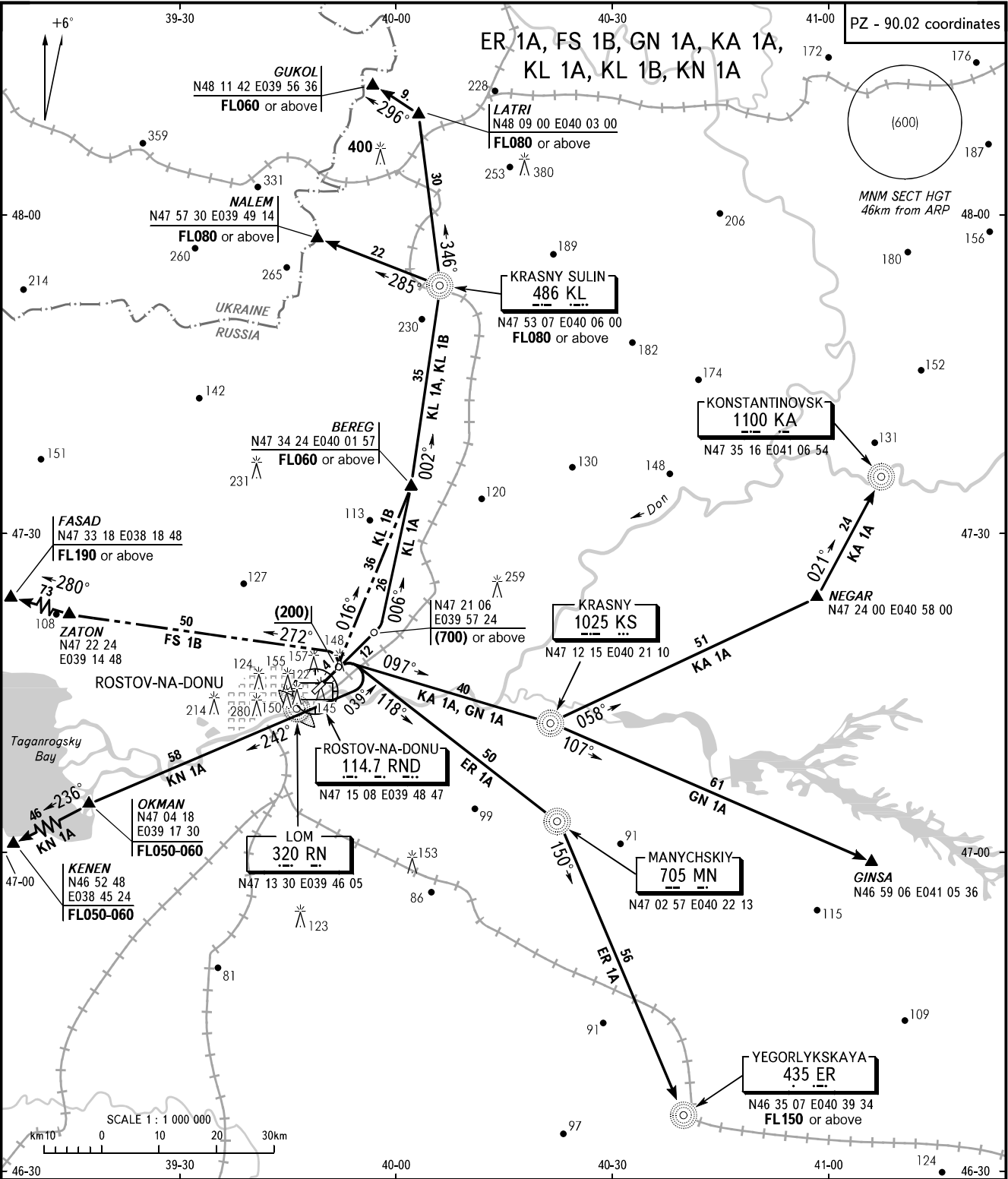


ROSTOV-NA-DONU

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION
HEIGHT : (900)

