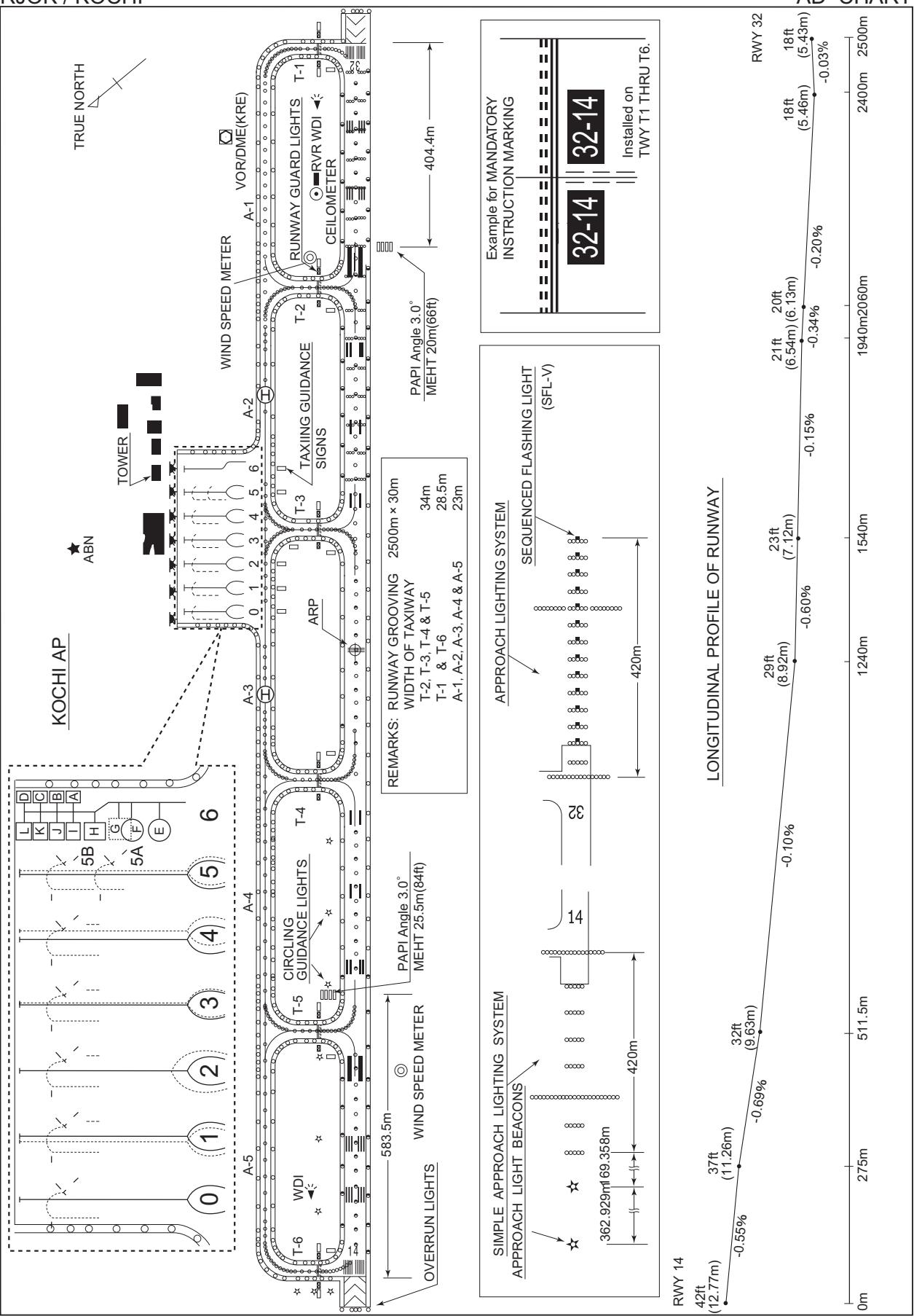


RJOK / KOCHI

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.

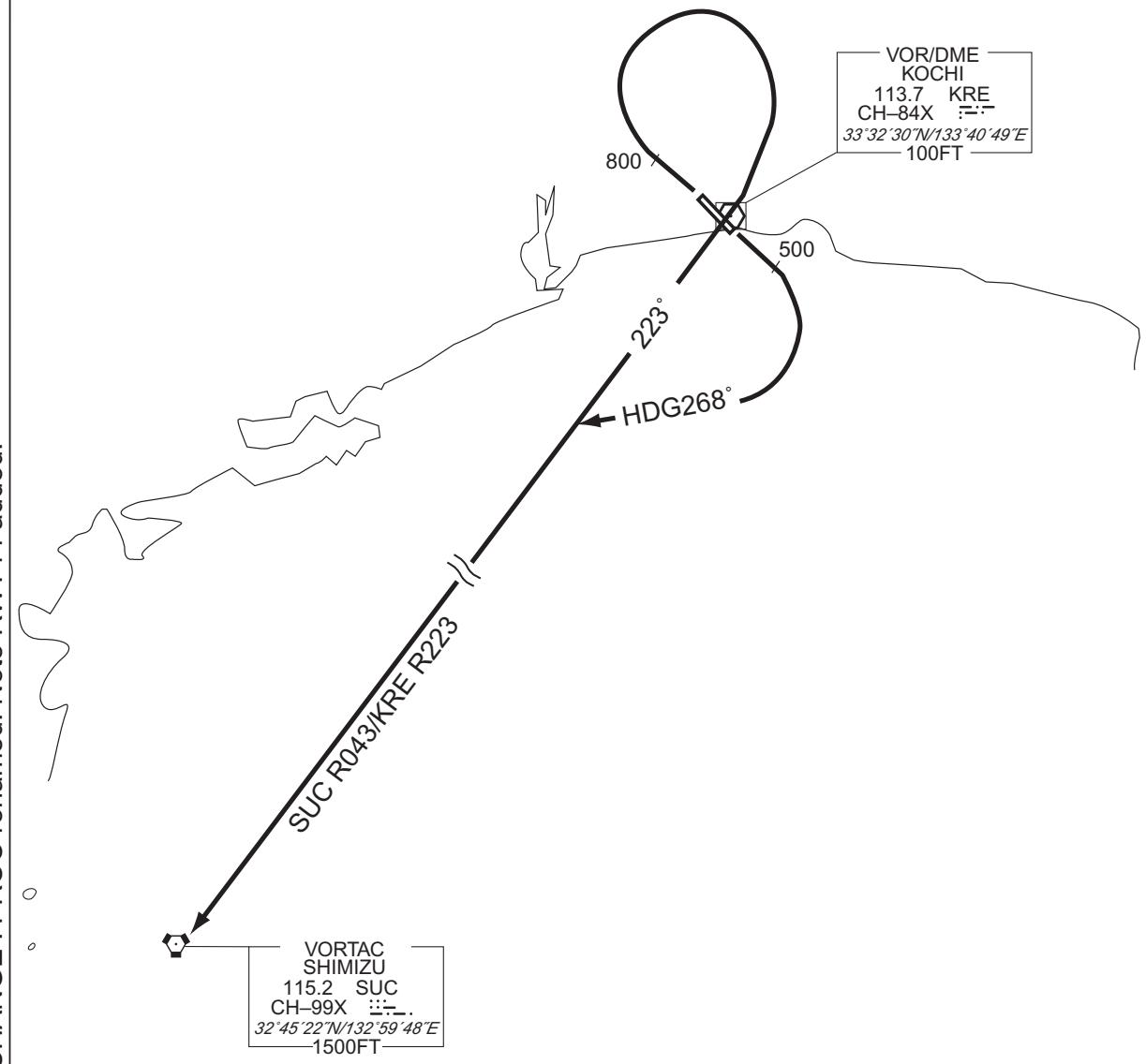
Note RWY14 : 5.0% climb gradient required up to 500FT.

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, 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.

