

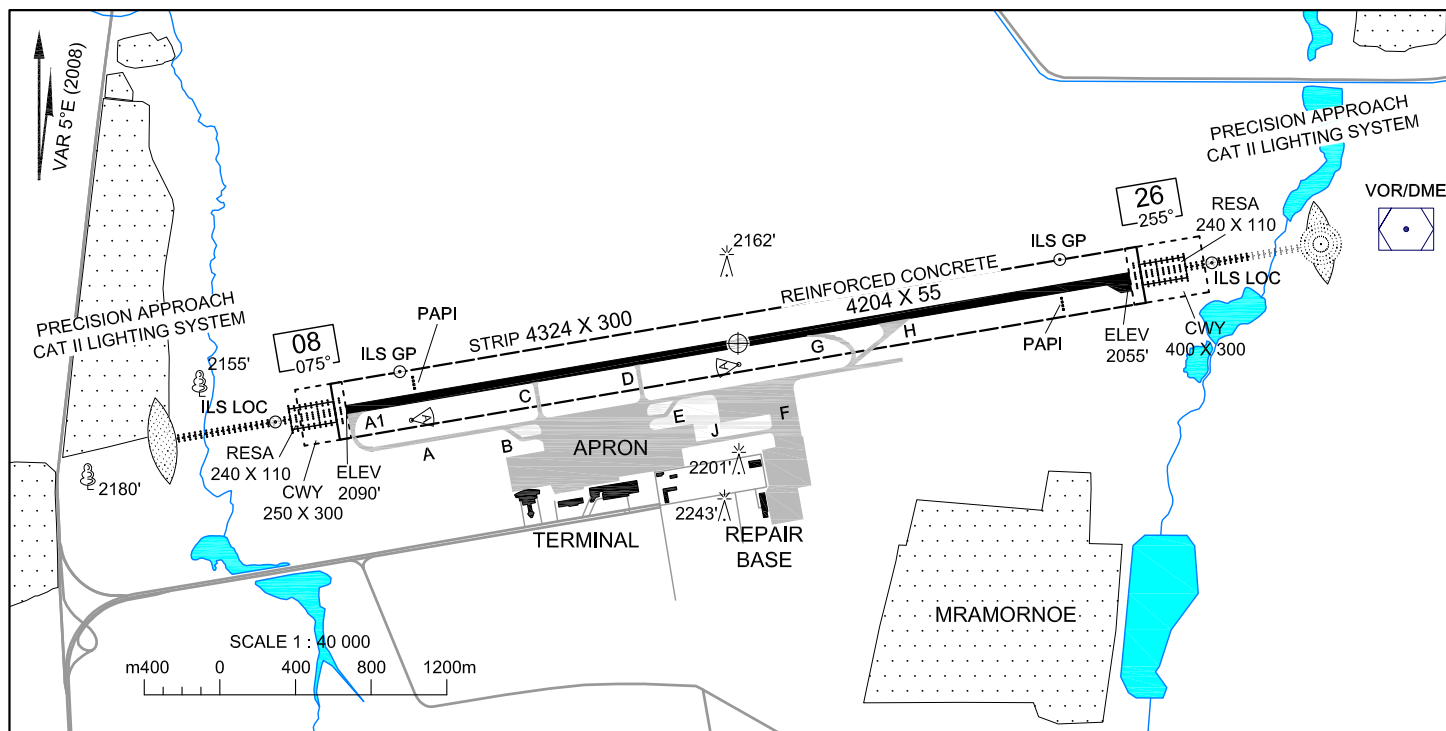
AERODROME
CHART - ICAO

ARP
43°03'40.58"N
074°28'39.03"E

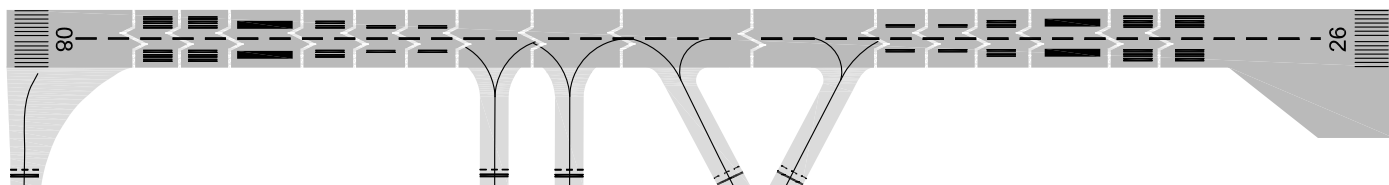
AD ELEV
2090'

TWR 118.1
GND 121.7
MET 127.9

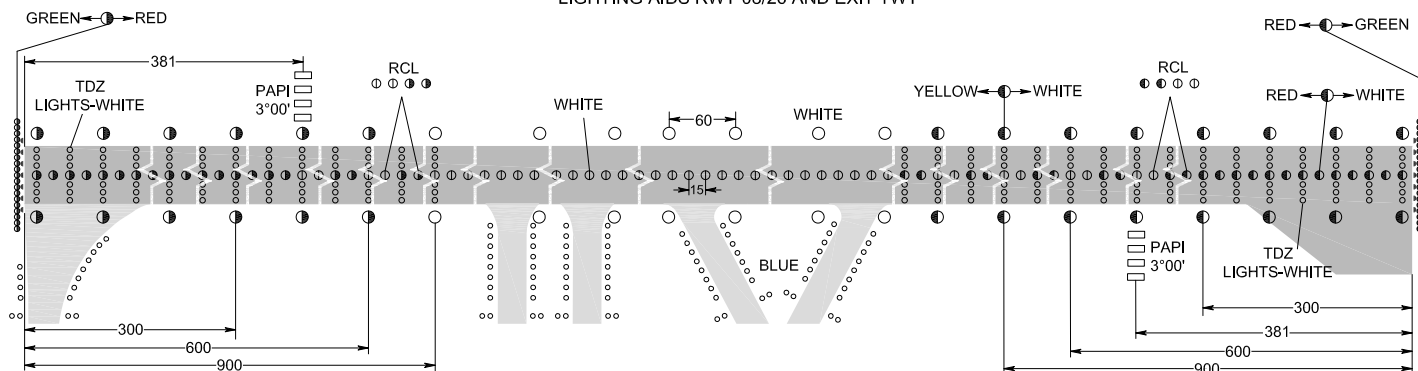
BISHKEK, KYRGYZSTAN
MANAS



MARKING AIDS RWY 08/26 AND EXIT TWY



LIGHTING AIDS RWY 08/26 AND EXIT TWY



RWY	DIRECTION (TRUE)	THR	BEARING STRENGTH
08	079.98°	43°03'28.74"N 074°27'07.55"E	PCN 53/R/A/X/T
26	260.02°	43°03'52.40"N 074°30'10.53"E	

