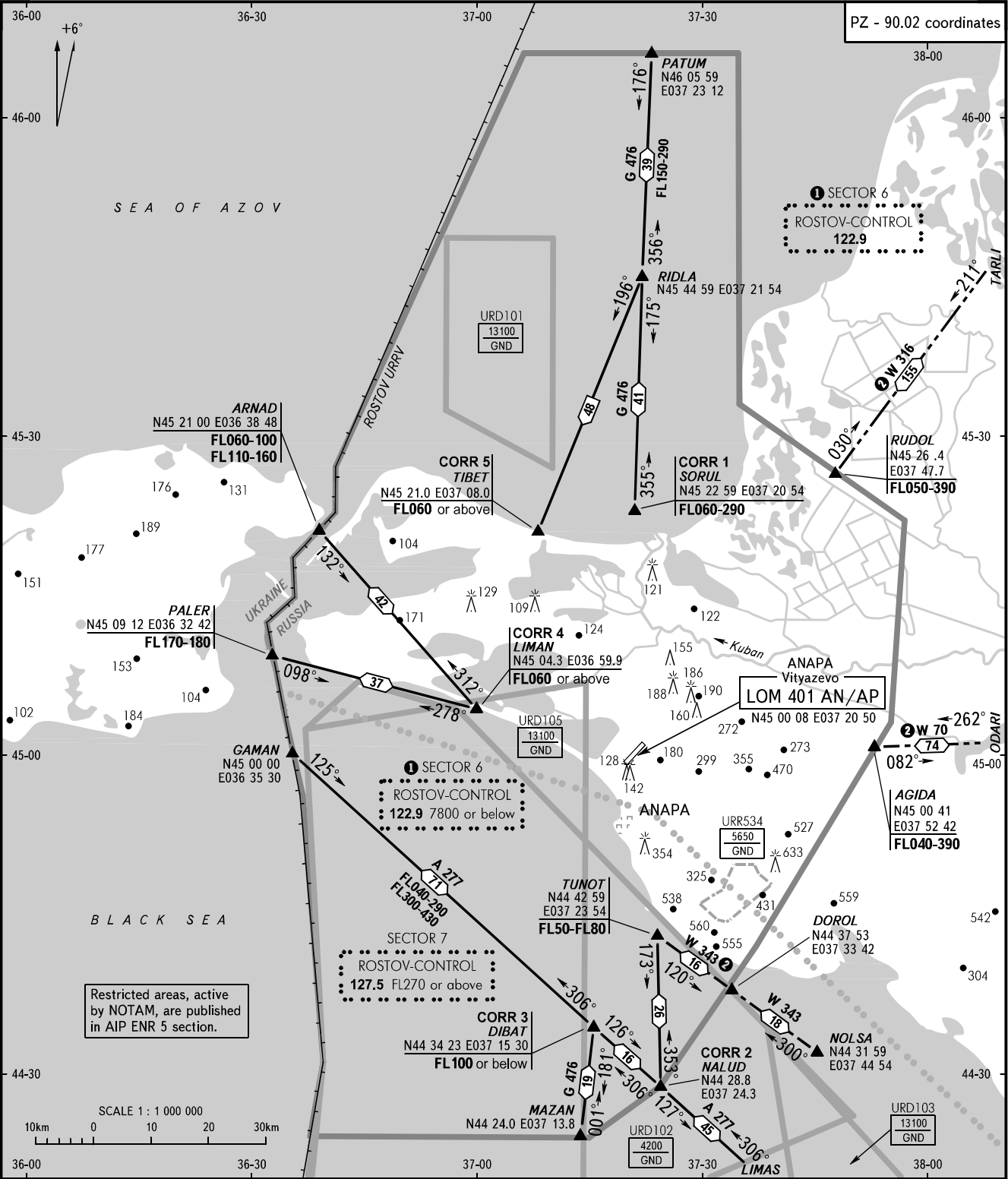


AREA CHART - ICAO

ARRIVAL, DEPARTURE
AND TRANSIT ROUTES

ANAPA, RUSSIA

TMA VITYAZEVO



KRUG
ATIS

118.7
125.4 ENG
135.9 RUS

1 Rostov-Control provides approach control service for ANAPA/Vityazevo AD and shall transfer the control over ACFT to Anapa-Krug at FL110 and shall accept the control over ACFT from Anapa-Krug at FL100 according to OPR HR of ANAPA/Vityazevo AD.