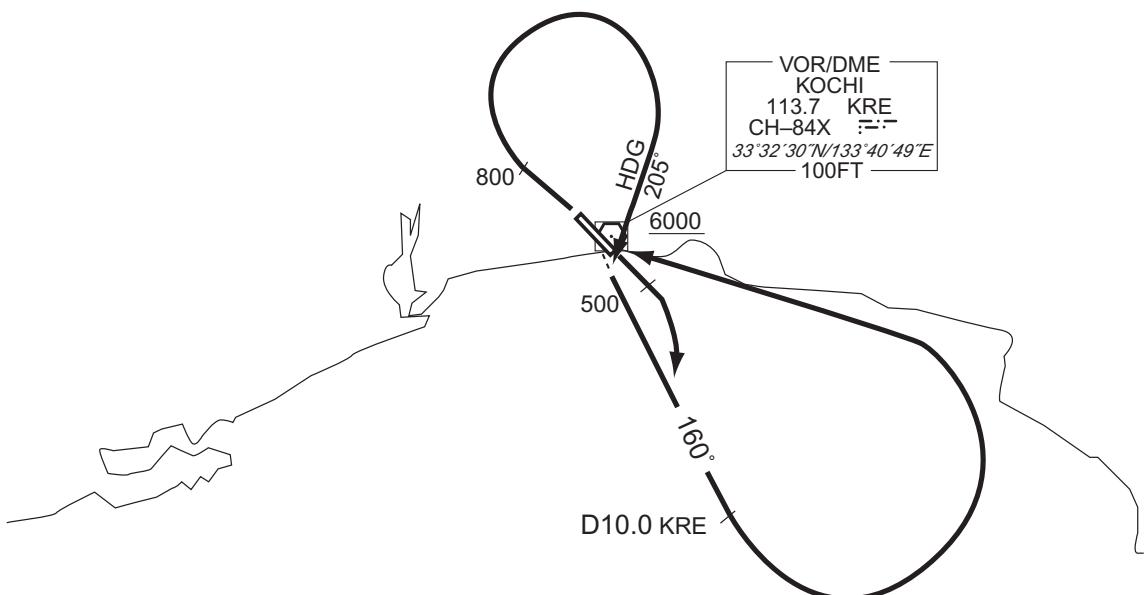
Note RWY14 : 5.0% climb gradient required up to 500FT.

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, turn 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.

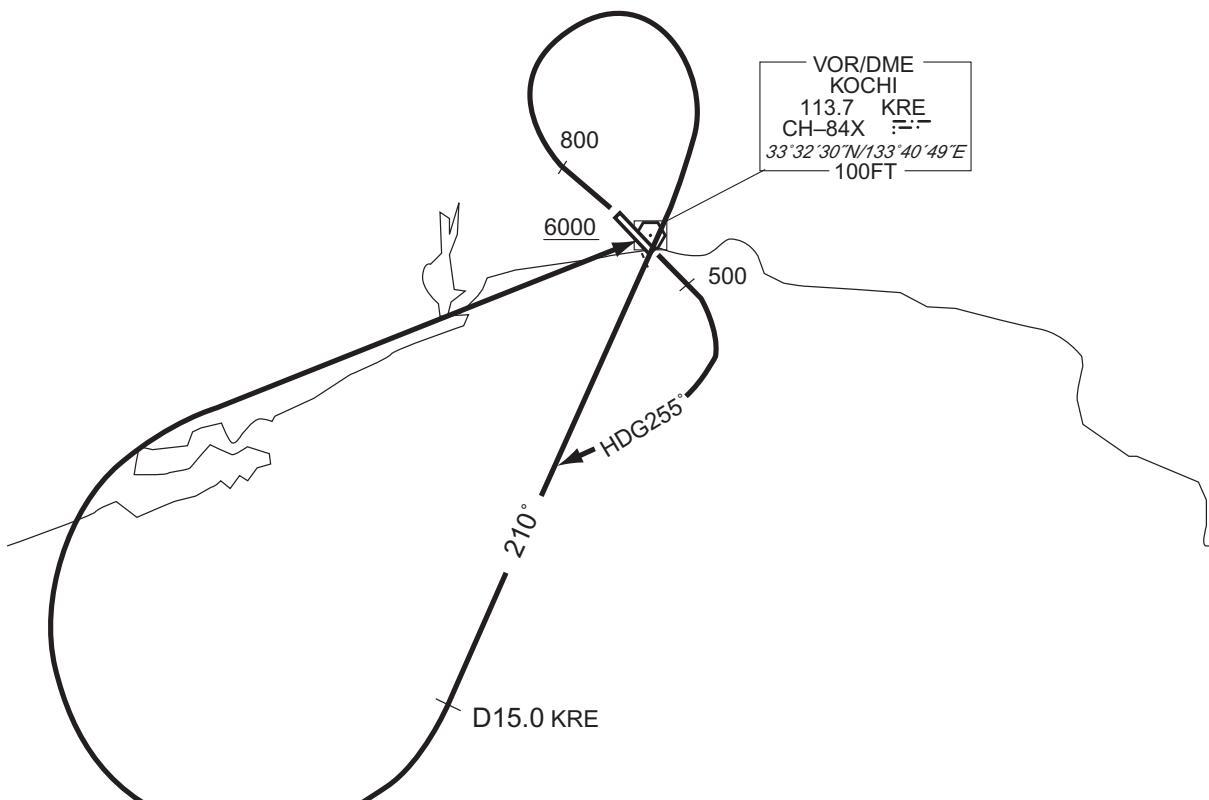
Note RWY14 : 5.0% climb gradient required up to 500FT.

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.



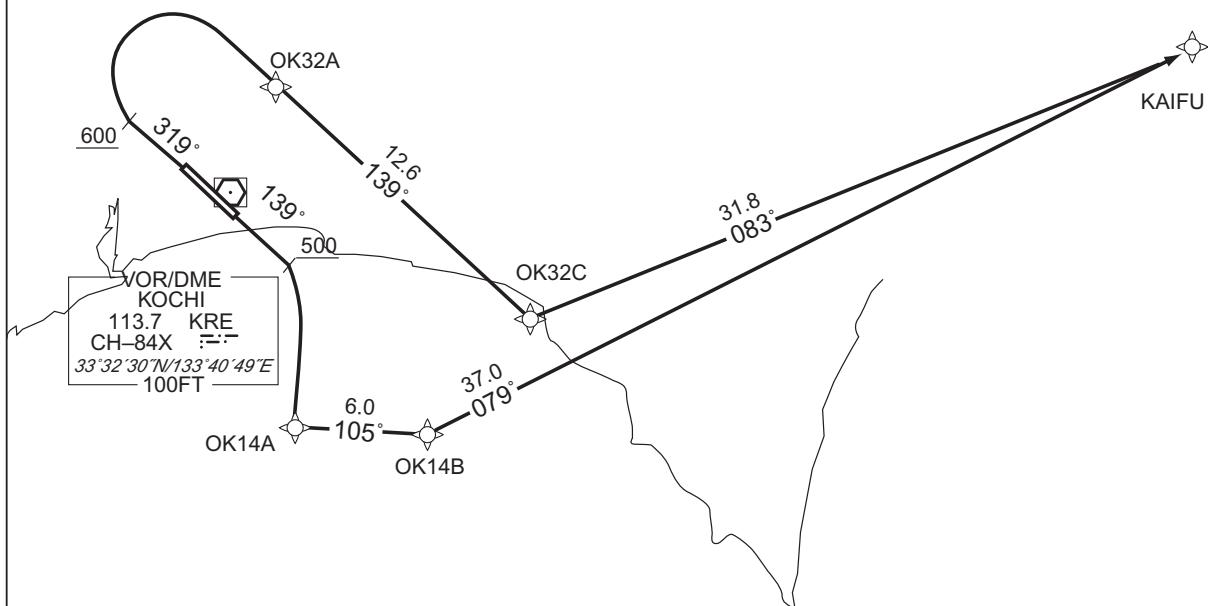
STANDARD DEPARTURE CHART -INSTRUMENT

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. | 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 |
| 2) RADAR service required. | 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



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

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.

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

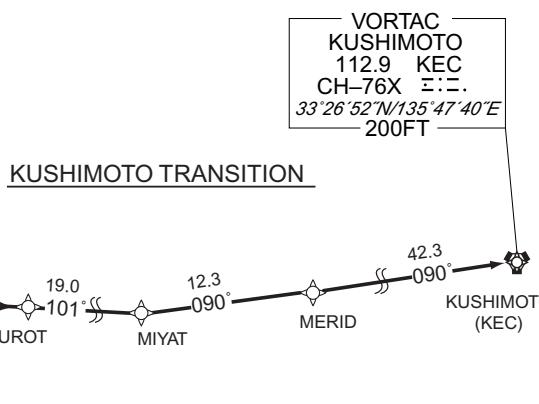
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 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.

