

List of pages in this Trip Kit

Trip Kit Index

Airport Information For URRR

Terminal Charts For URRR

Revision Letter For Cycle 13-2016

Change Notices

Notebook

General Information

Location: ROSTOV-NA-DONU RUS
ICAO/IATA: URRR / ROV
Lat/Long: N47° 15.50', E039° 49.08'
Elevation: 282 ft

Airport Use: Public
Daylight Savings: Not Observed
UTC Conversion: -3:00 = UTC
Magnetic Variation: 8.0° E

Fuel Types: Jet A-1
Repair Types: Minor Airframe, Minor Engine
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: No

Sunrise: 0124 Z
Sunset: 1720 Z

Runway Information

Runway: 04
Length x Width: 8205 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 263 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 22
Length x Width: 8205 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 281 ft
Lighting: Edge, ALS, Centerline

Communication Information

ATIS: 121.700 Non-English
ATIS: 132.400
Rostov Tower: 124.000 Secondary
Rostov Tower: 119.700
Rostov Ground: 124.000 Secondary
Rostov Ground: 119.000
Rostov Approach: 128.200
Rostov Approach: 127.100 Secondary
Rostov Approach: 124.000 Secondary
Rostov Transit Operations: 118.000 Non-English
Rostov Transit 2 Operations: 131.875 Non-English
Rostov Radar: 124.000 Secondary



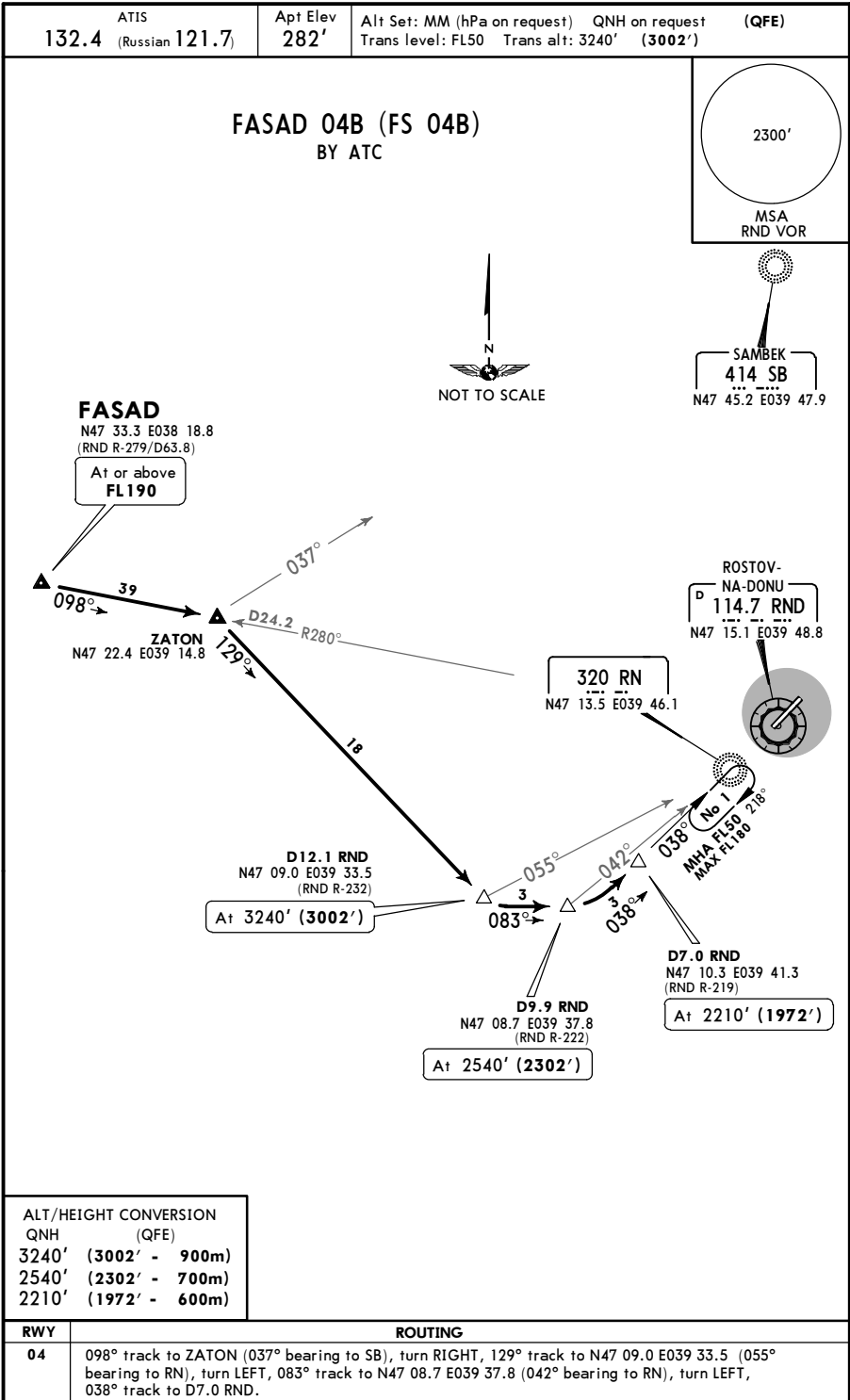
Rostov Radar: 121.200

STAR DESIGNATION	REFER TO CHART
FASAD 04B	10-2A
FASAD 22B	10-2A1
KENEN 04A	10-2B
KENEN 22A	10-2C
KONSTANTINOVSK 04A	10-2D
KONSTANTINOVSK 22A	10-2E
LATRI 04A, 04B	10-2F
LATRI 22A	10-2G
TAMAK 04A, 04B	10-2H
TAMAK 22A	10-2J
YEGORLYK 04A	10-2K
YEGORLYK 22A	10-2L
OUT OF TURN EXIT FROM HOLDING PATTERN TO APPROACH	10-2M
DM 04B	10-2P
DM 22B	10-2Q
DO 04B	10-2S
DO 22B	10-2T
GI 04B	10-2U
GI 22B	10-2V
KI 04B	10-2W
KI 22B	10-2X
TR 04B	10-2X1
TR 22B	10-2X2

--

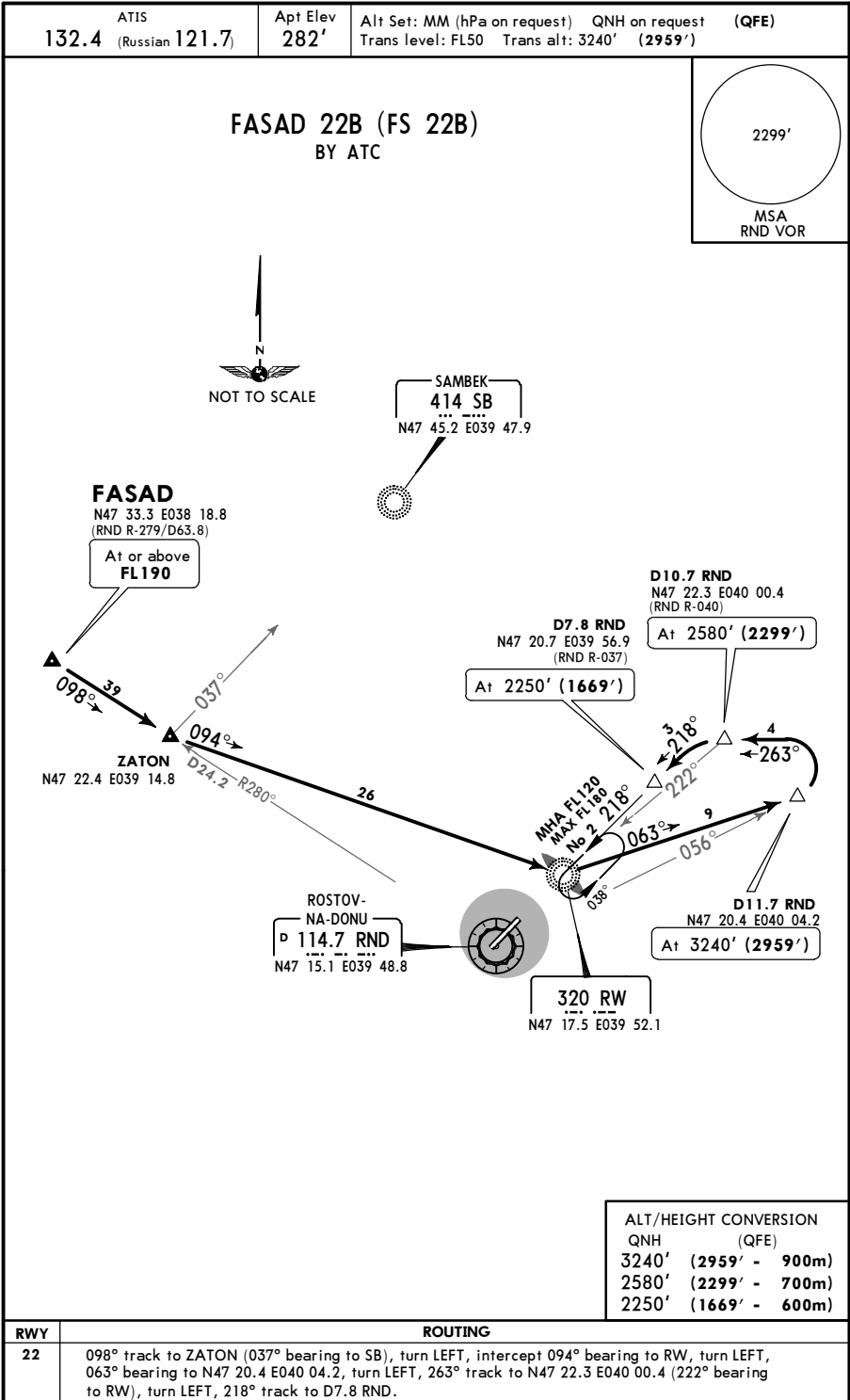
URRR/ROV
ROSTOV-NA-DONU

JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 (10-2A) Eff 28 Apr STAR



URRR/ROV
ROSTOV-NA-DONU

JEPPesen ROSTOV-NA-DONU, RUSSIA
15 APR 16 (10-2A1) Eff 28 Apr STAR

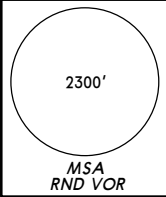


URRR/ROV
ROSTOV-NA-DONU

JEPPesen ROSTOV-NA-DONU, RUSSIA
24 MAY 13 **(10-2B)** Eff 30 May **STAR**

ATIS 132.4 (Russian 121.7)	<i>Apt Elev</i> 280'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (3003')
---	--------------------------------	--

KENEN 04 ALFA (KN 04A)
RWY 04 ARRIVAL



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

ROSTOV-NA-DONU
D (H) 114.7 RND
N47 15.1 E039 48.8

320 RN
N47 13.5 E039 46.1

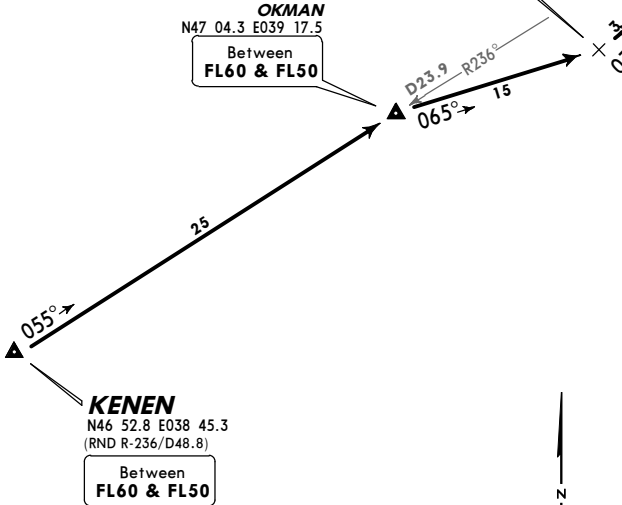
D9.3 RND
N47 08.8 E039 38.8
(RND R-220)
(039° brg to RN)

At 2210' (1973')

OKMAN
N47 04.3 E039 17.5
Between
FL60 & FL50

038°
N47 10.3 E039 41.3
(RND R-219)
At 2210' (1973')

D7.0 RND
N47 10.3 E039 41.3
(RND R-219)



ROUTING

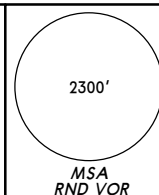
055° track to OKMAN, turn RIGHT, 065° track to N47 08.8 E039 38.8, turn LEFT, 038° track to D7.0 RND.

URRR/ROV
ROSTOV-NA-DONU

JEPPESSEN ROSTOV-NA-DONU, RUSSIA
24 MAY 13 **(10-2C)** Eff 30 May **STAR**

ATIS 132.4 (Russian 121.7)	<i>Apt Elev</i> 280'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (2960')
---	--------------------------------	--

**KENEN 22 ALFA (KN 22A)
RWY 22 ARRIVAL**



ALT/HEIGHT CONVERSION
QNH (QFE)

3240' (**2960'** - 900m)
2580' (**2300'** - 700m)
2250' (**1970'** - 600m)

D10.7 RND
N47 22.3 E040 00.4
(RND R-040)

At 2580' (**2300'**)

D7.8 RND
N47 20.7 E039 56.9
(RND R-037)

At 2250' (**1970'**)

320 RW
N47 17.5 E039 52.1

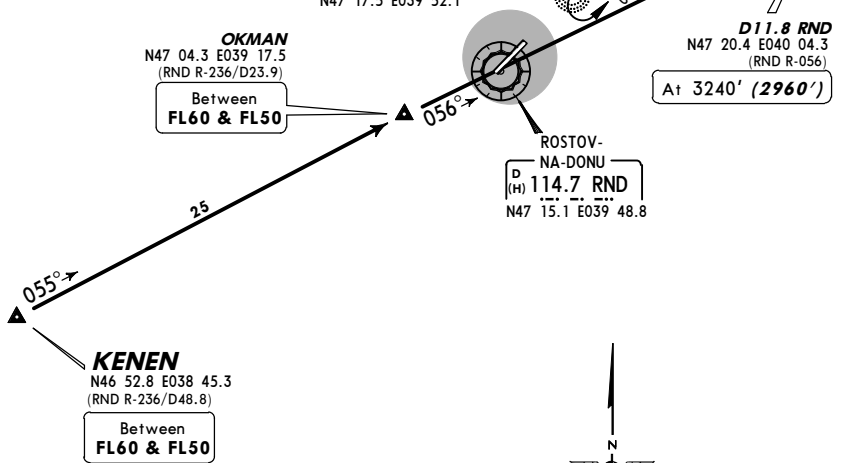
OKMAN
N47 04.3 E039 17.5
(RND R-236/D23.9)

Between
FL60 & FL50

ROSTOV-NA-DONU
D(H) 114.7 RND
N47 15.1 E039 48.8

D11.8 RND
N47 20.4 E040 04.3
(RND R-056)

At 3240' (**2960'**)

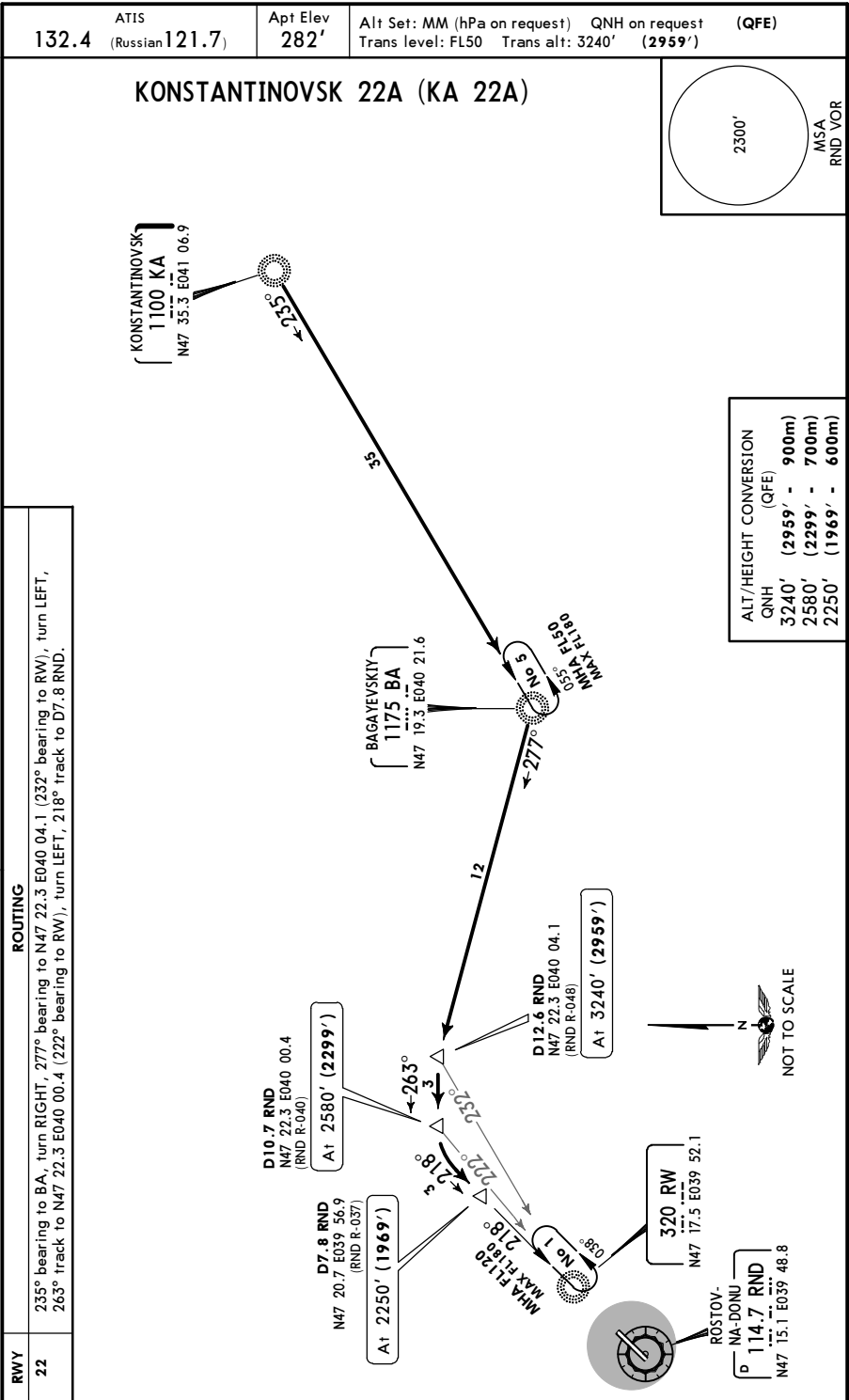


ROUTING

055° track to OKMAN, turn RIGHT, 056° track to N47 20.4 E040 04.3, turn LEFT, 263° track to N47 22.3 E040 00.4, turn LEFT, 218° track to D7.8 RND.