2 Only for Russian users of airspace.

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

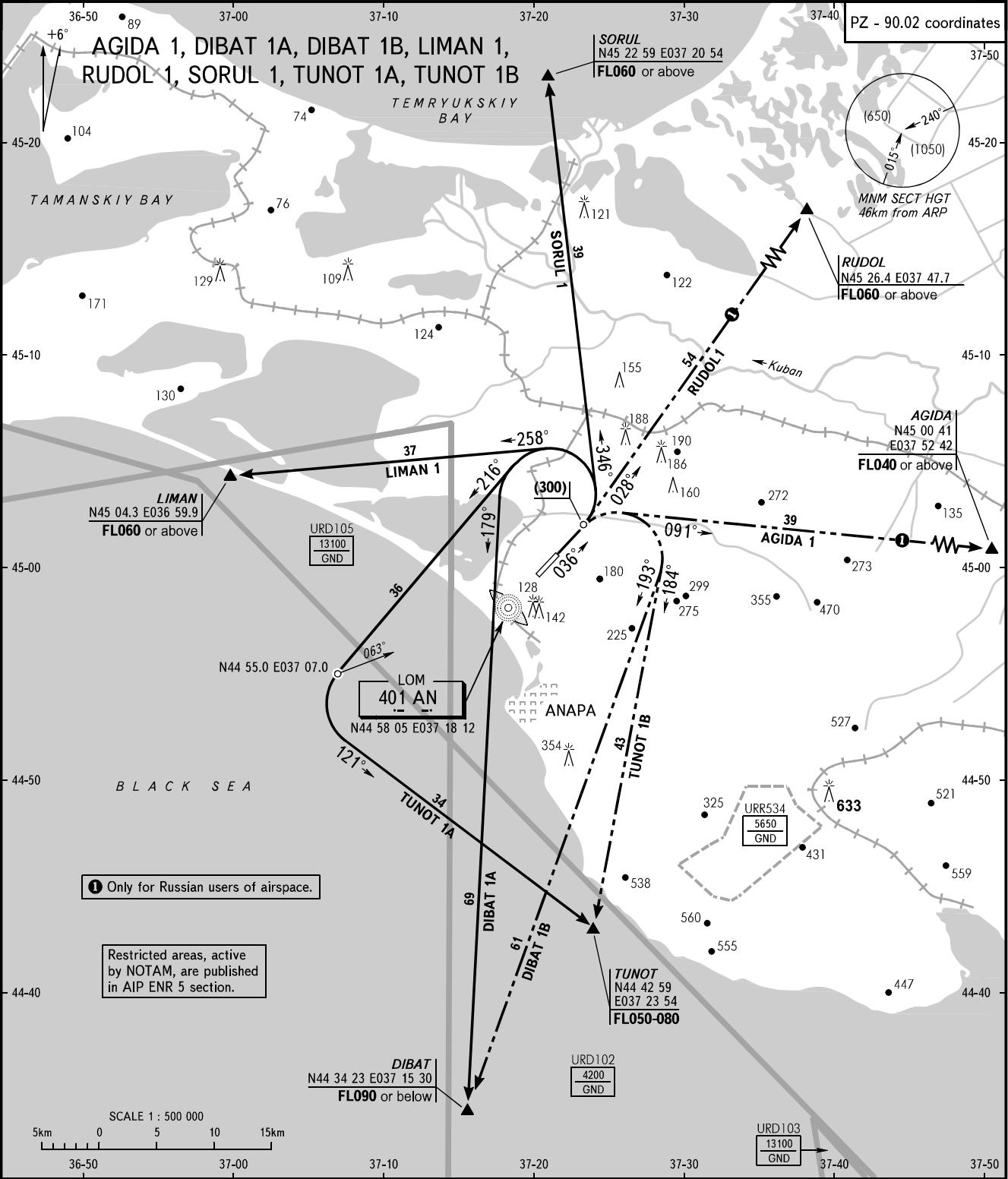
Federal Air Transport Agency

AIRAC AMDT 12/11

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION
HEIGHT : (1100)

ANAPA, RUSSIA
VITYAZEVO
RWY 04



START (Additionally serves as TAXIING)
KRUG (FL100 or below)
ROSTOV CONTROL (Serves as ANAPA APP at FL100 or above)

119.8
118.7
122.9

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

WARNING:

1. Departure along SID routes shall be carried out as follows:
- SORUL 1 - with climb gradient of not less than 3.8% up to FL060.
- LIMAN 1 - with climb gradient of not less than 4.0% up to FL060.

