

AD CHART

KOCHI AP

★ ABN
TOWER

TRUE NORTH

WIND SPEED METER

VOR/DME(KRE)

A-1

T-1

RUNWAY GUARD LIGHTS

CIRCLING GUIDANCE LIGHTS

T-2

TAXIING GUIDANCE SIGNS

T-3

ARP

A-2

0 1 2 3 4 5 6

A-3

A-4

A-5

1 2 3 4 5 6

5B

5A

L K J I H G F E

D C B A

6

5

4

3

2

1

0

T-6

WDI

OVERRUN LIGHTS

583.5m

PAPI Angle 3.0°
MEHT 25.5m(84ft)

WIND SPEED METER

404.4m

PAPI Angle 3.0°
MEHT 20m(66ft)

REMARKS: RUNWAY GROOVING 2500m x 30m
WIDTH OF TAXIWAY 34m
T-2, T-3, T-4 & T-5 28.5m
T-1 & T-6 23m
A-1, A-2, A-3, A-4 & A-5

Example for MANDATORY INSTRUCTION MARKING

Installed on TWY T1 THRU T6.

32-14

32-14

LONGITUDINAL PROFILE OF RUNWAY

RWY 14

42ft (12.77m)

-0.55%

37ft (11.26m)

-0.10%

32ft (9.63m)

-0.69%

29ft (8.92m)

-0.60%

23ft (7.12m)

-0.15%

21ft (6.54m)

-0.34%

20ft (6.13m)

-0.20%

18ft (5.46m)

-0.03%

18ft (5.43m)

RWY 32

0m 275m 511.5m 1240m 1540m 1940m 2060m 2400m 2500m

SIMPLE APPROACH LIGHTING SYSTEM

APPROACH LIGHT BEACONS

362.929m(169.358m)

420m

SEQUENCED FLASHING LIGHT (SFL-V)

420m

STANDARD DEPARTURE CHART - INSTRUMENT

RJOK / KOCHI

SID

SHIMIZU SEVEN DEPARTURE

RWY 14 : Climb RWY HDG to 500FT, turn right HDG 268°...

RWY 32 : Climb RWY HDG to 800FT, turn right...

...to intercept and proceed via KRE R223/SUC R043 to SUC VORTAC.

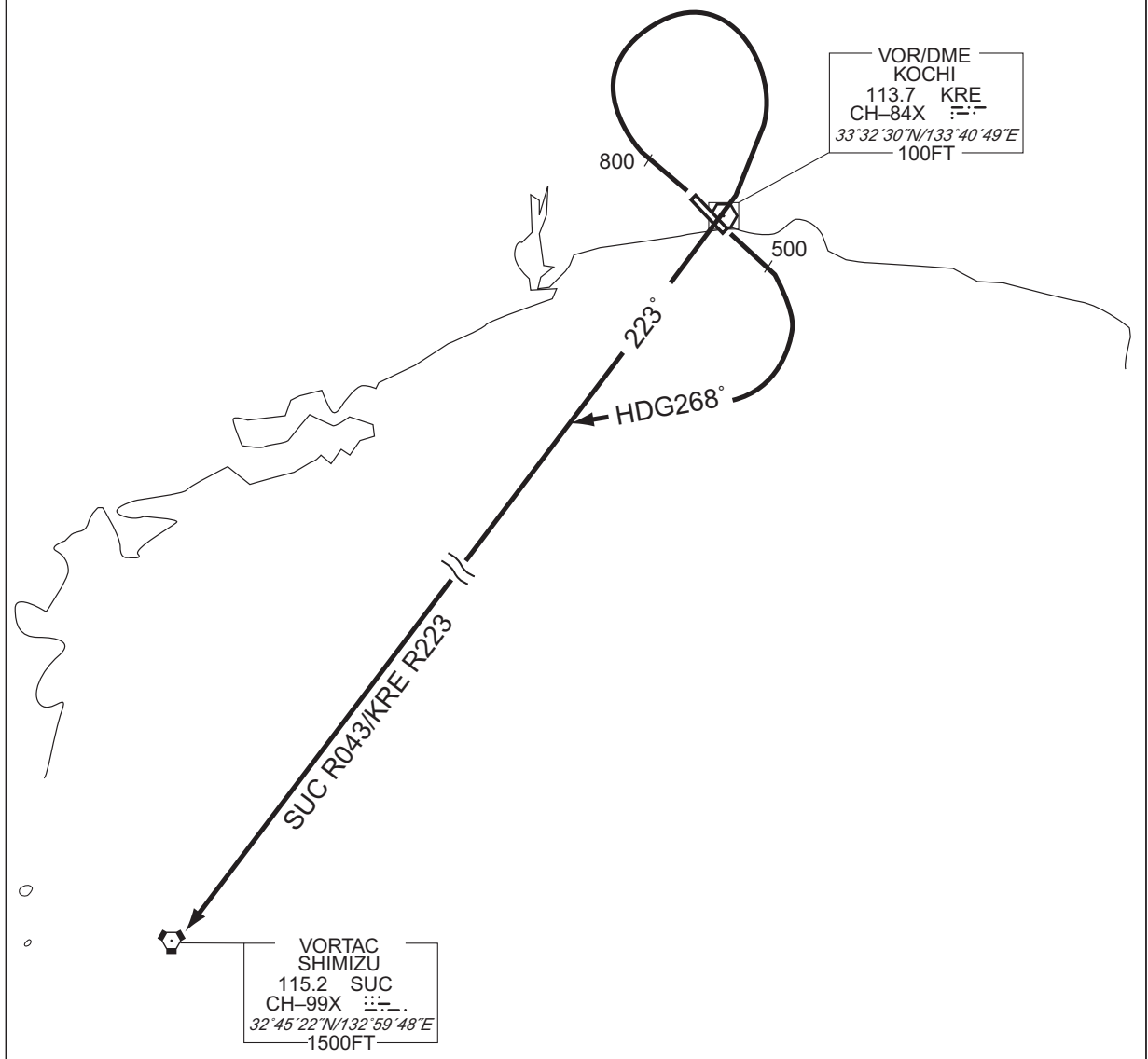
Note RWY14 : 5.0% climb gradient required up to 500FT.

OBST ALT 61FT located at 0.2NM 179° FM end of RWY14.

RWY32 : 6.0% climb gradient required up to 2500FT.

OBST ALT 2165FT located at 6.6NM 359° FM end of RWY32.

CHANGE : PROC renamed. Note RWY14 added.



STANDARD DEPARTURE CHART - INSTRUMENT

RJOK / KOCHI

SID

KOCHI REVERSAL SIX DEPARTURE

RWY 14 : Climb RWY HDG to 500FT, turn right...

RWY 32 : Climb RWY HDG to 800FT, turn right HDG 205°...

...to intercept and proceed via KRE R160 to KRE 10.0DME, turn left
proceed to KRE VOR/DME.

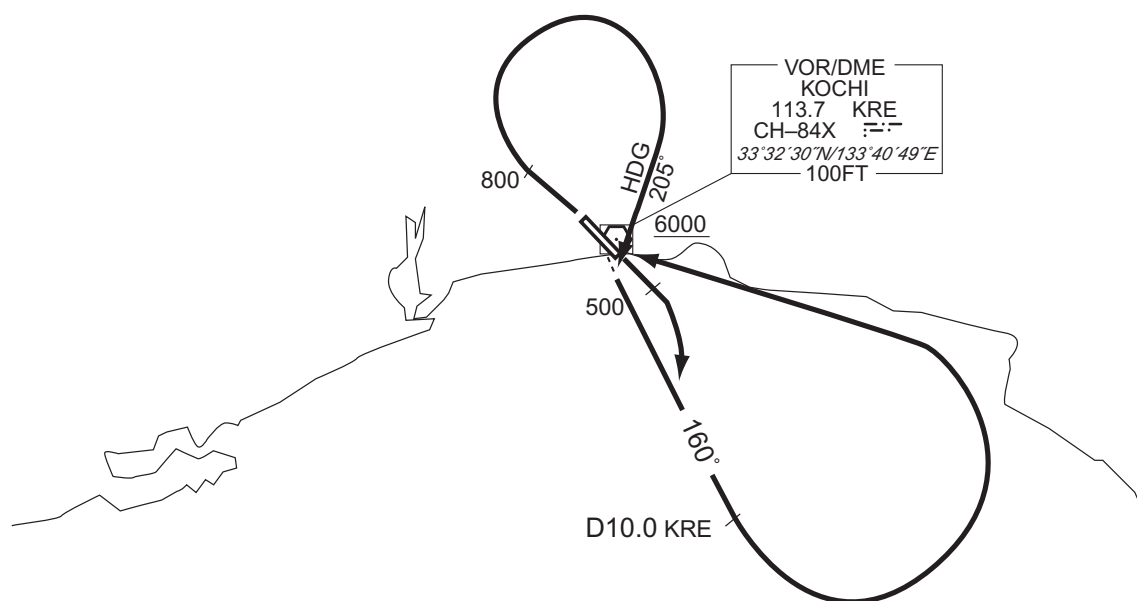
Cross KRE VOR/DME at or above 6000FT.

Note RWY14 : 5.0% climb gradient required up to 500FT.

OBST ALT 61FT located at 0.2NM 179° FM end of RWY14.

RWY32 : 6.0% climb gradient required up to 2500FT.

OBST ALT 2165FT located at 6.6NM 359° FM end of RWY32.



CHANGE : PROC renamed. Note RWY14 added.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOK / KOCHI

SID

URADO REVERSAL FOUR DEPARTURE

RWY 14 : Climb RWY HDG to 500FT, turn right HDG 255°...

RWY 32 : Climb RWY HDG to 800FT, trun right...

...to intercept and proceed via KRE R210 to KRE 15.0DME, turn right
proceed to KRE VOR/DME.