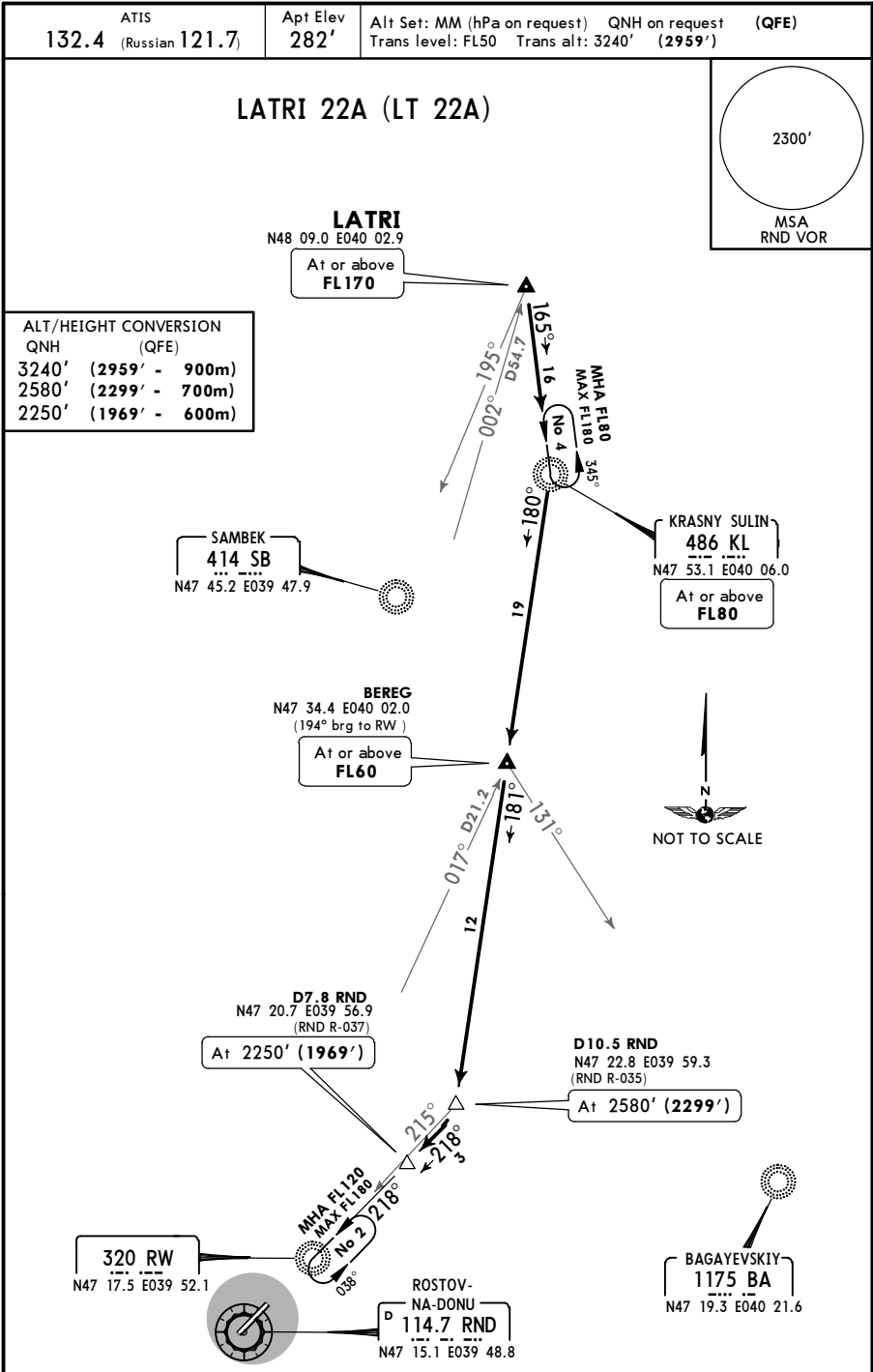
URRR/ROV
ROSTOV-NA-DONU

JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 10-2E Eff 28 Apr STAR



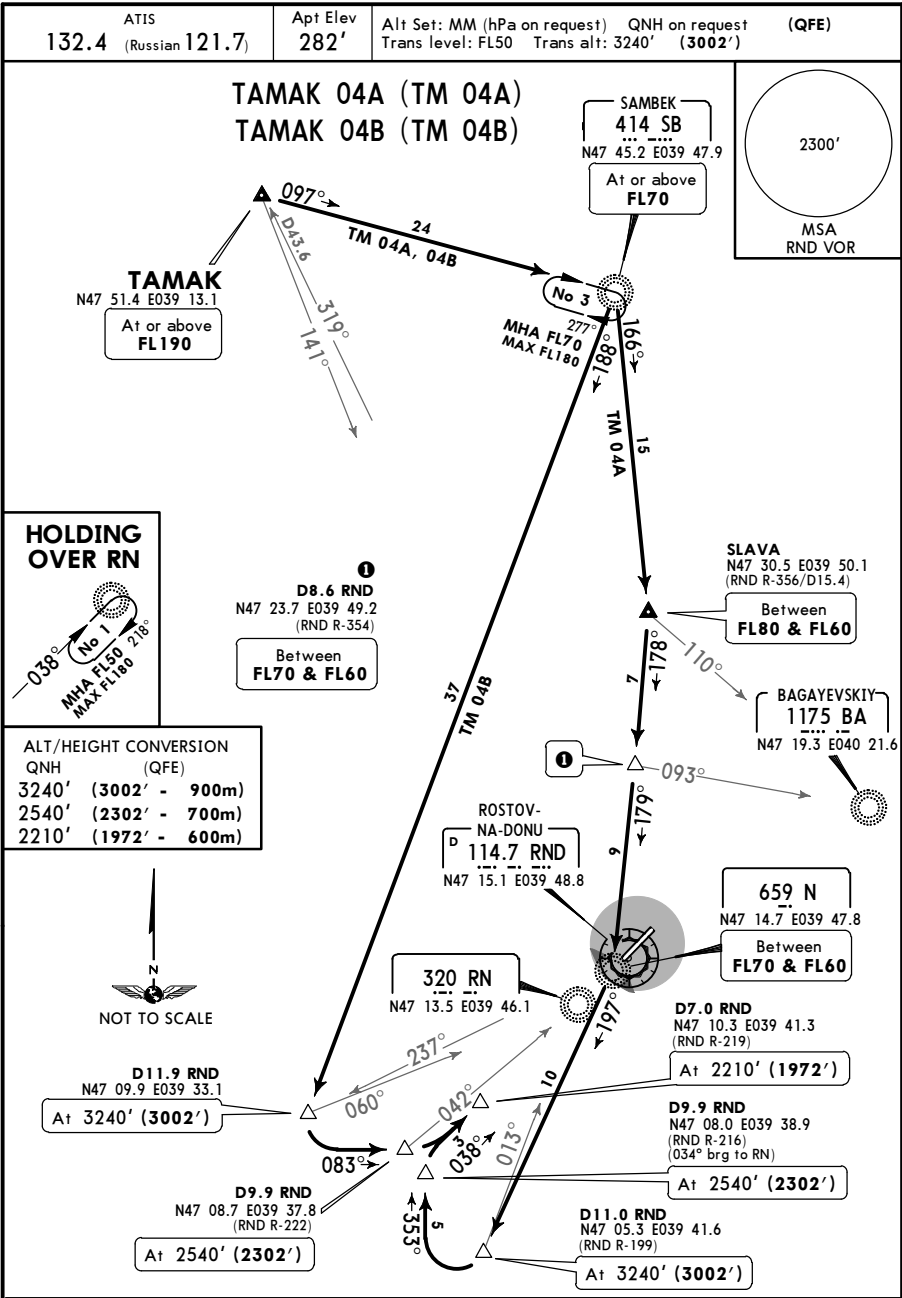
URRR/ROV
ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 10-2G Eff 28 Apr STAR



URRR/ROV
ROSTOV-NA-DONU

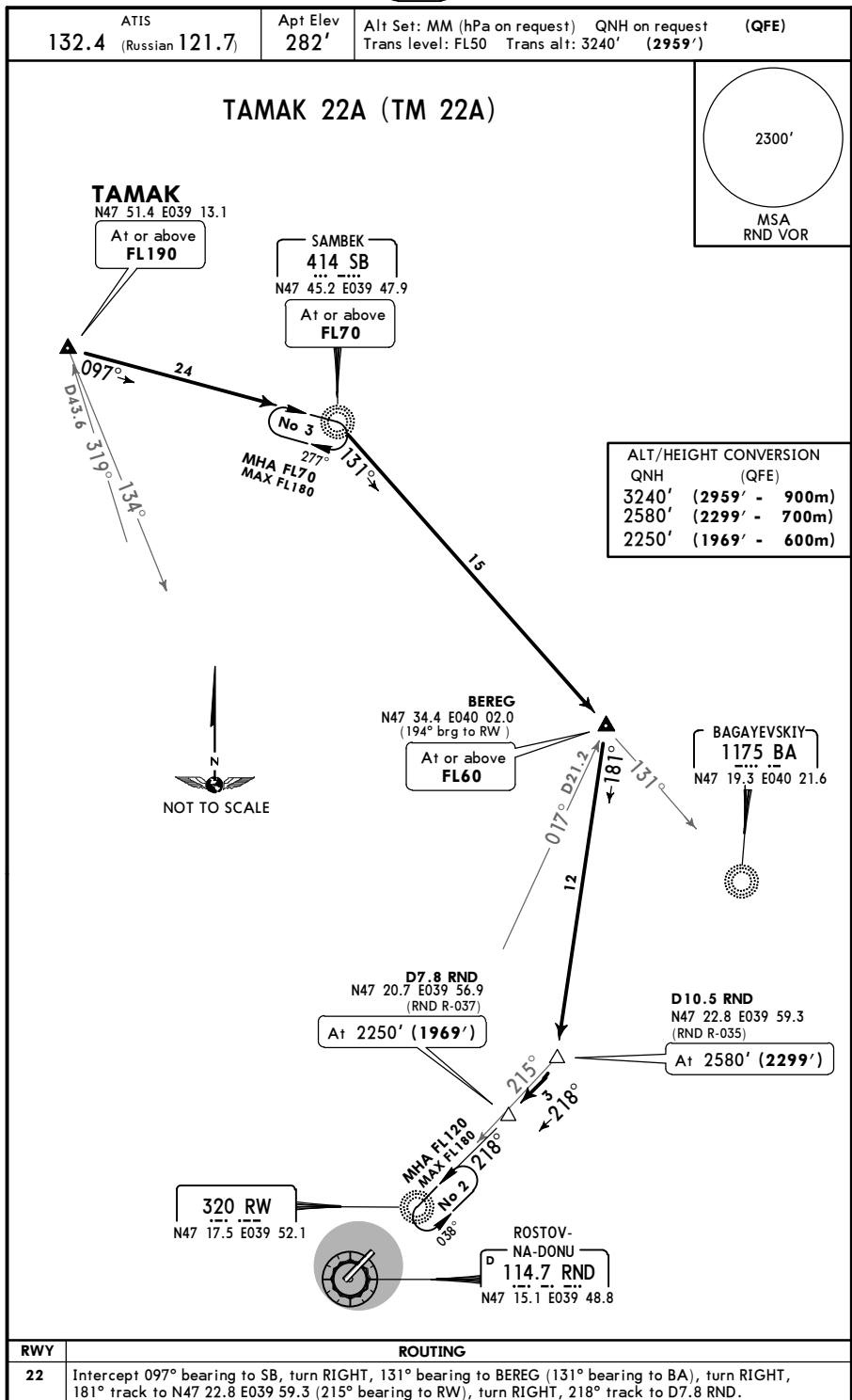
JEPPESEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 (10-2H) Eff 28 Apr STAR



STAR	RWY	ROUTING
TM 04A	04	Intercept 097° bearing to SB, turn RIGHT, 166° bearing to SLAVA (110 bearing to BA), turn RIGHT, 178° track to N47 23.7 E039 49.2 (093° bearing to BA), intercept 179° bearing to N, turn RIGHT, 197° bearing to N47 05.3 E039 41.6 (013° bearing to RN), turn RIGHT, 353° track to N47 08.0 E039 38.9 (034° bearing to RN), turn RIGHT, 038° track to D7.0 RND.
TM 04B By ATC		Intercept 097° bearing to SB, turn RIGHT, 188° bearing to N47 09.9 E039 33.1 (060° bearing to RN), turn LEFT, 083° track to N47 08.7 E039 37.8 (042° bearing to RN), turn LEFT, 038° track to D7.0 RND.

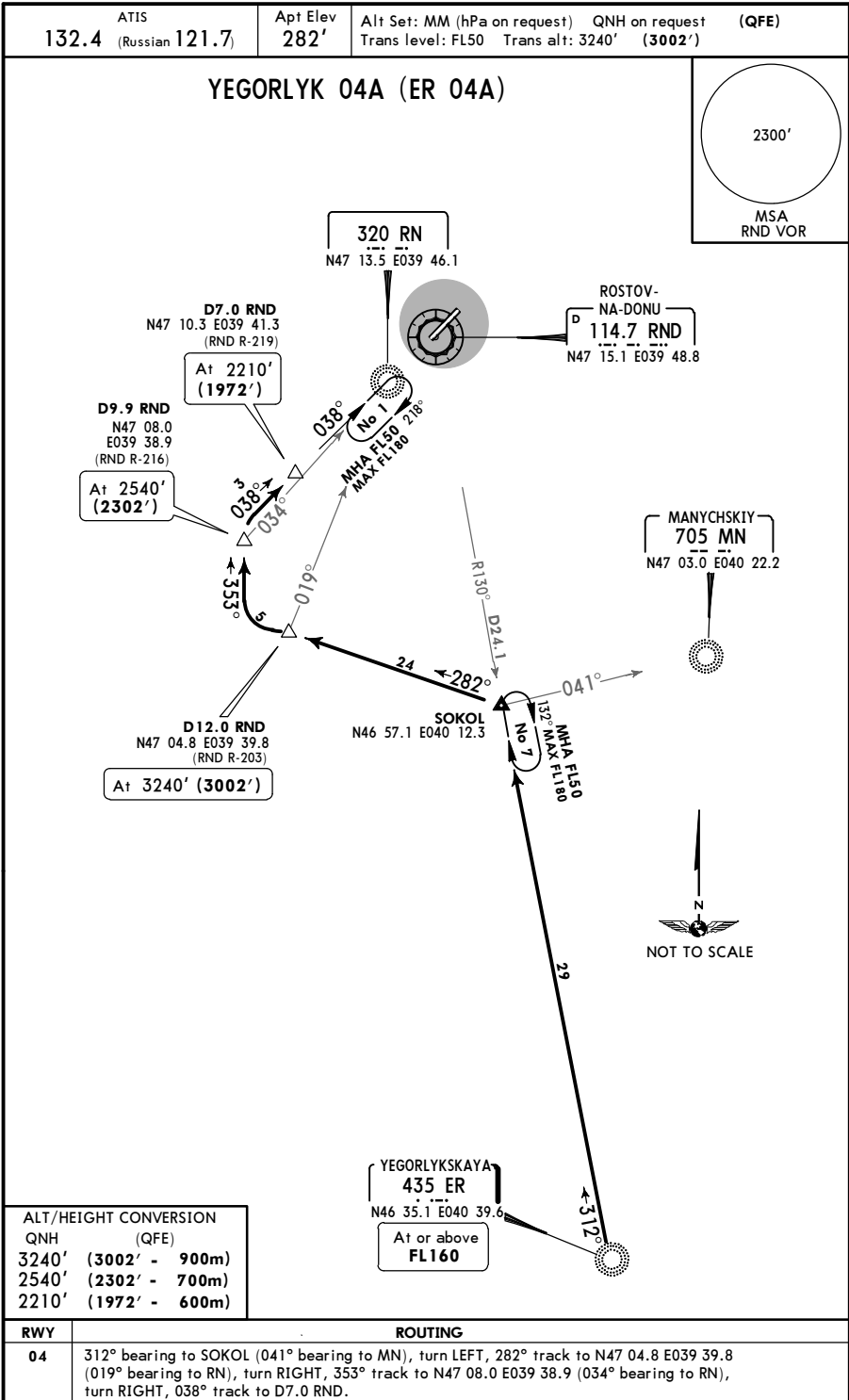
URRR/ROV
ROSTOV-NA-DONU

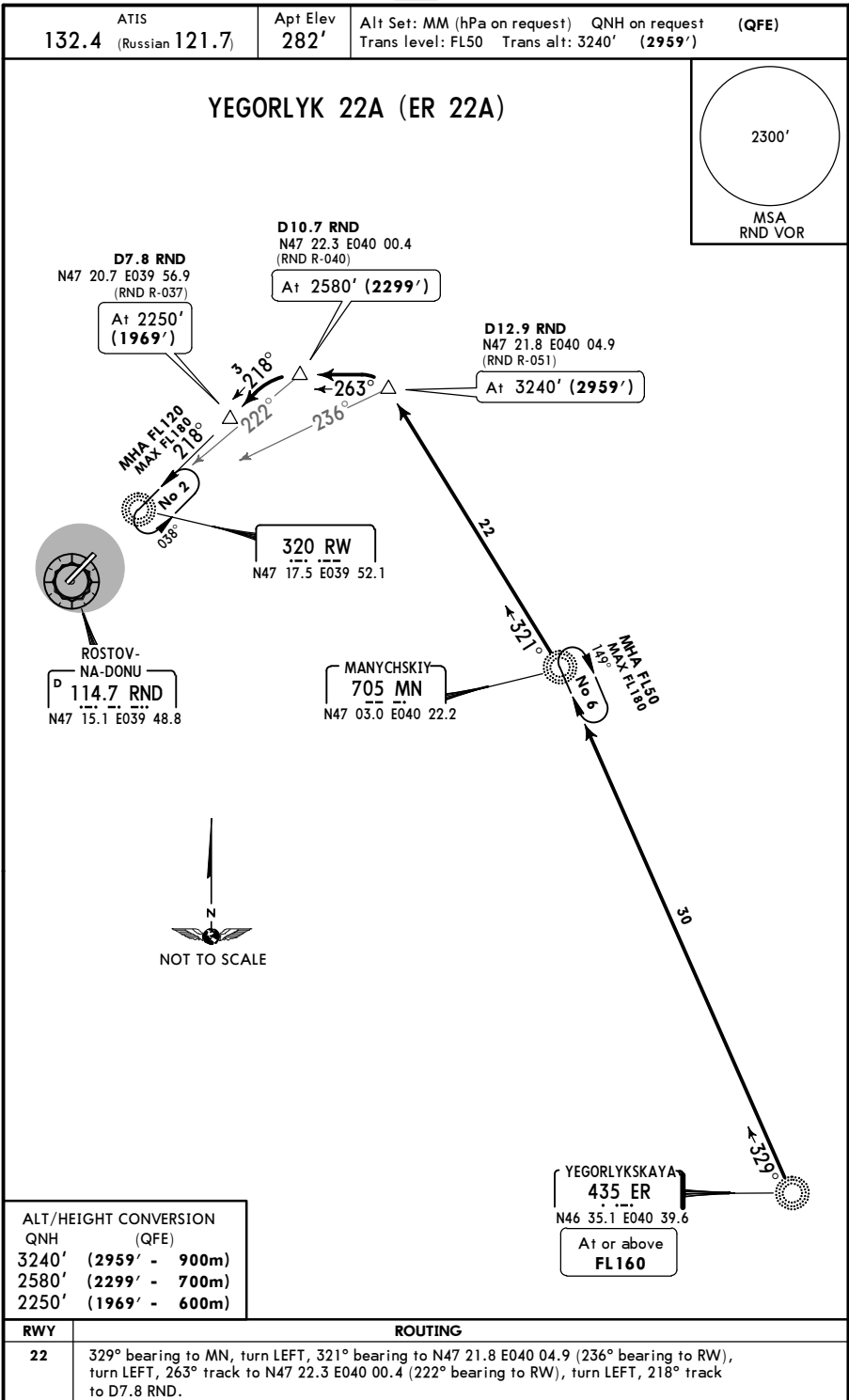
JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 **(10-2J)** **Eff 28 Apr** **STAR**



