

22-MAR-2018

KBR-WMKC

1-10

A01

A01

**GENERAL****Operational Hours****ATS Hours / AD Operator Hours:** 2200-1530**Airport Information**

**RFF:** CAT 7  
**Fuel:** AVBL O/R  
**PCN:** RWY 10/28: 51/F/A/W/T

**Operation****TWY Restriction**

TWY G width 21m / 69ft.  
 TWY E width 19m / 62ft.  
 TWY D width 17m / 56ft.  
 TWY F width 14m / 46ft.  
 TWY H width 13m / 43ft.  
 TWY C width 9m / 30ft.  
 TWY F, G and H AVBL HJ only.

**Warnings**

Kite flying in vicinity of AD.

**ARRIVAL****Communication****COM Failure**

If experienced under own navigation:

- continue on STAR and land.

If experienced while radar vectored:

- maintain vectors for 1min;
- in case below MSA climb MSA then
- track to intercept cleared or previously assigned STAR and land.

**DEPARTURE****Take-off Minima**

RWY		10/28	
All ACFT	ft - m/km	0 - 400R/400V	HJ only
		0 - 800R/800V	HN

**Communication****COM Failure**

If experienced under own navigation:

- maintain last assigned level for 3min;
- thereafter climb to comply with SID.

If experienced while radar vectored:

- maintain vectors for 2min;
- if below MSA, climb to MSA then
- track to intercept cleared or previously assigned SID.

**DEPARTURE****Departure Procedure****Start-up/Push-back**

REQ ATC CLR prior start-up.

After receipt of ATC CLR, request start-up/push-back within 5min.

19-APR-2018

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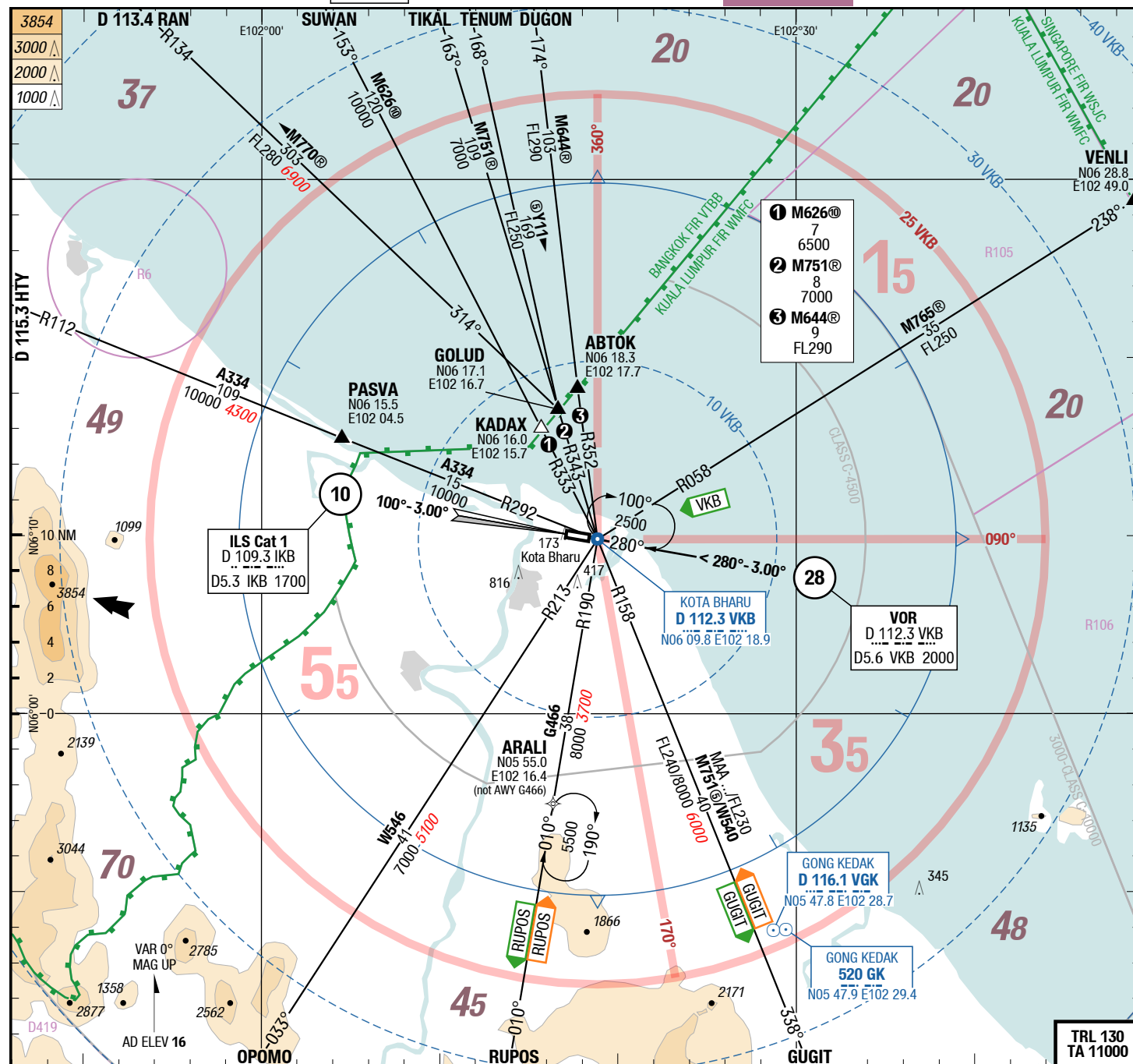
Malaysia Kota Bharu Sultan Ismail Petra

AGC  
AFC

Sultan Ismail Petra Kota Bharu Malaysia

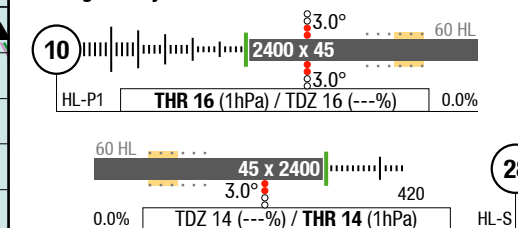
AGC  
AFC

2-10



**ATIS** 128.850 2200-1530  
**APP** 120.850 2200-1530  
 130.300 2200-1530  
**TWR** 122.500 2200-1530  
**GND** 121.600 2200-1530

**Landing RWY system:**



Changes: Nil

<b>ATIS</b>	128.850	2200-1530
<b>TWR</b>	122.500	2200-1530
<b>GND</b>	121.600	2200-1530

Area not visible from TWR

TWY F, G, H available  
for daylight only

COORDINATES	
1	N06 10.2 E102 17.6
2-5A	N06 10.2 E102 17.5

**ARP**  
N 06 10.1  
E 102 17.5

## FIRE STATION

**2400 x 45**

28

14

VAR 0°  
MAG UP

AD ELEV 16

A graphic scale bar with two units of measurement. The top scale is in meters (m), with markings at 0, 500, and 1000. The bottom scale is in feet (ft), with markings at 0, 1000, 2000, and 3000. The scales are aligned such that 500 meters corresponds to approximately 1640 feet, and 1000 meters corresponds to approximately 3280 feet.