Cross KRE VOR/DME at or above 6000FT.

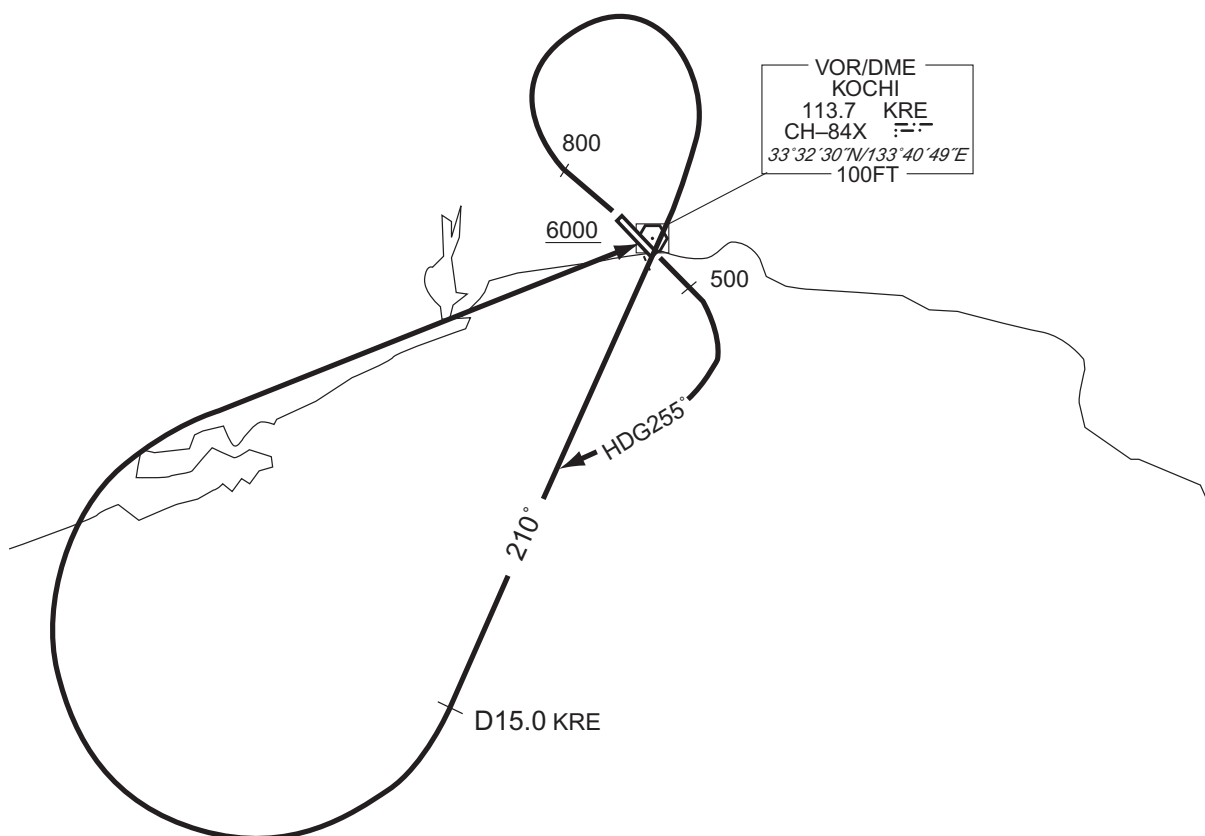
Note RWY14 : 5.0% climb gradient required up to 500FT.

OBST ALT 61FT located at 0.2NM 179° FM end of RWY14.

RWY32 : 6.0% climb gradient required up to 2500FT.

OBST ALT 2165FT located at 6.6NM 359° FM end of RWY32.

CHANGE : PROC renamed. Note RWY14 added.



STANDARD DEPARTURE CHART -INSTRUMENT

RJOK / KOCHI

RNAV SID

KAIFU TWO DEPARTURE

RNAV 1

Note 1) DME/DME/IRU or GNSS required.

※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.

2) RADAR service required.

Critical DME

RWY14 : KRE 3.0NM FM DER - 23NM to KAIFU
SUC 3.0NM FM DER - 32NM to KAIFU
RWY32 : KRE 9NM to OK32C - 28NM to KAIFU
SUC 9NM to OK32C - 4NM to OK32C

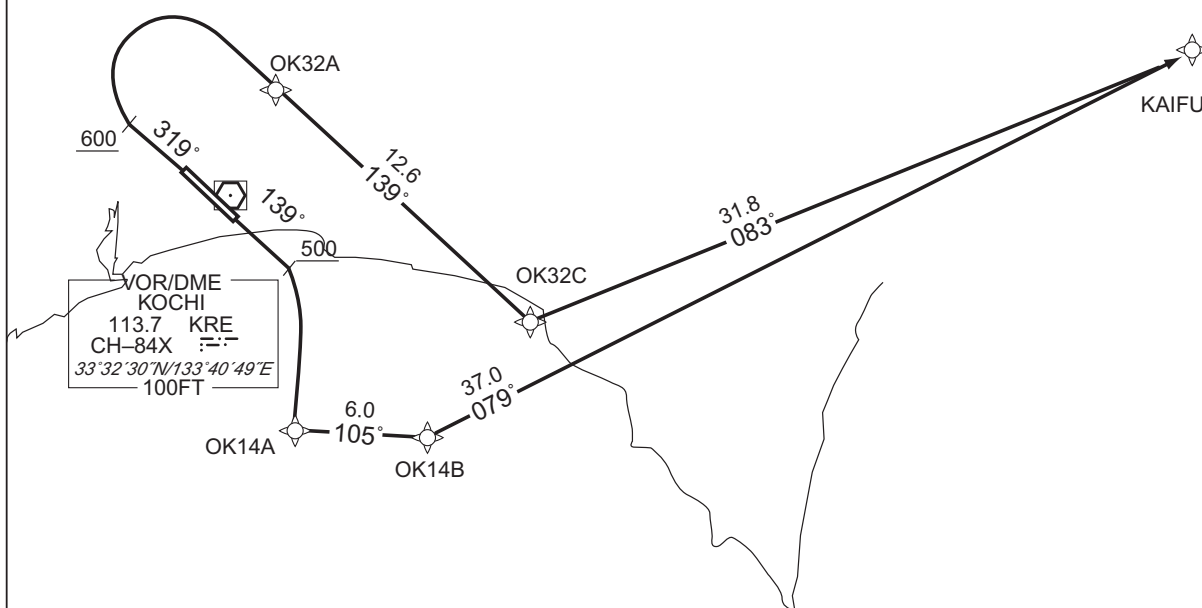
DME GAP

RWY14 : DER - 3.0NM FM DER
RWY32 : DER - 9NM to OK32C

Inappropriate NavAids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8° W



RWY14 : Climb on HDG139° at or above 500FT, turn right direct to OK14A, to OK14B, to KAIFU.

RWY32 : Climb on HDG319° at or above 600FT, turn right direct to OK32A, to OK32C, to KAIFU.

Note RWY14 : 5.0% climb gradient required up to 500FT.

OBST ALT 61FT located at 0.2NM 179° FM end of RWY14.

RWY32 : 6.0% climb gradient required up to 2300FT.

OBST ALT 1970FT located at 6.1NM 005° FM end of RWY32.

CHANGE : PROC renamed. VAR. PROC course. Note RWY14 added.

STANDARD DEPARTURE CHART -INSTRUMENT

RJOK / KOCHI

RNAV SID

KAIFU TWO DEPARTURE

RWY14

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	139 (130.6)	-7.9	—	—	+500	—	—	RNAV1
002	DF	OK14A	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	OK14B	—	105 (097.5)	-7.9	6.0	—	—	—	—	RNAV1
004	TF	KAIFU	—	079 (070.7)	-7.9	37.0	—	—	—	—	RNAV1

RWY32

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	319 (310.6)	-7.9	—	—	+600	—	—	RNAV1
002	DF	OK32A	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	OK32C	—	139 (130.7)	-7.9	12.6	—	—	—	—	RNAV1
004	TF	KAIFU	—	083 (075.0)	-7.9	31.8	—	—	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
OK14A	332450.3N / 1334334.2E	KAIFU	333610.0N / 1343231.2E
OK14B	332402.9N / 1335040.3E		
OK32A	333615.7N / 1334417.5E		
OK32C	332804.1N / 1335542.6E		

CHANGE : PROC renamed. PROC course. VAR added. Navigation Specification. Waypoint Coordinates added.

CHANGE : PROC renamed. PROC course. VAR added. Navigation Specification. Waypoint Coordinates added.