STANDARD DEPARTURE CHART -INSTRUMENT

| RJOK / KOCHI | | RNAV SID and TRANSITION |
|---|-----------------------|---|
| MUROT TWO DEPARTURE / KUSHIMOTO TRANSITION | | RNAV 1 |
| <p>Note 1) DME/DME/IRU or GNSS required.</p> <p>※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.</p> <p>2) RADAR service required.</p> | | <p>Critical DME</p> <p>RWY14 : KRE 3.0NM FM DER - 5.0NM to MUROT SUC 3.0NM FM DER - 24.0NM to MUROT</p> <p>RWY32 : KRE 18.0NM to OK32D - 5.0NM to MUROT SUC 18.0NM to OK32D - 11.0NM to OK32D</p> |
| <p>VAR 8° W</p> <p>VOR/DME Kochi 113.7 KRE CH-84X 33°32'30"N/133°40'49"E 100FT</p>  | DME GAP | <p>RWY14 : DER - 3.0NM FM DER</p> <p>RWY32 : DER - 18.0NM to OK32D</p> |
| | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |
|  <p><u>KUSHIMOTO TRANSITION</u></p> | | |
| <p><u>MUROT TWO DEPARTURE</u></p> <p>RWY14 : Climb on HDG139° at or above 500FT, turn right direct to OK14A, to MUROT.</p> <p>RWY32 : Climb on HDG319° at or above 600FT, turn right direct to OK32A, to OK32D, to MUROT.</p> <p>Note RWY14 : 5.0% climb gradient required up to 500FT. OBST ALT 61FT located at 0.2NM 179° FM end of RWY14.</p> <p>RWY32 : 6.0% climb gradient required up to 2300FT. OBST ALT 1970FT located at 6.1NM 005° FM end of RWY32.</p> | | |
| <p><u>KUSHIMOTO TRANSITION</u></p> <p>From MUROT, to MIYAT, to MERID, to KEC.</p> | | |

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

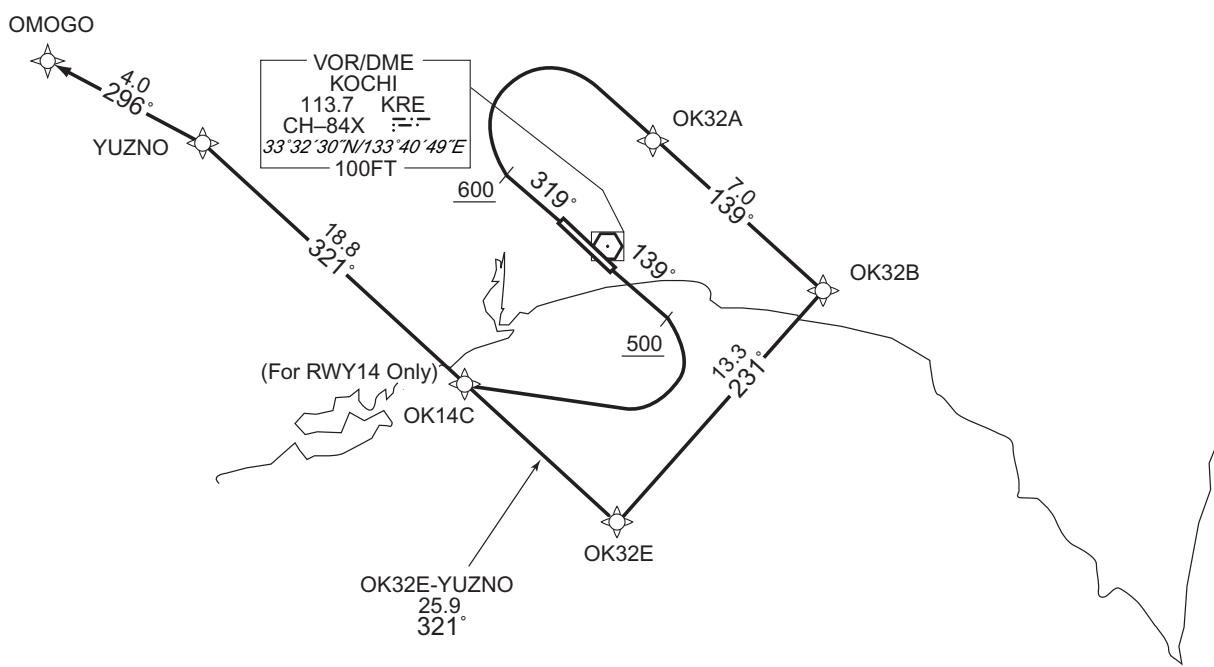
RJOK / KOCHI

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. | 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 |
| 2) RADAR service required. | 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 |

VAR 8° W

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



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.

