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**AIRAC
AIP
SUPPLEMENT**

**Nr. 02/15
22 JAN 15**

**ATS ROUTE REALIGNMENT AND AIRSPACE RESTRUCTURIZATION OF KUPANG TMA AND
UJUNG PANDANG EAST UPPER CONTROL AREA**

1. INTRODUCTION

This AIRAC AIP Supplement is purposed to publish ATS Route Realignment and Airspace Restructurization of Kupang TMA and Ujung Pandang East Upper Control Area which caused by VOR/DME "KPG" relocated to new position on coordinate 10 10 00.33S 123 41 30.51E.

2. DESCRIPTION

The relocation of "KPG" VOR/DME and restructurization of ATS Airspace will realignment of some ATS routes, way point names which are connected to East Timor FIR boundary and will affect AIP Indonesia part ENR 3.1, ENR 3.2 and also ENR 3.3. This AIRAC will insert new way point names into some route as follows :

New Way Point	Coordinate	Route	Location
ADNAT	08 02 51.72 S 126 46 26.88 E	M768	Between ELBIS and PORAK
VALGO	08 03 35.69 S 126 34 49.94 E	W55	Between BENTO and BACAU
DOVIK	08 20 12.92 S 125 09 44.7 E	W37	Between LUSIA and "DIL"VOR
MUBRA	08 33 37.30 S 125 06 29.20 E	W33	Intersection of Kupang TMA and East Timor Airspace
POVOT	09 23 51.85 S 125 06 25.50 E	M774	Between KEONG and KIKEM
PINIR	08 46 35.68 S 127 48 06.74 E	A339	Between ELBIS and OSUVI

This new way point will be described on the Attachment A1 till to A12 and will be depicted on the Attachment B.

3. IMPLEMENTATION DATE

This AIRAC AIP Supplement will become effective at 0001 UTC on 05 March 2015 and will revise data "KPG" VOR/DME on other part of AIP Indonesia.

4. CHANGES

Any changes of the information content on this AIRAC AIP Supplement will be notified through NOTAM or superseded by other AIP Supplement.

5. CANCELATION

This AIRAC AIP Supplement will be cancelled when all information are incorporated into AIP and will be notified through AIP Amendment.

----- End -----

ENR 3 ATS ROUTES

3.1 Domestic ATS Routes

Route designator Significant points Coordinates	Track TRUE	DIST (NM)	Upper Limit Lower Limit	MNM FLT ALT Air Space Classification	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2	3	3	4	5	5	6	
Cont. W 32 N WHISKEY THREE TWO NORTH								
▲ K O L T A 06 27 53.01 S 113 49 40.27 E	229	15	<u>FL460</u> 4000FT	6000 FT A, C			↓	<u>Surabaya East</u> <u>APP /</u> <u>Ujung</u> <u>Pandang ACC</u>
▲ R O B I T 06 37 46.30 S 113 38 17.83 E		68.3						
▲ "SBR" VOR/DME 07 22 26.18 S 112 46 16.39 E								
W 33 WHISKEY THREE THREE								RVSM
▲ "SBR" VOR/DME 07 22 26.18 S 112 46 16.39 E	<u>120</u> 300	77.3		13500 FT A, C		↓		<u>Surabaya East</u> <u>APP /</u> <u>Ujung</u> <u>Pandang ACC</u>
▲ R A B O L 08 01 17.12 S 113 53 44.49 E		87						<u>Bali APP /</u> <u>Ujung</u> <u>Pandang ACC</u>
▲ "BLI" VOR/DME 08 45 02.05 S 115 09 47.90 E	<u>101</u> 281	149.8	<u>FL 460</u> 4000 FT	12500 FT A, C				<u>Bali APP /</u> <u>Ujung</u> <u>Pandang ACC</u>
▲ G O M A T 09 12 51.15 S 117 38 46.26 E	<u>093</u> 273	159.4		6000 FT A, C				<u>Bali FSS /</u> <u>Ujung</u> <u>Pandang ACC</u>
▲ "NR" NDB 09 40 13.76 S 120 17 58.01 E	<u>098</u> 278	203						<u>Kupang FSS/</u> <u>Kupang APP/</u> <u>Ujung</u> <u>Pandang ACC</u>
▲ "KPG" VOR/DME 10 10 00.33S 123 41 30.51 E Cont.								