URRR/ROV
ROSTOV-NA-DONU

JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 10-2K Eff 28 Apr STAR



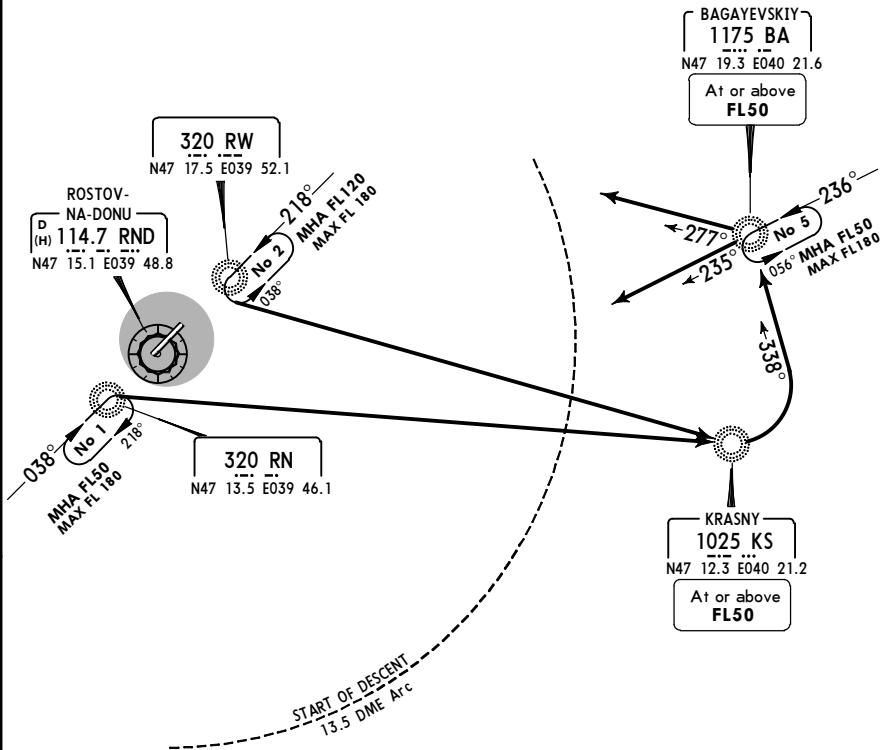
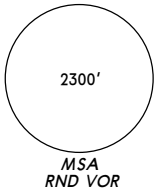


URRR/ROV
ROSTOV-NA-DONU

JEPPesen ROSTOV-NA-DONU, RUSSIA
8 MAR 13 (10-2M) STAR

ATIS 132.4 (Russian 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.
-------------------------------	------------------	--

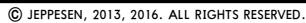
OUT-OF-TURN EXIT FROM
HOLDING PATTERN TO APPROACH
RWYS 04, 22



Direct distance to
Rostov-Na-Donu Apt from:
BA 22NM



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



© JEPPESEN, 2013. ALL RIGHTS RESERVED.

URRR/ROV
ROSTOV-NA-DONU

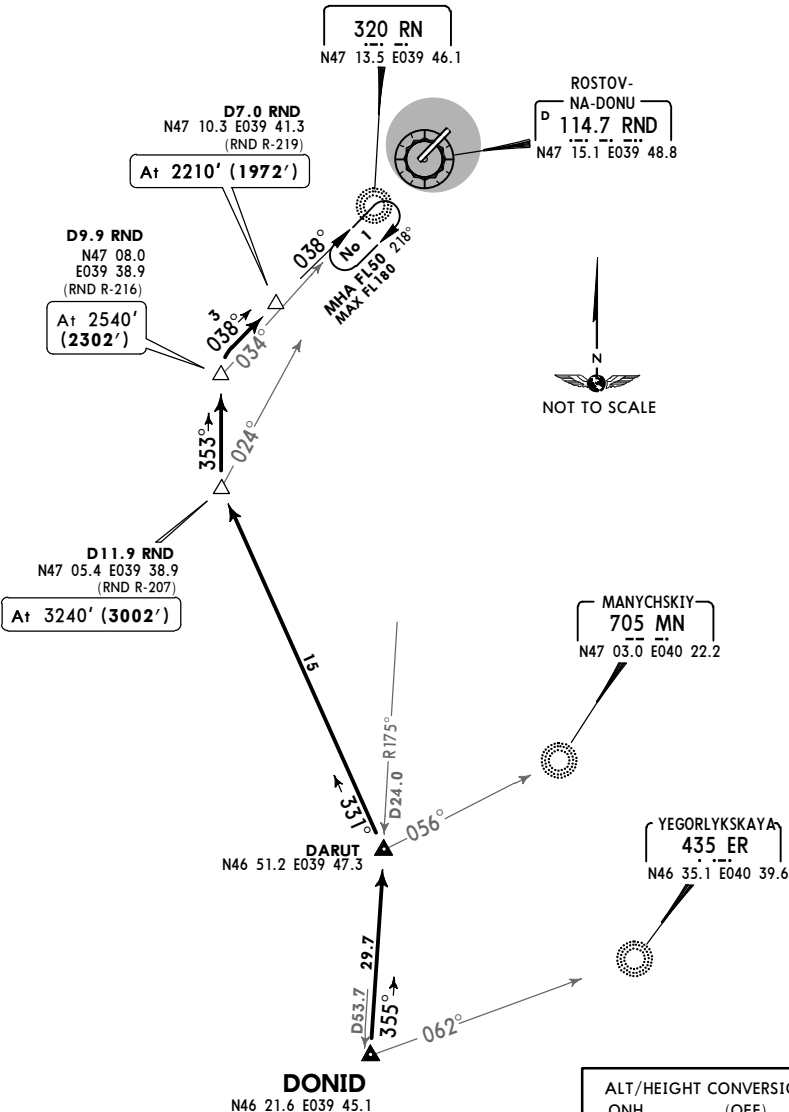
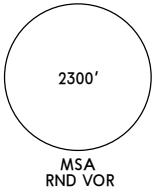
JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 **10-2S** Eff 28 Apr **STAR**

ATIS
132.4
(Russian 121.7)

Apt Elev
282'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL50 Trans alt: 3240' (3002')

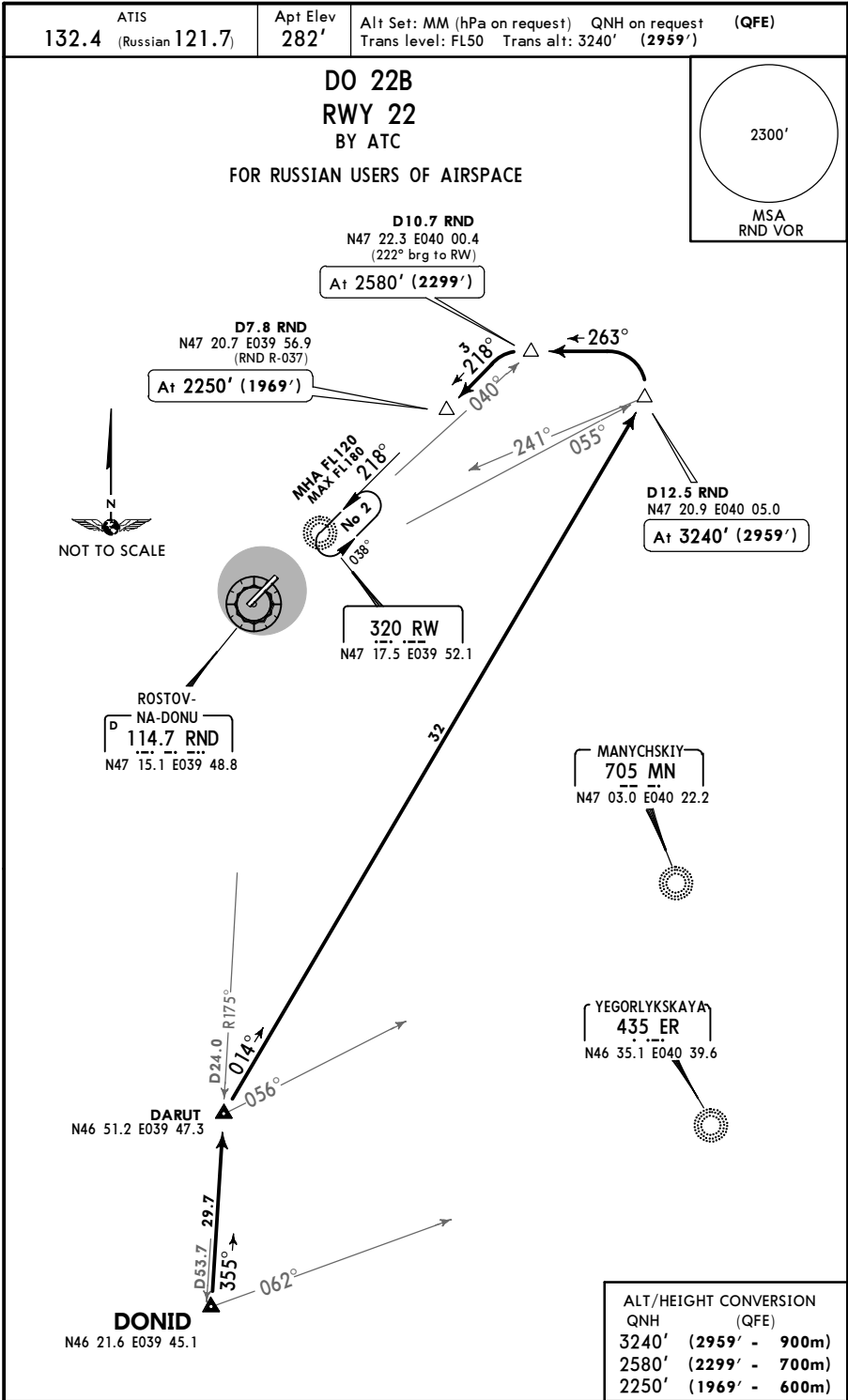
DO 04B
RWY 04
BY ATC
FOR RUSSIAN USERS OF AIRSPACE



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3240'	(3002' - 900m)
2540'	(2302' - 700m)
2210'	(1972' - 600m)

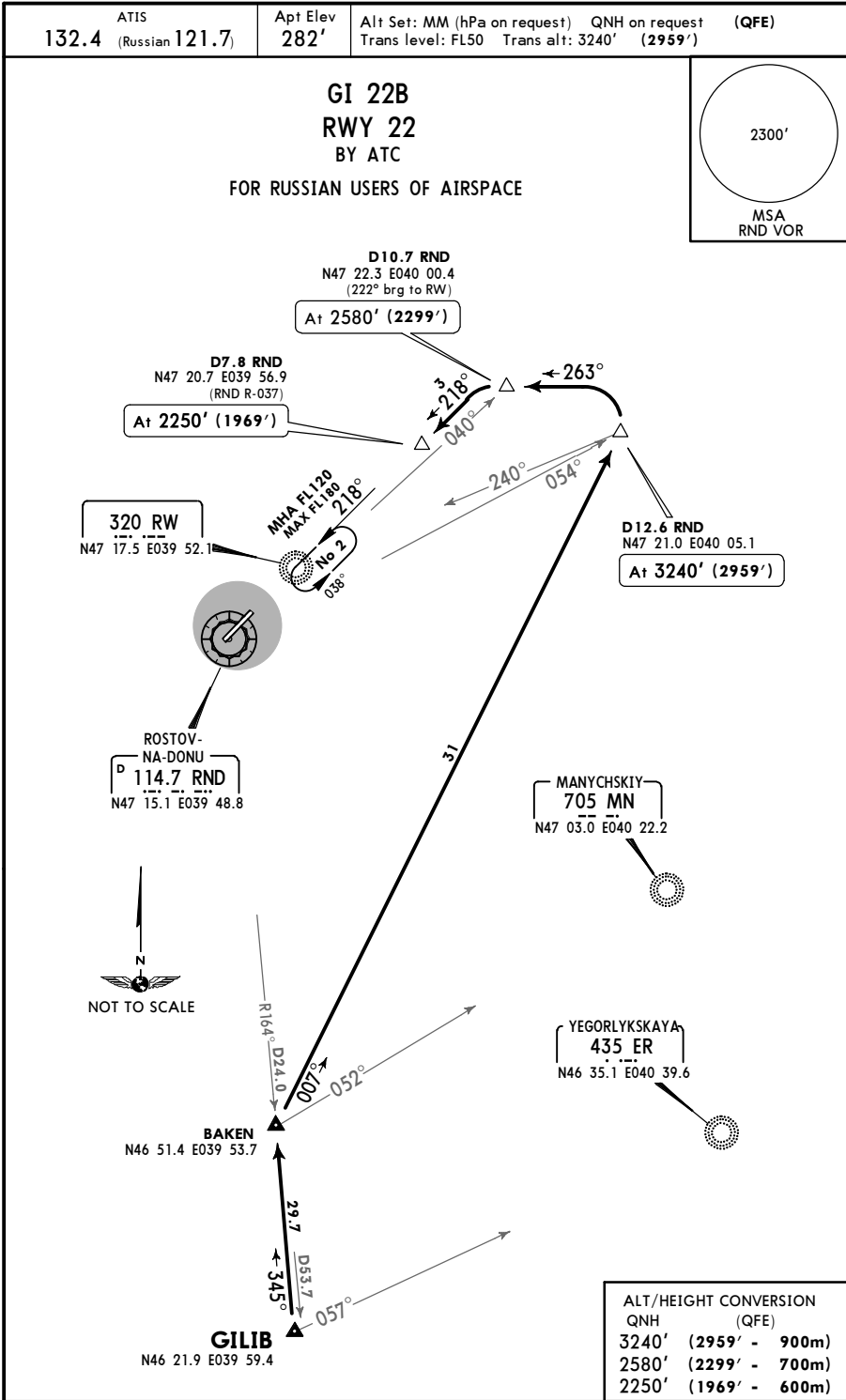
URRR/ROV
ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 10-2T Eff 28 Apr STAR



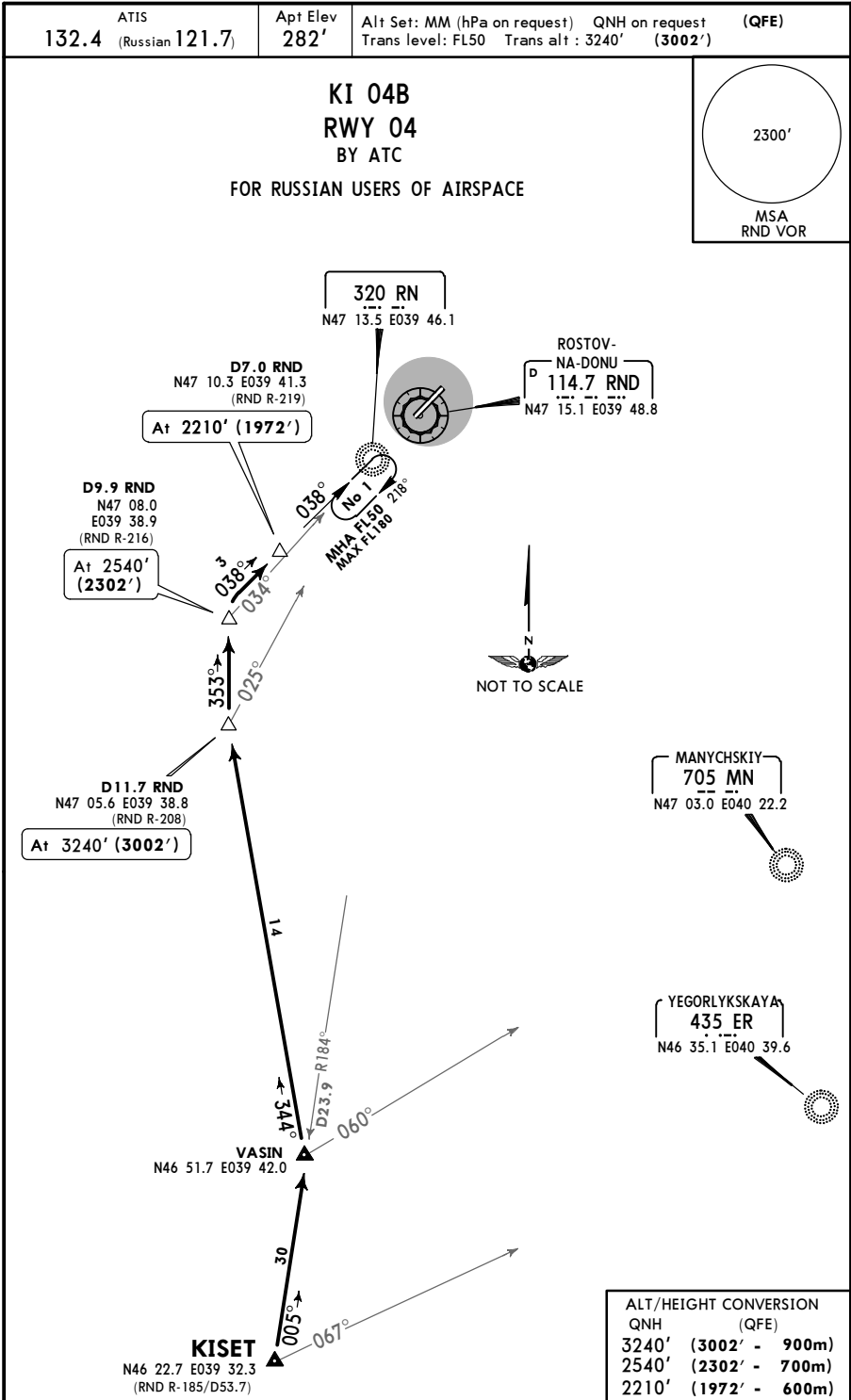
URRR/ROV
ROSTOV-NA-DONU

JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 10-2V Eff 28 Apr STAR



URRR/ROV
ROSTOV-NA-DONU

JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 **10-2W** Eff 28 Apr **STAR**



© JEPPESEN, 2013. ALL RIGHTS RESERVED.