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

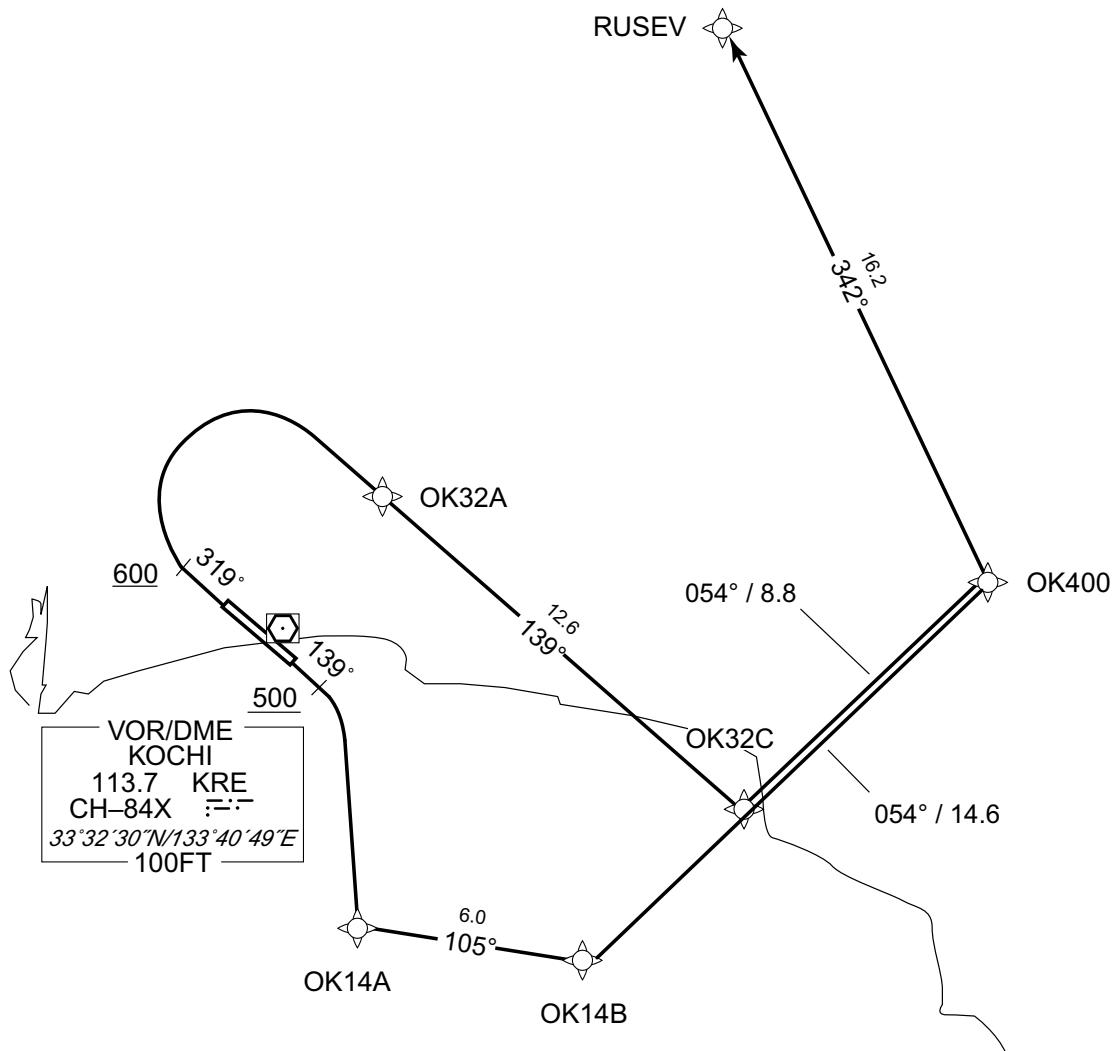
RNAV SID

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

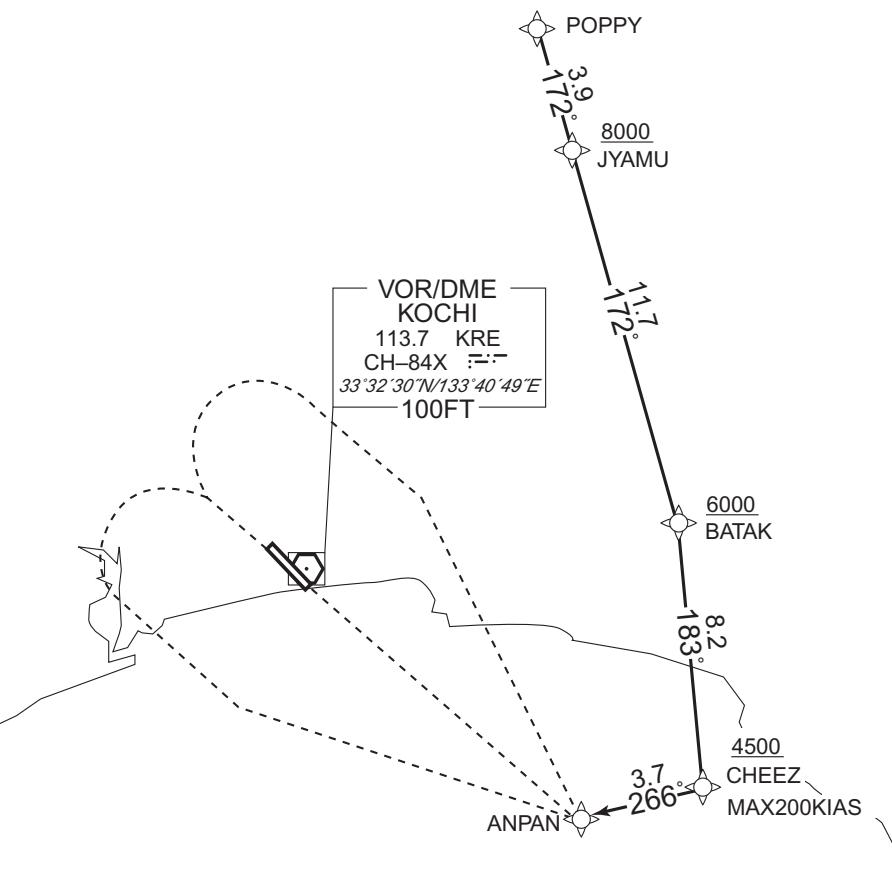
RNAV STAR

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 | |

| 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

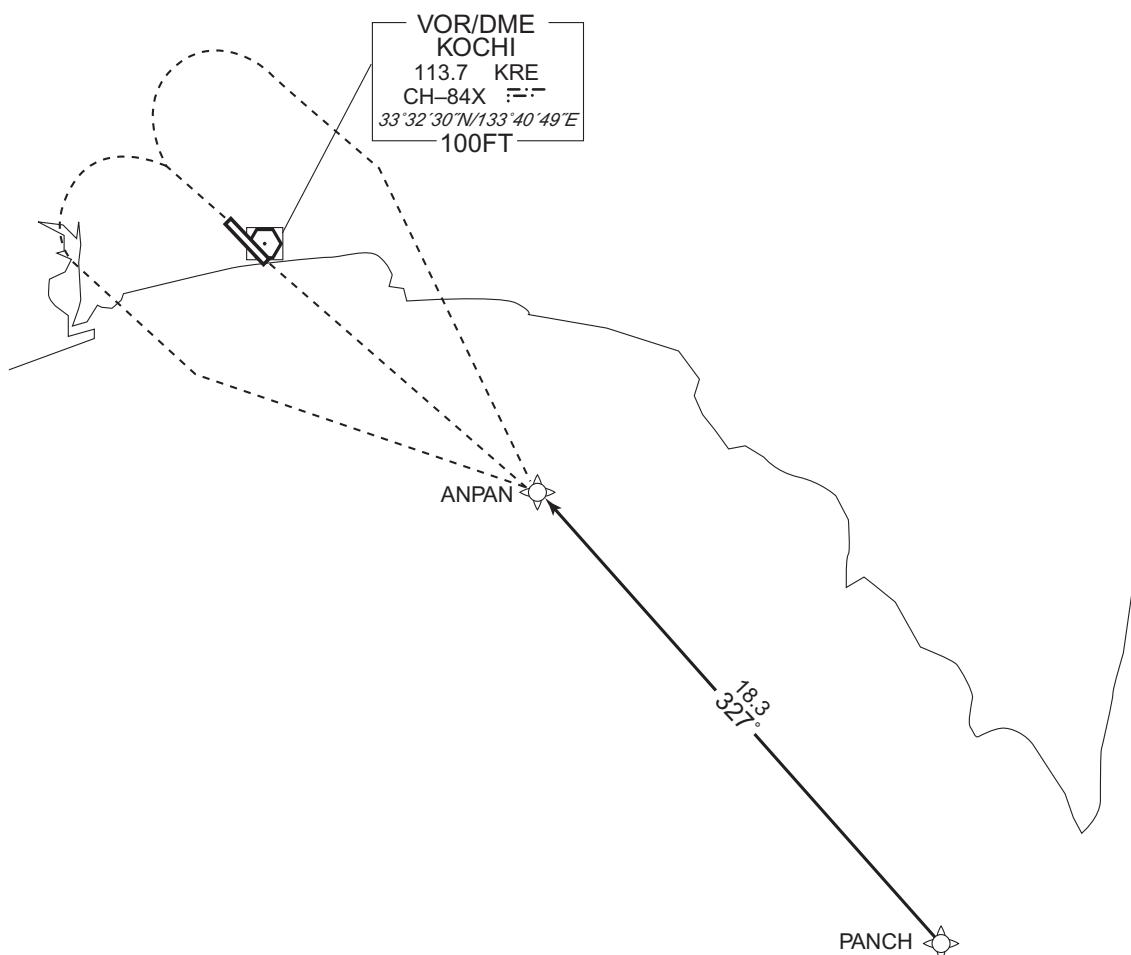
RNAV STAR

YOSAKOI EAST ARRIVAL

RNAV 1

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

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 | |