Ground speed km/h	300	350	400	450	500	550
Rate of climb m/s	3.8%	3.0	3.5	4.0	4.5	5.0
Rate of climb m/s	4.0%	3.3	3.9	4.4	5.0	5.6
						6.1

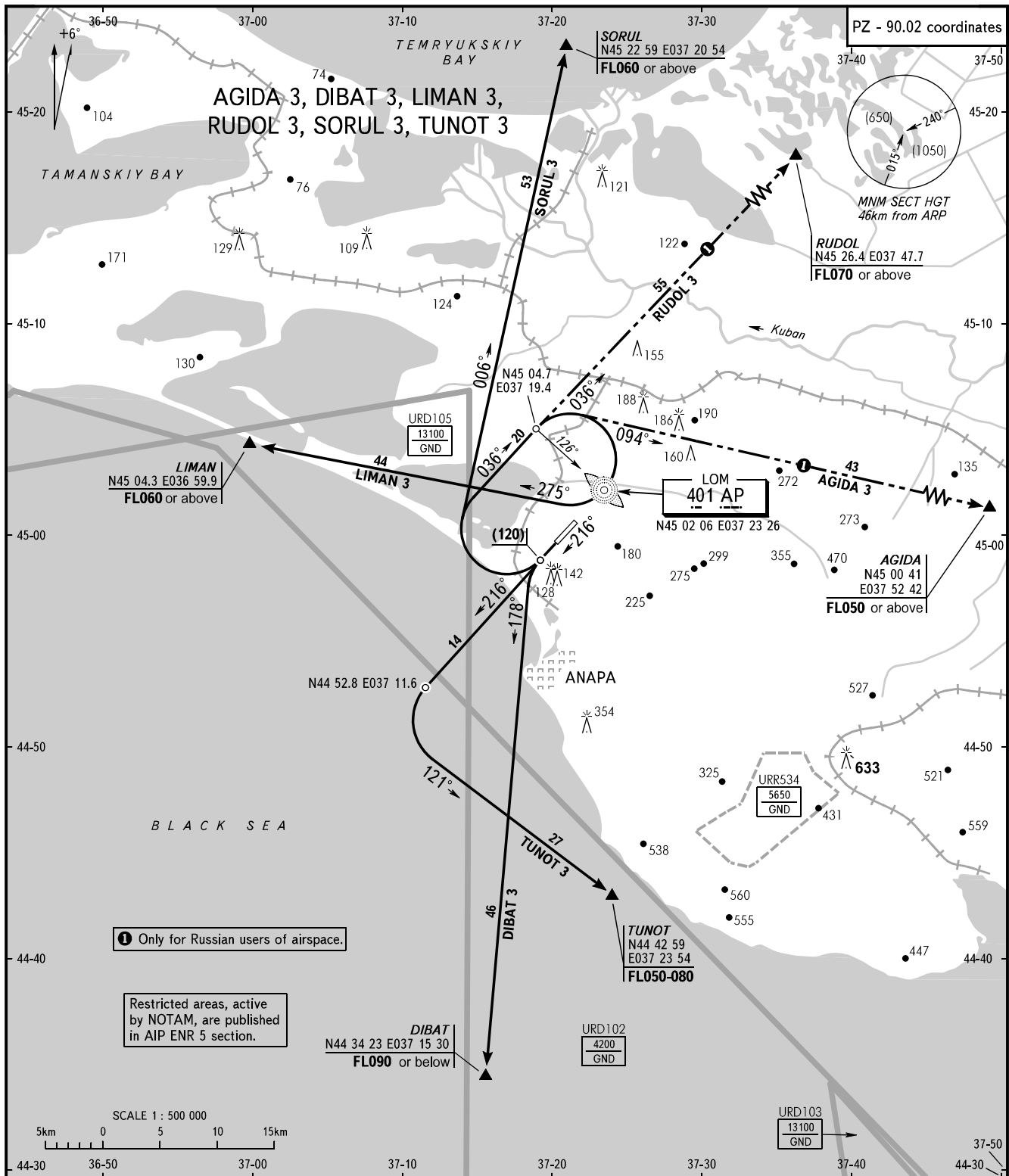
2. Departure along SID routes DIBAT 1B and TUNOT 1B is allowed when there is no opposite traffic in corridor 2.
3. Departures along all SID routes shall be carried out under radar control.