SID DESIGNATION	REFER TO CHART
DERIB 2A, 2B	10-3A
DERIB 2D, 2G	10-3A1
FASAD 1B	10-3B
FASAD 2B	10-3C
GINSA 1A	10-3D
GINSA 2A	10-3E
KENEN 1A	10-3F
KENEN 2A	10-3G
KONSTANTINOVSK 1A	10-3H
KONSTANTINOVSK 2A	10-3J
KRASNY SULIN 1A, 1B	10-3K
YEGORLYK 1A	10-3M
YEGORLYK 2A	10-3N
DM 1B	10-3P
DM 2B	10-3Q
DO 1B	10-3S
DO 2B	10-3T
GI 1B	10-3U
GI 2B	10-3V
KI 1B	10-3W
KI 2B	10-3X
TR 1B	10-3X1
TR 2B	10-3X2

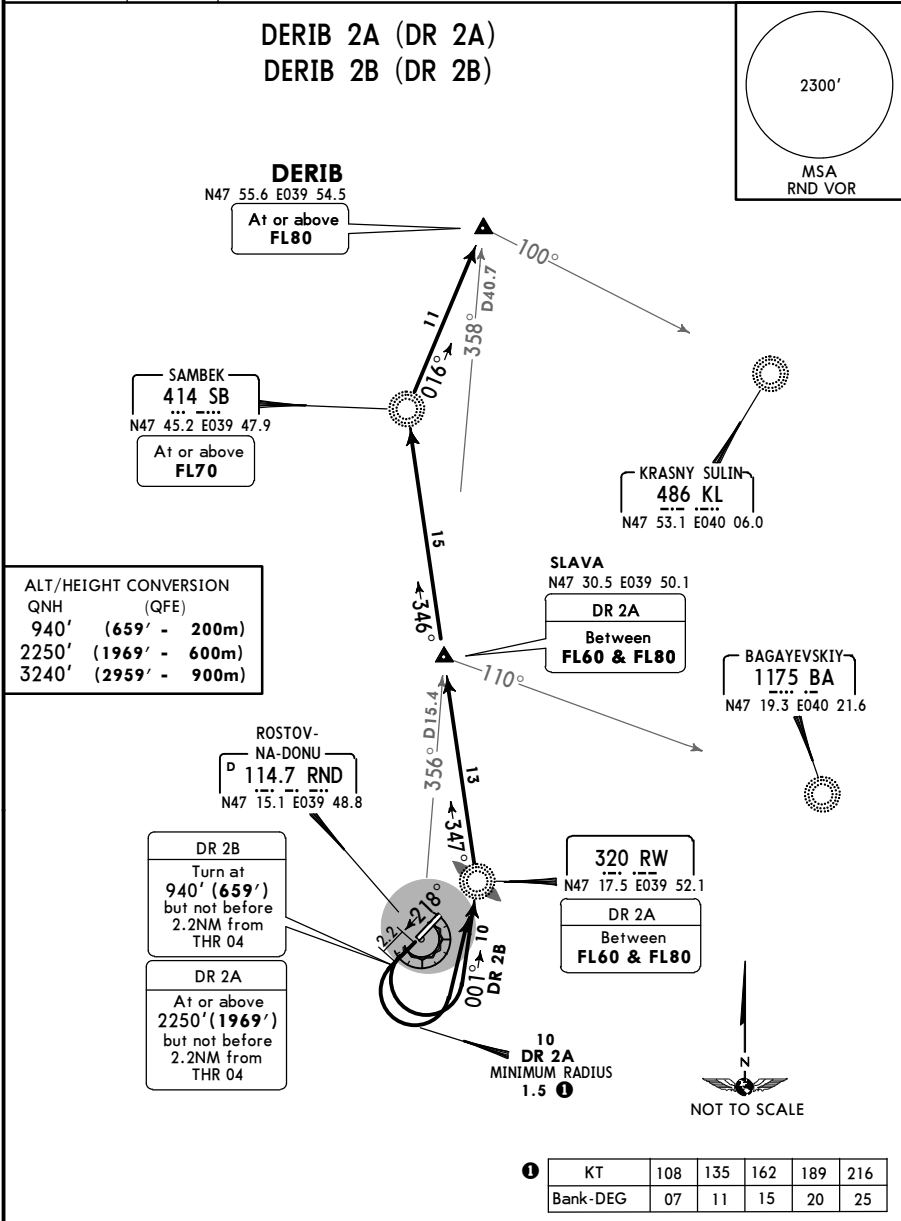
--

URRR/ROV
ROSTOV-NA-DONU

JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 10-3A Eff 28 Apr

SID

ROSTOV Radar 121.2	Apt Elev 282'	QNH on request (QFE)	Trans level: FL50	Trans alt: 3240' (2959')
		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.		



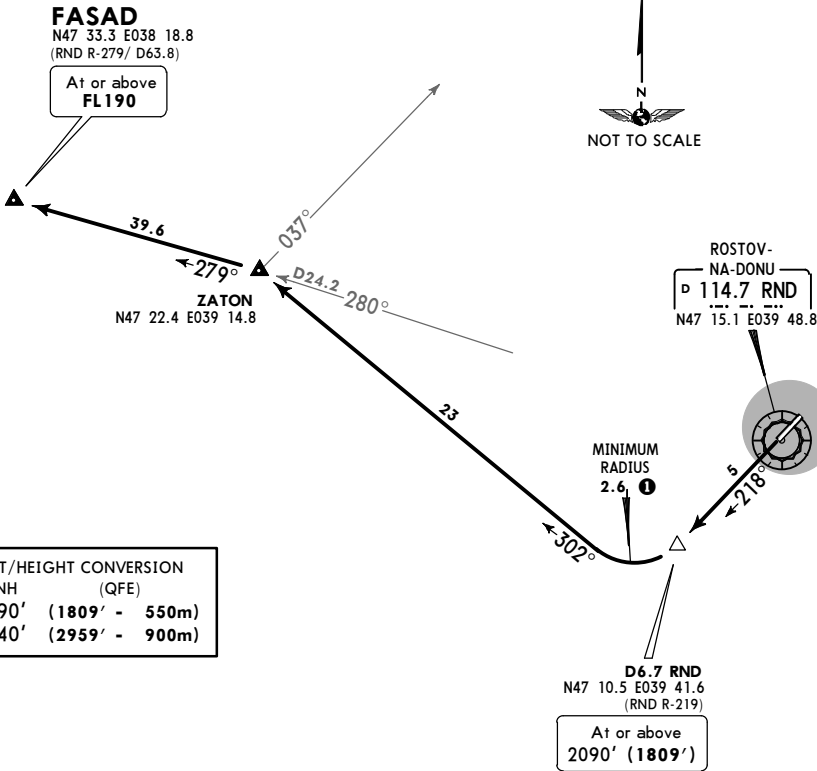
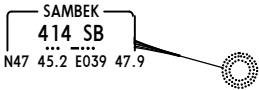
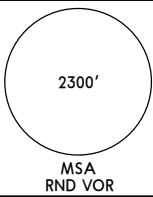
SID	RWY	ROUTING
DR 2A	22	Climb straight ahead, at or above 2250' (1969') turn LEFT to RW, turn LEFT, 347° bearing to SLAVA (110° bearing to BA), then to SB, turn RIGHT, 016° bearing to DERIB (100° bearing to KL).
DR 2B By ATC		Climb straight ahead to 940' (659'), turn LEFT, intercept 001° bearing to RW, turn LEFT, 347° bearing to SLAVA, then to SB, turn RIGHT, 016° bearing to DERIB (100° bearing to KL).

URRR/ROV
ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 10-3C Eff 28 Apr SID

ROSTOV Radar 121.2	Apt Elev 282'	QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (2959') 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.
-----------------------	------------------	---

FASAD 2B (FS 2B)
BY ATC



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2090' (1809' - 550m)	
3240' (2959' - 900m)	

This SID requires a minimum climb gradient of 4.5%.

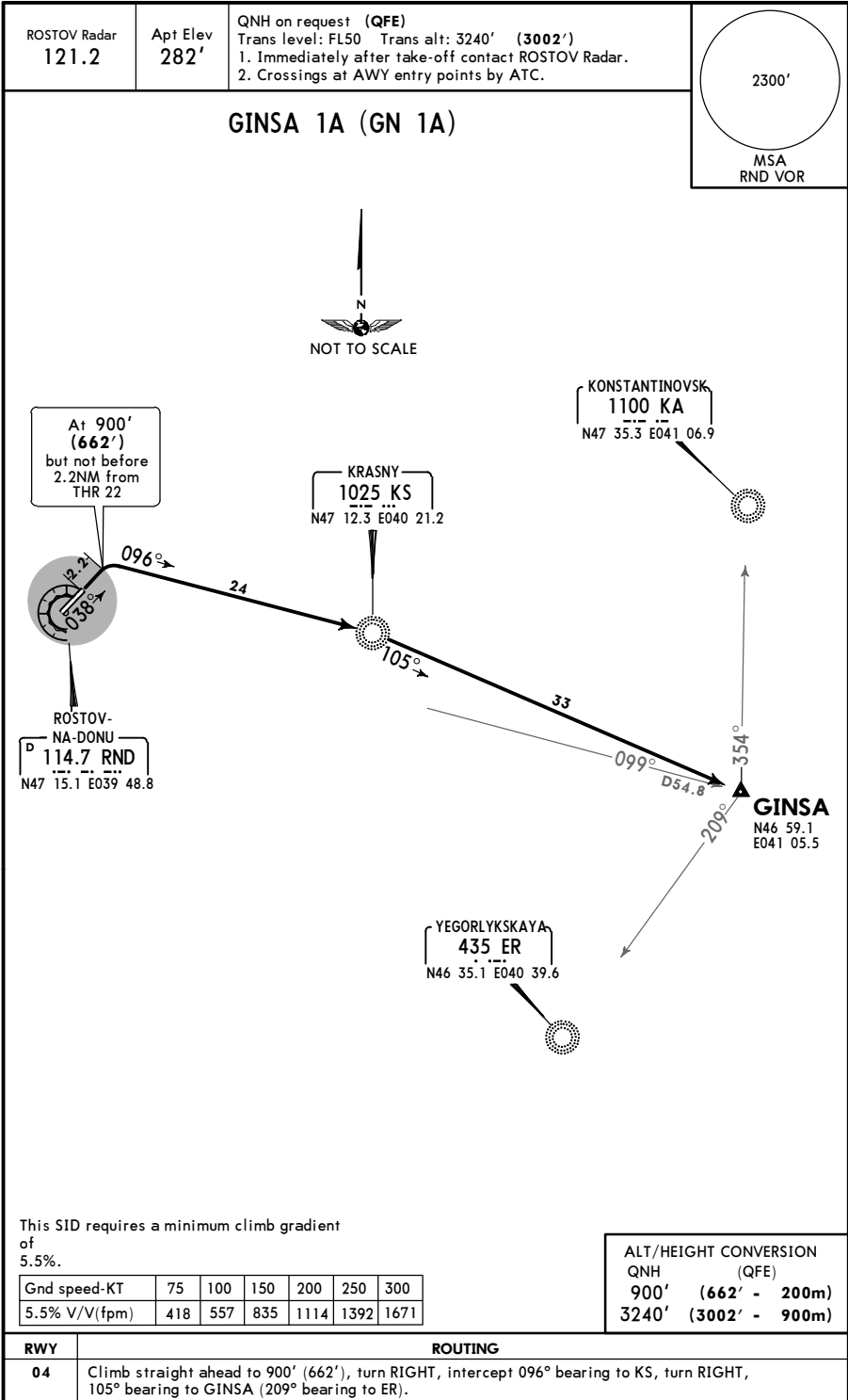
Gnd speed-KT	75	100	150	200	250	300
4.5% V/V (fpm)	342	456	684	911	1139	1367

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

RWY	ROUTING
22	Climb straight ahead, at or above 2090' (1809), turn RIGHT 302° track to ZATON (037° bearing to SB), turn LEFT, 279° track to FASAD.

