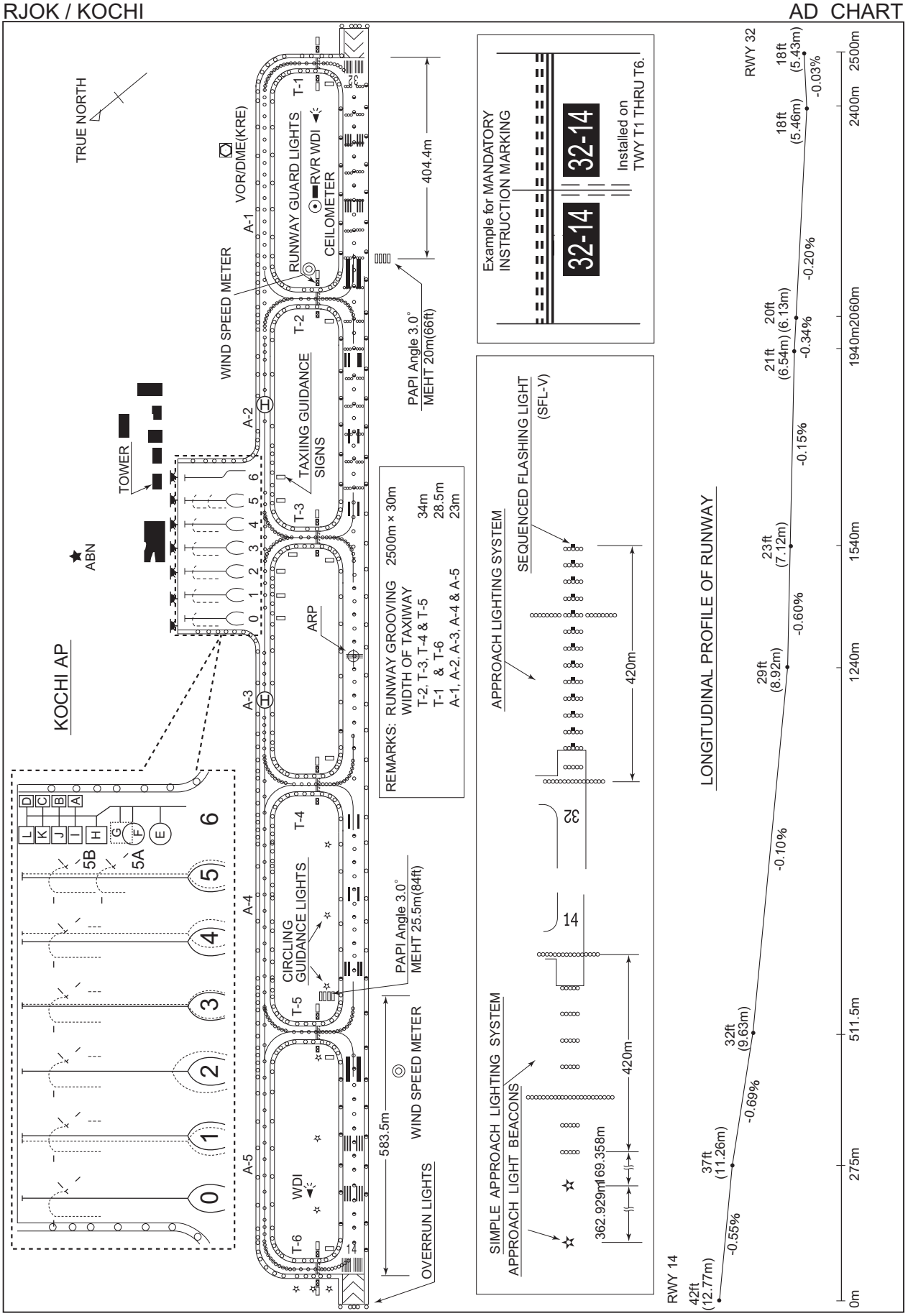
RJOK / KOCHI

AD CHART

CHANGE : RVR, WIND SPEED METAR, CEILOMETAR added.



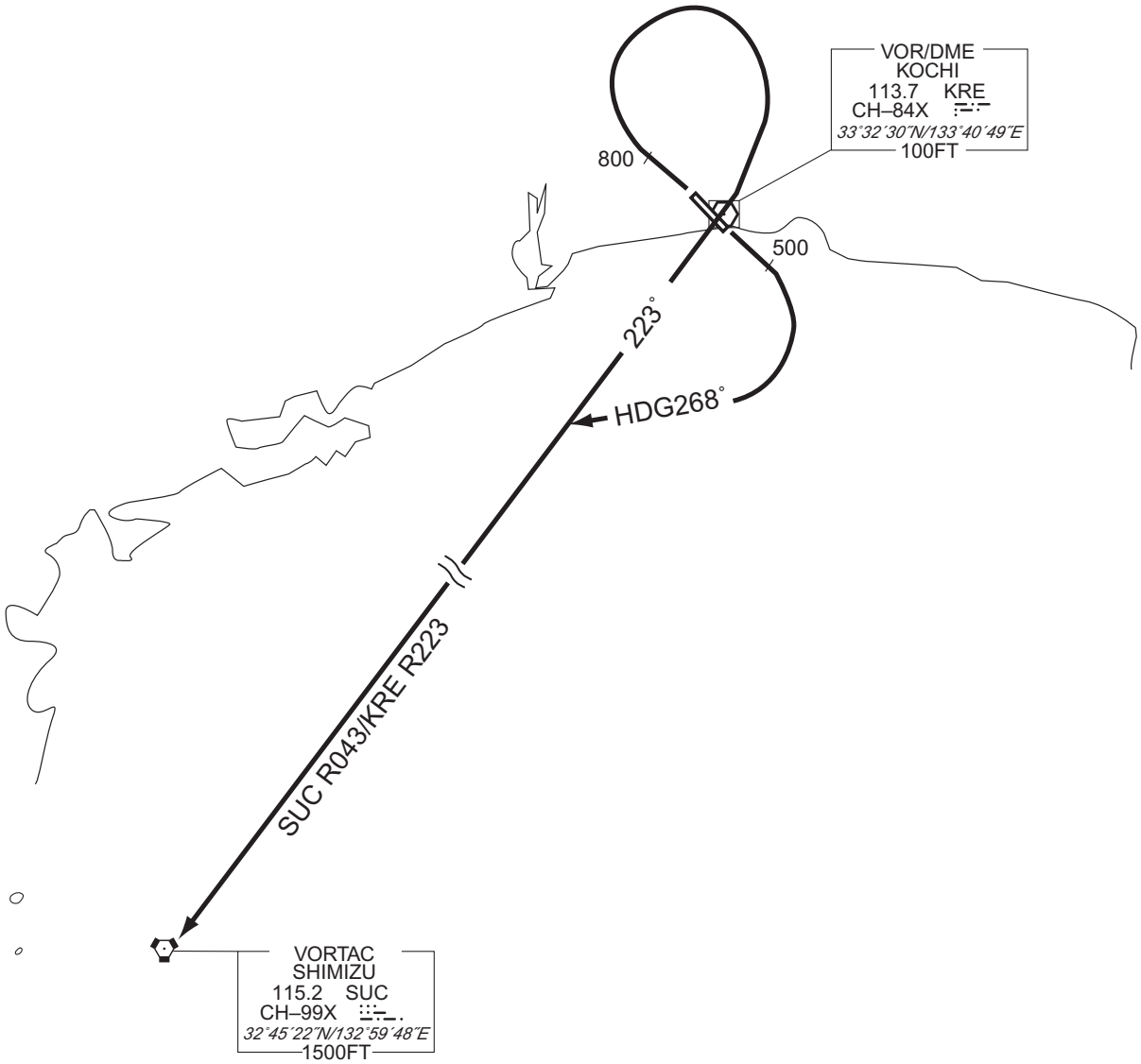
STANDARD DEPARTURE CHART - INSTRUMENT

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

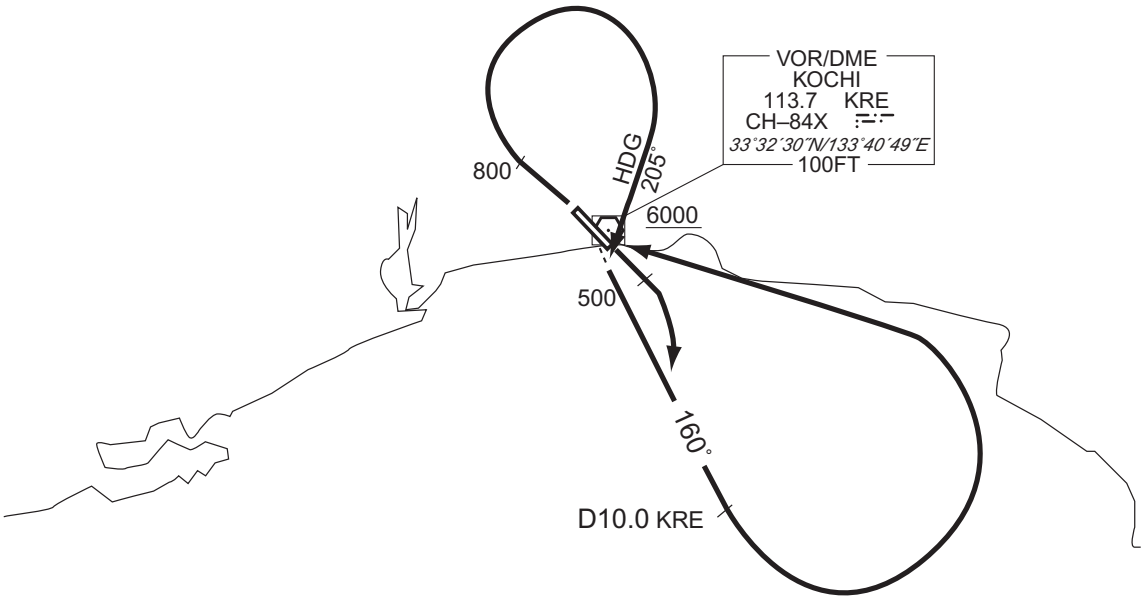
RJOK / KOCHI SID

KOCHI REVERSAL SIX DEPARTURE

RWY 14 : Climb RWY HDG to 500FT, turn right...
RWY 32 : Climb RWY HDG to 800FT, trun 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