STANDARD DEPARTURE CHART

INSTRUMENT (SID) - ICAO

TRANSITION
HEIGHT : **(1100)**

ANAPA, RUSSIA
VITYAZEVO
RWY 22



START (Additionally serves as TAXIING)	119.8
KRUG (FL100 or below)	118.7
ROSTOV CONTROL (Serves as ANAPA APP at FL100 or above)	122.9

WARNING:

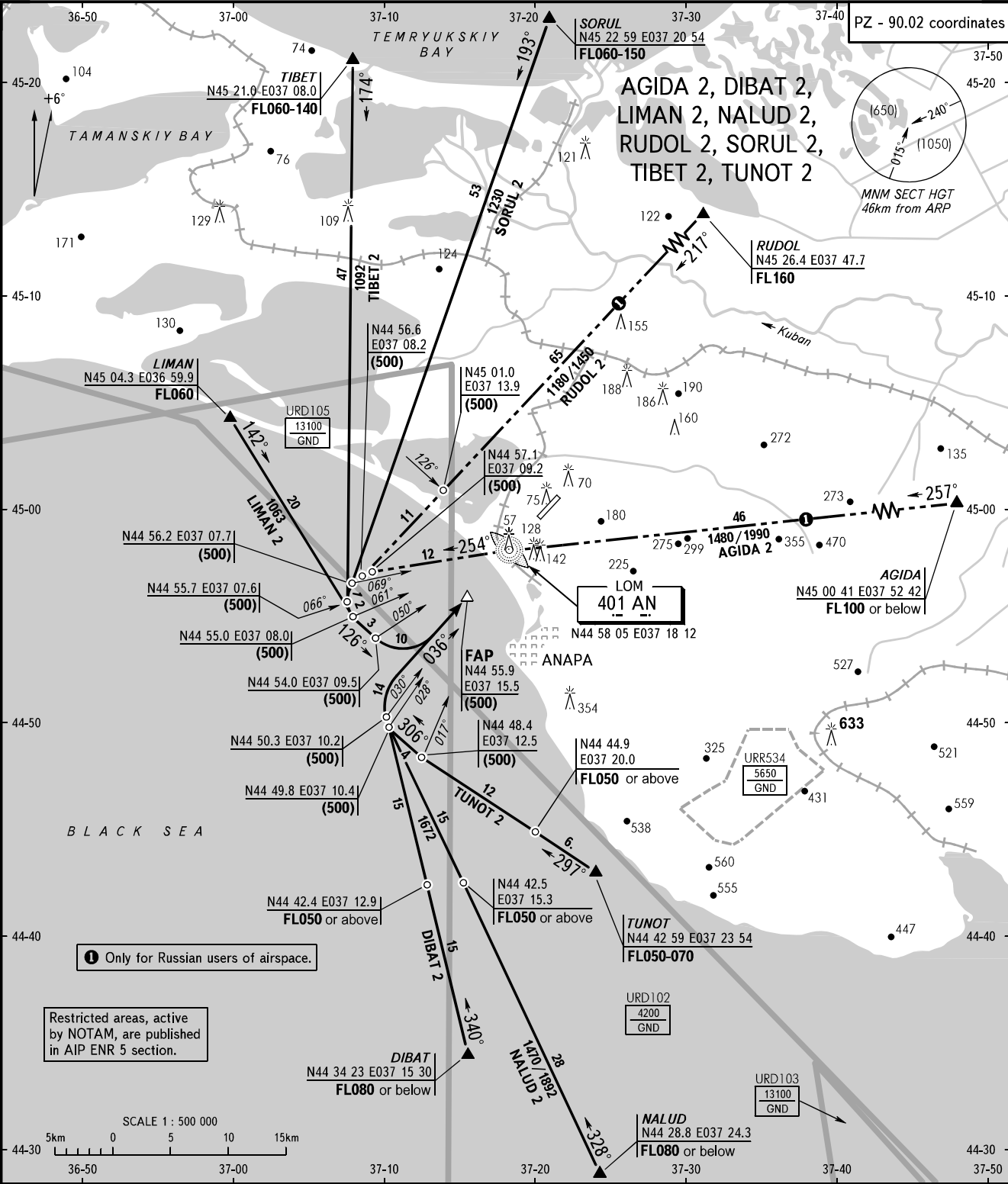
1. Take-off on heading 216° MAG shall be carried out using noise abatement procedures.
2. Right turn after take-off at (120)m shall be carried out with minimum radius.
3. Departures along all SID routes shall be carried out under radar control.