STANDARD DEPARTURE CHART -INSTRUMENT

RJOK / KOCHI

RNAV SID and TRANSITION

MUROT TWO DEPARTURE / KUSHIMOTO TRANSITION		RNAV 1
<div>Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required.</div>	Critical DME	RWY14 : KRE 3.0NM FM DER - 5.0NM to MUROT SUC 3.0NM FM DER - 24.0NM to MUROT RWY32 : KRE 18.0NM to OK32D - 5.0NM to MUROT SUC 18.0NM to OK32D - 11.0NM to OK32D
	DME GAP	RWY14 : DER - 3.0NM FM DER RWY32 : DER - 18.0NM to OK32D
	Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1
<div><div>VAR 8° W</div><div><div>VOR/DME KOCHI 113.7 KRE CH-84X 33°32'30"N/133°40'49"E 100FT</div><div><div>VORTAC KUSHIMOTO 112.9 KEC CH-76X 33°26'52"N/135°47'40"E 200FT</div></div><div><div><div>MUROT TWO DEPARTURE</div><div>KUSHIMOTO TRANSITION</div></div></div></div></div>		
<div><div>MUROT TWO DEPARTURE</div><div>RWY14 : Climb on HDG139° at or above 500FT, turn right direct to OK14A, to MUROT. RWY32 : Climb on HDG319° at or above 600FT, turn right direct to OK32A, to OK32D, to MUROT. Note RWY14 : 5.0% climb gradient required up to 500FT. OBST ALT 61FT located at 0.2NM 179° FM end of RWY14. RWY32 : 6.0% climb gradient required up to 2300FT. OBST ALT 1970FT located at 6.1NM 005° FM end of RWY32.</div></div>		
<div><div>KUSHIMOTO TRANSITION</div><div>From MUROT, to MIYAT, to MERID, to KEC.</div></div>		

STANDARD DEPARTURE CHART -INSTRUMENT

RJOK / KOCHI

RNAV SID and TRANSITION

MUROT TWO DEPARTURE

RWY14

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	139 (130.6)	-7.9	—	—	+500	—	—	RNAV1
002	DF	OK14A	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	MUROT	—	105 (097.6)	-7.9	30.9	—	—	—	—	RNAV1

RWY32

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	319 (310.6)	-7.9	—	—	+600	—	—	RNAV1
002	DF	OK32A	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	OK32D	—	139 (130.7)	-7.9	20.9	—	—	—	—	RNAV1
004	TF	MUROT	—	106 (097.7)	-7.9	14.3	—	—	—	—	RNAV1

KUSHIMOTO TRANSITION

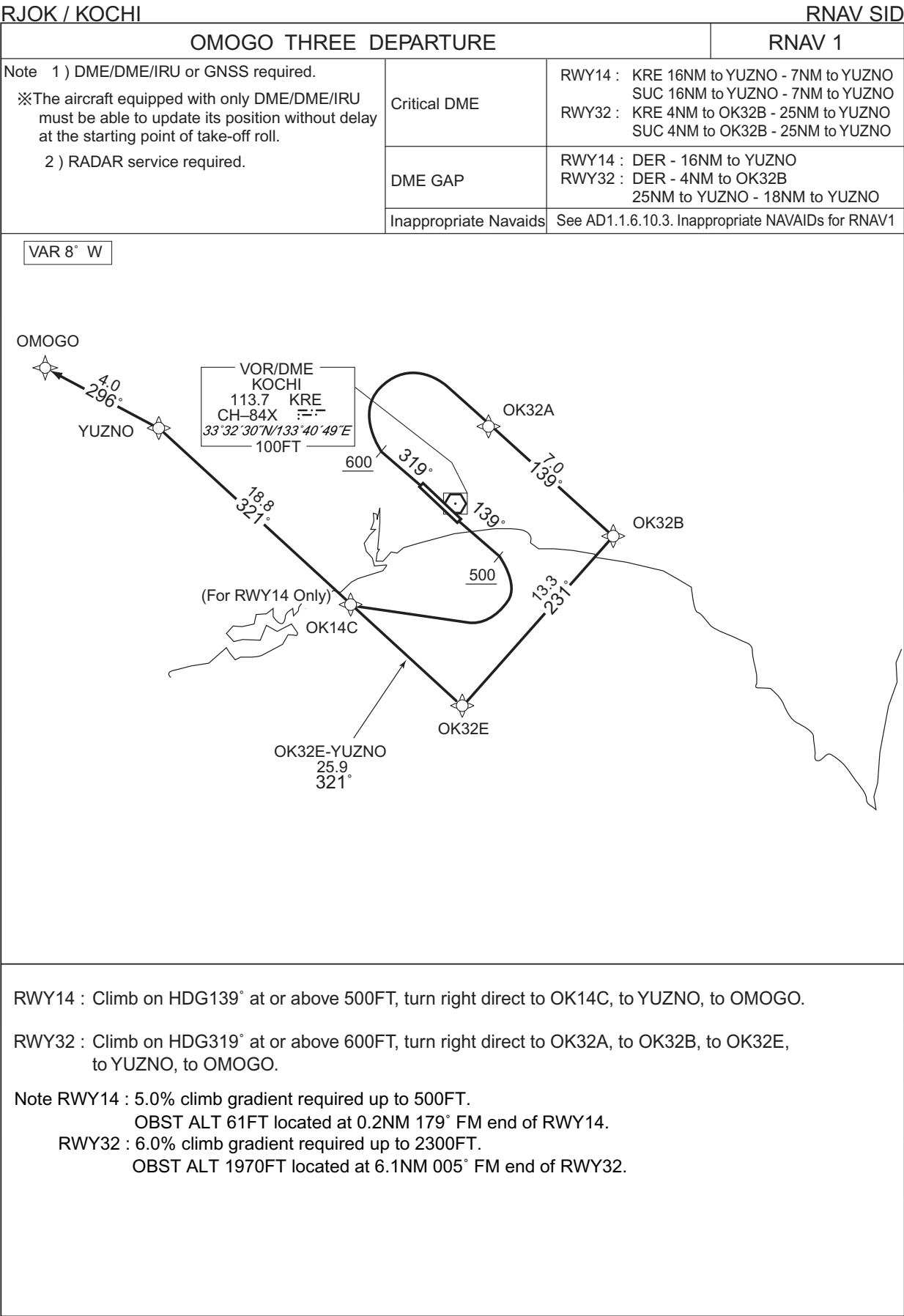
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	MUROT	—	—	-7.9	—	—	—	—	—	RNAV1
002	TF	MIYAT	—	101 (093.3)	-7.9	19.0	—	—	—	—	RNAV1
003	TF	MERID	—	090 (082.0)	-7.9	12.3	—	—	—	—	RNAV1
004	TF	KEC	—	090 (082.2)	-7.9	42.3	—	—	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
OK14A	332450.3N / 1334334.2E	MIYAT	331934.3N / 1344250.9E
OK32A	333615.7N / 1334417.5E	MERID	332115.9N / 1345728.1E
OK32D	332238.0N / 1340314.9E	KEC	332651.9N / 1354740.2E
MUROT	332041.6N / 1342010.7E		

CHANGE : PROC renamed. PROC course. VAR added. Navigation Specification. Waypoint Coordinates added.

STANDARD DEPARTURE CHART -INSTRUMENT



STANDARD DEPARTURE CHART -INSTRUMENT

RJOK / KOCHI

RNAV SID

OMOGO THREE DEPARTURE

RWY14

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	139 (130.6)	-7.9	—	—	+500	—	—	RNAV1
002	DF	OK14C	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	YUZNO	—	321 (312.9)	-7.9	18.8	—	—	—	—	RNAV1
004	TF	OMOGO	—	296 (288.5)	-7.9	4.0	—	—	—	—	RNAV1

RWY32

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	319 (310.6)	-7.9	—	—	+600	—	—	RNAV1
002	DF	OK32A	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	OK32B	—	139 (130.7)	-7.9	7.0	—	—	—	—	RNAV1
004	TF	OK32E	—	231 (222.8)	-7.9	13.3	—	—	—	—	RNAV1
005	TF	YUZNO	—	321 (312.9)	-7.9	25.9	—	—	—	—	RNAV1
006	TF	OMOGO	—	296 (288.5)	-7.9	4.0	—	—	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
OK14C	332650.1N / 1333334.8E	YUZNO	333934.0N / 1331704.7E
OK32A	333615.7N / 1334417.5E	OMOGO	334049.7N / 1331233.1E
OK32B	333143.9N / 1335036.8E		
OK32E	332159.2N / 1333949.8E		

CHANGE : PROC renamed. PROC course. VAR: Waypoint Coordinates added.

STANDARD DEPARTURE CHART -INSTRUMENT

RJOK / KOCHI

RNAV SID

RUSEV ONE DEPARTURE

RNAV 1

Note 1) DME/DME/IRU or GNSS required.

※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.

2) RADAR service required.

Critical DME

RWY14 : KRE 3.0NM FM DER - 10.0NM to OK400
SUC 3.0NM FM DER - 10.0NM to OK400
5.0NM to OK400 - 13.0NM to RUSEV
RWY32 : KRE 9.0NM to OK32C - OK32C
SUC 9.0NM to OK32C - 4.0NM to OK32C
5.0NM to OK400 - 13.0NM to RUSEV

