

## AD CHART

[illegible]

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.

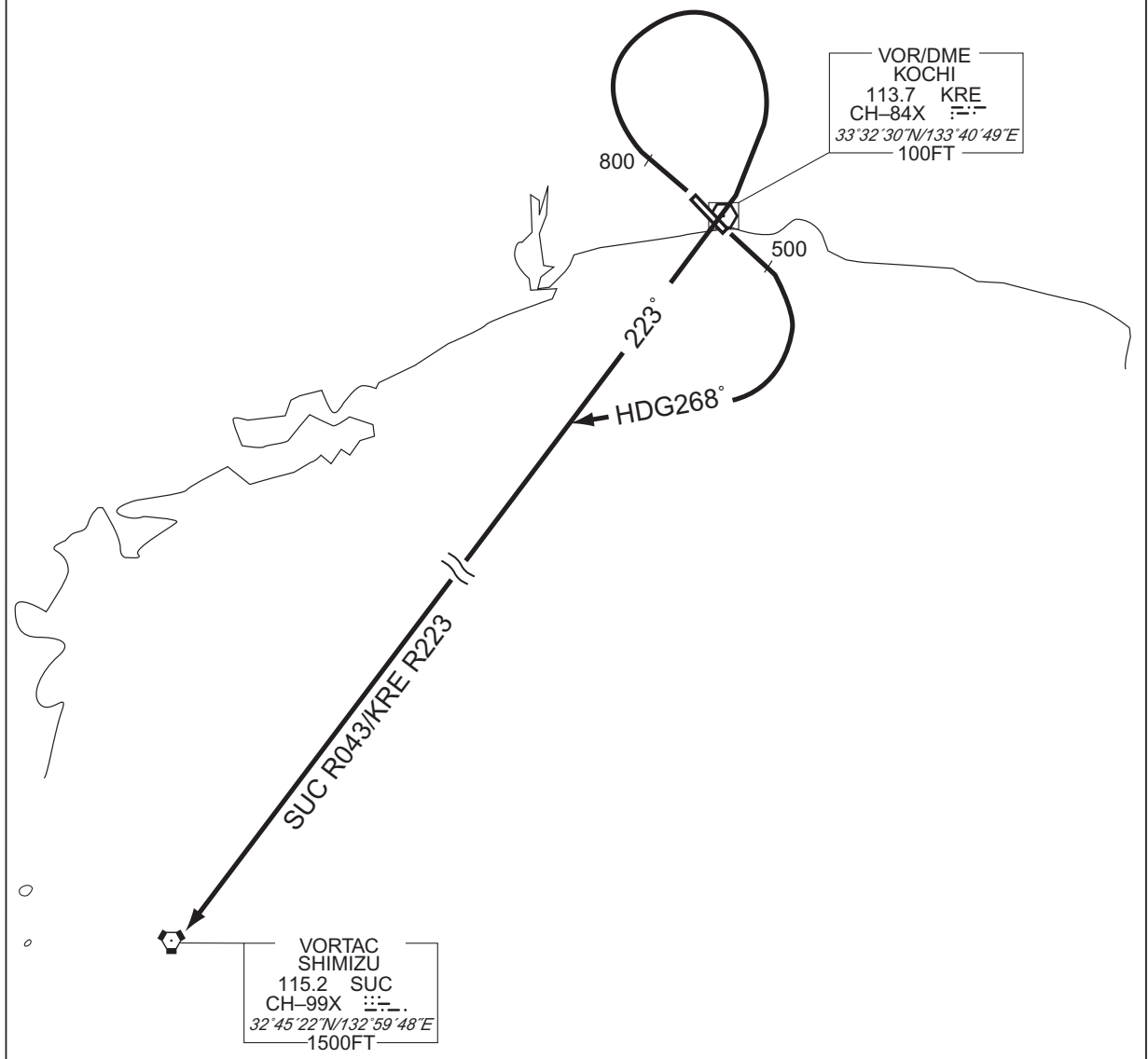
Note RWY14 : 5.0% climb gradient required up to 500FT.

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.

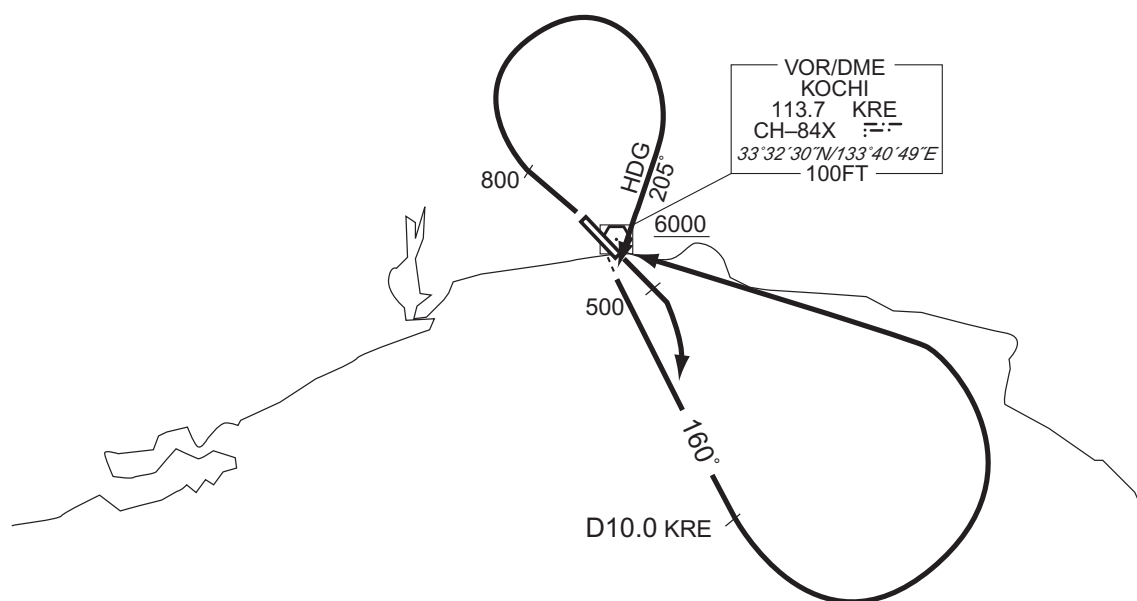
Cross KRE VOR/DME at or above 6000FT.

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.

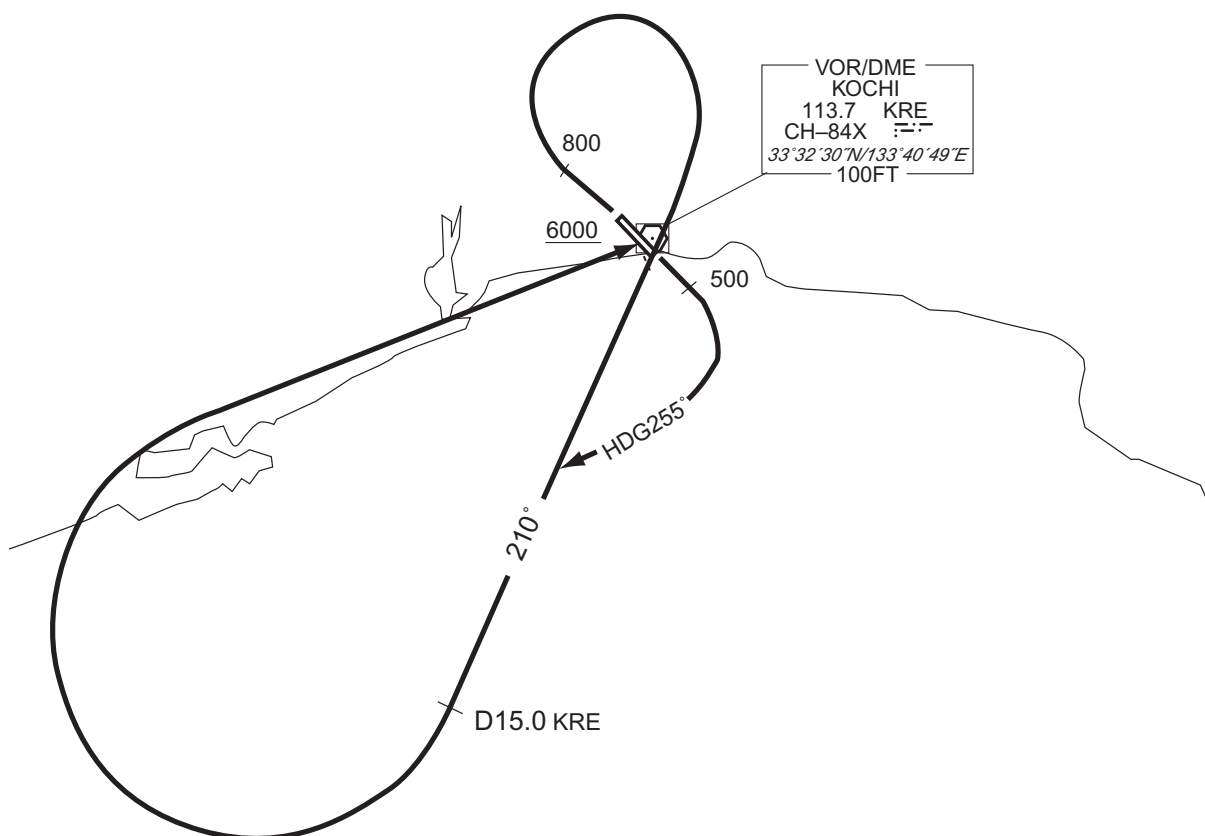
Note RWY14 : 5.0% climb gradient required up to 500FT.