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

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION
LEVEL : **FL050**

ANAPA, RUSSIA
VITYAZEVO
RWY 04



ROSTOV CONTROL (Serves as ANAPA-APP at FL110 or above) **122.9**
KRUG (FL110 or below) **118.7**

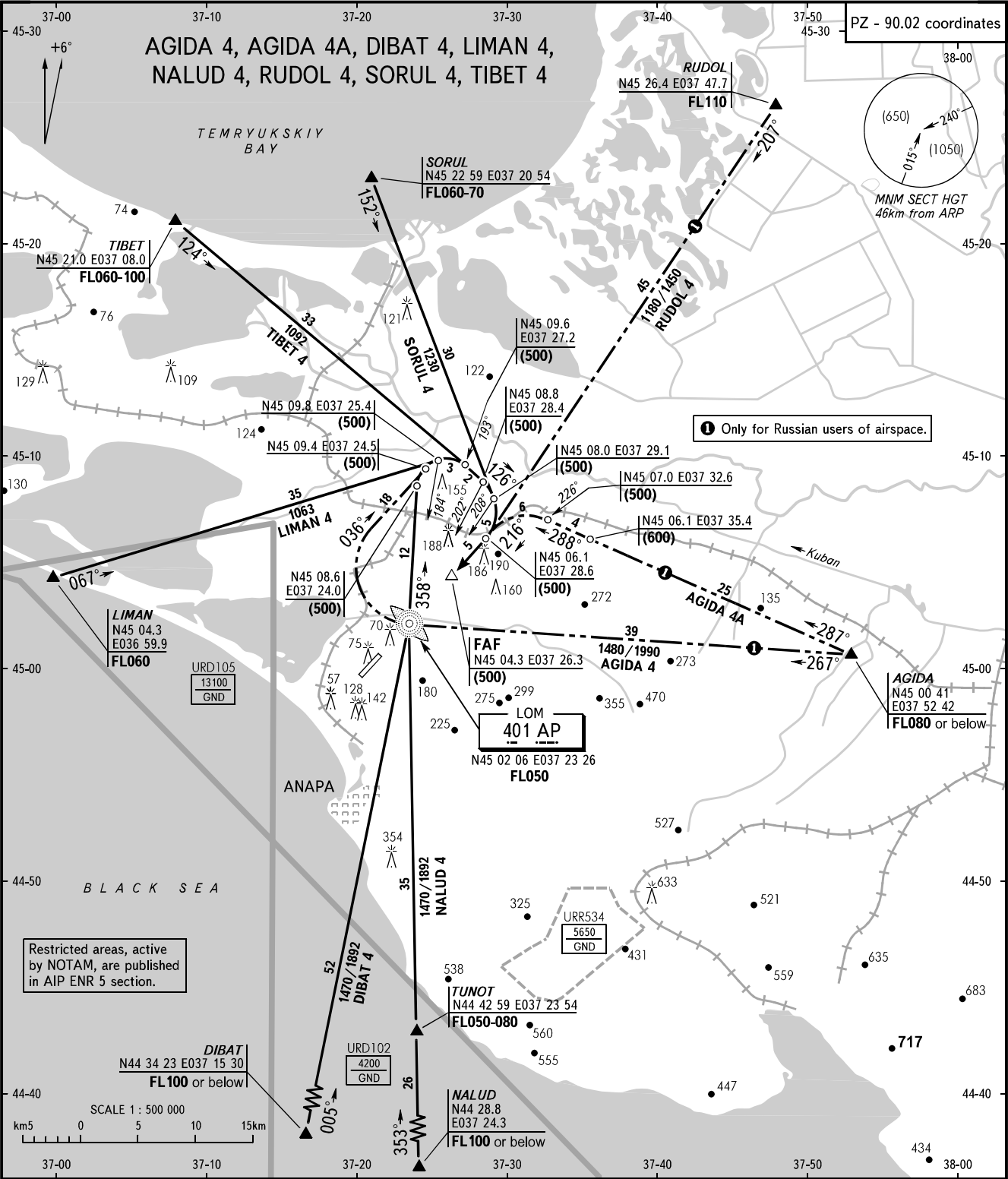
WARNING:
1. FL by ATC.
2. Arrival and approach-to-land procedure till establishing on final shall be carried out under control of ATC controller.