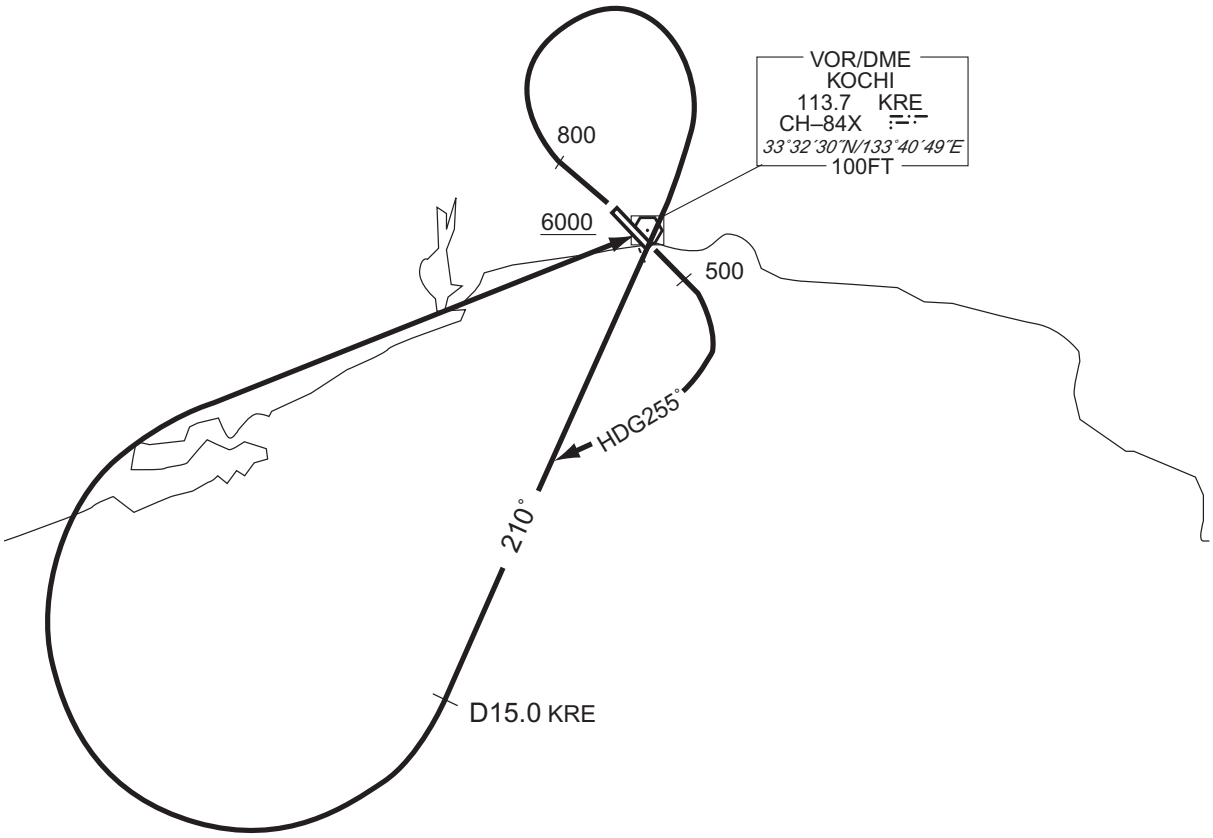
RJOK / KOCHI SID

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.

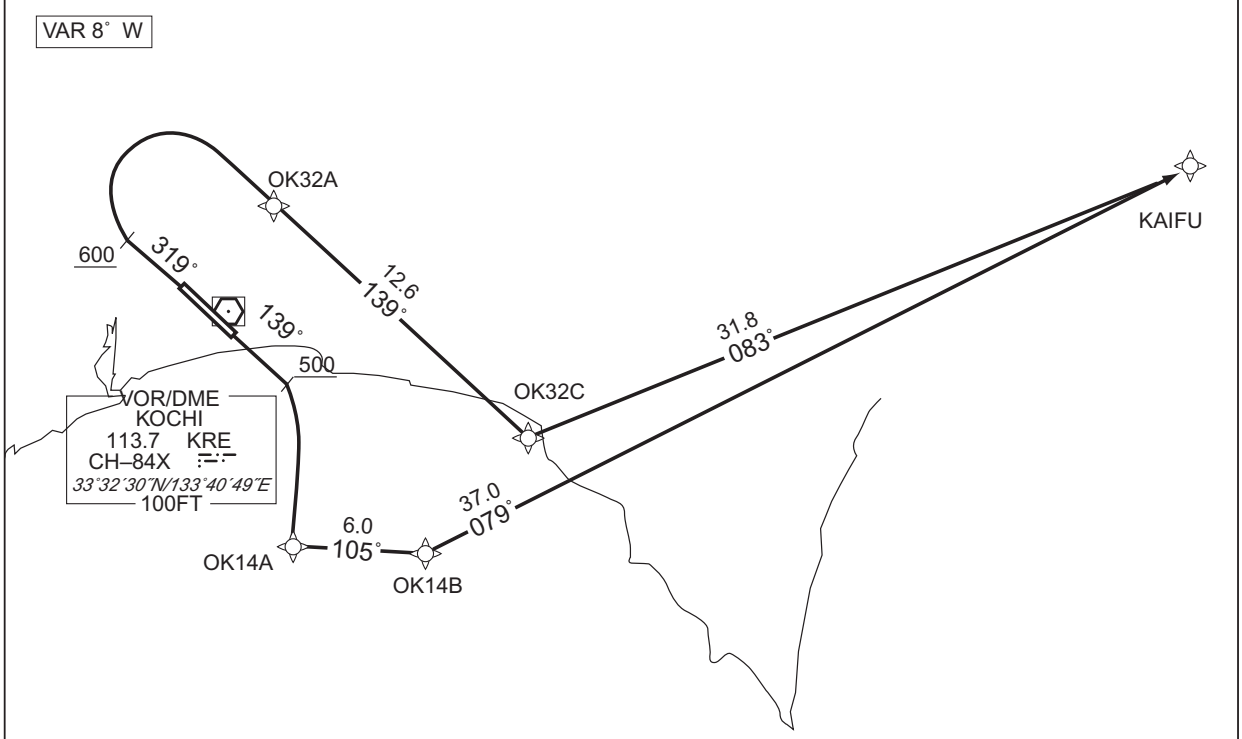


CHANGE : PROC renamed. Note RWY14 added.

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



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

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

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*		

STANDARD DEPARTURE CHART -INSTRUMENT

RJOK / KOCHI — RNAV SID and TRANSITION

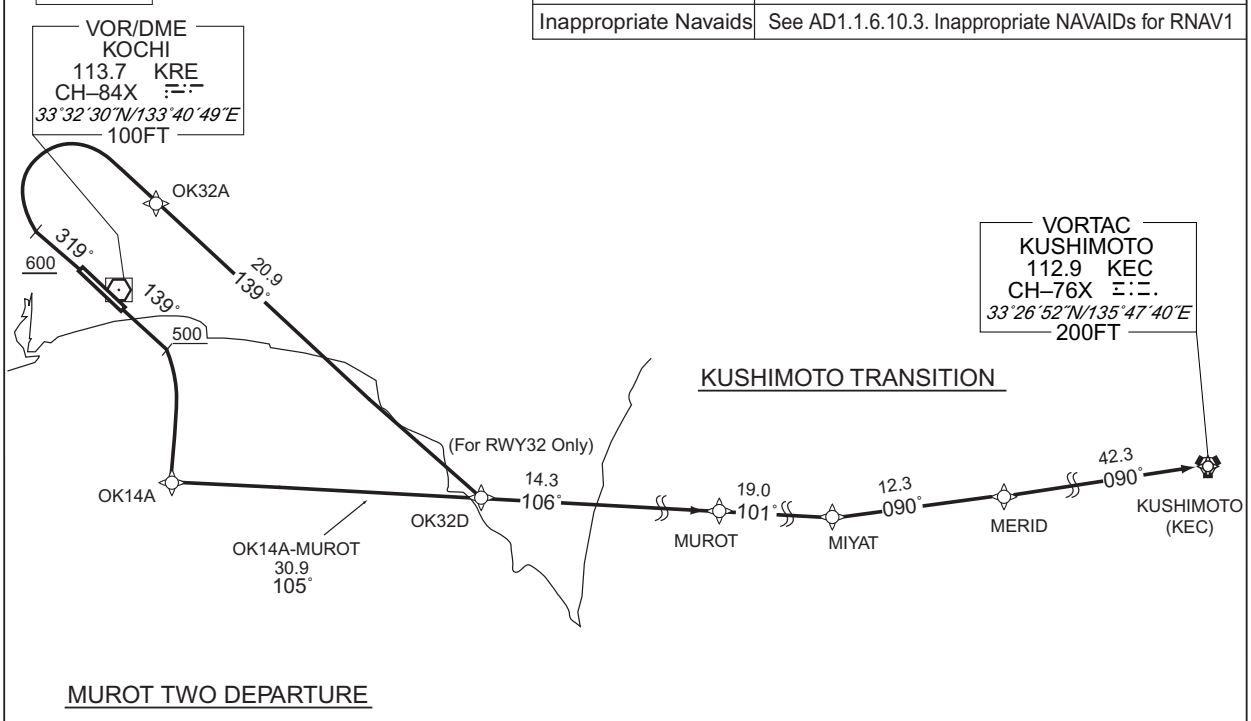
MUROT TWO DEPARTURE / KUSHIMOTO TRANSITION	RNAV 1

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 - 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 Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



MUROT TWO DEPARTURE

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.

KUSHIMOTO TRANSITION

From MUROT, to MIYAT, to MERID, to KEC.

CHANGE : PROC renamed. Critical DME, VAR, Note RWY14 added. PROC course.