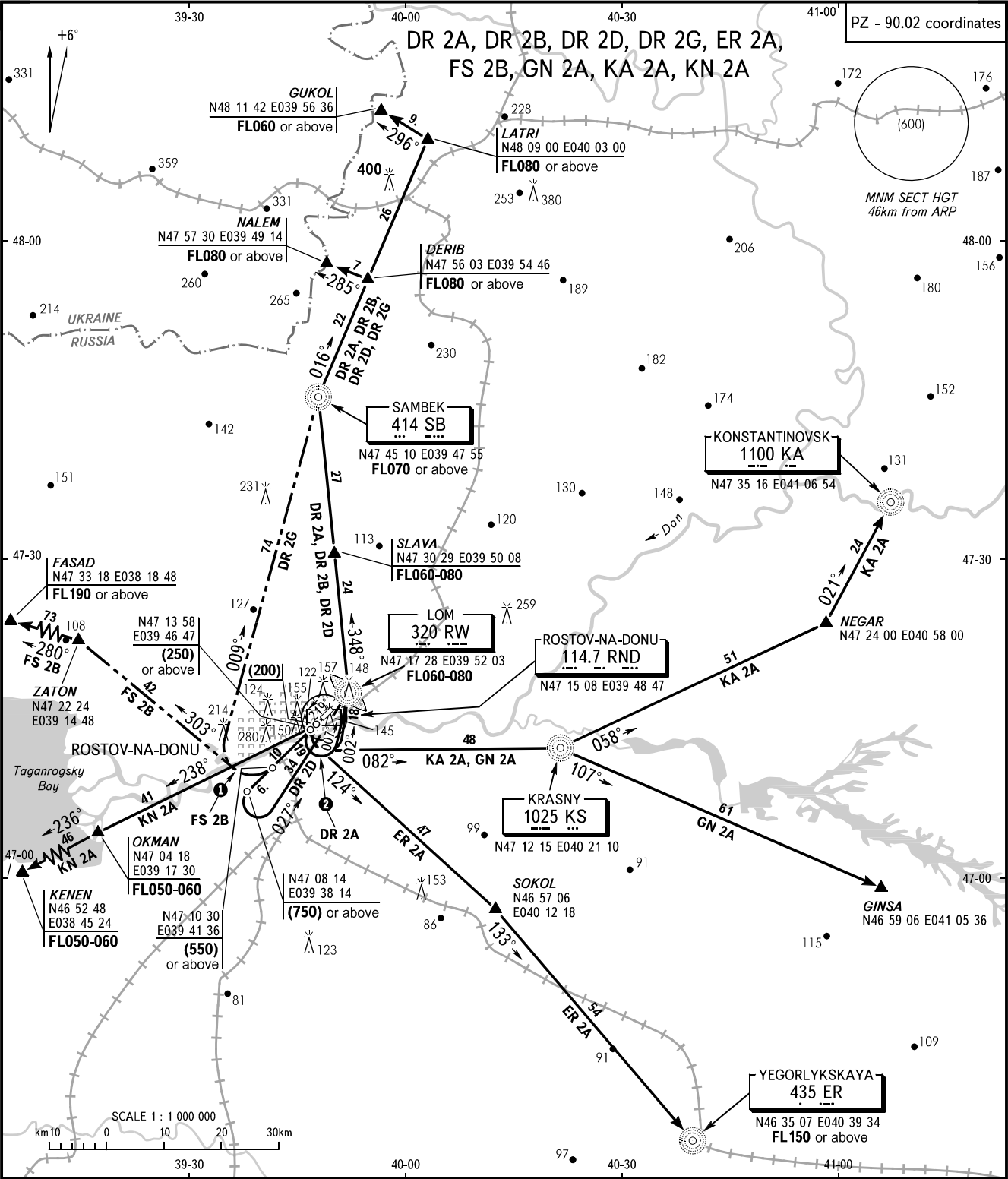
ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU
RWY 04



STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION
HEIGHT : (900)

ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU
RWY 22



START
RADAR
APPROACH

119.7
121.2
128.2 (127.1R)

BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN METRES
DISTANCES ARE IN KILOMETRES

1 Radius 4.9km

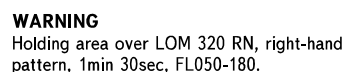
Vkm/h	250	300	350	400	450
BANK, DEG	06	08	11	14	18