ELEVATIONS IN FEET
DIMENSIONS IN METRES
BEARINGS ARE MAGNETIC

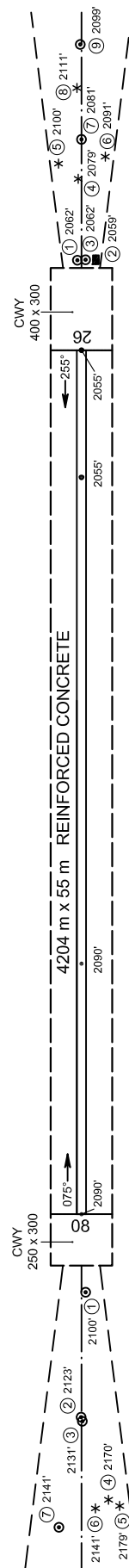
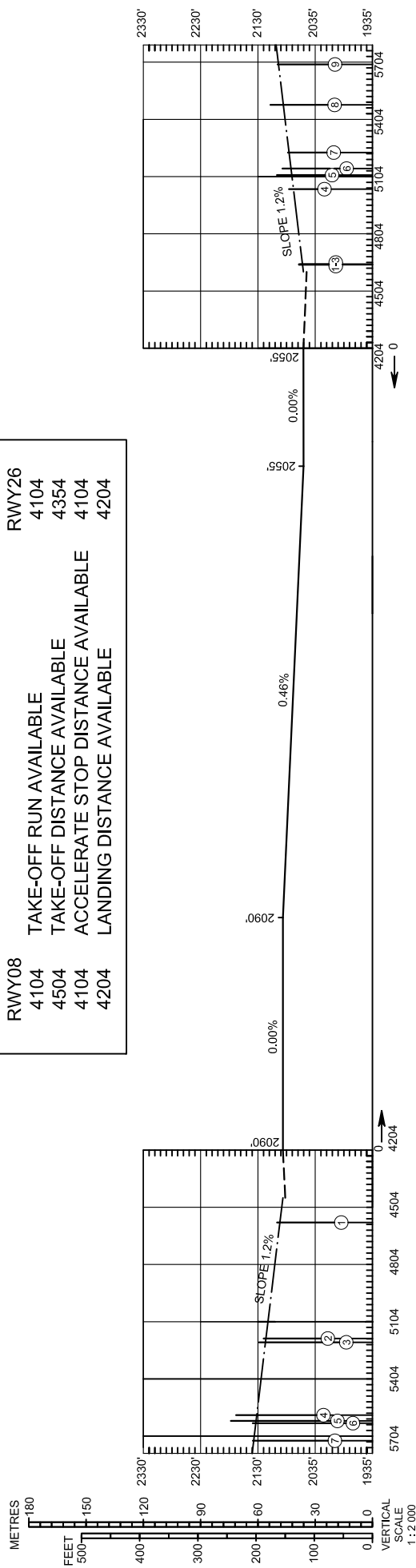
CHANGE: Direction (True)

BISHKEK, KYRGYZSTAN
MANAS
RWY 08/26

AERODROME OBSTACLE CHART - ICAO

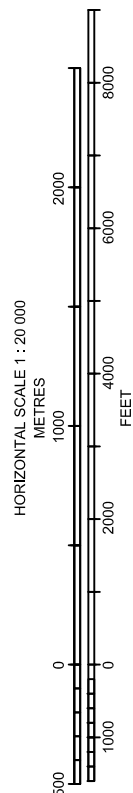
MAGNETIC VARIATION 5° E 2015

DECLARED DISTANCES	
RWY08	RWY26
4104	4104
4504	4354
4104	4104
4204	4204
	TAKE-OFF RUN AVAILABLE
	TAKE-OFF DISTANCE AVAILABLE
	ACCELERATE STOP DISTANCE AVAILABLE
	LANDING DISTANCE AVAILABLE



NOTE
The first 100m of RWY 08/26 are unusable for take-off.

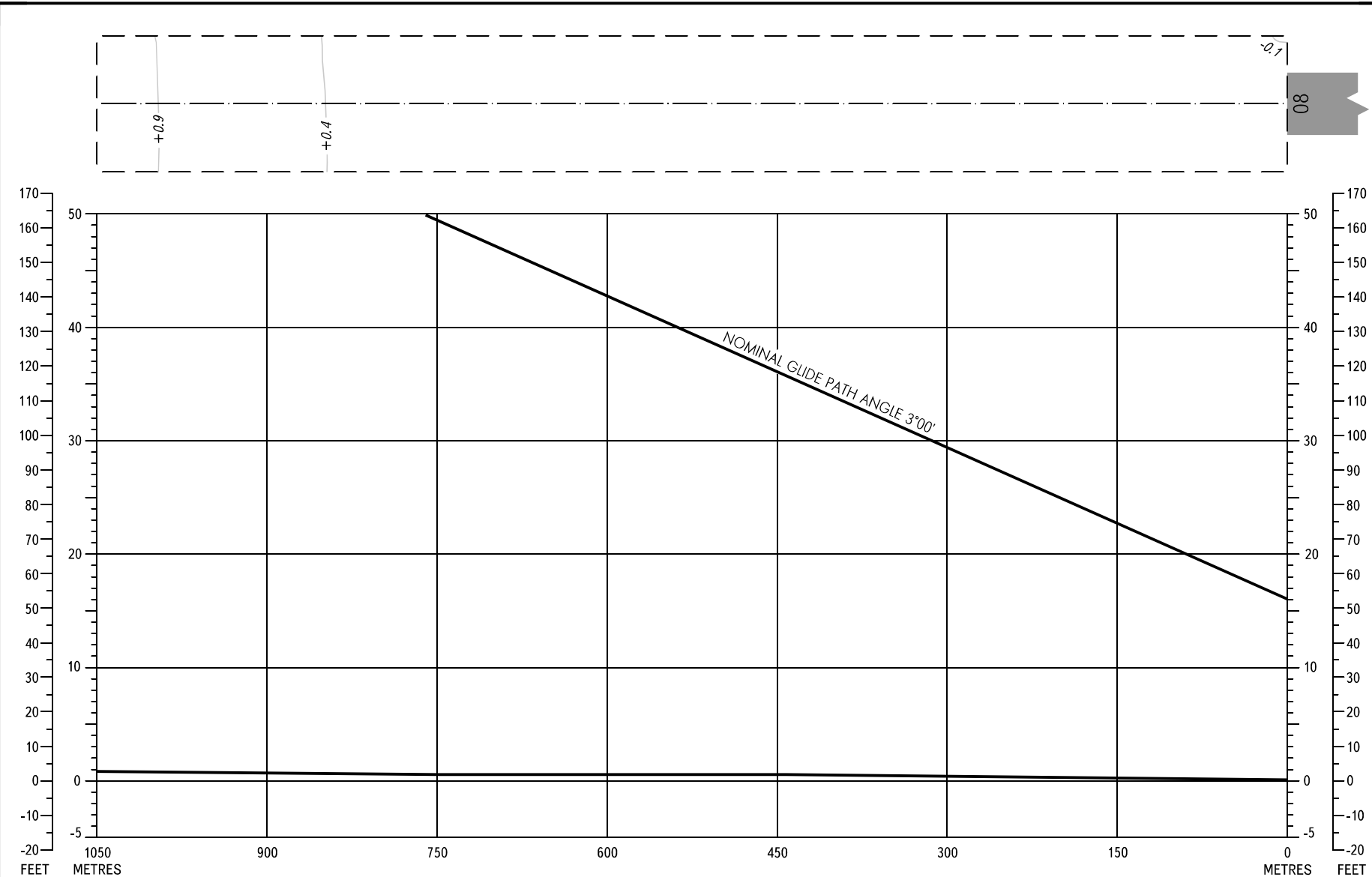
LEGEND	
Identification number	①
Pole, tower, chimney, antenna	⊙
Tree, shrub	*
Building	■