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**КБР-ММК**

4-10

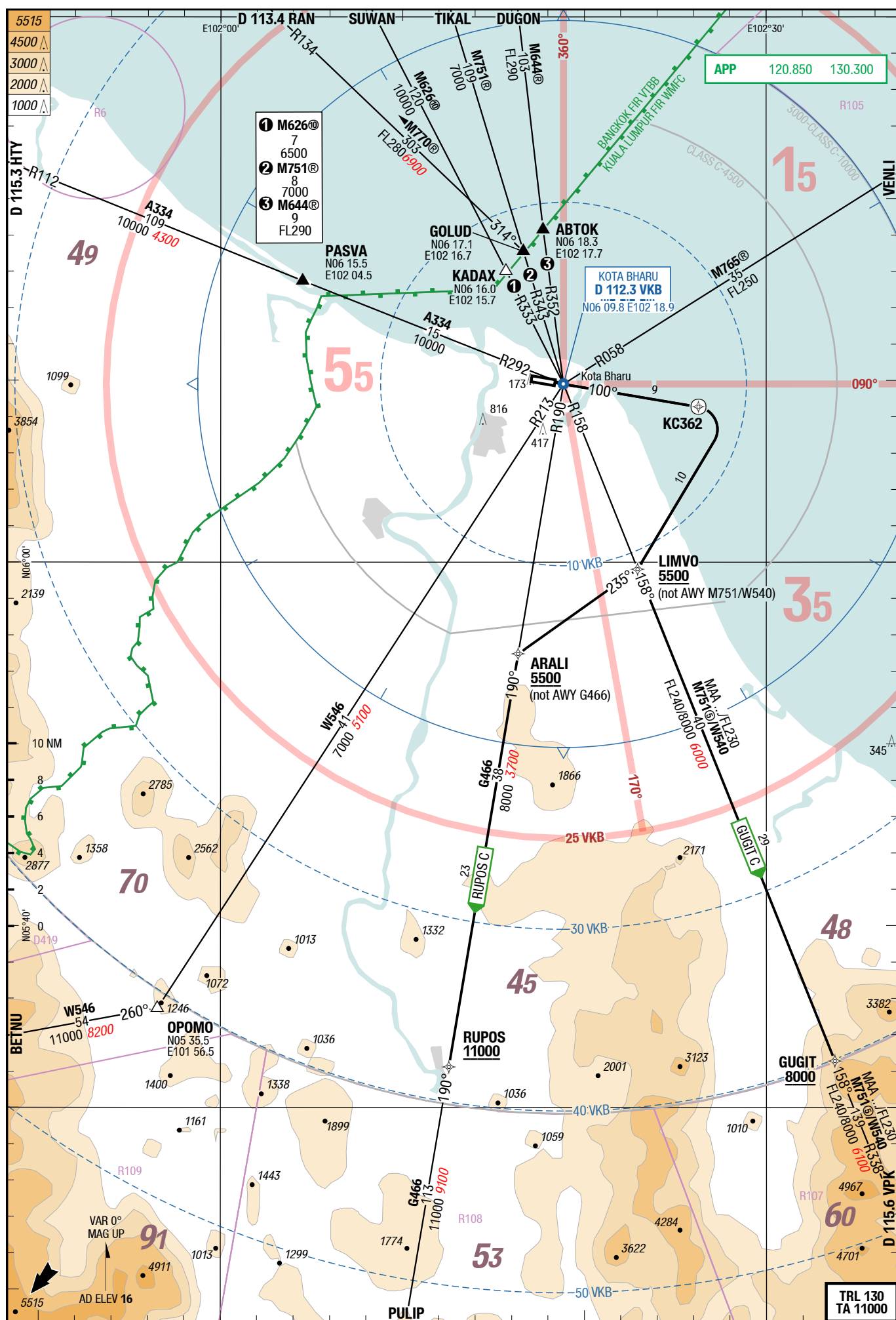
# RNAV SIDS Rwy 10

# SID

# SID

## RNAV SIDS

## RNAV SIDS Rwy 10



13-JUL-2017

KBR-WMKC

Malaysia Kota Bharu Sultan Ismail Petra

4-20

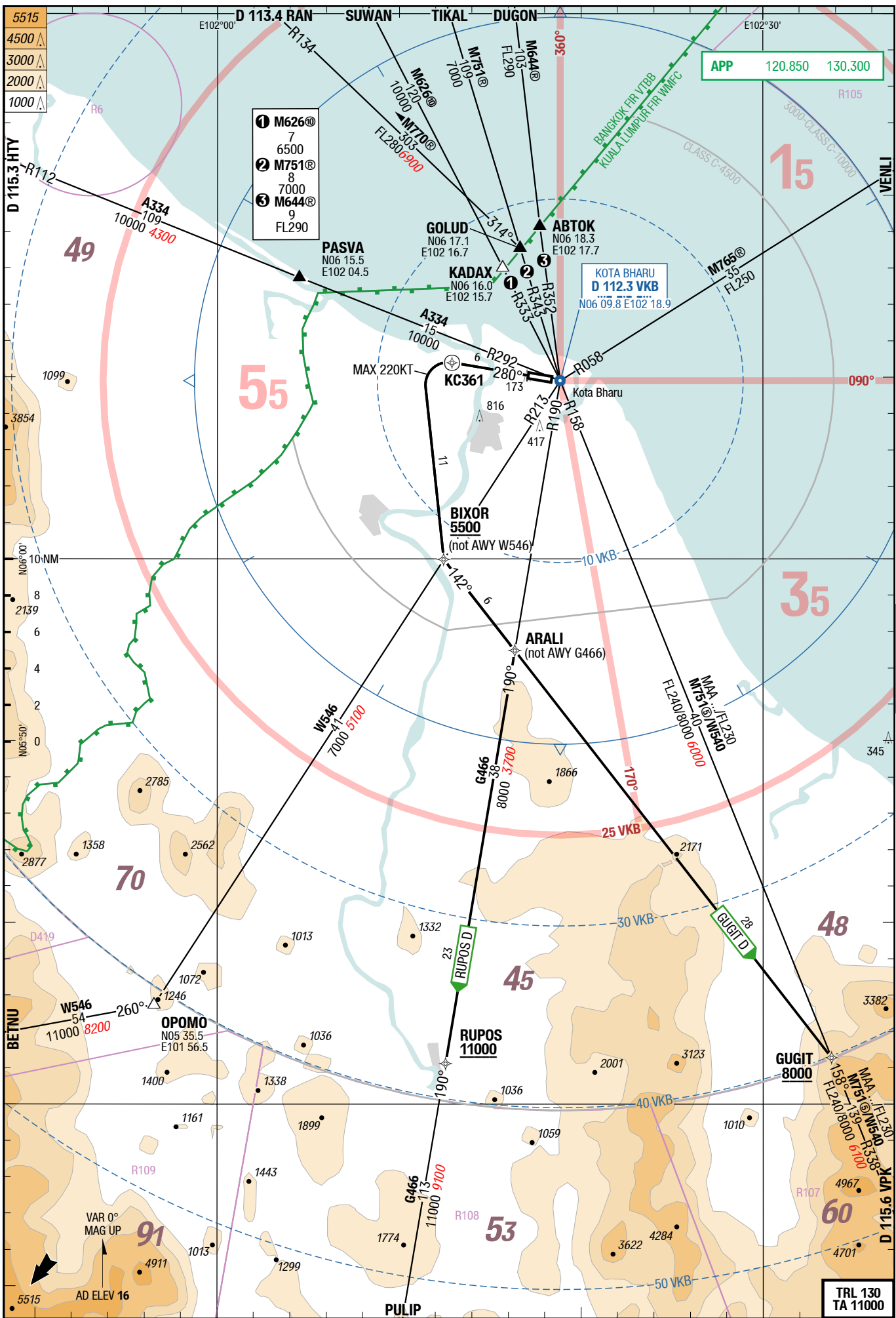
RNAV SIDS RWY 28

SID

SID

Sultan Ismail Petra Kota Bharu Malaysia

RNAV SIDS RWY 28





13-JUL-2017

KBR-WMKC

Malaysia Kota Bharu Sultan Ismail Petra

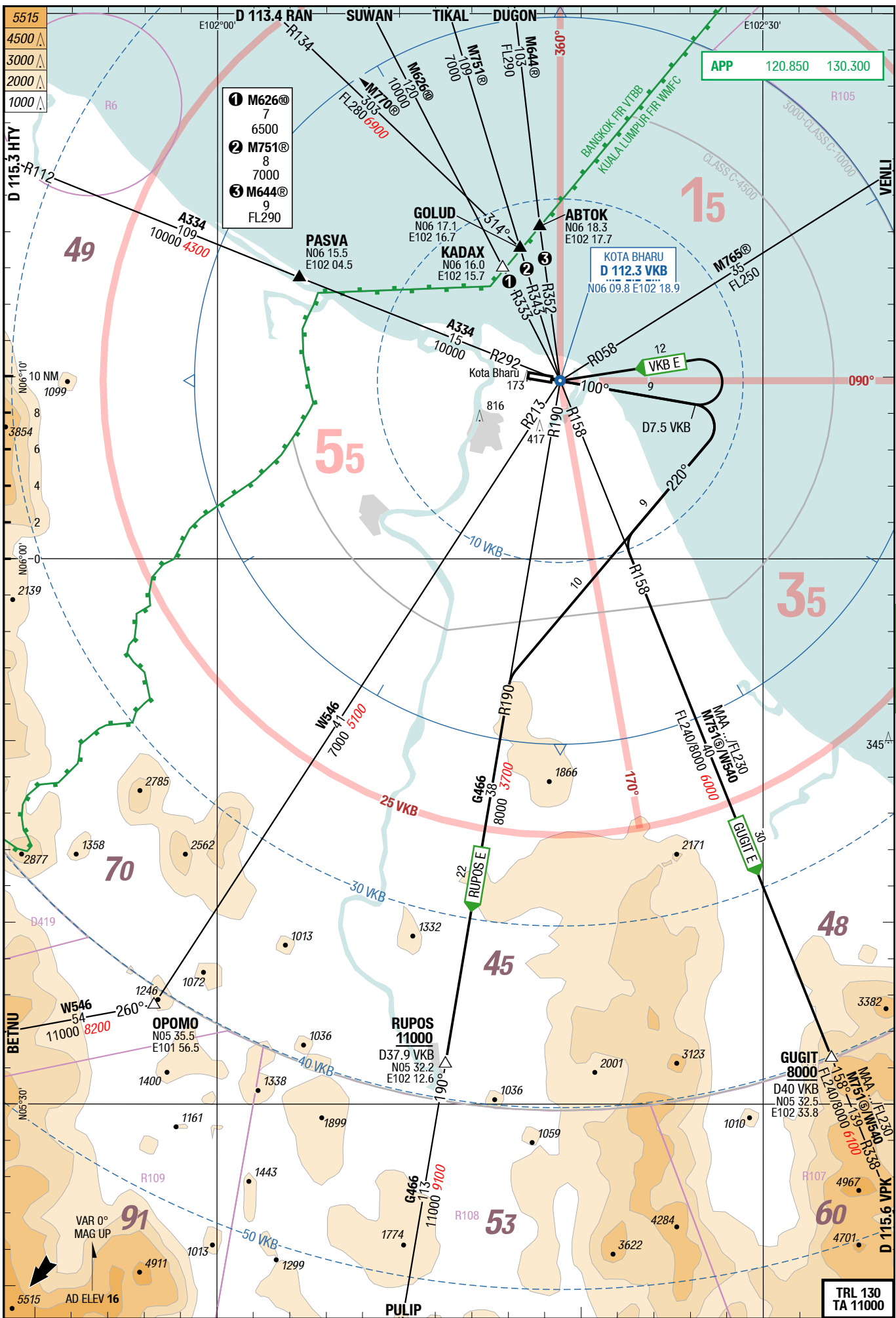
4-30

SIDS RWY 28  
SIDS RWY 10

SID  