2 Radius 2.7km

Vkm/h	200	250	300	350	400
BANK, DEG	07	11	15	20	25

ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU
RWY 04

PZ - 90.02 coordinates

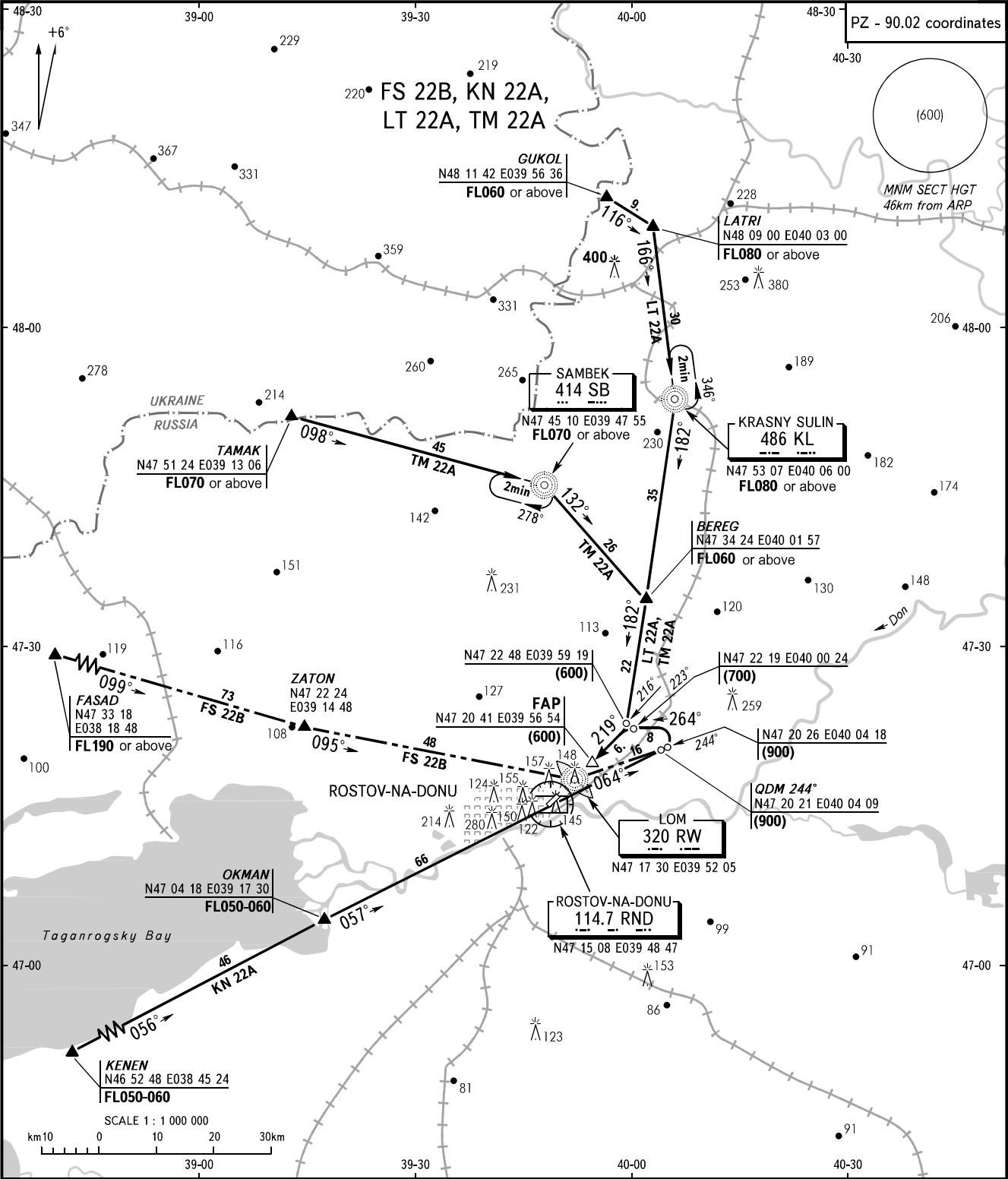


AIRAC AMDT 12/11

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION
LEVEL : FL050

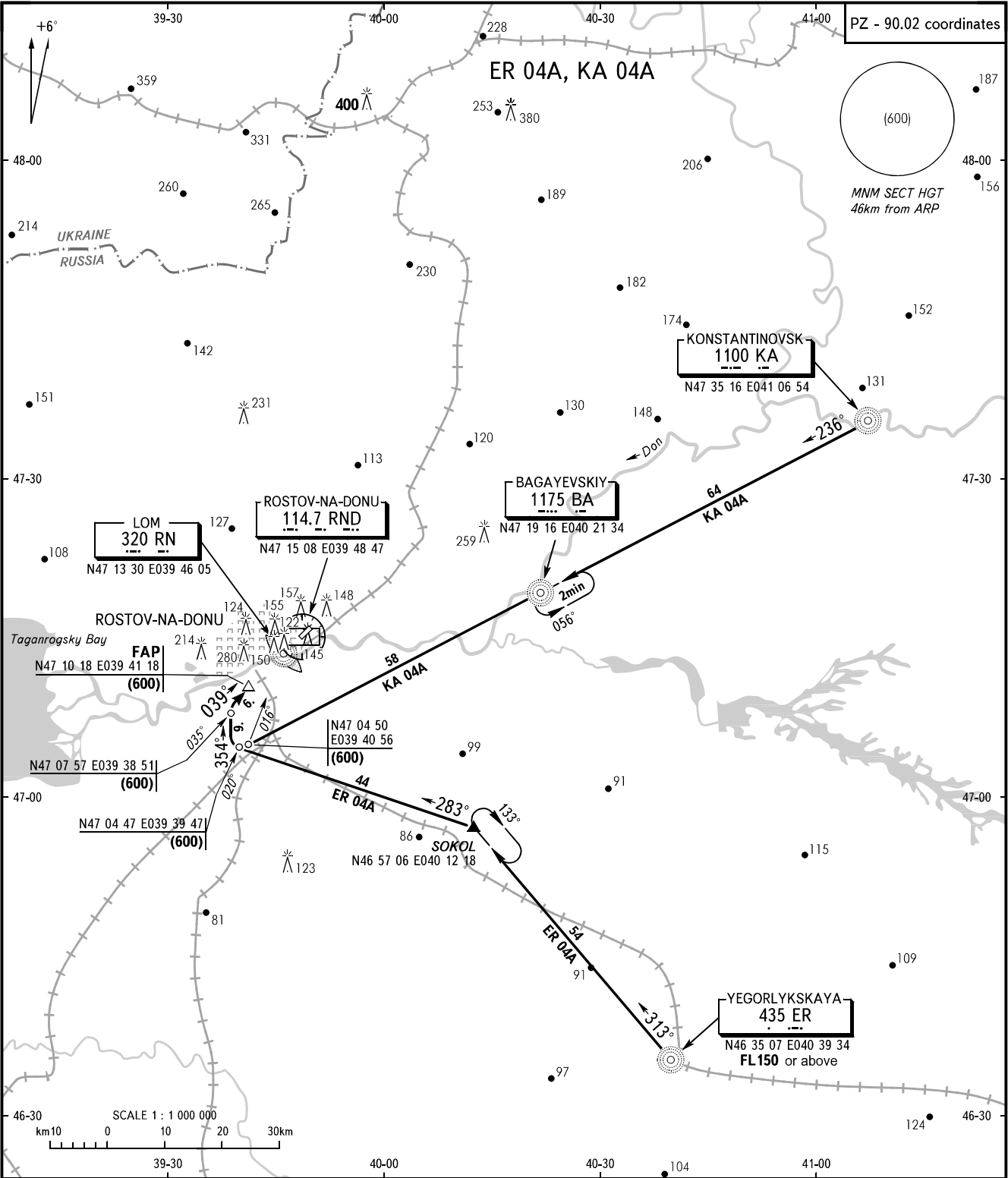
ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU
RWY 22



STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION
LEVEL : FL050

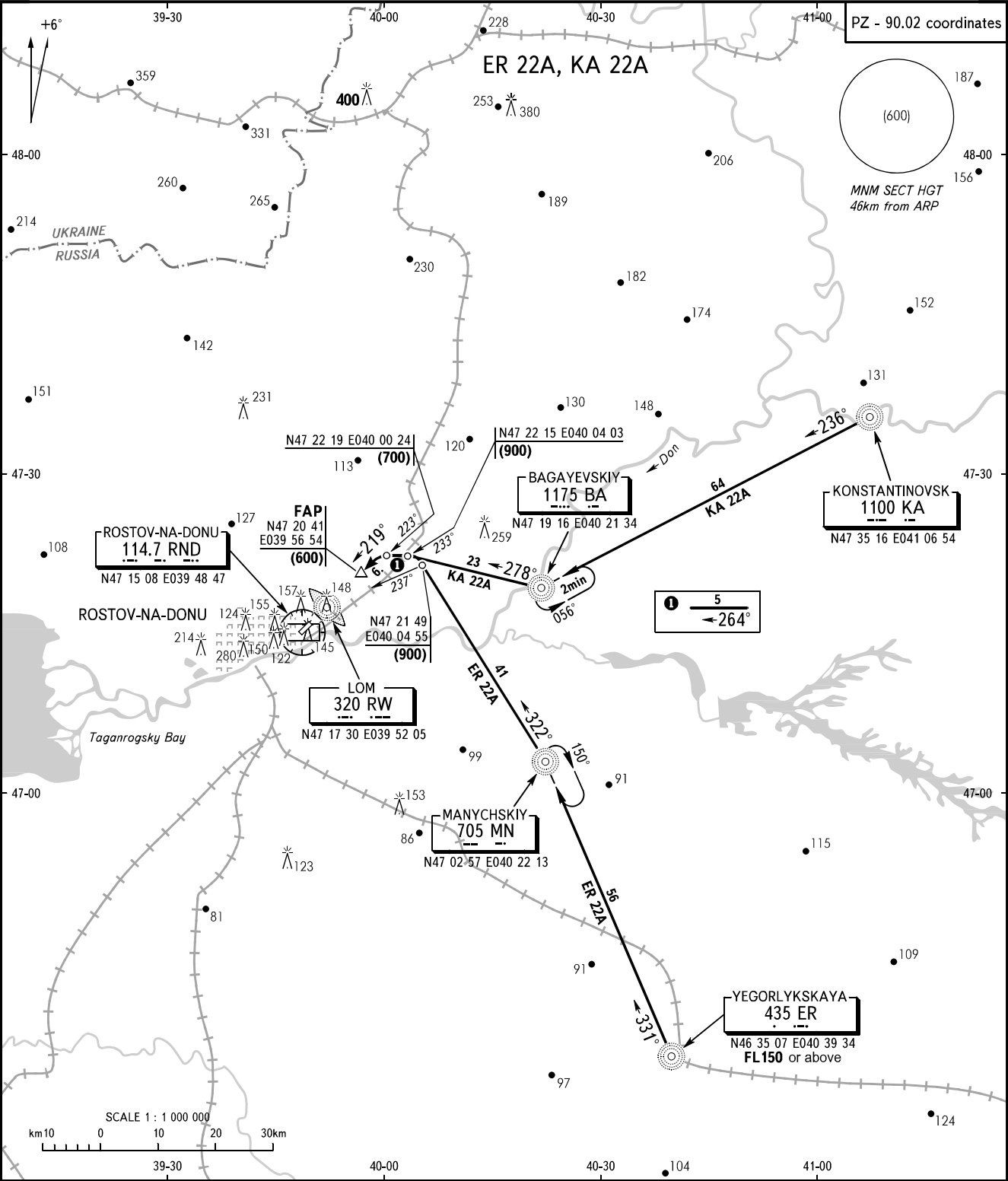
ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU
RWY 04



STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION
LEVEL : **FL050**

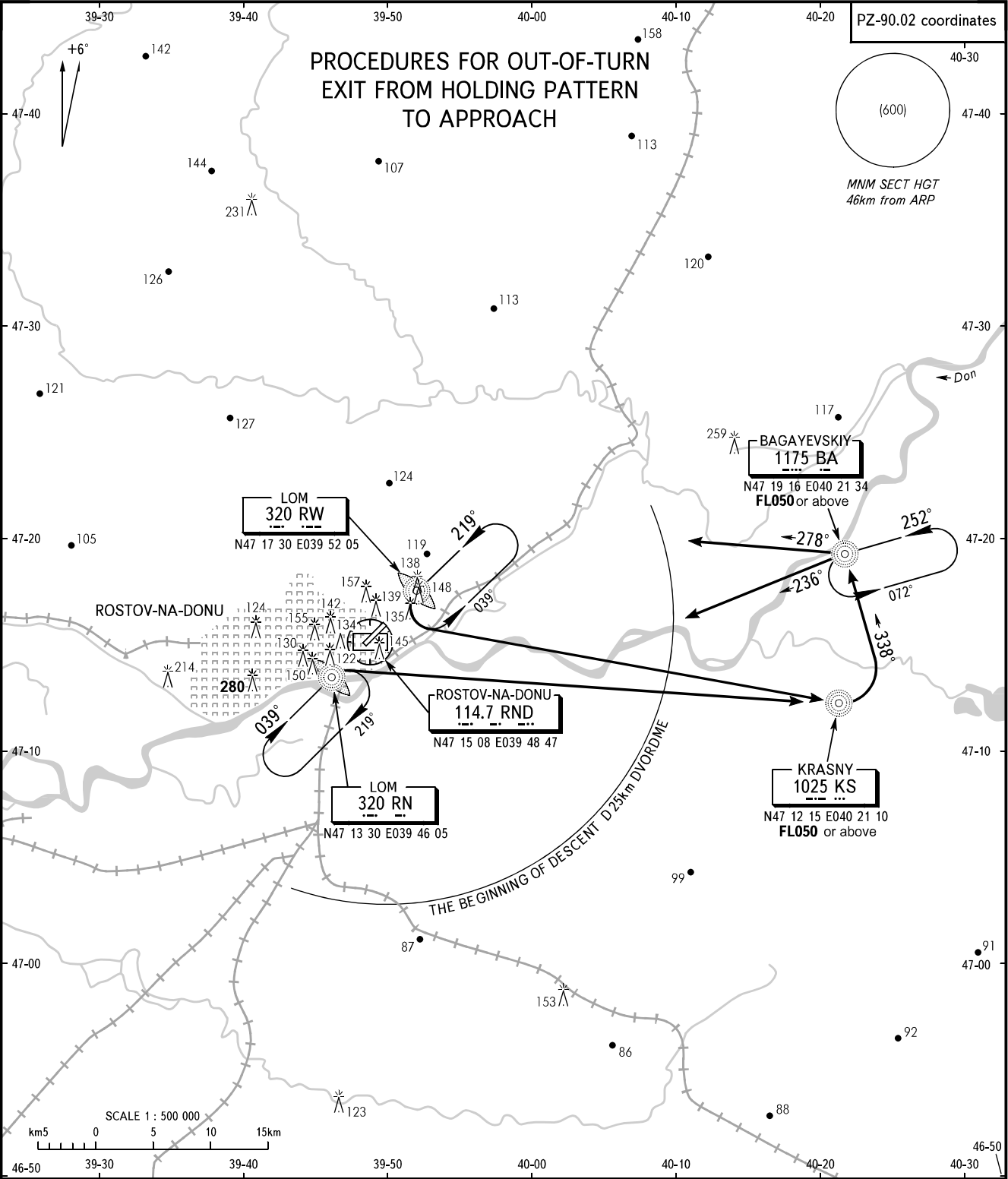
ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU
RWY 22