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

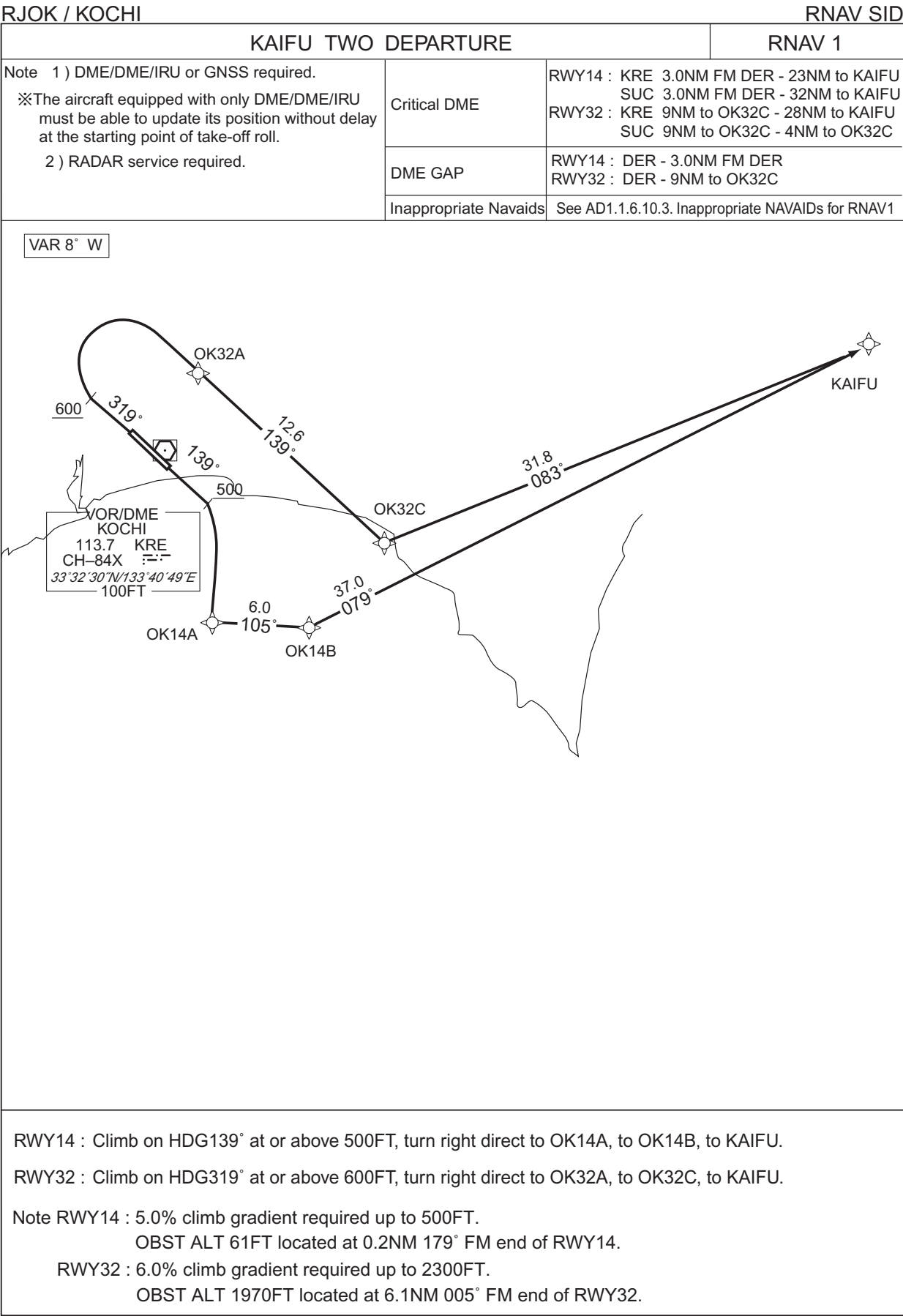
RWY32 : 6.0% climb gradient required up to 2500FT.

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

CHANGE : PROC renamed. Note RWY14 added.



STANDARD DEPARTURE CHART -INSTRUMENT



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.

RJOK / KOCHI

## RNAV SID and TRANSITION

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.

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<br>(130.6) | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | OK14A               | —        | —              | -7.9               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | MUROT               | —        | 105<br>(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<br>(310.6) | -7.9               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF              | OK32A               | —        | —              | -7.9               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | OK32D               | —        | 139<br>(130.7) | -7.9               | 20.9          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | MUROT               | —        | 106<br>(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<br>(093.3) | -7.9               | 19.0          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | MERID               | —        | 090<br>(082.0) | -7.9               | 12.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | KEC                 | —        | 090<br>(082.2) | -7.9               | 42.3          | —              | —             | —            | —              | RNAV1                    |

