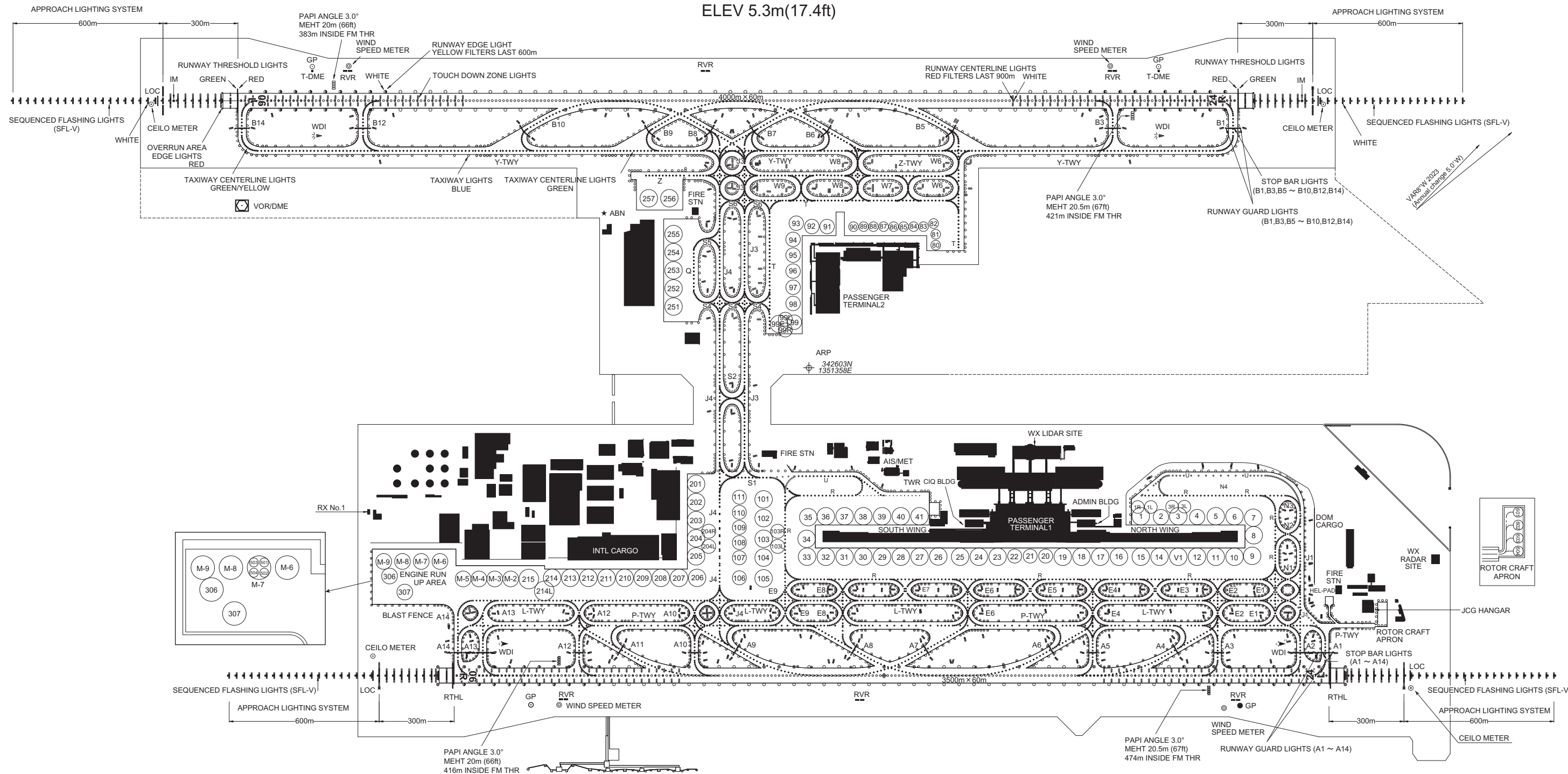


AERODROME CHART

KANSAI INTERNATIONAL AIRPORT

ELEV 5.3m(17.4ft)



CHANGE : VAR.

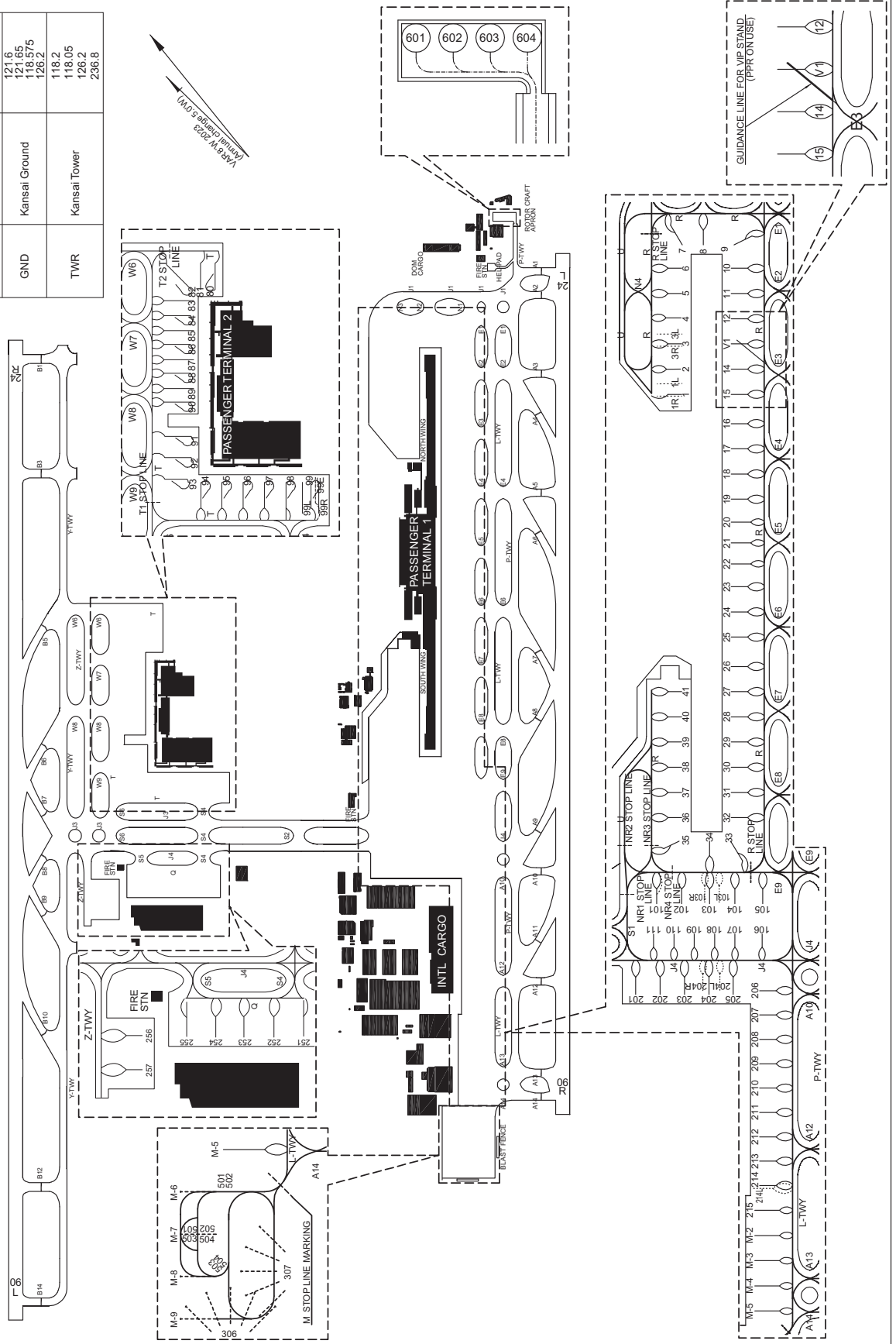
RJBB / KANSAI INTL

AD CHART

CHANGE : VAR.

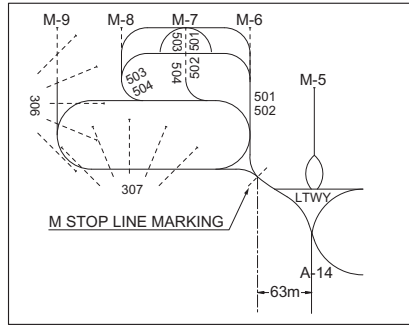
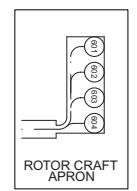
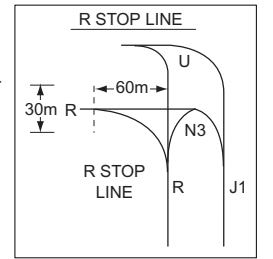
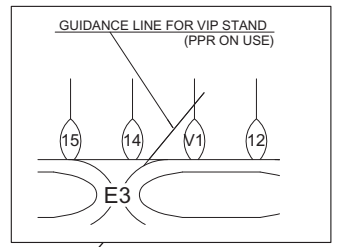
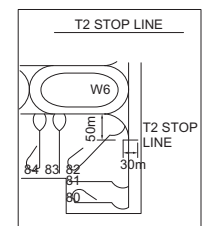
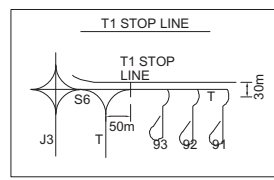
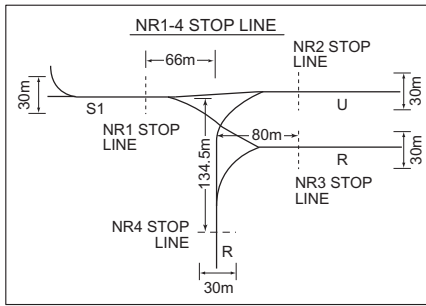
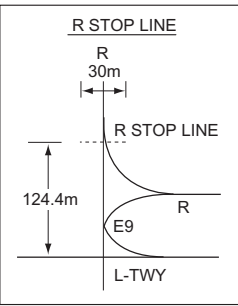
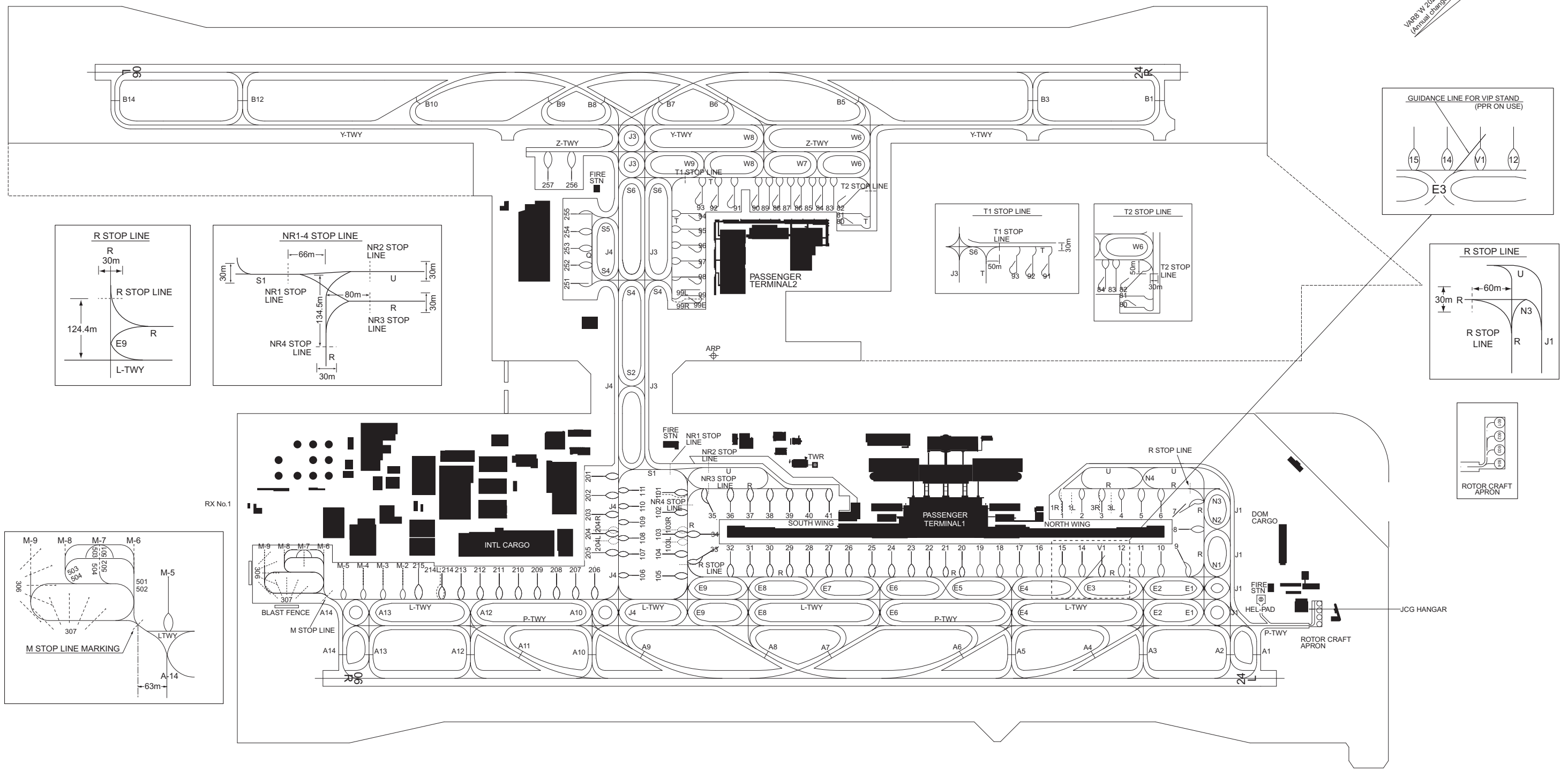
| Designation | Call Sign | Frequency (MHz) |
|-------------|---------------------|-------------------------------------|
| ATIS | Kansai INTL Airport | 127.85 |
| DLVRY | Kansai Delivery | 121.9 126.2 |
| GND | Kansai Ground | 121.6 121.65 118.575 126.2 |
| TWR | Kansai Tower | 118.2 118.05 126.2 236.8 |

KANSAI INTL AP
ELEV 5.3m(17.4ft)



TAXIING GUIDE LINES AND PARKING AREAS

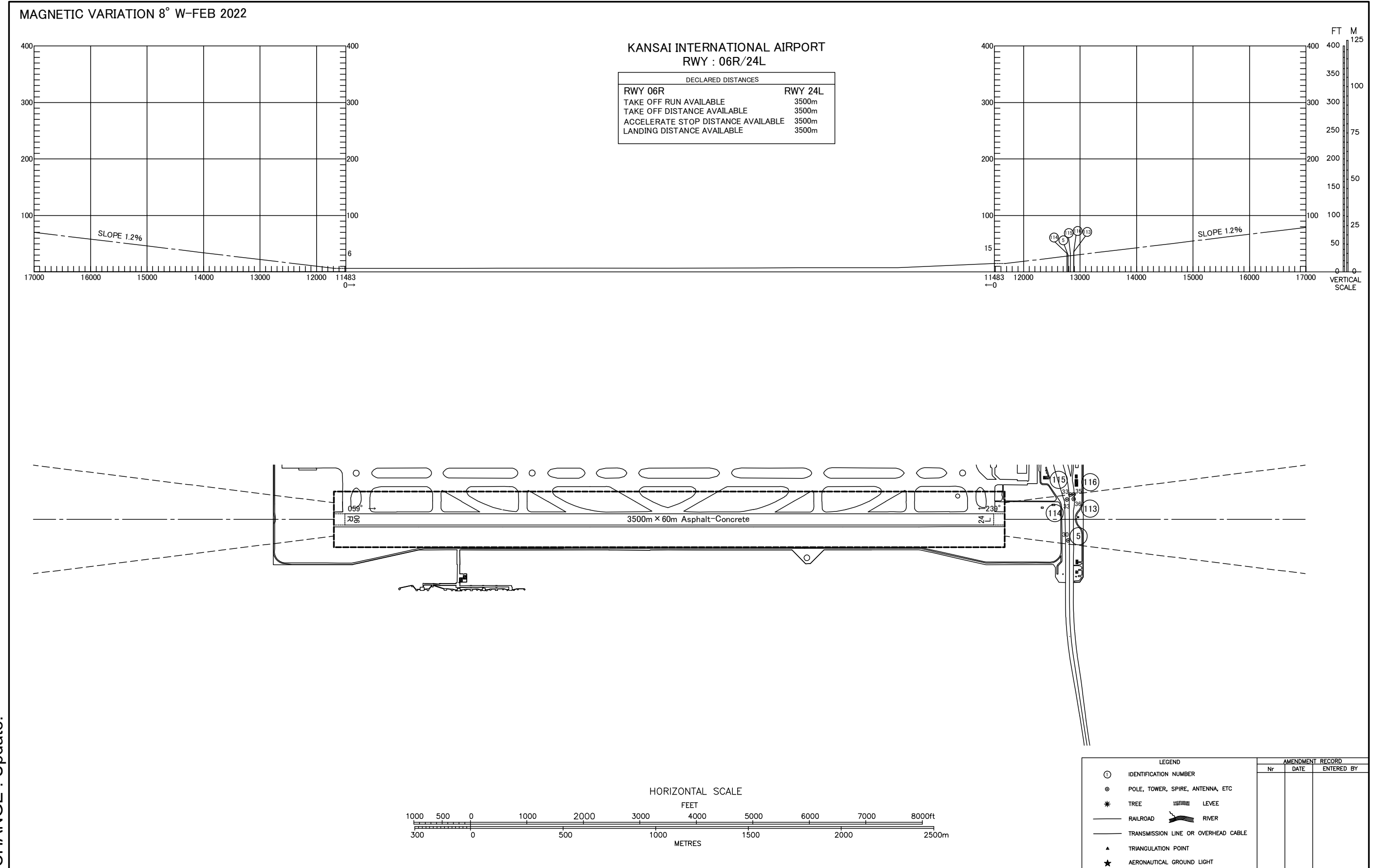
VAR: V 2023
(Annual Change: 5.0°W)



CHANGE : VAR.

AERODROME OBSTACLE CHART-ICAO TYPE A (OPERATIONAL LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

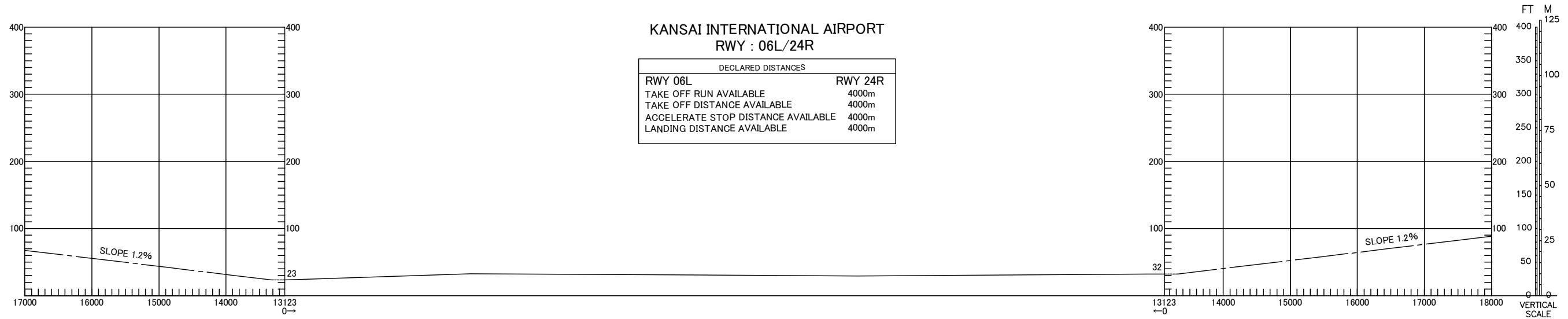


CHANGE : Update.

AERODROME OBSTACLE CHART-ICAO TYPE A (OPERATIONAL LIMITATIONS)

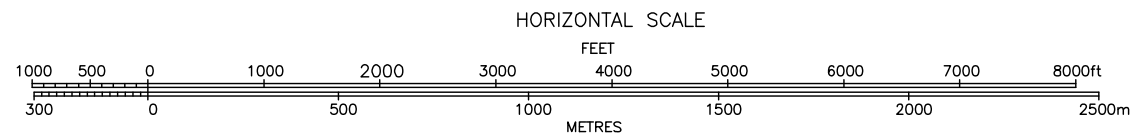
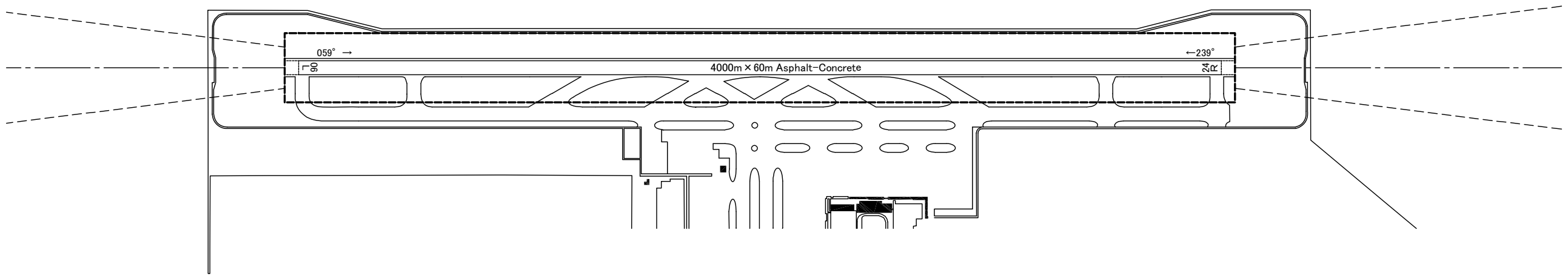
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8°W-FEB 2022



KANSAI INTERNATIONAL AIRPORT
RWY : 06L/24R

| DECLARED DISTANCES | |
|------------------------------------|---------|
| RWY 06L | RWY 24R |
| TAKE OFF RUN AVAILABLE | 4000m |
| TAKE OFF DISTANCE AVAILABLE | 4000m |
| ACCELERATE STOP DISTANCE AVAILABLE | 4000m |
| LANDING DISTANCE AVAILABLE | 4000m |



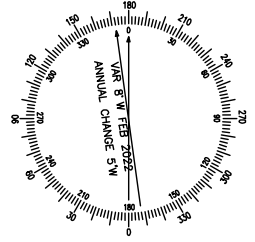
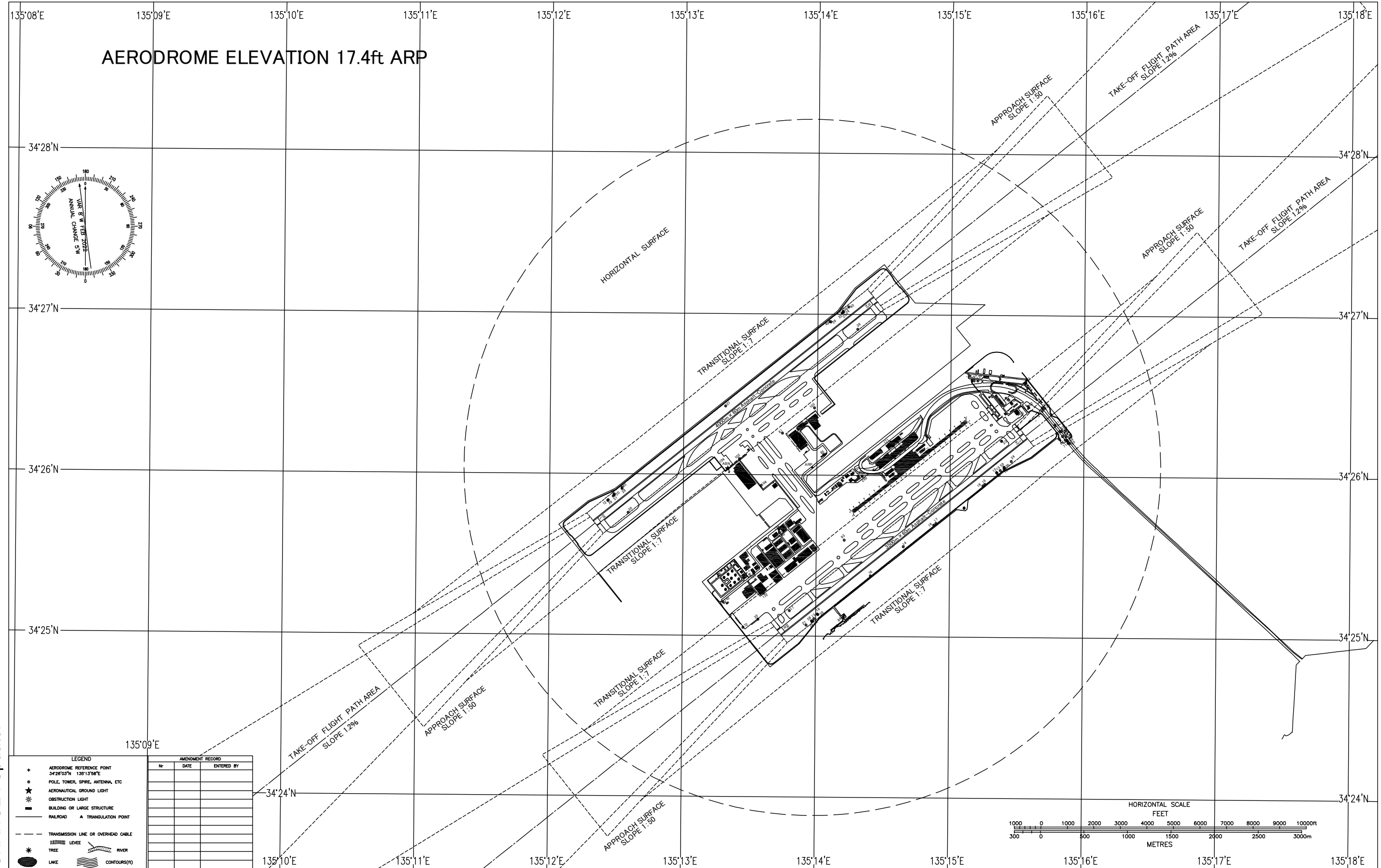
| LEGEND | | AMENDMENT RECORD | | |
|--------|-------------------------------------|------------------|------|------------|
| | IDENTIFICATION NUMBER | Nr | DATE | ENTERED BY |
| ○ | POLE, TOWER, SPIRE, ANTENNA, ETC | | | |
| * | TREE | | | |
| — | RAILROAD | | | |
| — | TRANSMISSION LINE OR OVERHEAD CABLE | | | |
| ▲ | TRIANGULATION POINT | | | |
| ★ | AERONAUTICAL GROUND LIGHT | | | |
| ▬ | LEVEE | | | |
| — | RIVER | | | |

CHANGE : Update.