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

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION
LEVEL : **FL050**

ANAPA, RUSSIA
VITYAZEVO
RWY 22

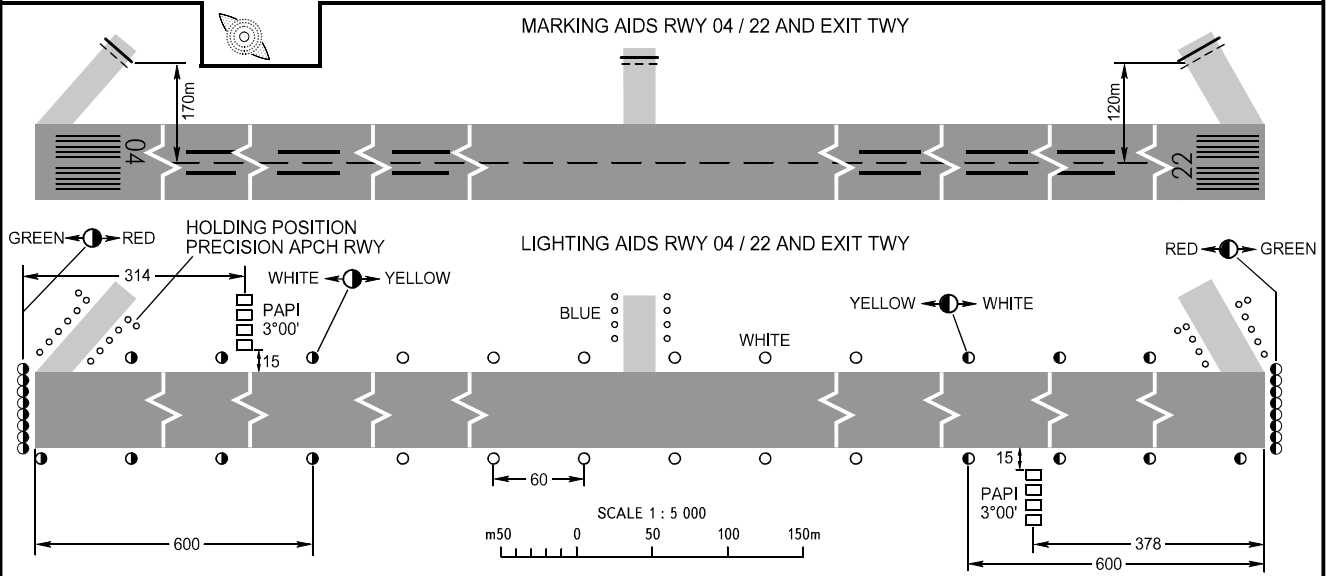
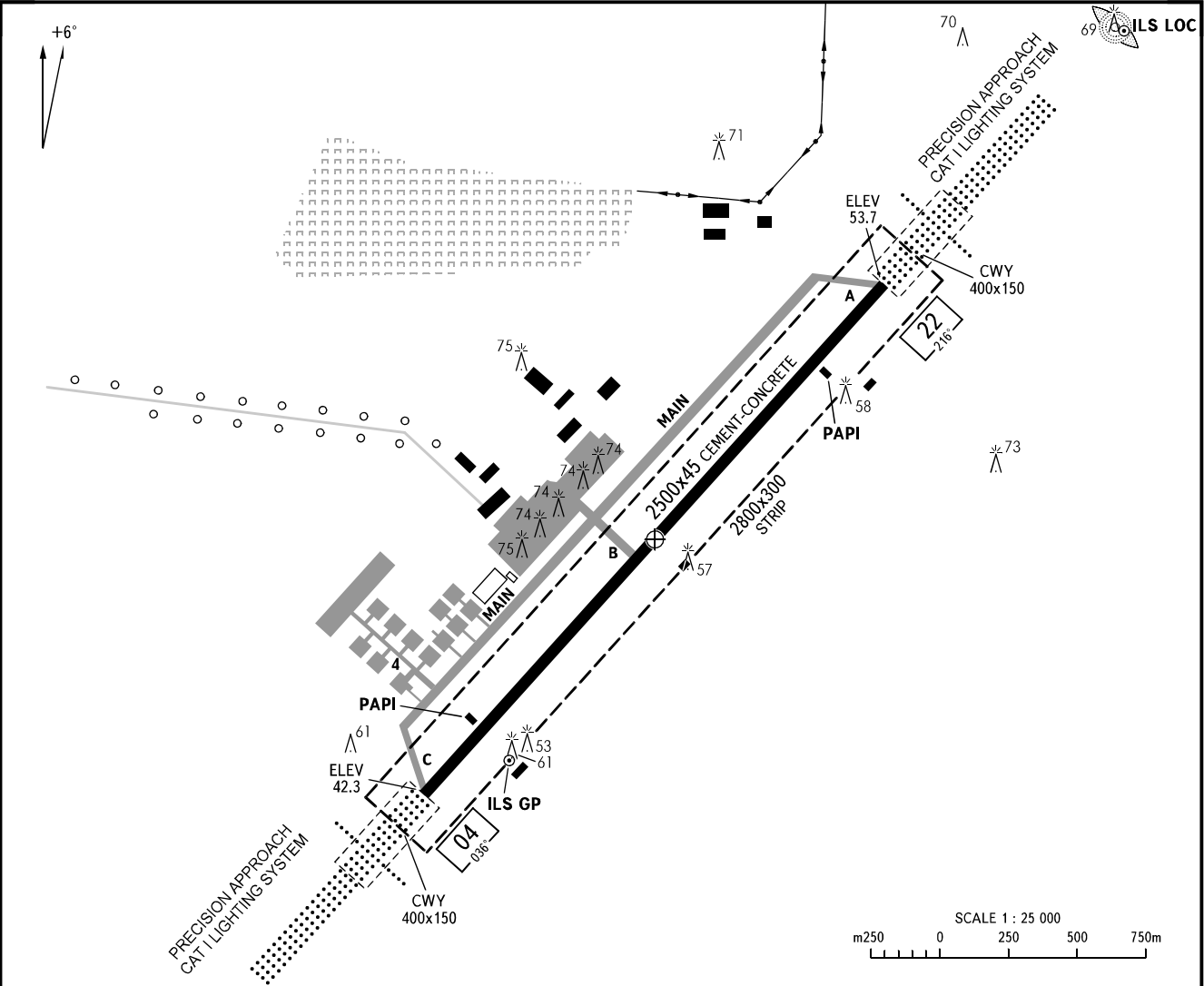