SID

Sultan Ismail Petra Kota Bharu Malaysia

SIDS RWY 28  
SIDS RWY 10



Changes: MSA, PROC, OBST, AWY

**КВР-ВМКГ**

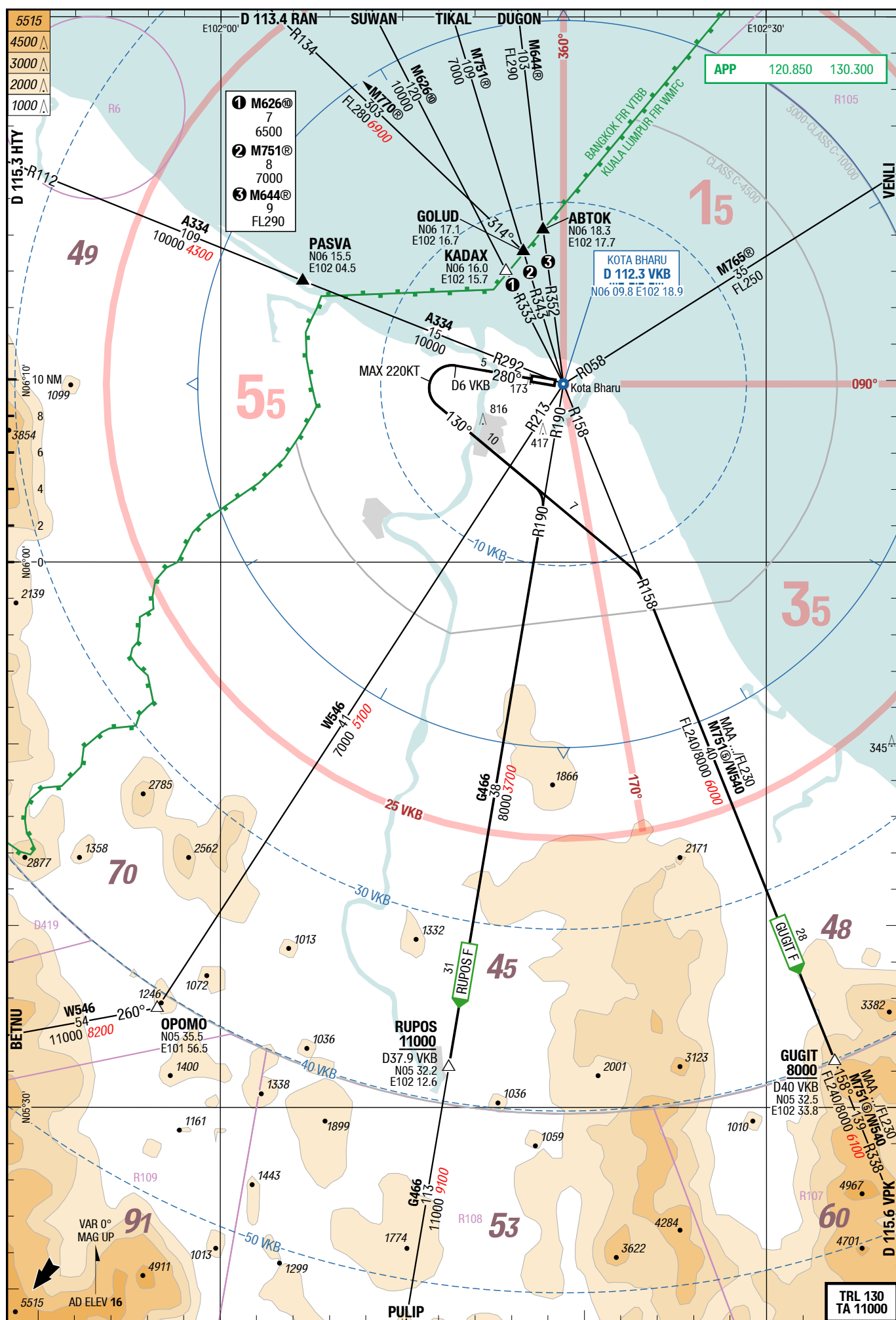
4-40

## SIDS Rwy 28

# SID

# SID

## SIDS Rwy 28





**KBR-WMKC**

NIL

4-50

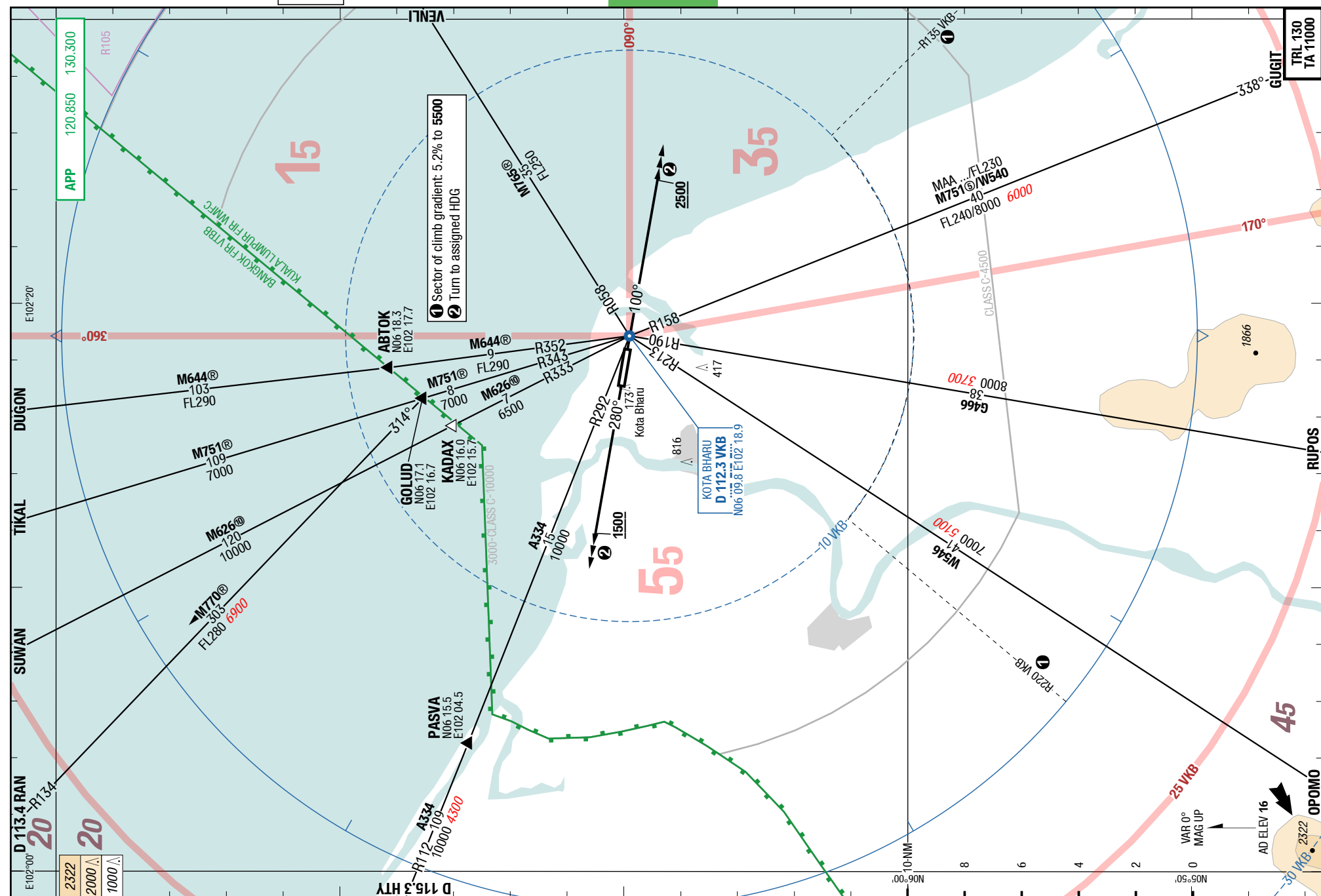
**SID Kota Bharu Radar One**

SID

SID

NIL

**SID Kota Bharu Radar One**



Changes: MSA, OBST, AWY

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**KBR-WMKC**

5-10

**RNAV SIDs RWY 10**

**SIDPT**

**GUGIT C / RUPOS C**

RWY 10 (100°)