AERODROME OBSTRUCTION CHART
TYPE B

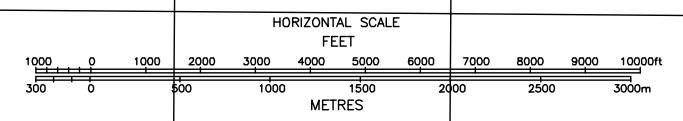
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETICS

AERODROME ELEVATION 17.4ft ARP



CHANGE : Update.

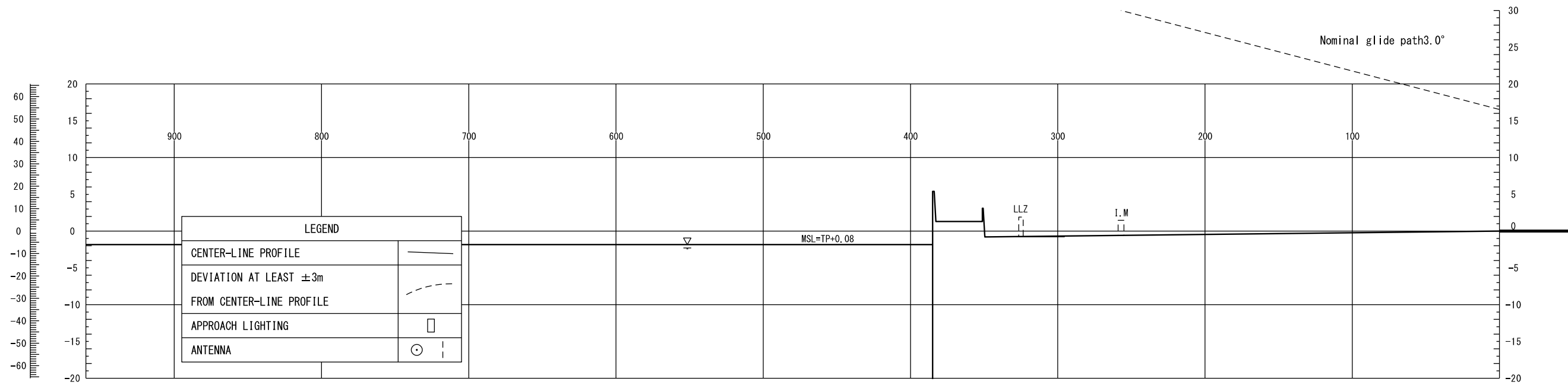
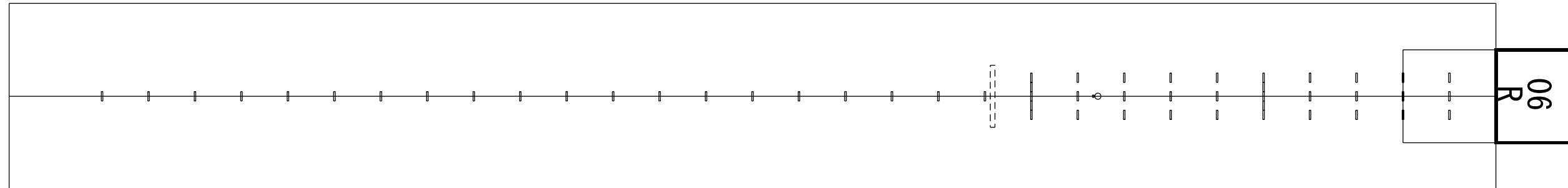
| LEGEND | | AMENDMENT RECORD | | |
|--------|---|------------------|------|------------|
| | | № | DATE | ENTERED BY |
| + | AERODROME REFERENCE POINT 34°28'03"N 135°13'58"E | | | |
| • | POLE, TOWER, SPIRE, ANTENNA, ETC | | | |
| ★ | AERONAUTICAL GROUND LIGHT | | | |
| ✱ | OBSTRUCTION LIGHT | | | |
| ■ | BUILDING OR LARGE STRUCTURE | | | |
| — | RAILROAD ▲ TRIANGULATION POINT | | | |
| --- | TRANSMISSION LINE OR OVERHEAD CABLE | | | |
| — | LEVEE | | | |
| ⊙ | TREE | | | |
| — | RIVER | | | |
| ○ | LAKE | | | |
| — | CONTOURS(1) | | | |



PRECISION APPROACH TERRAIN PROFILE CHART

DISTANCES AND HEIGHTS IN METERS

RWY 06R



Vertical scale
in feet

HORIZONTAL SCALE 1:2500

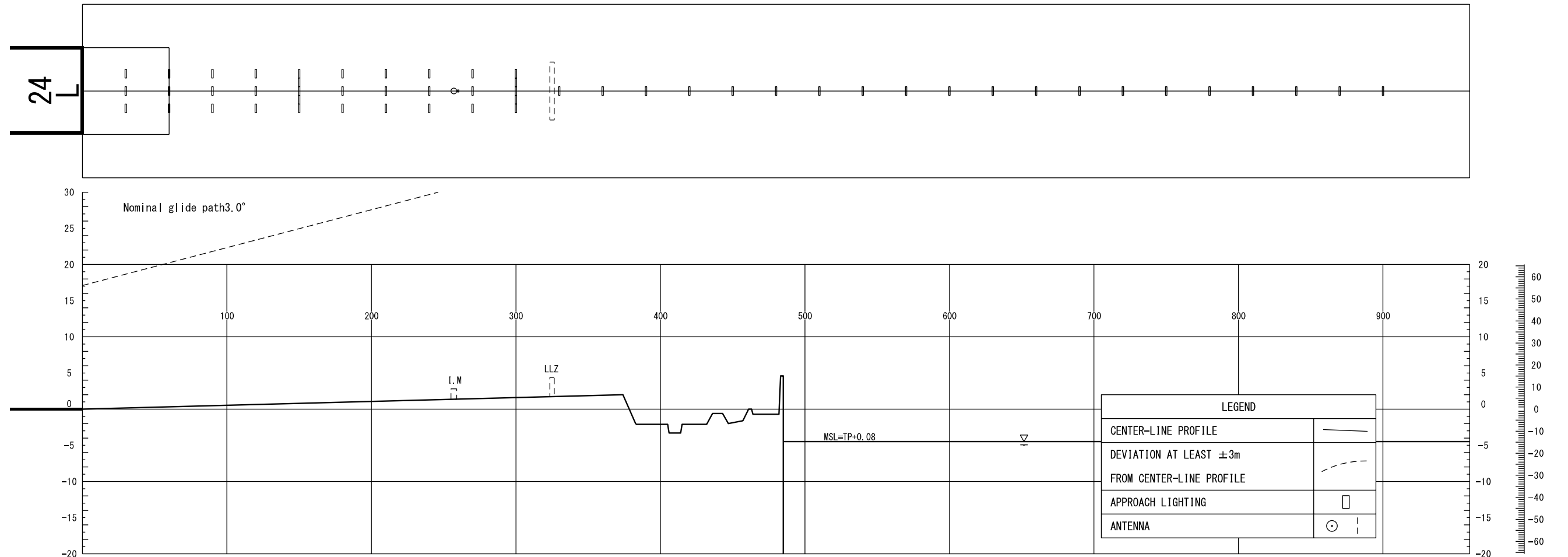
VERTICAL SCALE 1:500

CONTOUR AND HEIGHTS ARE RELATED
TO ELEVATION OF RWY THR

CHANGE : Update.

PRECISION APPROACH TERRAIN PROFILE CHART

DISTANCES AND HEIGHTS IN METERS
RWY 24L



HORIZONTAL SCALE 1:2500
VERTICAL SCALE 1:500

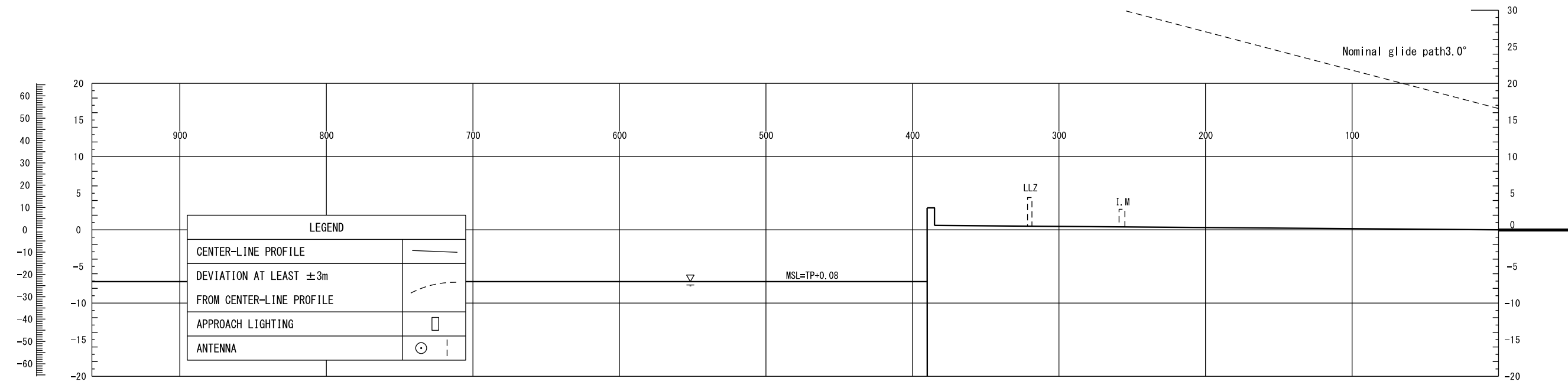
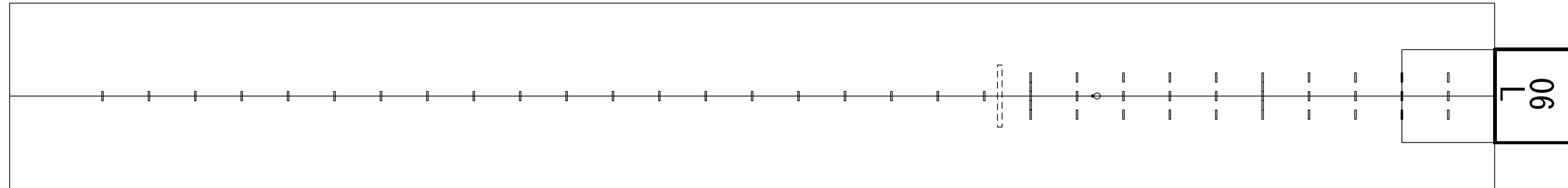
CONTOUR AND HEIGHTS ARE RELATED
TO ELEVATION OF RWY THR

Vertical scale
in feet

CHANGE : Update.

PRECISION APPROACH TERRAIN PROFILE CHART

DISTANCES AND HEIGHTS IN METERS
RWY 06L



HORIZONTAL SCALE 1:2500

VERTICAL SCALE 1:500

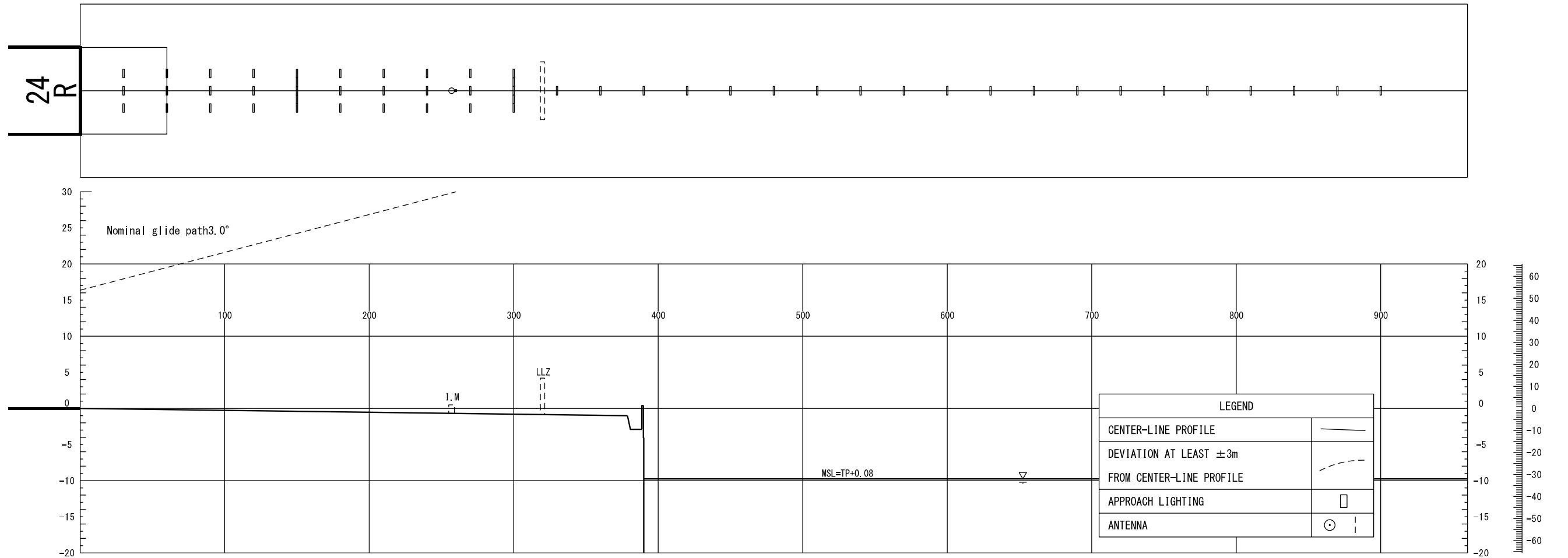
CONTOUR AND HEIGHTS ARE RELATED
TO ELEVATION OF RWY THR

CHANGE : Update.

Vertical scale
in feet

PRECISION APPROACH TERRAIN PROFILE CHART

DISTANCES AND HEIGHTS IN METERS
RWY 24R



HORIZONTAL SCALE 1:2500
VERTICAL SCALE 1:500

CONTOUR AND HEIGHTS ARE RELATED
TO ELEVATION OF RWY THR

Vertical scale
in feet

CHANGE : Update.

STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

SID

MAIKO NINE DEPARTURE

RWY06R : Climb on HDG054° to KIE 5.4DME, turn left, via KCE R167 to intercept and proceed via YOE R279 to MAIKO.

Cross KIE R049 at or above 2500FT,...

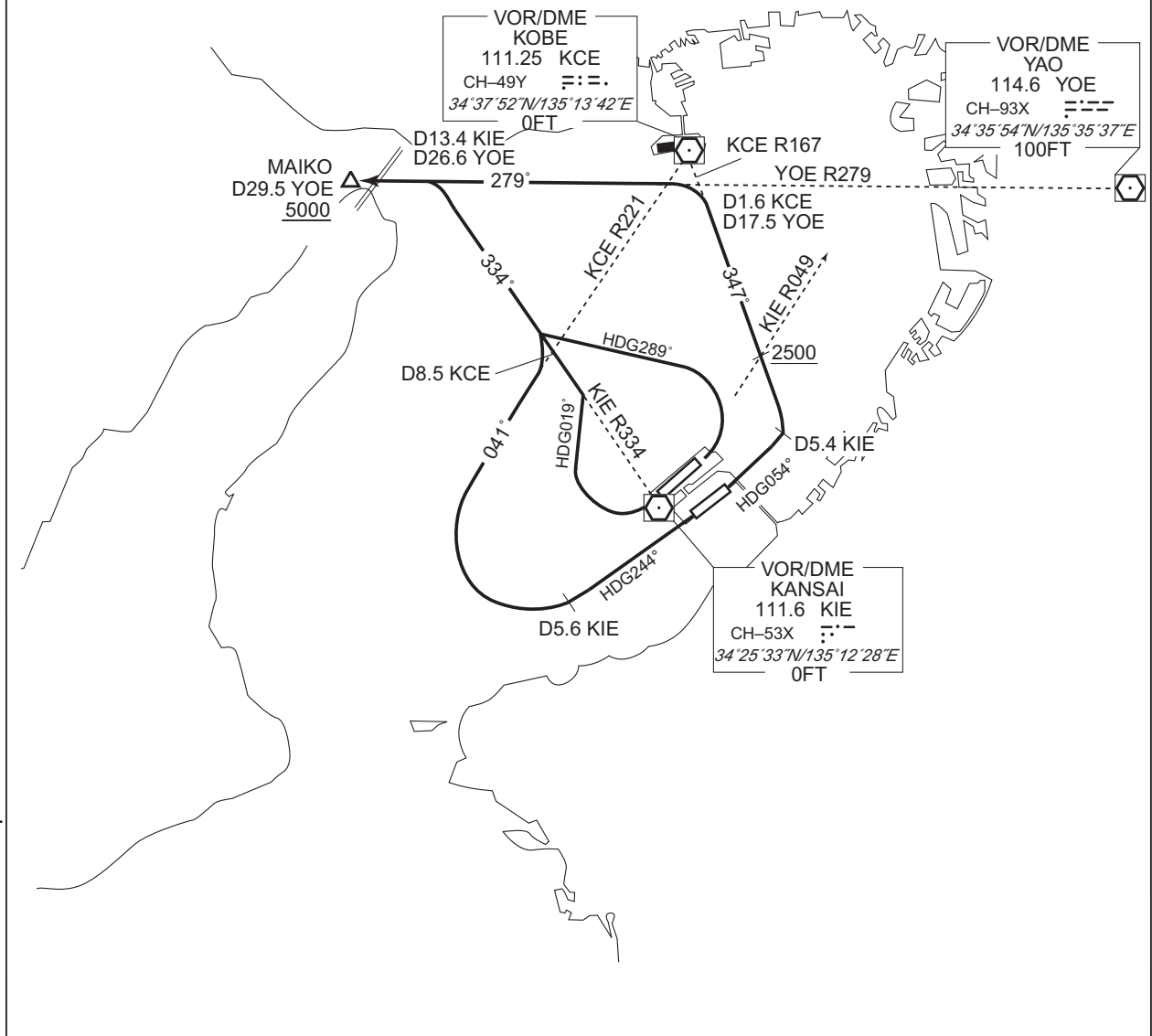
RWY06L : Turn left, climb on HDG289° to intercept and proceed via KIE R334, via YOE R279 to MAIKO,...

RWY24R : Turn right, climb on HDG019° to intercept and proceed via KIE R334, via YOE R279 to MAIKO,...

RWY24L : Climb on HDG244° to KIE 5.6DME, turn right, via KCE R221 to intercept and proceed via KIE R334, via YOE R279 to MAIKO,...

...cross MAIKO at or above 5000FT.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

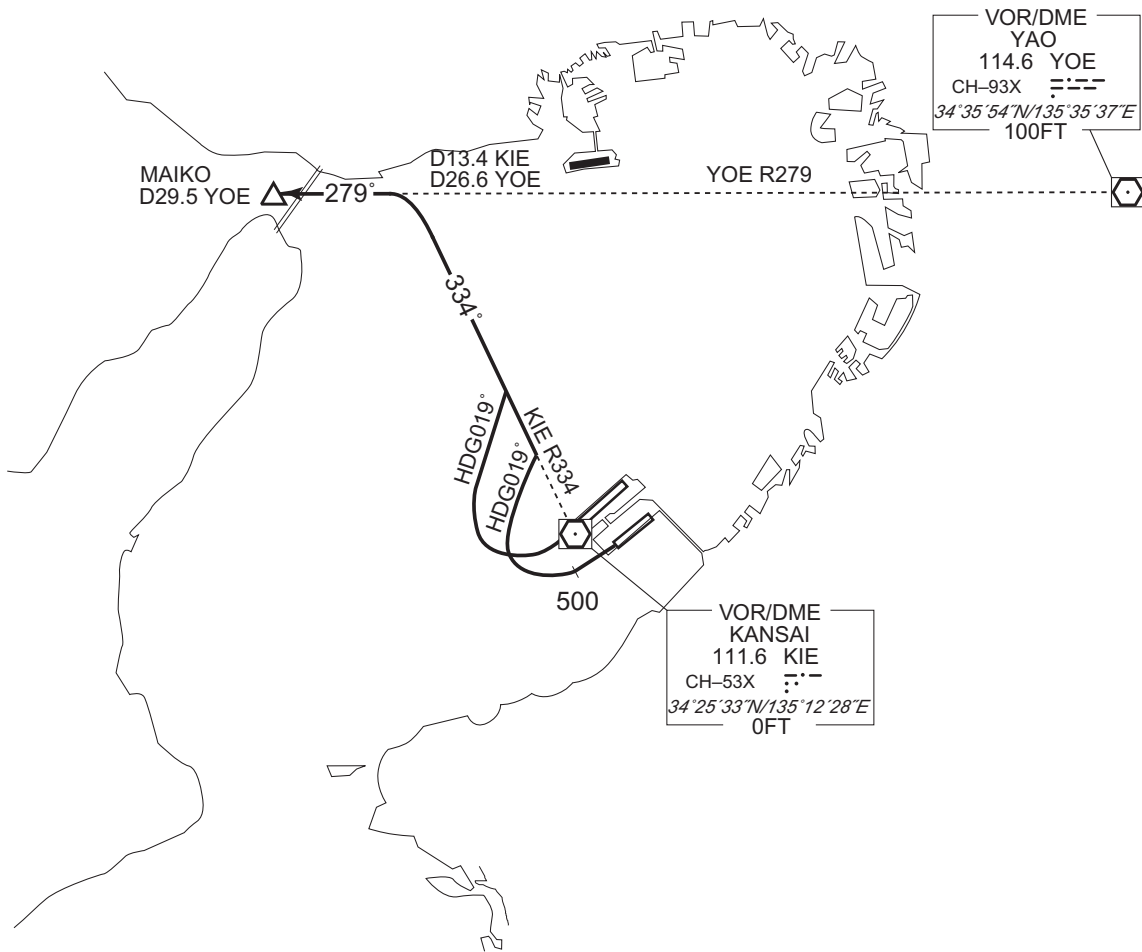
SID

FERRY SIX DEPARTURE

RWY24R : Turn right, climb on HDG019° to intercept and proceed via KIE R334, via YOE R279 to MAIKO.

RWY24L : Climb RWY HDG to 500FT, turn right HDG019° to intercept and proceed via KIE R334, via YOE R279 to MAIKO.

Note RWY24L : No turn before DER.



CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

TRANSITION

MIYAZU TRANSITION

From over MAIKO, proceed via KCE R272 to KAWAT, via TSC R001 to CHIZU via AYAYA, via YME R236 to YME VOR/DME.
Cross KAWAT at or above 8000FT.

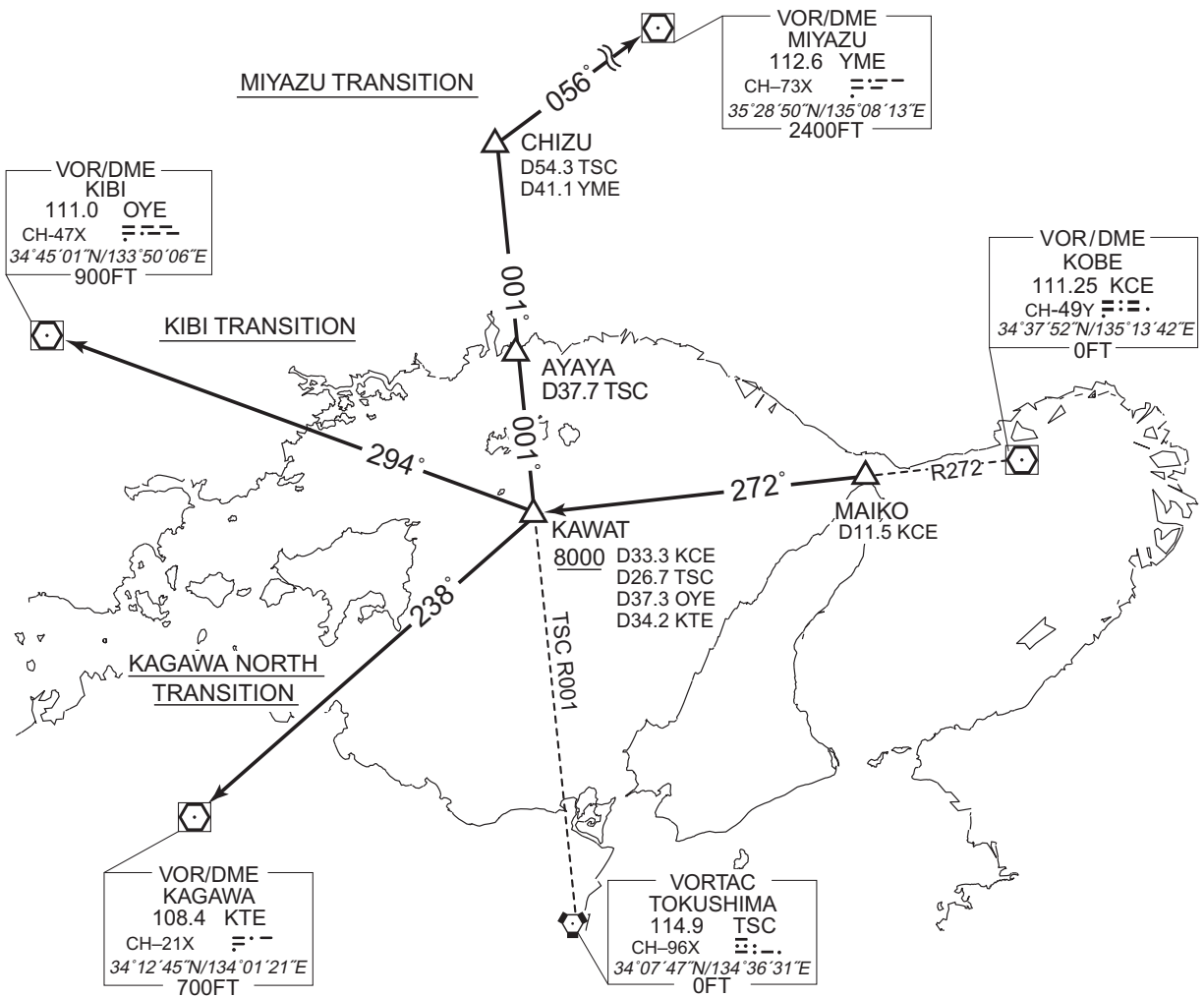
KIBI TRANSITION

From over MAIKO, proceed via KCE R272 to KAWAT, via OYE R114 to OYE VOR/DME.
Cross KAWAT at or above 8000FT.