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

STANDARD ARRIVAL CHART -INSTRUMENT

RJOK / KOCHI

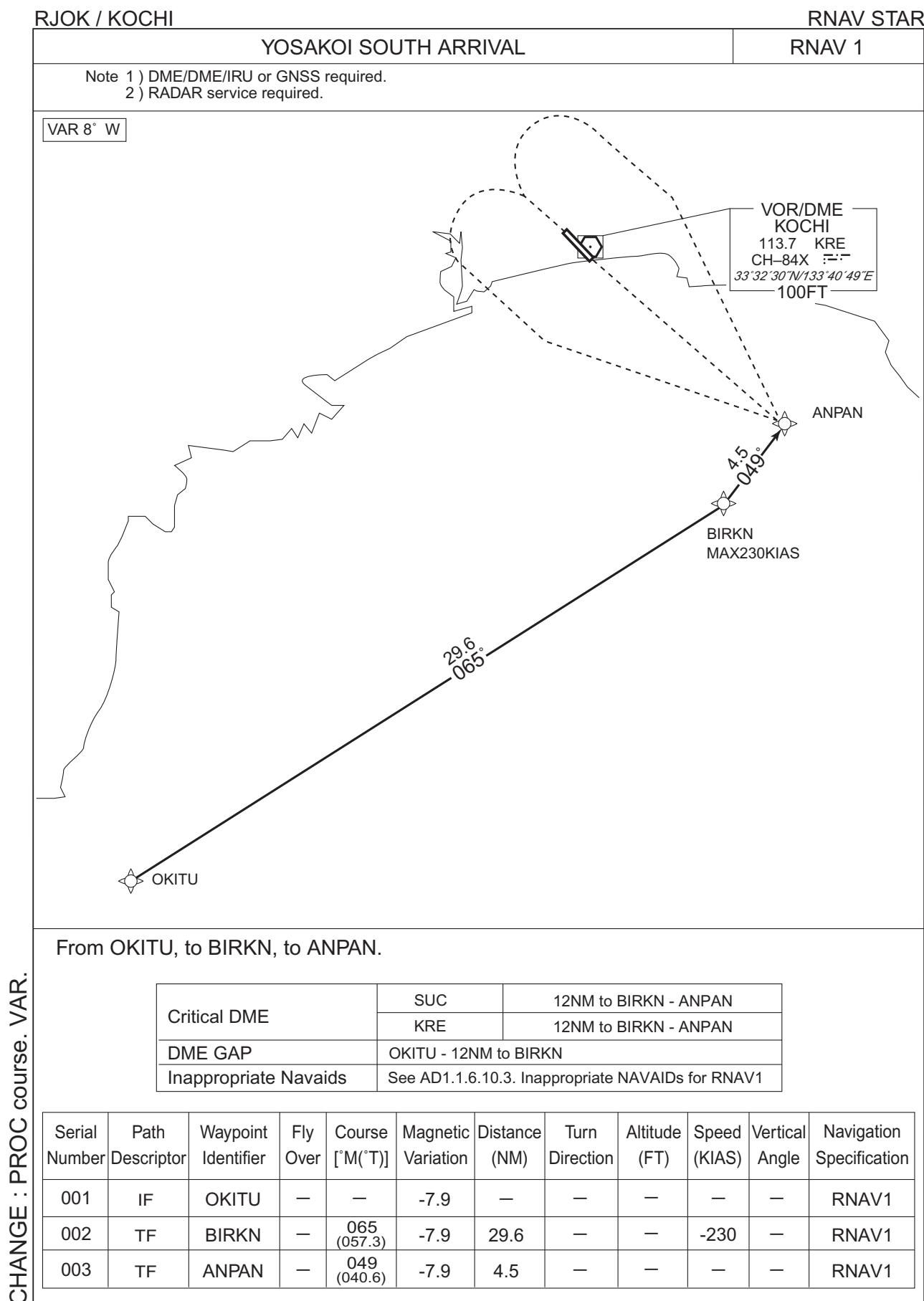
RNAV STAR

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



STANDARD ARRIVAL CHART -INSTRUMENT

RJOK / KOCHI

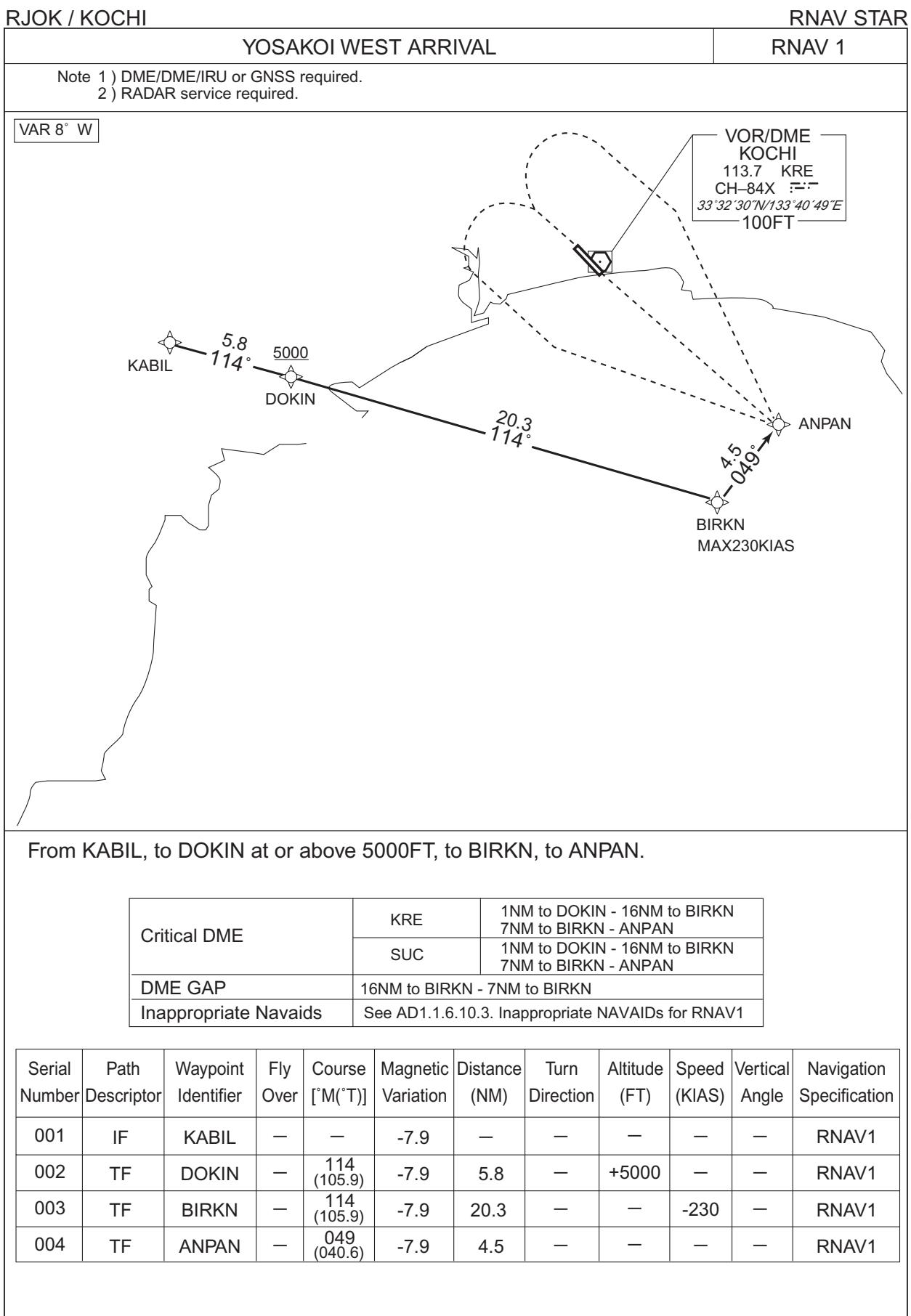
RNAV STAR

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



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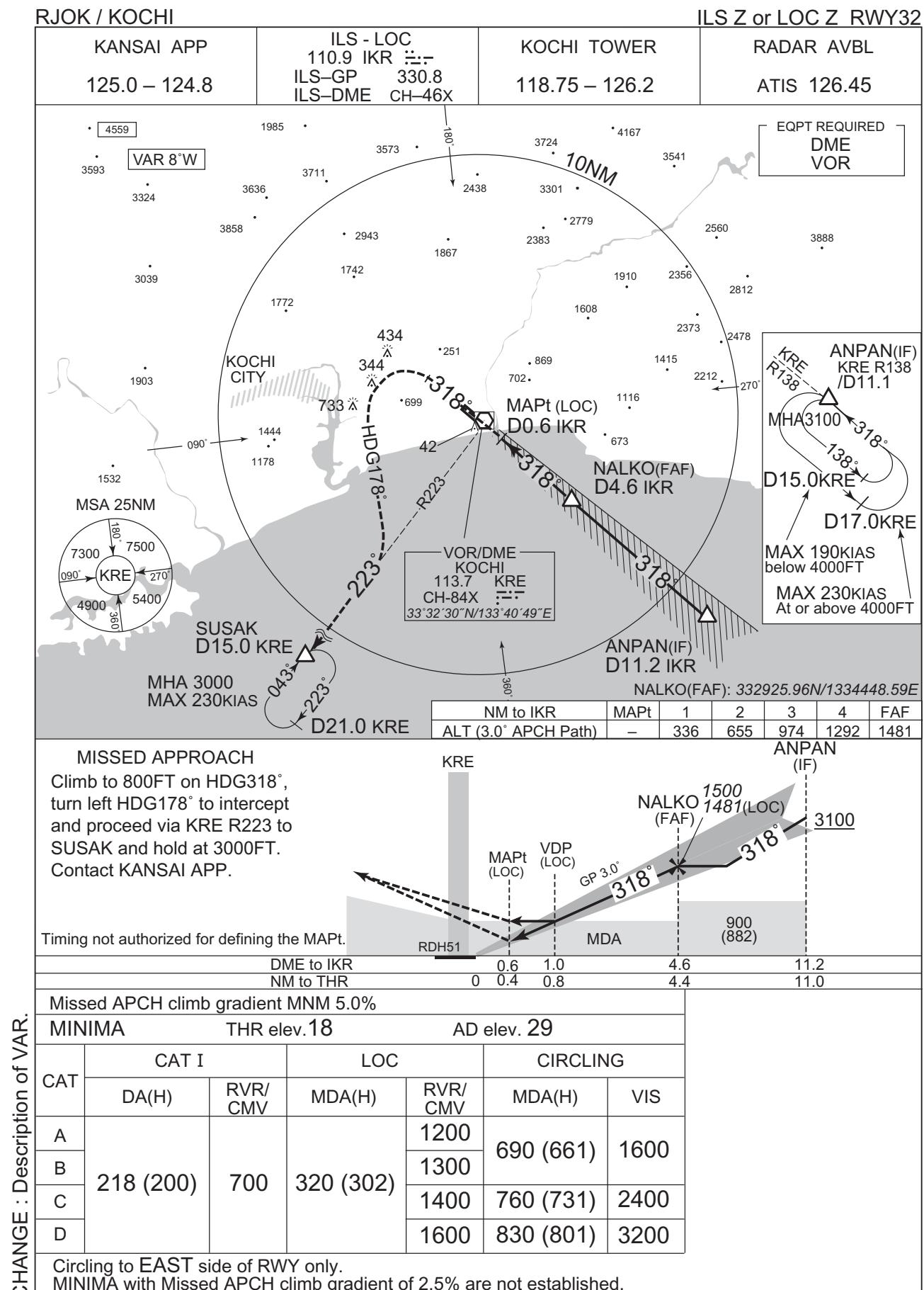
RNAV STAR