	GS	120	150	180	210	240	270
5.2%	ft/MIN	700	800	1000	1200	1300	1500

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 10</b>	
<b>GUGIT C</b> 5.2% to 5500 <b>120.850</b>	at KC362 <b>RT</b> direct LIMVO - GUGIT - join AWY W540	LIMVO MNM <b>5500</b> GUGIT MNM <b>8000</b>
<b>RUPOS C</b> 5.2% to 5500 <b>120.850</b>	at KC362 <b>RT</b> direct LIMVO - ARALI - RUPOS - join AWY G466	LIMVO MNM <b>5500</b> ARALI MNM <b>5500</b> RUPOS MNM <b>11000</b>

13-JUL-2017

**KBR-WMKC**

5-20

**RNAV SIDs RWY 28**

**SIDPT**

**GUGIT D / RUPOS D**

RWY 28 (280°)

	GS	120	150	180	210	240	270
4.4%	ft/MIN	600	700	900	1000	1100	1300

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 28</b>	
<b>GUGIT D</b> 4.4% to 5500 <b>120.850</b>	at KC361 LT (MAX 220KT) direct BIXOR - ARALI - GUGIT - join AWY W540	BIXOR MNM <b>5500</b> GUGIT MNM <b>8000</b>
<b>RUPOS D</b> 4.4% to 5500 <b>120.850</b>	at KC361 LT (MAX 220KT) direct BIXOR - ARALI - RUPOS - join AWY G466	BIXOR MNM <b>5500</b> RUPOS MNM <b>11000</b>

13-JUL-2017

**KBR-WMKC****5-30****SIDs RWY 10****SIDPT****GUGIT E / KOTA BHARU E / RUPOS E**

RWY 10 (100°)

	GS	120	150	180	210	240	270
5.2%	ft/MIN	700	800	1000	1200	1300	1500

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 10</b>	
<b>GUGIT E</b> 5.2% to 5500 <b>120.850</b>	at D7.5 <b>VKB RT 220°</b> - intercept R158 <b>VKB</b> to GUGIT - join AWY W540	GUGIT MNM <b>8000</b>
<b>KOTA BHARU E</b> <b>VKB E</b> 5.2% to 5500 <b>120.850</b>	at D7.5 <b>VKB LT</b> direct <b>VKB</b>	
<b>RUPOS E</b> 5.2% to 5500 <b>120.850</b>	at D7.5 <b>VKB RT 220°</b> - intercept R190 <b>VKB</b> to RUPOS - join AWY G466	RUPOS MNM <b>11000</b>

13-JUL-2017

**KBR-WMKC**

5-40

**SIDs RWY 28**

**SIDPT**

**GUGIT F / RUPOS F**

RWY 28 (280°)

	GS	120	150	180	210	240	270
4.4%	ft/MIN	600	700	900	1000	1100	1300

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 28</b>	
<b>GUGIT F</b> 4.4% to 5500 <b>120.850</b>	at D6 <b>VKB LT</b> (MAX 220KT) 130° - intercept R158 <b>VKB</b> to GUGIT - join AWY W540	GUGIT MNM <b>8000</b>
<b>RUPOS F</b> 4.4% to 5500 <b>120.850</b>	at D6 <b>VKB LT</b> (MAX 220KT) 130° - intercept R190 <b>VKB</b> to RUPOS - join AWY G466	RUPOS MNM <b>11000</b>

01-JAN-2015

**KBR-WMKC**

**5-50**

**SID Kota Bharu Radar One**

**SIDPT**

**KOTA BHARU RADAR 1 / KOTA BAHRU RADAR 1**

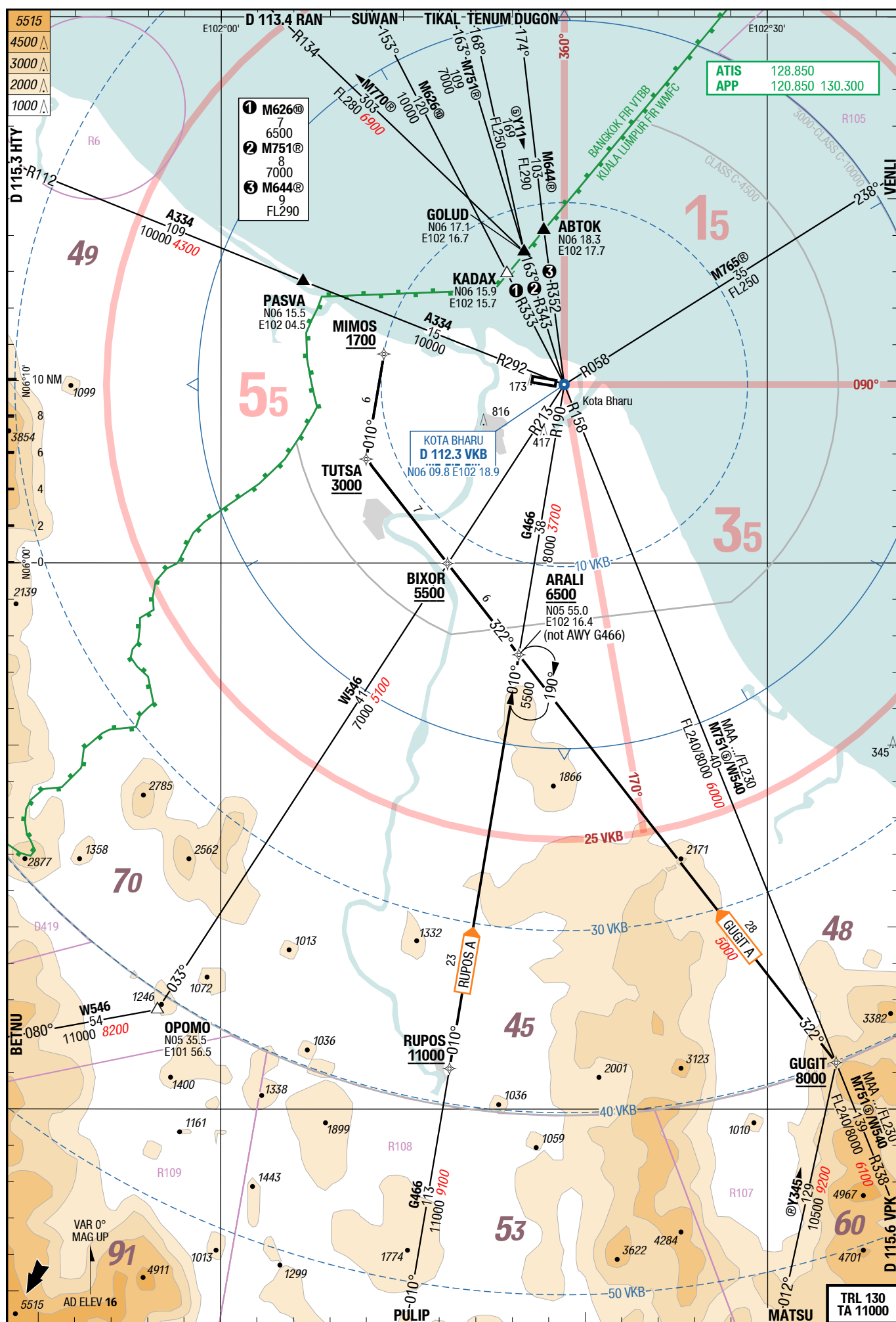
RWYs 10 (100°) / 28 (280°)

**After take-off, contact APP**

	GS	120	150	180	210	240	270
5.2%	ft/MIN	700	800	1000	1200	1300	1500

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 10</b>	
<b>KOTA BHARU RADAR 1</b> 5.2% to 5500 (If assigned HDG takes ACFT to area defined by R135 VKB to R220 VKB clockwise and from D10 VKB) <b>120.850</b>	100° - at MNM <b>2500</b> turn to assigned HDG	
	<b>Runway 28</b>	
<b>KOTA BAHRU RADAR 1</b> 5.2% to 5500 (If assigned HDG takes ACFT to area defined by R135 VKB to R220 VKB clockwise and from D10 VKB) <b>120.850</b>	280° - at MNM <b>1500</b> turn to assigned HDG	