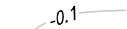


PRECISION APPROACH
TERRAIN CHART - ICAO

DISTANCES IN METRES
HEIGHTS IN FEET

BISHKEK, KYRGYZSTAN
MANAS
RWY 08



LEGEND	
CONTOUR	
CENTRE LINE PROFILE	

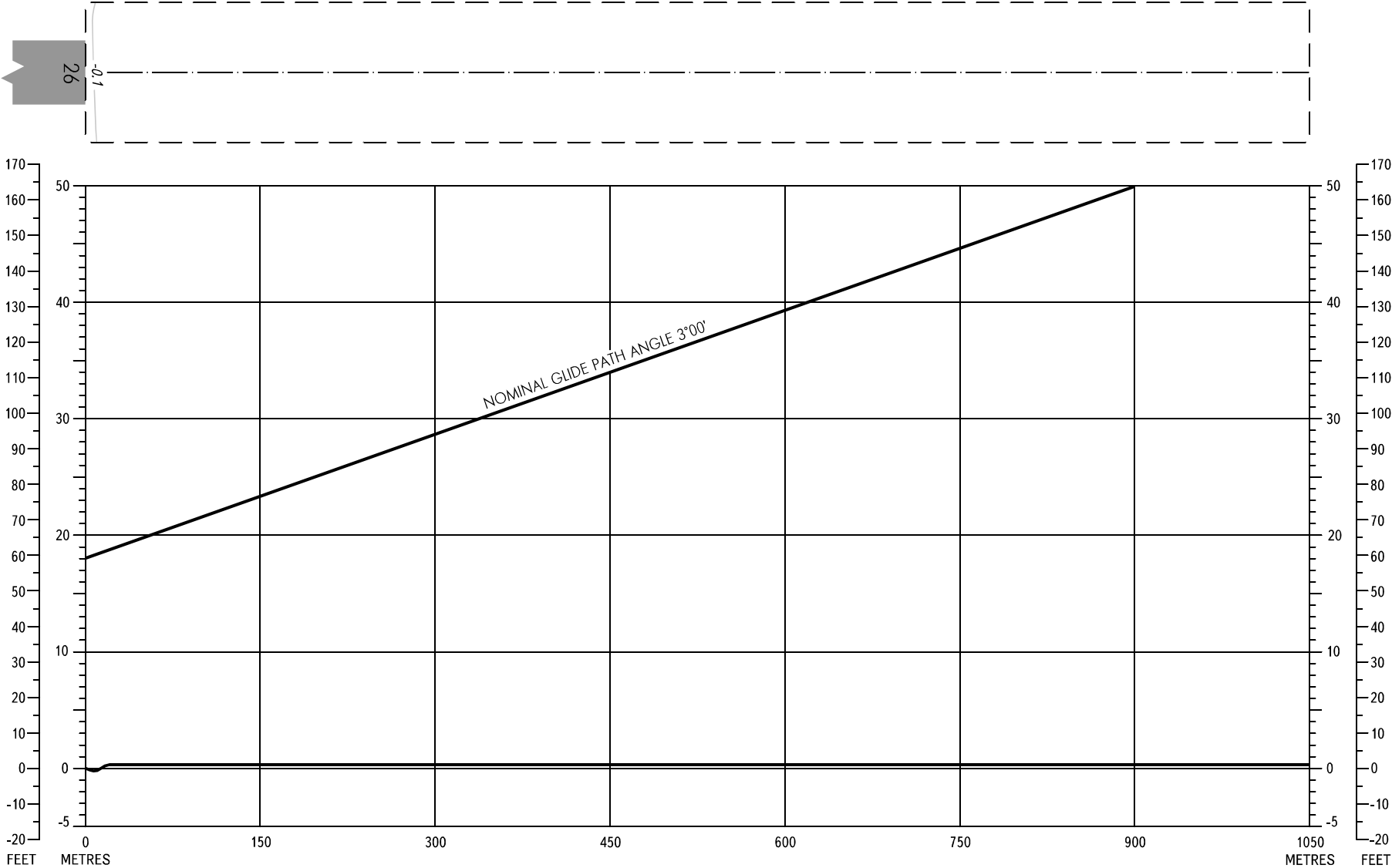
HORIZONTAL SCALE 1 : 5 000
VERTICAL SCALE 1 : 500

CONTOURS AND HEIGHTS ARE RELATED TO ELEVATION OF RWY THR

PRECISION APPROACH
TERRAIN CHART - ICAO

DISTANCES IN METRES
HEIGHTS IN FEET

BISHKEK, KYRGYZSTAN
MANAS
RWY 26



HORIZONTAL SCALE 1 : 5 000
VERTICAL SCALE 1 : 500

CONTOURS AND HEIGHTS ARE RELATED TO ELEVATION OF RWY THR

LEGEND

CONTOUR

CENTRE LINE PROFILE

0.1

0.1

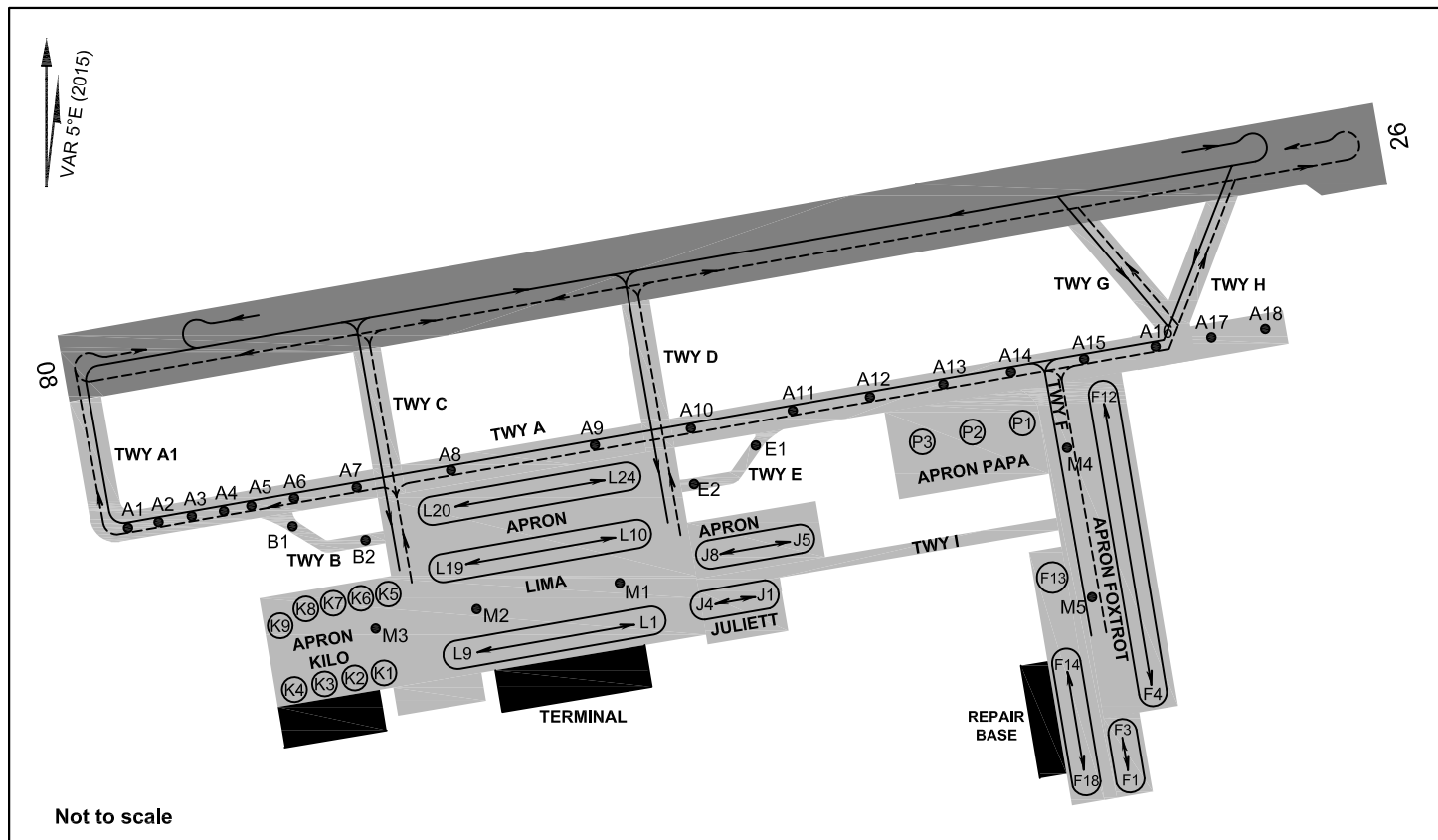
26

0.1

AERODROME GROUND MOVEMENT
AND AIRCRAFT PARKING CHART - ICAO

TWR 118.1
GND 121.7
MET 127.9

BISHKEK, KYRGYZSTAN
MANAS



Not to scale

APRON KILO:

Surface: Asphalt-Concrete

Strength: Stands: K1-K9 - PCN 37/R/A/W/T

APRON LIMA:

Surface: Reinforced Concrete

Strength: Stands: L1-L6, L10-L19 - PCN 44/R/A/X/T
L7-L9 - PCN 53/R/A/X/T
L20-L22 - PCN 37/R/A/X/T
L23, L24 - PCN 24/R/A/X/T

APRON JULIETT:

Surface: Asphalt-Concrete

Strength: Stands: J1-J8 - PCN 22/F/C/X/T

TAXIWAYS:

Width: A1, A, C, D, F, G, H - 22.5m

Surface: Reinforced Concrete

Strength TWY: A1, A - PCN 53/R/A/X/T
C - PCN 70/R/A/X/T
D, F - PCN 61/R/A/X/T
G, H - PCN 58/R/A/X/T

Stands: L1, L2

- IL-86, MA-60, Mi-8, Tu-214, Yak-42, A-321, BAe-146-300, BAC-111, B767-300ER and below

L3

- An-26, IL-18, Yak-42, A-321, BAe-146-300, B757-200 and below

L4, L5

- An-26, IL-86, Tu-214, Yak-42, A-340-300, BAe-146-300, BAC-111, B747-400 and below

L6

- An-26, Yak-40, BAe-146-300, BAC-111, B737-500 and below

L7

- An-12, An-72, IL-18, Tu-214, Yak-42, A-321, BAe-146-300, BAC-111, B757-200 and below

L8, L9

- An-12, An-72, IL-76, Tu-214, Yak-42, A-321, BAe-146-300, BAC-111, B767-200 and below

L10

- An-12, An-72, IL-18, MA-60, Mi-8, Yak-42, A-321, BAe-146-300, BAC-111, B737-800, RJ-85, SF-34 and below

L11-13

- An-12, An-72, IL-18, MA-60, Yak-42, A-310-200, A-321, BAe-146-300, BAC-111, B757-200, RJ-85, SF-34 and below

L14-16

- An-12, An-72, IL-18, MA-60, Tu-214, Yak-42, A-321, BAe-146-300, BAC-111, B767-200, RJ-85, SF-34 and below

L17-19

- An-24, An-26, MA-60, Mi-8, Tu-134, Yak-40, BAe-146-300, BAC-111, B737-500, RJ-85, SF-34 and below

L20

- An-124, IL-96, A-340-300, B747-400 and below

L21, L22

- IL-96, A-340-300, B747-400 and below

L23

- An-124, IL-96, A-340-300, B747-400 and below

L24

- An-124, IL-96, A-340-300, B747-800 and below

J1-8

- Yak-40, An-24, RJ-85, BAe-146-200, BAe-146-300, BAC-111, B737-100, B737-200, B737-300, B737-400, B737-500, B737-700, B737-800, B737-BBJ2, Foker-50 (on J4 ACFT wight should be less than 19m. and length should be less than 23.5m)

K1-K4

- Tu-154

K5-K7

- Tu-134, An-24, B737-400 and below

K8

- Yak-40

K9

- King Air-350

P1-P2

- An-124, B747-800 and below

P3

- IL-76 and below

F1-F3

- B737-800 and below

F4-F7

- B757-200 and below

F8

- B767-300 ER and below

F9-F12

- B747-400 and below

F13

- B737-800 and below

F14

- Tu-134 and below

F15-F18

- Tu-154 and below

Start-up points:

A1-A16, M1-M5 - all ACFT
B1, B2, E1, E2 - IL-76

CHANGE: New list of ACFT on stands

COORDINATES FOR AIRCRAFT STANDS

BISHKEK
Manas

Coordinates of the stands (Apron "LIMA")		
STAND NR	LATITUDE	LONGITUDE
L1	43°03'18.77"N	074°28'17.97"E
L2	43°03'18.48"N	074°28'15.57"E
L3	43°03'18.16"N	074°28'13.01"E
L4	43°03'17.08"N	074°28'10.80"E
L5	43°03'16.61"N	074°28'07.14"E
L6	43°03'17.38"N	074°28'04.47"E
L7	43°03'16.84"N	074°28'02.18"E
L8	43°03'16.55"N	074°27'59.76"E
L9	43°03'16.15"N	074°27'56.66"E
L10	43°03'24.29"N	074°28'16.21"E
L17	43°03'21.96"N	074°28'00.25"E
L18	43°03'21.77"N	074°27'58.70"E
L19	43°03'21.53"N	074°27'56.71"E
L20	43°03'23.91"N	074°27'58.95"E
L21	43°03'24.39"N	074°28'02.58"E
L22	43°03'24.86"N	074°28'06.25"E
L23	43°03'25.35"N	074°28'10.02"E
L24	43°03'25.81"N	074°28'13.59"E

Coordinates of the stands (Apron "KILO")		
STAND NR	LATITUDE	LONGITUDE
K1	43°03'16.57"N	074°27'53.74"E
K2	43°03'16.32"N	074°27'51.78"E
K3	43°03'16.07"N	074°27'49.82"E
K4	43°03'15.82"N	074°27'47.86"E
K5	43°03'19.74"N	074°27'52.53"E
K6	43°03'19.54"N	074°27'50.93"E
K7	43°03'19.33"N	074°27'49.34"E
K8	43°03'19.13"N	074°27'47.74"E
K9	43°03'18.98"N	074°27'46.56"E

Coordinates of the stands (Apron "JULIETT")		
STAND NR	LATITUDE	LONGITUDE
J1	43°03'21.75"N	074°28'25.26"E
J2	43°03'21.55"N	074°28'23.73"E
J3	43°03'21.36"N	074°28'22.20"E
J4	43°03'21.19"N	074°28'20.90"E

BISHKEK, KYRGYZSTAN
TMA BISHKEK



**STANDARD DEPARTURE
ROUTES INSTRUMENT – (SID)**

BISHKEK, KYRGYZSTAN
Manas
RWY 08

GASTA 1, GASTA 1A

После взлета и набора высоты 2800', ЛЕВЫЙ (ПРАВЫЙ) разворот курс 237° (255°) на RENAT с набором FL60. Дальнейший набор по указанию органов УВД.

Пролет GASTA на высоте не ниже FL140.

BASAN1

После взлета и набора высоты 2800', ЛЕВЫЙ разворот курс 302° на KALIN с набором FL60. Дальнейший набор по указанию органов УВД.

UML0D1

После взлета и набора высоты 2800', ЛЕВЫЙ разворот курс 040° на LUGOS с набором FL80. Рубеж набора FL60 на удалении 25 км от VORDME. Дальнейший набор по указанию органов УВД.

Градиент набора 6.2%.

RAXAT 1

После взлета и набора высоты 2800', ПРАВЫЙ разворот курс 120° на ТОКПА с набором FL60. Дальнейший набор по указанию органов УВД.

Пролет RAXAT на высоте не ниже FL170.

Градиент набора 5.6%.