ENR 3 ATS ROUTES

3.1 Domestic ATS Routes

Route designator Significant points Coordinates	Track TRUE	DIST (NM)	Upper Limit Lower Limit	MNM FLT ALT Air Space Classification	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2	3	3	4	5	5	6	6
Cont. W 33 WHISKEY THREE THREE								
▲ "KPG" VOR/DME 10 10 00.33 S 123 41 30.51 E	221 041	128	FL 460 4000 FT	11500 FT A, C		↓	↑	Kupang APP/ Ujung Pandang ACC
▲ M U B R A 08 33 37.3 S 125 06 29.2 E								Ujung Pandang FIR Above FL245 Timor Leste FIR Below FL245
W 34 WHISKEY THREE FOUR								RVSM
▲ "SBR" VOR/DME 07 22 26.18 S 112 46 16.39 E	102 282	97.3	FL460 4000 FT	4000 FT A, C	10	↓	↑	Surabaya East APP / Ujung Pandang ACC
▲ E N T A S 07 42 46.64 S 114 22 13.05 E		79.9						Bali APP / Ujung Pandang ACC
▲ A G U N G 07 59 29.35 S 115 41 03.75 E	146 326	41.3						
▲ "MTM" VOR/DME 08 33 37.85 S 116 04 30.53 E								

ENR 3 ATS ROUTES

3.1 Domestic ATS Routes

Route designator Significant points Coordinates	Track TRUE	DIST (NM)	Upper Limit Lower Limit	MNM FLT ALT Air Space Classification	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2	3	3	4	5	5	6	6
<u>W 35</u> <u>WHISKEY THREE</u> <u>FIVE</u>								RVSM
▲ <u>"PNK" VOR/DME</u> 00 04 44.95 S 109 22 30.37 E		93.9				↓		<u>Pontianak</u> <u>FSS /</u> <u>Jakarta ACC</u>
▲ <u>E B O N Y</u> 00 54 30.00 S 110 42 12.00 E	<u>122</u> <u>302</u>	62.9	<u>FL 460</u> <u>FL 245</u>					<u>Banjarmasin</u> <u>FSS</u> <u>Banjarmasin</u> <u>APP /</u> <u>Ujung</u> <u>Pandang ACC</u>
▲ <u>N O M A D</u> 01 28 04.55 S 111 35 25.17 E		222.3		4000 FT A, C				<u>Banjarmasin</u> <u>APP /</u> <u>Ujung</u> <u>Pandang ACC</u>
▲ <u>"BDM" VOR/DME</u> 03 26 12.48 S 114 43 53.35 E	<u>102</u> <u>282</u>	155.4			10			<u>Banjarmasin</u> <u>APP /</u> <u>Ujung</u> <u>Pandang ACC</u>
▲ <u>G U R N I</u> 03 58 48.05 S 117 15 08.15 E	<u>115</u> <u>295</u>	150.1	<u>FL 460</u> <u>4000 FT</u>					<u>Ujung</u> <u>Pandang ACC</u>
▲ <u>"MKS" VOR/DME</u> 05 02 16.12 S 119 31 34.28 E		150.4		6000 FT A, C				<u>Kupang FSS /</u> <u>Ujung</u> <u>Pandang ACC</u>
▲ <u>N E T T O</u> 07 02 58.08 S 121 01 44.84 E	<u>143</u> <u>323</u>	119.2						<u>Kupang APP /</u> <u>Ujung</u> <u>Pandang ACC</u>
▲ <u>"NO" NDB</u> 08 38 07.66 S 122 14 09.47 E	<u>137</u> <u>317</u>	126	<u>FL 460</u> <u>FL 245</u>	7500 FT A, C			↑	
▲ <u>"KPG" VOR/DME</u> 10 10 00.33 S 123 41 30.51 E								