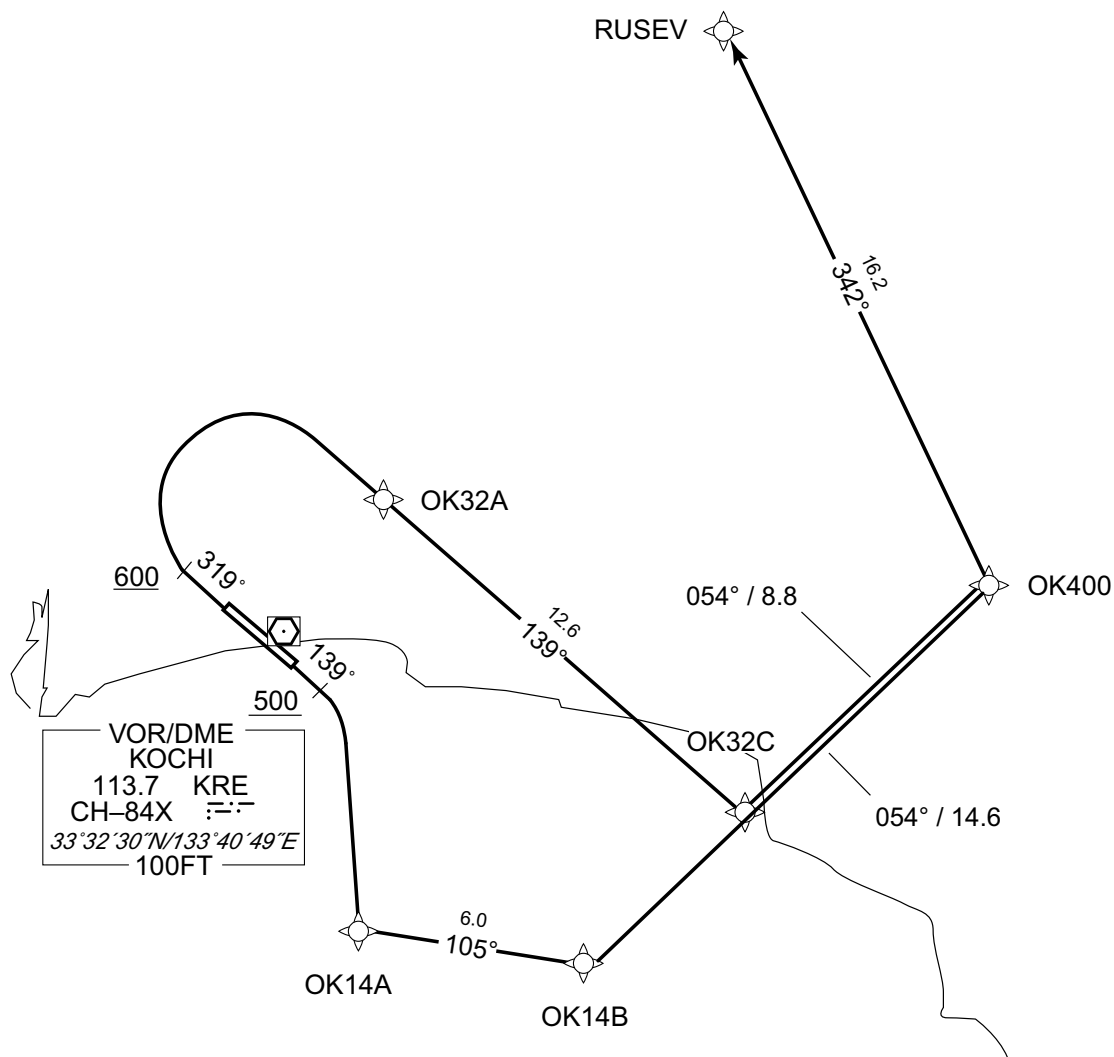
DME GAP

RWY14 : DER - 3.0NM FM DER
RWY32 : DER - 9.0NM to OK32C

Inappropriate Navaids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8° W



RWY14 : Climb on HDG139° at or above 500FT, turn right direct to OK14A, to OK14B, to OK400, to RUSEV.

RWY32 : Climb on HDG319° at or above 600FT, turn right direct to OK32A, to OK32C, to OK400, to RUSEV.

Note RWY14 : 5.0% climb gradient required up to 1200FT.

OBST ALT 61FT located at 0.2NM 179° FM end of RWY14.

OBST ALT 4560FT located at 16.9NM 068° FM end of RWY14.

RWY32 : 6.0% climb gradient required up to 2300FT.

OBST ALT 1970FT located at 6.1NM 005° FM end of RWY32.

CHANGE : New PROC.

STANDARD DEPARTURE CHART -INSTRUMENT

RJOK / KOCHI

RNAV SID

RUSEV ONE DEPARTURE

RWY14

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	139 (130.6)	-7.9	—	—	+500	—	—	RNAV1
002	DF	OK14A	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	OK14B	—	105 (097.5)	-7.9	6.0	—	—	—	—	RNAV1
004	TF	OK400	—	054 (046.3)	-7.9	14.6	—	—	—	—	RNAV1
005	TF	RUSEV	—	342 (334.2)	-7.9	16.2	—	—	—	—	RNAV1

RWY32

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	319 (310.6)	-7.9	—	—	+600	—	—	RNAV1
002	DF	OK32A	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	OK32C	—	139 (130.7)	-7.9	12.6	—	—	—	—	RNAV1
004	TF	OK400	—	054 (046.3)	-7.9	8.8	—	—	—	—	RNAV1
005	TF	RUSEV	—	342 (334.2)	-7.9	16.2	—	—	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
OK14A	332450.3N / 1334334.2E	OK400	333408.5N / 1340320.6E
OK14B	332402.9N / 1335040.3E	RUSEV	334844.3N / 1335450.3E
OK32A	333615.7N / 1334417.5E		
OK32C	332804.1N / 1335542.6E		

CHANGE : New PROC.

STANDARD ARRIVAL CHART -INSTRUMENT

RJOK / KOCHI

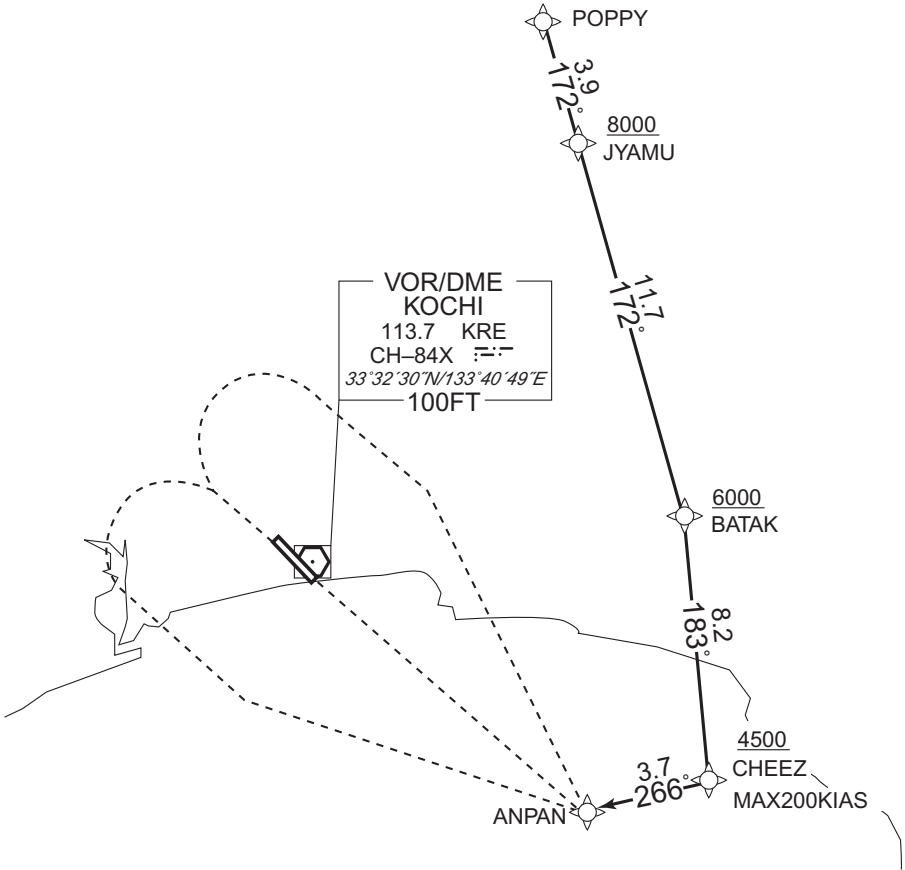
RNAV STAR

YOSAKOI NORTH ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.

VAR 8° W



From POPPY, to JYAMU at or above 8000FT, to BATAK at or above 6000FT, to CHEEZ at or above 4500FT, to ANPAN.

Critical DME	SUC	BATAK - ANPAN
	KRE	BATAK - ANPAN
DME GAP	-	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

CHANGE : VAR. PROC course.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course [°M(°T)]	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	POPPY	-	-	-7.9	-	-	-	-	-	RNAV1
002	TF	JYAMU	-	172 (164.2)	-7.9	3.9	-	+8000	-	-	RNAV1
003	TF	BATAK	-	172 (164.2)	-7.9	11.7	-	+6000	-	-	RNAV1
004	TF	CHEEZ	-	183 (175.5)	-7.9	8.2	-	+4500	-200	-	RNAV1
005	TF	ANPAN	-	266 (257.6)	-7.9	3.7	-	-	-	-	RNAV1