KAGAWA NORTH TRANSITION

From over MAIKO, proceed via KCE R272 to KAWAT, via KTE R058 to KTE VOR/DME.
Cross KAWAT at or above 8000FT.

CHANGE : Radial FM KCE. AYAYA established.



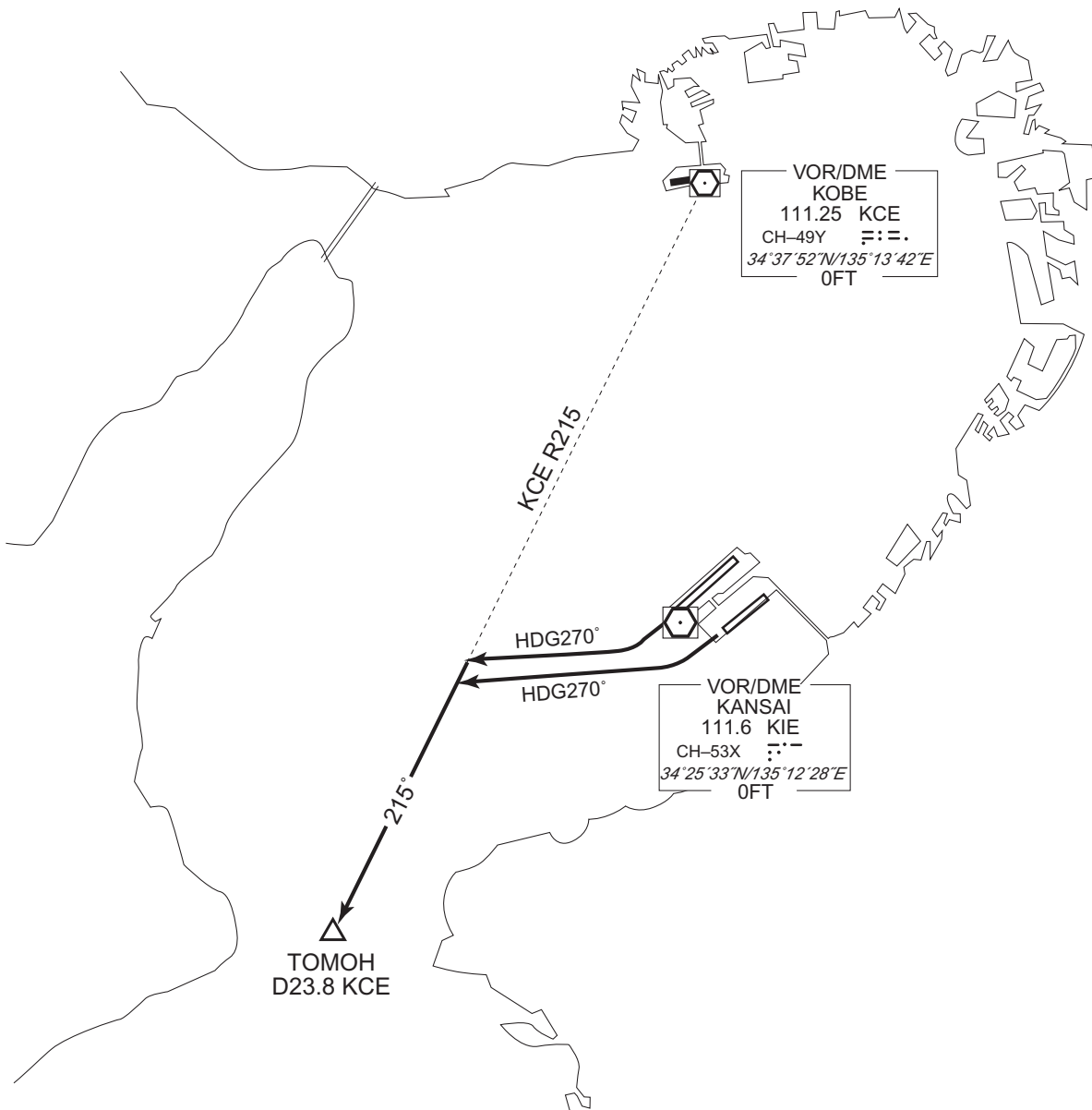
STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

SID

TOMOH WEST ONE DEPARTURE

RWY24R/L : Turn right, climb on HDG270° to intercept and proceed via KCE R215 to TOMOH.



CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

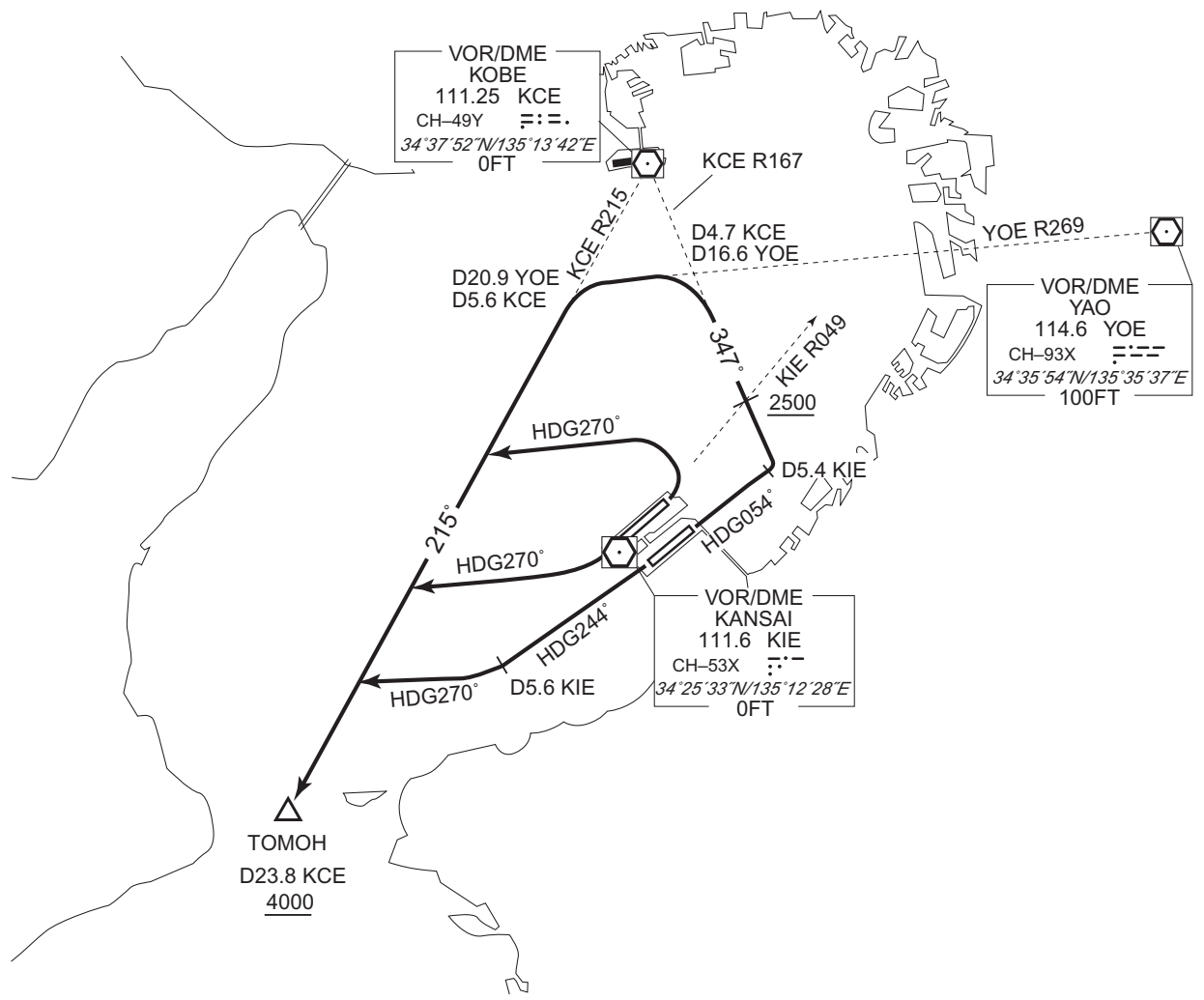
SID

TOMOH THREE DEPARTURE

- RWY06R : Climb on HDG054° to KIE 5.4DME, turn left, via KCE R167 to intercept and proceed via YOE R269, via KCE R215 to TOMOH.
Cross KIE R049 at or above 2500FT. ...
- RWY06L : Turn left, climb on HDG270° to intercept and proceed via KCE R215 to TOMOH. ...
- RWY24R : Turn right, climb on HDG270° to intercept and proceed via KCE R215 to TOMOH. ...
- RWY24L : Climb on HDG244° to KIE 5.6DME, turn right HDG270° to intercept and proceed via KCE R215 to TOMOH. ...

...Cross TOMOH at or above 4000FT.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

TRANSITION

KOCHI SOUTH TRANSITION

From over TOMOH, proceed via KIE R237 to DIODE, via KRE R068 to KRE VOR/DME.

Cross DIODE at or above FL140.

KUSHIMOTO TRANSITION

From over TOMOH, proceed via KCE R215 to intercept and proceed via TSC R124 to GOBOH, via KEC R316 to KEC VORTAC.

Cross GOBOH at or above 6000FT.

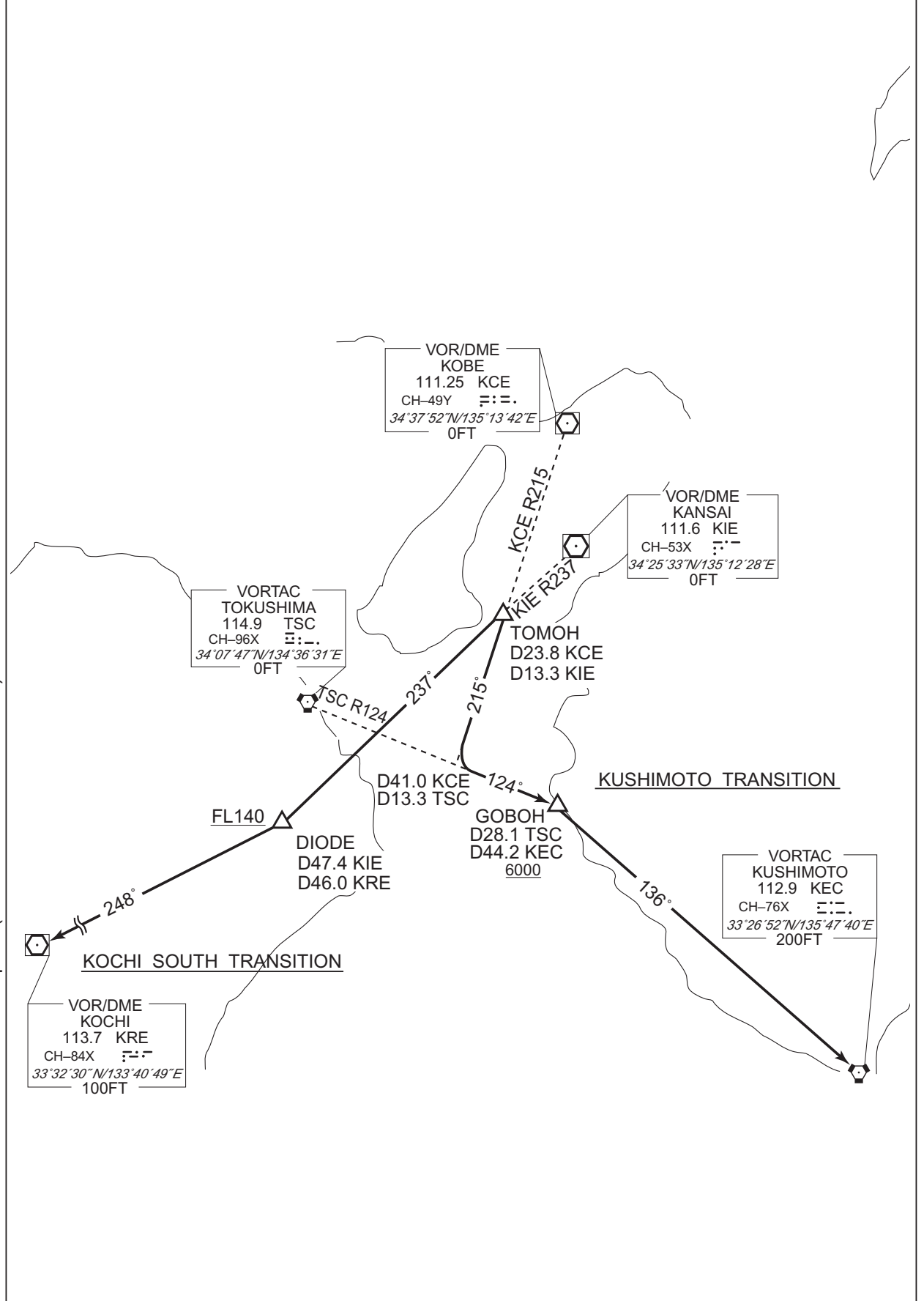
CHANGE : KOCHI SOUTH TRANSITION. KANSAI VOR/DME updated(KNE→KIE).

STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

TRANSITION

CHANGE : Correction of misdescription(ALT restriction at DIODE).



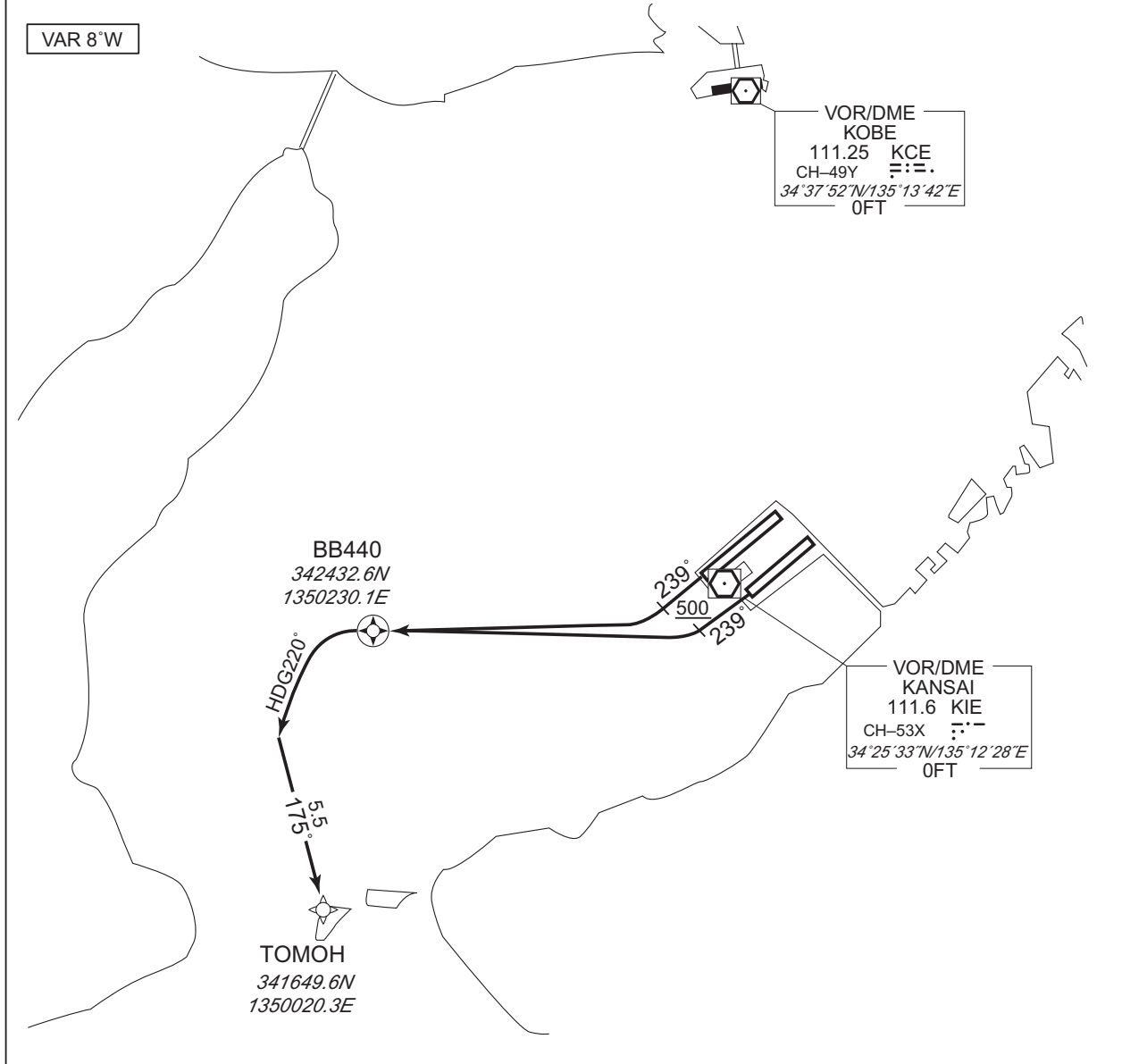
STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

| | |
|---------------------|-------|
| KITAN TWO DEPARTURE | RNAV1 |
|---------------------|-------|

| | | |
|--|------------------------|---|
| 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 | - |
| | DME GAP | - |
| | Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |



CHANGE : Description of VAR and PROC name.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to BB440, turn left HDG220°, to TOMOH on course 175°.

RWY24L : Climb on HDG239° at or above 500FT, turn right direct to BB440, turn left HDG220°, to TOMOH on course 175°.

Note RWY24L : No turn before DER.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

KITAN TWO DEPARTURE

RWY24R

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | BB440 | Y | - | -7.9 | - | R | - | - | - | RNAV1 |
| 003 | VI | - | - | 220 (211.8) | -7.9 | - | L | - | - | - | RNAV1 |
| 004 | CF | TOMOH | - | 175 (166.8) | -7.9 | 5.5 | - | - | - | - | RNAV1 |

RWY24L

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | BB440 | Y | - | -7.9 | - | R | - | - | - | RNAV1 |
| 003 | VI | - | - | 220 (211.8) | -7.9 | - | L | - | - | - | RNAV1 |
| 004 | CF | TOMOH | - | 175 (166.8) | -7.9 | 5.5 | - | - | - | - | RNAV1 |

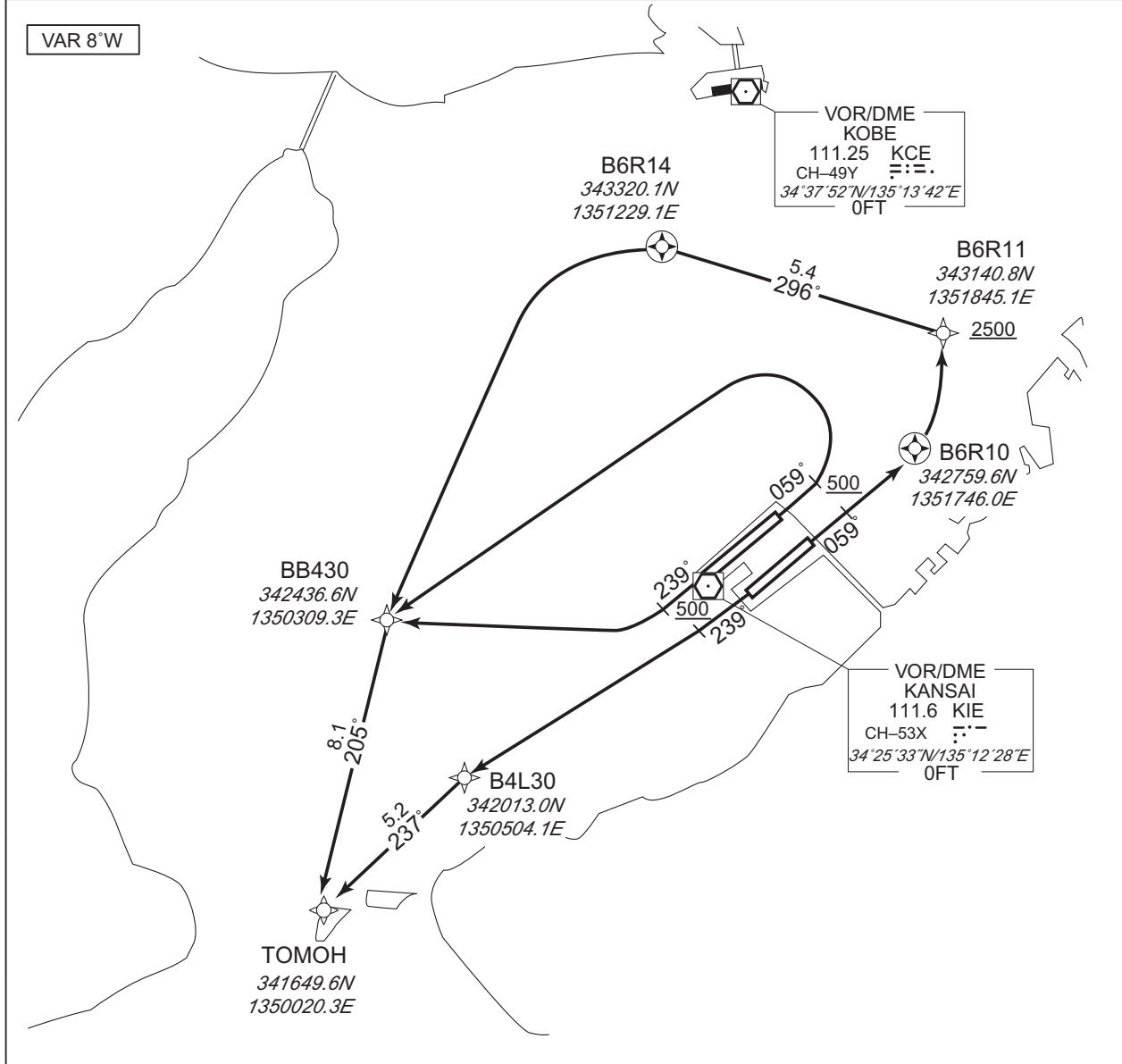
CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

| SUSAN TWO DEPARTURE | | RNAV1 |
|--|------------------------|---|
| 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 | — |
| | DME GAP | — |
| | Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |



CHANGE : Description of VAR and PROC name.

RWY06R : Climb on HDG059° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to B6R14, turn left direct to BB430, to TOMOH.

RWY06L : Climb on HDG059° at or above 500FT, turn left direct to BB430, to TOMOH.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to BB430, to TOMOH.

RWY24L : Climb on HDG239° at or above 500FT, direct to B4L30, to TOMOH.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

SUSAN TWO DEPARTURE

RWY06R

| 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 | - | - | 059 (050.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B6R10 | Y | - | -7.9 | - | - | - | - | - | RNAV1 |
| 003 | DF | B6R11 | - | - | -7.9 | - | L | +2500 | - | - | RNAV1 |
| 004 | TF | B6R14 | Y | 296 (287.8) | -7.9 | 5.4 | - | - | - | - | RNAV1 |
| 005 | DF | BB430 | - | - | -7.9 | - | L | - | - | - | RNAV1 |
| 006 | TF | TOMOH | - | 205 (196.6) | -7.9 | 8.1 | - | - | - | - | RNAV1 |

RWY06L

| 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 | - | - | 059 (050.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | BB430 | - | - | -7.9 | - | L | - | - | - | RNAV1 |
| 003 | TF | TOMOH | - | 205 (196.6) | -7.9 | 8.1 | - | - | - | - | RNAV1 |

RWY24R

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | BB430 | - | - | -7.9 | - | R | - | - | - | RNAV1 |
| 003 | TF | TOMOH | - | 205 (196.6) | -7.9 | 8.1 | - | - | - | - | RNAV1 |

RWY24L

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B4L30 | - | - | -7.9 | - | - | - | - | - | RNAV1 |
| 003 | TF | TOMOH | - | 237 (229.1) | -7.9 | 5.2 | - | - | - | - | RNAV1 |

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

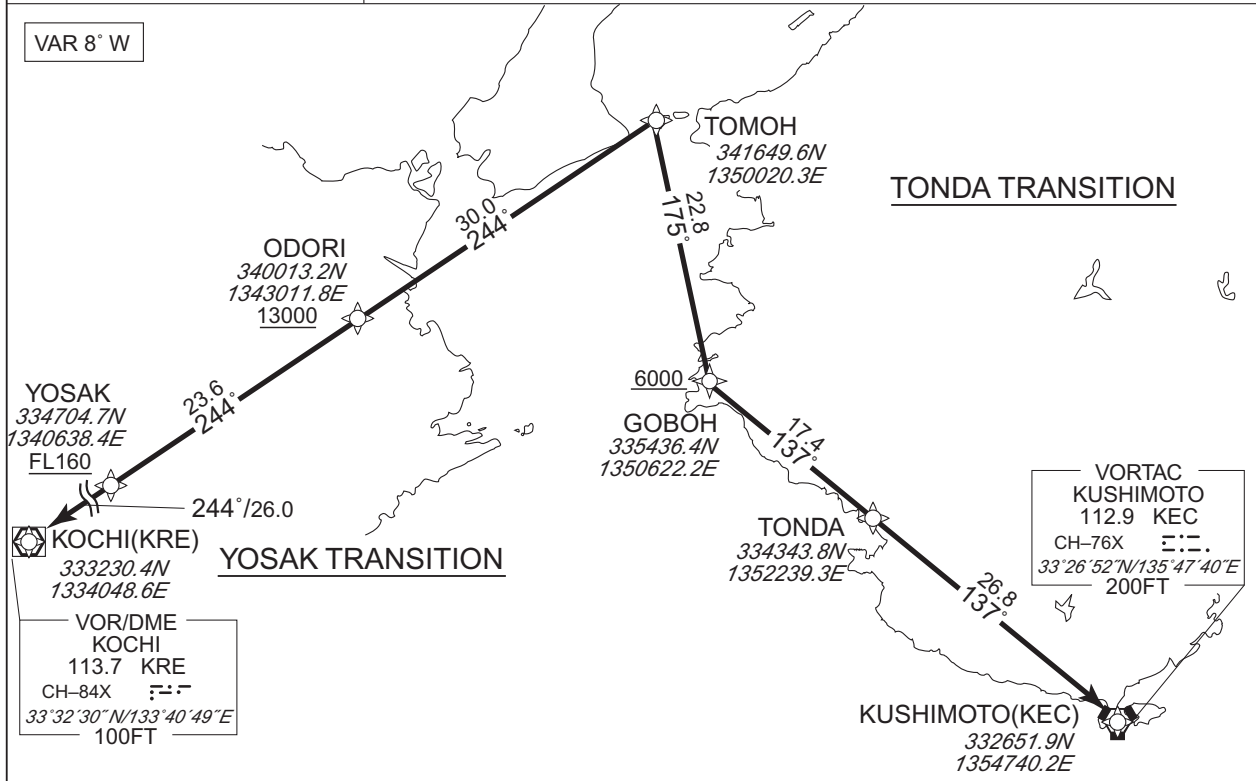
RNAV TRANSITION

| | |
|-------------------------------------|-------|
| TONDA TRANSITION / YOSAK TRANSITION | RNAV1 |
|-------------------------------------|-------|

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

Inappropriate Nav aids

See AD1.1.6.10.3. Inappropriate NAV AIDs for RNAV1



TONDA TRANSITION

From TOMOH, to GOBOH at or above 6000FT, to TONDA, to KEC.

| | |
|--------------|---|
| Critical DME | YME : TOMOH - 20.0NM to GOBOH GBD : 10.0NM to GOBOH - 4.0NM to GOBOH |
| DME GAP | 3.0NM to GOBOH - 10.0NM to TONDA 7.0NM to KEC - KEC |

CHANGE : Description of VAR.