Waypoint Coordinates

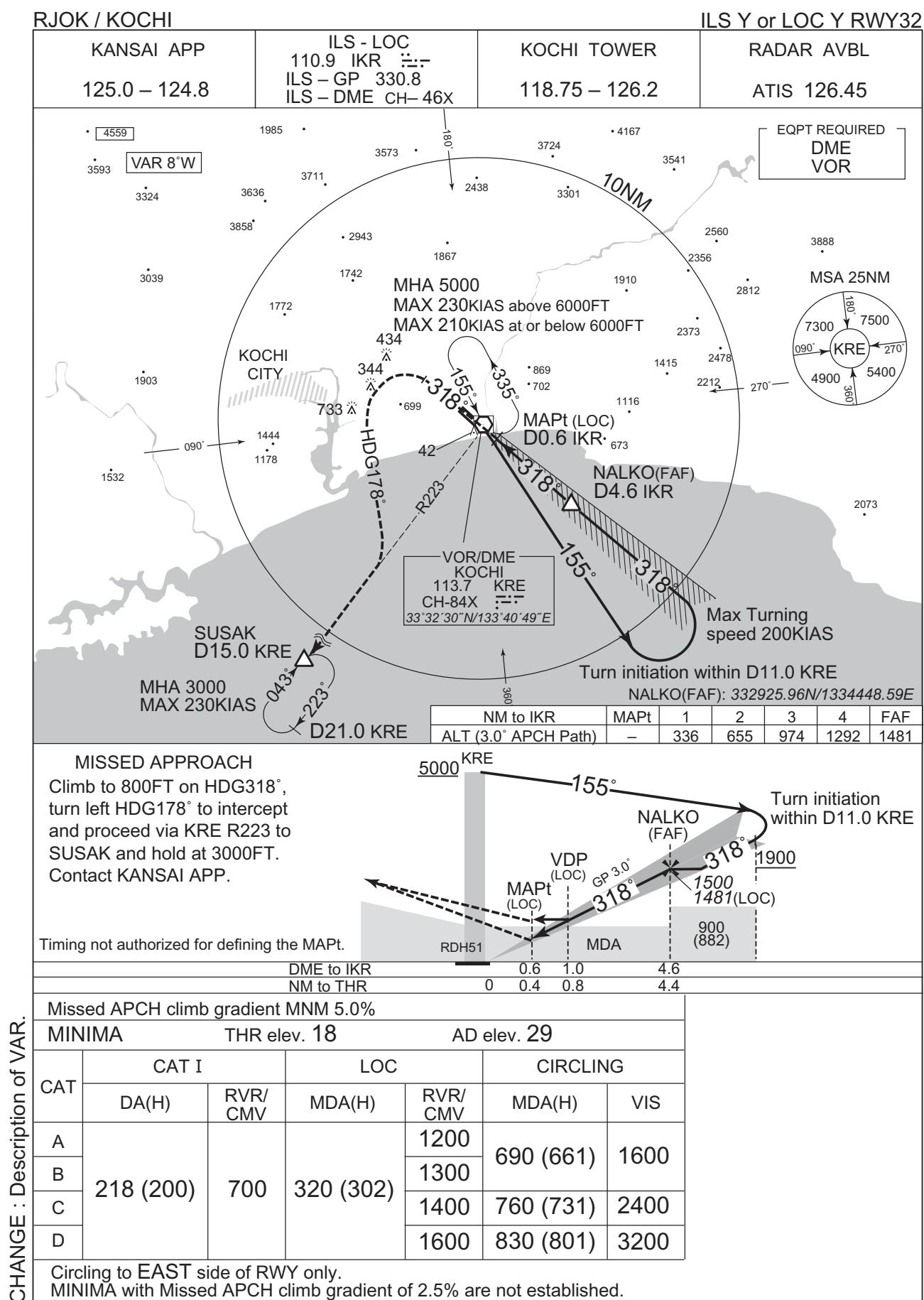
| Waypoint Identifier | Coordinates | Waypoint Identifier | Coordinates |
|---------------------|------------------------|---------------------|------------------------|
| KABIL | 332854.0N / 1331717.4E | BIRKN | 332142.6N / 1334717.9E |
| DOKIN | 332718.9N / 1332357.6E | ANPAN | 332507.5N / 1335048.5E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

CHANGE : Waypoint Coordinates added.

INSTRUMENT APPROACH CHART



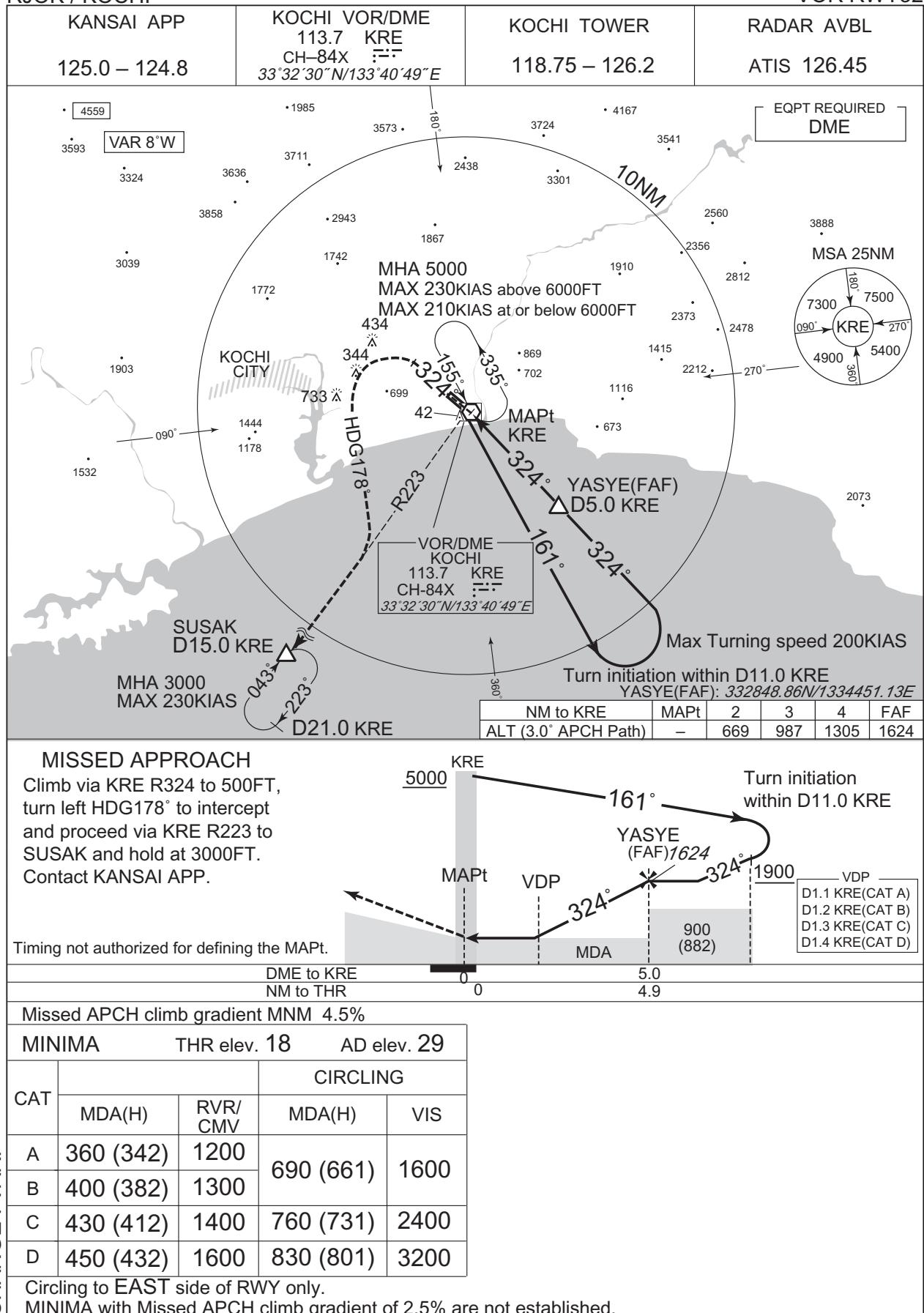
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJOK / KOCHI