ENR 3 ATS ROUTES

3.1 Domestic ATS Routes

Route designator Significant points Coordinates	Track TRUE	DIST (NM)	Upper Limit Lower Limit	MNM FLT ALT Air Space Classification	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2	3	3	4	5	5	6	6
Cont. W 37 WHISKEY THREE SEVEN								
▲ GAMAL 02 51 49.50 S 118 02 20.39 E	<u>146</u> 326	157.9	<u>FL 460</u> 4000 FT	7500 FT A, C	10	↓	↑	<u>Ujung</u> <u>Pandang ACC</u>
▲ "MKS" VOR / DME 05 02 16.12 S 119 31 34.28 E		150		12000 FT A, C			↓	
▲ RINTO 06 19 12.57 S 121 40 57.28 E	<u>121</u> 301	84	<u>FL 460</u> FL 245	7500 FT A, C				<u>Ujung</u> <u>Pandang FSS</u> <u>/ Ujung</u> <u>Pandang ACC</u>
▲ LUSIA 07 02 17.69 S 122 53 32.31 E	<u>118</u> 298	156				↑		<u>Kupang FSS</u> <u>/ Ujung</u> <u>Pandang ACC</u>
▲ DOVIK 08 20 12.95 S 125 09 44.07 E	<u>119</u> 299	25						<u>Ujung</u> <u>Pandang FIR</u> Above FL245
▲ "DIL" VOR 08 32.6 S 125 31.7 E								Timor Leste FIR Below FL245
W 38 WHISKEY THREE EIGHT								RVSM
▲ "PNK" VOR / DME 00 04 44.95 S 109 22 30.37 E	196	169.1	<u>FL 460</u> 2500 FT	6000 FT A, C	10	↓		<u>Pontianak</u> <u>APP /</u> <u>Jakarta ACC</u>
▲ APAGA 02 46 57.63 S 108 34 51.23 E	197	84.8						<u>Pontianak</u> <u>FSS /</u> <u>Jakarta ACC</u>
▲ AMBOY 04 08 00.00 S 108 10 00.00 E	<u>208</u> 028	72.1	<u>FL 460</u> 6000 FT			↑	↓	<u>Jakarta ACC</u>
▲ DENDY 05 11 49.45 S 107 36 23.72 E Cont								

ENR 3 ATS ROUTES

3.1 Domestic ATS Routes

Route designator Significant points Coordinates	Track TRUE	DIST (NM)	Upper Limit Lower Limit	MNM FLT ALT Air Space Classification	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2	3	3	4	5	5	6	6
<u>Cont. W 42</u> <u>WHISKEY FOUR</u> <u>TWO</u>								
▲ <u>"RG" NDB</u> 08 36 17.19 S 120 28 10.38 E	<u>091</u> 271	104.8		9000 FT A, C		↓		Kupang FSS / Ujung Pandang ACC
▲ <u>"NO" NDB</u> 08 38 07.66 S 122 14 09.47 E	<u>089</u> 269	78.9						Kupang APP / Ujung Pandang ACC
▲ <u>BAGIL</u> 08 35 53.21 S 123 33 53.24 E	<u>088</u> 268	92	<u>FL460</u> FL245	11500 FT	10		↑	Ujung
▲ <u>MUBRA</u> 08 33 37.3 S 125 06 29.2 E	<u>087</u> 267	25		A, C				Pandang FIR Above FL245
▲ <u>"DIL" VOR</u> 08 32.6 S 125 31.7 E								Timor Leste FIR Below FL245
<u>W 43</u> <u>WHISKEY FOUR</u> <u>THREE</u>								RVSM
▲ <u>"SBR" VOR / DME</u> 07 22 26.18 S 112 46 16.39 E		97.3		4000 FT A, C		↓		Surabaya East APP / Ujung Pandang ACC
▲ <u>ENTAS</u> 07 42 46.64 S 114 22 13.05 E	<u>102</u> 282	79.9	<u>FL 460</u> 4000 FT		10			Bali APP / Ujung Pandang ACC
▲ <u>AGUNG</u> 07 59 29.35 S 115 41 03.75 E	<u>106</u> 286	106.2		13500 FT A, C			↑	Bali APP / Ujung Pandang ACC
▲ <u>"NQ" NDB</u> 08 28 27.59 S 117 24 17.05 E								
Cont.								