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | TOMOH | - | - | -7.9 | - | - | - | - | - | RNAV1 |
| 002 | TF | GOBOH | - | 175 (167.3) | -7.9 | 22.8 | - | +6000 | - | - | RNAV1 |
| 003 | TF | TONDA | - | 137 (128.7) | -7.9 | 17.4 | - | - | - | - | RNAV1 |
| 004 | TF | KEC | - | 137 (128.9) | -7.9 | 26.8 | - | - | - | - | RNAV1 |

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

YOSAK TRANSITION

From TOMOH, to ODORI at or above 13000FT, to YOSAK at or above FL160, to KRE.

| | |
|--------------|---|
| Critical DME | — |
| DME GAP | — |

| 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 | TOMOH | — | — | -7.9 | — | — | — | — | — | RNAV1 |
| 002 | TF | ODORI | — | 244 (236.5) | -7.9 | 30.0 | — | +13000 | — | — | RNAV1 |
| 003 | TF | YOSAK | — | 244 (236.2) | -7.9 | 23.6 | — | +FL160 | — | — | RNAV1 |
| 004 | TF | KRE | — | 244 (236.0) | -7.9 | 26.0 | — | — | — | — | RNAV1 |

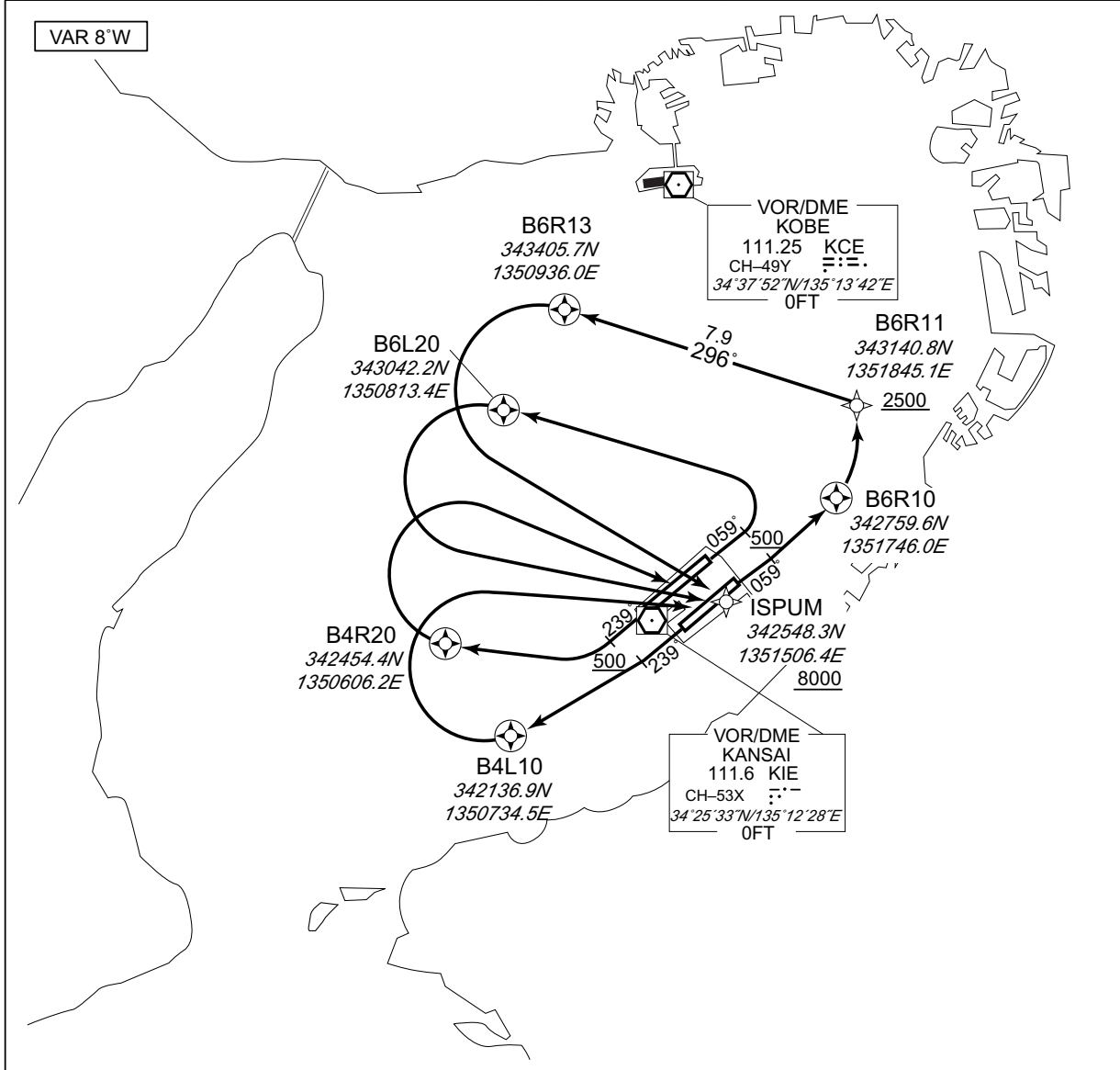
CHANGE : VAR.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

| ISPUM ONE DEPARTURE | | RNAV1 |
|--|-----------------------|---|
| 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 | - |
| | DME GAP | - |
| | Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |



CHANGE : Description of VAR and PROC name.

RWY06R : Climb on HDG059° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to B6R13, turn left direct to ISPUM at or above 8000FT.

RWY06L : Climb on HDG059° at or above 500FT, turn left direct to B6L20, turn left direct to ISPUM at or above 8000FT.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to B4R20, turn right direct to ISPUM at or above 8000FT.

RWY24L : Climb on HDG239° at or above 500FT, direct to B4L10, turn right direct to ISPUM at or above 8000FT.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

ISPUM ONE DEPARTURE

RWY06R

| 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 | - | - | 059 (050.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B6R10 | Y | - | -7.9 | - | - | - | - | - | RNAV1 |
| 003 | DF | B6R11 | - | - | -7.9 | - | L | +2500 | - | - | RNAV1 |
| 004 | TF | B6R13 | Y | 296 (287.8) | -7.9 | 7.9 | - | - | - | - | RNAV1 |
| 005 | DF | ISPUM | - | - | -7.9 | - | L | +8000 | - | - | RNAV1 |

RWY06L

| 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 | - | - | 059 (050.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B6L20 | Y | - | -7.9 | - | L | - | - | - | RNAV1 |
| 003 | DF | ISPUM | - | - | -7.9 | - | L | +8000 | - | - | RNAV1 |

RWY24R

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B4R20 | Y | - | -7.9 | - | R | - | - | - | RNAV1 |
| 003 | DF | ISPUM | - | - | -7.9 | - | R | +8000 | - | - | RNAV1 |

RWY24L

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B4L10 | Y | - | -7.9 | - | - | - | - | - | RNAV1 |
| 003 | DF | ISPUM | - | - | -7.9 | - | R | +8000 | - | - | RNAV1 |

CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

| BAMBI TRANSITION / SHTLE TRANSITION / UENOH TRANSITION | RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---------------------|----------------|--------------------|--------------------|----------------|----------------|---------------|----------------|--------------------------|--------------------------|-----|----|-------|---|---|------|---|---|---|---|---|-------|-----|----|-------|---|----------------|------|------|---|---|---|---|-------|-----|----|-------|---|----------------|------|------|---|---|---|---|-------|-----|----|-------|---|----------------|------|------|---|---|---|---|-------|--|
| Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 10px;">VAR 8° W</div> <div style="margin-top: 10px;"> <p>VOR/DME KANSAI 111.6 KIE CH-53X 34°25'33"N/135°12'28"E 0FT</p> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>BAMBI TRANSITION From ISPUM, to NARAH.</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Critical DME</td> <td style="width:50%; text-align:center;">-</td> </tr> <tr> <td>DME GAP</td> <td style="text-align:center;">-</td> </tr> </table> | Critical DME | - | DME GAP | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical DME | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DME GAP | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Serial Number</th> <th>Path Descriptor</th> <th>Waypoint Identifier</th> <th>Fly Over</th> <th>Course °M(°T)</th> <th>Magnetic Variation</th> <th>Distance (NM)</th> <th>Turn Direction</th> <th>Altitude (FT)</th> <th>Speed (KIAS)</th> <th>Vertical Angle</th> <th>Navigation Specification</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>IF</td> <td>ISPUM</td> <td>-</td> <td>-</td> <td>-7.9</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>002</td> <td>TF</td> <td>NARAH</td> <td>-</td> <td>087 (078.8)</td> <td>-7.9</td> <td>21.8</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> </tbody> </table> | 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 | ISPUM | - | - | -7.9 | - | - | - | - | - | RNAV1 | 002 | TF | NARAH | - | 087 (078.8) | -7.9 | 21.8 | - | - | - | - | 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 | ISPUM | - | - | -7.9 | - | - | - | - | - | RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 002 | TF | NARAH | - | 087 (078.8) | -7.9 | 21.8 | - | - | - | - | RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>SHTLE TRANSITION From ISPUM, to NARAH, to YAGYU, to SHTLE.</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Critical DME</td> <td style="width:50%; text-align:center;">-</td> </tr> <tr> <td>DME GAP</td> <td style="text-align:center;">-</td> </tr> </table> | Critical DME | - | DME GAP | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical DME | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DME GAP | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Serial Number</th> <th>Path Descriptor</th> <th>Waypoint Identifier</th> <th>Fly Over</th> <th>Course °M(°T)</th> <th>Magnetic Variation</th> <th>Distance (NM)</th> <th>Turn Direction</th> <th>Altitude (FT)</th> <th>Speed (KIAS)</th> <th>Vertical Angle</th> <th>Navigation Specification</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>IF</td> <td>ISPUM</td> <td>-</td> <td>-</td> <td>-7.9</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>002</td> <td>TF</td> <td>NARAH</td> <td>-</td> <td>087 (078.8)</td> <td>-7.9</td> <td>21.8</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>003</td> <td>TF</td> <td>YAGYU</td> <td>-</td> <td>087 (078.8)</td> <td>-7.9</td> <td>13.9</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>004</td> <td>TF</td> <td>SHTLE</td> <td>-</td> <td>078 (070.3)</td> <td>-7.9</td> <td>51.7</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> </tbody> </table> | 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 | ISPUM | - | - | -7.9 | - | - | - | - | - | RNAV1 | 002 | TF | NARAH | - | 087 (078.8) | -7.9 | 21.8 | - | - | - | - | RNAV1 | 003 | TF | YAGYU | - | 087 (078.8) | -7.9 | 13.9 | - | - | - | - | RNAV1 | 004 | TF | SHTLE | - | 078 (070.3) | -7.9 | 51.7 | - | - | - | - | 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 | ISPUM | - | - | -7.9 | - | - | - | - | - | RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 002 | TF | NARAH | - | 087 (078.8) | -7.9 | 21.8 | - | - | - | - | RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 003 | TF | YAGYU | - | 087 (078.8) | -7.9 | 13.9 | - | - | - | - | RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 004 | TF | SHTLE | - | 078 (070.3) | -7.9 | 51.7 | - | - | - | - | RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>UENOH TRANSITION From ISPUM, to NARAH, to UENOH, to GUJYO.</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Critical DME</td> <td style="width:50%;">KCC : 32.0NM to GUJYO - 24.0NM to GUJYO</td> </tr> <tr> <td>DME GAP</td> <td style="text-align:center;">-</td> </tr> </table> | Critical DME | KCC : 32.0NM to GUJYO - 24.0NM to GUJYO | DME GAP | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical DME | KCC : 32.0NM to GUJYO - 24.0NM to GUJYO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DME GAP | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Serial Number</th> <th>Path Descriptor</th> <th>Waypoint Identifier</th> <th>Fly Over</th> <th>Course °M(°T)</th> <th>Magnetic Variation</th> <th>Distance (NM)</th> <th>Turn Direction</th> <th>Altitude (FT)</th> <th>Speed (KIAS)</th> <th>Vertical Angle</th> <th>Navigation Specification</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>IF</td> <td>ISPUM</td> <td>-</td> <td>-</td> <td>-7.9</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>002</td> <td>TF</td> <td>NARAH</td> <td>-</td> <td>087 (078.8)</td> <td>-7.9</td> <td>21.8</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>003</td> <td>TF</td> <td>UENOH</td> <td>-</td> <td>061 (052.8)</td> <td>-7.9</td> <td>33.5</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>004</td> <td>TF</td> <td>GUJYO</td> <td>-</td> <td>036 (028.5)</td> <td>-7.9</td> <td>36.1</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> </tbody> </table> | 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 | ISPUM | - | - | -7.9 | - | - | - | - | - | RNAV1 | 002 | TF | NARAH | - | 087 (078.8) | -7.9 | 21.8 | - | - | - | - | RNAV1 | 003 | TF | UENOH | - | 061 (052.8) | -7.9 | 33.5 | - | - | - | - | RNAV1 | 004 | TF | GUJYO | - | 036 (028.5) | -7.9 | 36.1 | - | - | - | - | 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 | ISPUM | - | - | -7.9 | - | - | - | - | - | RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 002 | TF | NARAH | - | 087 (078.8) | -7.9 | 21.8 | - | - | - | - | RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 003 | TF | UENOH | - | 061 (052.8) | -7.9 | 33.5 | - | - | - | - | RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 004 | TF | GUJYO | - | 036 (028.5) | -7.9 | 36.1 | - | - | - | - | RNAV1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CHANGE : Description of VAR.

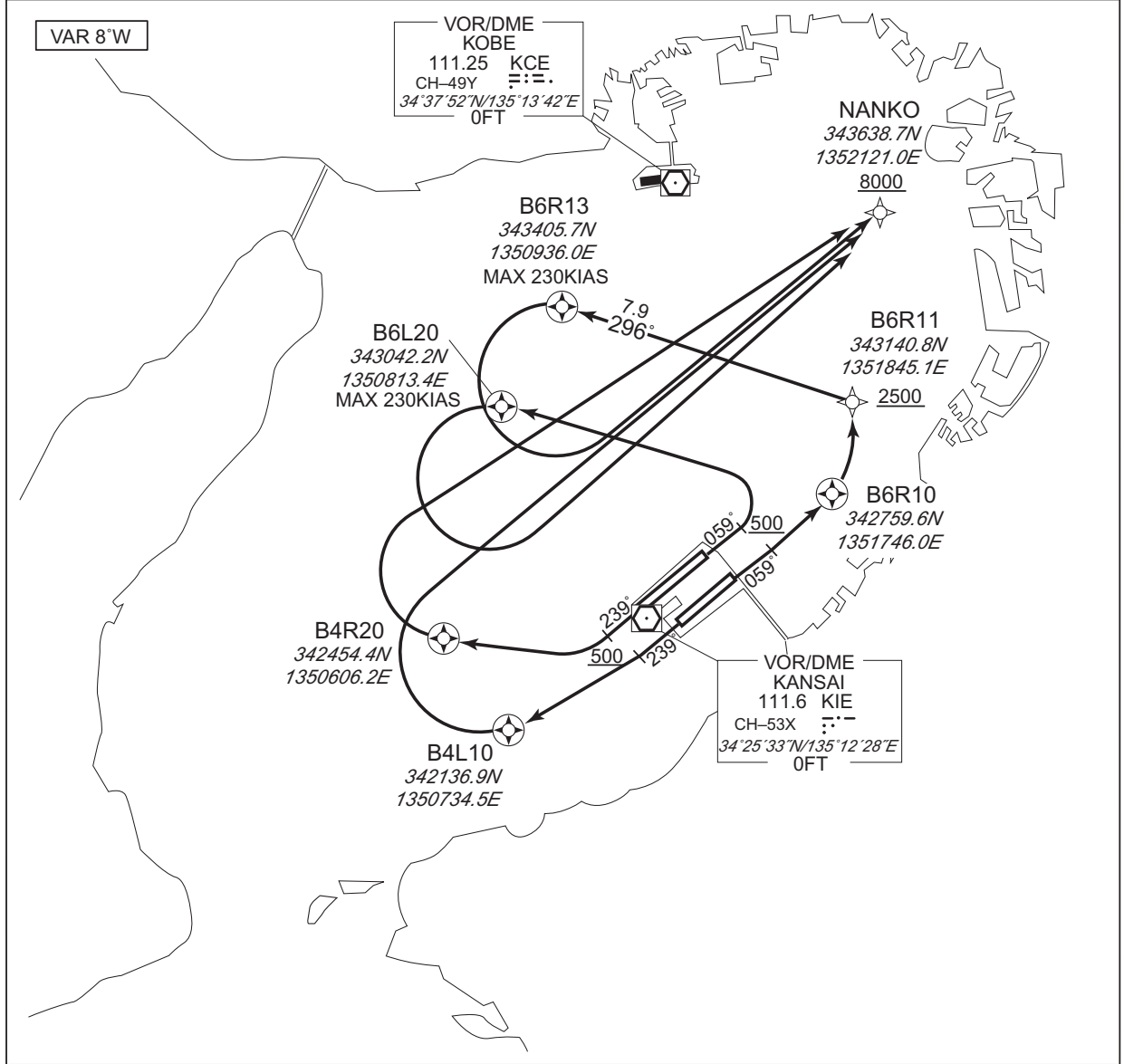
STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

| NANKO TWO DEPARTURE | | RNAV1 |
|---------------------|--|-------|
|---------------------|--|-------|

| | | |
|--|------------------------|---|
| 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 | - |
| | DME GAP | - |
| | Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |



CHANGE : Description of VAR and PROC name.

| | |
|----------|--|
| RWY06R : | Climb on HDG059° at or above 500FT, direct to <u>B6R10</u> , turn left direct to B6R11 at or above 2500FT, to <u>B6R13</u> , turn left direct to NANKO at or above 8000FT. |
| RWY06L : | Climb on HDG059° at or above 500FT, turn left direct to <u>B6L20</u> , turn left direct to NANKO at or above 8000FT. |
| RWY24R : | Climb on HDG239° at or above 500FT, turn right direct to <u>B4R20</u> , turn right direct to NANKO at or above 8000FT. |
| RWY24L : | Climb on HDG239° at or above 500FT, direct to <u>B4L10</u> , turn right direct to NANKO at or above 8000FT. |

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

NANKO TWO DEPARTURE

RWY06R

| 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 | - | - | 059 (050.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B6R10 | Y | - | -7.9 | - | - | - | - | - | RNAV1 |
| 003 | DF | B6R11 | - | - | -7.9 | - | L | +2500 | - | - | RNAV1 |
| 004 | TF | B6R13 | Y | 296 (287.8) | -7.9 | 7.9 | - | - | -230 | - | RNAV1 |
| 005 | DF | NANKO | - | - | -7.9 | - | L | +8000 | - | - | RNAV1 |

RWY06L

| 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 | - | - | 059 (050.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B6L20 | Y | - | -7.9 | - | L | - | -230 | - | RNAV1 |
| 003 | DF | NANKO | - | - | -7.9 | - | L | +8000 | - | - | RNAV1 |

RWY24R

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B4R20 | Y | - | -7.9 | - | R | - | - | - | RNAV1 |
| 003 | DF | NANKO | - | - | -7.9 | - | R | +8000 | - | - | RNAV1 |

RWY24L

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B4L10 | Y | - | -7.9 | - | - | - | - | - | RNAV1 |
| 003 | DF | NANKO | - | - | -7.9 | - | R | +8000 | - | - | RNAV1 |

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

SIGAK TRANSITION / NAGOYA TRANSITION

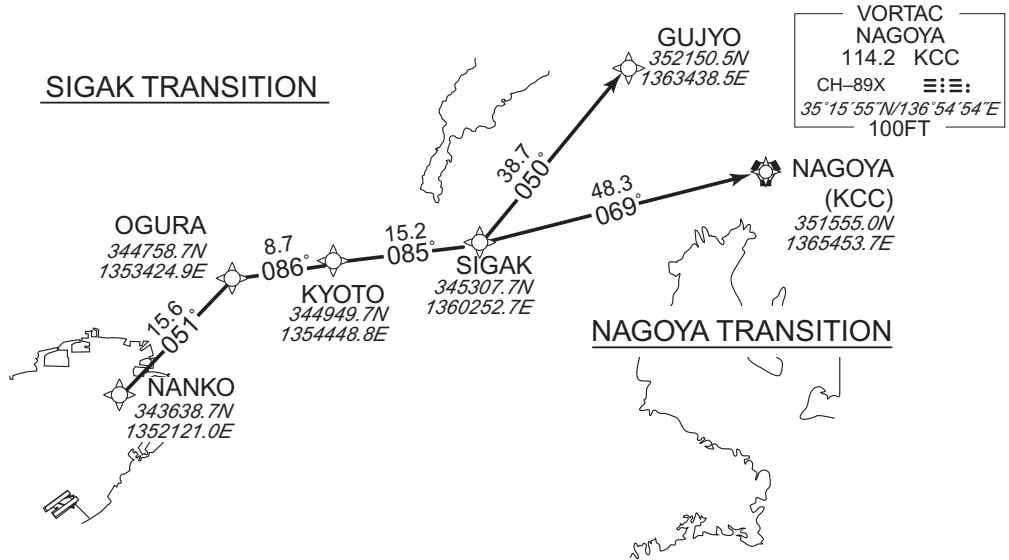
RNAV1

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

Inappropriate Nav aids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8° W



SIGAK TRANSITION

From NANKO, to OGURA, to KYOTO, to SIGAK, to GUJYO.

| | |
|--------------|--|
| Critical DME | ITE : 8.0NM to SIGAK - 5.0NM to SIGAK SIGAK - 30.0NM to GUJYO YME : 33.0NM to GUJYO - 30.0NM to GUJYO XMT : 20.0NM to GUJYO - 13.0NM to GUJYO |
| DME GAP | - |

| 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 | NANKO | - | - | -7.9 | - | - | - | - | - | RNAV1 |
| 002 | TF | OGURA | - | 051 (043.4) | -7.9 | 15.6 | - | - | - | - | RNAV1 |
| 003 | TF | KYOTO | - | 086 (077.7) | -7.9 | 8.7 | - | - | - | - | RNAV1 |
| 004 | TF | SIGAK | - | 085 (077.4) | -7.9 | 15.2 | - | - | - | - | RNAV1 |
| 005 | TF | GUJYO | - | 050 (042.0) | -7.9 | 38.7 | - | - | - | - | RNAV1 |

NAGOYA TRANSITION

From NANKO, to OGURA, to KYOTO, to SIGAK, to KCC.

| | |
|--------------|---------------------------------------|
| Critical DME | ITE : 8.0NM to SIGAK - 5.0NM to SIGAK |
| DME GAP | - |

| 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 | NANKO | - | - | -7.9 | - | - | - | - | - | RNAV1 |
| 002 | TF | OGURA | - | 051 (043.4) | -7.9 | 15.6 | - | - | - | - | RNAV1 |
| 003 | TF | KYOTO | - | 086 (077.7) | -7.9 | 8.7 | - | - | - | - | RNAV1 |
| 004 | TF | SIGAK | - | 085 (077.4) | -7.9 | 15.2 | - | - | - | - | RNAV1 |
| 005 | TF | KCC | - | 069 (061.6) | -7.9 | 48.3 | - | - | - | - | RNAV1 |

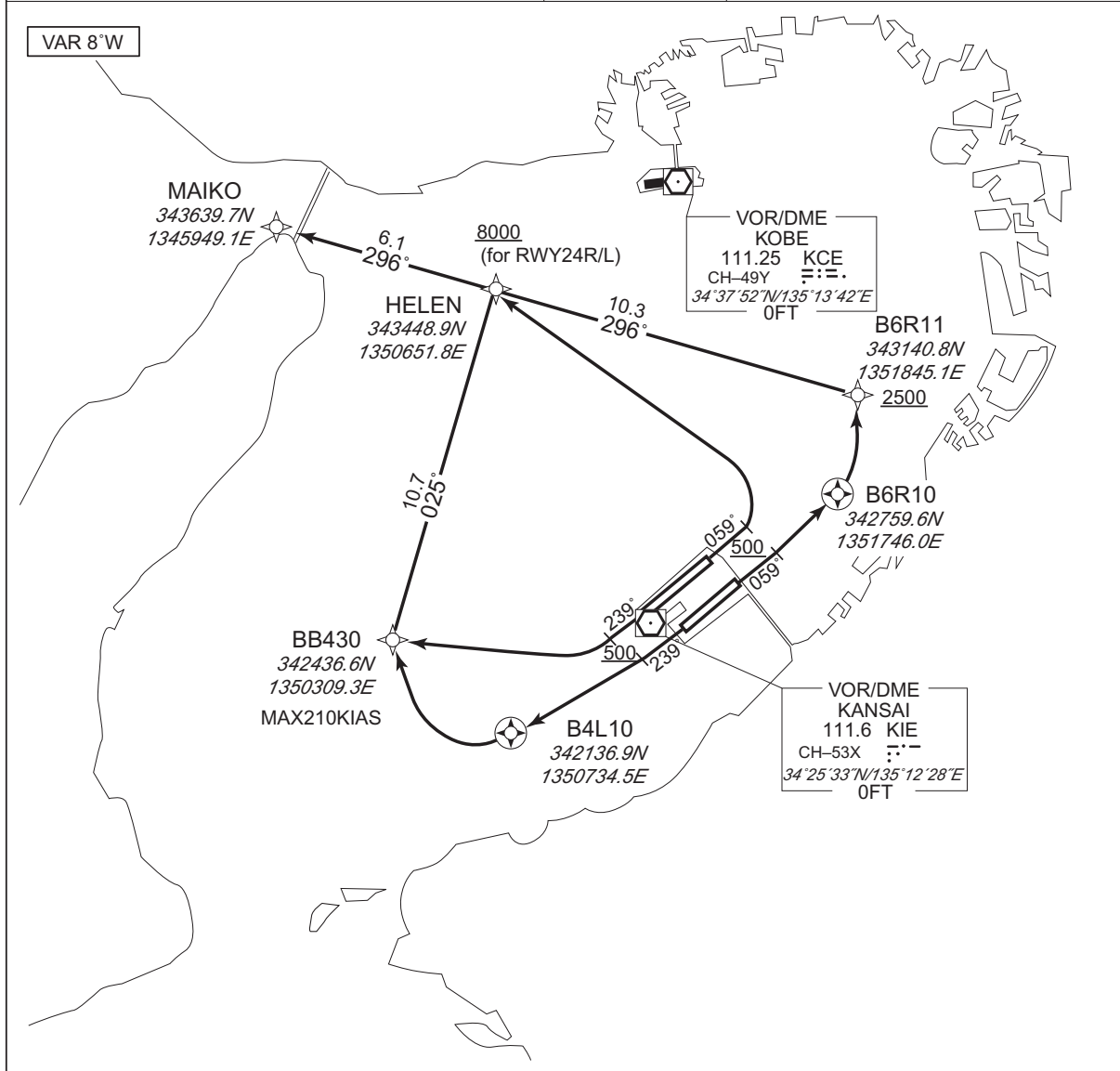
CHANGE : Description of VAR.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

| HELEN TWO DEPARTURE | | RNAV1 |
|--|------------------------|---|
| 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 | - |
| | DME GAP | - |
| | Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |



CHANGE : Description of VAR and PROC name.