VOR RWY32



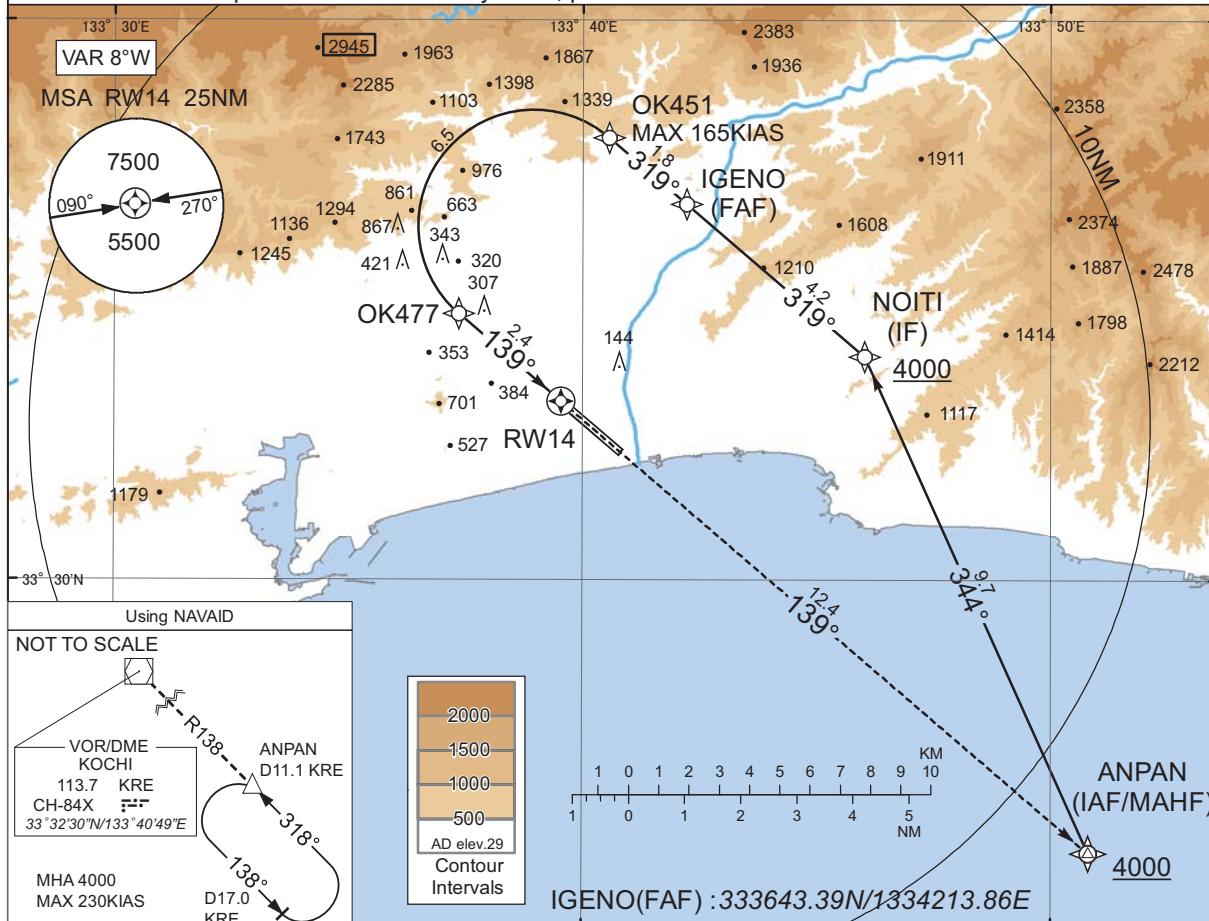
INSTRUMENT APPROACH CHART

RJOK / KOCHI

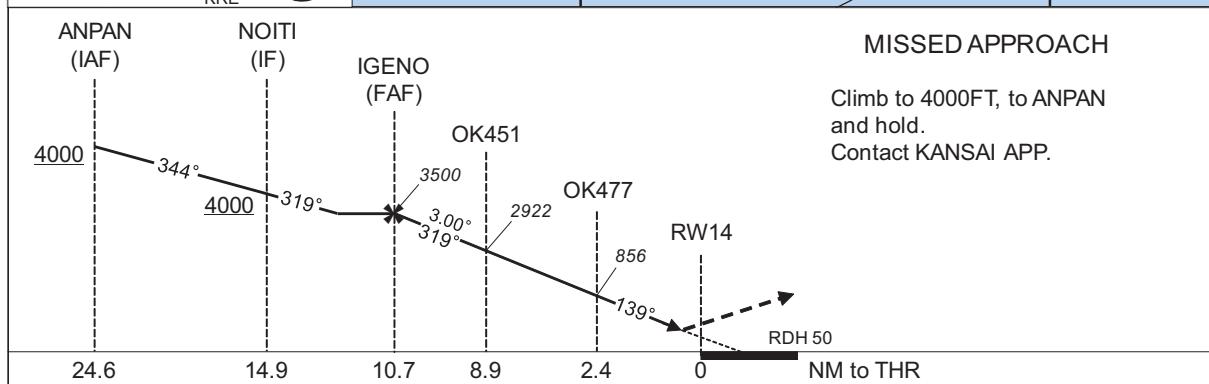
RNP Z RWY14(AR)

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

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



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



Authorization Required

| 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 | |

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

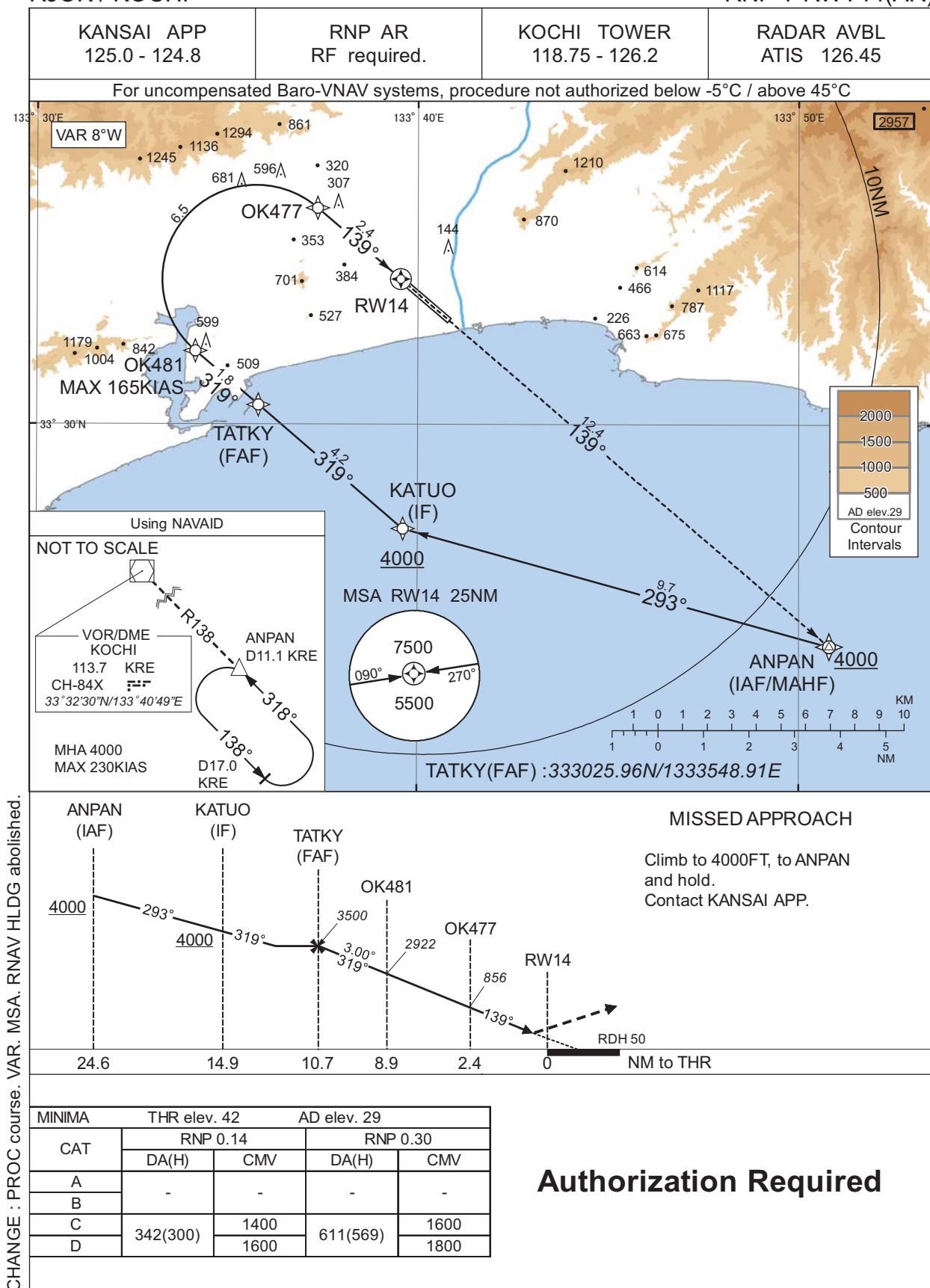
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| ANPAN | 332507.54N / 1335048.52E | OKRF1 | 333620.13N / 1333858.11E |
| NOITI | 333400.03N / 1334602.07E | | |
| IGENO | 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)