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

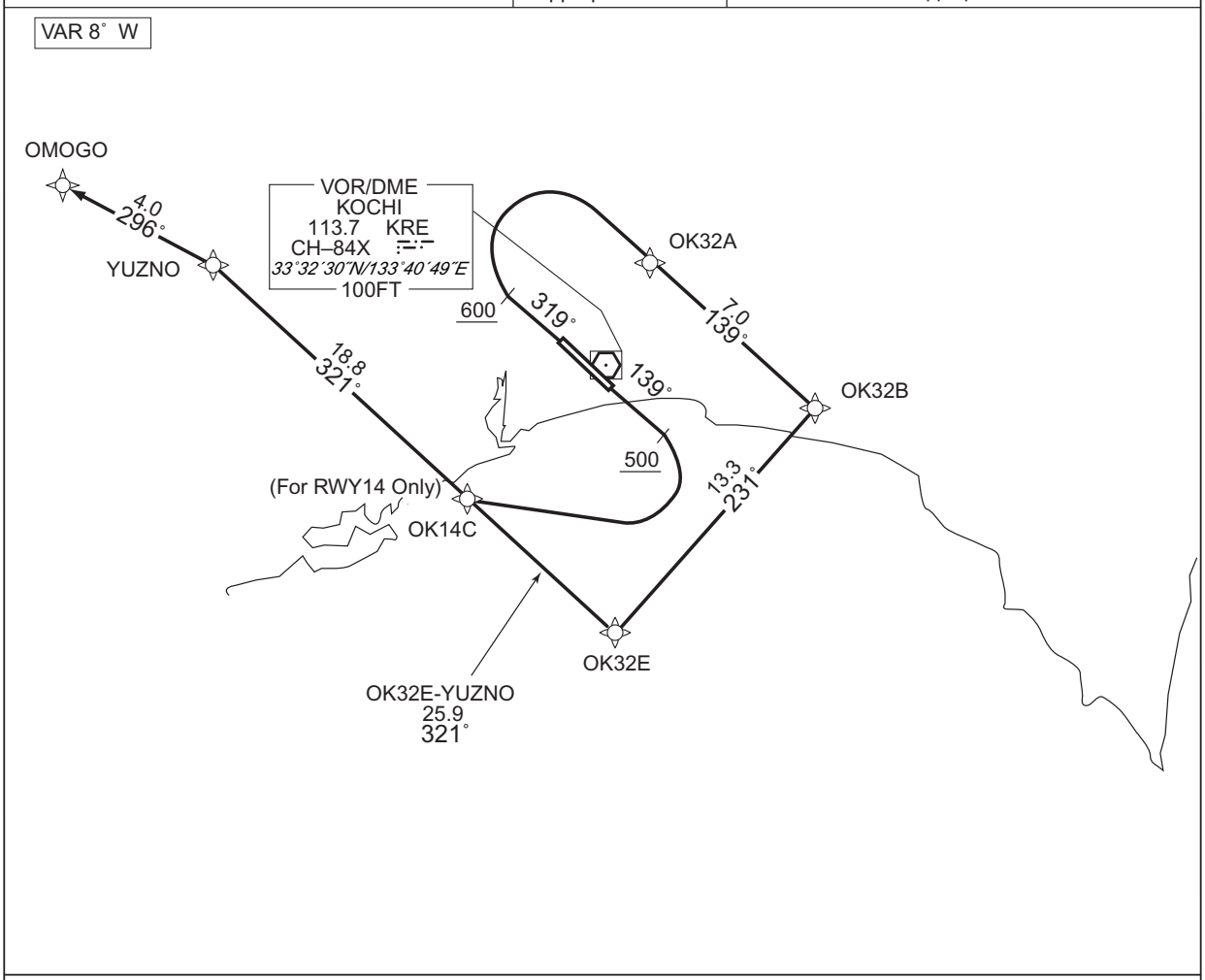
Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
OK14A	*332450.3N / 1334334.2E*	MIYAT	*331934.3N / 1344250.9E*
OK32A	*333615.7N / 1334417.5E*	MERID	*332115.9N / 1345728.1E*
OK32D	*332238.0N / 1340314.9E*	KEC	*332651.9N / 1354740.2E*
MUROT	*332041.6N / 1342010.7E*		

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

STANDARD DEPARTURE CHART -INSTRUMENT

RJOK / KOCHI — RNAV SID

OMOGO THREE 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 16NM to YUZNO - 7NM to YUZNO SUC 16NM to YUZNO - 7NM to YUZNO RWY32 : KRE 4NM to OK32B - 25NM to YUZNO SUC 4NM to OK32B - 25NM to YUZNO
	DME GAP	RWY14 : DER - 16NM to YUZNO RWY32 : DER - 4NM to OK32B 25NM to YUZNO - 18NM to YUZNO
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



RWY14 : Climb on HDG139° at or above 500FT, turn right direct to OK14C, to YUZNO, to OMOGO.

RWY32 : Climb on HDG319° at or above 600FT, turn right direct to OK32A, to OK32B, to OK32E, to YUZNO, to OMOGO.

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

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

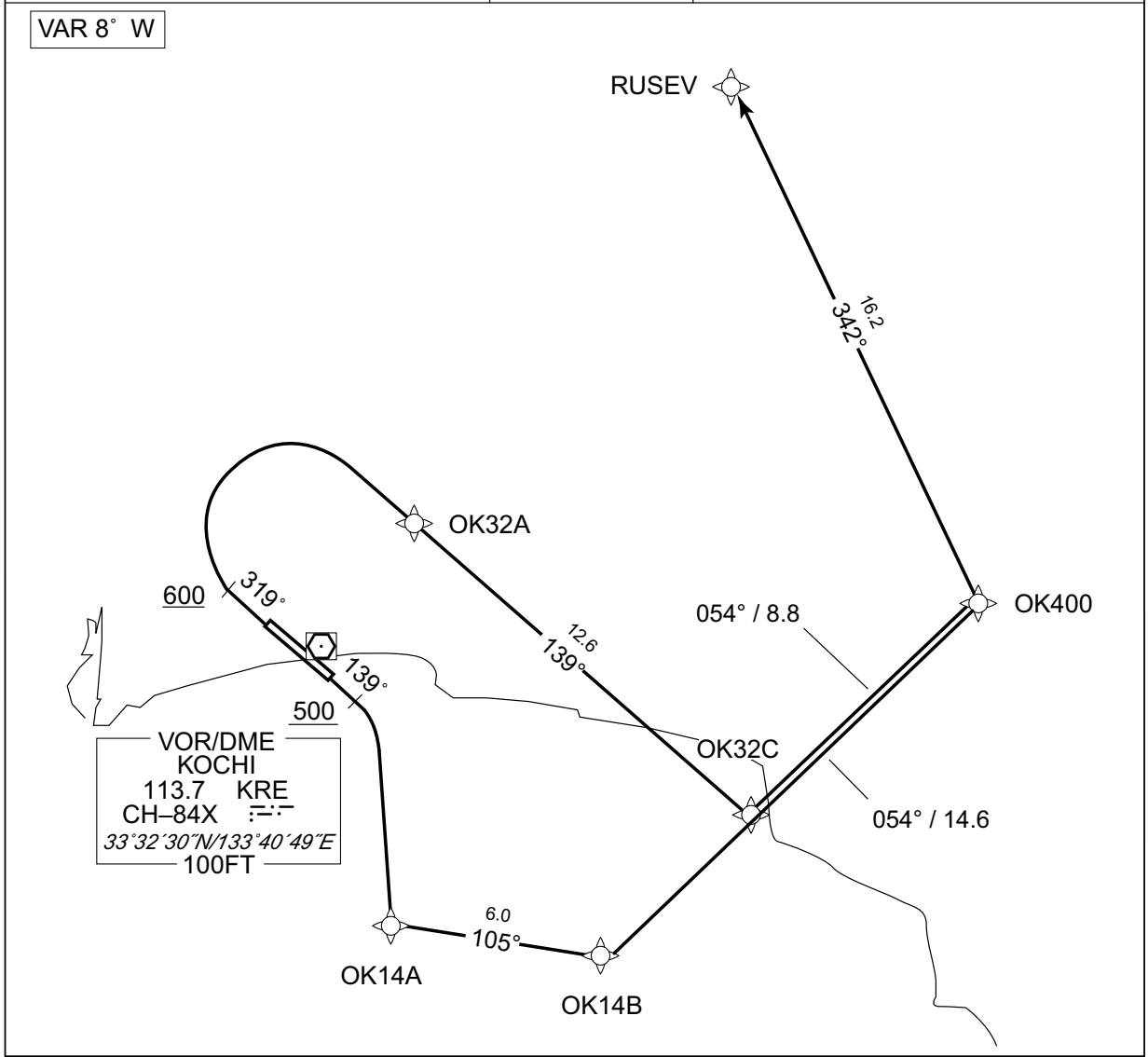
Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
OK14C	*332650.1N / 1333334.8E*	YUZNO	*333934.0N / 1331704.7E*
OK32A	*333615.7N / 1334417.5E*	OMOGO	*334049.7N / 1331233.1E*
OK32B	*333143.9N / 1335036.8E*		
OK32E	*332159.2N / 1333949.8E*		

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



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.

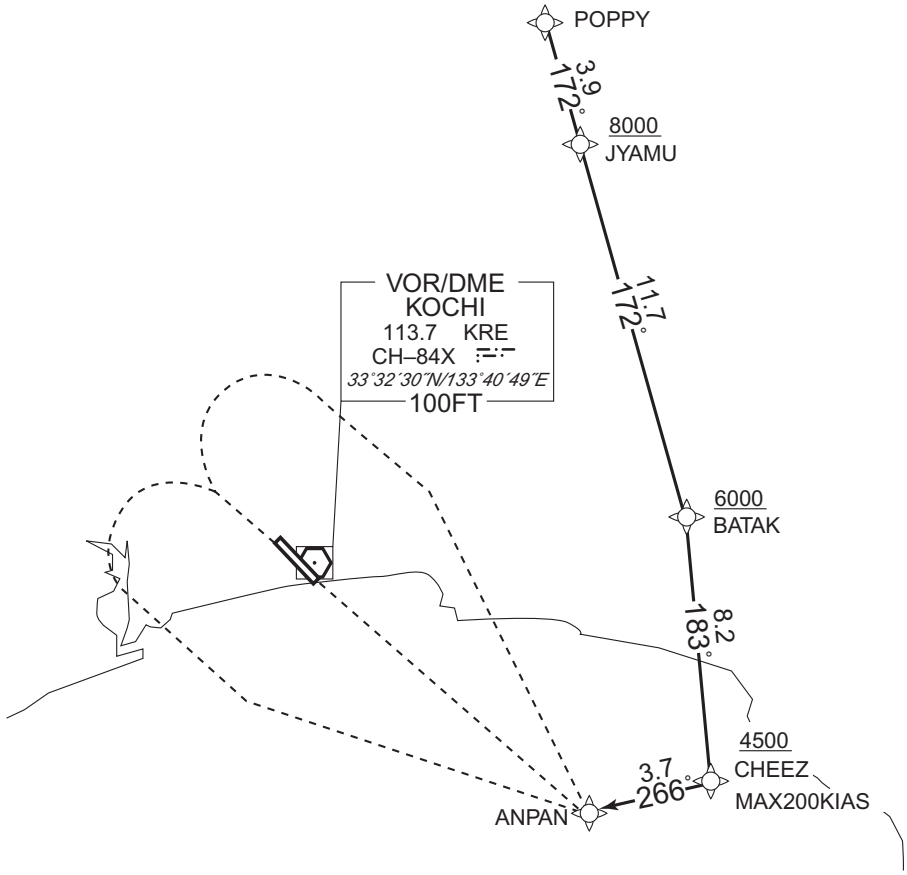
STANDARD ARRIVAL CHART -INSTRUMENT

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	

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

CHANGE : VAR. PROC course.