HOLDING PATTERNS

TRANSITION
LEVEL : **FL050**

ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU
RWY 04/22



APPROACH **128.2 (127.1R)**
RADAR **121.2**
START **119.7**

- WARNING:**
1. Approach from BAGAYEVSKIY NDB shall be carried out in accordance with the established pattern.
 2. Flying time on outbound leg in holding areas:
 - 1min up to FL140 inclusive;
 - 1min 30sec above FL140.

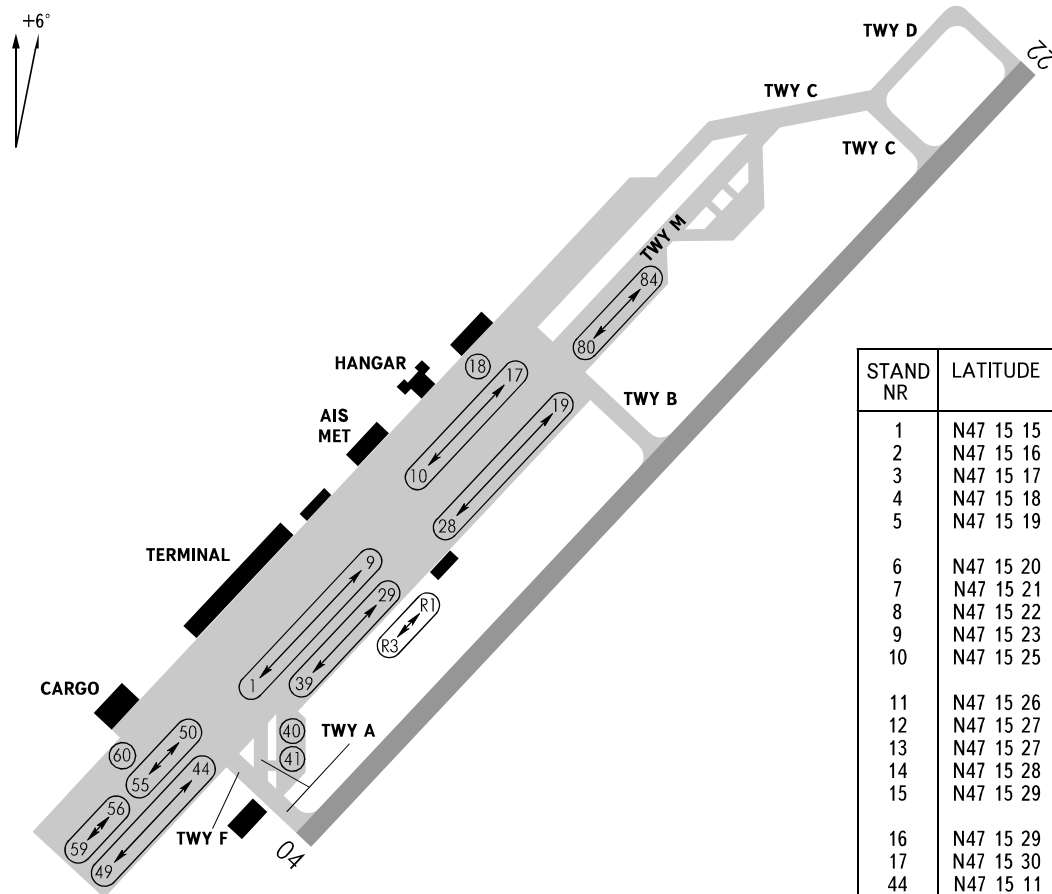
BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN METRES
DISTANCES ARE IN KILOMETRES

AERODROME GROUND MOVEMENT AND AIRCRAFT PARKING CHART - ICAO

START	119.7
TAXIING	119.0

ROSTOV-NA-DONU, RUSSIA

ROSTOV-NA-DONU



PZ - 90.02 coordinates

STAND NR	LATITUDE	LONGITUDE	STAND DIRECTION
1	N47 15 15	E039 48 13	NW
2	N47 15 16	E039 48 16	NW
3	N47 15 17	E039 48 17	NW
4	N47 15 18	E039 48 19	NW
5	N47 15 19	E039 48 21	NW
6	N47 15 20	E039 48 22	NW
7	N47 15 21	E039 48 24	NW
8	N47 15 22	E039 48 25	NW
9	N47 15 23	E039 48 27	NW
10	N47 15 25	E039 48 31	NW
11	N47 15 26	E039 48 32	NW
12	N47 15 27	E039 48 33	NW
13	N47 15 27	E039 48 35	NW
14	N47 15 28	E039 48 36	NW
15	N47 15 29	E039 48 37	NW
16	N47 15 29	E039 48 40	NW
17	N47 15 30	E039 48 41	NW
44	N47 15 11	E039 48 13	NW
45	N47 15 10	E039 48 11	NW
46	N47 15 09	E039 48 09	NW
47	N47 15 07	E039 48 07	NW
44	N47 15 10	E039 48 14	SE
45	N47 15 09	E039 48 12	SE
46	N47 15 08	E039 48 10	SE
47	N47 15 06	E039 48 08	SE