INSTRUMENT APPROACH CHART

RJOK / KOCHI

RNP Y RWY14(AR)

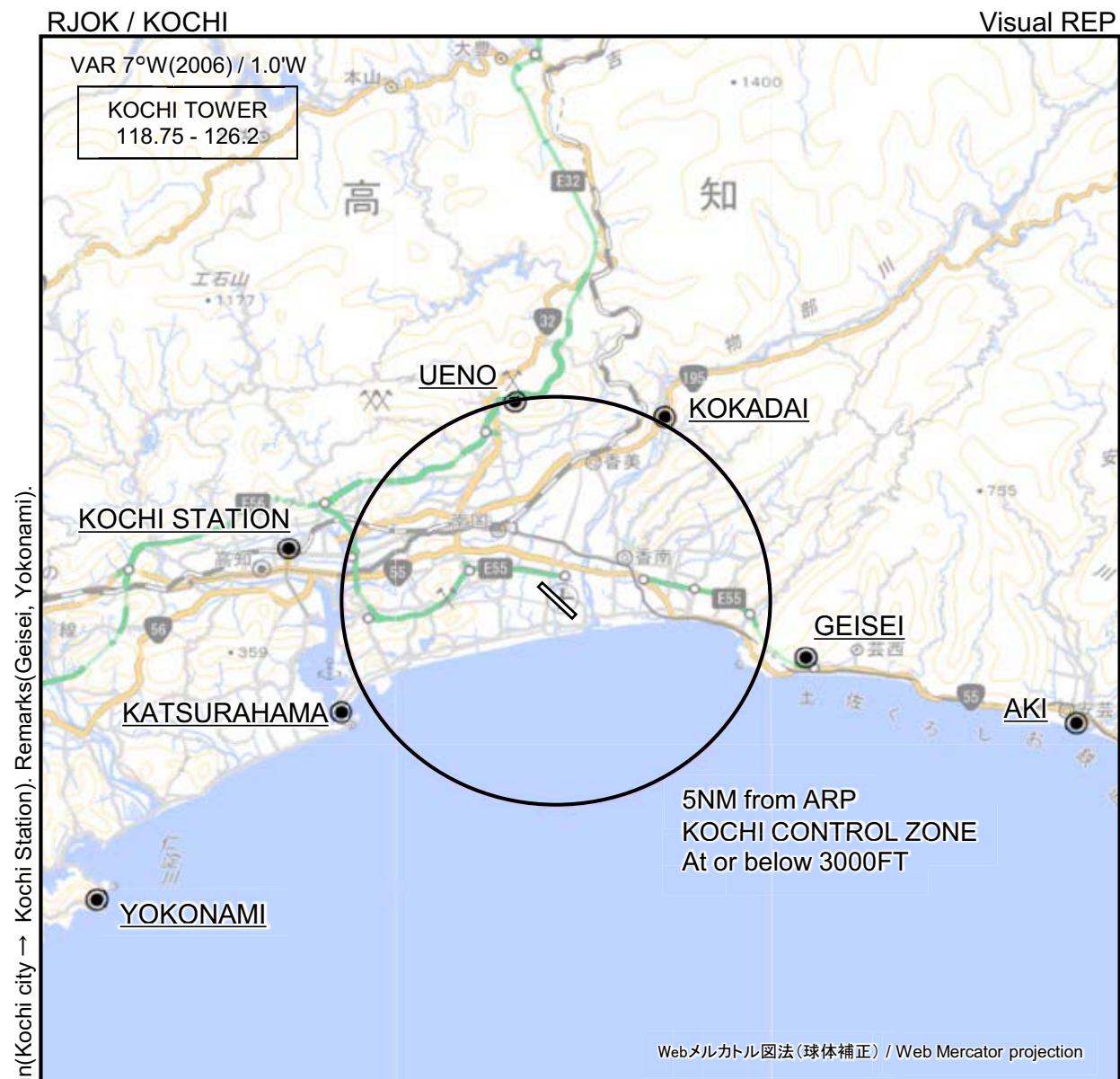
Coding Table

| 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

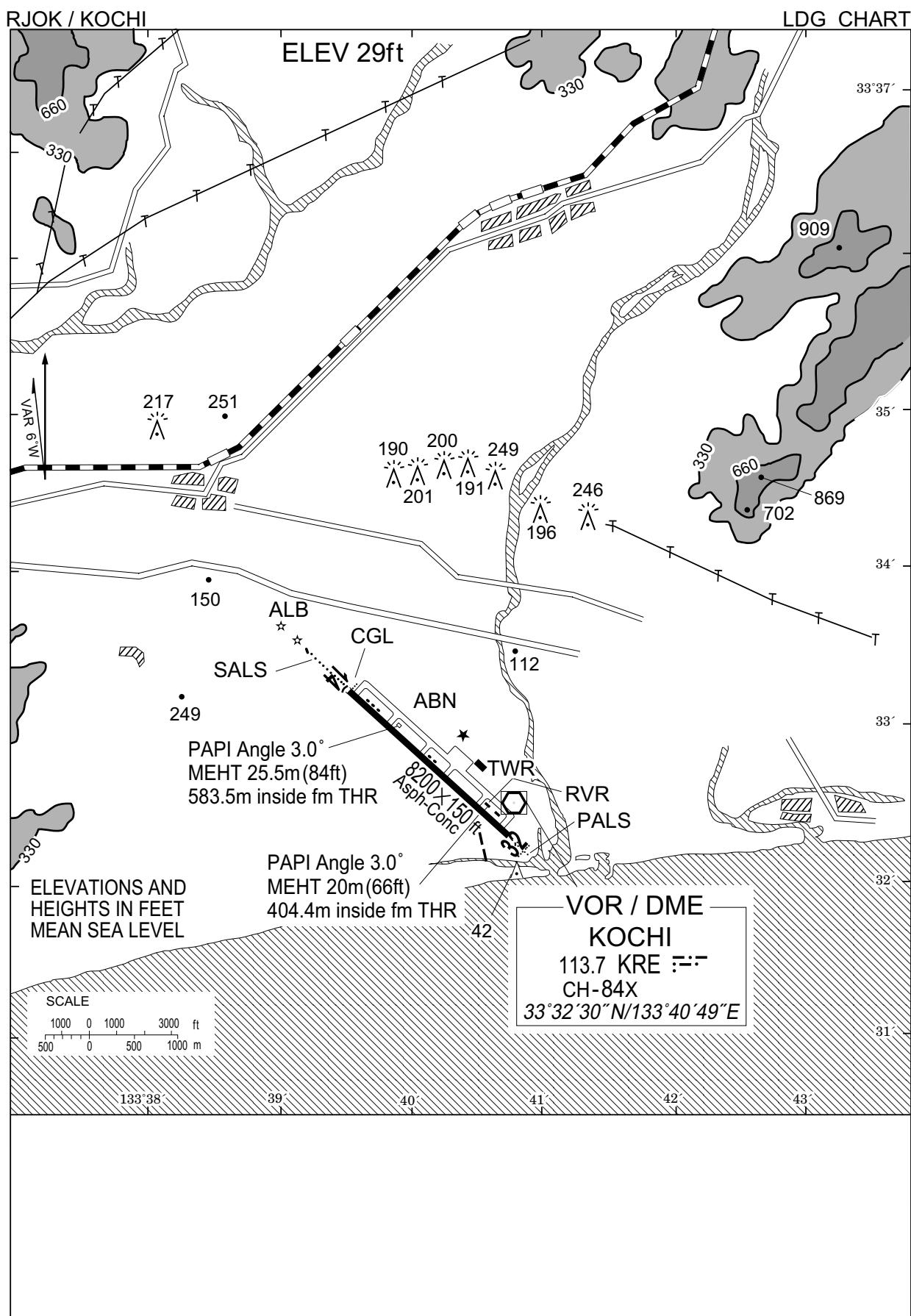
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| ANPAN | 332507.54N / 1335048.52E | OKRF2 | 333311.37N / 1333545.65E |
| KATUO | 332742.79N / 1333937.02E | | |
| TATKY | 333025.96N / 1333548.91E | | |
| OK481 | 333136.96N / 1333409.51E | | |
| OK477 | 333445.76N / 1333721.85E | | |
| RW14 | 333312.04N / 1333932.98E | | |

CHANGE : PROC course. VAR.



CHANGE : Map updated. 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