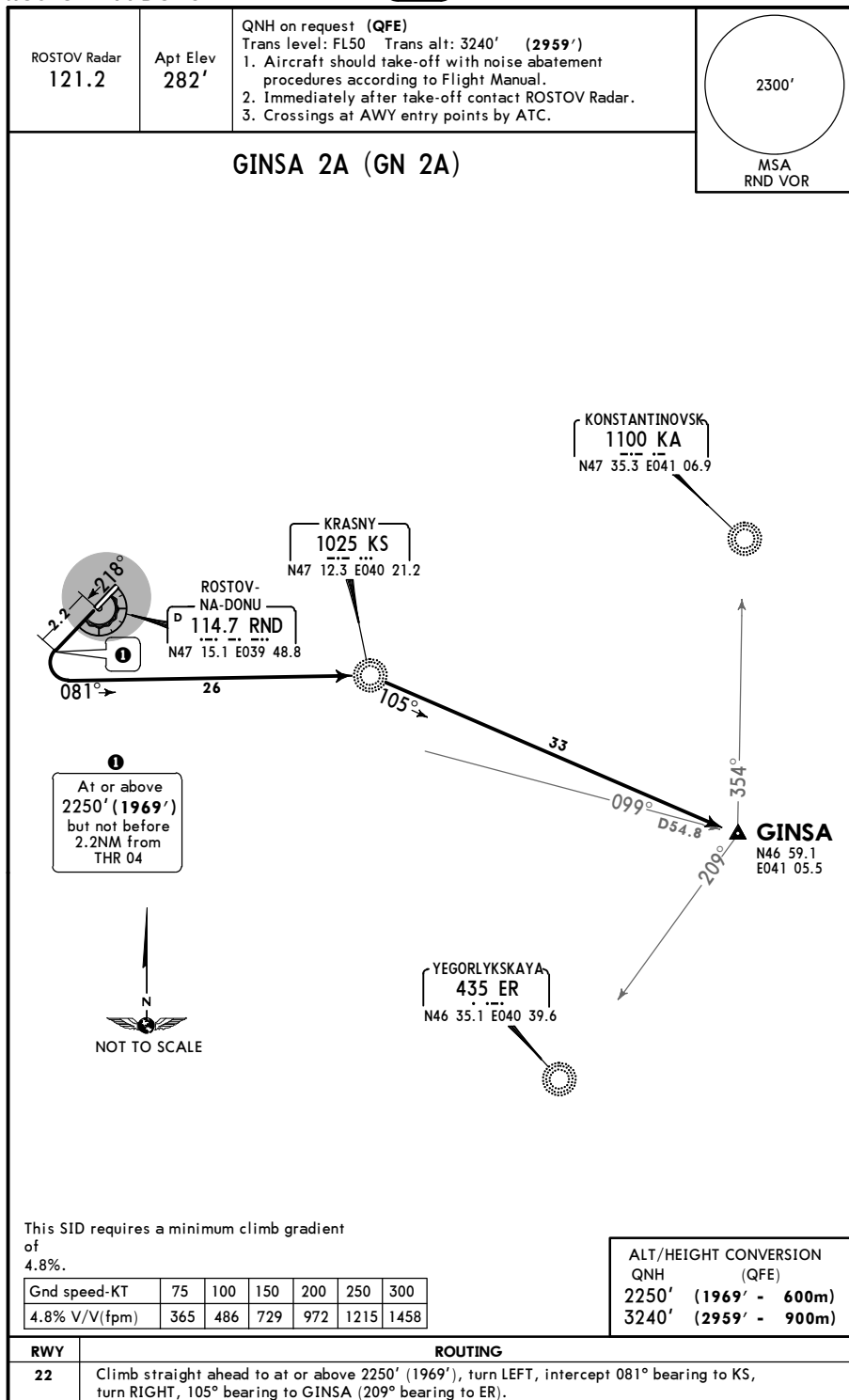
URRR/ROV
ROSTOV-NA-DONU

JEPPES ROSTOV-NA-DONU, RUSSIA
15 APR 16 **(10-3D)** Eff 28 Apr **SID**



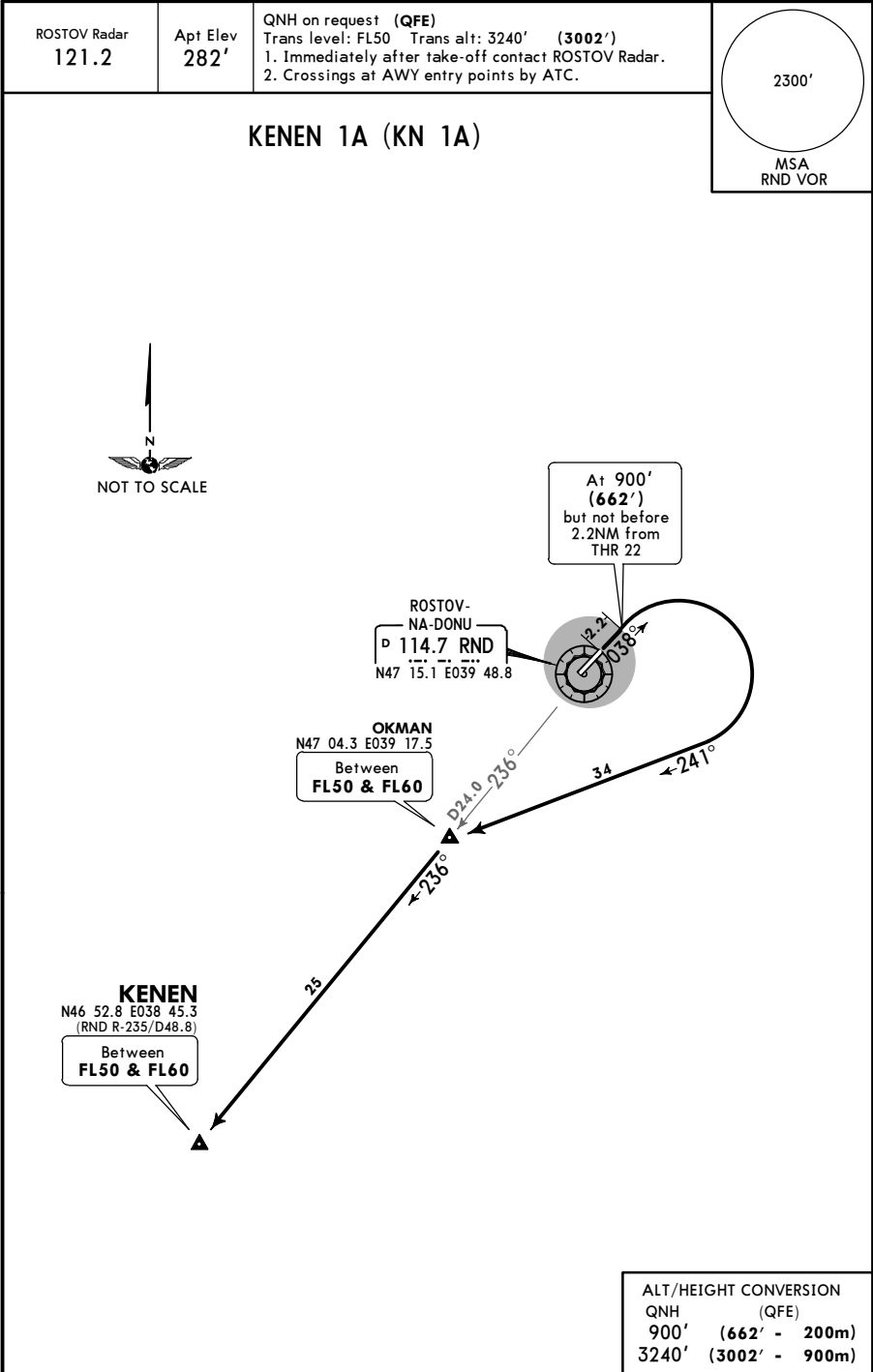
URRR/ROV
ROSTOV-NA-DONU

JEPPesen ROSTOV-NA-DONU, RUSSIA
15 APR 16 **(10-3E)** Eff 28 Apr **SID**



URRR/ROV
ROSTOV-NA-DONU

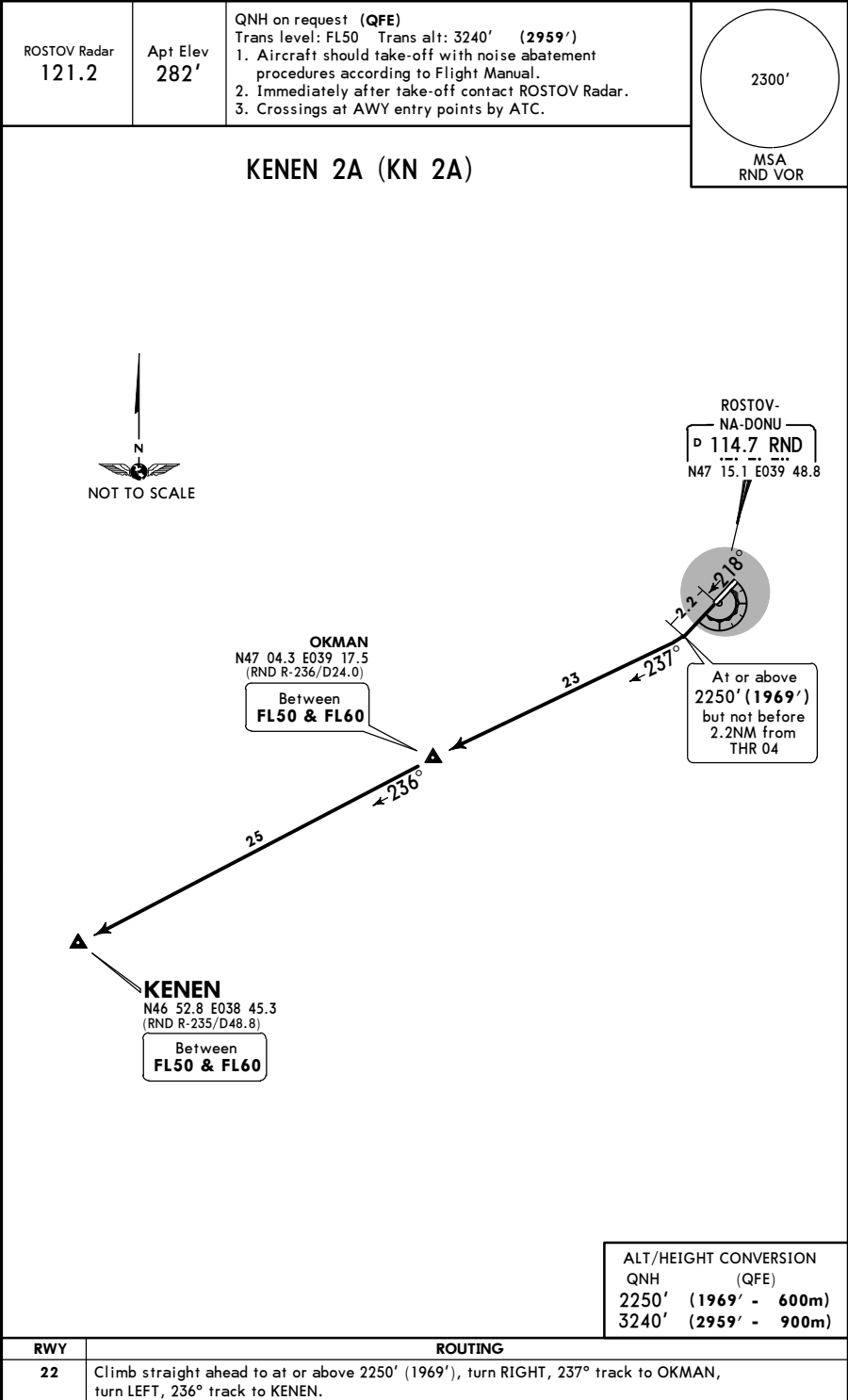
JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 **10-3F** Eff 28 Apr **SID**



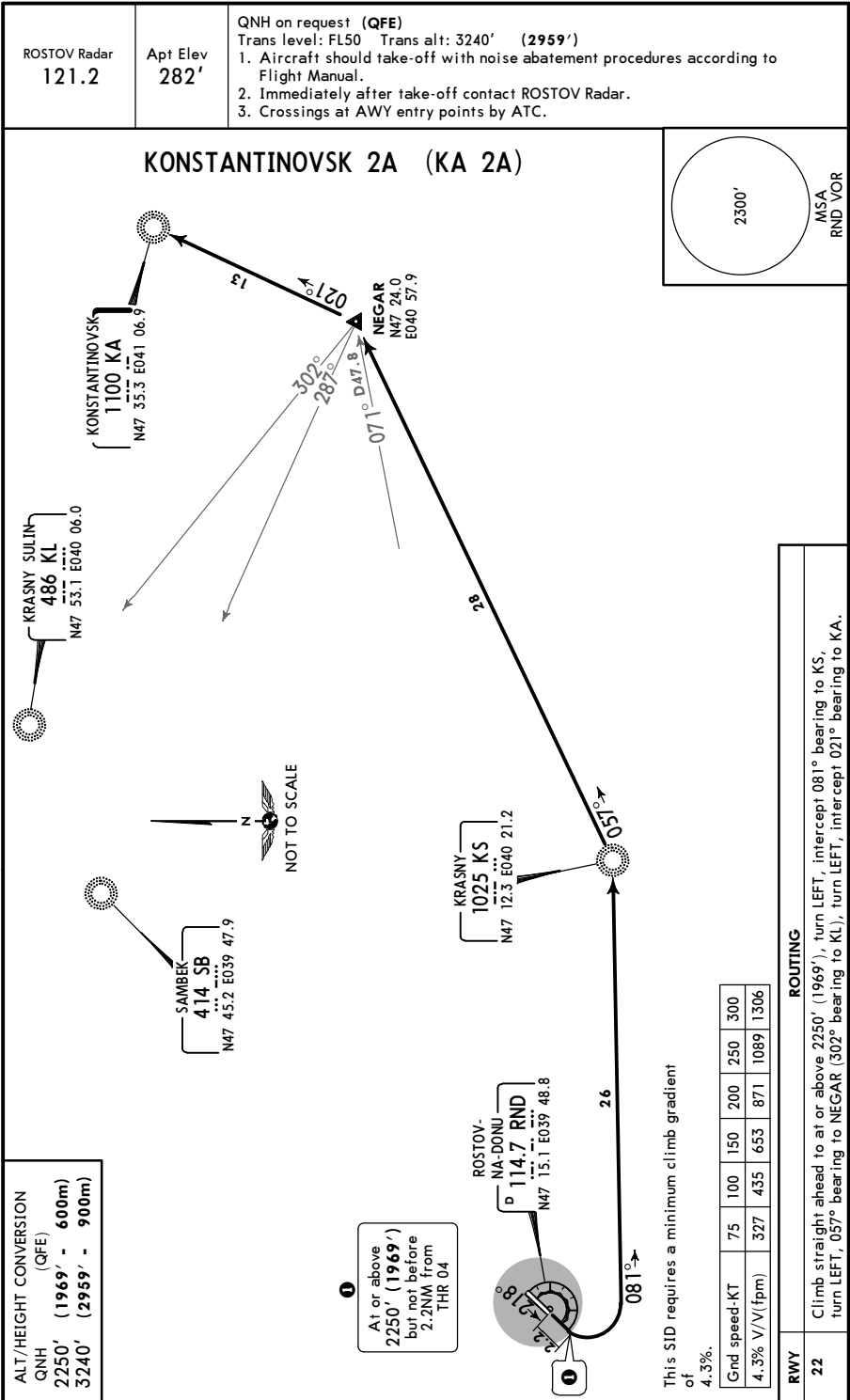
URRR/ROV
ROSTOV-NA-DONU

JEPPesen ROSTOV-NA-DONU, RUSSIA
15 APR 16 (10-3G) Eff 28 Apr

SID



© JEPPESEN, 2013, 2016. ALL RIGHTS RESERVED.



URRR/ROV
ROSTOV-NA-DONU

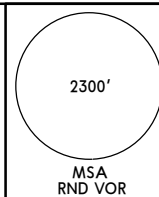
JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 10-3K Eff 28 Apr SID

ROSTOV Radar
121.2

Apt Elev
282'

QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (3002')
1. Immediately after take-off contact ROSTOV Radar.
2. Crossings at AWY entry points by ATC.

KRASNY SULIN 1A (KL 1A)
KRASNY SULIN 1B (KL 1B)



KRASNY SULIN
486 KL
N47 53.1 E040 06.0
At or above
FL80

BEREG
N47 34.4 E040 02.0
(RND R-017/D21.2)
At or above
FL60

KL 1B
At 900' (662')
but not before
2.2NM from
THR 22

D8.4 RND
N47 21.1 E039 57.4
(RND R-037)
At or above
2540' (2302')

ALT/HEIGHT CONVERSION	
QNH	(QFE)
900'	(662' - 200m)
2540'	(2302' - 700m)
3240'	(3002' - 900m)

BAGAYEVSKIY
1175 BA
N47 19.3 E040 21.6

MANYCHSKIY
705 MN
N47 03.0 E040 22.0

ROSTOV-
NA-DONU
D 114.7 RND
N47 15.1 E039 48.8

KL 1A

This SID requires a minimum climb gradient
of
4.1% until passing BEREG.

Gnd speed-KT	75	100	150	200	250	300
4.1% V/V(fpm)	311	415	623	830	1038	1246

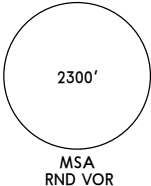
SID	RWY	ROUTING
KL 1A	04	Climb straight ahead to at or above 2540' (2302'), at D8.4 RND (130° bearing to MN) turn LEFT, 005° track to BEREG (131° bearing to BA), turn LEFT, intercept 360° bearing to KL.
KL 1B By ATC		Climb straight ahead to 900' (662'), turn LEFT, 015° track to BEREG (131° bearing to BA), turn LEFT, intercept 360° bearing to KL.

CHANGES: Initial climb revised.

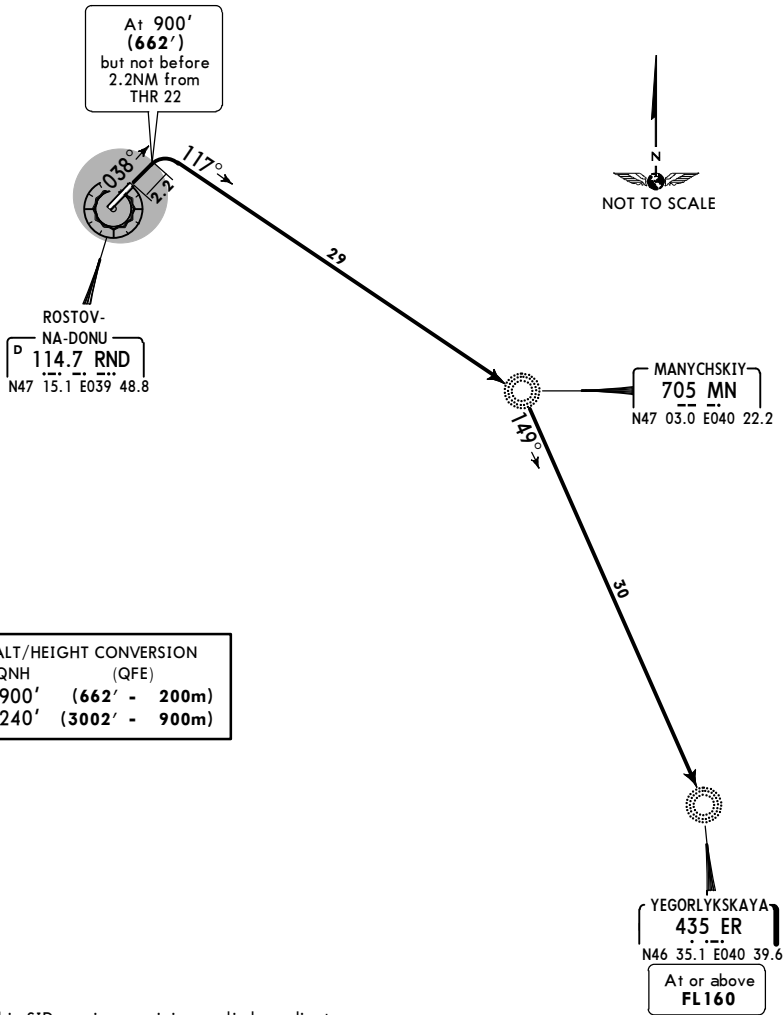
URRR/ROV
ROSTOV-NA-DONU

JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 **(10-3M)** Eff 28 Apr **SID**

ROSTOV Radar 121.2	Apt Elev 282'	QNH on request (QFE) Trans level: FL50 Trans alt: 3240' (3002') 1. Immediately after take-off contact ROSTOV Radar. 2. Crossings at AWY entry points by ATC.
-----------------------	------------------	---



YEGORLYK 1A (ER 1A)



ALT/HEIGHT CONVERSION
QNH (QFE)
900' (662' - 200m)
3240' (3002' - 900m)