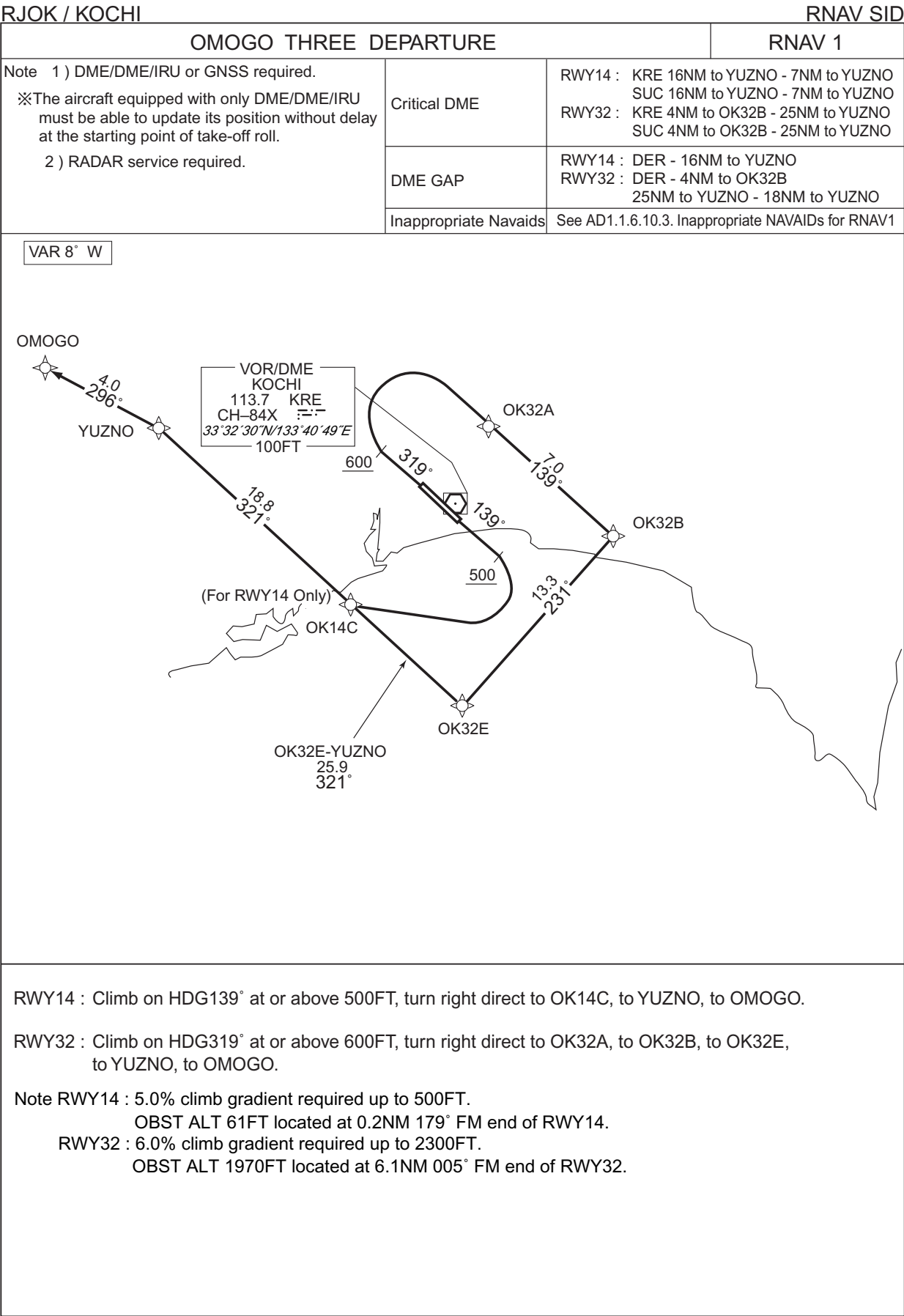
Waypoint Coordinates

| 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<br>(130.6) | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | OK14C               | —        | —              | -7.9               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | YUZNO               | —        | 321<br>(312.9) | -7.9               | 18.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | OMOGO               | —        | 296<br>(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<br>(310.6) | -7.9               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF              | OK32A               | —        | —              | -7.9               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | OK32B               | —        | 139<br>(130.7) | -7.9               | 7.0           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | OK32E               | —        | 231<br>(222.8) | -7.9               | 13.3          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | YUZNO               | —        | 321<br>(312.9) | -7.9               | 25.9          | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | OMOGO               | —        | 296<br>(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

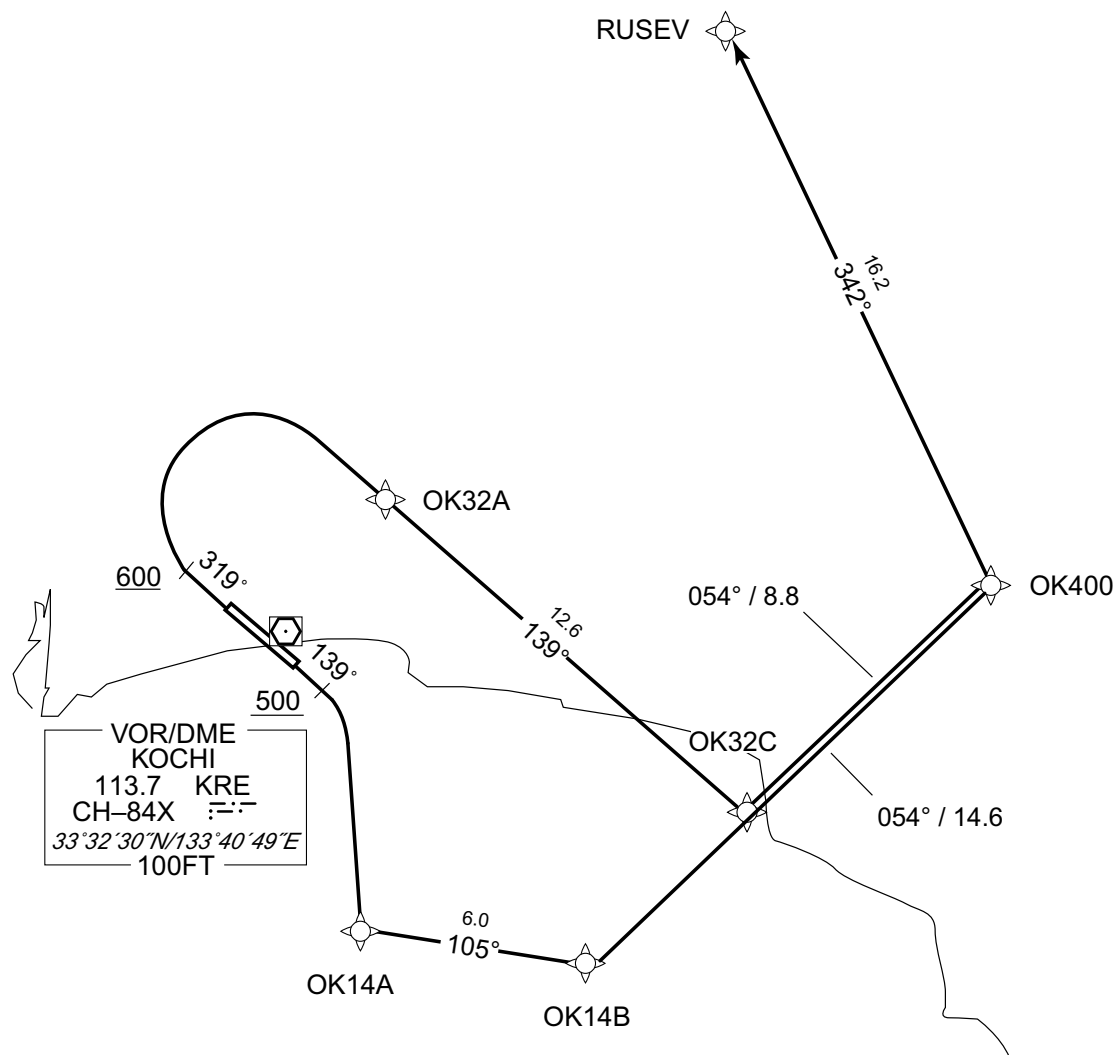
DME GAP

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<br>(130.6) | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | OK14A               | —        | —              | -7.9               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | OK14B               | —        | 105<br>(097.5) | -7.9               | 6.0           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | OK400               | —        | 054<br>(046.3) | -7.9               | 14.6          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | RUSEV               | —        | 342<br>(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<br>(310.6) | -7.9               | —             | —              | +600          | —            | —              | RNAV1                    |
| 002           | DF              | OK32A               | —        | —              | -7.9               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | OK32C               | —        | 139<br>(130.7) | -7.9               | 12.6          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | OK400               | —        | 054<br>(046.3) | -7.9               | 8.8           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | RUSEV               | —        | 342<br>(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