GASTA 1, GASTA 1A

After take-off climb straight ahead to 2800', turn LEFT (RIGHT) onto track 237° (255°) MAG and proceed to RE- NAT climbing to FL60. Further climb as directed by ATC.

Cross GASTA at FL140 or above.

BASAN1

After take-off climb straight ahead to 2800', turn LEFT onto track 302° MAG and proceed to KALIN climbing to FL60. Further climb as directed by ATC.

UML0D1

After take-off climb straight ahead to 2800', turn LEFT onto track 040° MAG and proceed to LUGOS climbing to FL80. Reach FL60 at 25 km from VORDME. Further climb as directed by ATC.

Climb gradient is 6.2%.

RAXAT 1

After take-off climb straight ahead to 2800', turn RIGHT onto track 120° MAG and proceed to TOKPA climbing to FL60. Further climb as directed by ATC.

Cross RAXAT at FL170 or above.

Climb gradient is 5.6%.



**STANDARD DEPARTURE
ROUTES INSTRUMENT – (SID)**

**BISHKEK, KYRGYZSTAN
Manas
RWY 26**

GASTA 2

После взлета и набора высоты 2700', ЛЕВЫЙ разворот курс 243° на RENAT с набором FL60. Дальнейший набор по указанию органов УВД.

Пролет GASTA на высоте не ниже FL140.
Градиент набора 5.2%.

BASAN 2

После взлета и набора высоты 2700', ПРАВЫЙ разворот курс 332° на KALIN с набором FL60. Дальнейший набор по указанию органов УВД.

UML0D 2

После взлета и набора высоты 2700', ПРАВЫЙ разворот курс 056° на LUGOS с набором высоты FL80. Рубеж набора FL60 на удалении 25 км от VORDME. Дальнейший набор по указанию органов УВД.

RAXAT 2

После взлета и набора высоты 2700', ЛЕВЫЙ разворот курс 097° на ТОКРА с набором FL60. Дальнейший набор по указанию органов УВД.

Пролет RAXAT на высоте не ниже FL170.

GASTA 2

After take-off climb straight ahead to 2700', turn LEFT onto track 243° MAG and proceed to RENAT climbing to FL60. Further climb as directed by ATC.

Cross GASTA at FL140 or above.
Climb gradient is 5.2%.

BASAN 2

After take-off climb straight ahead to 2700', turn RIGHT onto track 332° MAG and proceed to KALIN climbing to FL60. Further climb as directed by ATC.

UML0D 2

After take-off climb straight ahead to 2700', turn RIGHT onto track 056° MAG and proceed to LUGOS climbing to FL80. Reach FL60 at 25 km from VORDME. Further climb as directed by ATC.

RAXAT 2

After take-off climb straight ahead to 2700', turn LEFT onto track 097° MAG and proceed to TOKPA climbing to FL60. Further climb as directed by ATC.

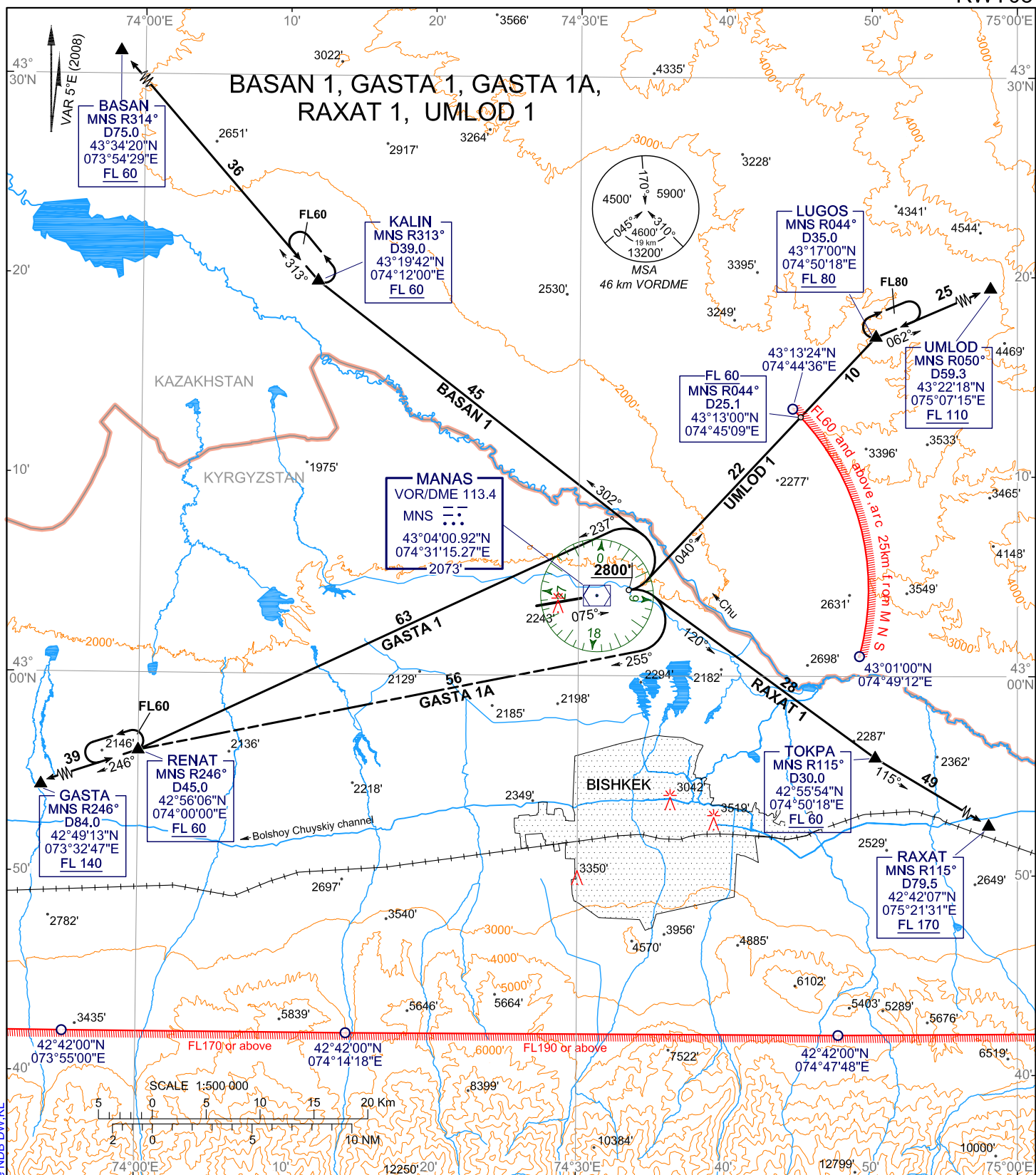
Cross RAXAT at FL170 or above.



STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION
ALTITUDE : 4400'

BISHKEK, KYRGYZSTAN
MANAS
RWY08



START 118.1
APPROACH FL200 or below 124.6
CONTROL above FL200 132.2

WARNING:
1. After take-off CAT A ACFT and HEL shall start the initial turn at 2400'.
2. When climb gradient are less than those indicated in the table, after take-off ACFT shall turn left (RAXAT 1) to join the assigned corridor.