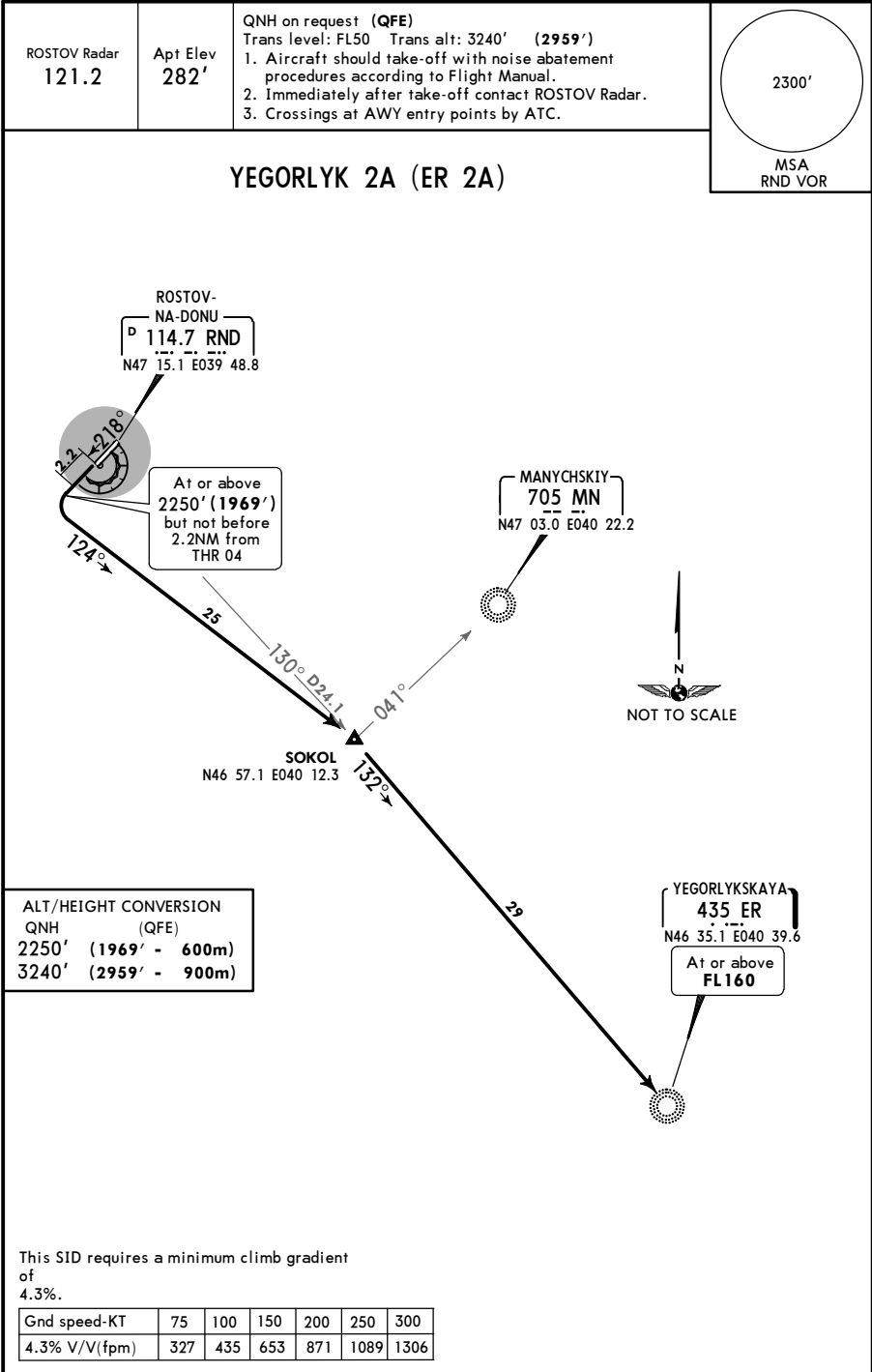
This SID requires a minimum climb gradient of 4.2%.

Gnd speed-KT	75	100	150	200	250	300
4.2% V/V(fpm)	319	425	638	851	1063	1276

RWY	ROUTING
04	Climb straight ahead to 900' (662'), turn RIGHT, intercept 117° bearing to MN, turn RIGHT, 149° bearing to ER.

URRR/ROV
ROSTOV-NA-DONU

JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 **(10-3N)** Eff 28 Apr **SID**



URRR/ROV
ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 (10-3P) Eff 28 Apr

SID

ROSTOV Radar
121.2

Apt Elev
282'

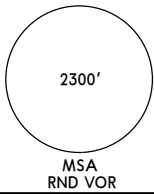
QNH on request (QFE)
Trans alt: 3240' (3002')

Trans level: FL50

1. Immediately after take-off contact ROSTOV Radar.
2. Crossings at AWY entry points by ATC.

DM 1B
RWY 04
BY ATC

FOR RUSSIAN USERS OF AIRSPACE



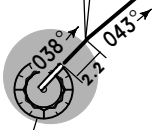
DOKIM

N47 50.0 E040 50.6
(RND R-042/D54.5)

KAZAK
N47 31.0 E040 16.6
(RND R-042/D24.7)

KONSTANTINOVSK
1100 KA
N47 35.3 E041 06.9

At 900'
(662')
but not before
2.2NM from
THR 22



ROSTOV-
NA-DONU
D 114.7 RND
N47 15.1 E039 48.8

BAGAYEVSKIY
1175 BA
N47 19.3 E040 21.6

ALT/HEIGHT CONVERSION
QNH (QFE)
900' (662' - 200m)
3240' (3002' - 900m)

URRR/ROV
ROSTOV-NA-DONU

 **JEPPESSEN** ROSTOV-NA-DONU, RUSSIA
15 APR 16 **(10-3Q)** **Eff 28 Apr** **SID**

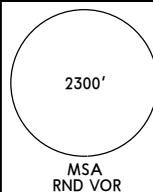
ROSTOV Radar
121.2

Apt Elev
282'

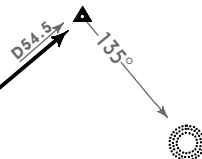
QNH on request (QFE) Trans level: FL50
Trans alt: 3240' (2959')
1. Aircraft should take-off with noise abatement procedures according to Flight MANUAL.
2. Immediately after take-off contact ROSTOV Radar.
3. Crossings at AWY entry points by ATC.

DM 2B
RWY 22
BY ATC

FOR RUSSIAN USERS OF AIRSPACE

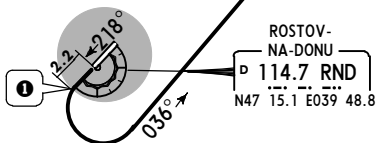
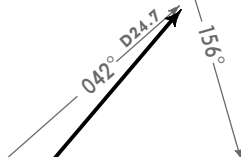


DOKIM
N47 50.0 E040 50.5



KAZAK
N47 31.0 E040 16.6

KONSTANTINOVSK
1100 KA
N47 35.3 E041 06.9



ROSTOV-NA-DONU
114.7 RND
N47 15.1 E039 48.8

BAGAYEVSKIY
1175 BA
N47 19.3 E040 21.6

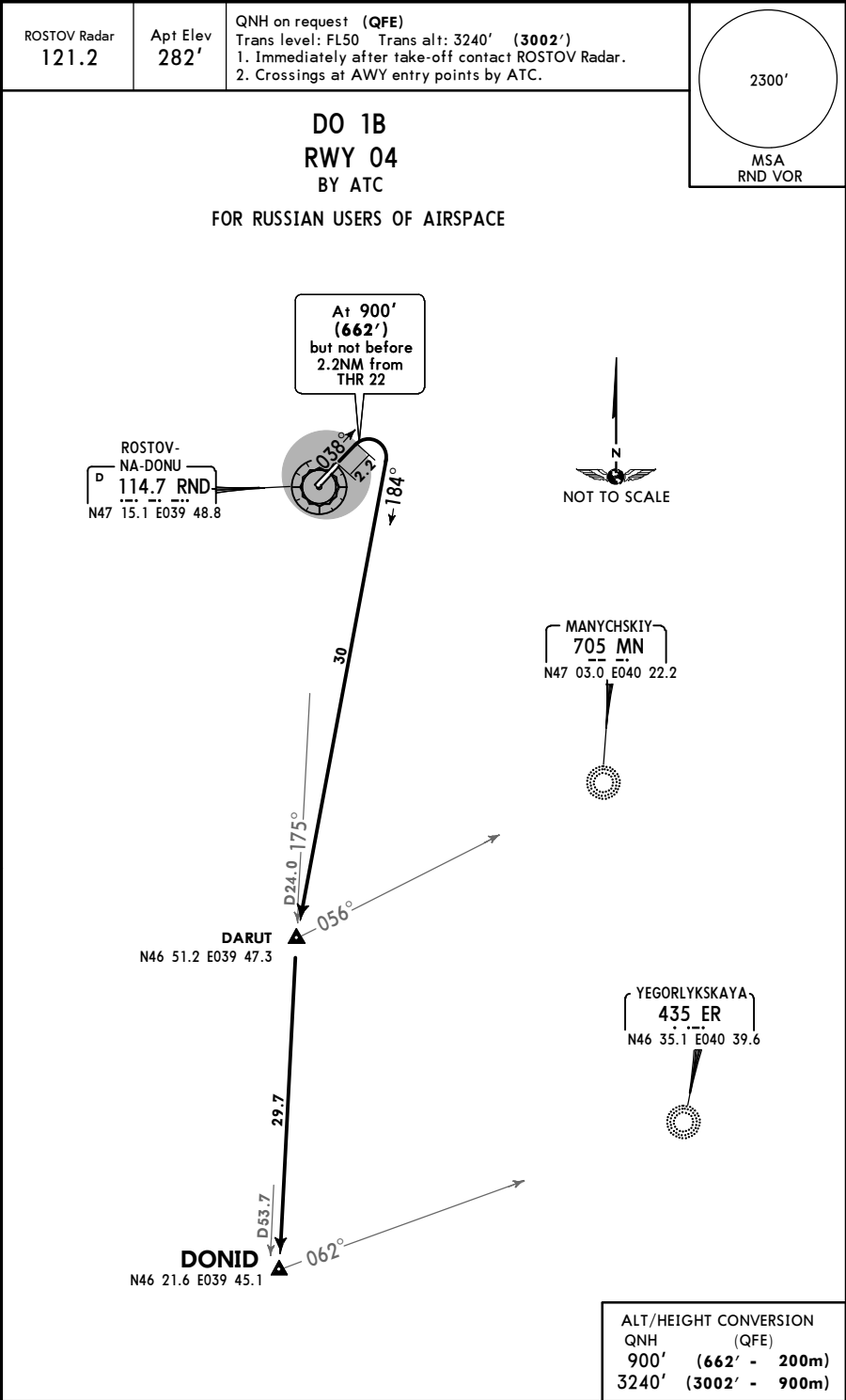
A1
940' (659')
but not before
2.2NM from
THR 04

ALT/HEIGHT CONVERSION
QNH (QFE)
940' (659' - 200m)
3240' (2959' - 900m)

URRR/ROV
ROSTOV-NA-DONU

JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 10-3S Eff 28 Apr

SID



URRR/ROV
ROSTOV-NA-DONU

15 APR 16

10-3T

Eff 28 Apr

JEPPESSEN ROSTOV-NA-DONU, RUSSIA

SID

ROSTOV Radar
121.2

Apt Elev
282'

QNH on request (QFE)

Trans level: FL50 Trans alt: 3240' (2959')

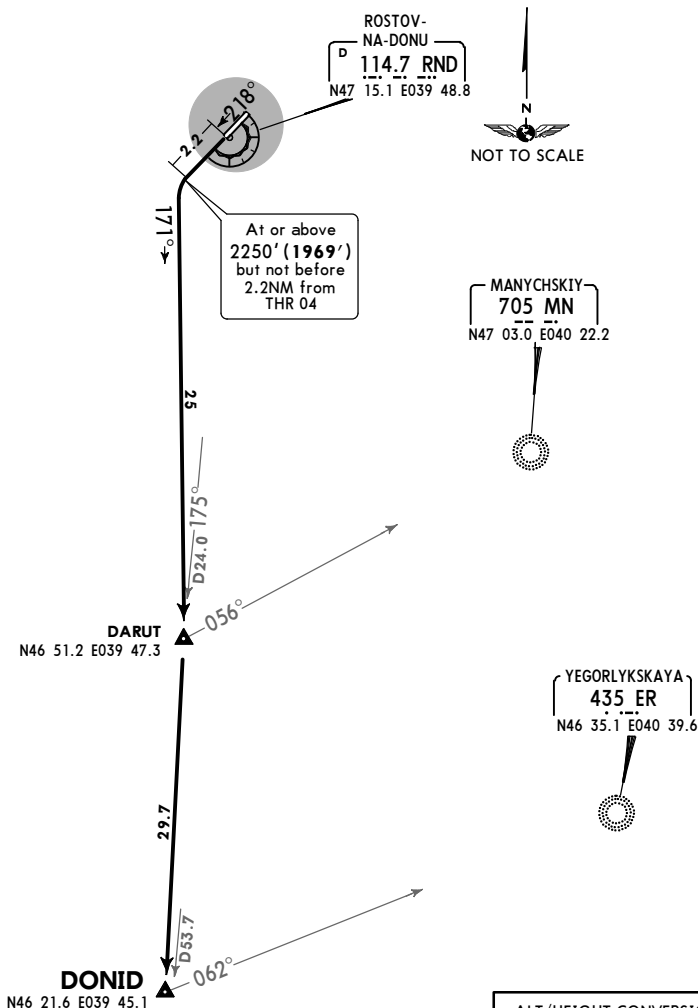
1. Aircraft should take-off with noise abatement procedures according to Flight Manual.
2. Immediately after take-off contact ROSTOV Radar.
3. Crossings at AWY entry points by ATC.

2300'

MSA
RND VOR

DO 2B
RWY 22
BY ATC

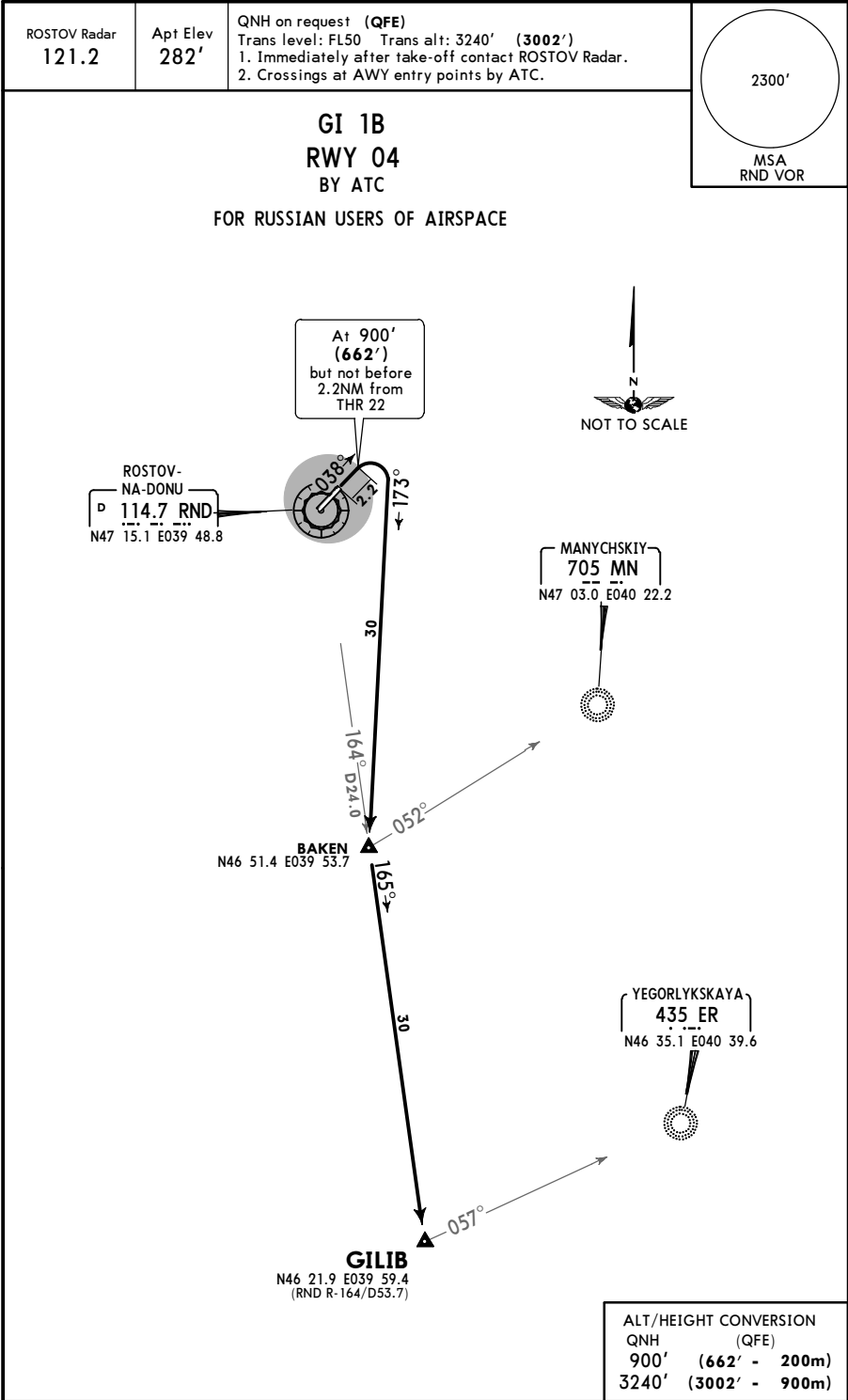
FOR RUSSIAN USERS OF AIRSPACE



ALT/HEIGHT CONVERSION
QNH (QFE)
2250' (1969' - 600m)
3240' (2959' - 900m)