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*		

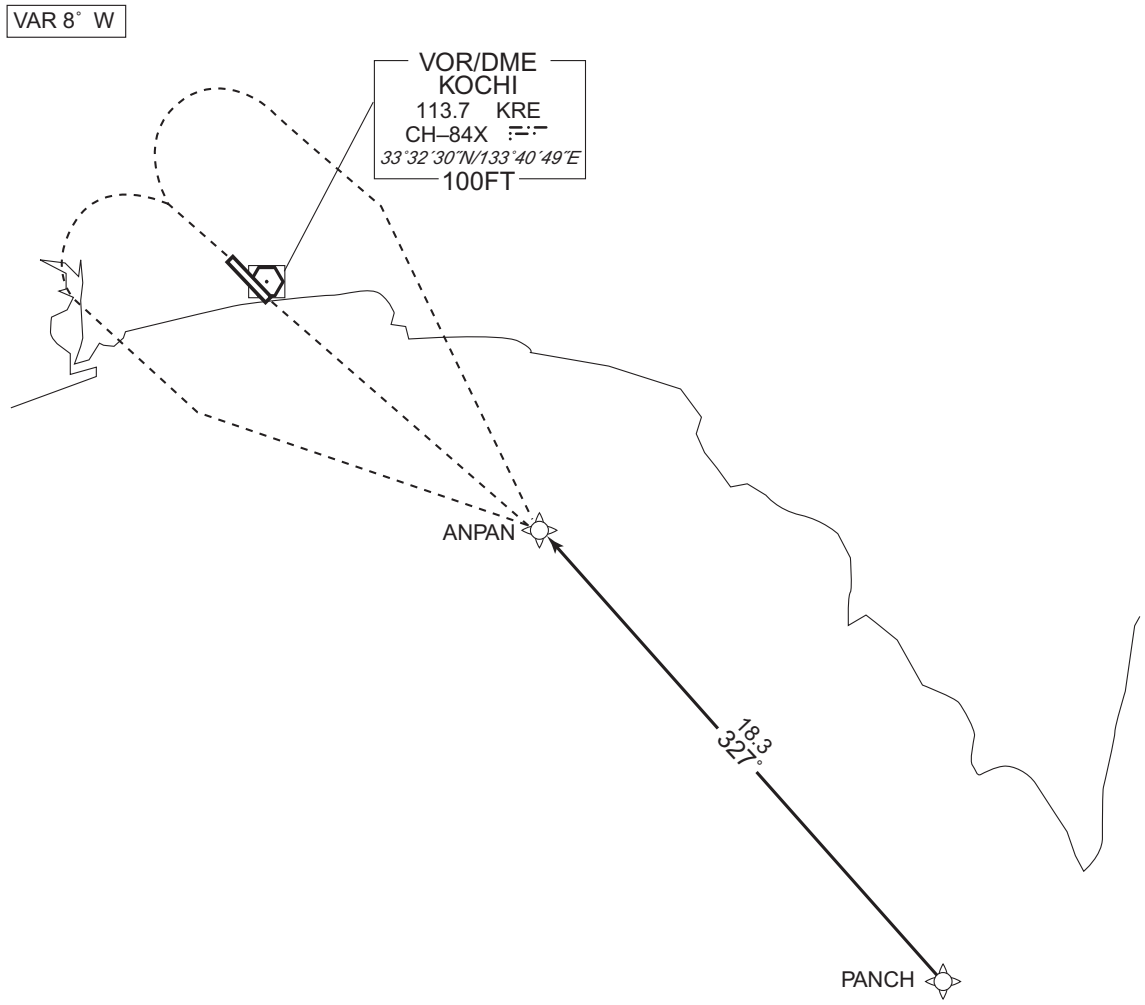
CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART -INSTRUMENT

RJOK / KOCHI — RNAV STAR

YOSAKOI EAST ARRIVAL	RNAV 1

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



From PANCH, to ANPAN.

Critical DME	KRE	PANCH - ANPAN
	SUC	8NM to ANPAN - ANPAN
DME GAP	–	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

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	PANCH	—	—	-7.9	—	—	—	—	—	RNAV1
002	TF	ANPAN	—	327 (318.7)	-7.9	18.3	—	—	—	—	RNAV1

CHANGE : VAR. PROC course.

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.

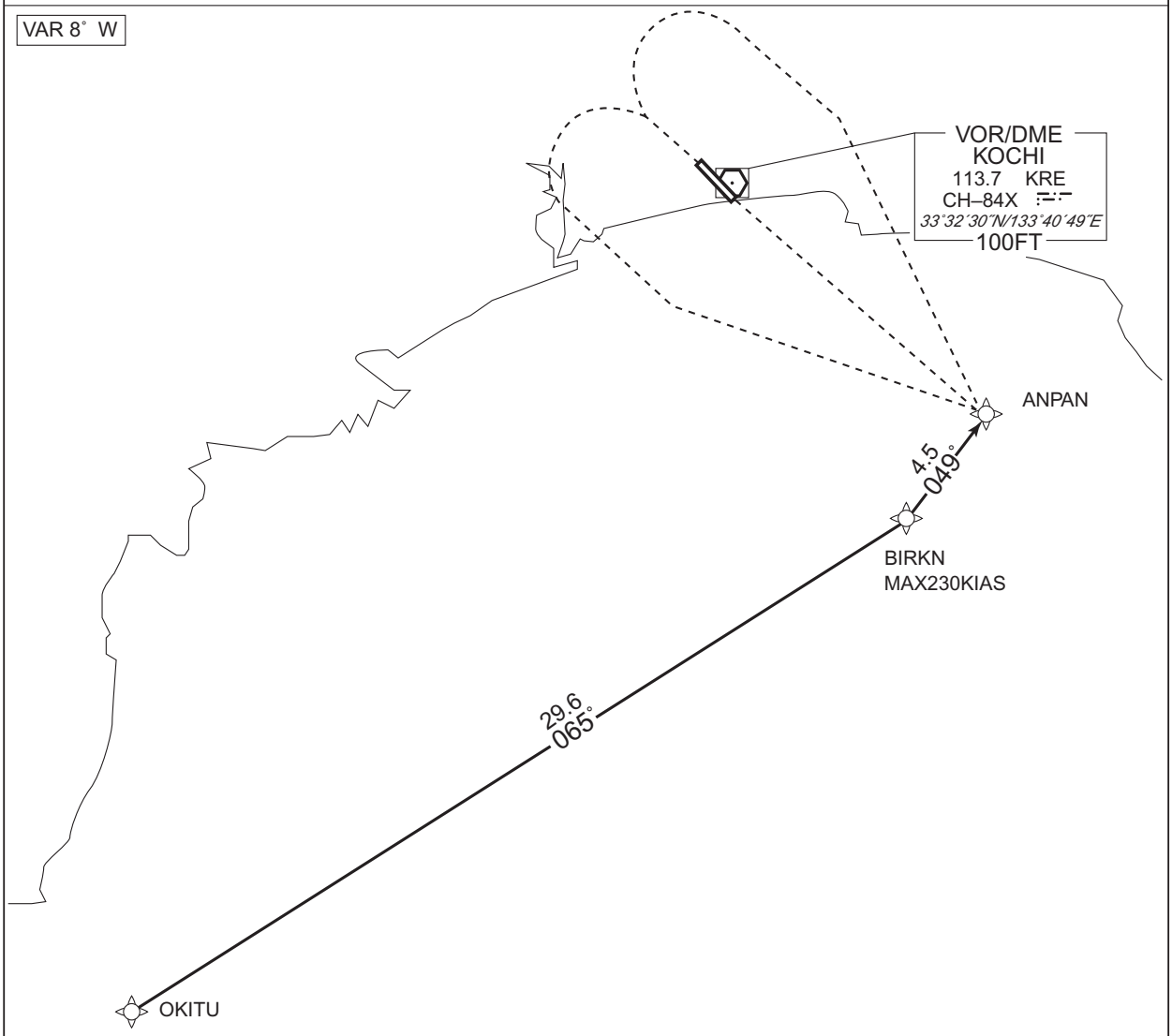
STANDARD ARRIVAL CHART -INSTRUMENT

RJOK / KOCHI

RNAV STAR

YOSAKOI SOUTH ARRIVAL	RNAV 1

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



From OKITU, to BIRKN, to ANPAN.

Critical DME	SUC	12NM to BIRKN - ANPAN
	KRE	12NM to BIRKN - ANPAN
DME GAP	OKITU - 12NM to BIRKN	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

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	OKITU	—	—	-7.9	—	—	—	—	—	RNAV1
002	TF	BIRKN	—	065 (057.3)	-7.9	29.6	—	—	-230	—	RNAV1
003	TF	ANPAN	—	049 (040.6)	-7.9	4.5	—	—	—	—	RNAV1