RWY06R : Climb on HDG059° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to HELEN, to MAIKO.

RWY06L : Climb on HDG059° at or above 500FT, turn left direct to HELEN, to MAIKO.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to BB430, to HELEN at or above 8000FT, to MAIKO.

RWY24L : Climb on HDG239° at or above 500FT, direct to B4L10, turn right direct to BB430, to HELEN at or above 8000FT, to MAIKO.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

HELEN TWO DEPARTURE

RWY06R

| 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 | - | - | 059 (050.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B6R10 | Y | - | -7.9 | - | - | - | - | - | RNAV1 |
| 003 | DF | B6R11 | - | - | -7.9 | - | L | +2500 | - | - | RNAV1 |
| 004 | TF | HELEN | - | 296 (287.8) | -7.9 | 10.3 | - | - | - | - | RNAV1 |
| 005 | TF | MAIKO | - | 296 (287.7) | -7.9 | 6.1 | - | - | - | - | RNAV1 |

RWY06L

| 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 | - | - | 059 (050.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | HELEN | - | - | -7.9 | - | L | - | - | - | RNAV1 |
| 003 | TF | MAIKO | - | 296 (287.7) | -7.9 | 6.1 | - | - | - | - | RNAV1 |

RWY24R

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | BB430 | - | - | -7.9 | - | R | - | -210 | - | RNAV1 |
| 003 | TF | HELEN | - | 025 (016.6) | -7.9 | 10.7 | - | +8000 | - | - | RNAV1 |
| 004 | TF | MAIKO | - | 296 (287.7) | -7.9 | 6.1 | - | - | - | - | RNAV1 |

RWY24L

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B4L10 | Y | - | -7.9 | - | - | - | - | - | RNAV1 |
| 003 | DF | BB430 | - | - | -7.9 | - | R | - | -210 | - | RNAV1 |
| 004 | TF | HELEN | - | 025 (016.6) | -7.9 | 10.7 | - | +8000 | - | - | RNAV1 |
| 005 | TF | MAIKO | - | 296 (287.7) | -7.9 | 6.1 | - | - | - | - | RNAV1 |

CHANGE : VAR. PROC renamed. PROC course.

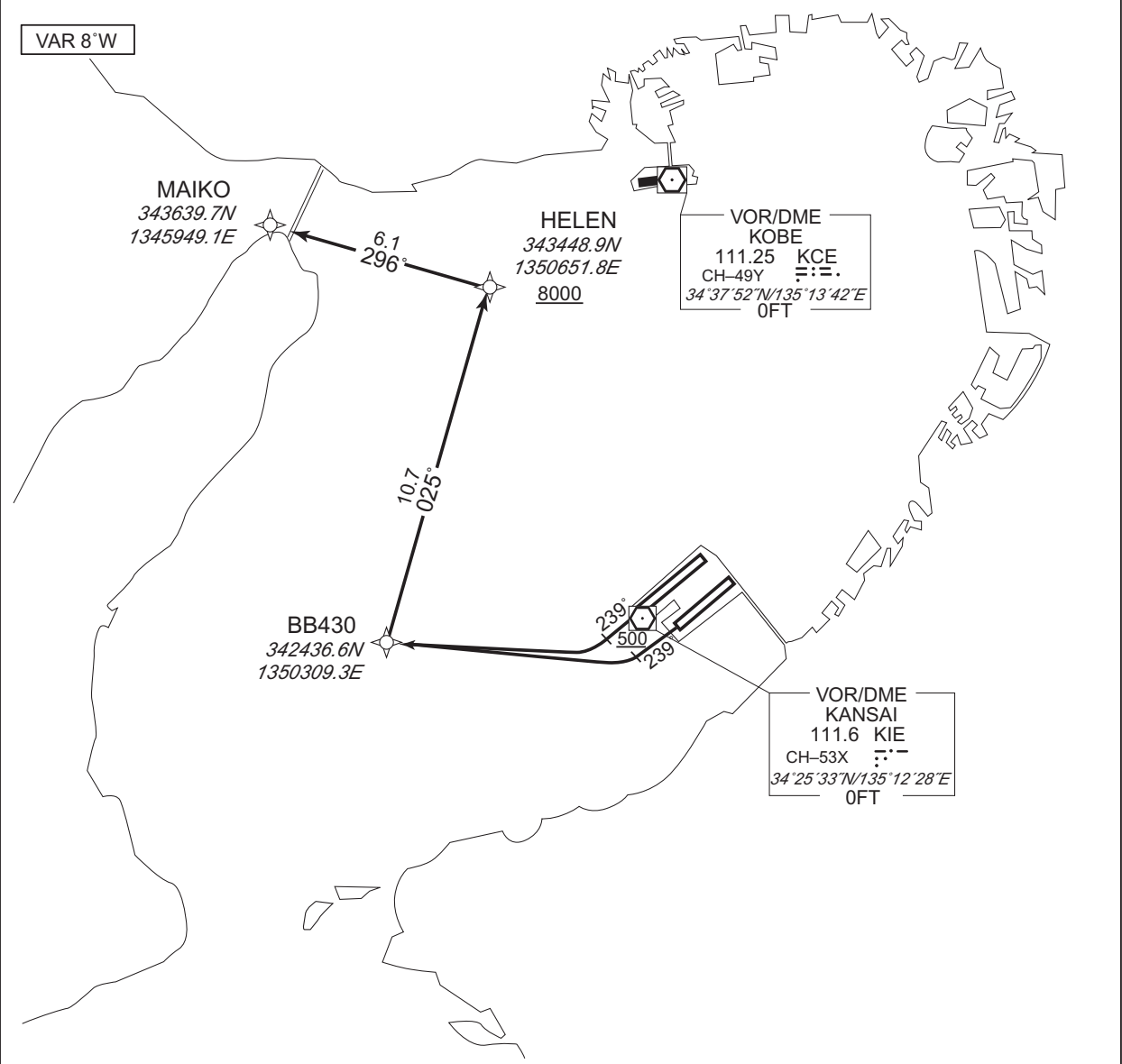
STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

| | |
|---------------------|-------|
| IWAYA TWO DEPARTURE | RNAV1 |
|---------------------|-------|

| | | |
|--|-----------------------|---|
| 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 | - |
| | DME GAP | - |
| | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |



CHANGE : Description of VAR and PROC name.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to BB430, to HELEN at or above 8000FT, to MAIKO.

RWY24L : Climb on HDG239° at or above 500FT, turn right direct to BB430, to HELEN at or above 8000FT, to MAIKO.

Note RWY24L : No turn before DER.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

IWAYA TWO DEPARTURE

RWY24R

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | BB430 | - | - | -7.9 | - | R | - | - | - | RNAV1 |
| 003 | TF | HELEN | - | 025 (016.6) | -7.9 | 10.7 | - | +8000 | - | - | RNAV1 |
| 004 | TF | MAIKO | - | 296 (287.7) | -7.9 | 6.1 | - | - | - | - | RNAV1 |

RWY24L

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | BB430 | - | - | -7.9 | - | R | - | - | - | RNAV1 |
| 003 | TF | HELEN | - | 025 (016.6) | -7.9 | 10.7 | - | +8000 | - | - | RNAV1 |
| 004 | TF | MAIKO | - | 296 (287.7) | -7.9 | 6.1 | - | - | - | - | RNAV1 |

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

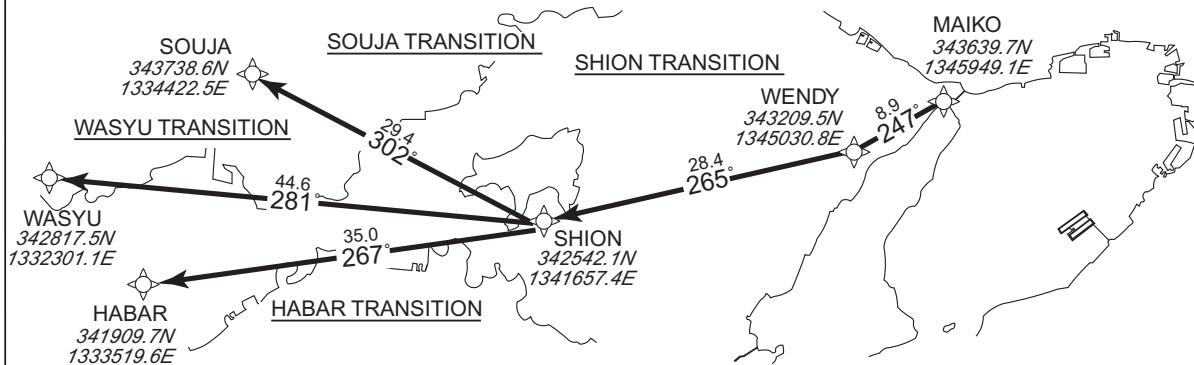
SHION TRANSITION / SOUJA TRANSITION / WASYU TRANSITION / HABAR TRANSITION RNAV1

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

Inappropriate NavAids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8° W



SHION TRANSITION

From MAIKO, to WENDY, to SHION.

| | |
|--------------|---|
| Critical DME | — |
| DME GAP | — |

| 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 | MAIKO | — | — | -7.9 | — | — | — | — | — | RNAV1 |
| 002 | TF | WENDY | — | 247 (239.6) | -7.9 | 8.9 | — | — | — | — | RNAV1 |
| 003 | TF | SHION | — | 265 (257.0) | -7.9 | 28.4 | — | — | — | — | RNAV1 |

SOUJA TRANSITION

From MAIKO, to WENDY, to SHION, to SOUJA.

| | |
|--------------|---|
| Critical DME | — |
| DME GAP | — |

| 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 | MAIKO | — | — | -7.9 | — | — | — | — | — | RNAV1 |
| 002 | TF | WENDY | — | 247 (239.6) | -7.9 | 8.9 | — | — | — | — | RNAV1 |
| 003 | TF | SHION | — | 265 (257.0) | -7.9 | 28.4 | — | — | — | — | RNAV1 |
| 004 | TF | SOUJA | — | 302 (294.1) | -7.9 | 29.4 | — | — | — | — | RNAV1 |

WASYU TRANSITION

From MAIKO, to WENDY, to SHION, to WASYU.

| | |
|--------------|---|
| Critical DME | — |
| DME GAP | — |

| 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 | MAIKO | — | — | -7.9 | — | — | — | — | — | RNAV1 |
| 002 | TF | WENDY | — | 247 (239.6) | -7.9 | 8.9 | — | — | — | — | RNAV1 |
| 003 | TF | SHION | — | 265 (257.0) | -7.9 | 28.4 | — | — | — | — | RNAV1 |
| 004 | TF | WASYU | — | 281 (273.6) | -7.9 | 44.6 | — | — | — | — | RNAV1 |

HABAR TRANSITION

From MAIKO, to WENDY, to SHION, to HABAR.

| | |
|--------------|---|
| Critical DME | — |
| DME GAP | — |

| 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 | MAIKO | — | — | -7.9 | — | — | — | — | — | RNAV1 |
| 002 | TF | WENDY | — | 247 (239.6) | -7.9 | 8.9 | — | — | — | — | RNAV1 |
| 003 | TF | SHION | — | 265 (257.0) | -7.9 | 28.4 | — | — | — | — | RNAV1 |
| 004 | TF | HABAR | — | 267 (259.4) | -7.9 | 35.0 | — | — | — | — | RNAV1 |

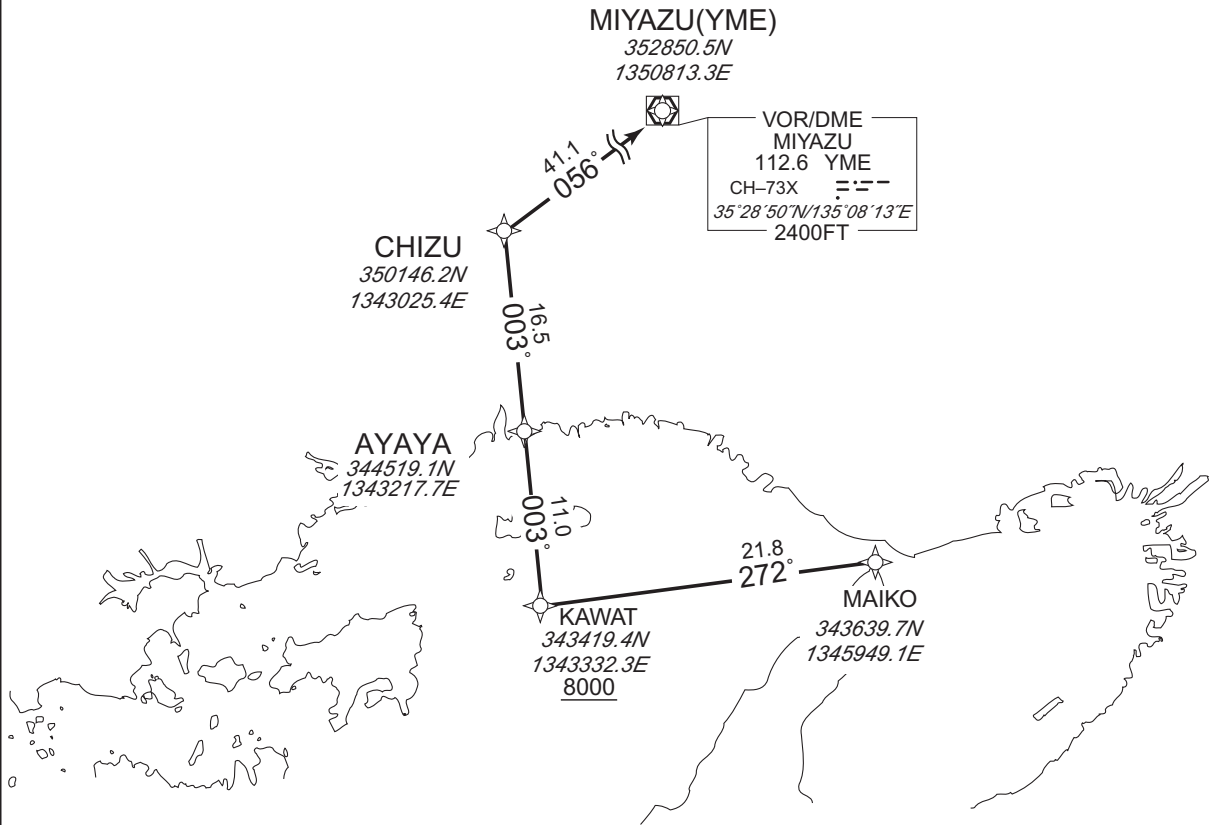
CHANGE : Description of VAR.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL RNAV TRANSITION

| CHIZU TRANSITION | RNAV1 | |
|---|------------------------|--|
| Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required. | Critical DME | - |
| | DME GAP | - |
| | Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1. |

VAR 8° W



CHANGE : Description of VAR and PROC name.

From MAIKO, to KAWAT at or above 8000FT, to AYAYA, to CHIZU, to YME.

| 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 | MAIKO | - | - | -7.9 | - | - | - | - | - | RNAV1 |
| 002 | TF | KAWAT | - | 272 (264.0) | -7.9 | 21.8 | - | +8000 | - | - | RNAV1 |
| 003 | TF | AYAYA | - | 003 (354.7) | -7.9 | 11.0 | - | - | - | - | RNAV1 |
| 004 | TF | CHIZU | - | 003 (354.7) | -7.9 | 16.5 | - | - | - | - | RNAV1 |
| 005 | TF | YME | - | 056 (048.6) | -7.9 | 41.1 | - | - | - | - | RNAV1 |

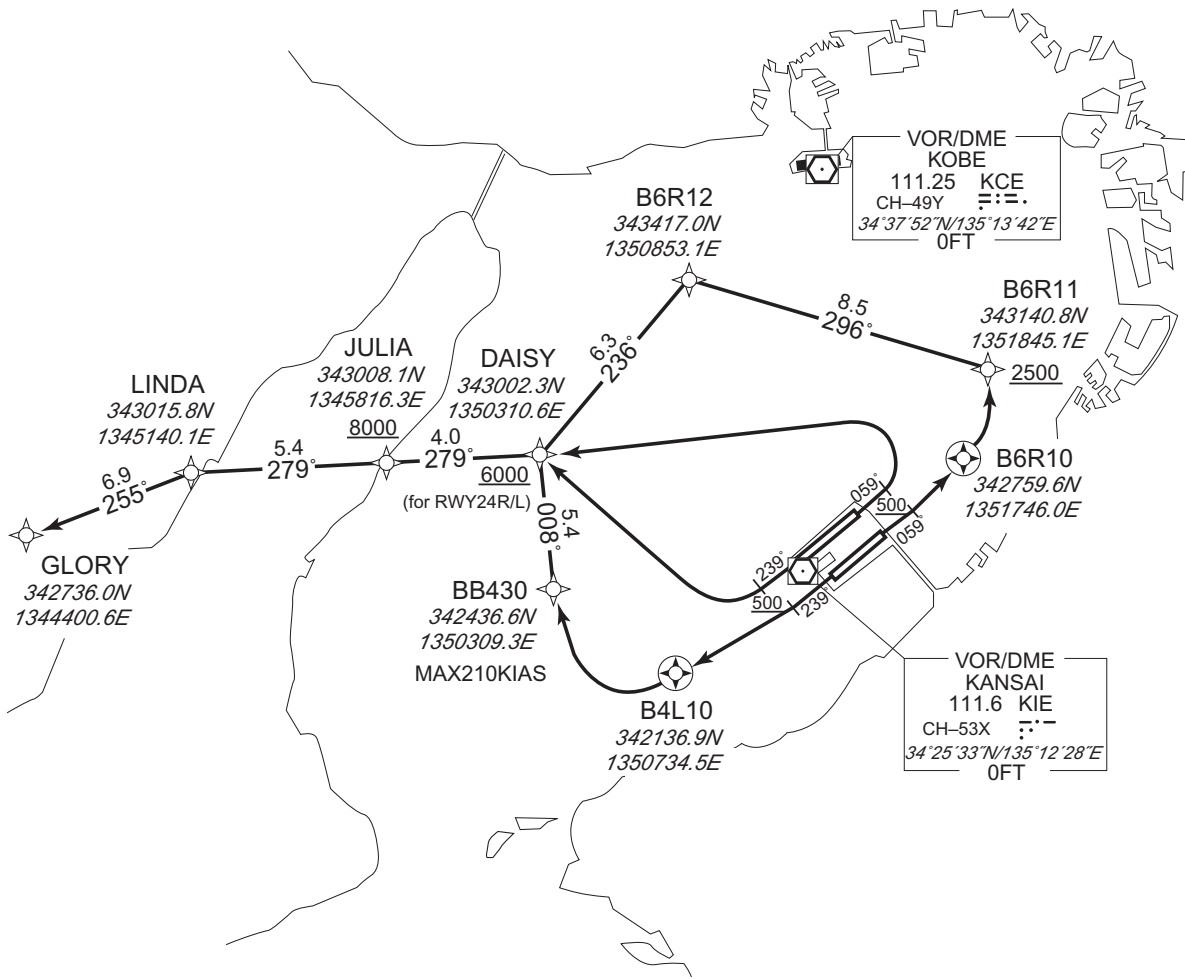
STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

| DAISY TWO DEPARTURE | | RNAV1 |
|--|-----------------------|---|
| 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 | - |
| | DME GAP | - |
| | Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

VAR 8°W



CHANGE : Description of VAR and PROC name.

- RWY06R : Climb on HDG059° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to B6R12, to DAISY, to JULIA at or above 8000FT, to LINDA, to GLORY.
- RWY06L : Climb on HDG059° at or above 500FT, turn left direct to DAISY, to JULIA at or above 8000FT, to LINDA, to GLORY.
- RWY24R : Climb on HDG239° at or above 500FT, turn right direct to DAISY at or above 6000FT, to JULIA at or above 8000FT, to LINDA, to GLORY.
- RWY24L : Climb on HDG239° at or above 500FT, direct to B4L10, turn right direct to BB430, to DAISY at or above 6000FT, to JULIA at or above 8000FT, to LINDA, to GLORY.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

DAISY TWO DEPARTURE

RWY06R

| 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 | - | - | 059 (050.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B6R10 | Y | - | -7.9 | - | - | - | - | - | RNAV1 |
| 003 | DF | B6R11 | - | - | -7.9 | - | L | +2500 | - | - | RNAV1 |
| 004 | TF | B6R12 | - | 296 (287.8) | -7.9 | 8.5 | - | - | - | - | RNAV1 |
| 005 | TF | DAISY | - | 236 (227.9) | -7.9 | 6.3 | - | - | - | - | RNAV1 |
| 006 | TF | JULIA | - | 279 (271.4) | -7.9 | 4.0 | - | +8000 | - | - | RNAV1 |
| 007 | TF | LINDA | - | 279 (271.4) | -7.9 | 5.4 | - | - | - | - | RNAV1 |
| 008 | TF | GLORY | - | 255 (247.2) | -7.9 | 6.9 | - | - | - | - | RNAV1 |

RWY06L

| 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 | - | - | 059 (050.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | DAISY | - | - | -7.9 | - | L | - | - | - | RNAV1 |
| 003 | TF | JULIA | - | 279 (271.4) | -7.9 | 4.0 | - | +8000 | - | - | RNAV1 |
| 004 | TF | LINDA | - | 279 (271.4) | -7.9 | 5.4 | - | - | - | - | RNAV1 |
| 005 | TF | GLORY | - | 255 (247.2) | -7.9 | 6.9 | - | - | - | - | RNAV1 |

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

RWY24R

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | DAISY | - | - | -7.9 | - | R | +6000 | - | - | RNAV1 |
| 003 | TF | JULIA | - | 279 (271.4) | -7.9 | 4.0 | - | +8000 | - | - | RNAV1 |
| 004 | TF | LINDA | - | 279 (271.4) | -7.9 | 5.4 | - | - | - | - | RNAV1 |
| 005 | TF | GLORY | - | 255 (247.2) | -7.9 | 6.9 | - | - | - | - | RNAV1 |

RWY24L

| 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 | - | - | 239 (230.9) | -7.9 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | B4L10 | Y | - | -7.9 | - | - | - | - | - | RNAV1 |
| 003 | DF | BB430 | - | - | -7.9 | - | R | - | -210 | - | RNAV1 |
| 004 | TF | DAISY | - | 008 (000.2) | -7.9 | 5.4 | - | +6000 | - | - | RNAV1 |
| 005 | TF | JULIA | - | 279 (271.4) | -7.9 | 4.0 | - | +8000 | - | - | RNAV1 |
| 006 | TF | LINDA | - | 279 (271.4) | -7.9 | 5.4 | - | - | - | - | RNAV1 |
| 007 | TF | GLORY | - | 255 (247.2) | -7.9 | 6.9 | - | - | - | - | RNAV1 |

CHANGE : VAR. PROC course.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

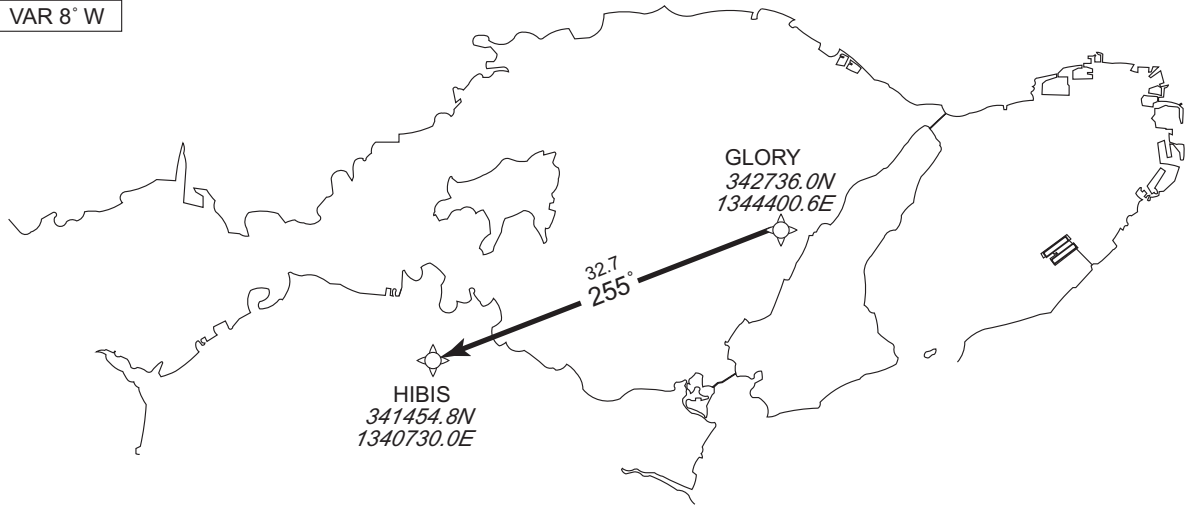
| | |
|------------------|-------|
| HIBIS TRANSITION | RNAV1 |
|------------------|-------|

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

Inappropriate NavAids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8° W



From GLORY, to HIBIS.

| | |
|--------------|---|
| Critical DME | - |
| DME GAP | - |

| 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 | GLORY | - | - | -7.9 | - | - | - | - | - | RNAV1 |
| 002 | TF | HIBIS | - | 255 (247.3) | -7.9 | 32.7 | - | - | - | - | RNAV1 |

CHANGE : Description of VAR and PROC name.