STANDARD ARRIVAL CHART -INSTRUMENT

RJOK / KOCHI

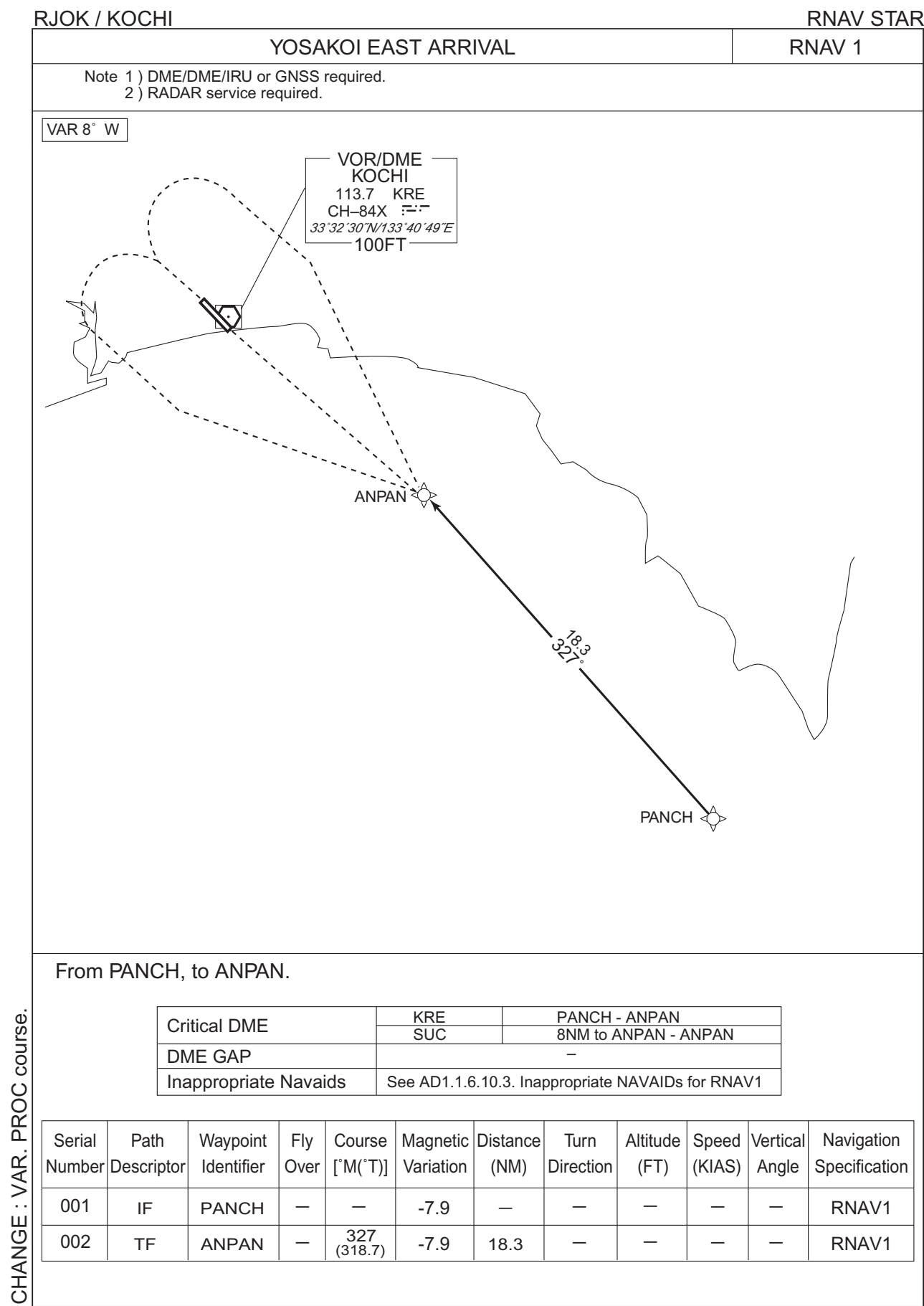
RNAV STAR

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
POPPY	334905.1N / 1334915.3E	CHEEZ	332555.0N / 1335507.1E
JYAMU	334518.9N / 1335032.4E	ANPAN	332507.5N / 1335048.5E
BATAK	333404.3N / 1335421.3E		

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART -INSTRUMENT



STANDARD ARRIVAL CHART -INSTRUMENT

RJOK / KOCHI

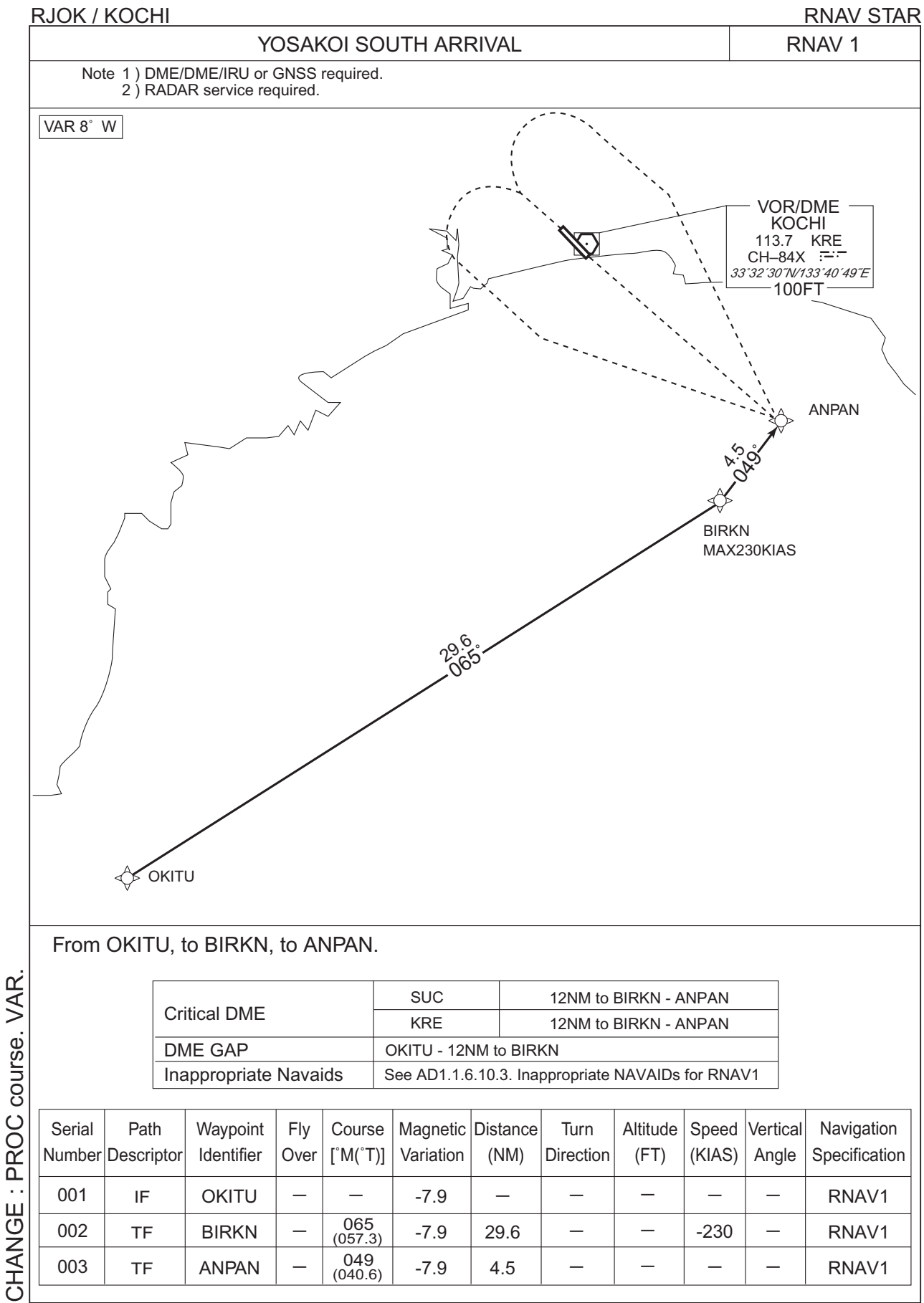
RNAV STAR

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
PANCH	331121.3N / 1340517.6E	ANPAN	332507.5N / 1335048.5E

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART -INSTRUMENT



CHANGE : PROC course. VAR.

STANDARD ARRIVAL CHART -INSTRUMENT

RJOK / KOCHI

RNAV STAR

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
OKITU	330547.5N / 1331731.5E	ANPAN	332507.5N / 1335048.5E
BIRKN	332142.6N / 1334717.9E		

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART -INSTRUMENT

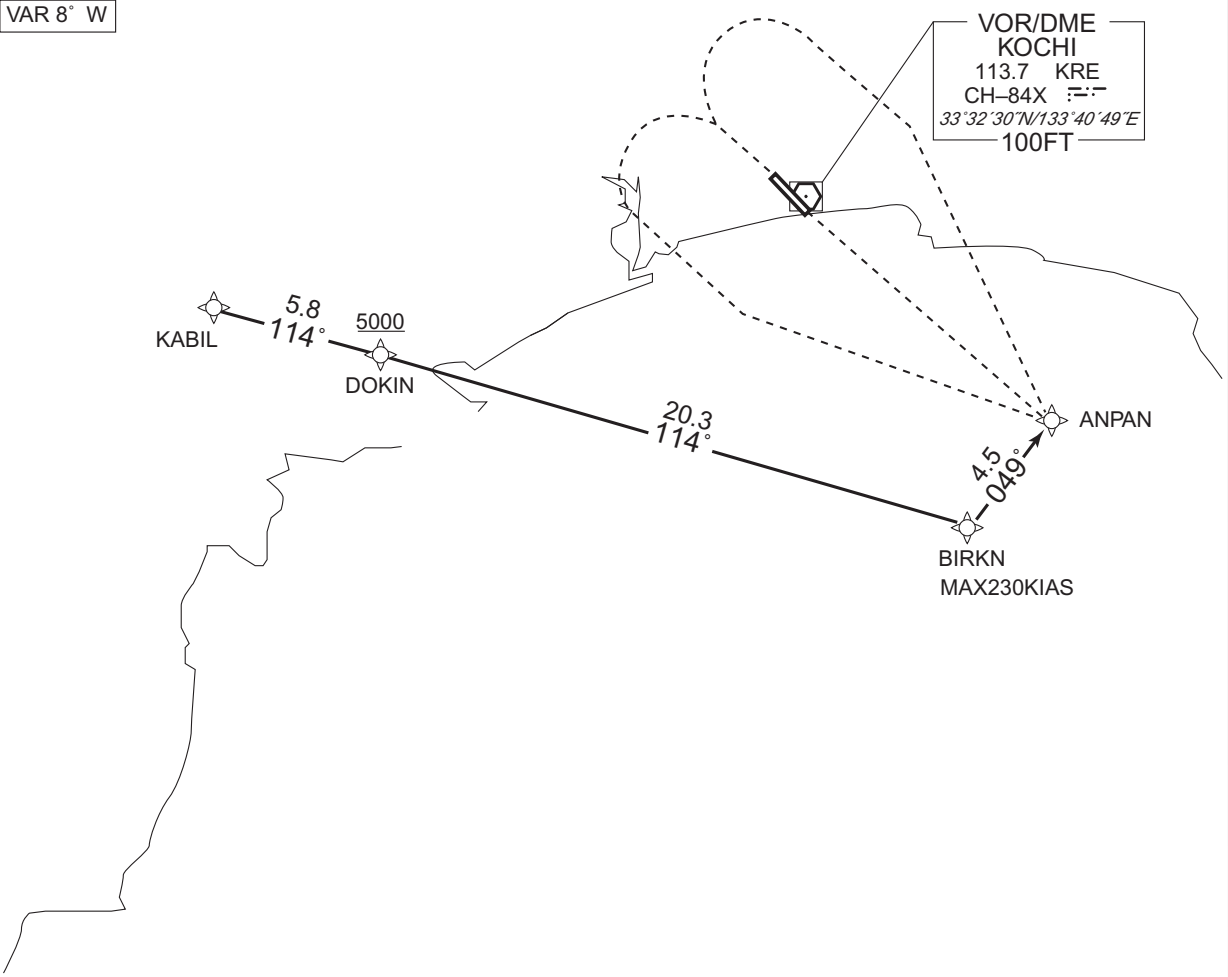
RJOK / KOCHI

RNAV STAR

YOSAKOI WEST ARRIVAL RNAV 1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.