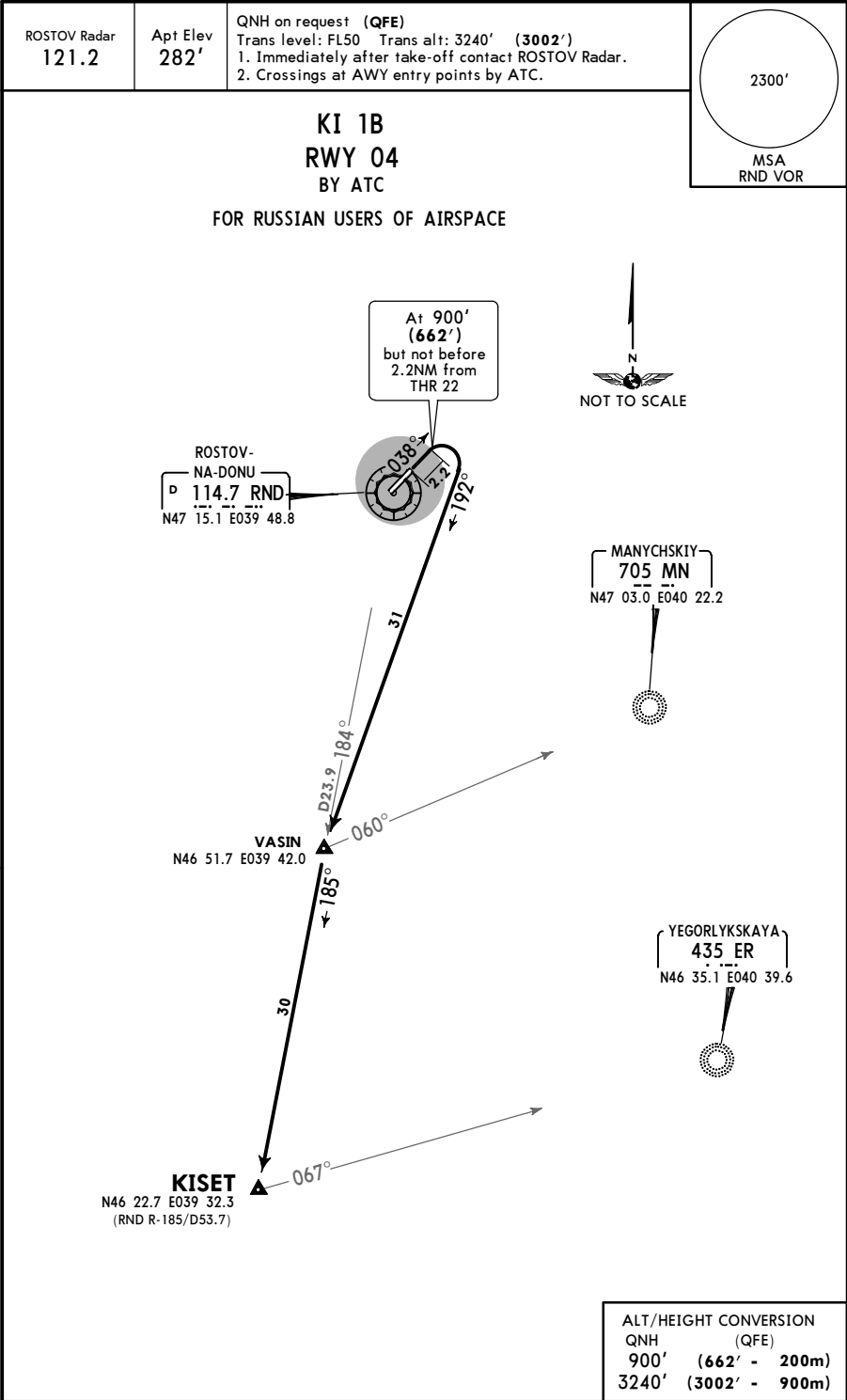
URRR/ROV
ROSTOV-NA-DONU

JEPPesen ROSTOV-NA-DONU, RUSSIA
15 APR 16 10-3U Eff 28 Apr SID



URRR/ROV
ROSTOV-NA-DONU

JEPPesen ROSTOV-NA-DONU, RUSSIA
15 APR 16 10-3W Eff 28 Apr SID



URRR/ROV
ROSTOV-NA-DONU

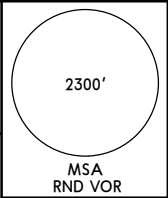
JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 (10-3X) Eff 28 Apr

SID

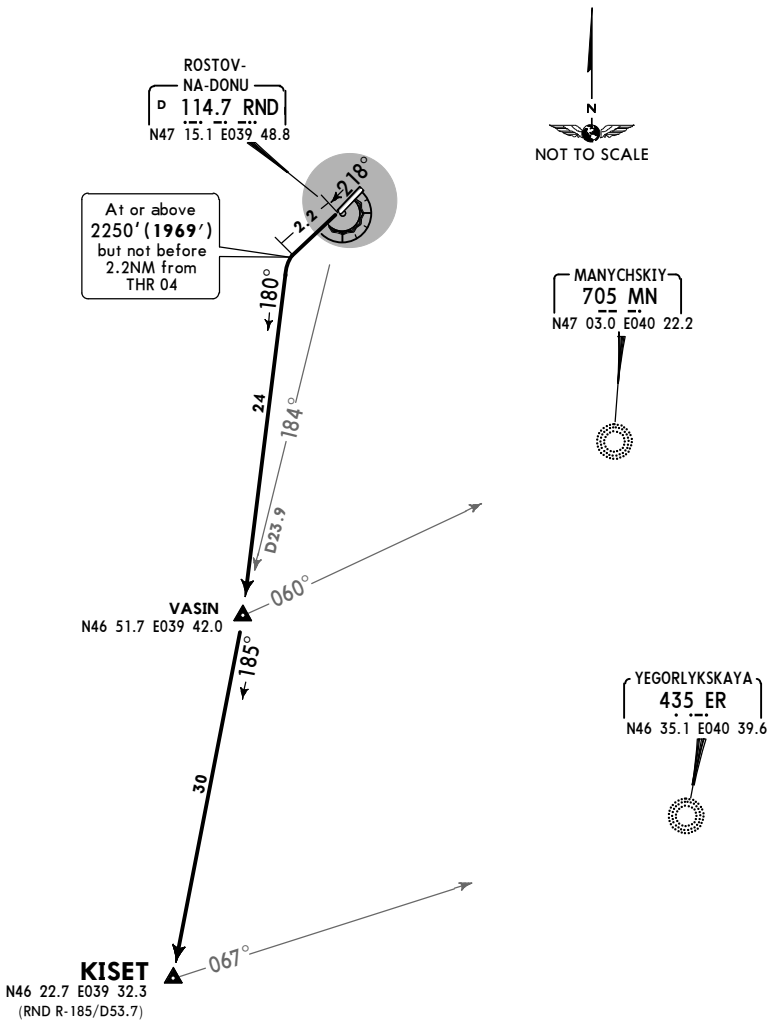
ROSTOV Radar
121.2

Apt Elev
282'

QNH on request (QFE)
Trans level: FL50 Trans alt: 3240' (2959')
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.



KI 2B
RWY 22
BY ATC
FOR RUSSIAN USERS OF AIRSPACE



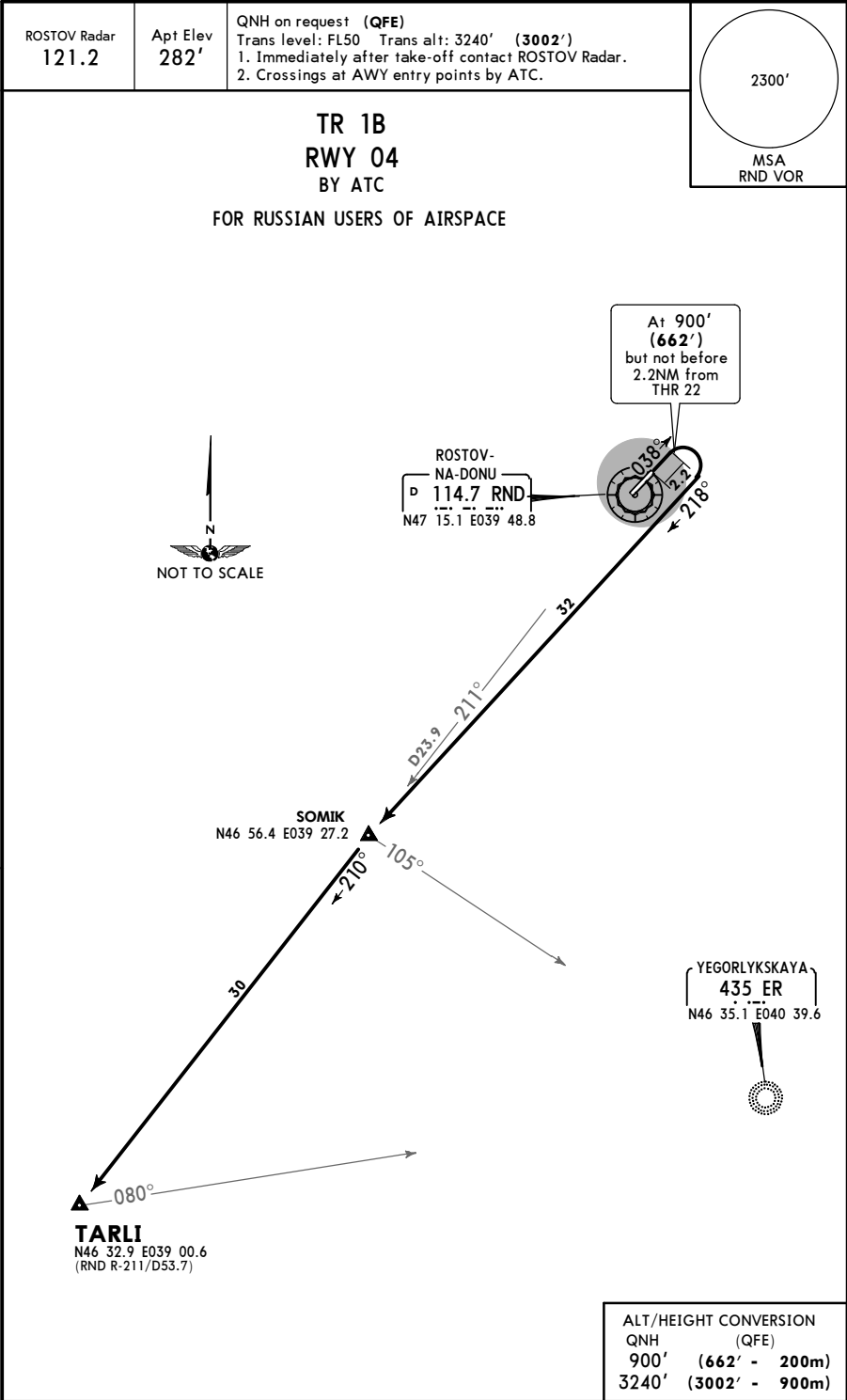
ALT/HEIGHT CONVERSION	
QNH	(QFE)
2250'	(1969' - 600m)
3240'	(2959' - 900m)

URRR/ROV
ROSTOV-NA-DONU

15 APR 16 (10-3X1) Eff 28 Apr

JEPPESEN ROSTOV-NA-DONU, RUSSIA

SID



URRR/ROV
ROSTOV-NA-DONU

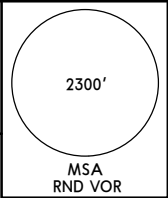
JEPPESSEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 (10-3X2) Eff 28 Apr

SID

ROSTOV Radar
121.2

Apt Elev
282'

QNH on request (QFE)
Trans level: FL50 Trans alt: 3240' (2959')
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.



TR 2B
RWY 22
BY ATC
FOR RUSSIAN USERS OF AIRSPACE



At or above
2250' (1969')
but not before
2.2NM from
THR 04



ROSTOV-
NA-DONU
D 114.7 RND
N47 15.1 E039 48.8

SOMIK
N46 56.4 E039 27.2
(RND R-211/D23.9)

RND
211°

29.8

105°

YEGORLYSKAYA
435 ER
N46 35.1 E040 39.6



TARLI
N46 32.9 E039 00.6
(RND R-211/D53.7)

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2250'	(1969' - 600m)
3240'	(2959' - 900m)

URRR/ROV
ROSTOV-NA-DONU

15 JUN 12

JEPPesen

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 BEREG climb straight ahead to 2540' (2303'), turn LEFT to BEREG with a minimum climb gradient of 4.1% until crossing BEREG.

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

V₂ + 11 to 22 KT

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

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

V₂ + 11 to 22 KT

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.

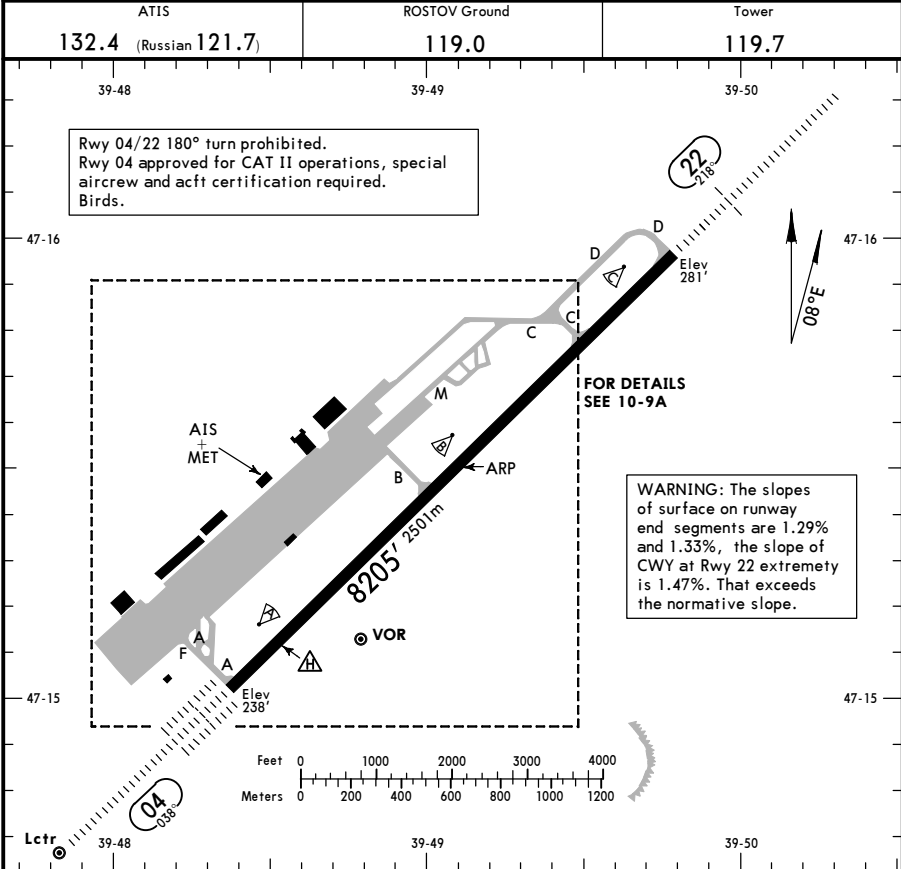
URRR/ROV

Apt Elev **282'**
N47 15.5 E039 49.1

JEPPSEN
19 FEB 16 **10-9**

Eff 3 Mar

ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU



ADDITIONAL RUNWAY INFORMATION

RWY						USABLE LENGTHS		TAKE-OFF	WIDTH
	HIRL (60m)	CL (15m)	HIALS-II	TDZ	RVR	Threshold	Glide Slope		
04							7355' 2242m	2	148' 45m
22							6624' 2019m		

1 PAPI-L (angle 2.67°)

2 TAKE-OFF RUN AVAILABLE

RWY 04:

From rwy head 8205' (2501m)
twy B int 4593' (1400m)

RWY 22:

From rwy head 8205' (2501m)
twy C int 6562' (2000m)
twy B int 3612' (1101m)

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: None.

URRR/ROV

19 FEB 16



JEPPESSEN

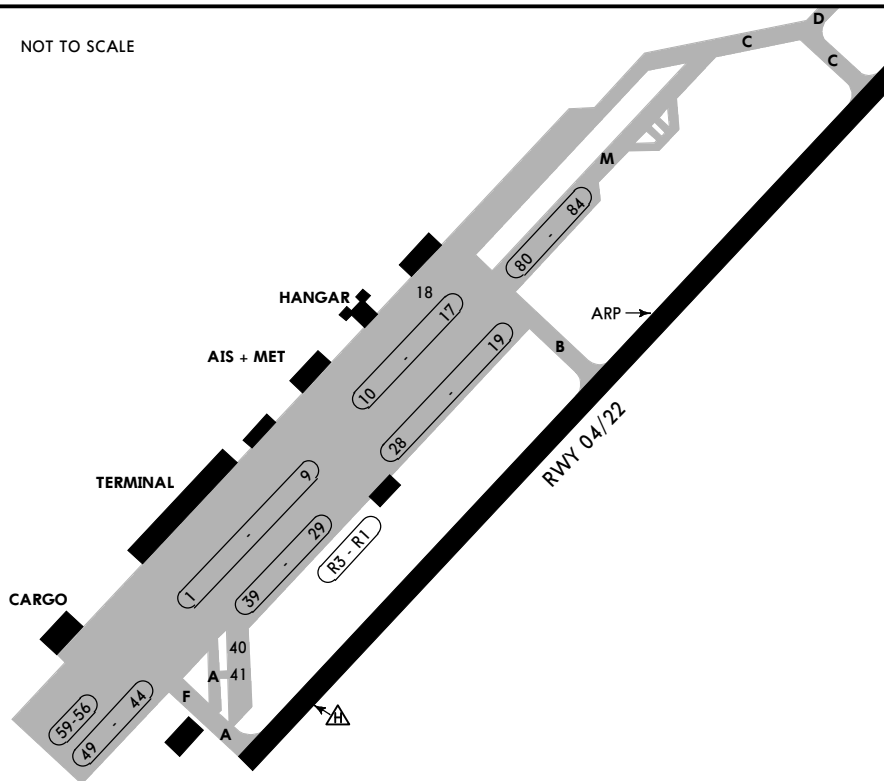
(10-9A)

Eff 3 Mar

ROSTOV-NA-DONU, RUSSIA

ROSTOV-NA-DONU

NOT TO SCALE



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 and 19 thru 28 are cul-de-sacs.

Enter stands 19 thru 28 and 80 thru 84 by towing.

Exit stands 44 thru 49 by towing.

Exit stands 29 thru 39 by towing for acft parked on heading 130° when adjacent stands are occupied.

Use of stands 19 thru 28 by towing along Twy B.

Use of stands 44 thru 49 by towing along Twy F.

Stands 1 thru 16, 19 thru 41, 44 thru 49, 56 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 along Twy A is prohibited, if Twy F is occupied.

Taxiing between stands 44 thru 49 and 56 thru 59 MAX wingspan 60'/18.2m.

Taxiing on apron and twys with Follow-me only, when visibility is less than 400m or RVR is less than 550m, whichever is earlier.

LOW VISIBILITY PROCEDURES

Procedures are applied when RVR is less than 550m.

After landing, pilots must report vacaton 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.