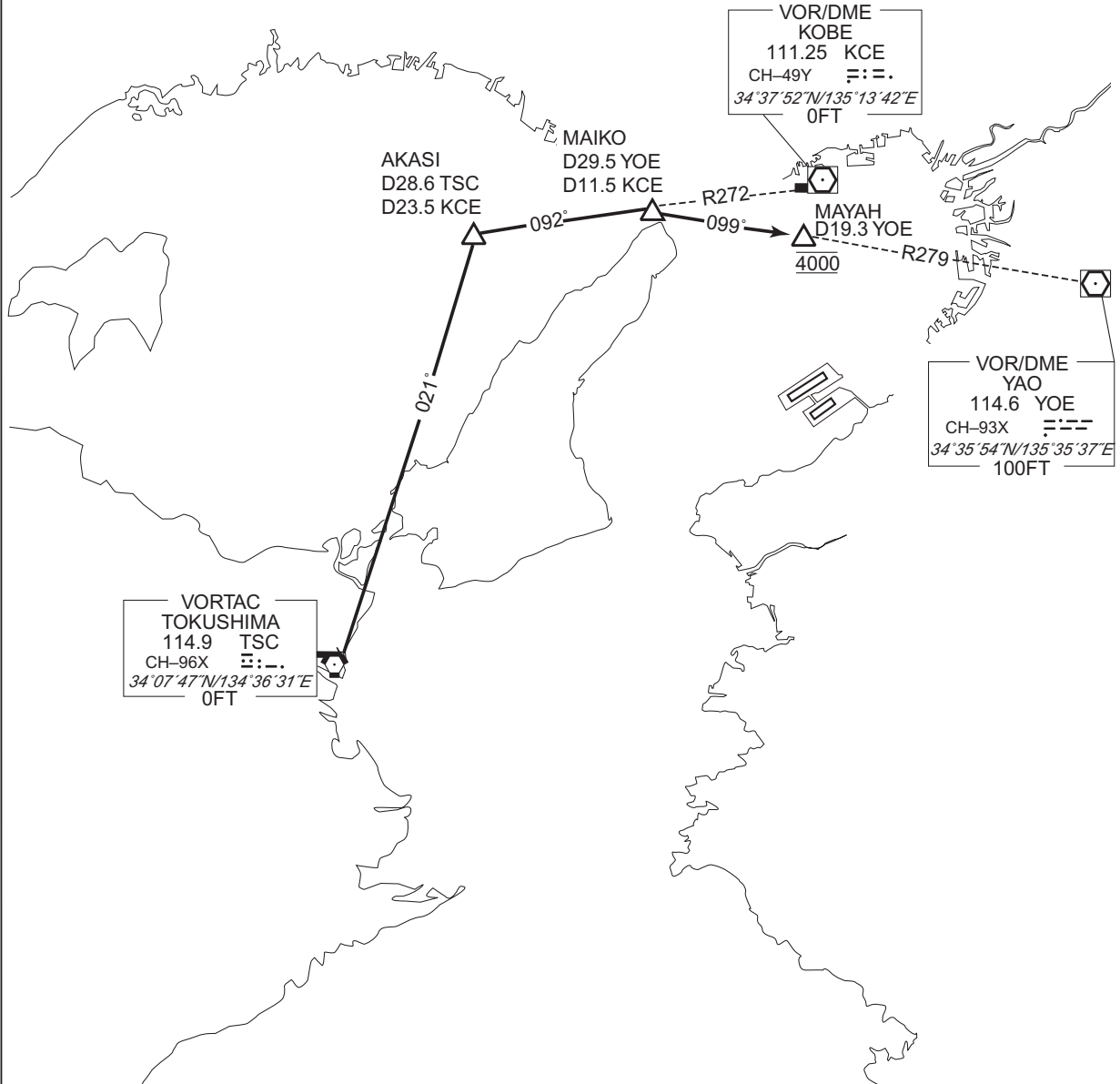
STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

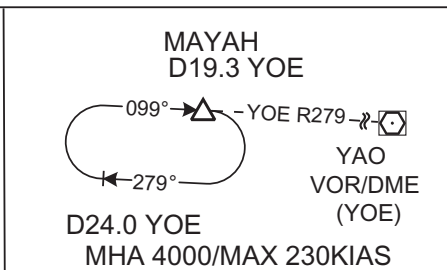
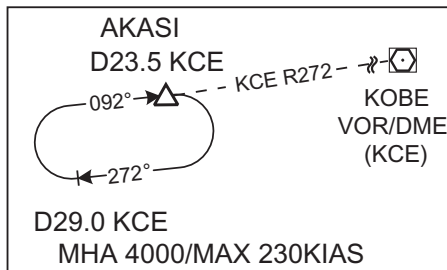
STAR

AKASI ARRIVAL

From over TSC VORTAC, proceed via TSC R021 to AKASI, via KCE R272 to MAIKO, via YOE R279 to MAYAH.
Cross MAYAH at 4000FT.



CHANGE : Description of PROC name.



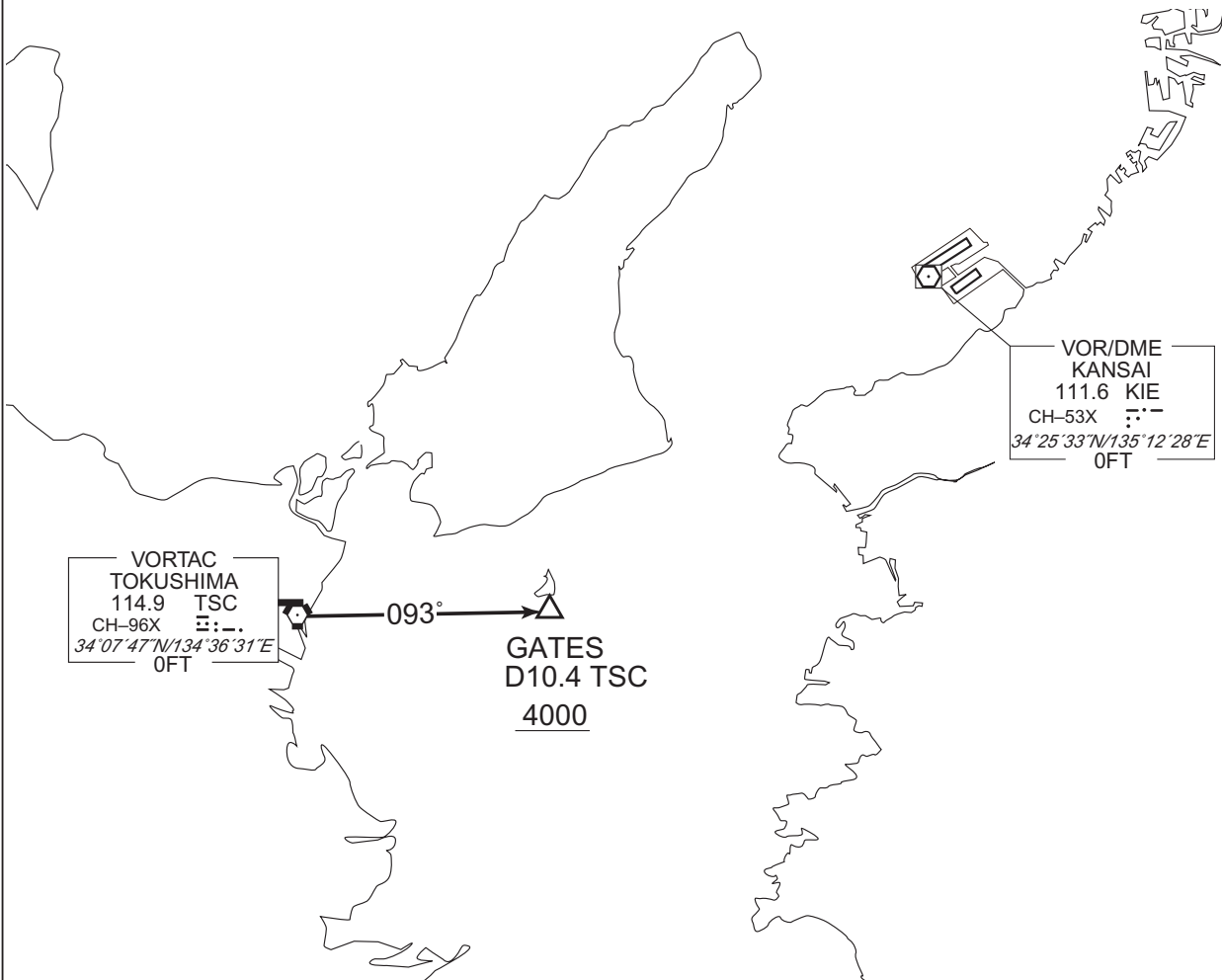
STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

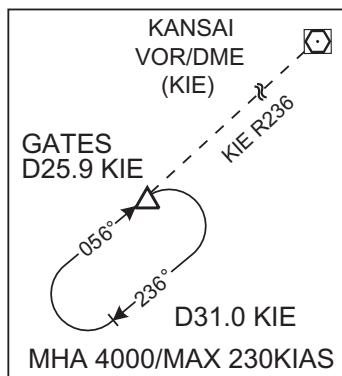
STAR

GATES ARRIVAL

From over TSC VORTAC, proceed via TSC R093 to GATES.
Cross GATES at or above 4000FT.



CHANGE : Description of PROC name.



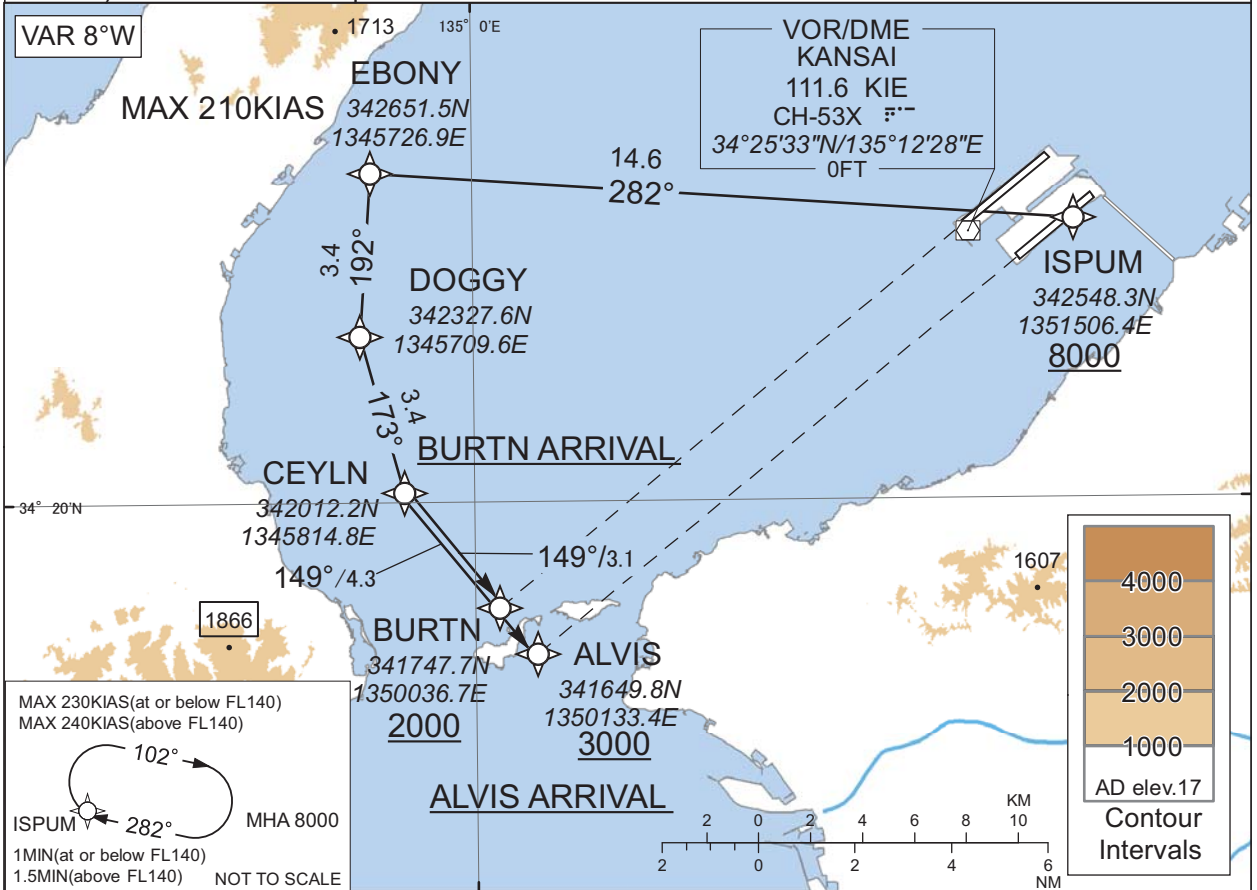
STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL RNAV STAR RWY06R/06L

ALVIS ARRIVAL
BURTN ARRIVAL

RNAV1

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



ALVIS ARRIVAL

From ISPUM at or above 8000FT, to EBONY, to DOGGY, to CEYLN, to ALVIS at or above 3000FT.

| | |
|-----------------------|---|
| Critical DME | - |
| 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 | ISPUM | - | - | -8.0 | - | - | +8000 | - | - | RNAV1 |
| 002 | TF | EBONY | - | 282 (274.2) | -8.0 | 14.6 | - | - | -210 | - | RNAV1 |
| 003 | TF | DOGGY | - | 192 (184.0) | -8.0 | 3.4 | - | - | - | - | RNAV1 |
| 004 | TF | CEYLN | - | 173 (164.6) | -8.0 | 3.4 | - | - | - | - | RNAV1 |
| 005 | TF | ALVIS | - | 149 (141.0) | -8.0 | 4.3 | - | +3000 | - | - | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| HOLD | ISPUM | 282 (274.2) | -8.0 | 1.0(-14000) 1.5(+14001) | - | R | 8000 | - | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : Description of VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06R/06L

BURTN ARRIVAL

From ISPUM at or above 8000FT, to EBONY, to DOGGY, to CEYLN, to BURTN at or above 2000FT.

| | |
|------------------------|---|
| Critical DME | - |
| DME GAP | - |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

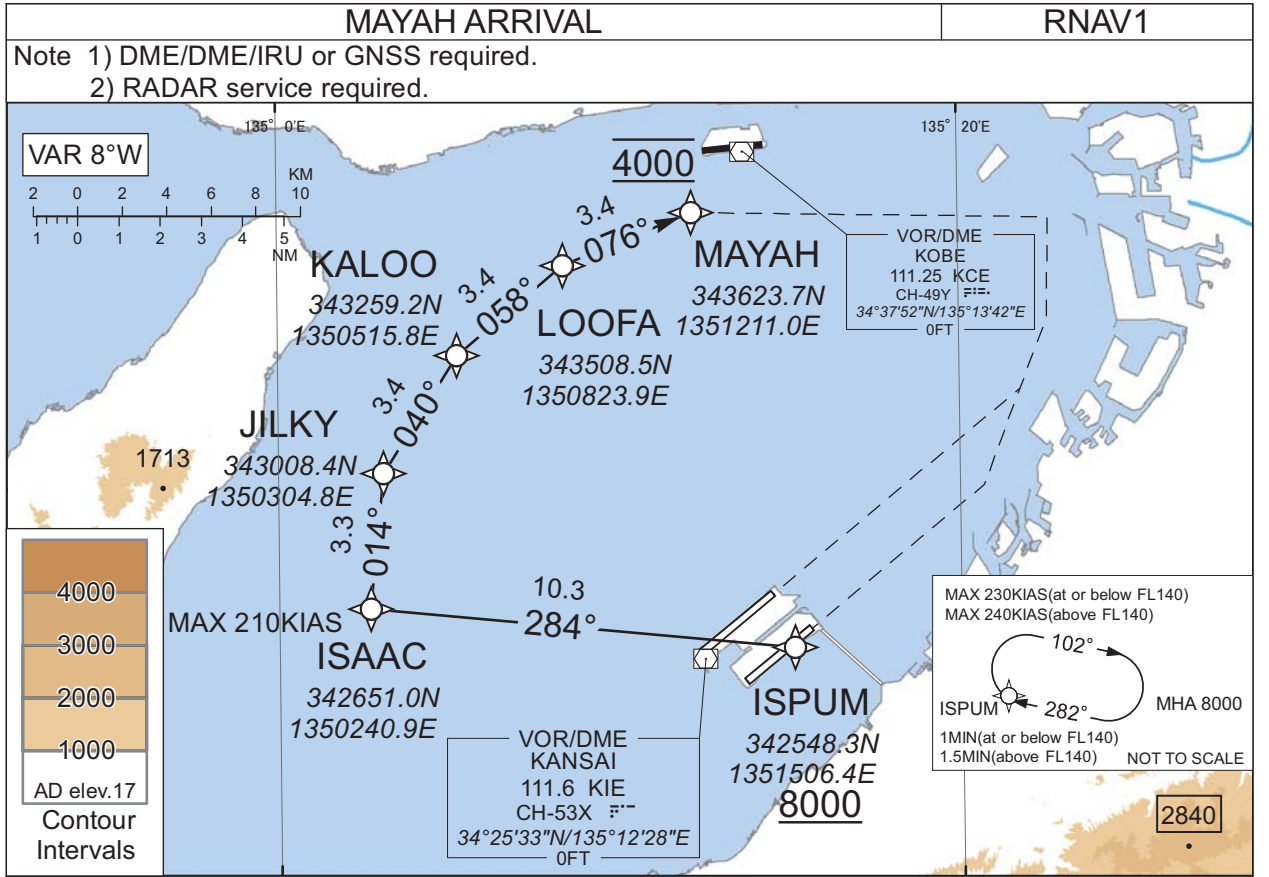
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | ISPUM | - | - | -8.0 | - | - | +8000 | - | - | RNAV1 |
| 002 | TF | EBONY | - | 282 (274.2) | -8.0 | 14.6 | - | - | -210 | - | RNAV1 |
| 003 | TF | DOGGY | - | 192 (184.0) | -8.0 | 3.4 | - | - | - | - | RNAV1 |
| 004 | TF | CEYLN | - | 173 (164.6) | -8.0 | 3.4 | - | - | - | - | RNAV1 |
| 005 | TF | BURTN | - | 149 (141.0) | -8.0 | 3.1 | - | +2000 | - | - | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| HOLD | ISPUM | 282 (274.2) | -8.0 | 1.0(-14000) 1.5(+14001) | - | R | 8000 | - | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR. Course FM DOGGY to CEYLN.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL RNAV STAR RWY24R/24L



From ISPUM at or above 8000FT, to ISAAC, to JILKY, to KALOO, to LOOFA, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | - |
| DME GAP | - |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

CHANGE : Description of VAR and PROC name.

| 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 | ISPUM | - | - | -8.0 | - | - | +8000 | - | - | RNAV1 |
| 002 | TF | ISAAC | - | 284 (275.9) | -8.0 | 10.3 | - | - | -210 | - | RNAV1 |
| 003 | TF | JILKY | - | 014 (005.7) | -8.0 | 3.3 | - | - | - | - | RNAV1 |
| 004 | TF | KALOO | - | 040 (032.3) | -8.0 | 3.4 | - | - | - | - | RNAV1 |
| 005 | TF | LOOFA | - | 058 (050.1) | -8.0 | 3.4 | - | - | - | - | RNAV1 |
| 006 | TF | MAYAH | - | 076 (068.1) | -8.0 | 3.4 | - | 4000 | - | - | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| HOLD | ISPUM | 282 (274.2) | -8.0 | 1.0(-14000) 1.5(+14001) | - | R | 8000 | - | -230(-14000) -240(+14001) | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

DANDE ALFA ARRIVAL
DANDE BRAVO ARRIVAL

RNAV1

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

VAR8° W

VOR/DME
KOBE
111.25 KCE
CH-49Y $\equiv::\equiv$
34°37'52"N/135°13'42"E
0FT

VOR/DME
KANSAI
111.6 KIE
CH-53X $\equiv::\equiv$
34°25'33"N/135°12'28"E
0FT

DANDE BRAVO ARRIVAL

BERRY
341502.0N
1345631.6E

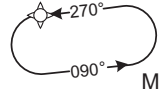
ALLAN
4000
341404.1N
1345728.3E

JOLLY 6000
340900.6N
1350225.6E

DANDE ALFA ARRIVAL

DANDE
341309.4N
1352433.9E

DME
GOBOH
1203 GBD
CH-116X $\equiv::\equiv$
33°54'37"N/135°06'22"E
1000FT

NOT TO SCALE
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)
DANDE

MHA 8000
1MIN(at or below FL140)
1.5MIN(above FL140)

CHANGE : Description of VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

DANDE ALFA ARRIVAL

From DANDE, to JOLLY at or above 6000FT, to ALLAN at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | DANDE | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | JOLLY | — | 265 (257.3) | -8.0 | 18.8 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ALLAN | — | 329 (321.0) | -8.0 | 6.5 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DANDE | 270 (262.6) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |

DANDE BRAVO ARRIVAL

From DANDE, to JOLLY at or above 6000FT, to BERRY at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | DANDE | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | JOLLY | — | 265 (257.3) | -8.0 | 18.8 | — | +6000 | — | — | RNAV1 |
| 003 | TF | BERRY | — | 329 (321.0) | -8.0 | 7.8 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DANDE | 270 (262.6) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR. Critical DME deleted.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

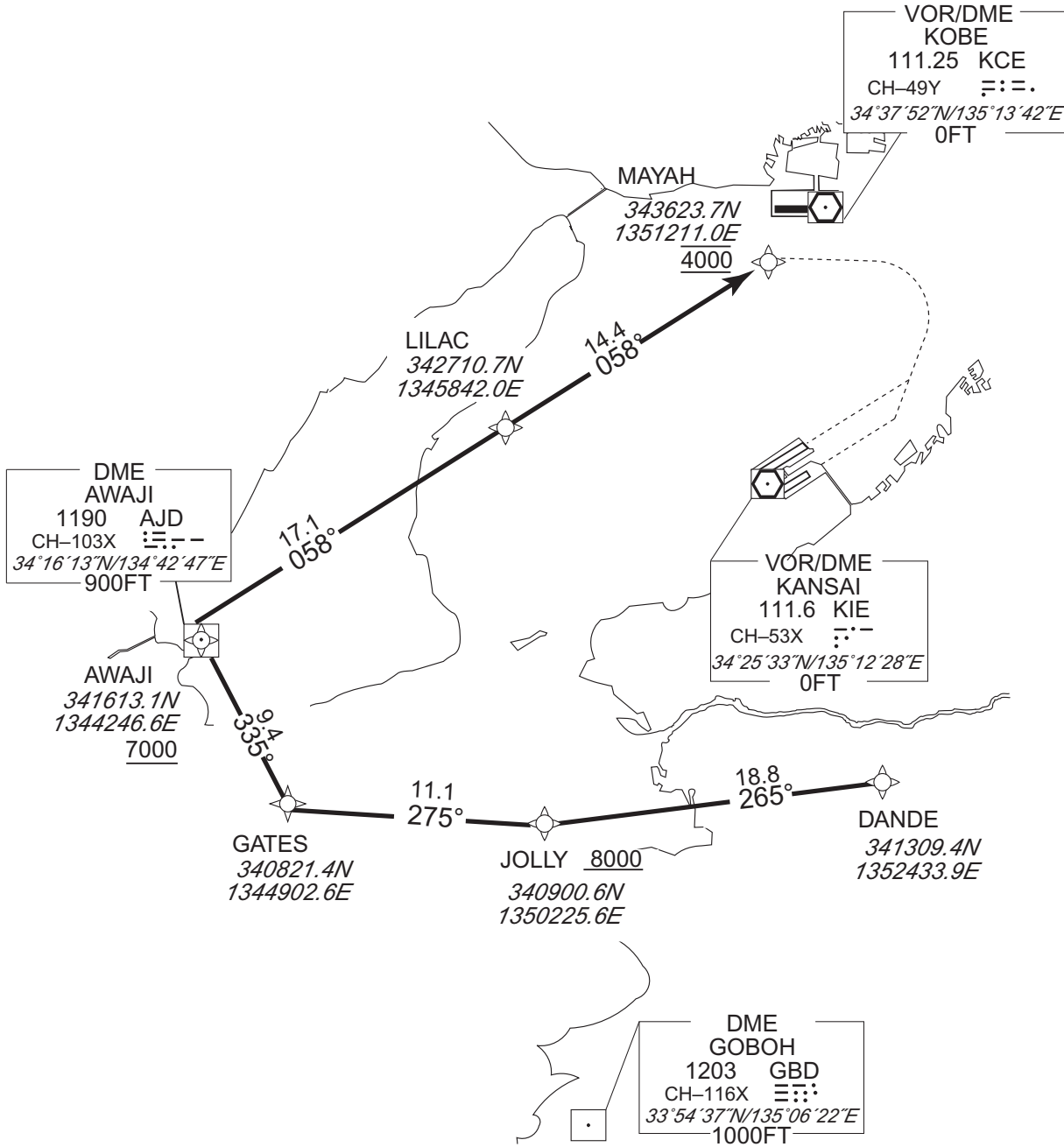
RNAV STAR RWY24L/24R

DANDE CHARLIE ARRIVAL

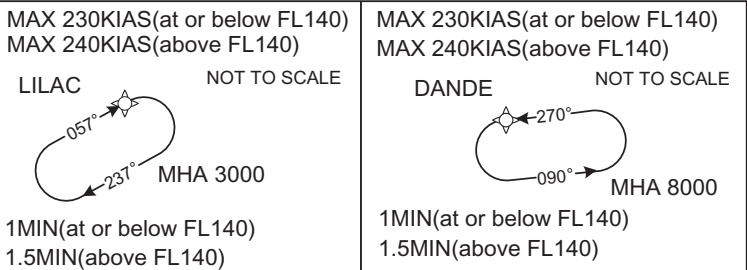
RNAV1

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

VAR 8° W



CHANGE : Description of VAR and PROC name.



STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

DANDE CHARLIE ARRIVAL

From DANDE, to JOLLY at or above 8000FT, to GATES, to AWAJI at or above 7000FT, to LILAC, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | - |
| DME GAP | - |
| Inappropriate Nav aids | 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 | DANDE | - | - | -8.0 | - | - | - | - | - | RNAV1 |
| 002 | TF | JOLLY | - | 265 (257.3) | -8.0 | 18.8 | - | +8000 | - | - | RNAV1 |
| 003 | TF | GATES | - | 275 (266.7) | -8.0 | 11.1 | - | - | - | - | RNAV1 |
| 004 | TF | AWAJI | - | 335 (326.6) | -8.0 | 9.4 | - | +7000 | - | - | RNAV1 |
| 005 | TF | LILAC | - | 058 (050.1) | -8.0 | 17.1 | - | - | - | - | RNAV1 |
| 006 | TF | MAYAH | - | 058 (050.3) | -8.0 | 14.4 | - | 4000 | - | - | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DANDE | 270 (262.6) | -8.0 | 1.0(-14000) 1.5(+14001) | - | L | 8000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -8.0 | 1.0(-14000) 1.5(+14001) | - | R | 3000 | - | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : Critical DME, DME GAP deleted.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

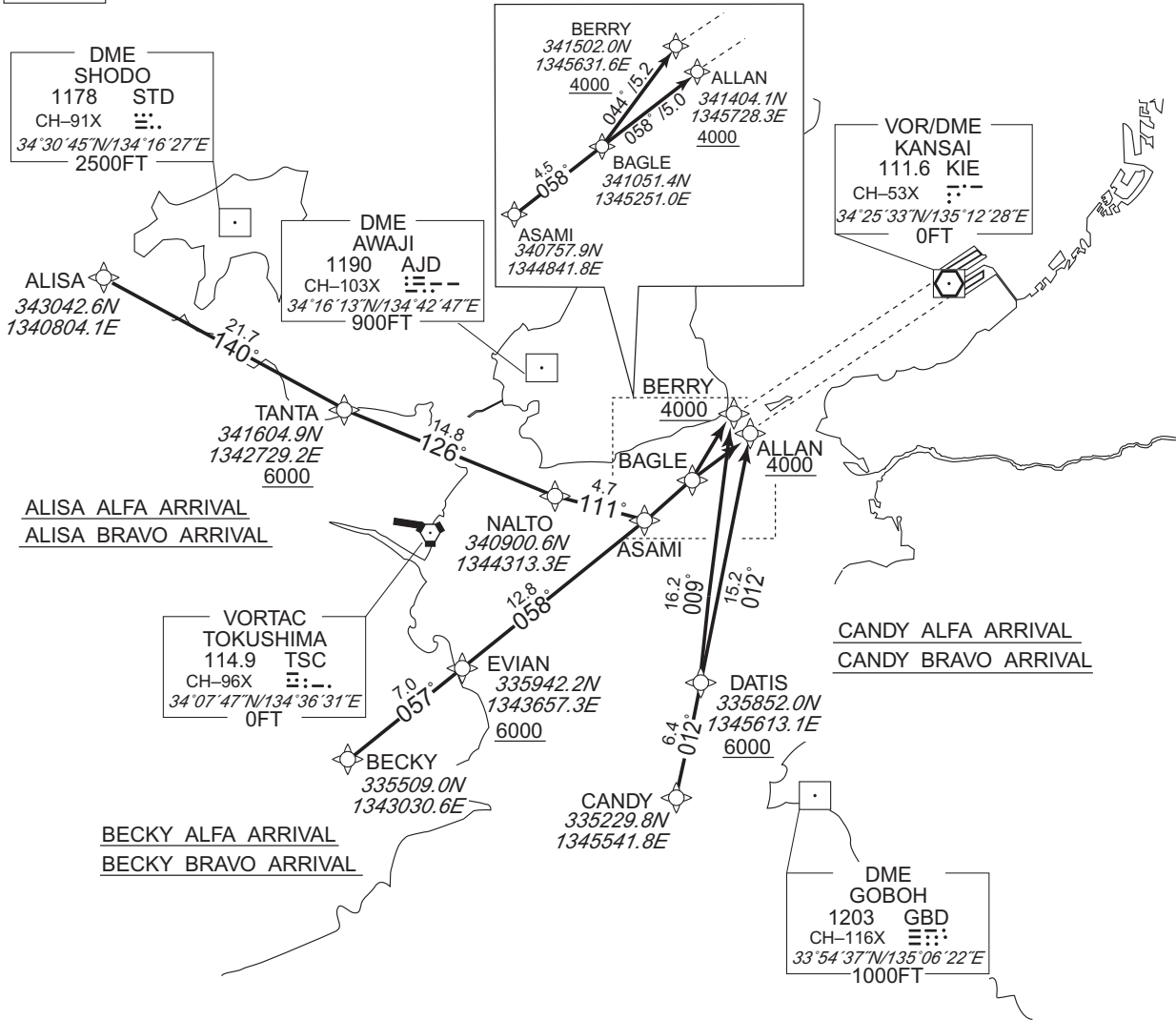
RNAV STAR RWY06L/06R

ALISA ALFA / BRAVO ARRIVAL
BECKY ALFA / BRAVO ARRIVAL
CANDY ALFA / BRAVO ARRIVAL

RNAV1

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

VAR 8° W



CHANGE : Description of VAR.

| NOT TO SCALE | NOT TO SCALE | NOT TO SCALE | NOT TO SCALE | NOT TO SCALE |
|--|--|--|--|--|
| MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) |
| | | | | |
| 1MIN(at or below FL140) 1.5MIN(above FL140) | 1MIN(at or below FL140) 1.5MIN(above FL140) | 1MIN(at or below FL140) 1.5MIN(above FL140) | 1MIN(at or below FL140) 1.5MIN(above FL140) | 1MIN(at or below FL140) 1.5MIN(above FL140) |

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

ALISA ALFA ARRIVAL

From ALISA, to TANTA at or above 6000FT, to NALTO, to ASAMI, to BAGLE, to ALLAN at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | ALISA | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 140 (132.3) | -8.0 | 21.7 | — | +6000 | — | — | RNAV1 |
| 003 | TF | NALTO | — | 126 (118.4) | -8.0 | 14.8 | — | — | — | — | RNAV1 |
| 004 | TF | ASAMI | — | 111 (103.0) | -8.0 | 4.7 | — | — | — | — | RNAV1 |
| 005 | TF | BAGLE | — | 058 (049.9) | -8.0 | 4.5 | — | — | — | — | RNAV1 |
| 006 | TF | ALLAN | — | 058 (049.9) | -8.0 | 5.0 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | ALISA | 142 (134.0) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 10000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

ALISA BRAVO ARRIVAL

From ALISA, to TANTA at or above 6000FT, NALTO, to ASAMI, to BAGLE, to BERRY at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | ALISA | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 140 (132.3) | -8.0 | 21.7 | — | +6000 | — | — | RNAV1 |
| 003 | TF | NALTO | — | 126 (118.4) | -8.0 | 14.8 | — | — | — | — | RNAV1 |
| 004 | TF | ASAMI | — | 111 (103.0) | -8.0 | 4.7 | — | — | — | — | RNAV1 |
| 005 | TF | BAGLE | — | 058 (049.9) | -8.0 | 4.5 | — | — | — | — | RNAV1 |
| 006 | TF | BERRY | — | 044 (036.0) | -8.0 | 5.2 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | ALISA | 142 (134.0) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 10000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : Critical DME.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

BECKY ALFA ARRIVAL

From BECKY, to EVIAN at or above 6000FT, to ASAMI, to BAGLE, to ALLAN at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | BECKY | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | EVIAN | — | 057 (049.5) | -8.0 | 7.0 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 058 (049.6) | -8.0 | 12.8 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 058 (049.9) | -8.0 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | ALLAN | — | 058 (049.9) | -8.0 | 5.0 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BECKY | 058 (050.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

BECKY BRAVO ARRIVAL

From BECKY, to EVIAN at or above 6000FT, to ASAMI, to BAGLE, to BERRY at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | BECKY | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | EVIAN | — | 057 (049.5) | -8.0 | 7.0 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 058 (049.6) | -8.0 | 12.8 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 058 (049.9) | -8.0 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | BERRY | — | 044 (036.0) | -8.0 | 5.2 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BECKY | 058 (050.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR. Course FM EVIAN to ASAMI.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

CANDY ALFA ARRIVAL

From CANDY, to DATIS at or above 6000FT, to ALLAN at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | CANDY | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | DATIS | — | 012 (003.9) | -8.0 | 6.4 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ALLAN | — | 012 (003.9) | -8.0 | 15.2 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY | 322 (313.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | DATIS | 307 (298.6) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |

CANDY BRAVO ARRIVAL

From CANDY, to DATIS at or above 6000FT, to BERRY at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | CANDY | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | DATIS | — | 012 (003.9) | -8.0 | 6.4 | — | +6000 | — | — | RNAV1 |
| 003 | TF | BERRY | — | 009 (000.9) | -8.0 | 16.2 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY | 322 (313.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | DATIS | 307 (298.6) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

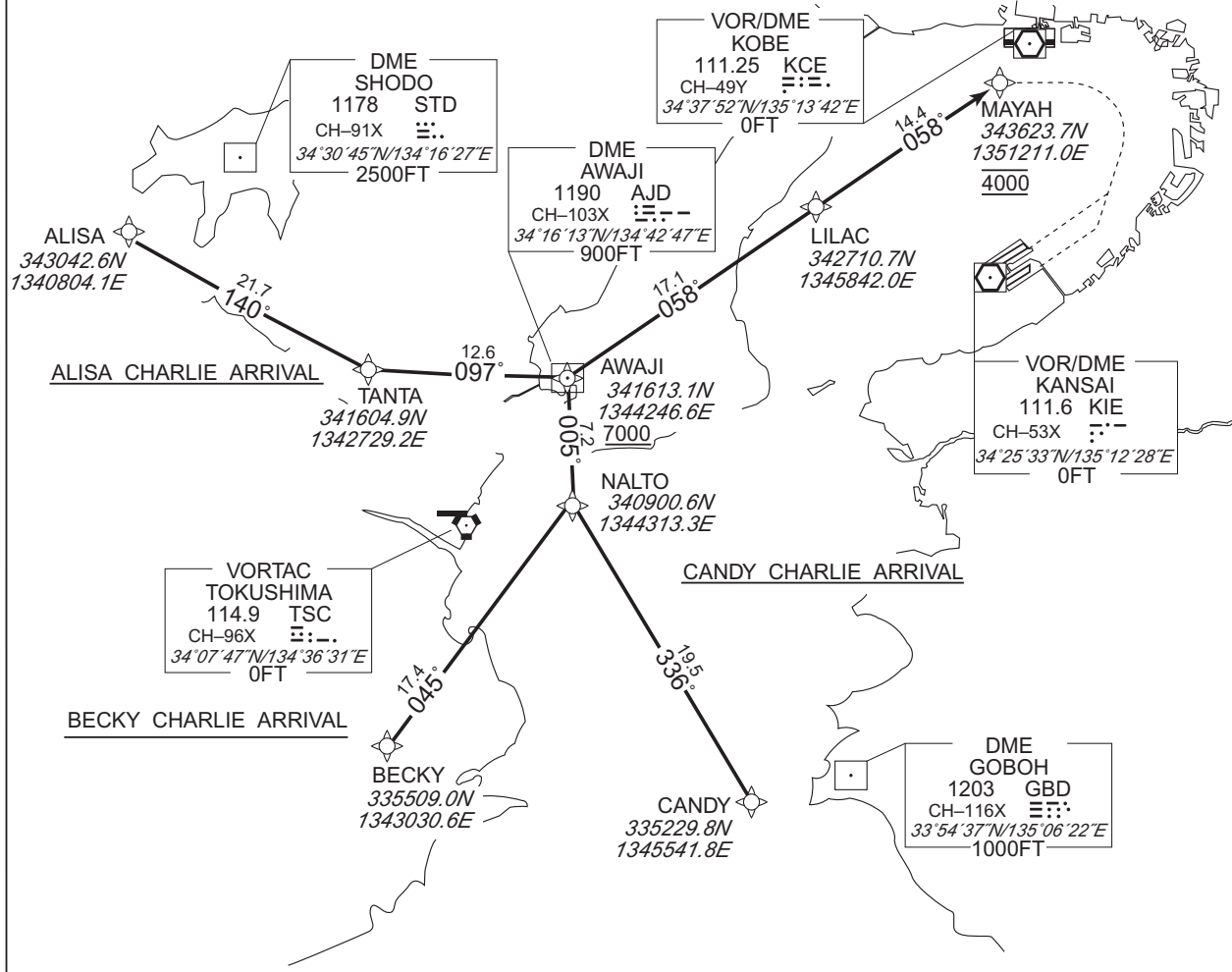
RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

| | |
|---|-------|
| ALISA CHARLIE ARRIVAL BECKY CHARLIE ARRIVAL CANDY CHARLIE ARRIVAL | RNAV1 |
|---|-------|

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

VAR 8° W



CHANGE : Description of VAR.

| NOT TO SCALE | NOT TO SCALE | NOT TO SCALE | NOT TO SCALE |
|--|--|--|--|
| MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) |
| <p>ALISA MHA 10000</p> | <p>BECKY MHA 8000</p> | <p>CANDY MHA 9000</p> | <p>LILAC MHA 3000</p> |
| 1MIN(at or below FL140) 1.5MIN(above FL140) | 1MIN(at or below FL140) 1.5MIN(above FL140) | 1MIN(at or below FL140) 1.5MIN(above FL140) | 1MIN(at or below FL140) 1.5MIN(above FL140) |

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

ALISA CHARLIE ARRIVAL

From ALISA, to TANTA, to AWAJI at or above 7000FT, to LILAC, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | ALISA | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 140 (132.3) | -8.0 | 21.7 | — | — | — | — | RNAV1 |
| 003 | TF | AWAJI | — | 097 (089.3) | -8.0 | 12.6 | — | +7000 | — | — | RNAV1 |
| 004 | TF | LILAC | — | 058 (050.1) | -8.0 | 17.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 058 (050.3) | -8.0 | 14.4 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | ALISA | 142 (134.0) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 10000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |

BECKY CHARLIE ARRIVAL

From BECKY, to NALTO, to AWAJI at or above 7000FT, to LILAC, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | BECKY | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 045 (037.2) | -8.0 | 17.4 | — | — | — | — | RNAV1 |
| 003 | TF | AWAJI | — | 005 (357.1) | -8.0 | 7.2 | — | +7000 | — | — | RNAV1 |
| 004 | TF | LILAC | — | 058 (050.1) | -8.0 | 17.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 058 (050.3) | -8.0 | 14.4 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BECKY | 058 (050.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : Critical DME deleted.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

CANDY CHARLIE ARRIVAL

From CANDY, to NALTO, to AWAJI at or above 7000FT, to LILAC, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | CANDY | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 336 (328.0) | -8.0 | 19.5 | — | — | — | — | RNAV1 |
| 003 | TF | AWAJI | — | 005 (357.1) | -8.0 | 7.2 | — | +7000 | — | — | RNAV1 |
| 004 | TF | LILAC | — | 058 (050.1) | -8.0 | 17.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 058 (050.3) | -8.0 | 14.4 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY | 322 (313.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : Critical DME deleted.

STANDARD ARRIVAL CHART - INSTRUMENT

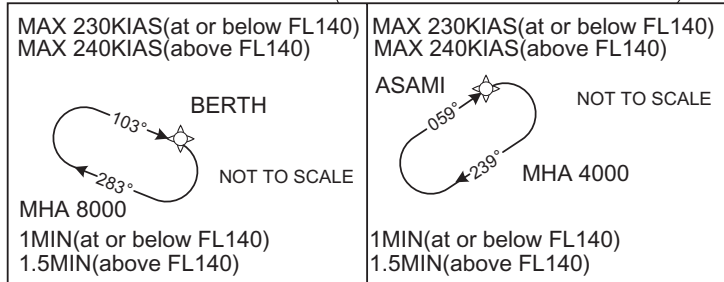
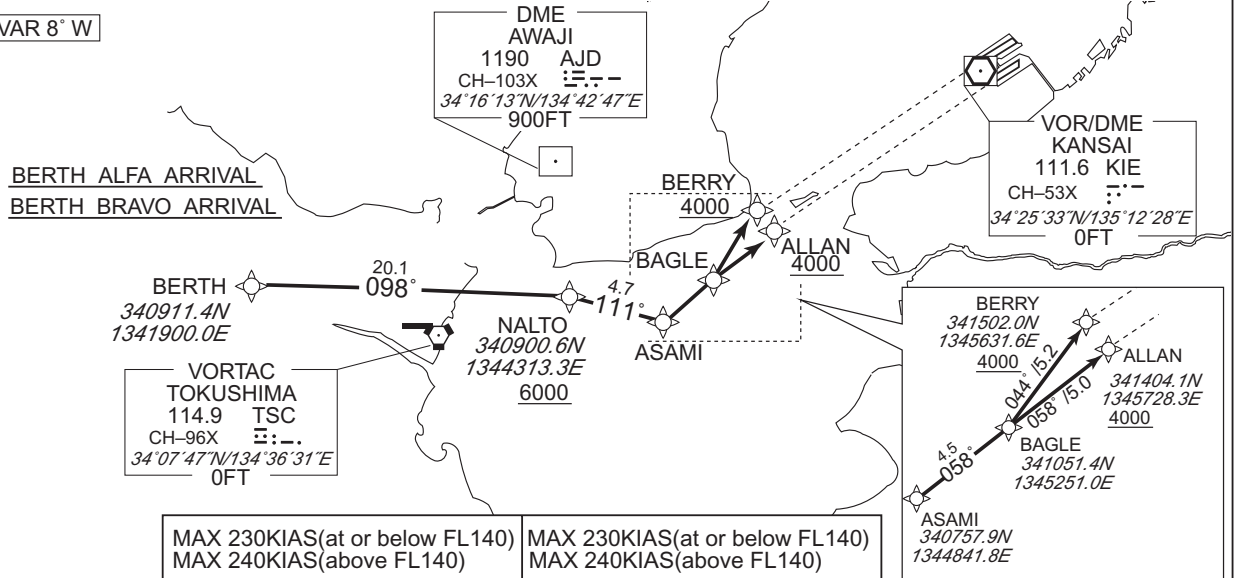
RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

BERTH ALFA / BRAVO ARRIVAL RNAV1

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

VAR 8° W



BERTH ALFA ARRIVAL

From BERTH, to NALTO at or above 6000FT, to ASAMI, to BAGLE, to ALLAN at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | AJD : 8.1NM to NALTO - 5.1NM to NALTO |
| DME GAP | - |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

CHANGE : Description of VAR.

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | BERTH | - | - | -8.0 | - | - | - | - | - | RNAV1 |
| 002 | TF | NALTO | - | 098 (090.4) | -8.0 | 20.1 | - | +6000 | - | - | RNAV1 |
| 003 | TF | ASAMI | - | 111 (103.0) | -8.0 | 4.7 | - | - | - | - | RNAV1 |
| 004 | TF | BAGLE | - | 058 (049.9) | -8.0 | 4.5 | - | - | - | - | RNAV1 |
| 005 | TF | ALLAN | - | 058 (049.9) | -8.0 | 5.0 | - | +4000 | - | - | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH | 103 (095.4) | -8.0 | 1.0(-14000) 1.5(+14001) | - | R | 8000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -8.0 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

BERTH BRAVO ARRIVAL

From BERTH, to NALTO at or above 6000FT, to ASAMI, to BAGLE, to BERRY at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | AJD : 8.1NM to NALTO - 5.1NM to NALTO |
| DME GAP | — |
| Inappropriate Nav aids | 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 | BERTH | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 098 (090.4) | -8.0 | 20.1 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 111 (103.0) | -8.0 | 4.7 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 058 (049.9) | -8.0 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | BERRY | — | 044 (036.0) | -8.0 | 5.2 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH | 103 (095.4) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR.

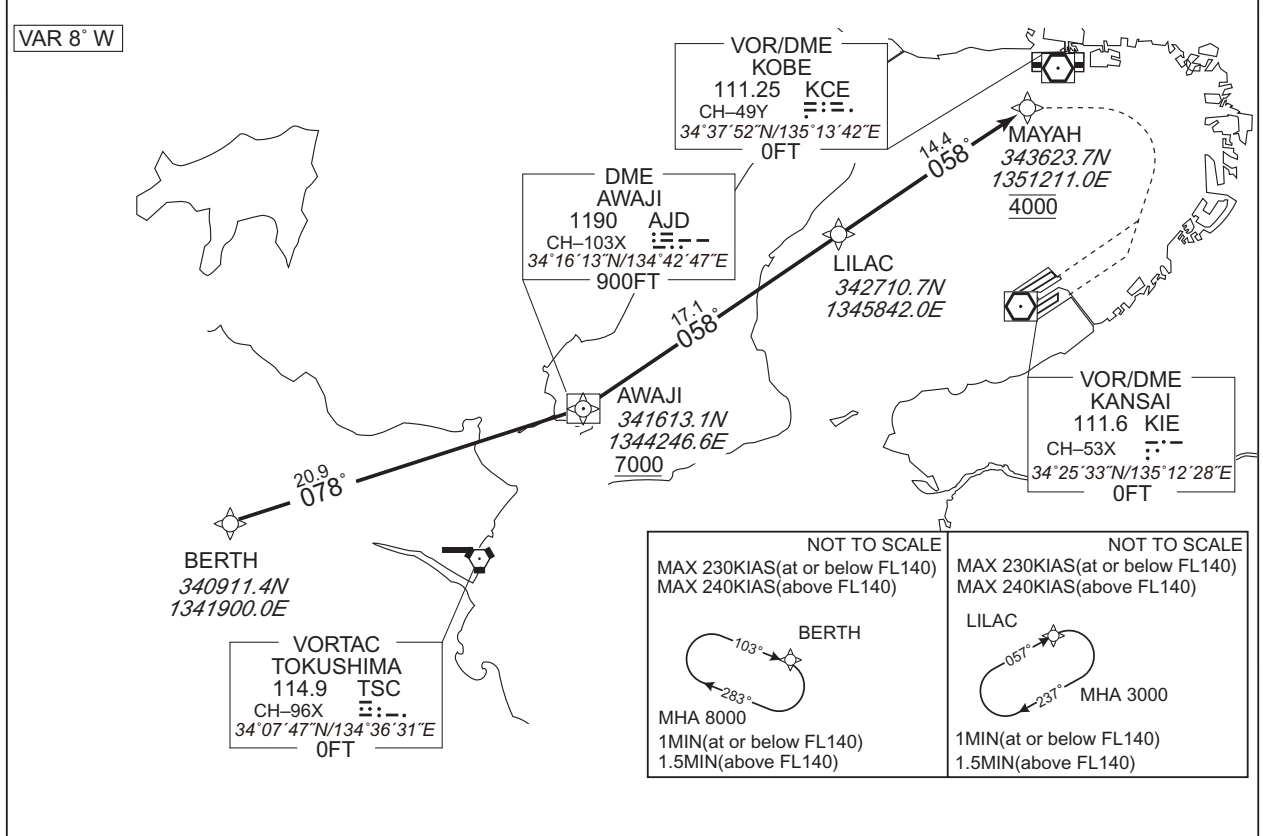
STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

BERTH CHARLIE ARRIVAL RNAV1

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



From BERTH, to AWAJI at or above 7000FT, to LILAC, to MAYAH at 4000FT.

| | |
|------------------------|--|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAV AIDs 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 | BERTH | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | AWAJI | — | 078 (070.2) | -8.0 | 20.9 | — | +7000 | — | — | RNAV1 |
| 003 | TF | LILAC | — | 058 (050.1) | -8.0 | 17.1 | — | — | — | — | RNAV1 |
| 004 | TF | MAYAH | — | 058 (050.3) | -8.0 | 14.4 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH | 103 (095.4) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : Critical DME deleted.