**КВР-ВМКС**

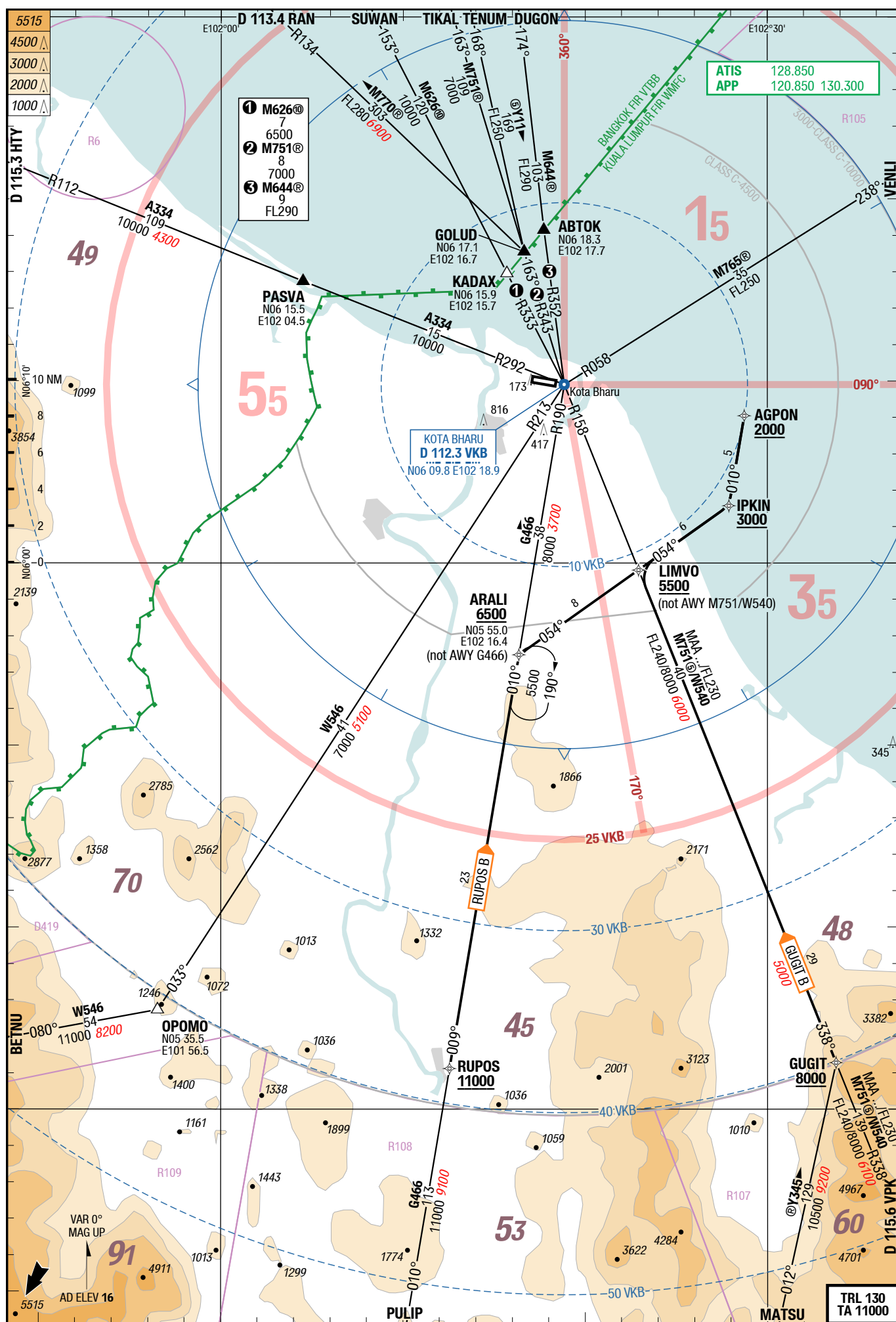
6-20

## RNAV STARS RWY 28

# STAR

# STAR

## RNAV STARS RWY 28

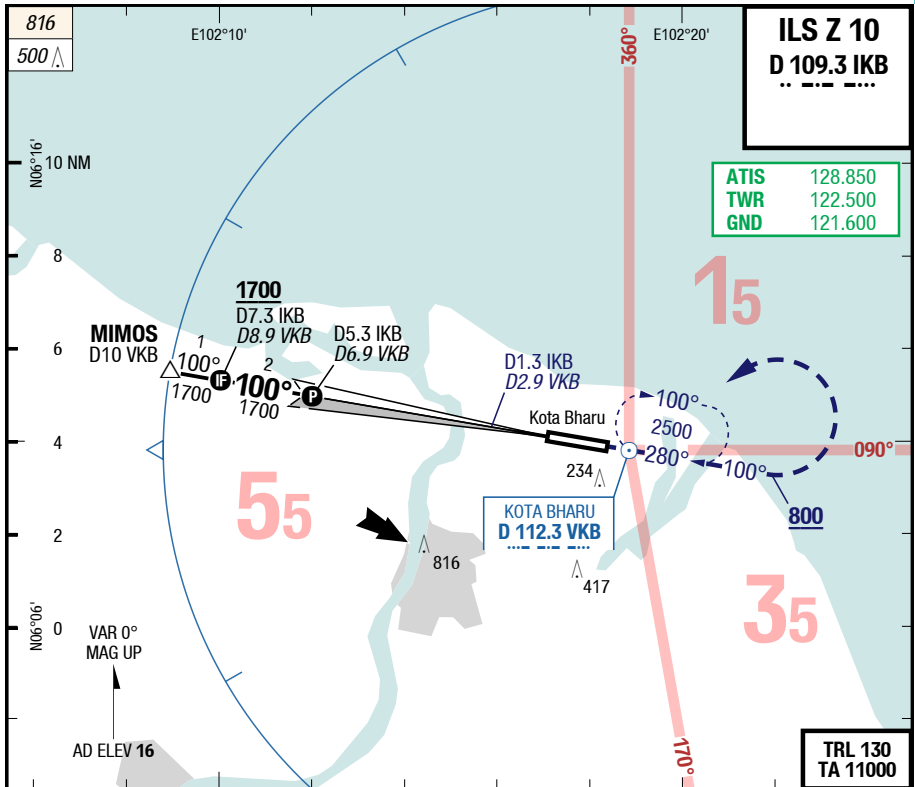


19-APR-2018

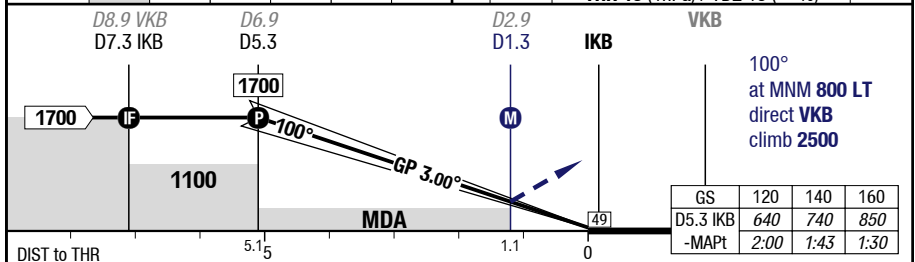
KBR-WMKC

7-10

ILS Z 10



LOC 3.00° D IKB	5.3	5	4	3	2	10	THR 16 (1hPa) / TDZ 16 (---%)	0.0%
	1700	1610	1290	970	650			



10	Cat 1 DME 1) 2)	LOC DME				Circling
C	ft - m/km ft	240 - 550 250	440 - 1.3 450			Not published
D	ft - m/km ft	250 - 550 260	440 - 1.3 450			Not published

1) FD, AP or HGS required, else RVR 750m  
2) With EVS 550m

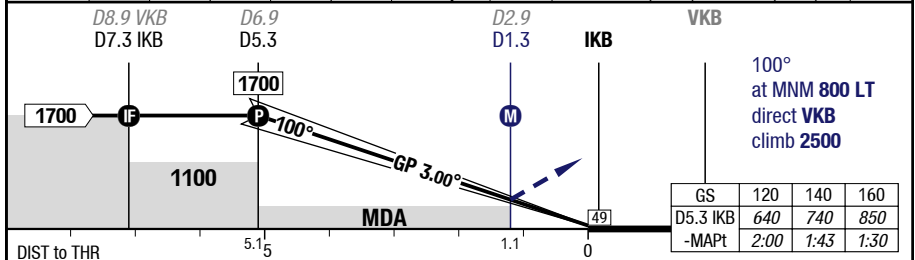
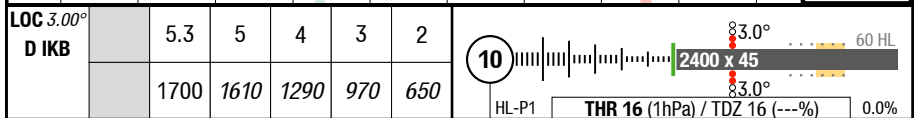
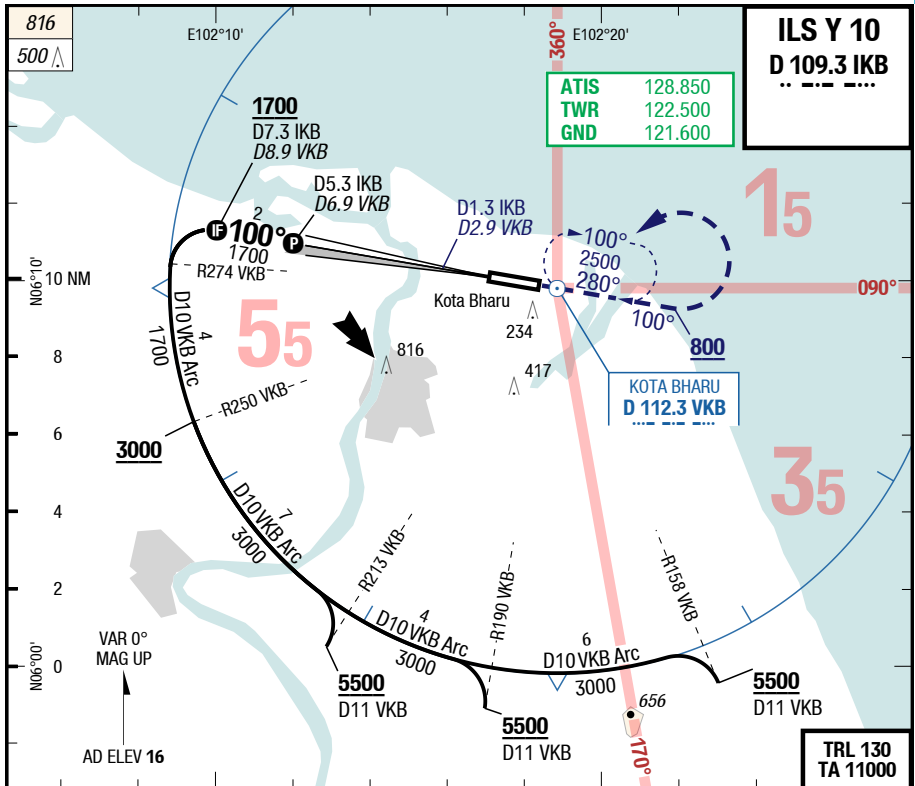
Changes: OBST