ROSTOV CONTROL (Serves as ANAPA APP at FL110 or above)
KRUG (FL110 or below)

122.9
118.7

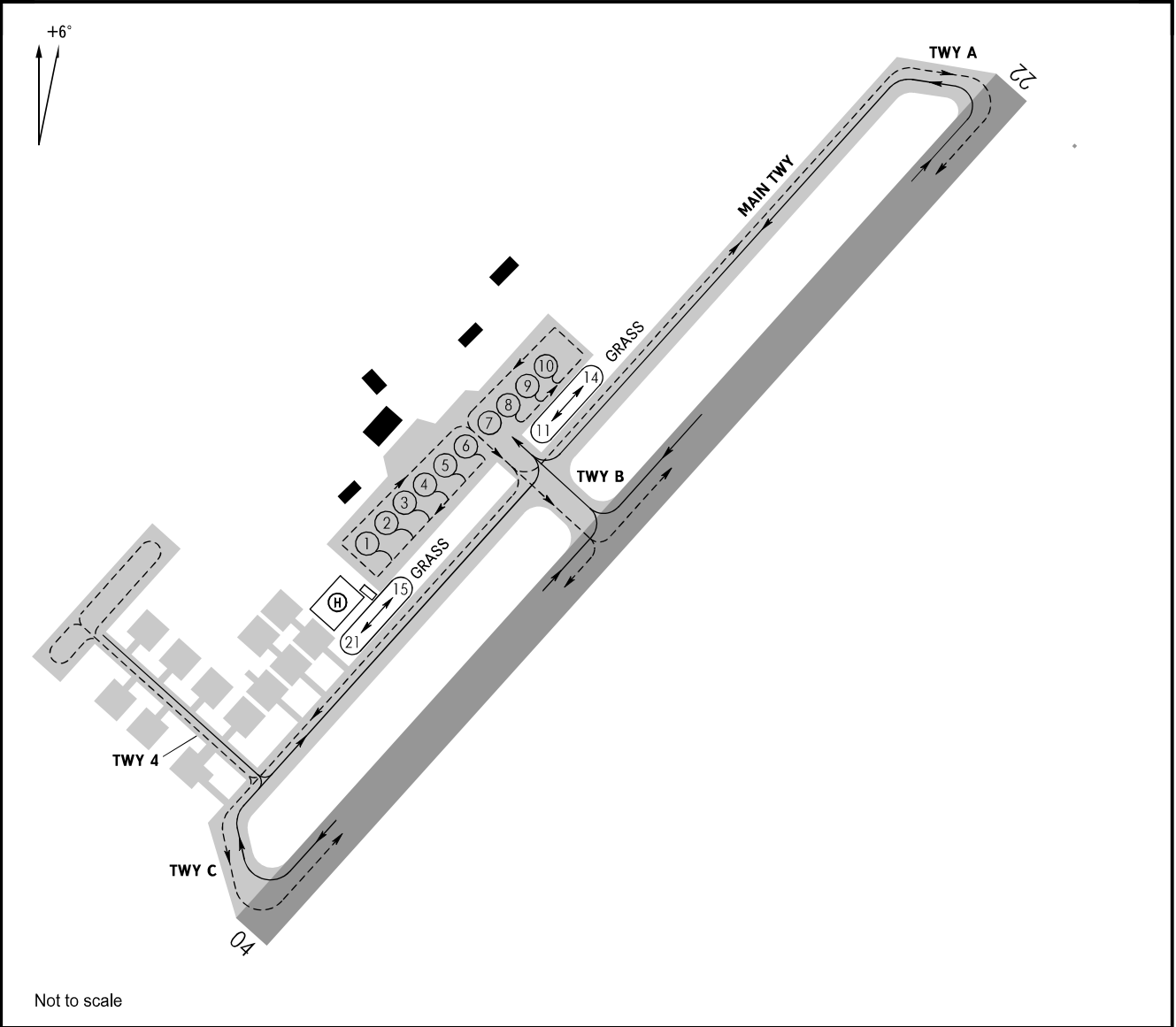
BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN METRES
DISTANCES ARE IN KILOMETRES