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*		

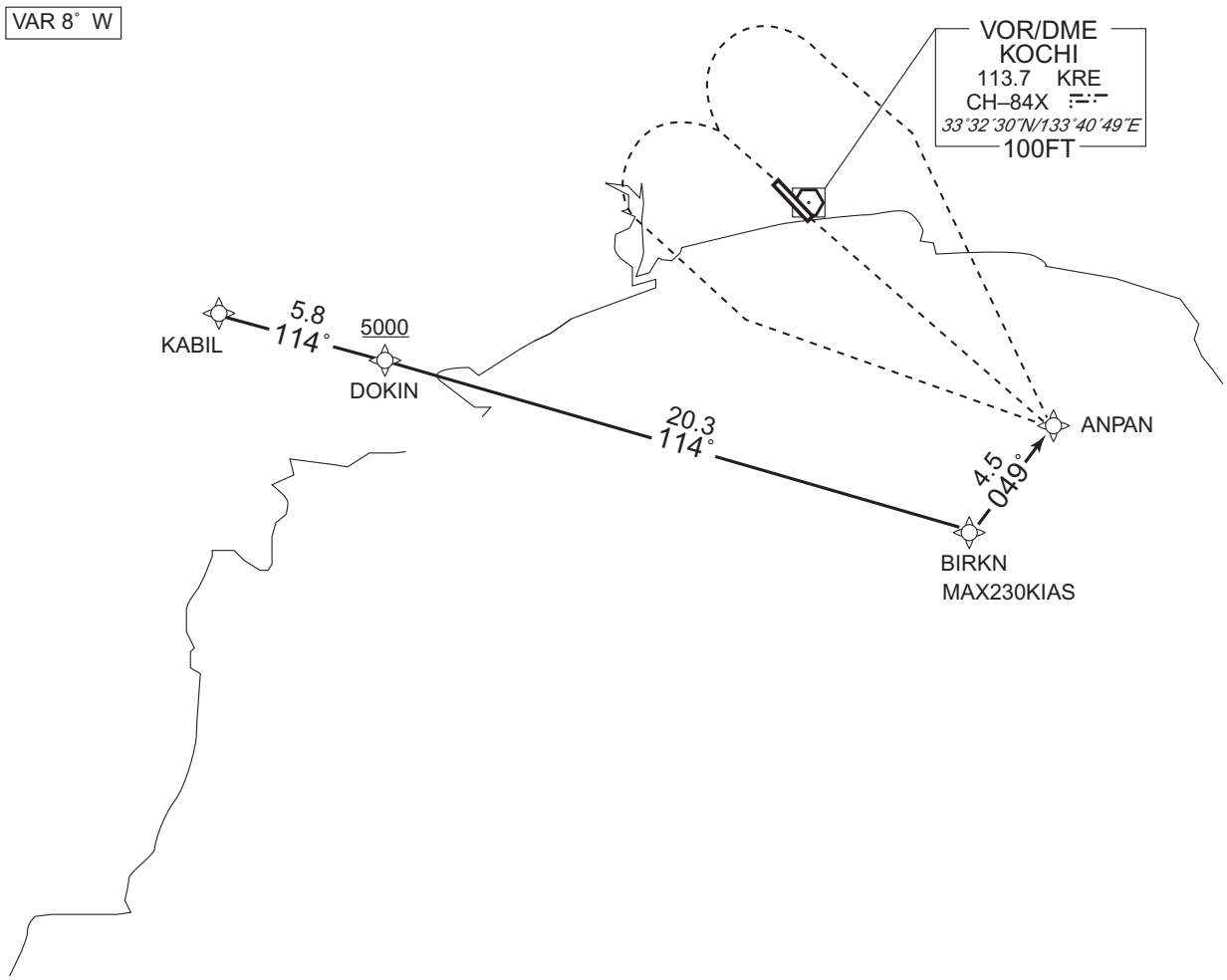
CHANGE : Waypoint Coordinates added.

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.



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	

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

CHANGE : PROC course. VAR.

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*

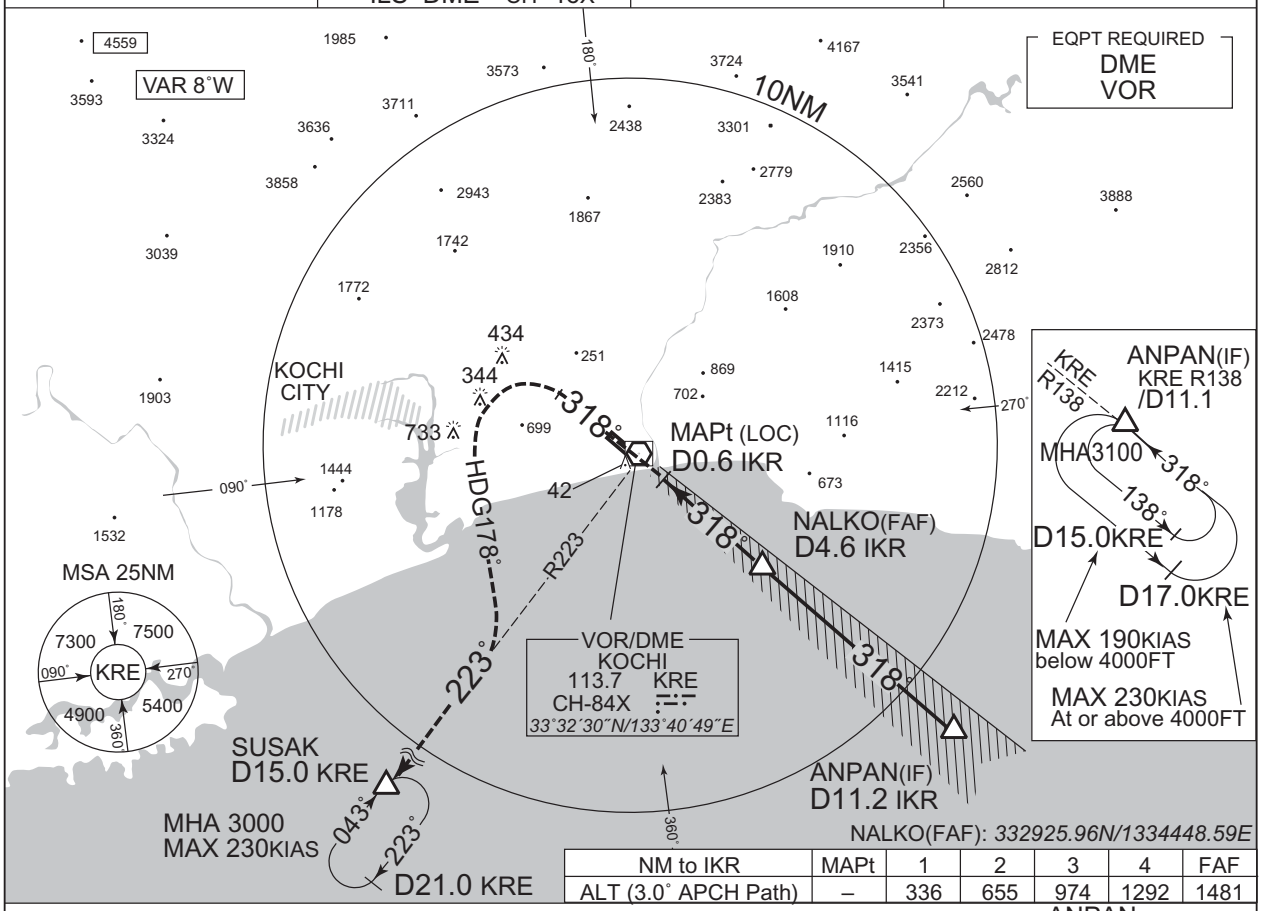
CHANGE : Waypoint Coordinates added.

INSTRUMENT APPROACH CHART

RJOK / KOCHI

ILS Z or LOC Z RWY32

KANSAI APP	ILS - LOC	KOCHI TOWER	RADAR AVBL
125.0 – 124.8	110.9 IKR ILS–GP 330.8 ILS–DME CH–46X	118.75 – 126.2	ATIS 126.45

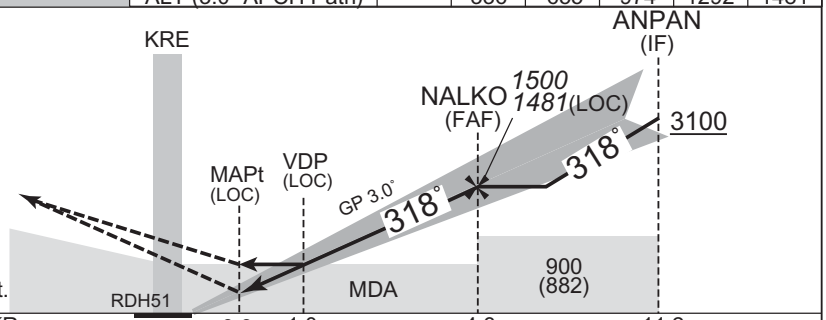


NM to IKR	MAPt	1	2	3	4	FAF
ALT (3.0˚ APCH Path)	–	336	655	974	1292	1481

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	11.2
NM to THR	0	0.4	0.8	4.4	11.0

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.

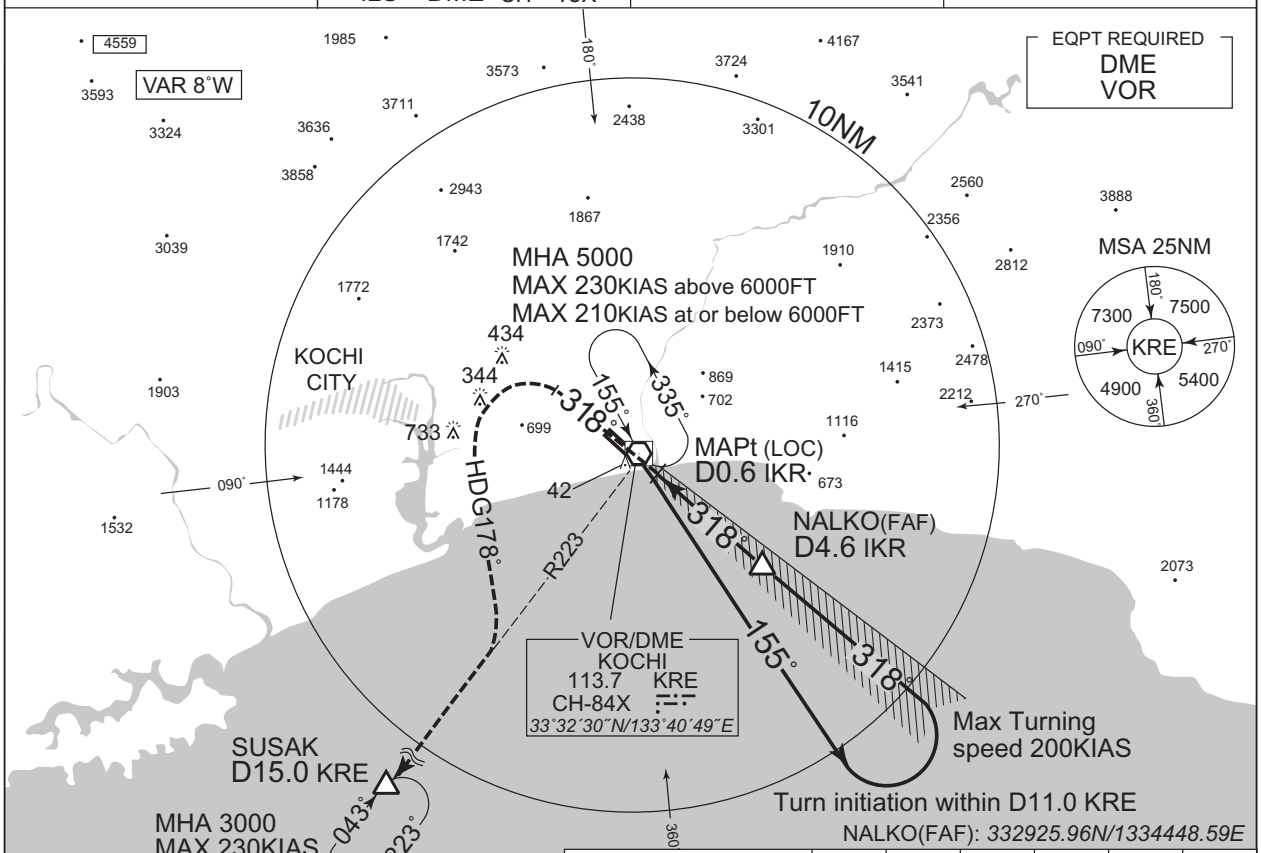
CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJOK / KOCHI