19-APR-2018

KBR-WMKC

7-20

ILS Y 10



10		Cat 1 DME 1) 2)	LOC DME	Circling	
C	ft - m/km ft	240 - 550 250	440 - 1.3 450	Not published	
D	ft - m/km ft	250 - 550 260	440 - 1.3 450	Not published	

1) FD, AP or HGS required, else RVR 750m  
2) With EVS 550m

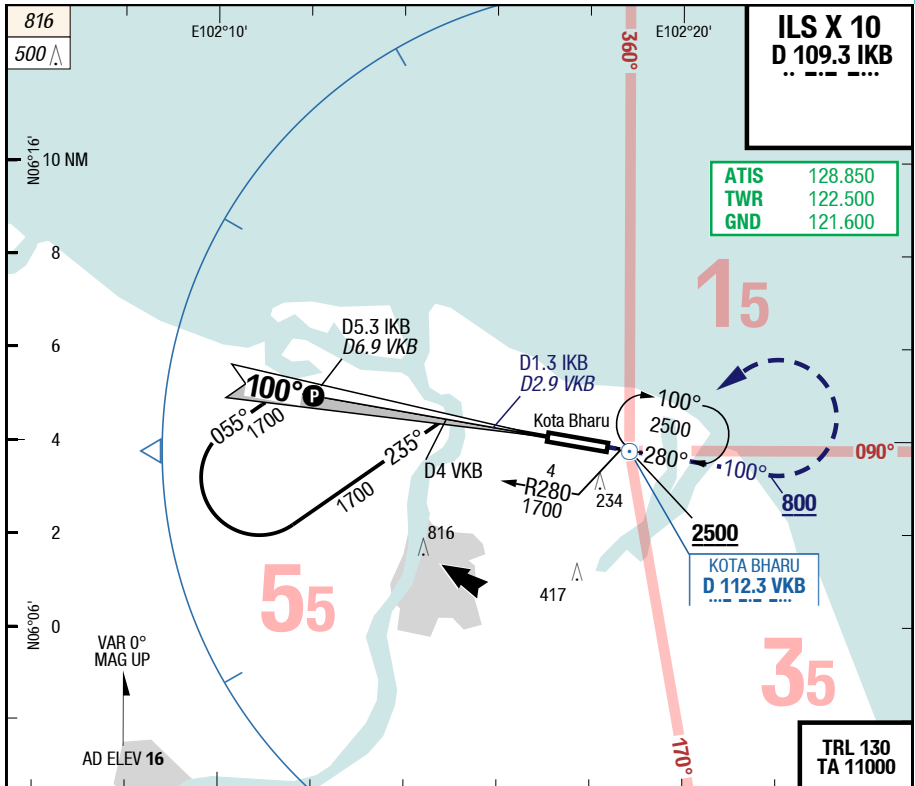
Changes: OBST

19-APR-2018

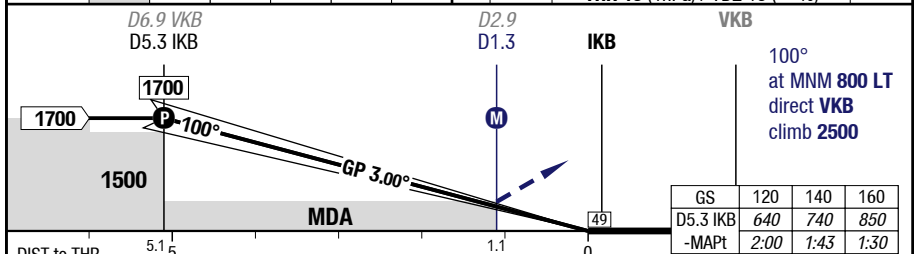
KBR-WMKC

7-30

ILS X 10



LOC 3.00° D IKB	5.3	5	4	3	2	10	83.0°	60 HL
	1700	1610	1290	970	650	HL-P1	2400 x 45	0.0%
							THR 16 (1hPa) / TDZ 16 (---%)	



10	Cat 1 DME 1) 2)	LOC DME				Circling
C	ft - m/km ft	240 - 550 250	440 - 1.3 450			Not published
D	ft - m/km ft	250 - 550 260	440 - 1.3 450			Not published

1) FD, AP or HGS required, else RVR 750m  
2) With EVS 550m

14-JUN-2018

KBR-WMKC

Malaysia Kota Bharu Sultan Ismail Petra

7-50

RNAV (RNP) Z 10

RNAV (RNP) Z 28

IAC

IAC

Sultan Ismail Petra Kota Bharu Malaysia

RNAV (RNP) Z 10

RNAV (RNP) Z 28

RNAV (RNP)  
Z 10  
RNP AR APCH  
GNSS, RF required

ATIS 128.850  
TWR 122.500  
GND 121.600

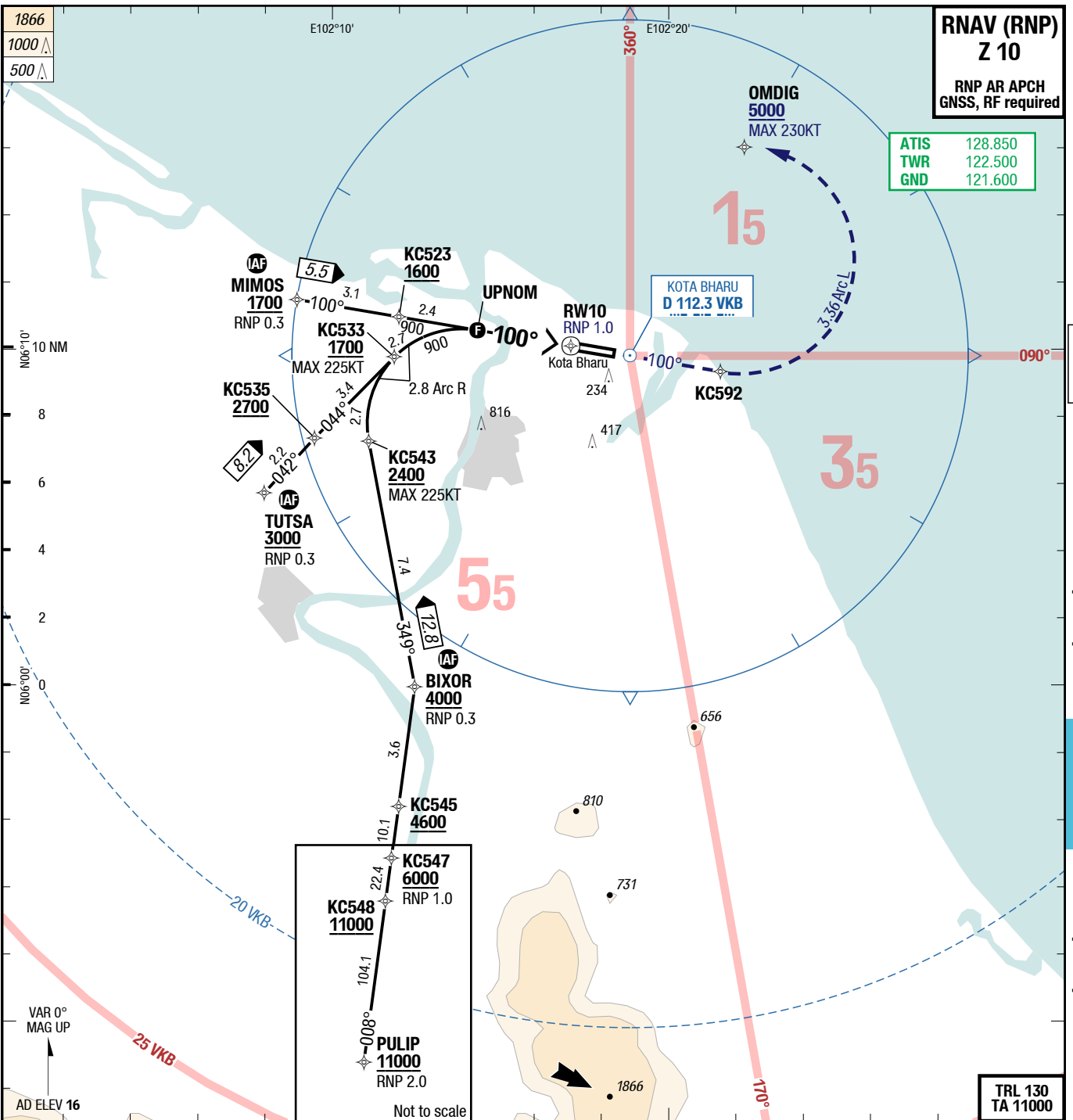
OMDIG  
5000  
MAX 230KT

E102°20'

