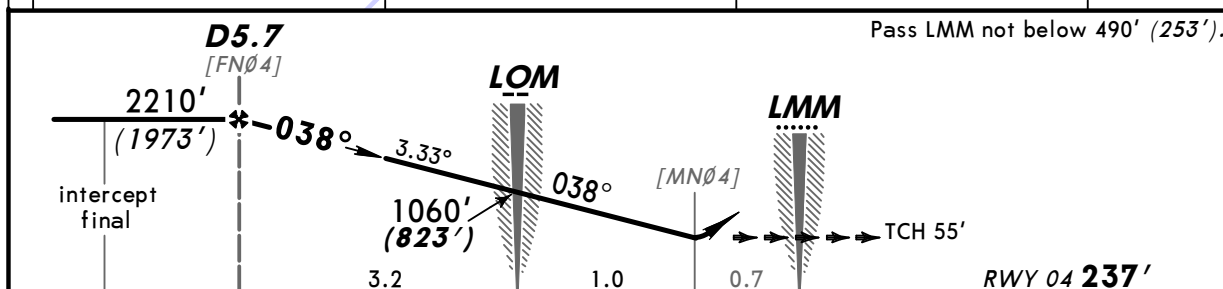
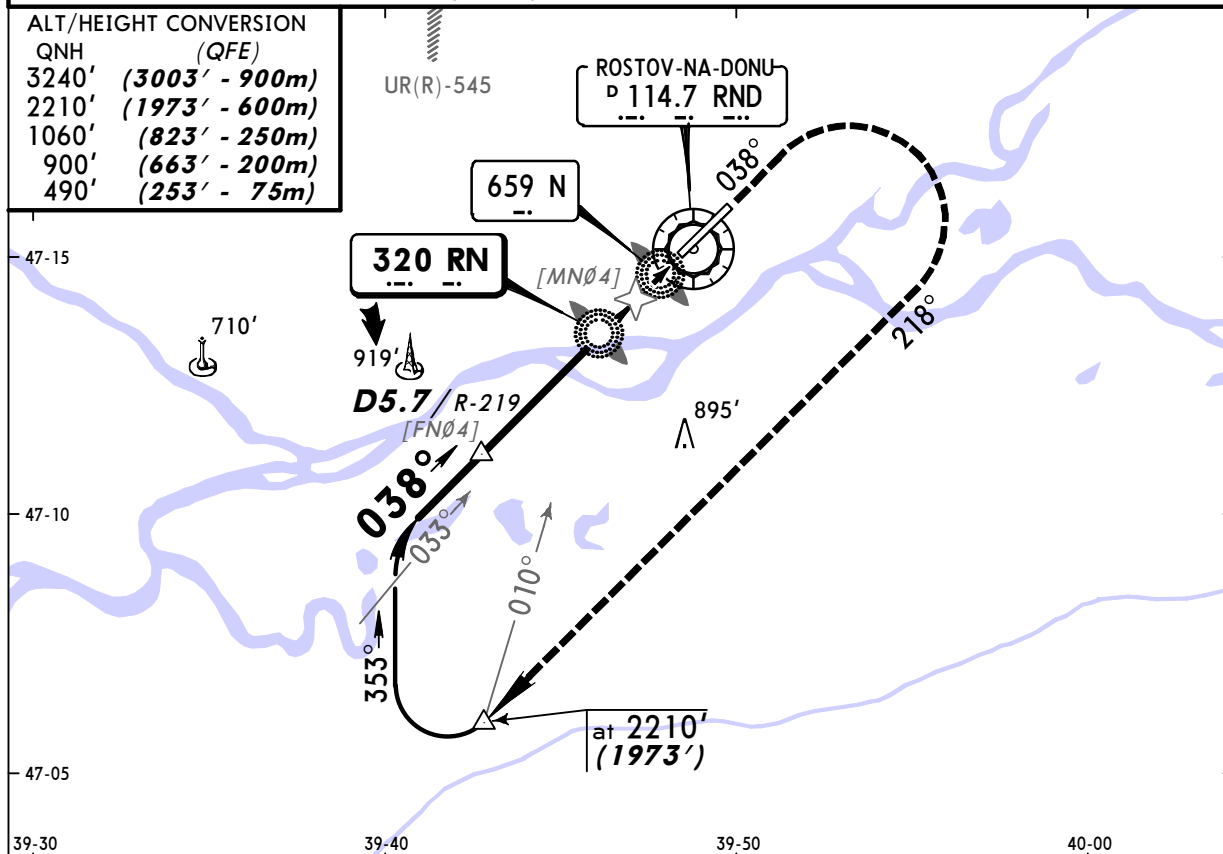
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ROSTOV-NA-DONU, RUSSIA