ENR 3 ATS ROUTES

3.1 Domestic ATS Routes

Route designator Significant points Coordinates	Track TRUE	DIST (NM)	Upper Limit Lower Limit	MNM FLT ALT Air Space Classification	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2	3	3	4	5	5	6	6
Cont. W 43 WHISKEY FOUR THREE ▲ "NQ" NDB 08 28 27.59 S 117 24 17.05 E ▲ "NR" NDB 09 40 13.76 S 120 17 58.01 E ▲ "KPG" VOR / DME 10 10 00.33 S 123 41 30.51 E								
	110 290	185.9		6000 FT A, C		↓		Bali FSS / Ujung Pandang ACC
	098 278	203	FL 460 FL 245		10			Kupang FSS/ Kupang APP/ Ujung Pandang ACC
							↑	
W 44 WHISKEY FOUR FOUR ▲ "BLI" VOR / DME 08 45 02.05 S 115 09 47.90 E ▲ E L B A M 07 23 40.74 S 118 43 35.34 E ▲ K E O N G 06 55 16.44 S 120 01 58.44 E ▲ K U M A N 06 11 19.32 S 121 50 07.44 E ▲ E M O N A 05 15 54.00 S 124 13 00.00 E ▲ H U M U S 04 21 14.34 S 126 40 37.68 E								RVSM
	070 250	227.1				↓		Bali APP / Ujung Pandang ACC
		82.8						
	068 248	116.1						Ujung Pandang ACC
	069 249	152.7	FL 460 FL 245	6000 FT A, C	10			Ujung Pandang FSS/ Ujung Pandang ACC
	070 250	157.1					↑	Ambon FSS Ujung Pandang ACC

Cont.

ENR 3 ATS ROUTES

3.1 Domestic ATS Routes

Route designator Significant points Coordinates	Track TRUE	DIST (NM)	Upper Limit Lower Limit	MNM FLT ALT Air Space Classification	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2	3	3	4	5	5	6	6
Cont. W 55 WHISKEY FIVE FIVE								
▲ "AMN" VOR / DME 03 36 53.71 S 128 11 09.82 E	192 012	100.4	FL 460 FL 245	4500 FT A, C	10	↓	↑	Ambon APP / Ujung Pandang ACC
▲ B E N T O 05 14 17.92 S 127 46 33.11 E	203 023	183						Ambon FSS Ujung Pandang ACC
▲ V A L G O 08 03 35.69 S 126 34 49.94 E		28						Ujung Pandang FIR Above FL245
▲ BACAU 08 29.1 S 126 24.0 E								Timor Leste FIR Below FL245
W 61 WHISKEY SIX ONE								RVSM
▲ "BIK" VOR / DME 01 10 56.86 S 136 05 10.14 E	284 104	100	FL 460 FL 245	10000 FT A, C	10	↓	↑	Biak APP Ujung Pandang ACC
▲ F I L M O 00 47 12.00 S 134 28 00.00 E	283 103	191.7						Biak FSS / Ujung Pandang ACC
▲ F A S A L 00 02 30.00 S 131 21 36.00 E		134.5						Manado FSS/ Ujung Pandang ACC
▲ F A T O L 00 29 00.00 N 129 10 48.00 E		48.5						
▲ F O R M Y 00 40 18.00 N 128 23 36.00 E	281 101	110						Manado APP/ Ujung Pandang ACC
▲ H A L M O 01 00 52.94 N 126 35 25.55 E		100						
▲ "MWB" VOR / DME 01 19 23.70 N 124 57 17.61 E						↑		