RADIALS AND TRACKS ARE MAGNETIC
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN FEET
DISTANCES ARE IN KILOMETRES

Ground speed km/h		200	250	300	350	400	450	500	550
Rate of climb m/s	6.2%	3.4	4.3	5.2	6.0	6.8	7.8	8.2	9.5
	5.6%	3.2	3.8	4.6	5.4	6.2	7.0	7.7	8.5

CHANGE: WGS-84, renaming SID, exclude NDB DW KL

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

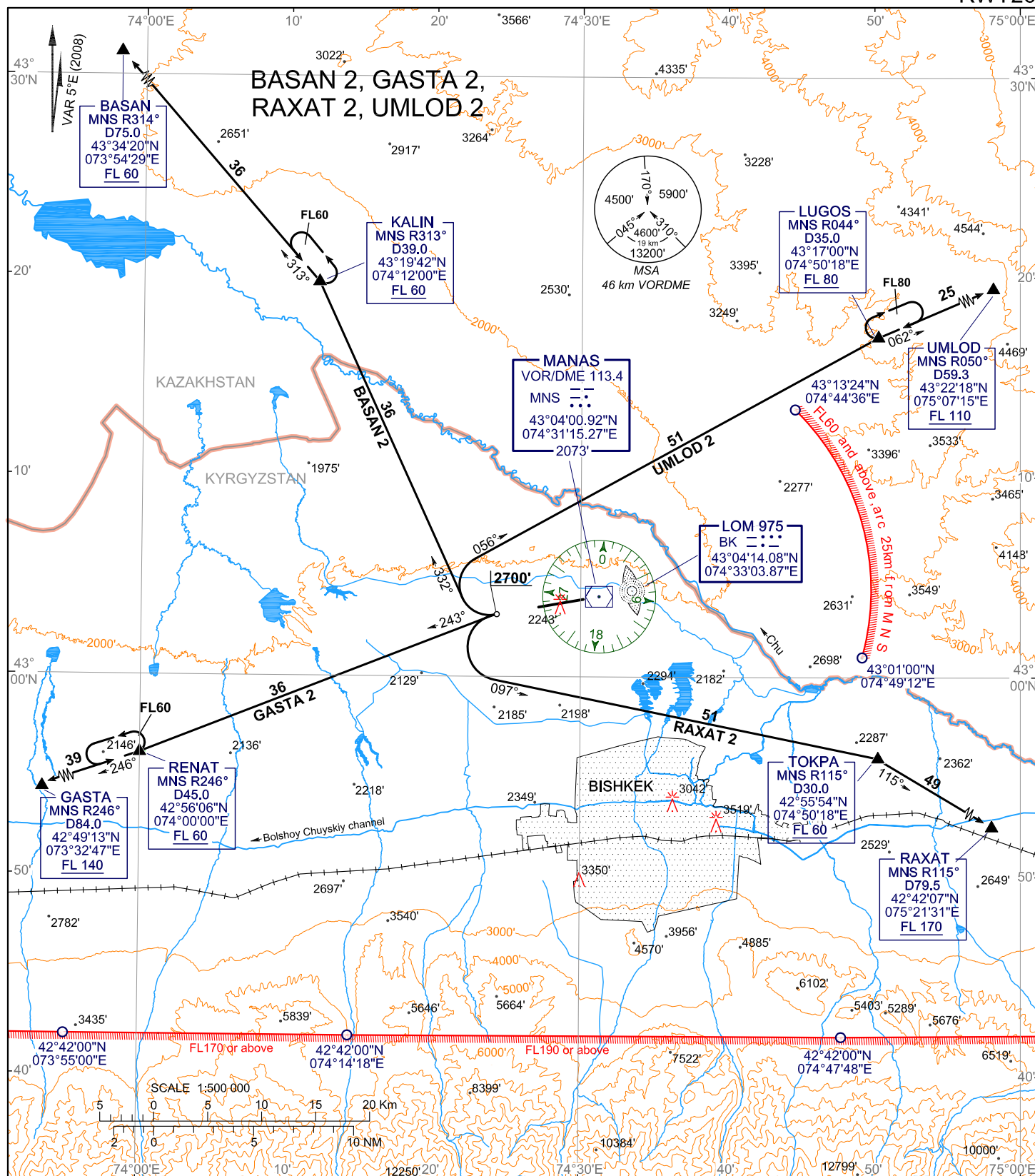
TRANSITION

ALTITUDE : 4400'

BISHKEK, KYRGYZSTAN

MANAS

RWY26



START 118.1
APPROACH FL200 or below 124.6
CONTROL above FL200 132.2

WARNING:

- After take-off CAT A ACFT and HEL shall start the initial turn at 2400'.
- When climb gradient are less than those indicated in the table, after take-off ACFT shall turn right (GASTA 2) to join the assigned corridor.

RADIALS AND TRACKS ARE MAGNETIC

ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN FEET

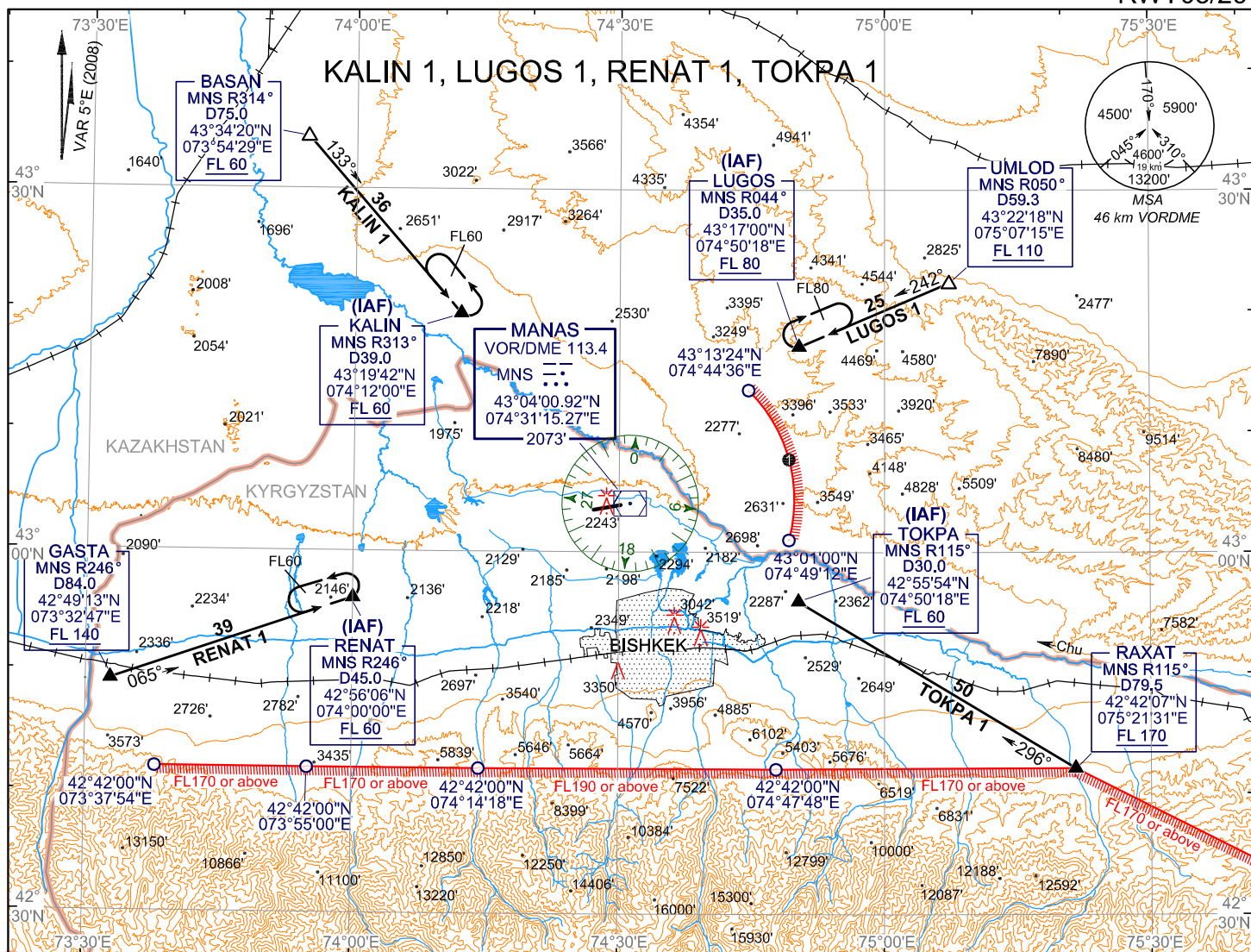
DISTANCES ARE IN KILOMETRES

Ground speed km/h	200	250	300	350	400	450	500	550
Rate of climb m/s	5.2%	2.9	3.6	4.3	5.0	5.8	6.4	7.2