WARNING:
1. FL by ATC.
2. Arrival and approach-to-land procedure till establishing on final shall be carried out under control of ATC controller.



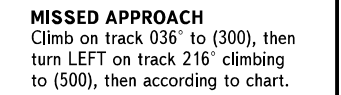
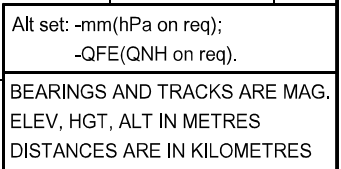
AERODROME LIGHTING	RWY	DIRECTION (TRUE)	THR	BEARING STRENGTH
Approach: RWY 04 HIALS RWY 22 HIALS	04	042°16'46"	N44°59'37.6" E037°20'11.8"	PCN 52 /R/B/W/T
Runway: Edge-white, last 600m yellow HIRL	22	222°16'46"	N45°00'37.6" E037°21'28.6"	
Threshold: Green				

ELEVATIONS AND
DIMENSIONS IN METRES
BEARINGS ARE MAGNETIC



APRON: Surface: Reinforced Concrete Strength: Stands: 1-6 - PCN 32/R/B/X/T 7-10 - PCN 18/R/B/X/T TAXIWAYS: Width: A, B, C, MAIN - 21m 4 - 14m Surface: A, C, MAIN - Cement-Concrete B, 4 - Reinforced Concrete Strength: A, C, MAIN - PCN 26/R/B/X/T B - PCN 28/R/B/X/T 4 - PCN 18/R/D/W/U WARNING: 1. Take-off from RWY 04: when taxiing from TWY B along the MAIN TWY to the holding position, turning from TWY B onto the MAIN TWY shall be carried out at idle power. 2. When TWY B is occupied: ACFT taxiing from apron on to MAIN TWY or ACFT disposed on MAIN TWY for taxiing to apron shall wait for TWY B vacation. 3. During taxiing out of stand 2 and stand 4 and taxiing along the apron the flight crews of Tu-154M ACFT shall exercise extreme caution. Taxiing shall be carried out strictly along the marking.	ACFT types: Il-76T, Il-76TD Il-18 Il-114 Tu-204, Tu-204-100, Tu-214 Tu-134, An-148 Tu-154B, Tu-154M Yak-40 Yak-42 An-12 An-24, An-26 An-24, An-28, Yak-40, L-410 General Aviation ACFT FOKKER 70, FOKKER 72 B737-300, B737-400, B737-500, B737-700, B737-800, A-321, A-319-100, A-320-200 EMB-120 Mi-8 HEL HEL of all types	STANDS: joint stand 4 and 5 1-6 7-10 6 1-10 1-6 7-10 1-6 1-6 7-10 11-14 (GRASS) 15-21 (GRASS) 1-6 1-6 7-10 7-10 (H) (GRASS)
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ANAPA, RUSSIA
VITYAZEVO
ILS DME, 2 NDB RWY 04



OCA/H		A	B		C		D							
Straight-in Approach														
	CAT I	86(43)	89(46)	93(50)	97(54)									
	2 NDB	151(108)	151(108)	151(108)	151(108)									
GROUND SPEED		km/h	150	180	210	240	270	300	330	360	390	420	450	
LOM-THR 3800m		min:sec	1.31	1.16	1.05	0.57	0.51	0.46	0.41	0.38	0.35	0.33	0.30	
RATE OF DESCENT (Grad 5.2%)		m/s	2.2	2.6	3.1	3.5	3.9	4.4	4.8	5.3	5.7	6.1	6.6	

INSTRUMENT
APPROACH
CHART - ICAO

KRUG118.7

ANAPA, RUSSIA
VITYAZEVO
2 NDB RWY 22