ENR 3 ATS ROUTES
3.2 International ATS Routes

Route designator Significant points Coordinates	Track TRUE	DIST (NM)	Upper Limit Lower	MNM FLT ALT Air Space Classifi- cation	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2	3	4	5	6			
A 215 Cont. ALFA TWO ONE FIVE								
▲ <u>LEBON</u> 05 39 00 S 13243 12 E		508.4					↓	Ujung Pandang FIR
▲ <u>EMONA</u> 0515 54 S 12413 00 E	<u>275</u> 095	280.6	FL460 FL245	FL250 A	100			<u>Ujung</u> <u>Pandang ACC</u>
▲ <u>"MKS" VOR/DME</u> 0502 16.12 S 11931 34.28 E								
▲ <u>KEVOK</u> 0420 27.36 S 11456 30.26 E	<u>280</u> 100	277.3				↑		
A 339 ALFA THREE THREE NINE								
▲ <u>ELBIS</u> 09 05 18 S 127 43 42 E								Brisbane FIR
<u>PINIR</u> ▲ 08 46 35.68 S 127 48 06.74 E		240.3				↓		Ujung Pandang FIR
▲ <u>OSUVI</u> 05 11 13.22 S 128 38 26.27 E	<u>016</u> 196	113.6						<u>Ujung Pandang</u> <u>ACC</u>
▲ <u>SADEP</u> 03 20 33.46 S 129 04 10.29 E	<u>010</u> 190	146.3						
▲ <u>X-B472</u> 00 55 36 S 129 23 48 E	<u>021</u> 201	143.8	<u>FL 460</u> FL 245	FL250 A	100			
▲ <u>DOTIR</u> 01 20 43.18 N 130 09 31.65 E	<u>015</u> 195	163.5					↑	Ujung Pandang FIR
▲ <u>BOLUG</u> 04 00 00 N 130 46 36 E								Manila FIR

ENR 3 ATS ROUTES
3.2 International ATS Routes

Route designator Significant points Coordinates	Track TRUE	DIST (NM)	Upper Limit Lower	MNM FLT ALT Air Space Classifi- cation	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2	3	3	4	5	5	6	6
Cont. A 450 ALFA FOUR FIVE ZERO ▲ TELES 00 54 24 S 126 33 54 E ▲ AMRUD 00 21 48 N 128 35 30 E ▲ NASIR 02 51 55 N 132 30 47 E ▲ CAHYO 03 30 00 N 133 30 00 E								
	058 238	143				↓		Ujung Pandang ACC
	057 237	280	FL 460 4000 ft	11000 ft	50			Ujung Pandang FIR
		70						Manila FIR
							↑	
A458 ALFA FOUR FIVE EIGHT ▲ "KPG" VOR/DME 10 10 00.33 S 123 4130.51 E ▲ ALEGO 10 38 24 S 125 08 00 E								
	108 288	90	FL 460 4000 ft	4600 ft A, C	50	↓	↑	Ujung Pandang ACC Ujung Pandang FIR
								Brisbane FIR
A 461 ALFA FOUR SIX ONE ▲ MOLLY 04 00 00 N 123 43 06 E ▲ BONDA								Manila FIR
	150 330	136.4	FL460 FL245	FL250 A	100	↑	↓	UjungPandang FIR UjungPandang ACC

Cont.