VAR 8° W



From KABIL, to DOKIN at or above 5000FT, to BIRKN, to ANPAN.

Critical DME	KRE	1NM to DOKIN - 16NM to BIRKN 7NM to BIRKN - ANPAN
	SUC	1NM to DOKIN - 16NM to BIRKN 7NM to BIRKN - ANPAN
DME GAP	16NM to BIRKN - 7NM to BIRKN	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

CHANGE : PROC course. VAR.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course [°M(°T)]	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	KABIL	—	—	-7.9	—	—	—	—	—	RNAV1
002	TF	DOKIN	—	114 (105.9)	-7.9	5.8	—	+5000	—	—	RNAV1
003	TF	BIRKN	—	114 (105.9)	-7.9	20.3	—	—	-230	—	RNAV1
004	TF	ANPAN	—	049 (040.6)	-7.9	4.5	—	—	—	—	RNAV1

STANDARD ARRIVAL CHART -INSTRUMENT

RJOK / KOCHI

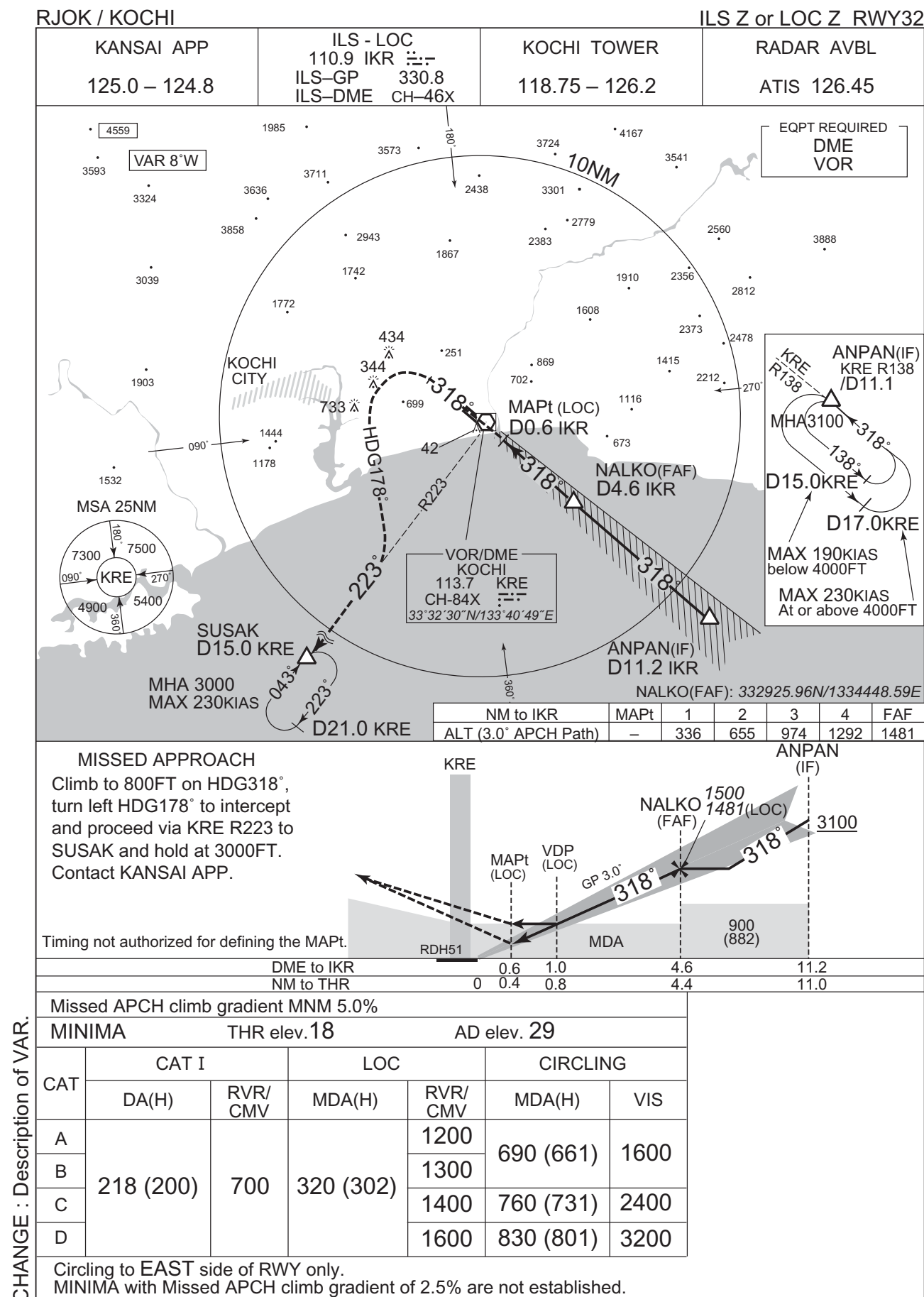
RNAV STAR

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
KABIL	332854.0N / 1331717.4E	BIRKN	332142.6N / 1334717.9E
DOKIN	332718.9N / 1332357.6E	ANPAN	332507.5N / 1335048.5E

CHANGE : Waypoint Coordinates added.

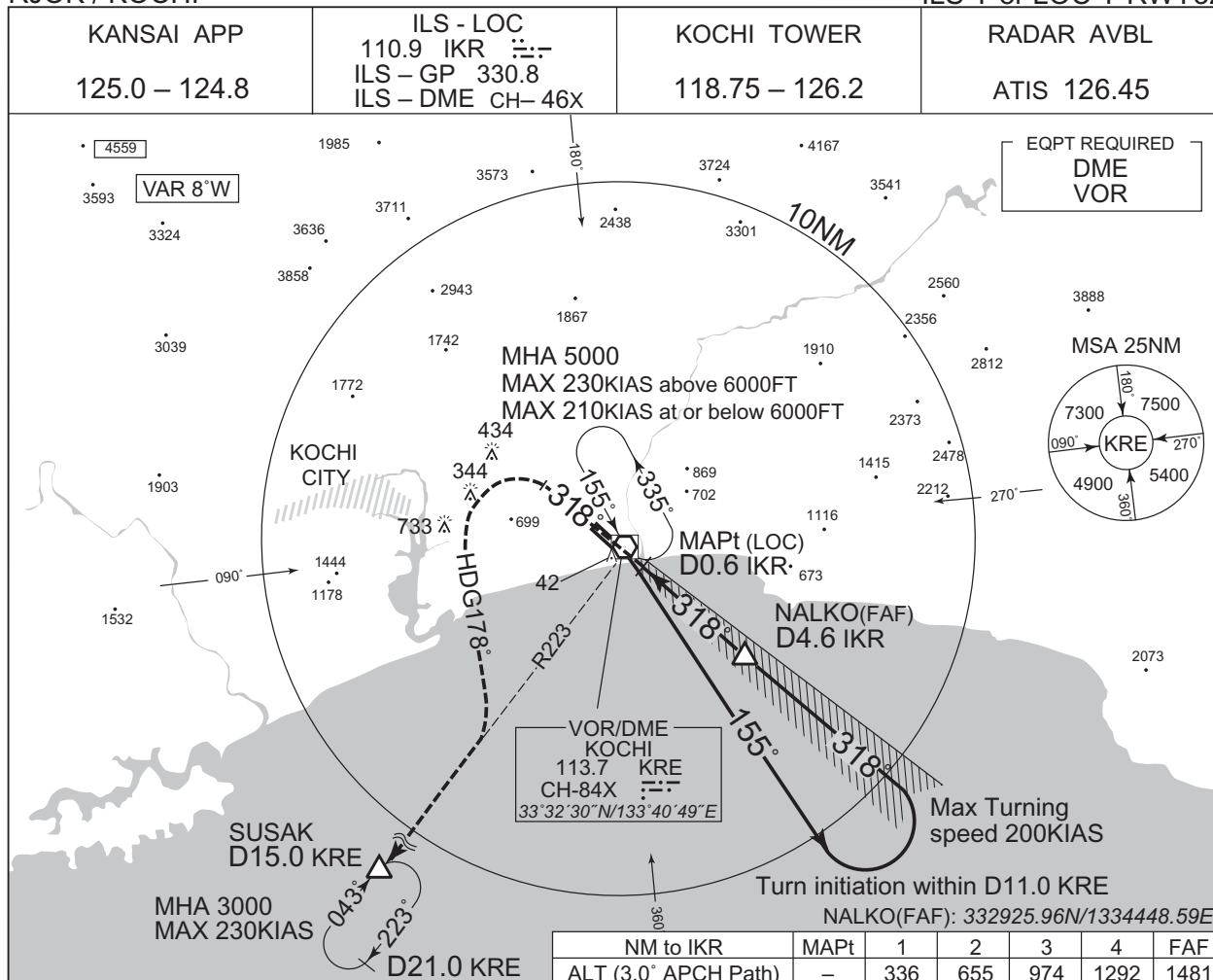
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJOK / KOCHI

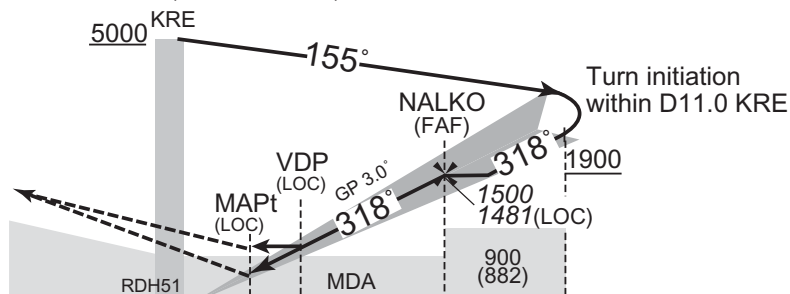
ILS Y or LOC Y RWY32



MISSED APPROACH

Climb to 800FT on HDG318°, turn left HDG178° to intercept and proceed via KRE R223 to SUSAK and hold at 3000FT. Contact KANSAI APP.