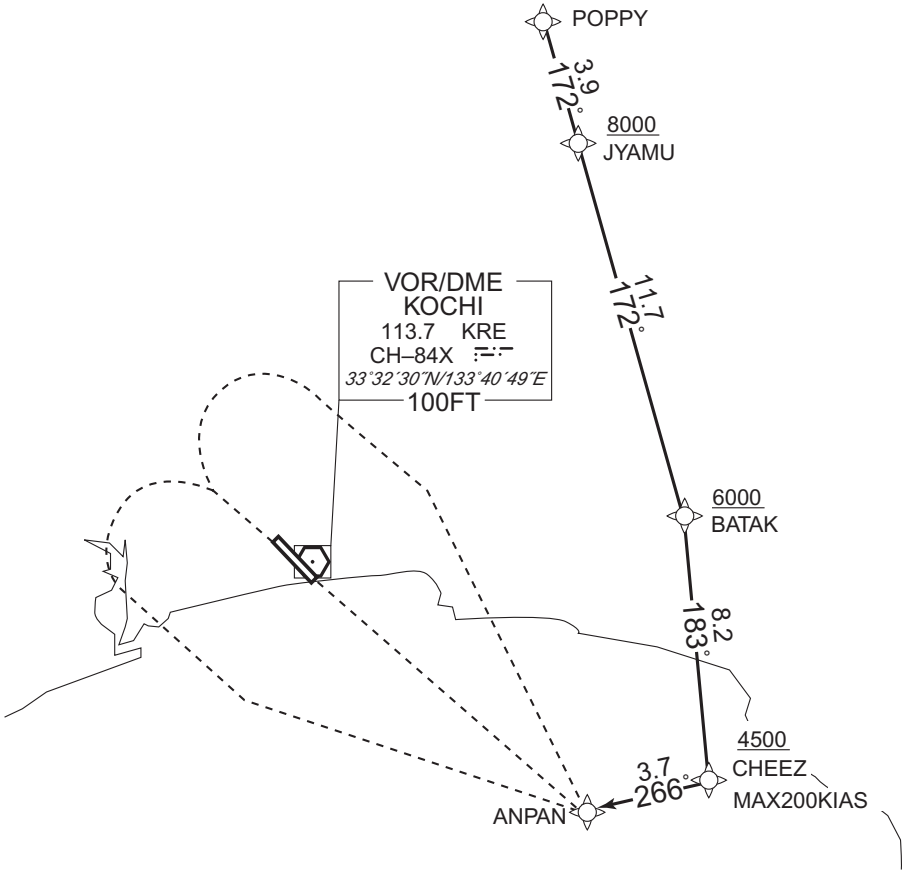
RNAV STAR

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

RJOK / KOCHI

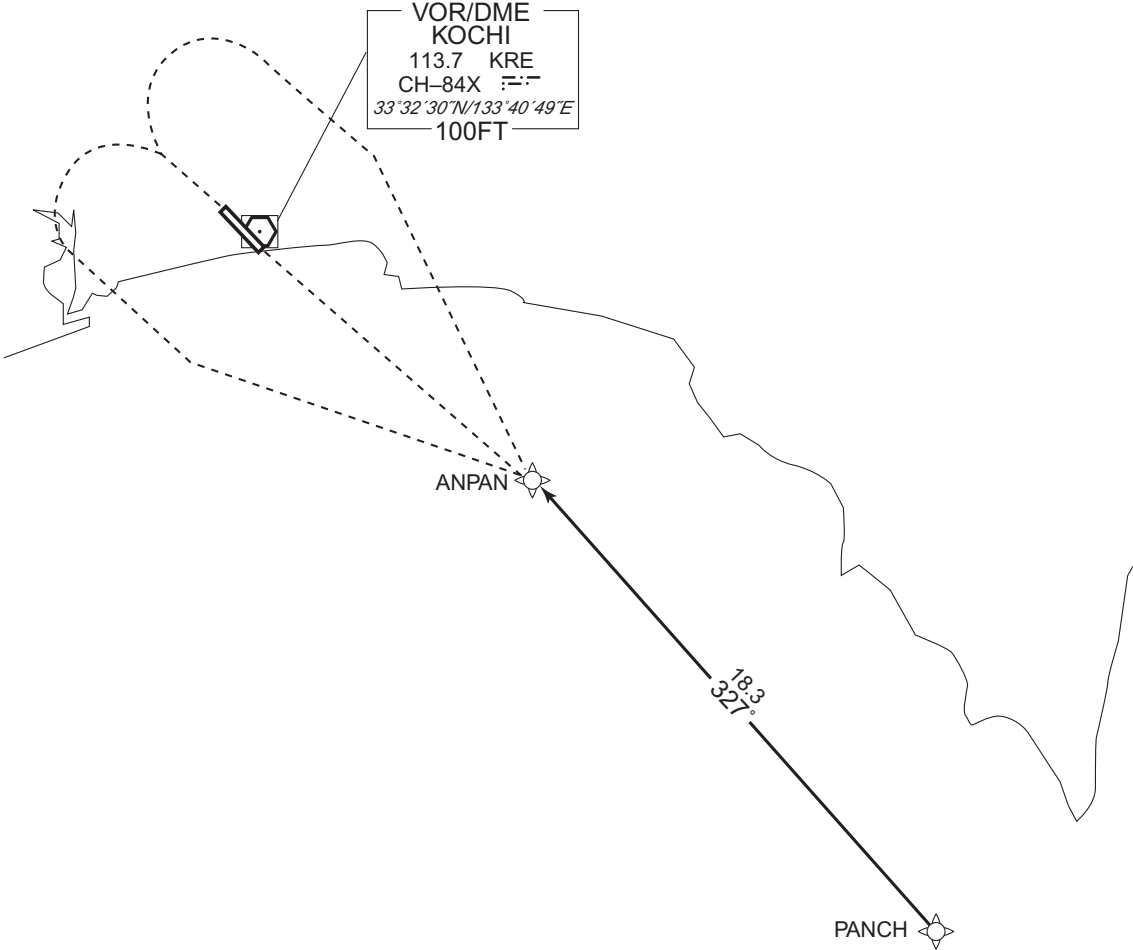
RNAV STAR

YOSAKOI EAST ARRIVAL

RNAV 1

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

VAR 8° W



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

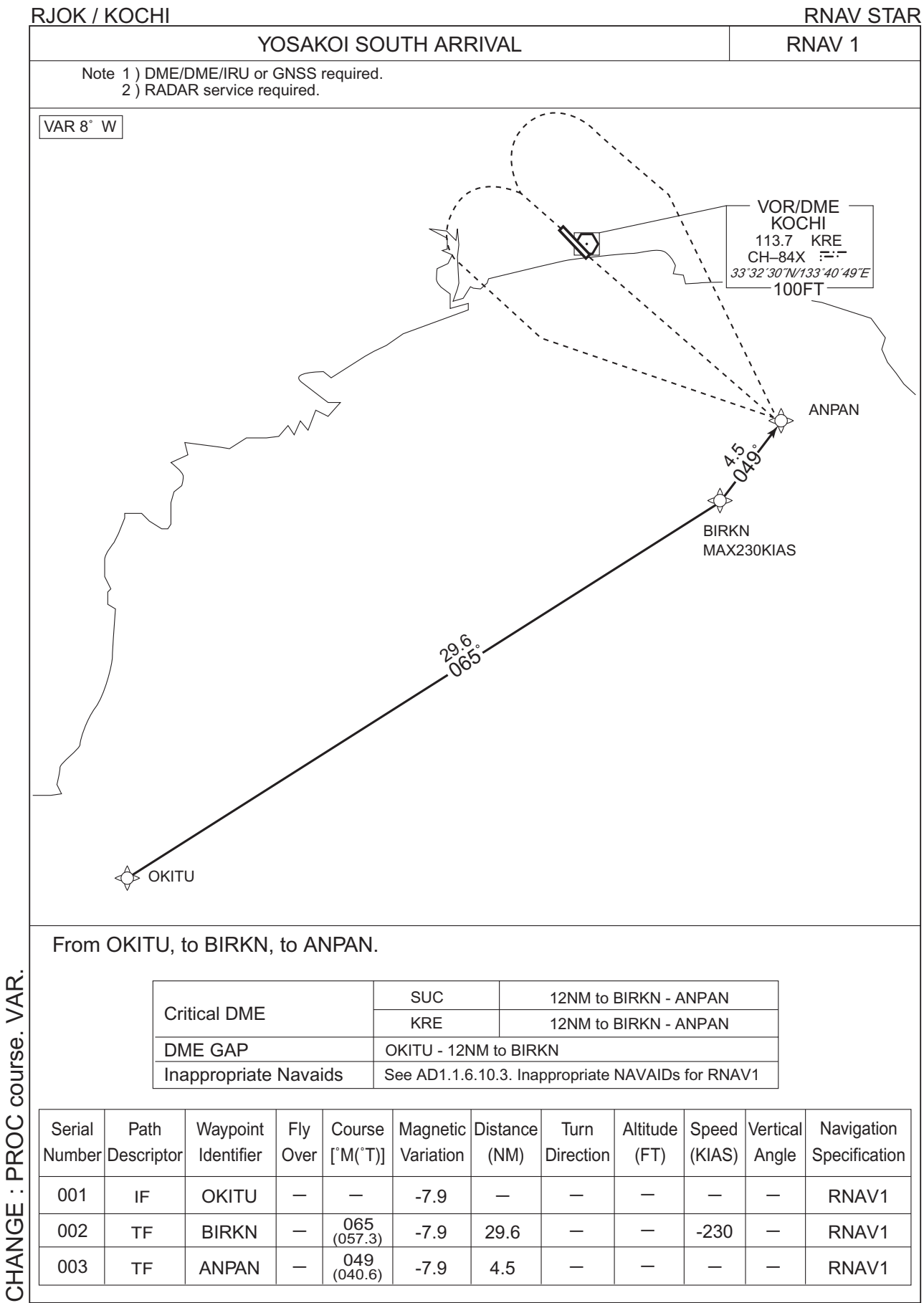
Waypoint Coordinates

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

CHANGE : Waypoint Coordinates added.



STANDARD ARRIVAL CHART -INSTRUMENT



CHANGE : PROC course. VAR.