ENR 3 ATS ROUTES
3.2 International ATS Routes

Route designator Significant points Coordinates	Track TRUE	DIST (NM)	Upper Limit Lower	MNM FLT ALT Air Space Classifi- cation	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2	3	3	4	5	5	6	6
<u>G 579</u> <u>GOLF FIVE</u> <u>SEVEN NINE</u> ▲ "CKG" VOR/DME 06 11 16.40 S 106 31 47.82 E ▲ DOLTA 05 07 34.12 S 105 55 29.82 E ▲ DOMIL 03 55 08.10 S 105 14 17.79 E ▲ "PLB" VOR/DME 02 52 42.92 S 104 39 11.39 E ▲ PARDI 00 34 00 S 104 13 00 E								
	331	73.2	FL 460 10000 ft	11000 ft A, C	50		↓	Jakarta ACC
		83.3						
	331	71.6	FL 460 FL 245	FL 250 A				
	349	141.2						
<u>Z 199</u> <u>ZULU ONE</u> <u>NINE NINE</u> ▲ "KPG" VOR/DME 10 10 00.33 S 123 41 30.51 E ▲ SPRIG 10 18 06 S 125 34 30 E								
	094 274	112	FL 460 10000 ft	11000 ft A, C.	50	↓	↑	Ujung Pandang ACC
								ATS ROUTE J 199 will be Required when Darwin Military Exercise area YB / R 204 is Active

ENR 3 ATS ROUTES
3.3 Area Navigation Routes

Route designator Significant points Coordinates	Track True	DIST (NM)	Upper Limit Lower	MNM FLT ALT Air Space Classifi- cation	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2		3		4	5		6
M 766 Cont. MIKE SEVEN SIX SIX ▲ <u>ODIRU</u> 00 19 49.14 S 095 06 03.40 E ▲ <u>ISBIX</u> 00 22 00.27 N 093 40 30.39 E ▲ <u>SELSU</u> 01 11 00 N 092 00 00 E								
	295 115	95.3					↓	
		111.9				↑		Jakarta FIR
								Colombo FIR
M 768 MIKE SEVEN SIX EIGHT ▲ <u>ELBIS</u> 09 05 18 S 127 43 42 E ▲ <u>ADNAT</u> 08 02 51.72 S 126 46 26.88 E ▲ <u>PORAK</u> 04 58 38.84 S 124 00 23.52 E ▲ <u>LADOP</u> 00 01 42.36 N 119 30 40.87 E ▲ <u>MAMOK</u> 04 05 06 N 115 47 12 E								Brisbane FIR
	318 138	84					↓	Ujung Pandang FIR
	318 138	247						
	318 138	404	FL460 FL245	FL250 A	50			Ujung Pandang ACC
	317 137	330				↑		Ujung Pandang FIR
								Kota Kinabalu FIR

ENR 3 ATS ROUTES
3.3 Area Navigation Routes

Route designator Significant points Coordinates	Track True	DIST (NM)	Upper Limit Lower	MNM FLT ALT Air Space Classifi- cation	Lateral Limits (NM)	Direction of Cruising Level		Remarks Controlling Unit Frequency
						Odd	Even	
1	2		3		4	5		6
▲ <u>LAMUD</u> 03 02 25.16 S 112 18 30.62 E ▲ <u>KEVOK</u> 04 20 27.36 S 114 56 30.26 E ▲ <u>KEONG</u> 06 55 16.44 S 120 01 58.44 E ▲ <u>POVOT</u> 09 23 51.85 S 125 06 25.50 E ▲ <u>KIKEM</u> 09 52 54.00 S 126 07 24.00 E	<u>117</u> 297	41.3						(Ujung Pandang West UTA) Freq.132.5 MHz
	<u>116</u> 296	176						
	<u>117</u> 297	341.3						Ujung Pandang ACC
	<u>116</u> 296	345.7					↑	(Ujung Pandang East UTA) Freq.128.1 MHz
	<u>116</u> 296	067						