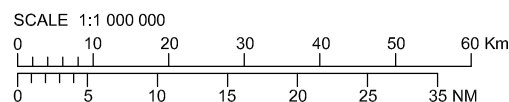
STANDARD ARRIVAL CHART
INSTRUMENT (STAR)- ICAO

TRANSITION
LEVEL : FL60

BISHKEK, KYRGYZSTAN
MANAS
RWY08/26



START 118.1
APPROACH 124.6



RADIALS AND TRACKS ARE MAGNETIC
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN FEET
DISTANCES ARE IN KILOMETRES

WARNING:
Flights from east line R25km VORDME limited
43°13'24"N 074°44'36"E - 43°01'00"N 074°49'12"E
at altitudes below FL60 - PROHIBITED.

STANDARD ARRIVAL CHART INSTRUMENT (STAR) ROUTES

Bishkek Manas RWY 08/26

KALIN 1	After passing BASAN proceed on 133° track to KALIN (IAF). Cross KALIN (IAF) at FL60 or above.
LUGOS 1	After passing UMLOD proceed on 242° track to LUGOS (IAF). Cross LUGOS (IAF) at FL80 or above.
TOKPA 1	After passing RAXAT proceed on 296° track to TOKPA (IAF). Cross TOKPA (IAF) at FL60 or above.
RENAT 1	After passing GASTA proceed on 065° track to RENAT (IAF). Cross RENAT (IAF) at FL60 or above.

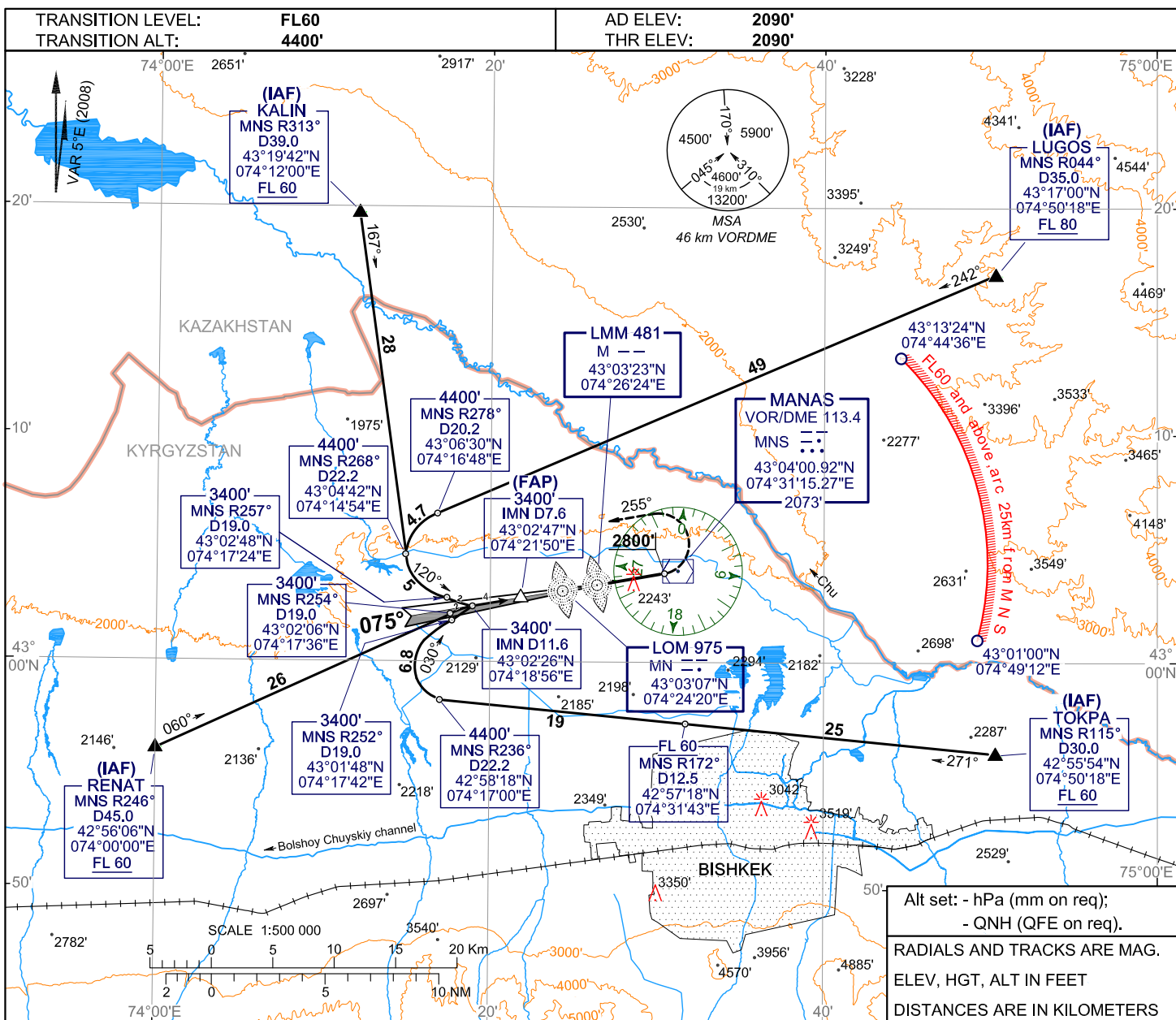
CHANGE: WGS-84, new chart

INSTRUMENT
APPROACH
CHART - ICAO

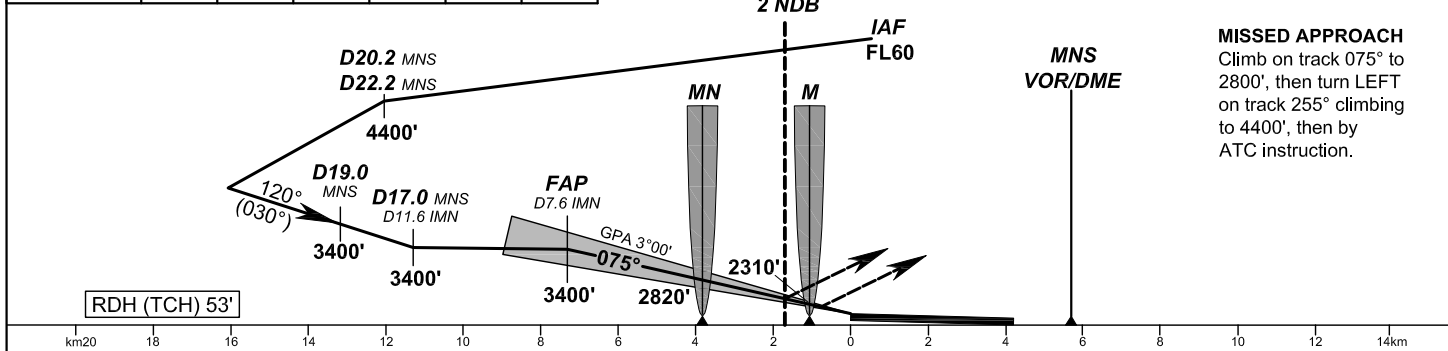
ILS/DME
075° 111.7 IMN
• • • • •
CH 54X

APPROACH
TOWER
124.6
118.1

BISHKEK, KYRGYZSTAN
MANAS
ILS DME, 2 NDB RWY 08



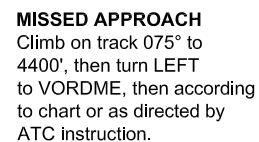
ALT	3170'	3000'	2830'	2650'	2480'	2310'
DME IMN	6.3	5.3	4.3	3.3	2.3	1.3