Not to scale

STANDS:

Surface: Cement-Concrete

Strength: 1-9 - PCN 33/R/C/W/T
10-41 - PCN 32/R/C/W/T
44-60 - PCN 45/R/C/X/T

WARNING:

- | | |
|---|----------------------------|
| 1. When towing of ACFT out of stands 1, 2, 44-47, engines start-up shall be carried out on TWY A, F or on the apron in front of stands 29-39. | |
| 16-28 | are cul-de-sac |
| 80-84, R1-R3 | are alternative |
| 2. ACFT parking on stands: | |
| 1-15, 19-28, 80-84 | on heading 310 DEG MAG |
| 16, 17, 56-60 | on heading 130 DEG MAG |
| 18 | on heading 220 DEG MAG |
| 40 | on heading 180 DEG MAG |
| 41 | on heading 360 DEG MAG |
| 29-39, 44-55 | on heading 310/130 DEG MAG |

ACFT types:

Tu-154, Tu-154M, A-320-100,
A-320-200, B737-800,
B757-200, Yak-42, EMB-195
B737-200, B737-300, Tu-134, CRJ-700,
An-148, EMB-190
B737-400
Tu-204, Tu-214, Il-76T, Il-76TD,
An-70, A-310, B767-200, Mi-26 HEL
Il-18, An-72, An-74, A-319-100,
B737-600, B737-700
Il-62
Il-76T, Il-76DT
Il-114, An-24, An-26, An-38, Yak-40,
BAE-146, B737-500, ATR-42, ATR-72,
CRJ-100, CRJ-200, F-70, RJ-85
An-2, An-3
An-30
An-12
An-140
F-100
RJ-85
Mi-8 HEL, Mi-24 HEL
Mi-2 HEL
Mi-10 HEL

STANDS:

1-9, 17-28, 44-49
1-28, 44-55
1-28, 44-49
1, 2, 44-47
1-9, 17-28, 44-55
1
48, 49
1-39, 44-55
56-59
4-39, 44-55
1-9, 17-28, 44-55, 80-84
1-39, 44-55
1-15, 44-55
1-16, 44-55
1-39, 40-41, 80-84
41, 56-59
1, 2, 44

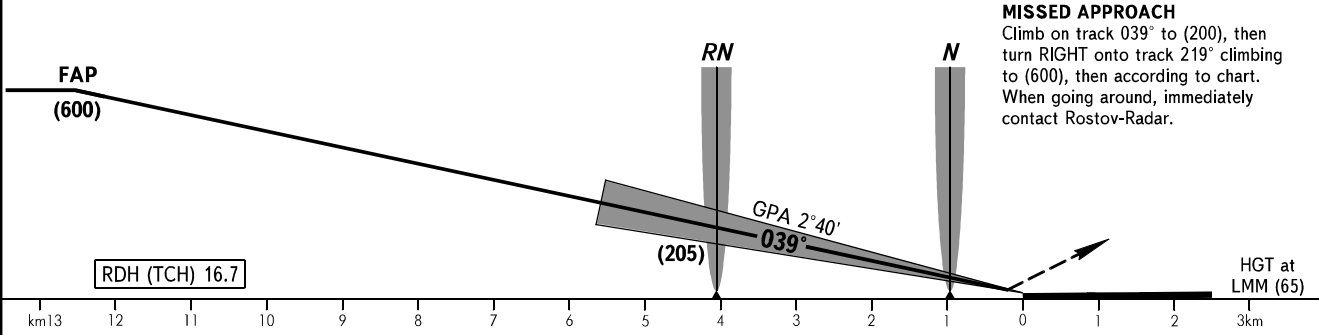
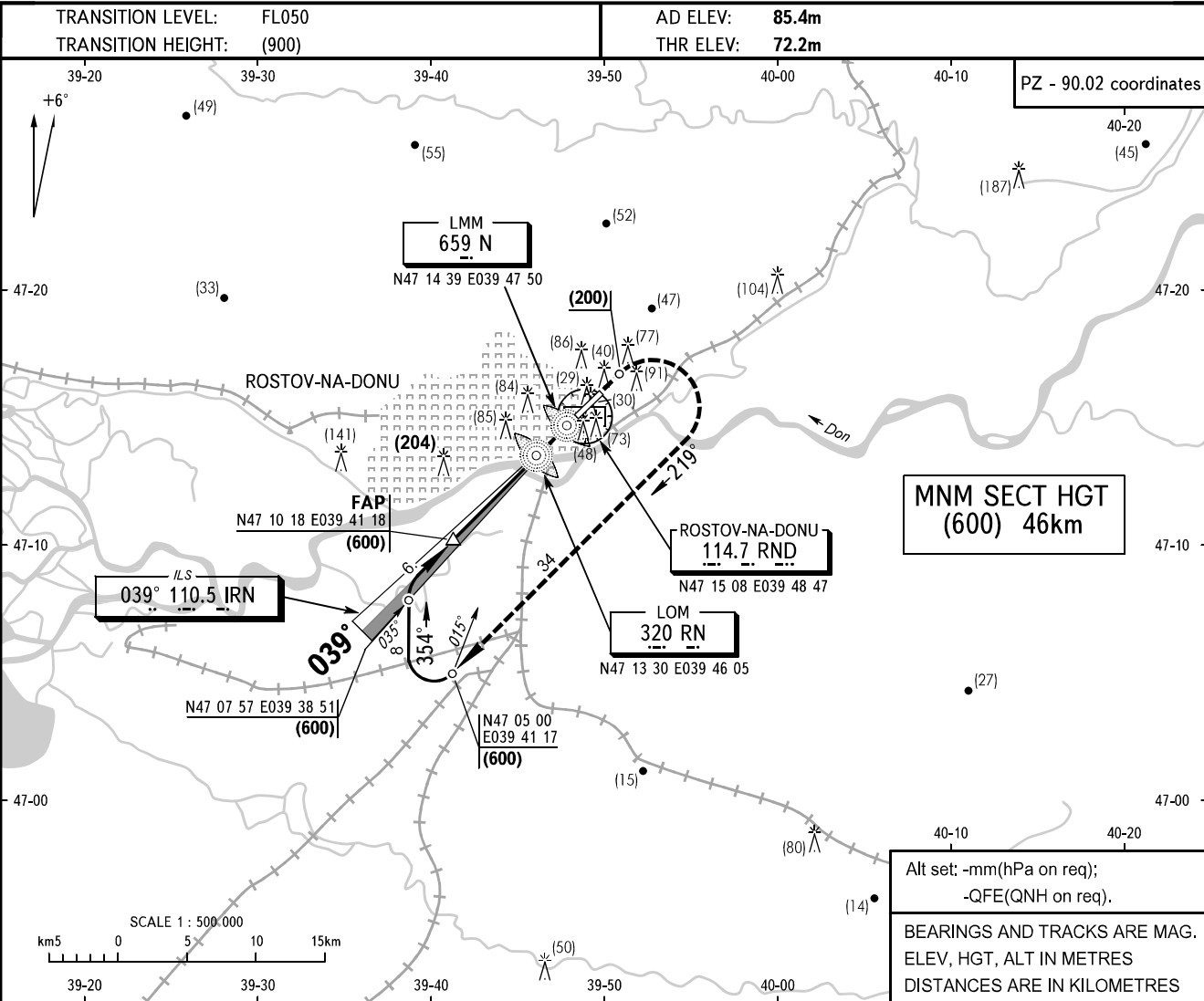
WARNING:

1. All stands are AVBL for class 4 ACFT.
2. Stand 41 is AVBL for HEL with skid-equipped landing gear.
3. Restrictions for A-320-100 and A-320-200 ACFT also apply to ACFT with two-wheeled main landing gears.

CHANGE: ACFT types

INSTRUMENT
APPROACH
CHART - ICAO

ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU
ILS RWY 04

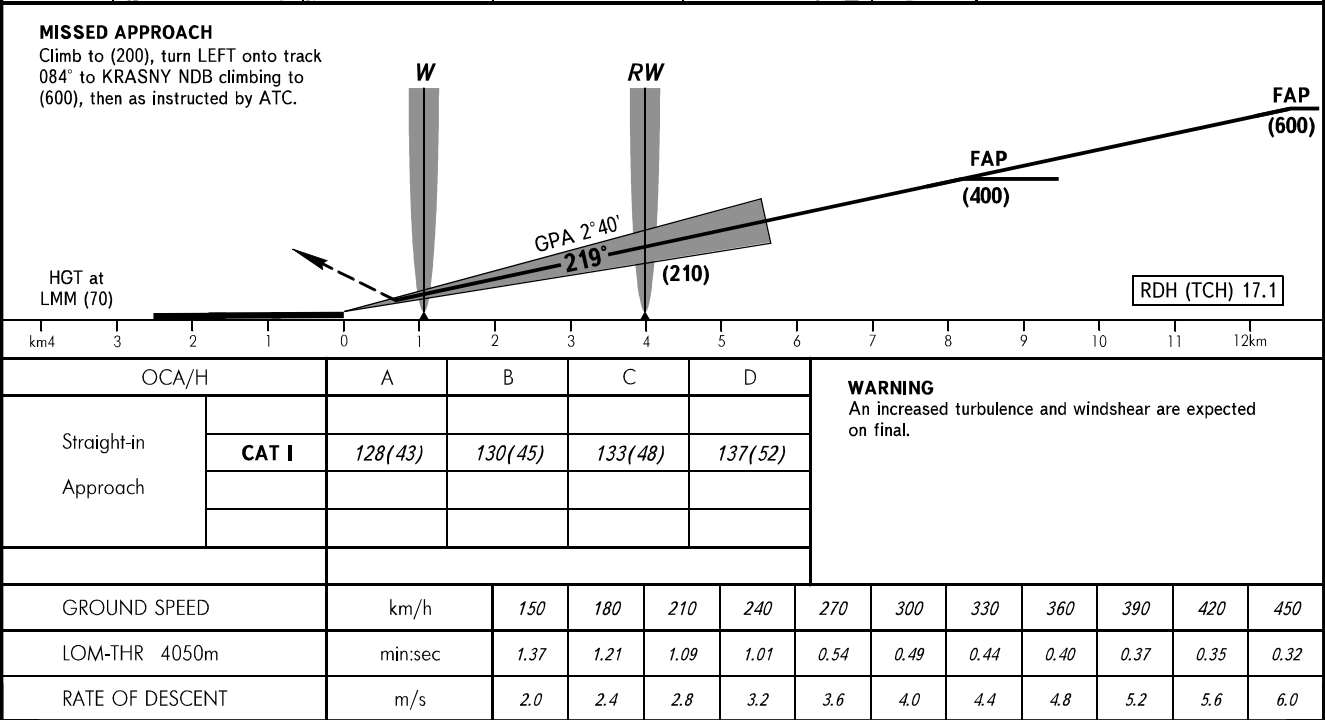
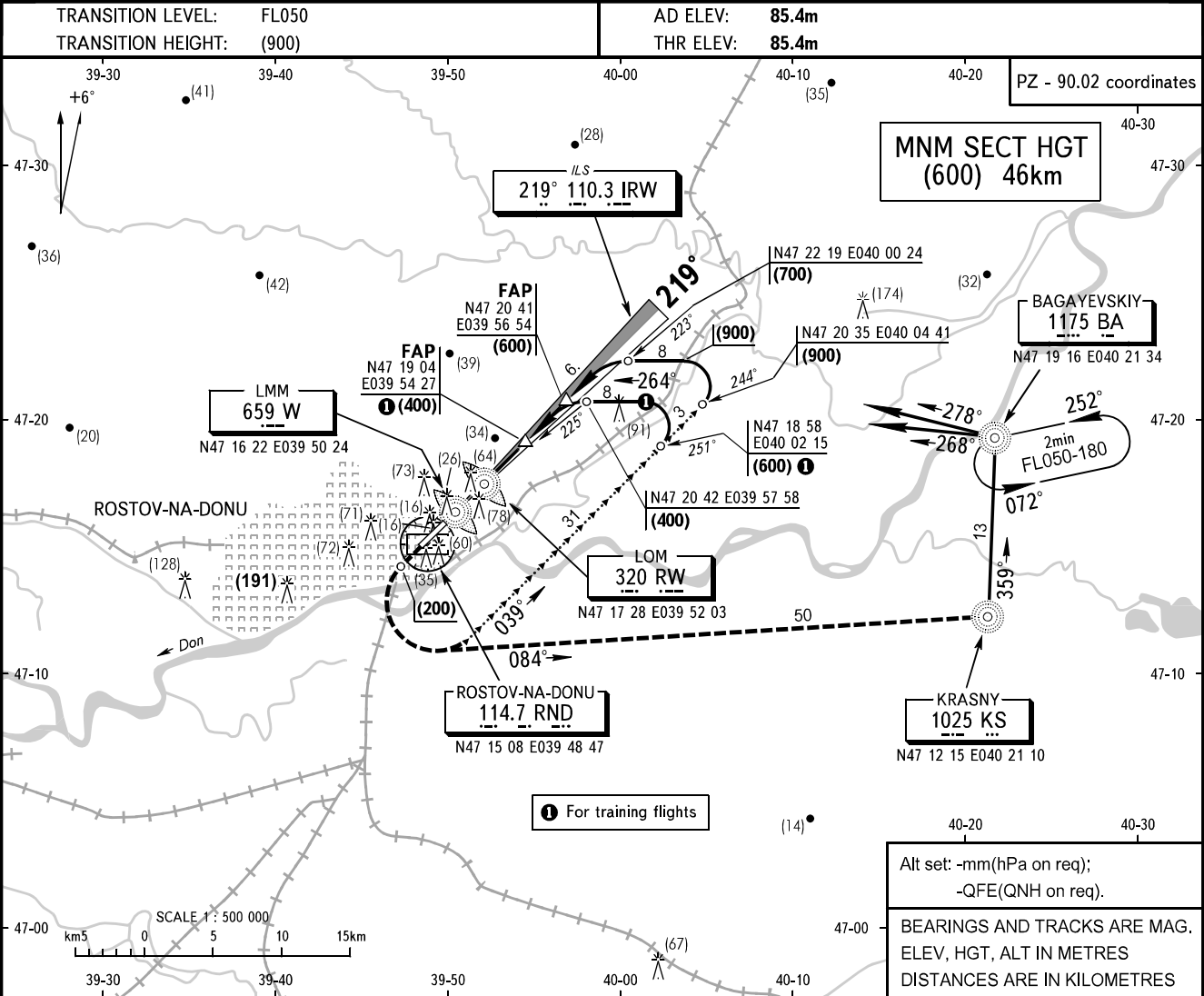


OCA/H		A	B	C	D	WARNING An increased turbulence and windshear are expected on final.									
Straight-in Approach	CAT II	87(15)	90(18)	94(22)	98(26)										
	CAT I	115(43)	118(46)	122(50)	126(54)										
GROUND SPEED		km/h	150	180	210	240	270	300	330	360	390	420	450		
LOM-THR 4030m		min:sec	1.37	1.21	1.09	1.01	0.54	0.48	0.44	0.40	0.37	0.35	0.32		
RATE OF DESCENT		m/s	1.9	2.3	2.7	3.1	3.5	3.9	4.3	4.7	5.1	5.5	5.8		

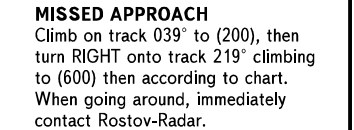