URRR/ROV

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

- ❶ Stand direction NW
- ❷ Stand direction SE

URRR/ROV



Standard
ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU

STRAIGHT-IN RWY		A	B	C	D
04	CAT 2 ILS	338' (100')	338' (100')	338' (100')	338' (100')
		RA110' R300m	RA110' R300m	RA110' R300m	RA110' R300m
	ILS	438' (200')	438' (200')	438' (200')	438' (200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB or RN NDB ❶	700' (462')	700' (462')	700' (462')	700' (462')
	with FAF	R1500m	R1500m	R1500m	R1500m
	ALS out	R1500m	R1500m	C2200m	C2200m
	2 NDB or RN NDB ❶	700' (462')	700' (462')	700' (462')	700' (462')
	w/o FAF	R1500m	R1500m	R1500m	R1500m
	ALS out	C2200m	C2200m	C2200m	C2200m
	N Lctr ❶	760' (522')	760' (522')	760' (522')	760' (522')
	with FAF	R1500m	R1500m	R1700m	R1700m
	ALS out	R1500m	R1500m	C2400m	C2400m
	N Lctr	810' (572')	810' (572')	810' (572')	810' (572')
	w/o FAF	C2100m	C2100m	C2300m	C2300m
	ALS out	C2800m	C2800m	C3000m	C3000m
22	ILS	481' (200')	481' (200')	481' (200')	481' (200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ❶	740' (459')	740' (459')	740' (459')	740' (459')
	with FAF	R1400m	R1400m	R1400m	R1400m
	ALS out	R1500m	R1500m	C2100m	C2100m
	2 NDB ❶	740' (459')	740' (459')	740' (459')	740' (459')
	w/o FAF	R1400m	R1400m	R1400m	R1400m
	ALS out	C2100m	C2100m	C2100m	C2100m
	RW NDB ❶	760' (479')	760' (479')	760' (479')	760' (479')
	with FAF	R1500m	R1500m	R1500m	R1500m
	ALS out	R1500m	R1500m	C2200m	C2200m
	RW NDB ❶	760' (479')	760' (479')	760' (479')	760' (479')
	w/o FAF	R1500m	R1500m	R1500m	R1500m
	ALS out	C2200m	C2200m	C2200m	C2200m
	W Lctr ❶	740' (459')	740' (459')	740' (459')	740' (459')
	with FAF	R1400m	R1400m	R1400m	R1400m
	ALS out	R1500m	R1500m	C2100m	C2100m
	W Lctr	1020' (739')	1020' (739')	1020' (739')	1020' (739')
	w/o FAF	C2900m	C2900m	C3100m	C3100m
	ALS out	C3600m	C3600m	C3800m	C3800m

❶ Continuous Descent Final Approach.

TAKE-OFF RWY 04, 22

Approved Operators		LVP must be in Force				
	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	125m	150m	200m	250m	400m	500m
B						
C						
D	150m	200m	250m	300m		

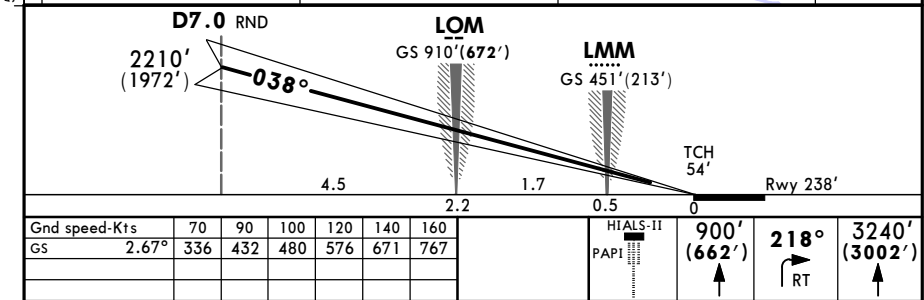
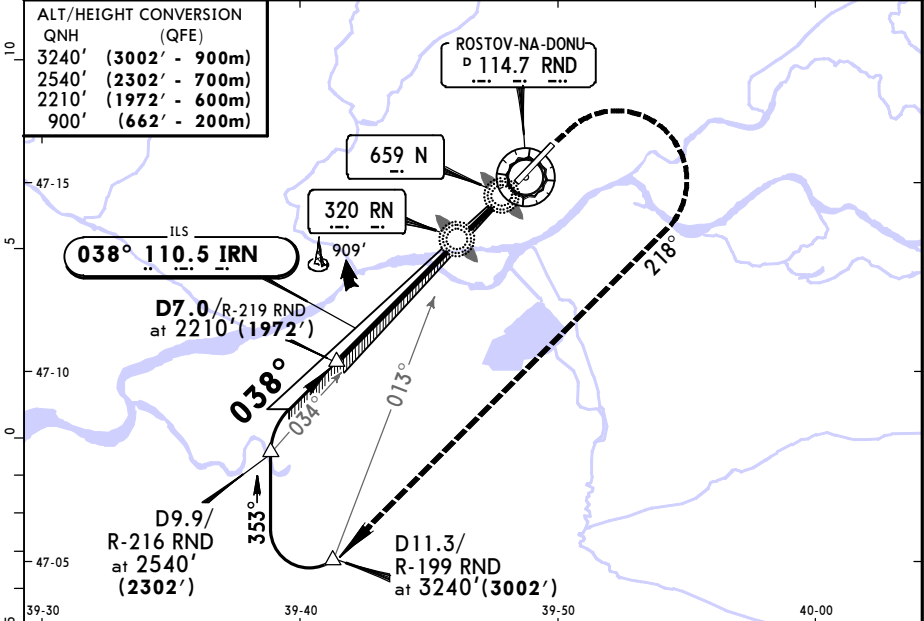
CHANGES: Minimums.

URRR/ROV
ROSTOV-NA-DONU

JEPPESSEN
15 APR 16 (11-1A) Eff 28 Apr

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

BRIEFING STRIP™	ATIS		ROSTOV Approach		ROSTOV Radar		ROSTOV Tower		Ground	
	132.4 (Russian 121.7)		128.2		121.2		119.7		119.0	
	LOC IRN 110.5		Final Apch Crs 038°		GS LOM 910'(672')		CAT II ILS RA 110' DA(H) 338'(100')		Apt Elev 282' Rwy 238'	
	MISSED APCH: Climb to 900'(662'), then turn RIGHT onto 218° climbing to 3240'(3002'), then according to chart. When going around, immediately contact ROSTOV Radar.								2300' MSA RND VOR	
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 50		Trans alt: 3240' (3002')				
1. Special Aircrew & Acft Certification Required.										
2. Increased turbulence and windshear may be expected on final.										



STRAIGHT-IN LANDING RWY 04 CAT II ILS		
RA 110' DA(H) 338'(100')		
RVR 300m		

URRR/ROV
ROSTOV-NA-DONU

15 APR 16 11-2 Eff 28 Apr

JEPPESEN ROSTOV-NA-DONU, RUSSIA
ILS Rwy 22

ATIS		ROSTOV Approach		ROSTOV Radar	ROSTOV Tower	Ground
132.4 (Russian 121.7)		128.2		121.2	119.7	119.0
LOC IRW 110.3	Final Apch Crs 218°	GS LOM 969'(688')	ILS DA(H) 481'(200')	Apt Elev 282' Rwy 281'	2300' MSA RND VOR	
MISSED APCH: Climb to 2250'(1969'), then turn LEFT onto 080° to KS NDB climbing to 3240'(2959'), then as directed.						

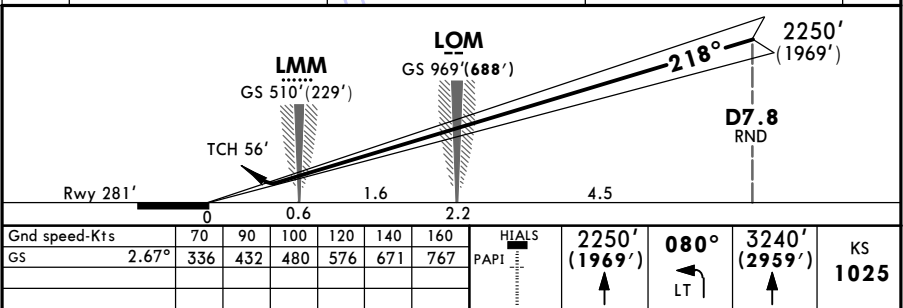
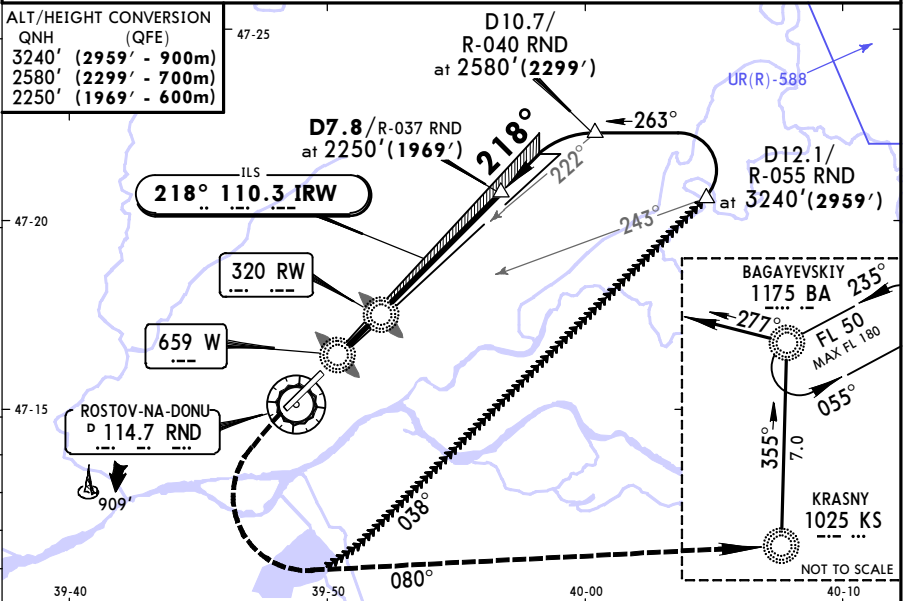
Alt Set: MM (hPa on req)

QNH on req (QFE)

Trans level: FL 50

Trans alt: 3240'(2959')

Increased turbulence and windshear may be expected on final.



STRAIGHT-IN LANDING RWY 22			
ILS		LOC (GS out)	
DA(H) 481'(200')			
FULL	ALS out		
A			
B			
C	RVR 720m VIS 800m	1200m	NOT AUTHORIZED
D			

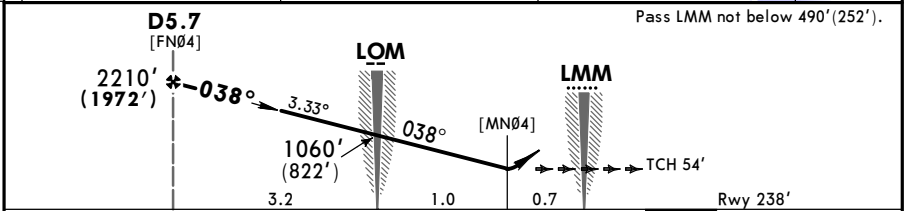
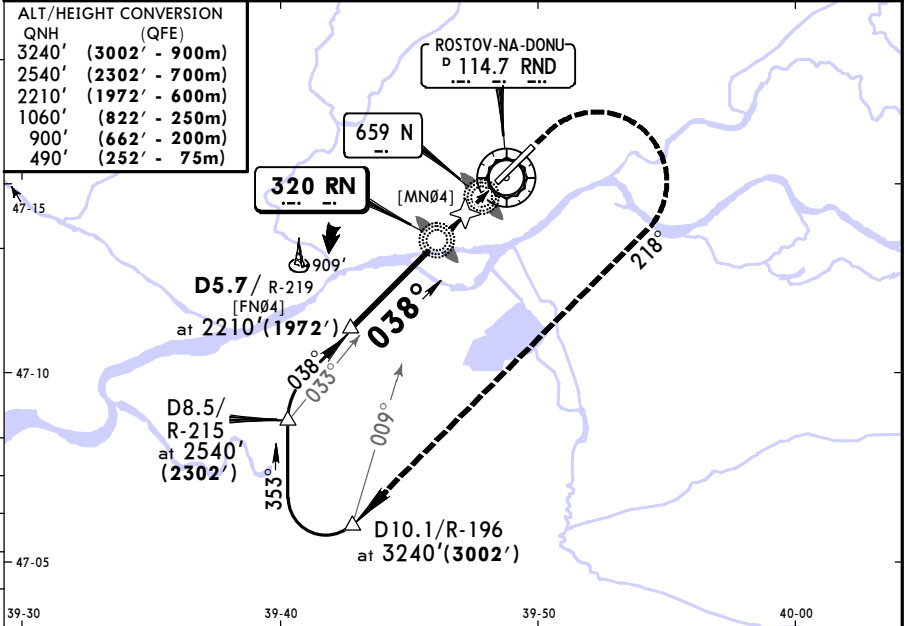
URRR/ROV
ROSTOV-NA-DONU

JEYPESEN

ROSTOV-NA-DONU, RUSSIA

15 APR 16 (16-1) Eff 28 Apr 2 NDB or NDB Rwy 04

ATIS		ROSTOV Approach		ROSTOV Radar	ROSTOV Tower	Ground
132.4 (Russian 121.7)		128.2		121.2	119.7	119.0
NDB RN 320	Final Apch Crs 038°	Minimum Alt D5.7 2210'(1972')	MDA(H) Refer to Minimums	Apt Elev 282' Rwy 238'	2300' MSA RND VOR	
MISSED APCH: Climb to 900'(662'), then turn RIGHT onto 218° climbing to 3240'(3002'), 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' (3002')						
Increased turbulence and windshear may be expected on final.						



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	900' (662')	218°	3240' (3002')
Descent Angle	3.33°	412	530	589	707	825	PAPI	↑	RT	↑

STRAIGHT-IN LANDING RWY 04					
2 NDB or RN NDB			N Lctr		
MDA(H) 700' (462')			With FAF	W/o FAF	
ALS out			ALS out	ALS out	ALS out
A					
B	1300m		2100m	1600m	2400m
C				1900m	2700m
D	RVR 1800m VIS 2000m		2400m	2400m	2800m

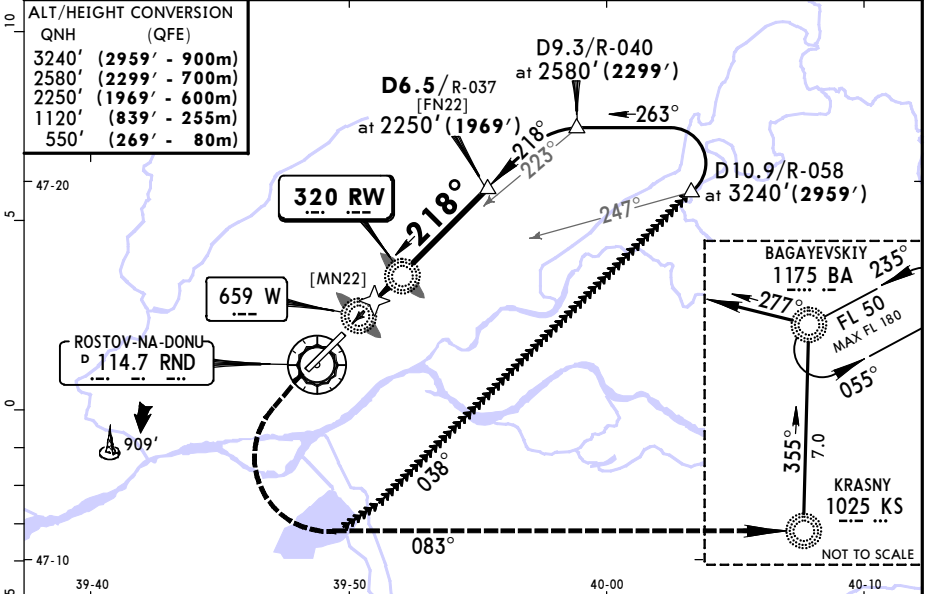
URRR/ROV
ROSTOV-NA-DONU

JEPPESEN ROSTOV-NA-DONU, RUSSIA
15 APR 16 **(16-2)** Eff 28 Apr 2 NDB or NDB Rwy 22

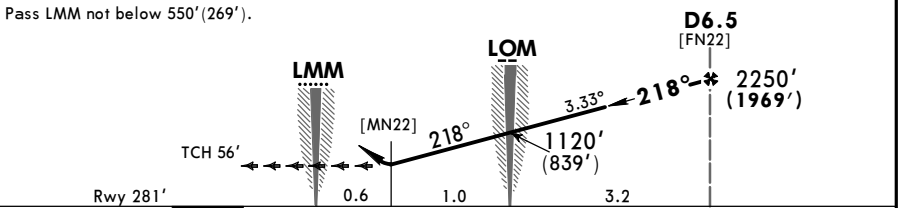
BREEZING STRIP™	ATIS		ROSTOV Approach		ROSTOV Radar		ROSTOV Tower		Ground
	132.4 (Russian 121.7)		128.2		121.2		119.7		119.0
	NDB RW 320	Final Apch Crs 218°	Minimum Alt D6.5 2250' (1969')		MDA(H) Refer to Minimums	Apt Elev 282' Rwy 281'		2300' MSA RND VOR	

MISSED APCH: Climb to 2250' (1969'), then turn LEFT onto 083° to KS NDB climbing to 3240' (2959'), then as directed.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 Trans alt: 3240' (2959')
Increased turbulence and windshear may be expected on final.



Pass LMM not below 550' (269').



Gnd speed-Kts	70	90	100	120	140	160	HIALS	2250' (1969')	083°	3240' (2959')	KS 1025
Descent Angle	3.33°	412	530	589	707	825	943	PAPI	LT		

2 NDB		RW NDB		With FAF		W Lctr		W/o FAF	
MDA(H) 740' (459')		MDA(H) 760' (479')		MDA(H) 740' (459')		MDA(H) 1020' (739')			
ALS out		ALS out		ALS out		ALS out		ALS out	
A									
B	1300m	2100m	RVR 1500m VIS 1600m	2200m	1300m	2100m		3200m	
C									
D	RVR 1800m VIS 2000m	2400m	RVR 1800m VIS 2000m	2400m	RVR 1800m VIS 2000m	2400m		3200m	3600m

CHANGES: Rwy elev. Missed apch.

© JEPPESEN, 2001, 2016. ALL RIGHTS RESERVED.



Chart changes since cycle 12-2016

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

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
-----	-----------------	-------	----------	----------

ROSTOV-NA-DONU, (ROSTOV-NA-DONU - URRR)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport URRR