ILS Y or LOC Y RWY32

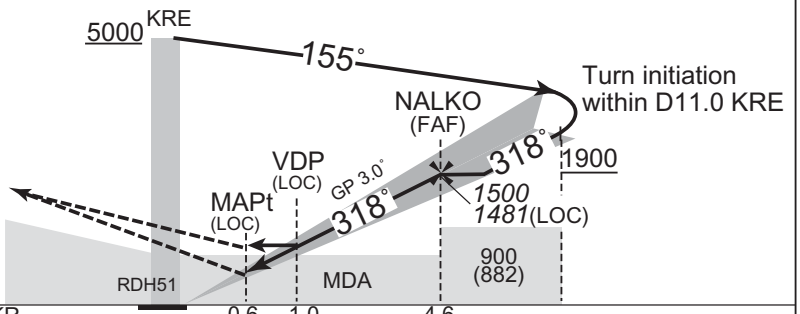
KANSAI APP	ILS - LOC	KOCHI TOWER	RADAR AVBL
125.0 – 124.8	110.9 IKR ILS – GP 330.8 ILS – DME CH– 46X	118.75 – 126.2	ATIS 126.45



NM to IKR	MAPt	1	2	3	4	FAF
ALT (3.0˚ APCH Path)	–	336	655	974	1292	1481

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

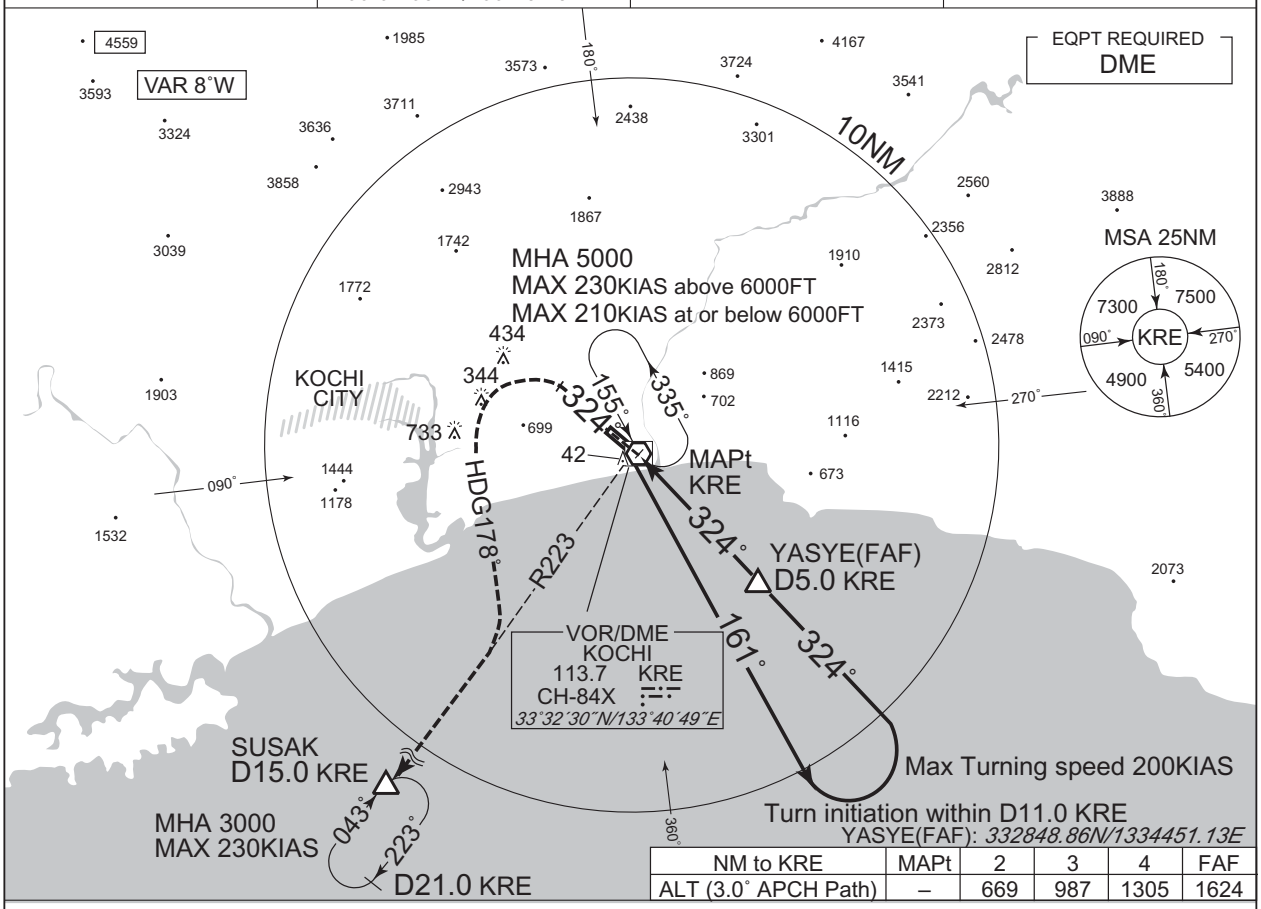
Circling to EAST side of RWY only.
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJOK / KOCHI — VOR RWY32

KANSAI APP	KOCHI VOR/DME 113.7 KRE CH–84X 33˚32´30˝N/133˚40´49˝E	KOCHI TOWER	RADAR AVBL
125.0 – 124.8		118.75 – 126.2	ATIS 126.45

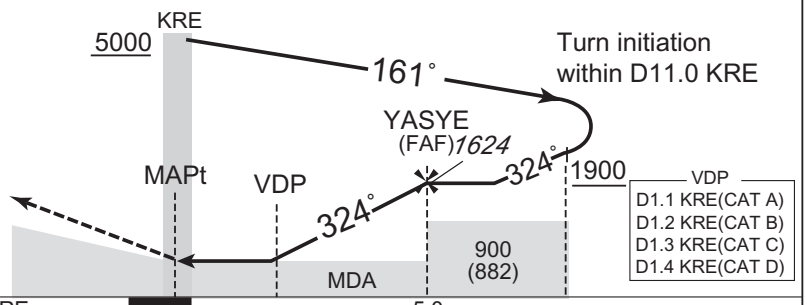


NM to KRE	MAPt	2	3	4	FAF
ALT (3.0˚ APCH Path)	–	669	987	1305	1624

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	0	5.0
NM to THR	0	4.9

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.