STANDARD ARRIVAL CHART -INSTRUMENT

RJOK / KOCHI

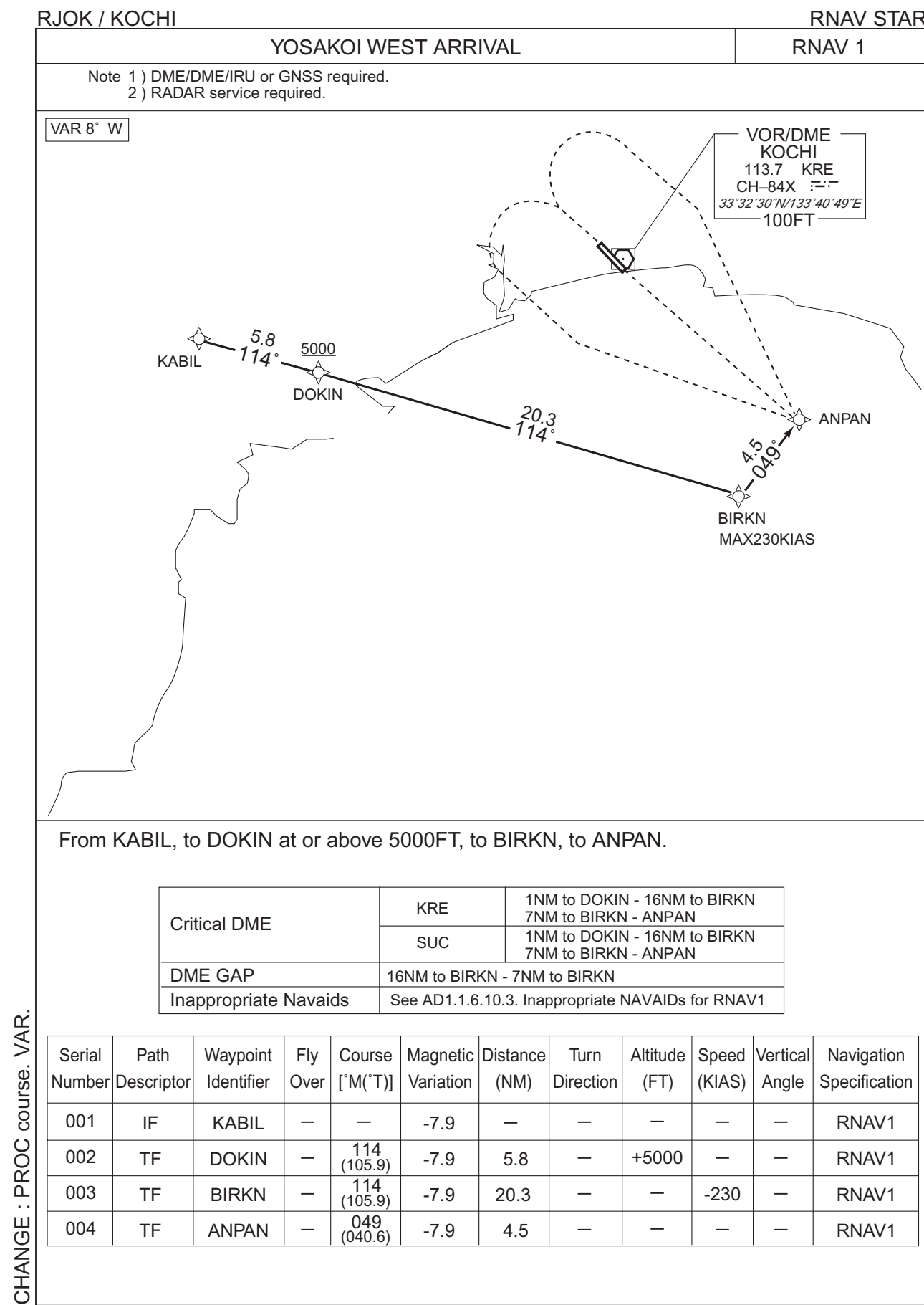
RNAV STAR

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



STANDARD ARRIVAL CHART -INSTRUMENT

RJOK / KOCHI

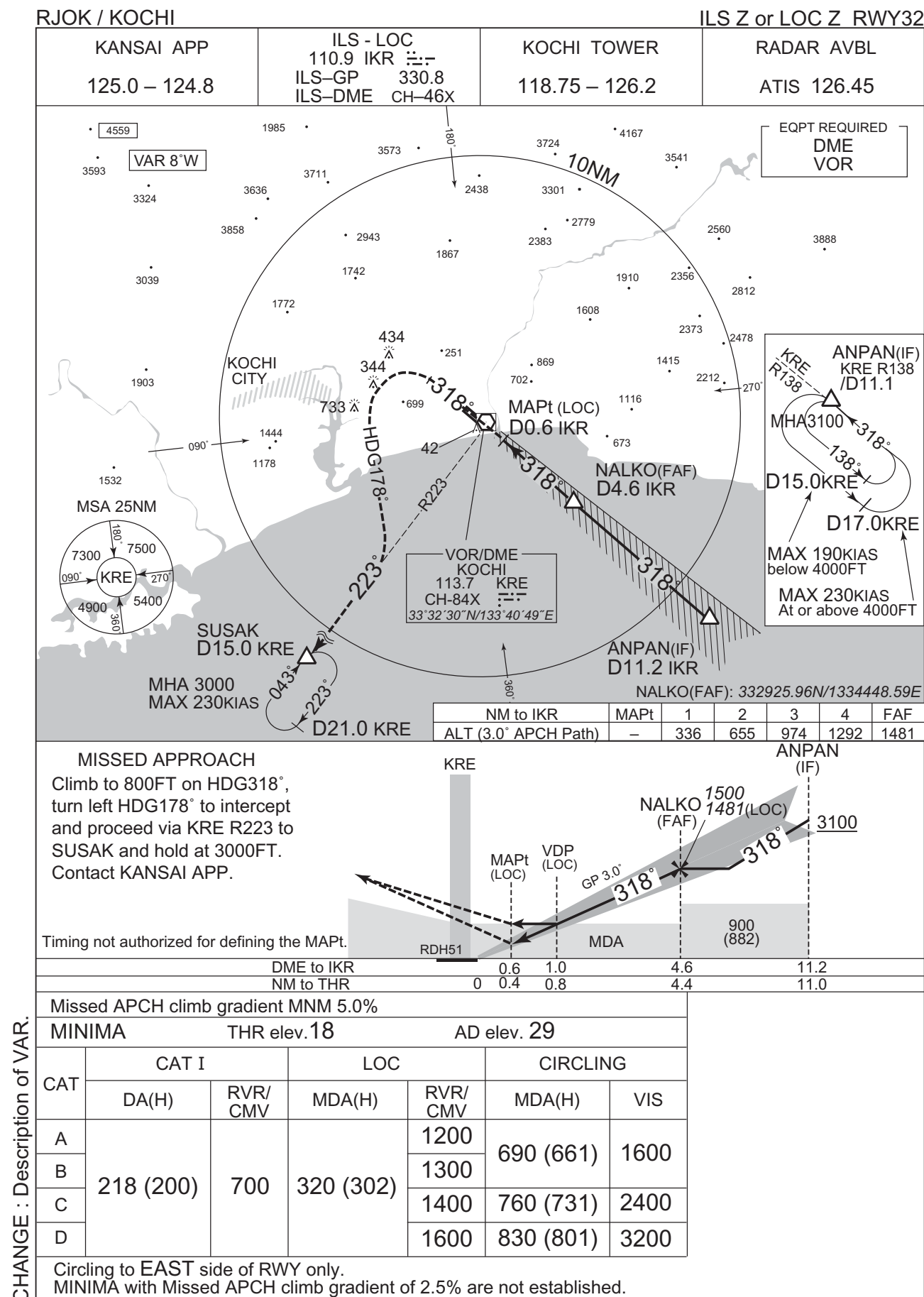
RNAV STAR

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.

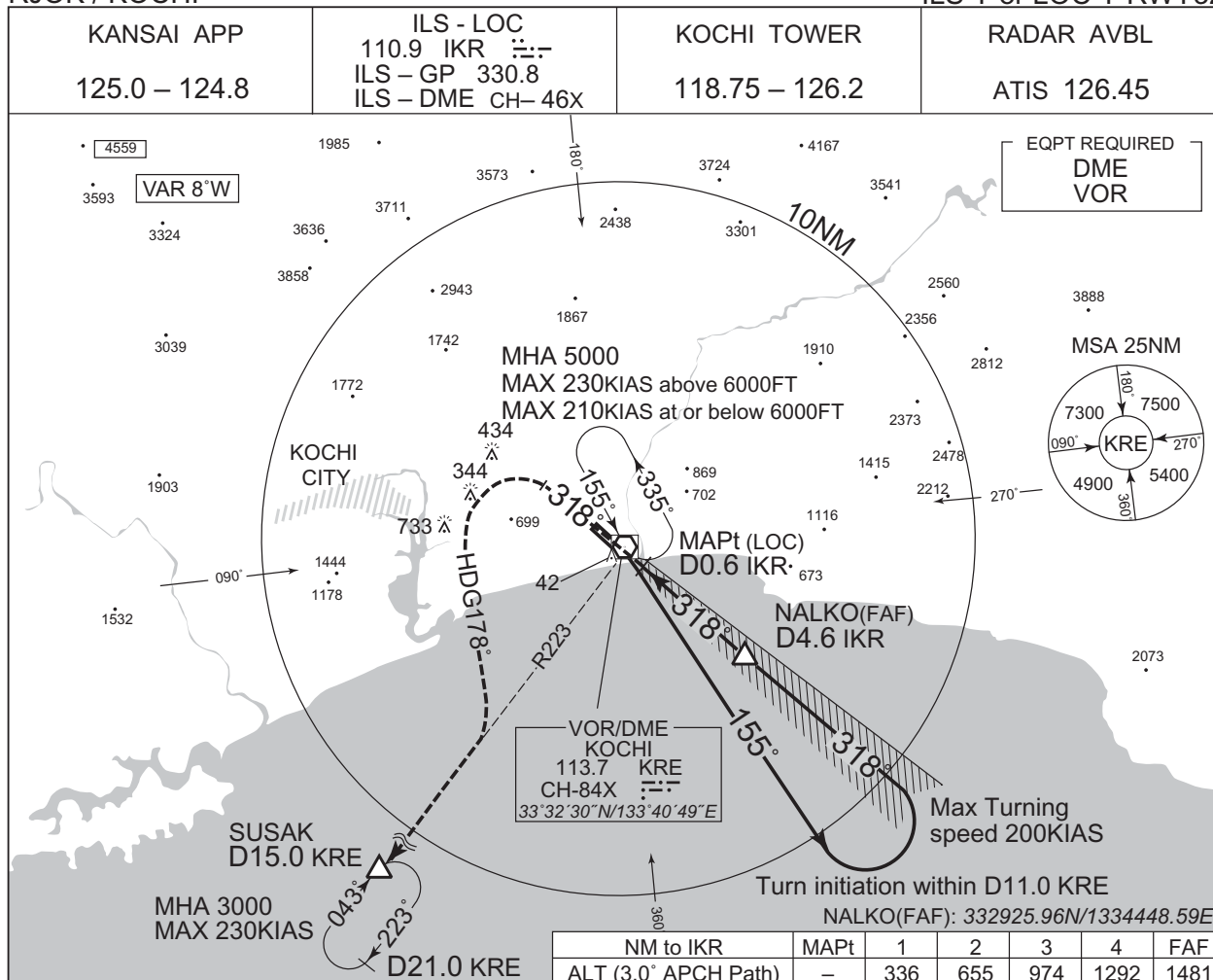
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJOK / KOCHI

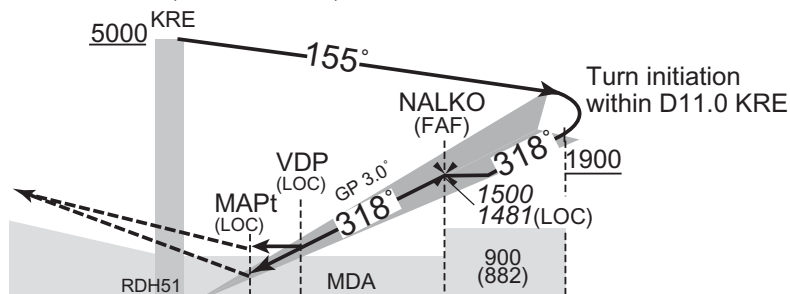
ILS Y or LOC Y RWY32



## 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    |           |      |
| D   |           |         |           | 1600    |           |      |

Circling to EAST side of RWY only.

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

CHANGE : Description of VAR.