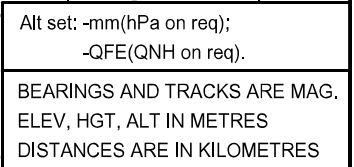
INSTRUMENT
APPROACH
CHART - ICAO

APPROACH 128.2 (127.1R)
RADAR 121.2
TOWER 119.7

ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU
ILS RWY 22



ROSTOV-NA-DONU, RUSSIA
ROSTOV-NA-DONU
2 NDB, 1 NDB RWY 04



OCA/H			A	B	C		D		WARNING An increased turbulence and windshear are expected on final.						
Straight-in Approach	2 NDB	With FAF	186(114)	186(114)	186(114)		186(114)								
		WO FAF	197(125)	197(125)	197(125)		197(125)								
	1 NDB (LOM RN)	WO FAF	220(148)	220(148)	220(148)		220(148)								
	1 NDB (LMM N)	With FAF	259(187)	259(187)	259(187)		259(187)								
		WO FAF	426(354)	426(354)	426(354)		426(354)								
GROUND SPEED			km/h		150	180	210	240	270	300	330	360	390	420	450
LOM-THR 4030m			min:sec		1.35	1.19	1.08	1.00	0.53	0.48	0.43	0.40	0.36	0.34	0.31
RATE OF DESCENT			m/s		2.4	2.9	3.4	3.9	4.4	4.9	5.3	5.8	6.3	6.8	7.3