E102°10'

1866  
1000  
500

Changes: Nil



2.80°					2.8	2	<div>10</div> <div>HL-P1</div>	<div>83.0°</div> <div>2400 x 45</div> <div>60 HL</div> <div>83.0°</div>								
RW10					900	660		THR 16 (1hPa) / TDZ 16 (---%)	0.0%							
2.8 RW10 UPNOM																
at <div>900</div>																
<div>900</div> <div>100°</div> <div>DA</div> <div>49</div> <div>KC592 [L] - OMDIG [A5000+ ;K230-]</div>																
RW10	N06 10.1	E102 17.1														
DIST to THR			2.8	0				<table><tr><td>GS</td><td>120</td><td>140</td><td>160</td></tr><tr><td></td><td>590</td><td>690</td><td>790</td></tr></table>	GS	120	140	160		590	690	790
GS	120	140	160													
	590	690	790													
10	RNAV RNP 0.30 VNAV GA 5.1% 1) 2) 3)								Circling							
C	ft - m/km ft	440 - 1.3 450							Not published							
D	ft - m/km ft	440 - 1.3 450							Not published							
) Uncompensated BARO VNAV NA below 20°C (68°F) or above 34°C (93°F) 2) Use with Kota Bharu (WMKC) QNH only 3) With EVS 900m																



14-JUN-2018

KBR-WMKC

Malaysia Kota Bharu Sultan Ismail Petra

7-60

RNAV (RNP) Z 28

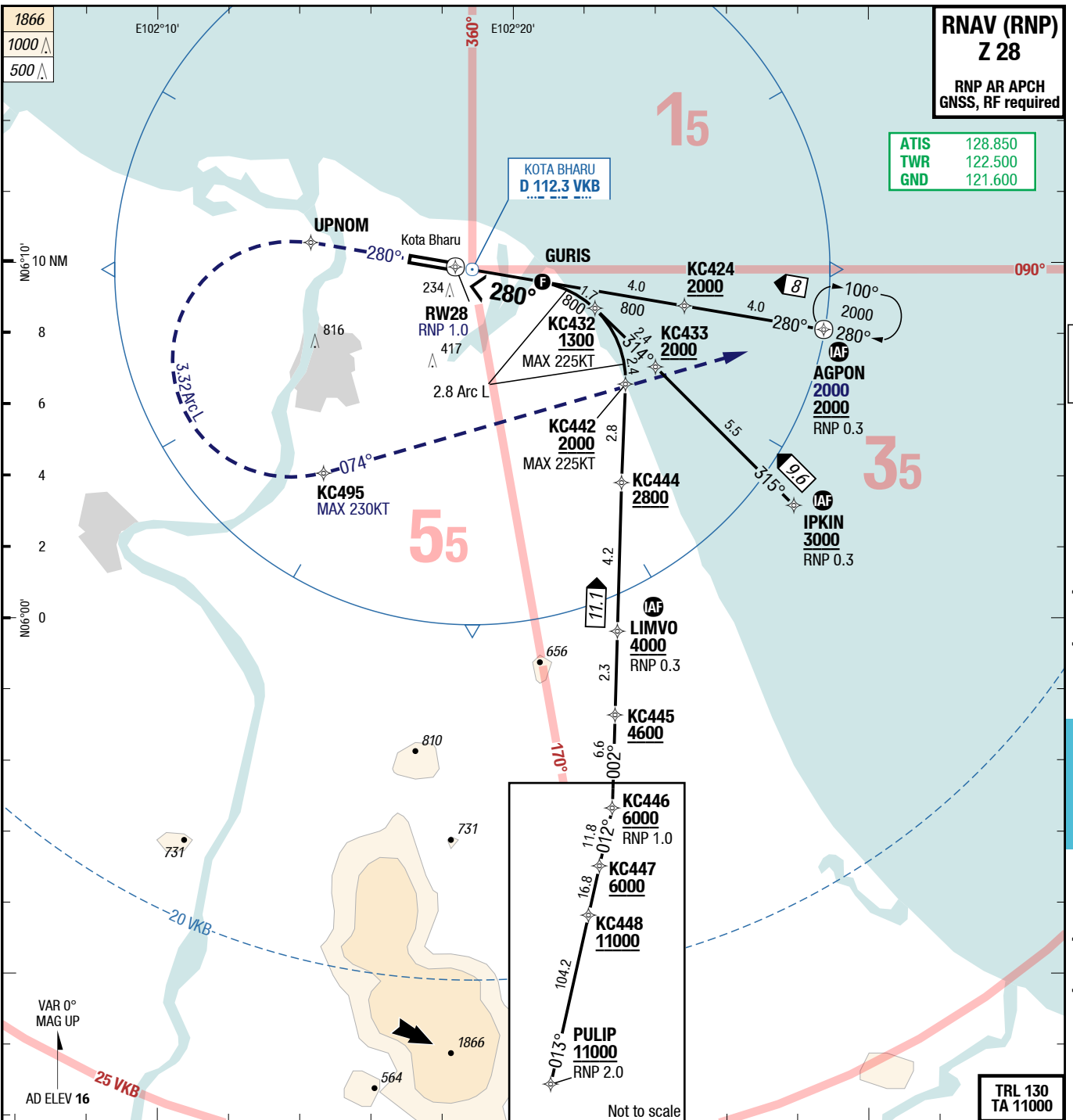
IAC

IAC

RNAV (RNP) Z 28

Sultan Ismail Petra Kota Bharu Malaysia

Changes: WPT



60 HL	45 x 2400	3.0°	420	28	2	2.5					2.80° RW28
0.0%	TDZ 14 (---%) / THR 14 (1hPa)	HL-S			660	800					
RW28											2.5 RW28 GURIS
UPNOM [L] - KC495 [K230] AGPON [A2000]											at 800
GS	120	140	160								800
	590	690	790								
											RW28 N06 09.9 E102 18.4
											DIST TO THR
28	RNAV RNP 0.30 VNAV 1) 2) 3)										Circling
C	ft - m/km ft	440 - 1.6 450									Not published
D	ft - m/km ft	440 - 1.6 450									Not published

1) Uncompensated BARO VNAV NA below 20°C (68°F) or above 34°C (93°F) 2) Use with Kota Bharu (WMKC) QNH only 3) With EVS 1.1km

**VOR Z 10**



10		VOR DME					Circling
C	ft - m/km ft	440 - 1.3 <b>450</b>					Not published
D	ft - m/km ft	440 - 1.3 <b>450</b>					Not published

**VOR Y 10**



10		VOR DME					Circling
C	ft - m/km ft	440 - 1.3 <b>450</b>					Not published
D	ft - m/km ft	440 - 1.3 <b>450</b>					Not published

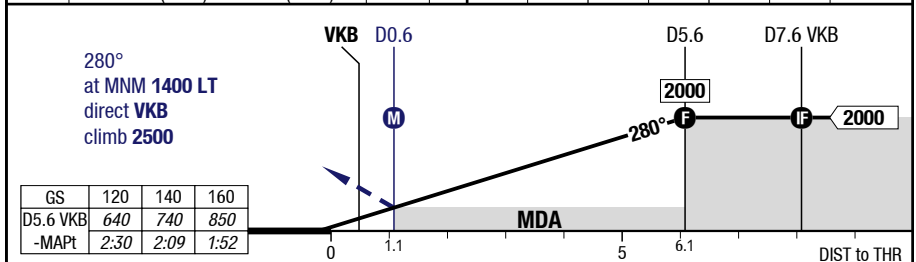
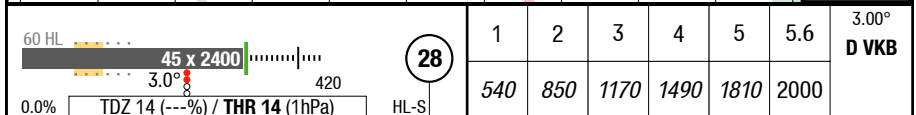
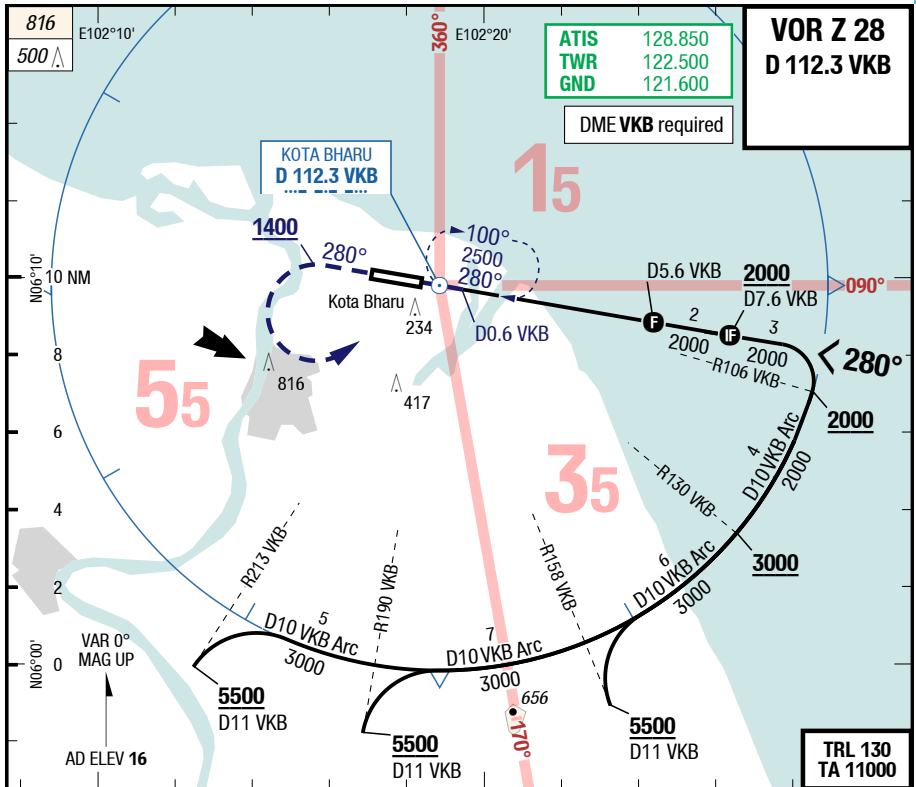
Changes: OBST