Timing not authorized for defining the MAPt.



DME to IKR	0.6	1.0	4.6	
NM to THR	0	0.4	0.8	4.4

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 18 AD elev. 29

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	218 (200)	700	320 (302)	1200	690 (661)	1600
B				1300		
C				1400	760 (731)	2400
D				1600	830 (801)	3200

Circling to EAST side of RWY only.

MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJOK / KOCHI

VOR RWY32

MISSED APPROACH
Climb via KRE R324 to 500FT,
turn left HDG178° to intercept
and proceed via KRE R223 to
SUSAK and hold at 3000FT.
Contact KANSAI APP.

Timing not authorized for defining the MAPt.

DME to KRE
NM to THR

0 0 5.0 4.9

5000 KRE

161°

Turn initiation within D11.0 KRE

YASYE (FAF) 1624

324°

1900

VDP

MAPt

MDA 900 (882)

D1.1 KRE(CAT A)
D1.2 KRE(CAT B)
D1.3 KRE(CAT C)
D1.4 KRE(CAT D)

Missed APCH climb gradient MNM 4.5%				
MINIMA		THR elev. 18	AD elev. 29	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	360 (342)	1200	690 (661)	1600
B	400 (382)	1300		
C	430 (412)	1400	760 (731)	2400
D	450 (432)	1600	830 (801)	3200

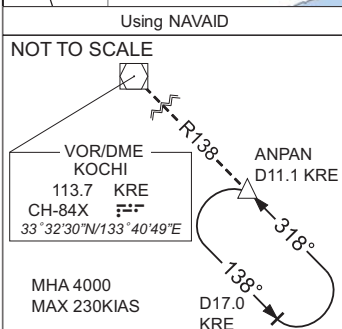
Circling to **EAST** side of RWY only.
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : VAR.

RJOK / KOCHI

RNP Z RWY14(AR)

For uncompensated Baro-VNAV systems, procedure not authorized below -5°C / above 45°C



Climb to 4000FT, to ANPAN
and hold.
Contact KANSAI APP.

MINIMA		THR elev. 42	AD elev. 29	
CAT	RNP 0.14		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	-	-	-	-
B				
C	342(300)	1400	611(569)	1600
D		1600		1800

Authorization Required

CHANGE : PROC course. VAR. MSA. RNAV HLDG abolished.

INSTRUMENT APPROACH CHART

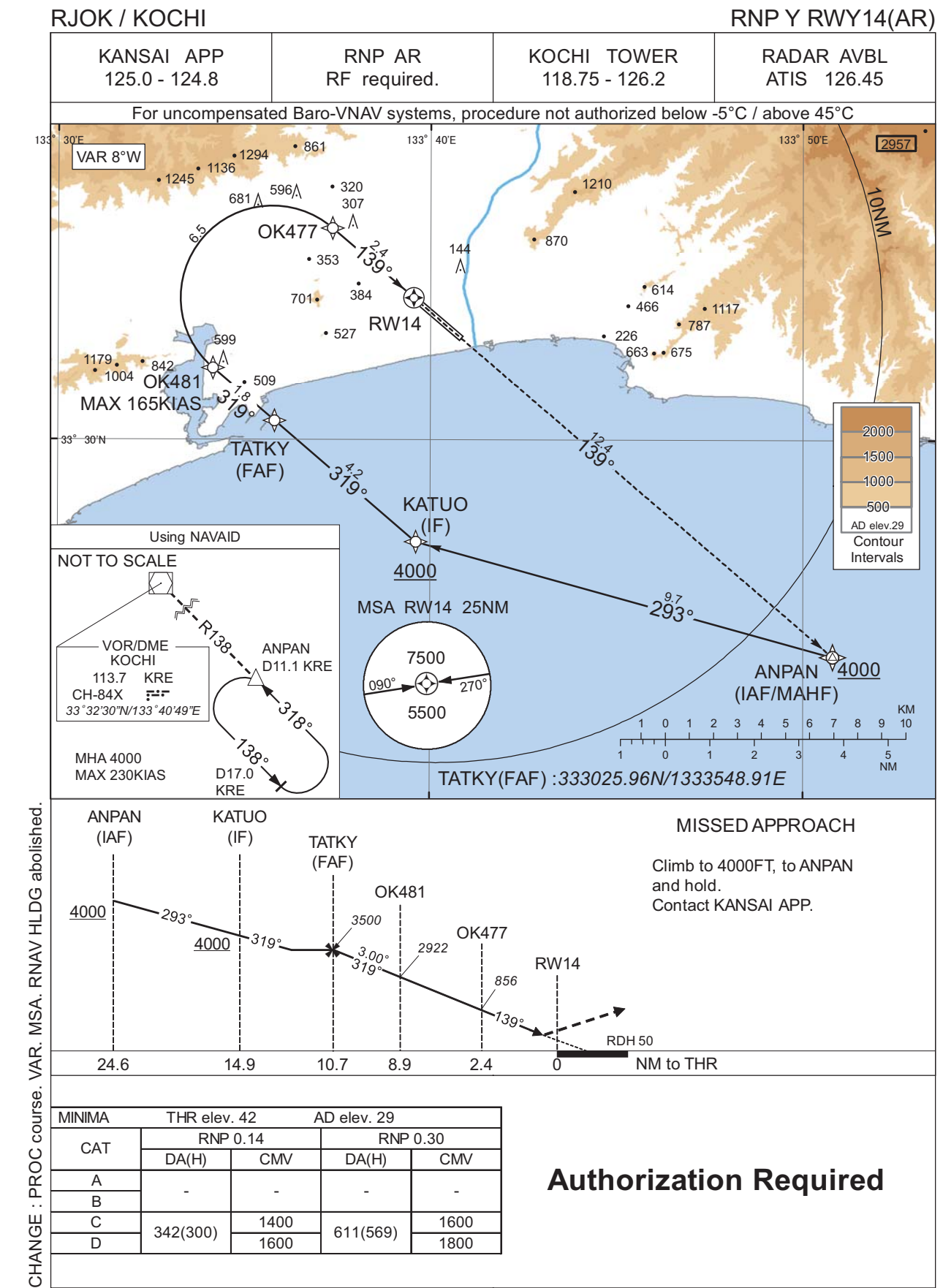
RJOK / KOCHI

RNP Z RWY14(AR)

Coding Table											
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	ANPAN	-	-	-7.9	-	-	+4000	-	-	-
002	TF	NOITI	-	344 (335.9)	-7.9	9.7	-	+4000	-	-	1.0
003	TF	IGENO	-	319 (310.7)	-7.9	4.2	-	3500	-	-	1.0
004	TF	OK451	-	319 (310.7)	-7.9	1.8	-	2922	-165	-3.00	0.14 0.30
005	RF Center: OKRF1 r=2.07NM	OK477	-	-	-7.9	6.5	L	856	-	-3.00	0.14 0.30
006	TF	RW14	Y	139 (130.6)	-7.9	2.4	-	92	-	-3.00/50	0.14 0.30
007	TF	ANPAN	-	139 (130.6)	-7.9	12.4	-	4000	-	-	1.0
Waypoint Coordinates											
Waypoint Identifier		Coordinates		RF Arc Center Identifier		Coordinates					
ANPAN		332507.54N / 1335048.52E		OKRF1		333620.13N / 1333858.11E					
NOITI		333400.03N / 1334602.07E									
IGENO		333643.39N / 1334213.86E									
OK451		333754.48N / 1334034.43E									
OK477		333445.76N / 1333721.85E									
RW14		333312.04N / 1333932.98E									

CHANGE : PROC course. VAR.

INSTRUMENT APPROACH CHART



CHANGE : PROC course. VAR. MSA. RNAV HLDG abolished.

INSTRUMENT APPROACH CHART

RJOK / KOCHI

RNP Y RWY14(AR)

Coding Table											
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	ANPAN	-	-	-7.9	-	-	+4000	-	-	-
002	TF	KATUO	-	293 (285.5)	-7.9	9.7	-	+4000	-	-	1.0
003	TF	TATKY	-	319 (310.6)	-7.9	4.2	-	3500	-	-	1.0
004	TF	OK481	-	319 (310.6)	-7.9	1.8	-	2922	-165	-3.00	0.14 0.30
005	RF Center: OKRF2 r=2.07NM	OK477	-	-	-7.9	6.5	R	856	-	-3.00	0.14 0.30
006	TF	RW14	Y	139 (130.6)	-7.9	2.4	-	92	-	-3.00/50	0.14 0.30
007	TF	ANPAN	-	139 (130.6)	-7.9	12.4	-	4000	-	-	1.0
Waypoint Coordinates											
Waypoint Identifier		Coordinates		RF Arc Center Identifier		Coordinates					
ANPAN		332507.54N / 1335048.52E		OKRF2		333311.37N / 1333545.65E					
KATUO		332742.79N / 1333937.02E									
TATKY		333025.96N / 1333548.91E									
OK481		333136.96N / 1333409.51E									
OK477		333445.76N / 1333721.85E									
RW14		333312.04N / 1333932.98E									

CHANGE : PROC course. VAR.