OCA/H		A	B		C		D		WARNING An increased turbulence and wind shear may be experienced on final.				
Straight-in Approach	CAT II	2139' (49')	2152' (62')	2165' (75')		2178' (88')							
	CAT I	2230' (141')	2240' (150')	2250' (160')		2260' (170')							
	2 NDB	2411' (321')	2411' (321')	2411' (321')		2411' (321')							
GROUND SPEED		km/h	150	180	210	240	270	300	330	360	390	420	450
RATE OF DESCENT (Grad 5.2%)		m/s	2.2	2.6	3.1	3.5	4.0	4.4	4.8	5.3	5.7	6.0	6.6

BISHKEK, KYRGYZSTAN
MANAS
VORDME RWY 08

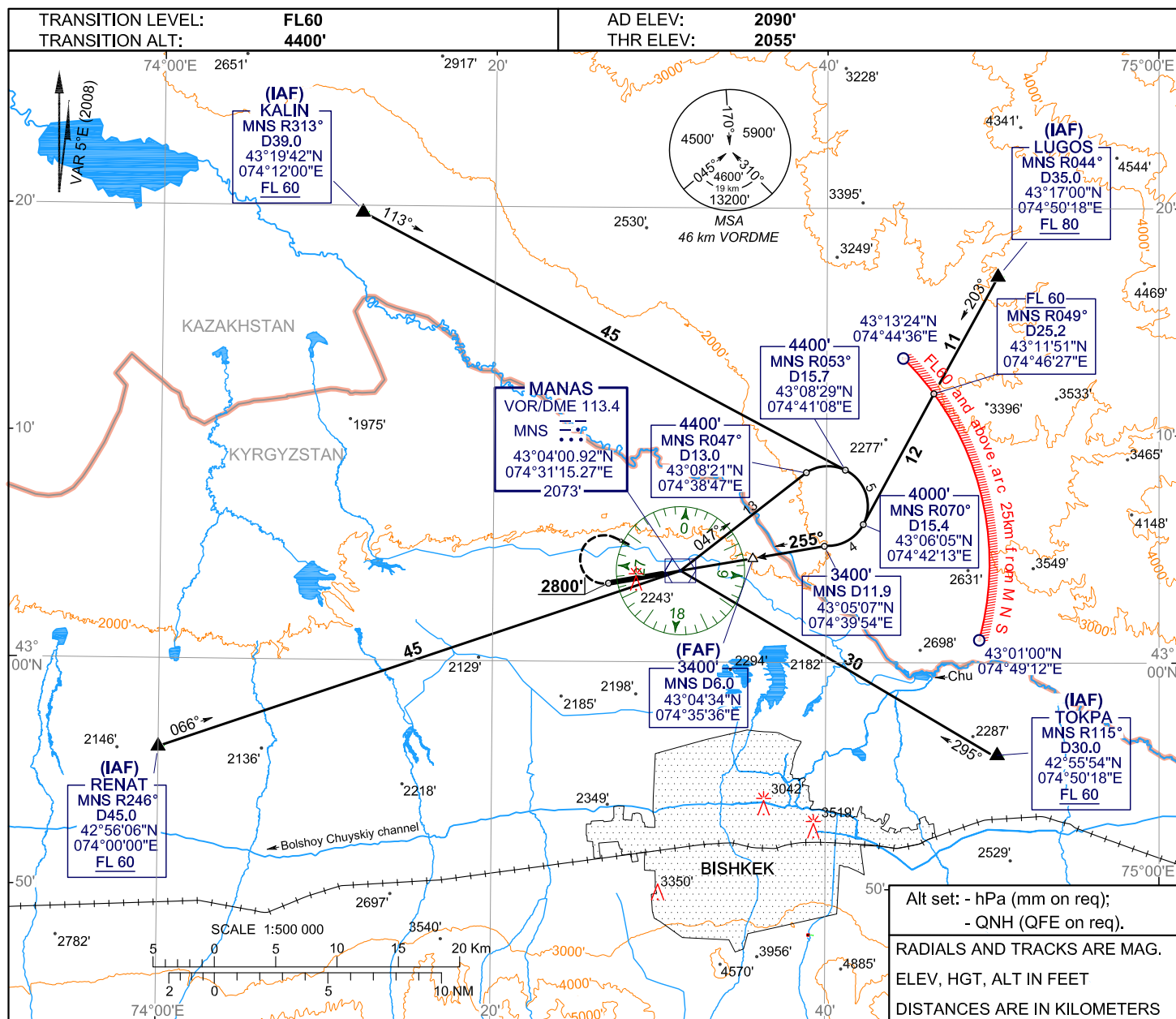
TRANSITION LEVEL:	FL60	AD ELEV:	2090'
TRANSITION ALT:	4400'	THR ELEV:	2090'



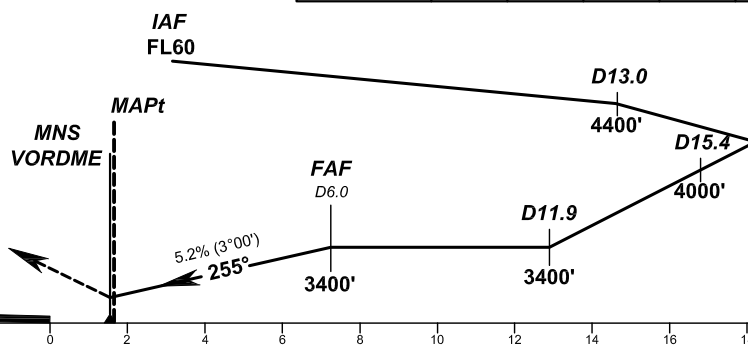
CAT 1 - 100-0-100, new chart

OCA/H		A		B		C		D		WARNING An increased turbulence and wind shear may be experienced on final.				
Straight-in Approach														
	VORDME	2418' (328')	2418' (328')	2418' (328')	2418' (328')	2418' (328')	2418' (328')							
GROUND SPEED		km/h	150	180	210	240	270	300	330	360	390	420	450	
RATE OF DESCENT (Grad 5.2%)		m/s	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.5	5.9	

CHANGE: WGS-84, new chart

INSTRUMENT
APPROACH
CHART - ICAOAPPROACH
TOWER124.6
118.1BISHKEK, KYRGYZSTAN
MANAS
VORDME RWY 26**MISSED APPROACH**

Climb on track 255° to 2800',
then turn RIGHT climbing
to 4400' to VORDME, then
according to chart or as
directed by ATC instruction.



OCA/H		A	B	C	D	WARNING An increased turbulence and wind shear may be experienced on final.							
Straight-in Approach	VORDME	2418' (345')	2418' (345')	2418' (345')	2418' (345')								
GROUND SPEED		km/h	150	180	210	240	270	300	330	360	390	420	450
RATE OF DESCENT (Grad 5.2%)		m/s	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.3	5.6	6.1

APPROACH	124.6
TOWER	118.1
MET	127.9

BISHKEK, KYRGYZSTAN
MANAS