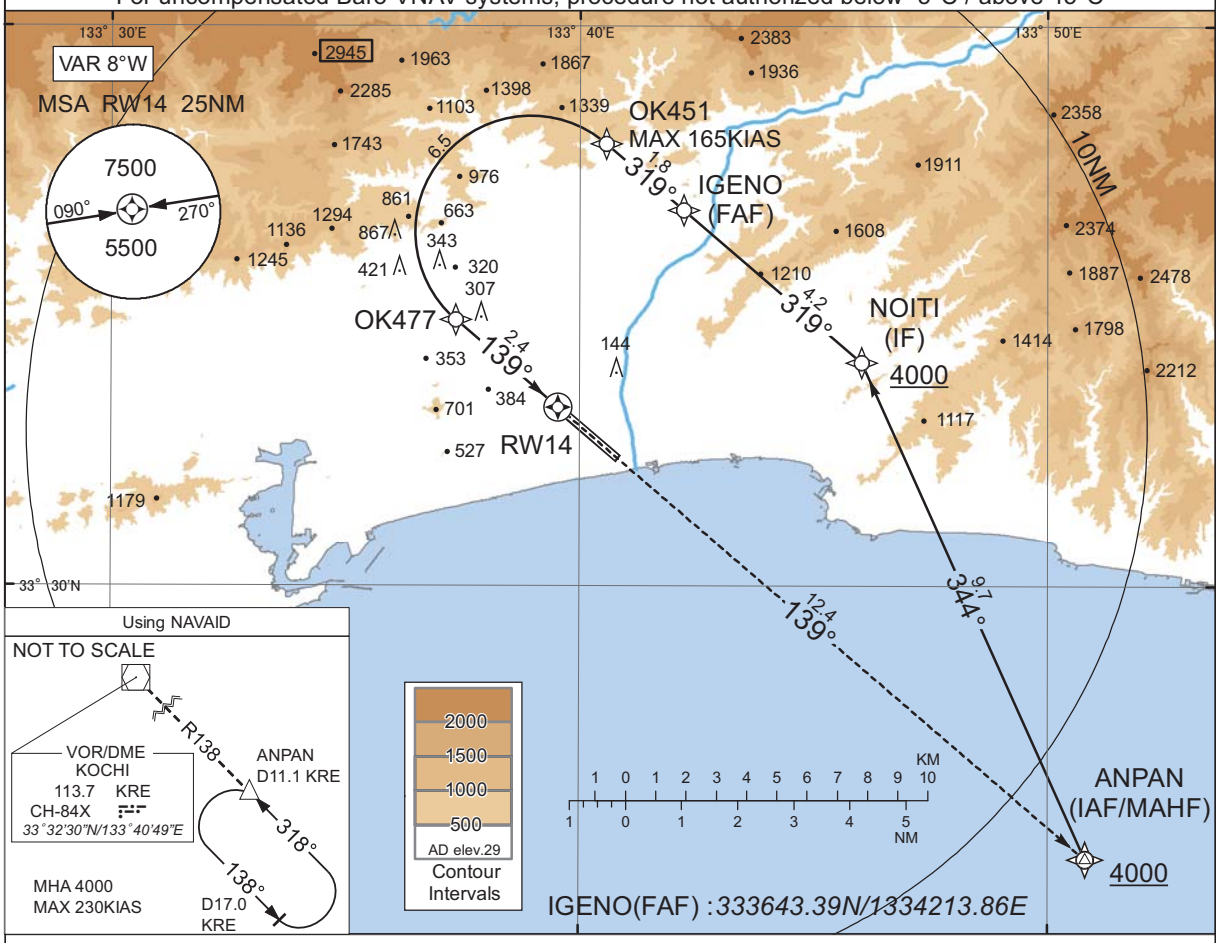
INSTRUMENT APPROACH CHART

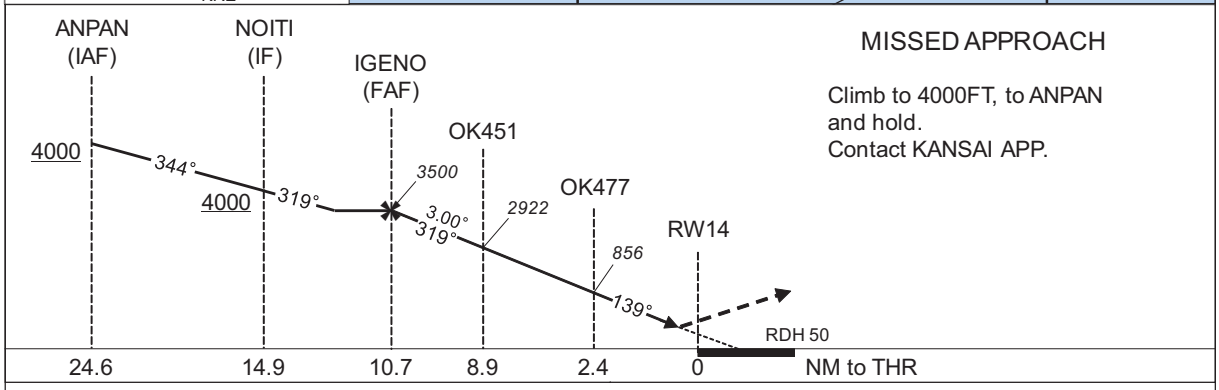
RJOK / KOCHI

RNP Z RWY14(AR)

KANSAI APP	RNP AR	KOCHI TOWER	RADAR AVBL
125.0 - 124.8	RF required.	118.75 - 126.2	ATIS 126.45

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





MISSED APPROACH

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.

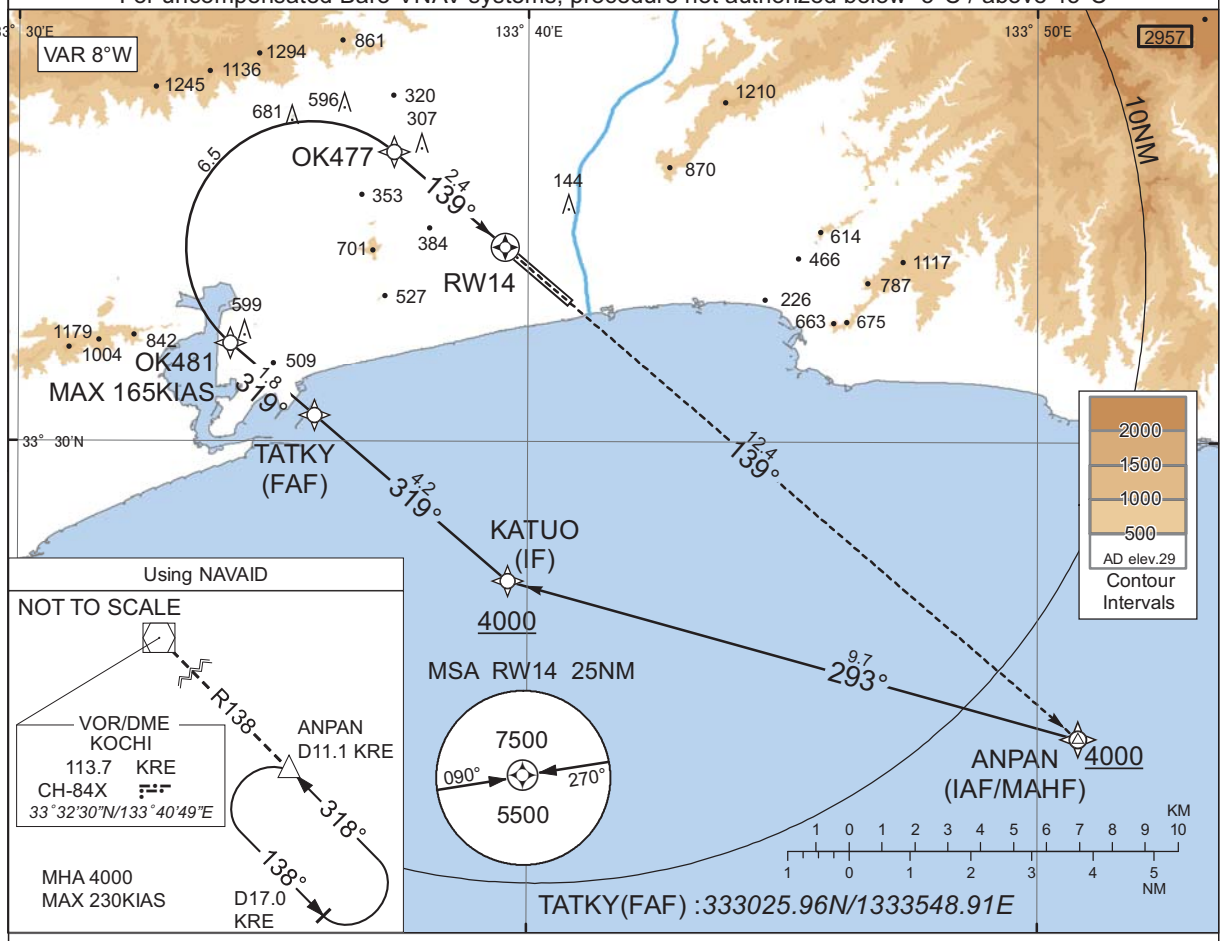
INSTRUMENT APPROACH CHART

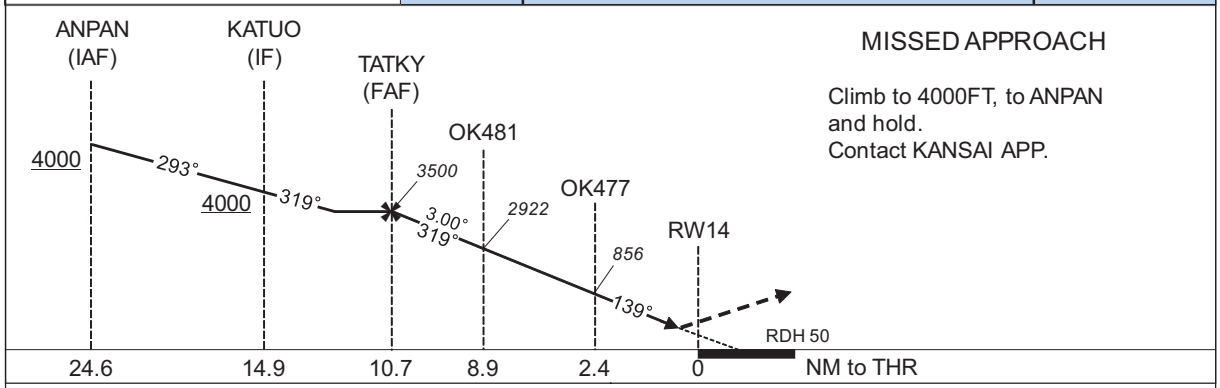
RJOK / KOCHI

RNP Y RWY14(AR)

KANSAI APP	RNP AR	KOCHI TOWER	RADAR AVBL
125.0 - 124.8	RF required.	118.75 - 126.2	ATIS 126.45

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





MISSED APPROACH

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 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