RJOK / KOCHI

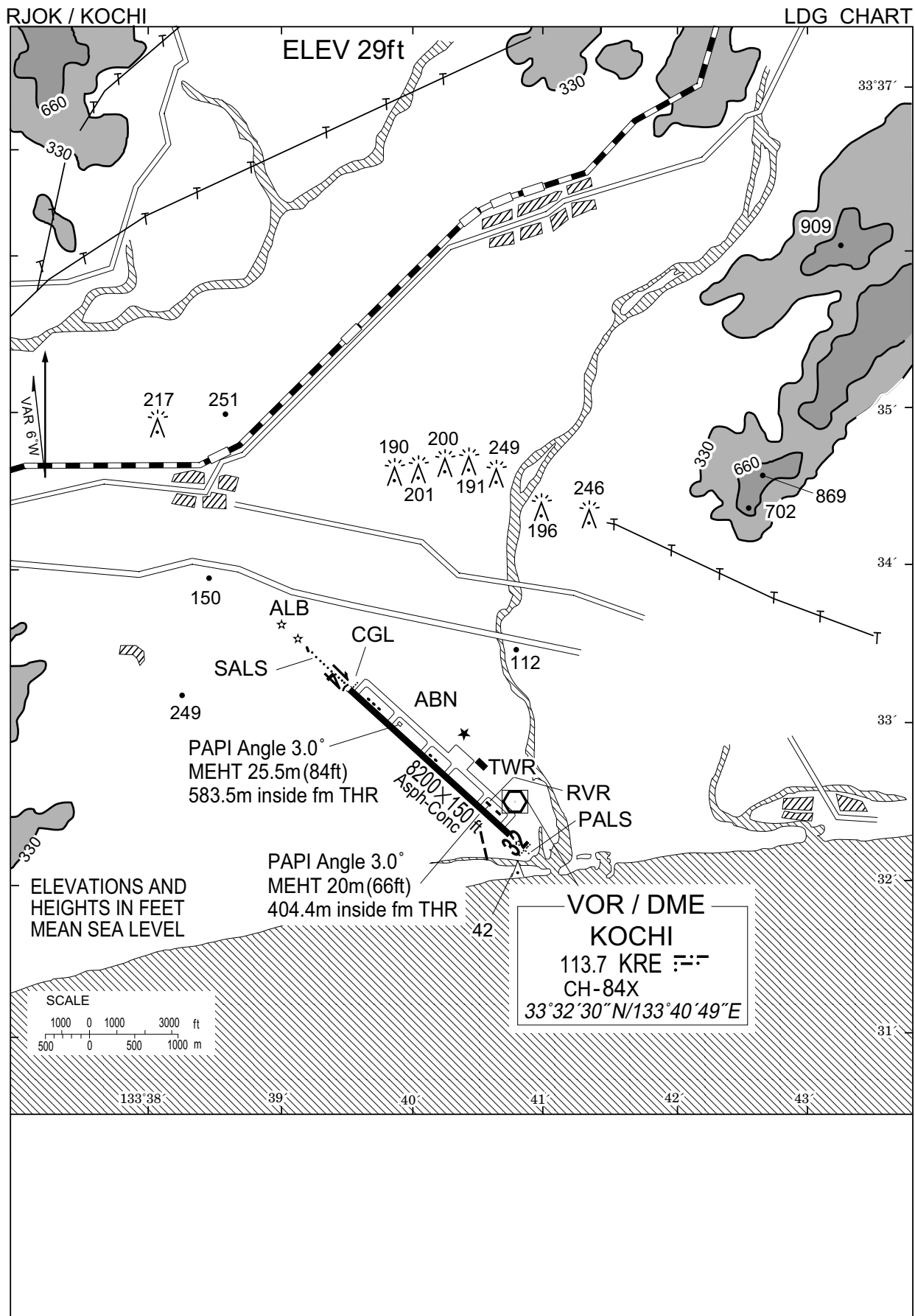
Visual REP



※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : Map updated. BRG/DIST from ARP. Call sign(Kochi city → Kochi Station). Remarks(Geisei, Yokonami).

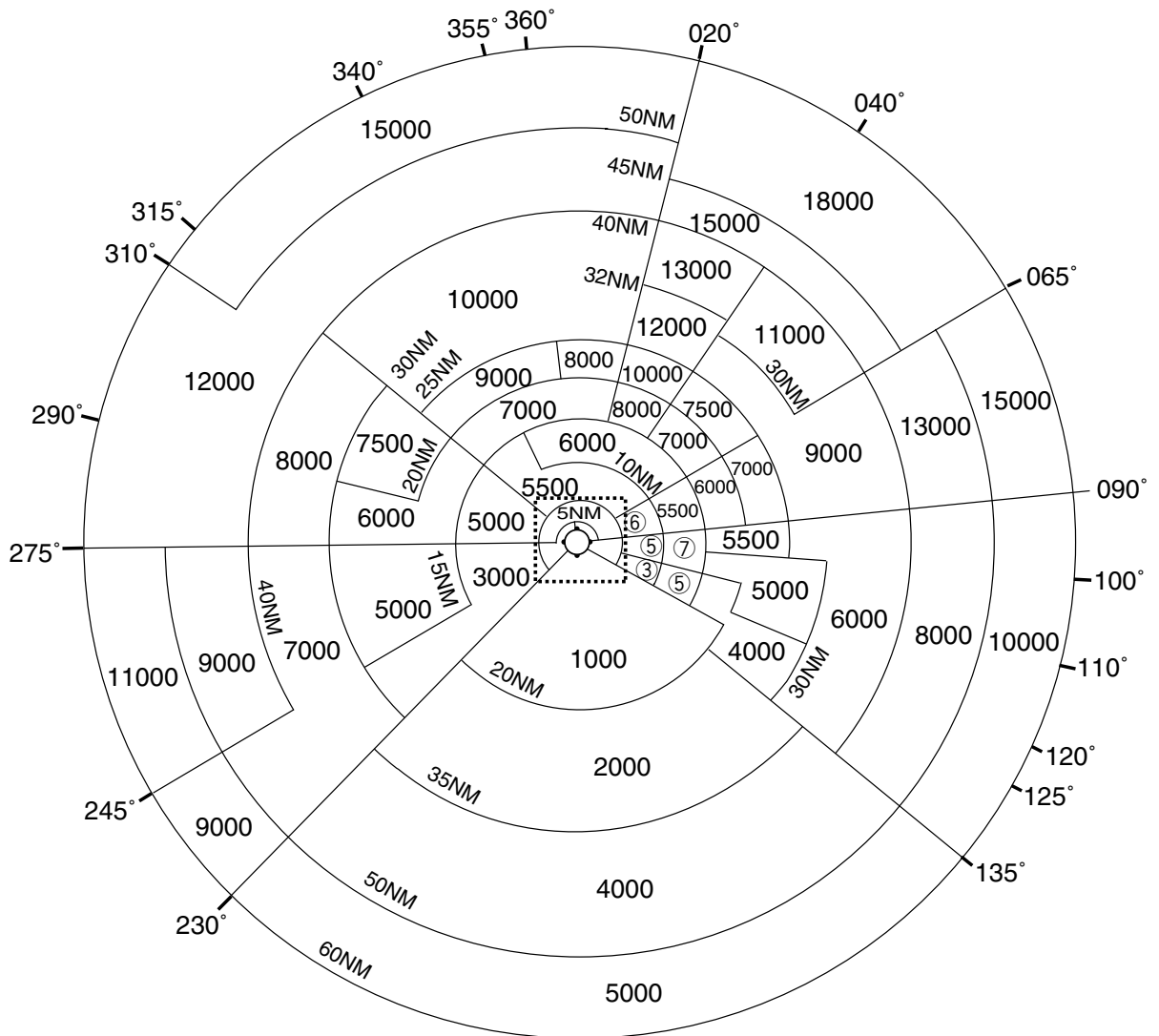
Call sign	BRG / DIST from ARP	Remarks
植野 Ueno	349°T / 5.0NM	ゴルフ場 Golf Course
工科大 Kokadai	029°T / 5.2NM	高知工科大学 Kochi University of Technology
高知駅 Kochi Station	281°T / 6.4NM	JR高知駅 Station
芸西 Geisei	104°T / 6.0NM	ホテル Hotel
桂浜 Katsurahama	242°T / 5.8NM	浦戸大橋 Bridge
安芸 Aki	104°T / 12.5NM	安芸川河口 River mouth
横浪 Yokonami	236°T / 13.0NM	ホテル Hotel



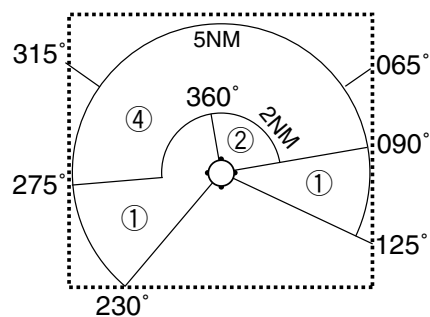
RJOK / KOCHI

Minimum Vectoring Altitude CHART

VAR 7°W (2009)



- ① 2000
- ② 2300
- ③ 2500
- ④ 3000
- ⑤ 3500
- ⑥ 4000
- ⑦ 4500



CENTER : 333245N/1334039E (RADAR SITE)