19-APR-2018

KBR-WMKC

7-90

VOR Z 28



28	VOR DME				Circling
C	ft - m/km ft	440 - 1.6 450			Not published
D	ft - m/km ft	440 - 1.6 450			Not published

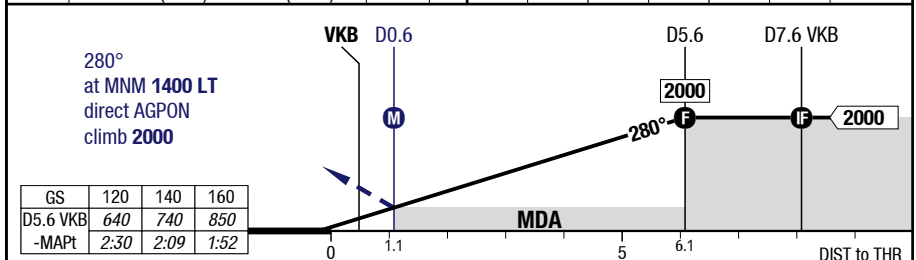
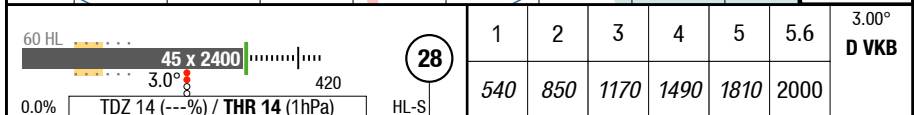
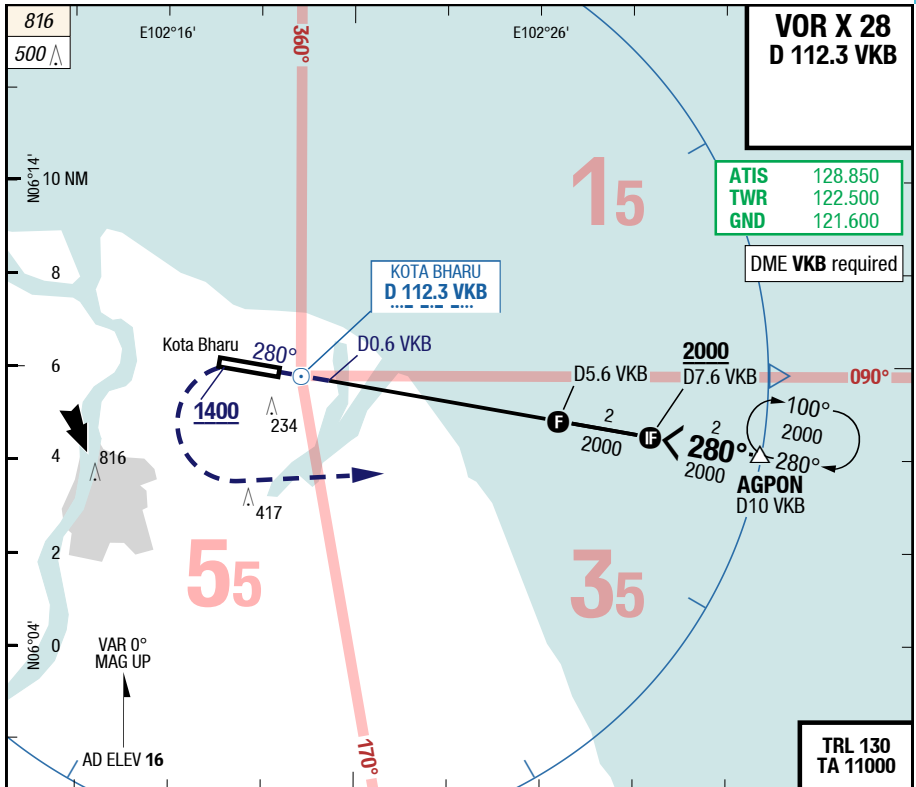
Changes: OBST

19-APR-2018

KBR-WMKC

7-100

VOR X 28



28	VOR DME					Circling
C	ft - m/km ft	410 - 1.5 420				Not published
D	ft - m/km ft	410 - 1.5 420				Not published

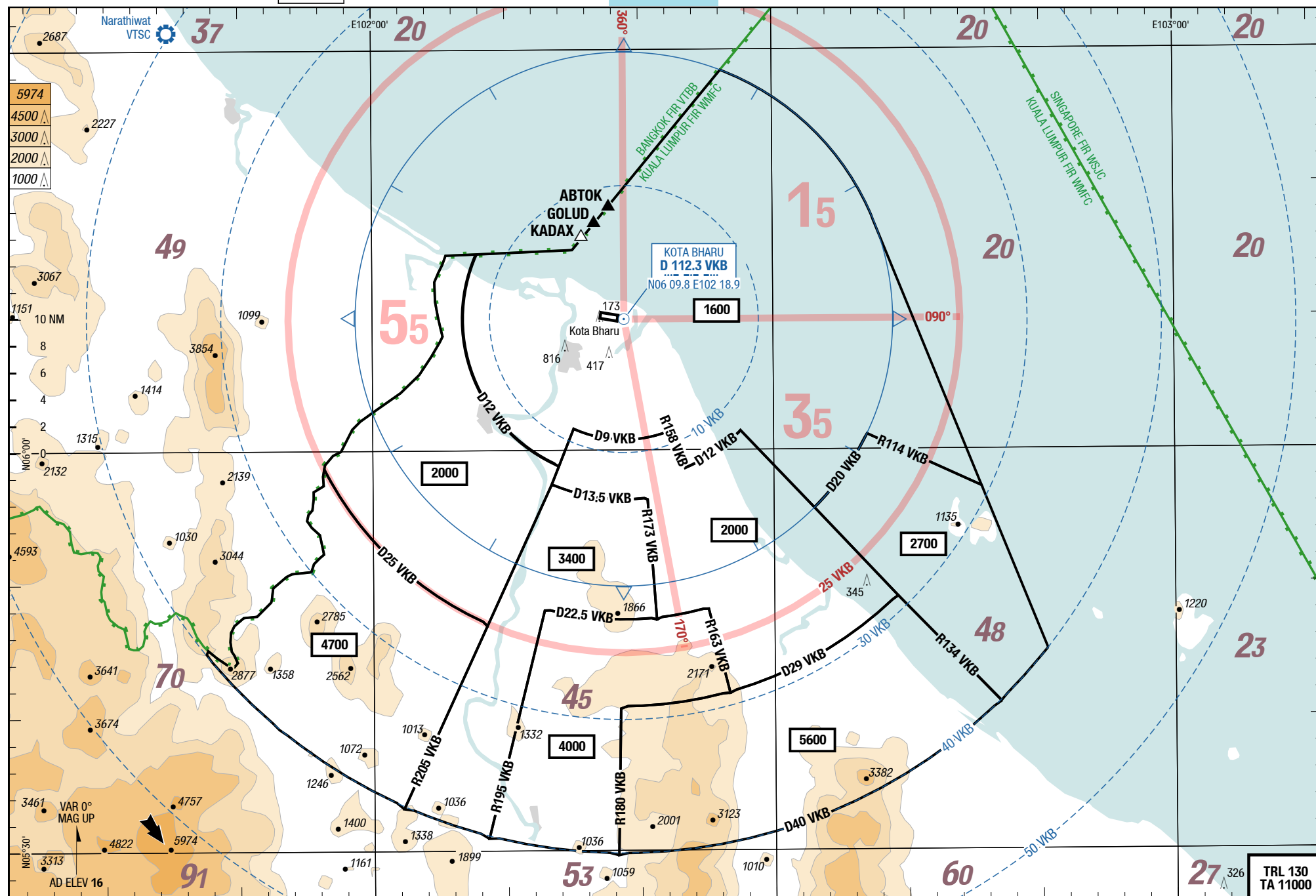
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**NIL**  
**MRC**

**MRC**

**MRC**

**NIL**  
**MRC**



Changes: MSA, OBST

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