2 NDB or NDB Rwy 04

BRIEFING STRIP

ATIS	ROSTOV Approach	ROSTOV Radar	ROSTOV Tower/Start (TWR)	Ground
121.7	128.2	121.2	119.7	119.0
NDB RN 320	Final Apch Crs 038°	Minimum Alt LOM 1060' (823')	MDA(H) Refer to Minimums Apt Elev 280' RWY 237'	2300'
MISSED APCH: Climb on 038° to 900' (663'), then turn RIGHT onto 218° climbing to 2210' (1973'), then according to chart. When going around, immediately contact ROSTOV Radar.				MSA RND VOR
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 50
Increased turbulence and windshear may be expected on final.		Trans alt: 3240' (3003')		



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	900' (663') on 038°	218° RT	2210' (1973')
Descent Angle	3.33°	412	530	589	707	825	943			

STRAIGHT-IN LANDING RWY 04									
2 NDB		With D5.7/Radar		N Lctr		W/o D5.7/Radar		N Lctr	
MDA(H) 660' (423')		RN NDB MDA(H) 730' (493')		MDA(H) 850' (613')		2 NDB or RN NDB MDA(H) 1000' (763')		MDA(H) 1400' (1163')	
ALS out		ALS out		ALS out		ALS out		ALS out	
A									
B	1200m	1900m	1500m	2300m	2100m	2900m	3200m	3200m	
C		RVR 1800m VIS 2000m					3200m	3600m	4000m
D	RVR 1500m VIS 1600m	RVR 1800m VIS 2000m	2400m	2800m	3200m	3600m	4000m	4400m	4800m

PANS OPS

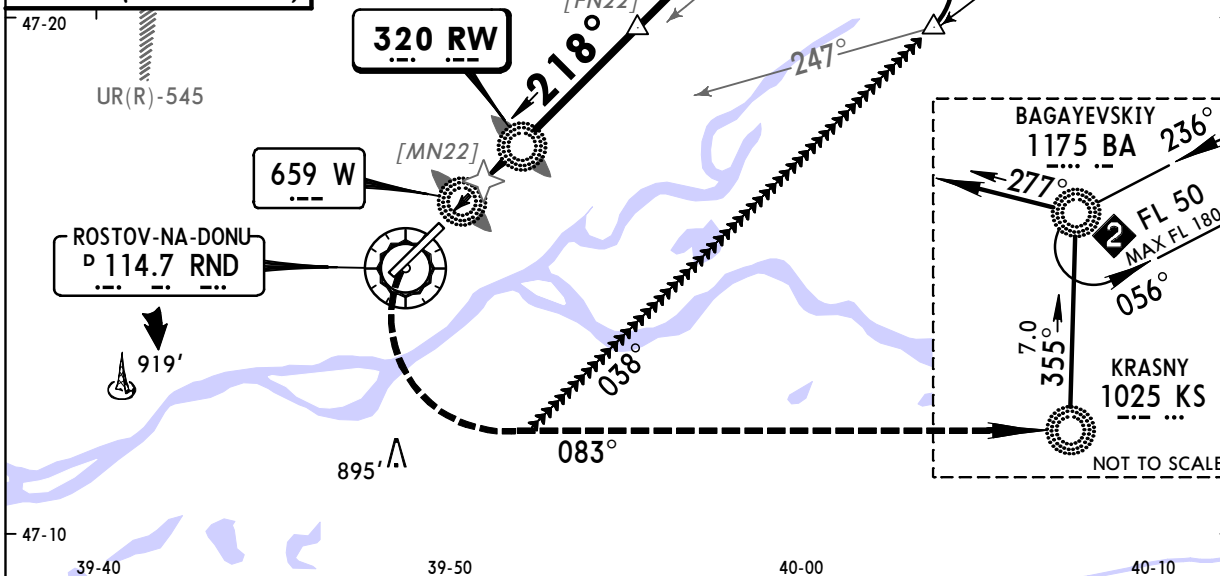
URRR/ROV
ROSTOV-NA-DONUJEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 JUN 12 (16-2) Eff 28 Jun 2 NDB or NDB Rwy 22