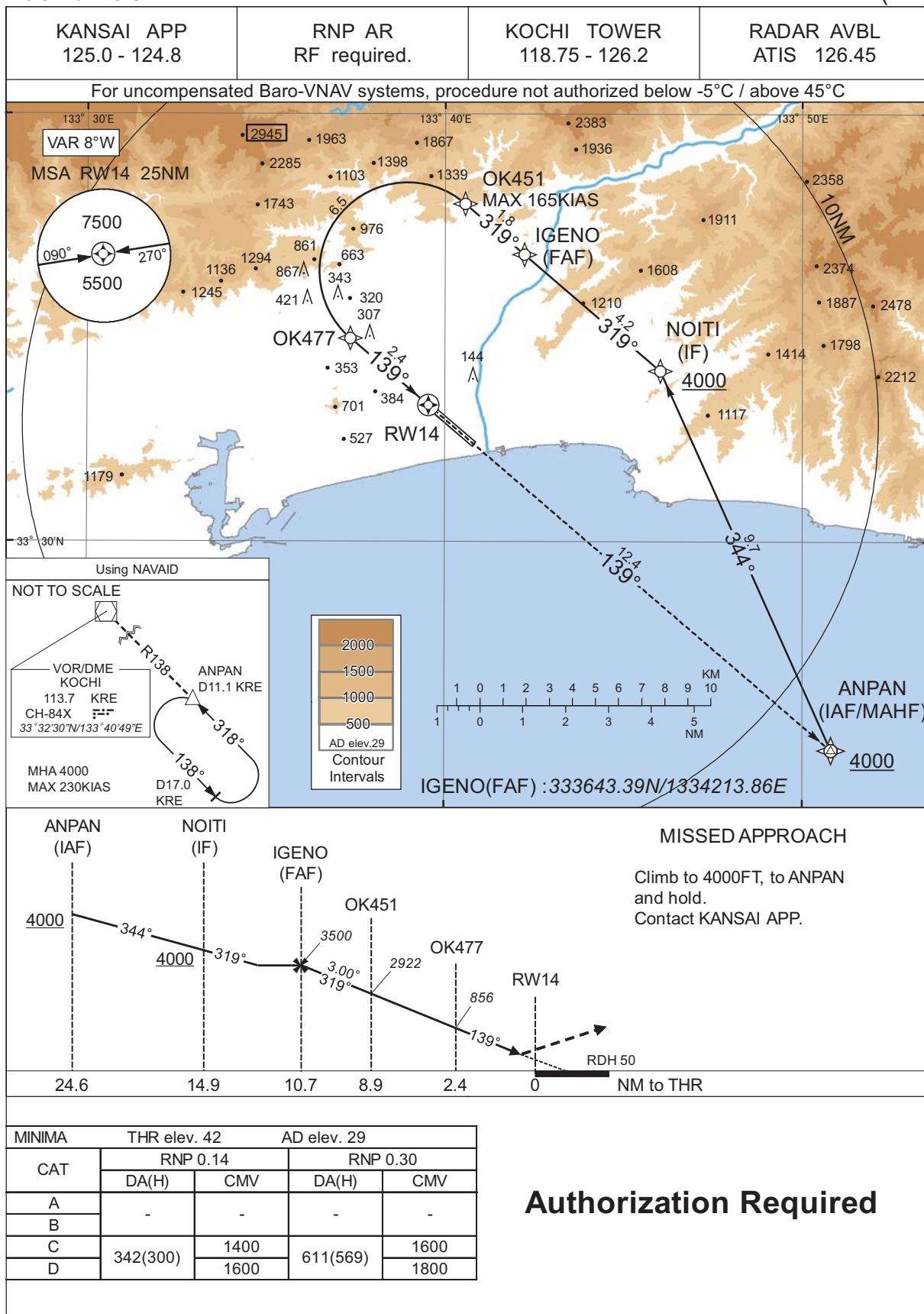
## RJOK / KOCHI VOR RWY32



## INSTRUMENT APPROACH CHART

RJOK / KOCHI

RNP Z RWY14(AR)



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



INSTRUMENT APPROACH CHART

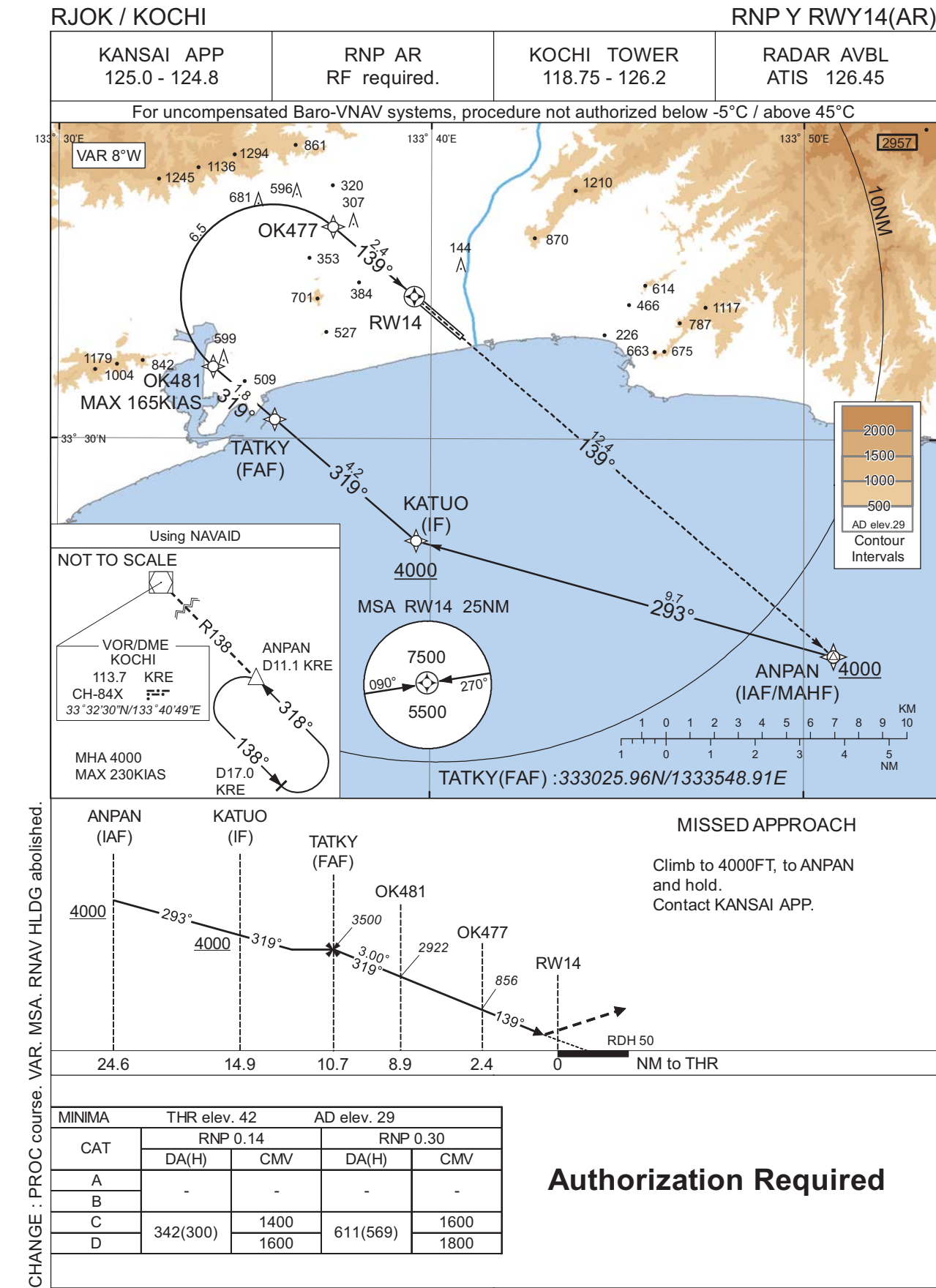
RJOK / KOCHI

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<br>(335.9)           | -7.9               | 9.7                      | -              | +4000         | -            | -               | 1.0          |
| 003                  | TF                                 | IGENO                    | -        | 319<br>(310.7)           | -7.9               | 4.2                      | -              | 3500          | -            | -               | 1.0          |
| 004                  | TF                                 | OK451                    | -        | 319<br>(310.7)           | -7.9               | 1.8                      | -              | 2922          | -165         | -3.00           | 0.14<br>0.30 |
| 005                  | RF<br>Center:<br>OKRF1<br>r=2.07NM | OK477                    | -        | -                        | -7.9               | 6.5                      | L              | 856           | -            | -3.00           | 0.14<br>0.30 |
| 006                  | TF                                 | RW14                     | Y        | 139<br>(130.6)           | -7.9               | 2.4                      | -              | 92            | -            | -3.00/50        | 0.14<br>0.30 |
| 007                  | TF                                 | ANPAN                    | -        | 139<br>(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