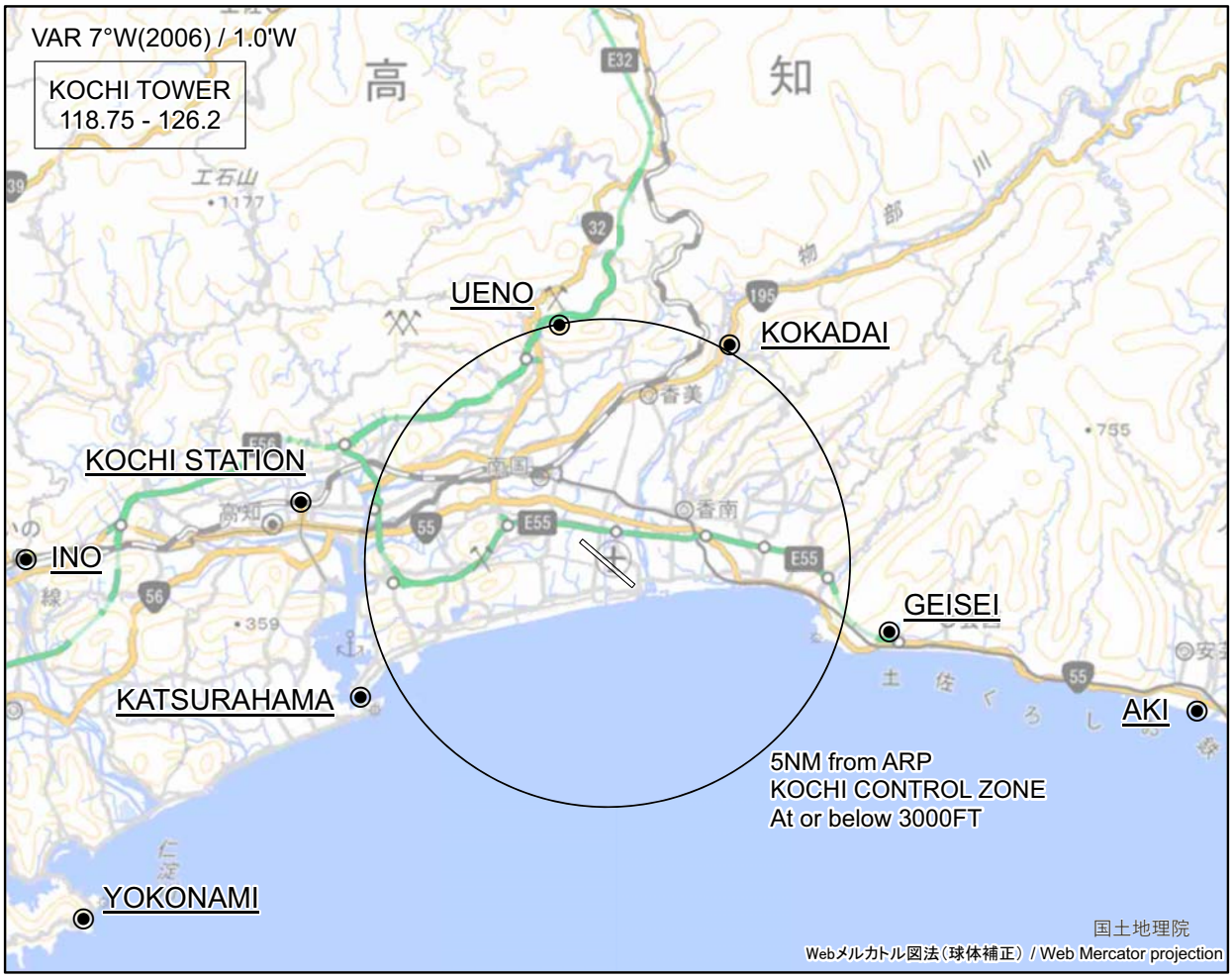
Waypoint Coordinates

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



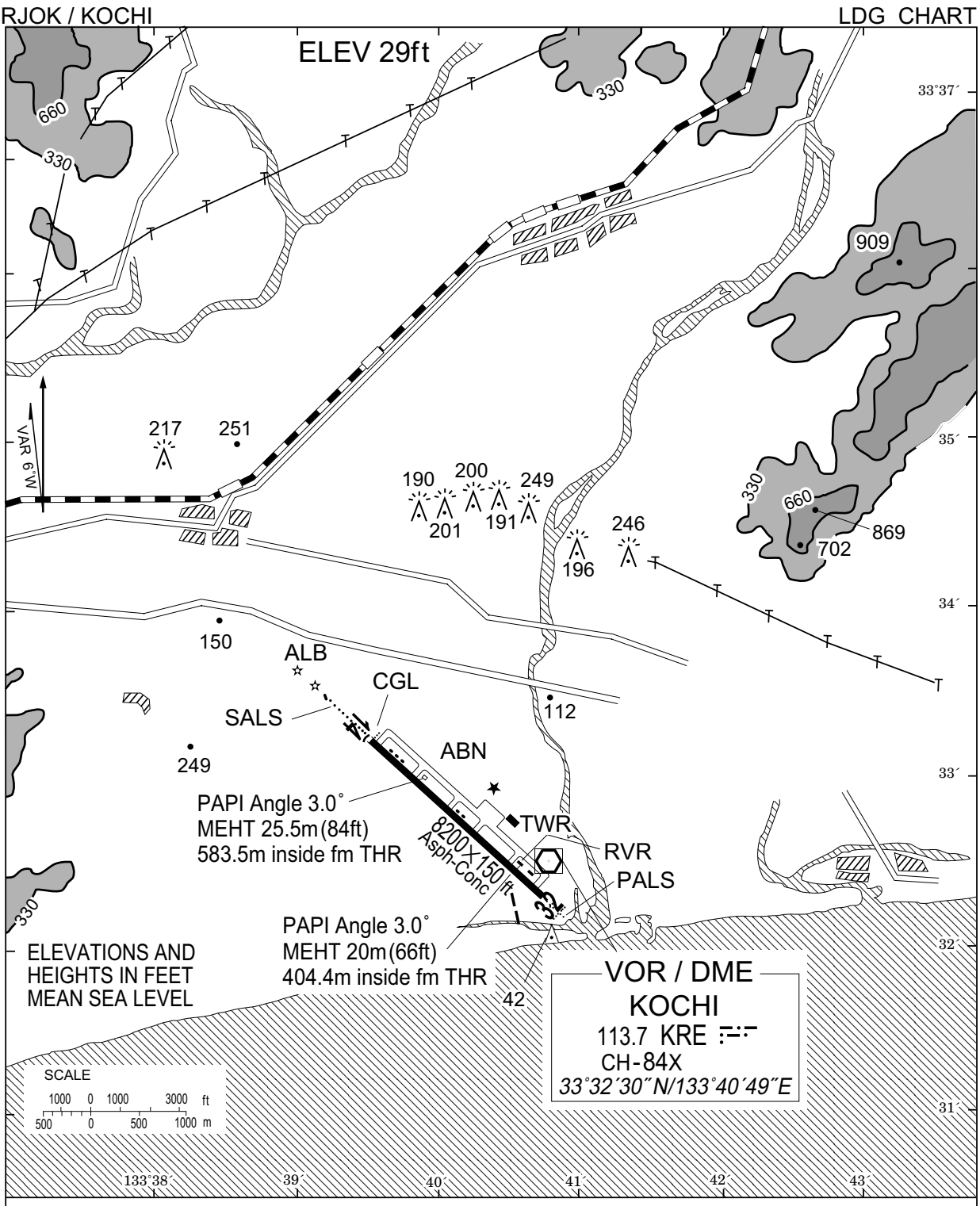
※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

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
伊野 Ino	270°T / 10.2NM	JR伊野駅 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

CHANGE : Call sign(Ino), Note established.

注：有視界飛行方式により高知空港に着陸しようとする航空機又は高知航空交通管制圏を通過しようとする航空機は、競合する航空機の交通情報の提供を早期に受けるため、特に北西～北東方向から進入する場合、飛行場標点から10NM以遠で、高知タワーと通信設定することが推奨される。

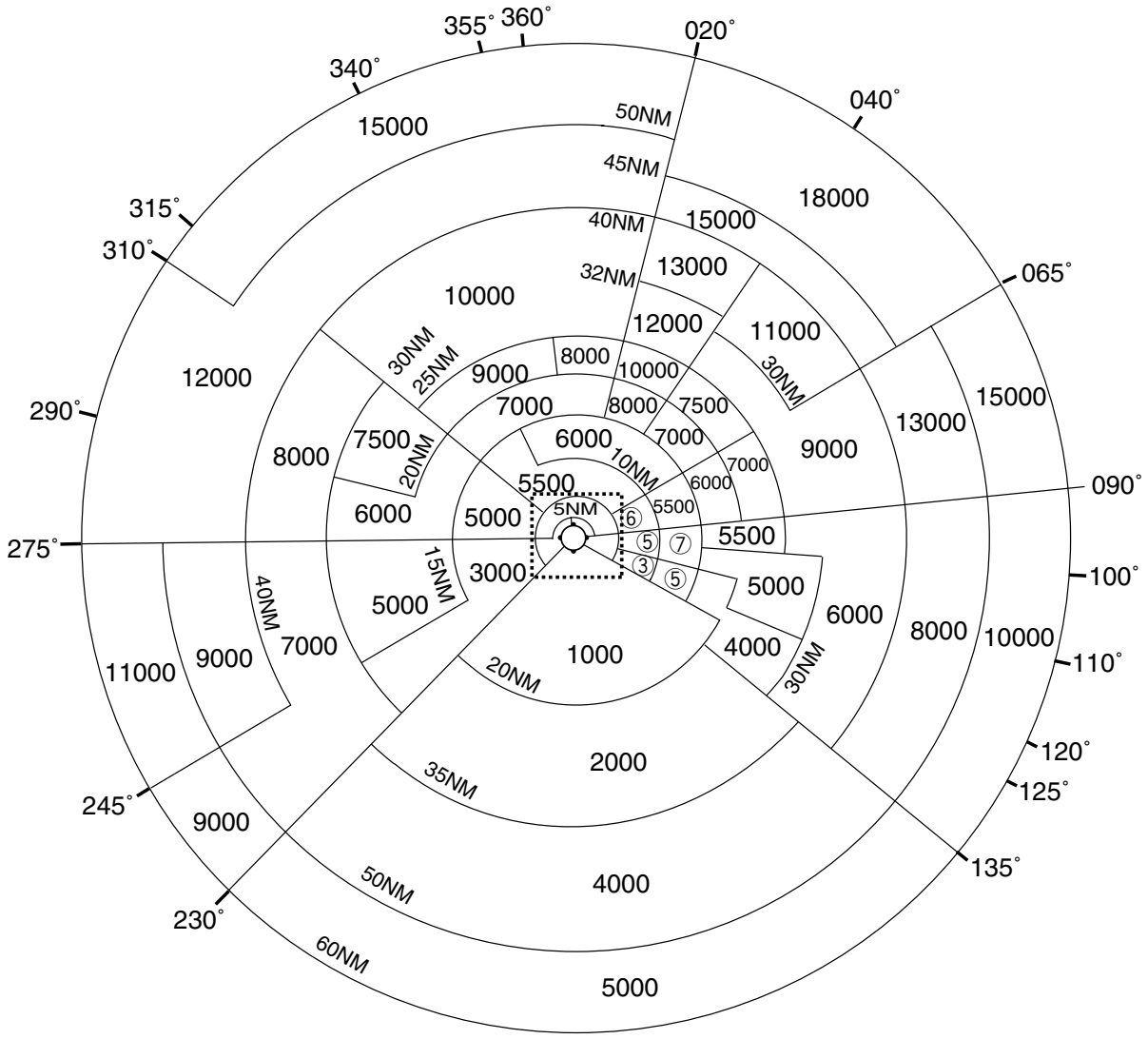
NOTE: When VFR flight is going to enter the control zone for landing or passing through, the pilot is recommended to contact the control tower before passing 10NM from ARP especially in case of coming from northwest to northeast in order to be provided related traffic information as soon as possible.


RJOK / KOCHI
LDG CHART
ELEV 29ft
660
330
330
909
33°37´
35´
34´
33´
32´
31´
VAR 6°W
217
251
190
200
249
201
191
196
246
330
660
869
702
150
ALB
CGL
SALS
112
249
ABN
PAPI Angle 3.0°
MEHT 25.5m(84ft)
583.5m inside fm THR
TWR
RVR
PALS
8200×150ft
Asph-Conc
32
PAPI Angle 3.0°
MEHT 20m(66ft)
404.4m inside fm THR
42
330
ELEVATIONS AND
HEIGHTS IN FEET
MEAN SEA LEVEL
VOR / DME
KOCHI
113.7 KRE
CH-84X
33°32´30˝N/133°40´49˝E
SCALE
1000 0 1000 3000 ft
500 0 500 1000 m
133°38´
39´
40´
41´
42´
43´

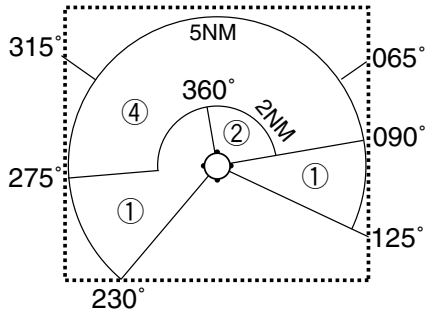
RJOK / KOCHI

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)