BRIEFING STRIP

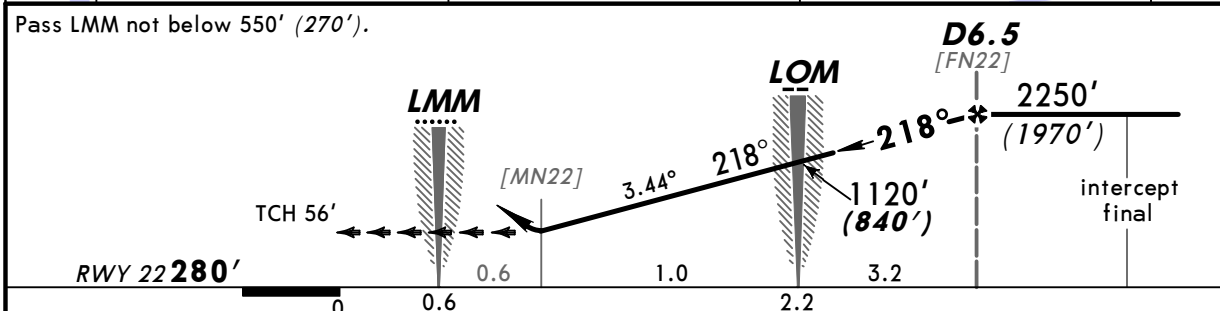
ATIS	ROSTOV Approach	ROSTOV Radar	ROSTOV Tower/Start (TWR)	Ground
121.7	128.2	121.2	119.7	119.0
NDB RW 320	Final Apch Crs 218°	Minimum Alt LOM 1120' (840')	MDA(H) Refer to Minimums Apt Elev 280' RWY 280'	2300'
MISSED APCH: Climb to 940' (660'), then turn LEFT onto 083° to KS NDB climbing to 2250' (1970'), then as directed.				MSA RND VOR
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3240' (2960')				Increased turbulence and windshear may be expected on final.

ALT/HEIGHT CONVERSION

QNH	(QFE)
3240' (2960' - 900m)	
2580' (2300' - 700m)	
2250' (1970' - 600m)	
1120' (840' - 255m)	
940' (660' - 200m)	
550' (270' - 80m)	



Pass LMM not below 550' (270').



Gnd speed-Kts	70	90	100	120	140	160	HIALS	940' (660')	083°	2250' (1970')	KS 1025
Descent Angle 3.44°	426	548	609	730	852	974			LT		

PANS OPS

2 NDB		RW NDB		With D6.5/Radar		W/o D6.5/Radar	
MDA(H) 740' (460')		MDA(H) 790' (510')		MDA(H) 790' (510')		MDA(H) 1070' (790')	
ALS out		ALS out		ALS out		ALS out	
A							
B	1200m	RVR 1800m VIS 2000m	1500m	2300m	1500m	2300m	3200m
C			RVR 1500m VIS 1600m	2400m	RVR 1500m VIS 1600m	2400m	3200m
D	RVR 1800m VIS 2000m	2400m	RVR 1800m VIS 2000m		RVR 1800m VIS 2000m		3600m

CHANGES: MSA. Bearings.

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