INSTRUMENT APPROACH CHART

RJOK / KOCHI

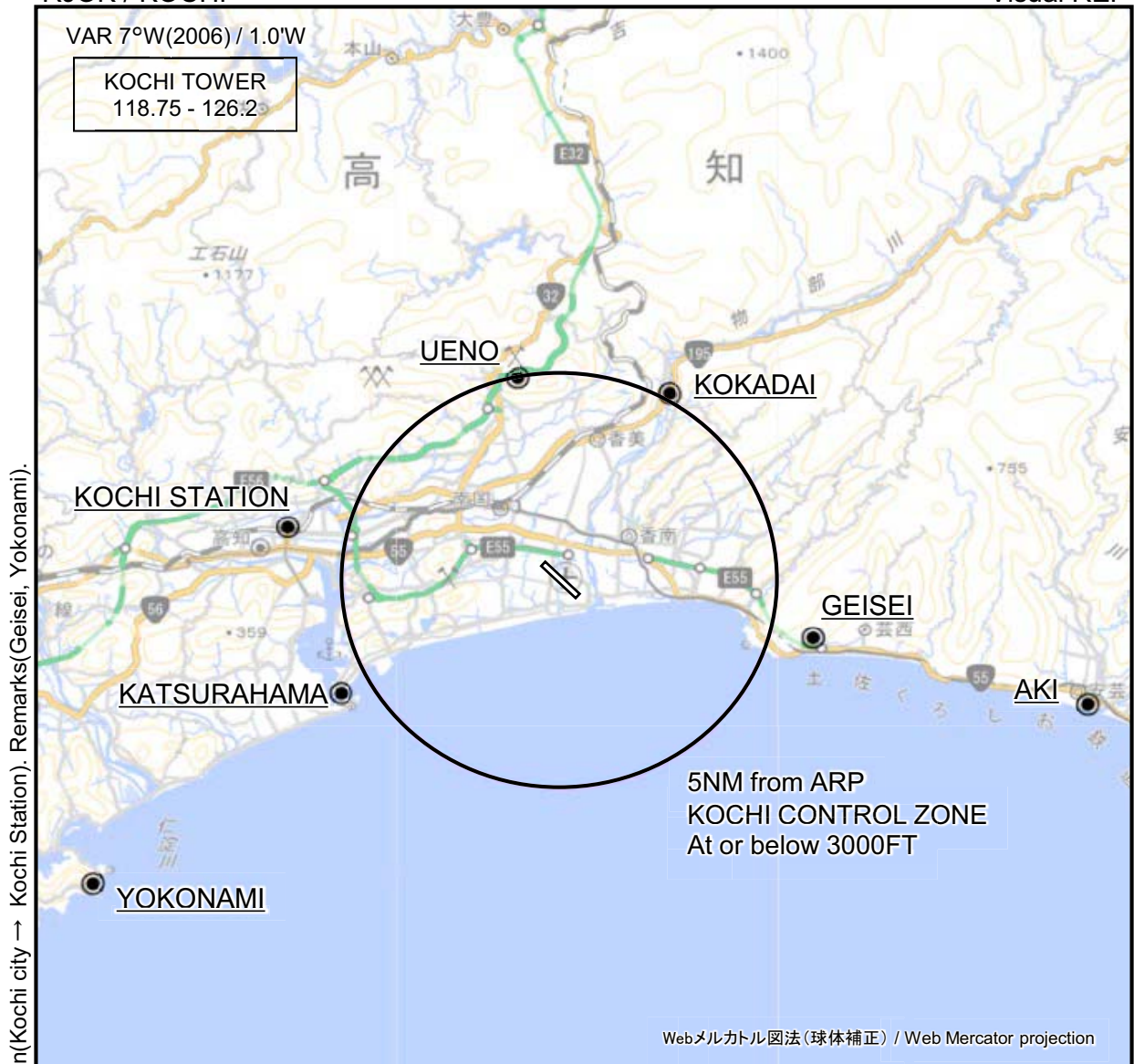
RNP Y RWY14(AR)

| 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<br>(285.5)           | -7.9               | 9.7                      | -              | +4000         | -            | -               | 1.0          |
| 003                  | TF                                 | TATKY                    | -        | 319<br>(310.6)           | -7.9               | 4.2                      | -              | 3500          | -            | -               | 1.0          |
| 004                  | TF                                 | OK481                    | -        | 319<br>(310.6)           | -7.9               | 1.8                      | -              | 2922          | -165         | -3.00           | 0.14<br>0.30 |
| 005                  | RF<br>Center:<br>OKRF2<br>r=2.07NM | OK477                    | -        | -                        | -7.9               | 6.5                      | R              | 856           | -            | -3.00           | 0.14<br>0.30 |
| 006                  | TF                                 | RW14                     | Y        | 139<br>(130.6)           | -7.9               | 2.4                      | -              | 92            | -            | -3.00/50        | 0.14<br>0.30 |
| 007                  | TF                                 | ANPAN                    | -        | 139<br>(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

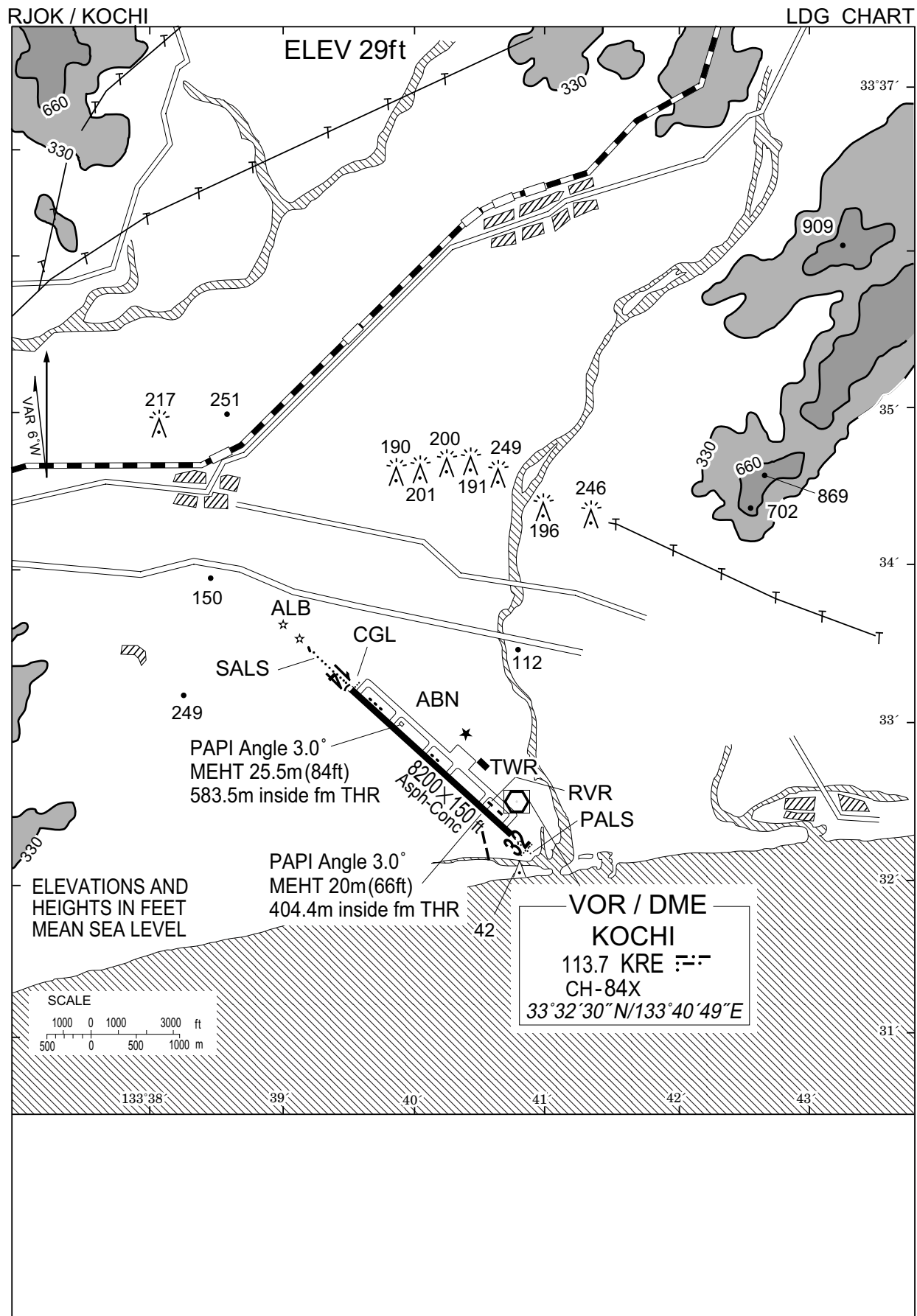
Visual REP



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



RJOK / KOCHI

Minimum Vectoring Altitude CHART

VAR 7°W (2009)