STANDARD ARRIVAL CHART - INSTRUMENT

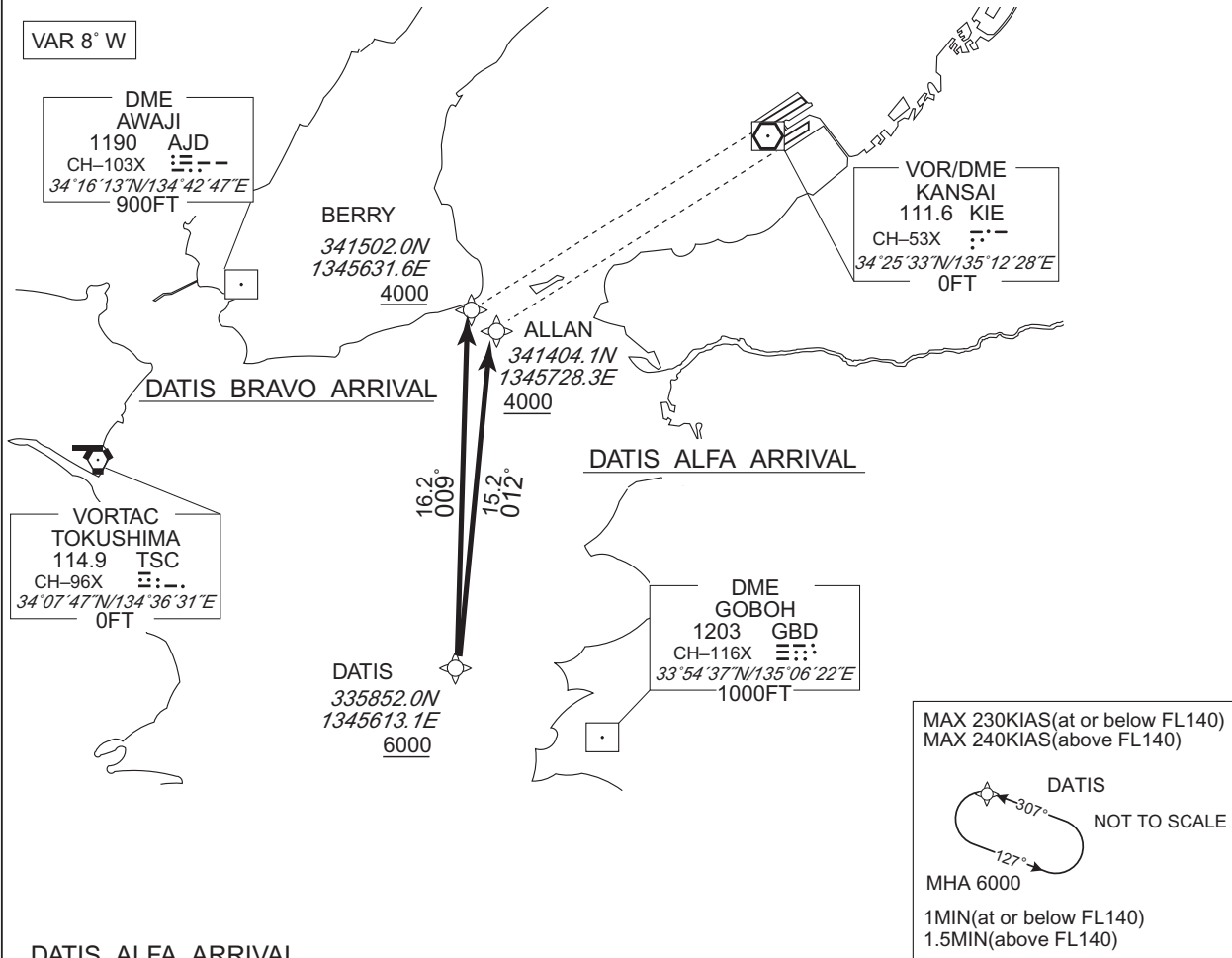
RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

DATIS ALFA ARRIVAL
DATIS BRAVO ARRIVAL

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

RNAV1



DATIS ALFA ARRIVAL

From DATIS at or above 6000FT, to ALLAN at or above 4000FT.

| | |
|------------------------|---|
| Critical DME | - |
| DME GAP | - |
| Inappropriate Nav aids | 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 | DATIS | - | - | -8.0 | - | - | +6000 | - | - | RNAV1 |
| 002 | TF | ALLAN | - | 012 (003.9) | -8.0 | 15.2 | - | +4000 | - | - | RNAV1 |

| Path | Waypoint Identifier | Inbound Course M(T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|---------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DATIS | 307 (298.6) | -8.0 | 1.0(-14000) 1.5(+14001) | - | L | 6000 | - | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : Description of VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

DATIS BRAVO ARRIVAL

From DATIS at or above 6000FT, to BERRY at or above 4000FT.

| | |
|-----------------------|---|
| Critical DME | — |
| 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 | DATIS | — | — | -8.0 | — | — | +6000 | — | — | RNAV1 |
| 002 | TF | BERRY | — | 009 (000.9) | -8.0 | 16.2 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DATIS | 307 (298.6) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

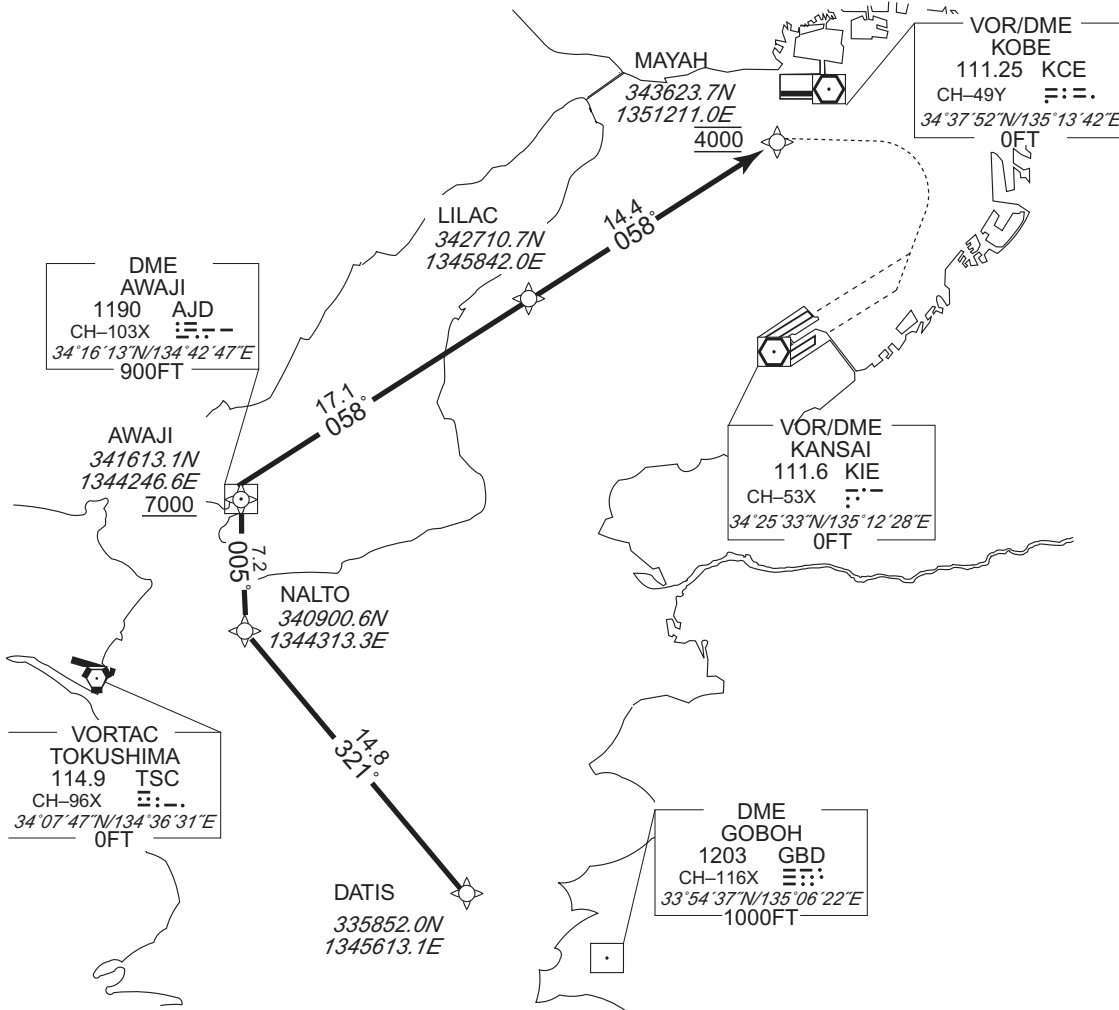
RNAV STAR RWY24L/24R

DATIS CHARLIE ARRIVAL

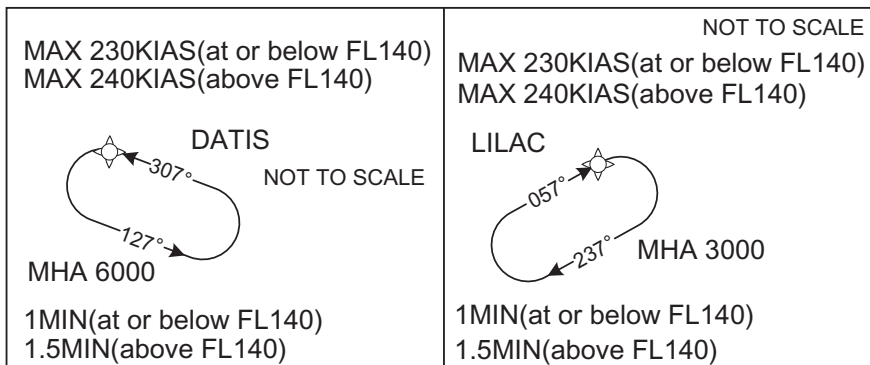
Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.

RNAV1

VAR 8° W



CHANGE : Description of VAR and PROC name.



STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

DATIS CHARLIE ARRIVAL

From DATIS, to NALTO, to AWAJI at or above 7000FT, to LILAC, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | — |
| DME GAP | — |
| Inappropriate Nav aids | 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 | DATIS | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 321 (313.4) | -8.0 | 14.8 | — | — | — | — | RNAV1 |
| 003 | TF | AWAJI | — | 005 (357.1) | -8.0 | 7.2 | — | +7000 | — | — | RNAV1 |
| 004 | TF | LILAC | — | 058 (050.1) | -8.0 | 17.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 058 (050.3) | -8.0 | 14.4 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DATIS | 307 (298.6) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : Critical DME deleted.

STANDARD ARRIVAL CHART - INSTRUMENT

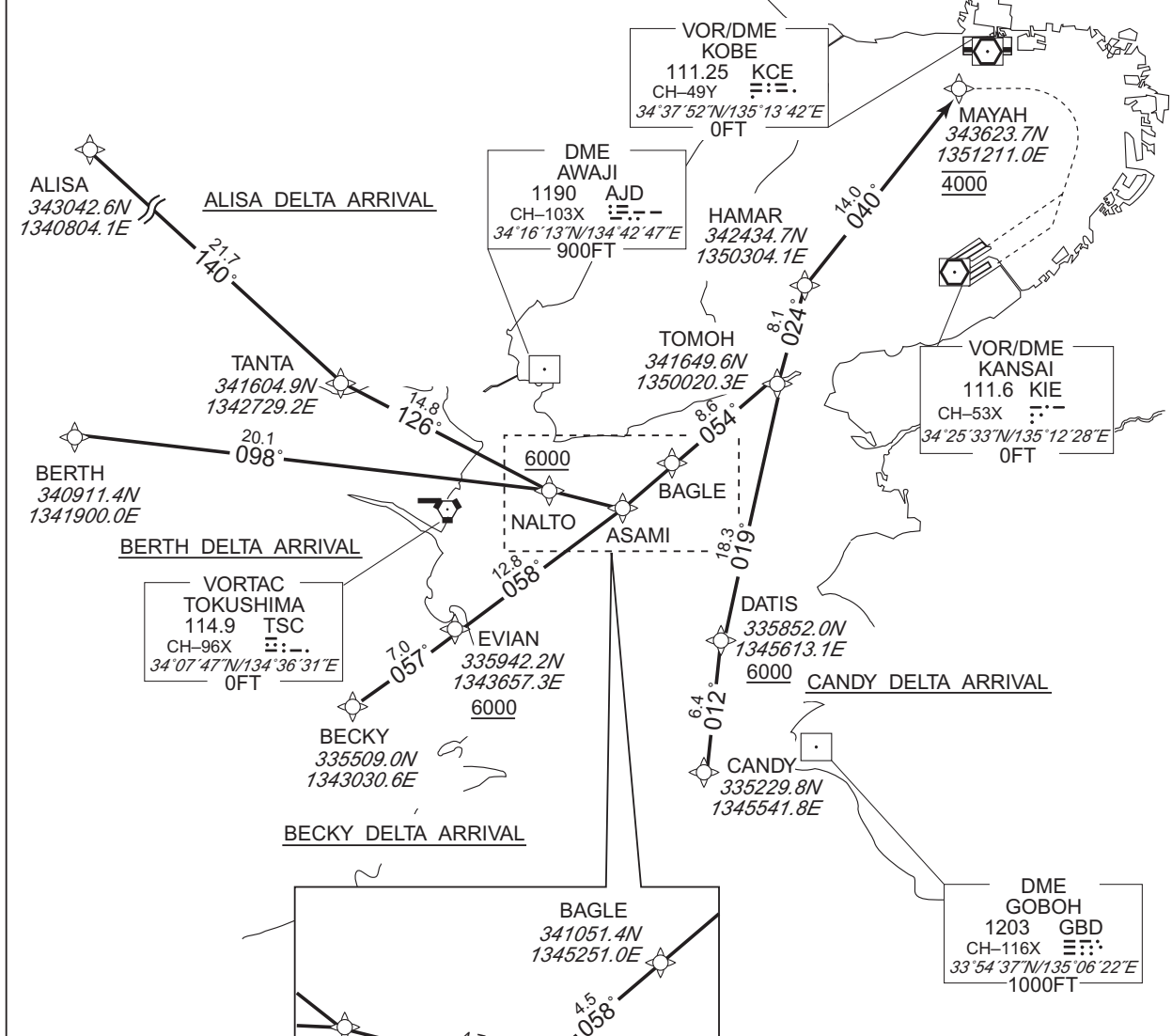
RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

| | |
|--|-------|
| ALISA DELTA ARRIVAL BECKY DELTA ARRIVAL BERTH DELTA ARRIVAL CANDY DELTA ARRIVAL | RNAV1 |
|--|-------|

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

VAR 8° W



CHANGE : Description of VAR.

| | | | | | |
|--|---|---|---|---|---|
| MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) NOT TO SCALE ALISA MHA 10000 1MIN(at or below FL140) 1.5MIN(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) NOT TO SCALE BERTH MHA 8000 1MIN(at or below FL140) 1.5MIN(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) NOT TO SCALE BECKY MHA 8000 1MIN(at or below FL140) 1.5MIN(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) NOT TO SCALE ASAMI MHA 4000 1MIN(at or below FL140) 1.5MIN(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) NOT TO SCALE CANDY MHA 9000 1MIN(at or below FL140) 1.5MIN(above FL140) | MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140) NOT TO SCALE DATIS MHA 6000 NOT TO SCALE 1MIN(at or below FL140) 1.5MIN(above FL140) |
|--|---|---|---|---|---|

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

ALISA DELTA ARRIVAL

From ALISA, to TANTA, to NALTO at or above 6000FT, to ASAMI, to BAGLE, to TOMOH, to HAMAR, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | AJD : 2.0NM to MAYAH - MAYAH GBD : 7.1NM to HAMAR - 5.1NM to HAMAR |
| DME GAP | - |
| Inappropriate Nav aids | 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 | ALISA | - | - | -8.0 | - | - | - | - | - | RNAV1 |
| 002 | TF | TANTA | - | 140 (132.3) | -8.0 | 21.7 | - | - | - | - | RNAV1 |
| 003 | TF | NALTO | - | 126 (118.4) | -8.0 | 14.8 | - | +6000 | - | - | RNAV1 |
| 004 | TF | ASAMI | - | 111 (103.0) | -8.0 | 4.7 | - | - | - | - | RNAV1 |
| 005 | TF | BAGLE | - | 058 (049.9) | -8.0 | 4.5 | - | - | - | - | RNAV1 |
| 006 | TF | TOMOH | - | 054 (046.0) | -8.0 | 8.6 | - | - | - | - | RNAV1 |
| 007 | TF | HAMAR | - | 024 (016.2) | -8.0 | 8.1 | - | - | - | - | RNAV1 |
| 008 | TF | MAYAH | - | 040 (032.4) | -8.0 | 14.0 | - | 4000 | - | - | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | ALISA | 142 (134.0) | -8.0 | 1.0(-14000) 1.5(+14001) | - | R | 10000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -8.0 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

BECKY DELTA ARRIVAL

From BECKY, to EVIAN at or above 6000FT, to ASAMI, to BAGLE, to TOMOH, to HAMAR, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | GBD : 7.1NM to HAMAR - 5.1NM to HAMAR AJD : 2.0NM to MAYAH - MAYAH |
| DME GAP | - |
| Inappropriate Nav aids | 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 | BECKY | - | - | -8.0 | - | - | - | - | - | RNAV1 |
| 002 | TF | EVIAN | - | 057 (049.5) | -8.0 | 7.0 | - | +6000 | - | - | RNAV1 |
| 003 | TF | ASAMI | - | 058 (049.6) | -8.0 | 12.8 | - | - | - | - | RNAV1 |
| 004 | TF | BAGLE | - | 058 (049.9) | -8.0 | 4.5 | - | - | - | - | RNAV1 |
| 005 | TF | TOMOH | - | 054 (046.0) | -8.0 | 8.6 | - | - | - | - | RNAV1 |
| 006 | TF | HAMAR | - | 024 (016.2) | -8.0 | 8.1 | - | - | - | - | RNAV1 |
| 007 | TF | MAYAH | - | 040 (032.4) | -8.0 | 14.0 | - | 4000 | - | - | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BECKY | 058 (050.2) | -8.0 | 1.0(-14000) 1.5(+14001) | - | R | 8000 | - | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -8.0 | 1.0(-14000) 1.5(+14001) | - | R | 4000 | - | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR. Course FM EVIAN to ASAMI.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

BERTH DELTA ARRIVAL

From BERTH to NALTO at or above 6000FT, to ASAMI, to BAGLE, to TOMOH, to HAMAR, to MAYAH at 4000FT.

| | |
|------------------------|--|
| Critical DME | AJD : 8.1NM to NALTO - 5.1NM to NALTO 2.0NM to MAYAH - MAYAH GBD : 7.1NM to HAMAR - 5.1NM to HAMAR |
| DME GAP | — |
| Inappropriate Nav aids | 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 | BERTH | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 098 (090.4) | -8.0 | 20.1 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 111 (103.0) | -8.0 | 4.7 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 058 (049.9) | -8.0 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | TOMOH | — | 054 (046.0) | -8.0 | 8.6 | — | — | — | — | RNAV1 |
| 006 | TF | HAMAR | — | 024 (016.2) | -8.0 | 8.1 | — | — | — | — | RNAV1 |
| 007 | TF | MAYAH | — | 040 (032.4) | -8.0 | 14.0 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH | 103 (095.4) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

CANDY DELTA ARRIVAL

From CANDY, to DATIS at or above 6000FT, to TOMOH, to HAMAR, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | GBD : 7.1NM to HAMAR - 5.1NM to HAMAR AJD : 2.0NM to MAYAH - MAYAH |
| DME GAP | — |
| Inappropriate Nav aids | 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 | CANDY | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | DATIS | — | 012 (003.9) | -8.0 | 6.4 | — | +6000 | — | — | RNAV1 |
| 003 | TF | TOMOH | — | 019 (010.7) | -8.0 | 18.3 | — | — | — | — | RNAV1 |
| 004 | TF | HAMAR | — | 024 (016.2) | -8.0 | 8.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 040 (032.4) | -8.0 | 14.0 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY | 322 (313.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | DATIS | 307 (298.6) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR.

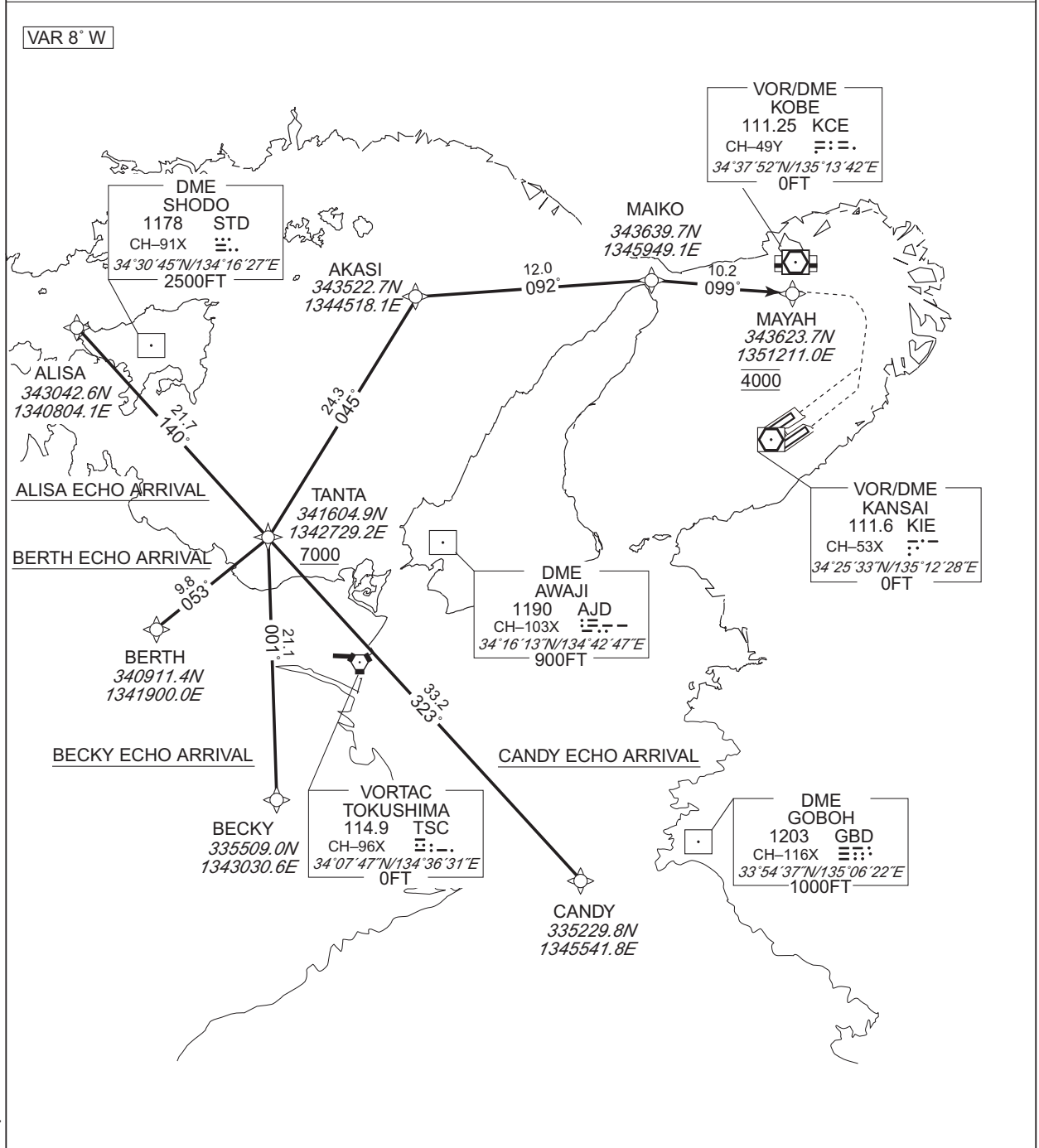
STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

| | |
|--|-------|
| ALISA ECHO ARRIVAL BECKY ECHO ARRIVAL BERTH ECHO ARRIVAL CANDY ECHO ARRIVAL | RNAV1 |
|--|-------|

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



CHANGE : Description of VAR.

| | | | | |
|--|--|--|--|--|
| <p>MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)</p> <p>NOT TO SCALE</p> <p>ALISA MHA 10000</p> <p>1MIN(at or below FL140) 1.5MIN(above FL140)</p> | <p>MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)</p> <p>BERTH</p> <p>BERTH MHA 8000</p> <p>NOT TO SCALE</p> <p>1MIN(at or below FL140) 1.5MIN(above FL140)</p> | <p>MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)</p> <p>BECKY</p> <p>BECKY MHA 8000</p> <p>NOT TO SCALE</p> <p>1MIN(at or below FL140) 1.5MIN(above FL140)</p> | <p>MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)</p> <p>AKASI</p> <p>AKASI MHA 4000</p> <p>NOT TO SCALE</p> <p>1MIN(at or below FL140) 1.5MIN(above FL140)</p> | <p>MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)</p> <p>CANDY</p> <p>CANDY MHA 9000</p> <p>NOT TO SCALE</p> <p>1MIN(at or below FL140) 1.5MIN(above FL140)</p> |
|--|--|--|--|--|

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

ALISA ECHO ARRIVAL

From ALISA, to TANTA at or above 7000FT, to AKASI, to MAIKO, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI AJD : 14.3NM to AKASI - 9.3NM to AKASI |
| DME GAP | — |
| Inappropriate Nav aids | 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 | ALISA | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 140 (132.3) | -8.0 | 21.7 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -8.0 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 092 (083.8) | -8.0 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -8.0 | 10.2 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | ALISA | 142 (134.0) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 10000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | AKASI | 092 (083.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

BECKY ECHO ARRIVAL

From BECKY, to TANTA at or above 7000FT, to AKASI, to MAIKO, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI AJD : 14.3NM to AKASI - 9.3NM to AKASI |
| DME GAP | — |
| Inappropriate Nav aids | 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 | BECKY | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 001 (353.2) | -8.0 | 21.1 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -8.0 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 092 (083.8) | -8.0 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -8.0 | 10.2 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BECKY | 058 (050.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | AKASI | 092 (083.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : Minimum ALT at AKASI.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

BERTH ECHO ARRIVAL

From BERTH, to TANTA at or above 7000FT, to AKASI, to MAIKO, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI AJD : 14.3NM to AKASI - 9.3NM to AKASI |
| DME GAP | — |
| Inappropriate Nav aids | 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 | BERTH | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 053 (045.5) | -8.0 | 9.8 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -8.0 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 092 (083.8) | -8.0 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -8.0 | 10.2 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH | 103 (095.4) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | AKASI | 092 (083.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CANDY ECHO ARRIVAL

From CANDY, to TANTA at or above 7000FT, to AKASI, to MAIKO, to MAYAH at 4000FT.

| | |
|------------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI AJD : 14.3NM to AKASI - 9.3NM to AKASI |
| DME GAP | — |
| Inappropriate Nav aids | 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 | CANDY | — | — | -8.0 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 323 (315.4) | -8.0 | 33.2 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -8.0 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 092 (083.8) | -8.0 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -8.0 | 10.2 | — | 4000 | — | — | RNAV1 |

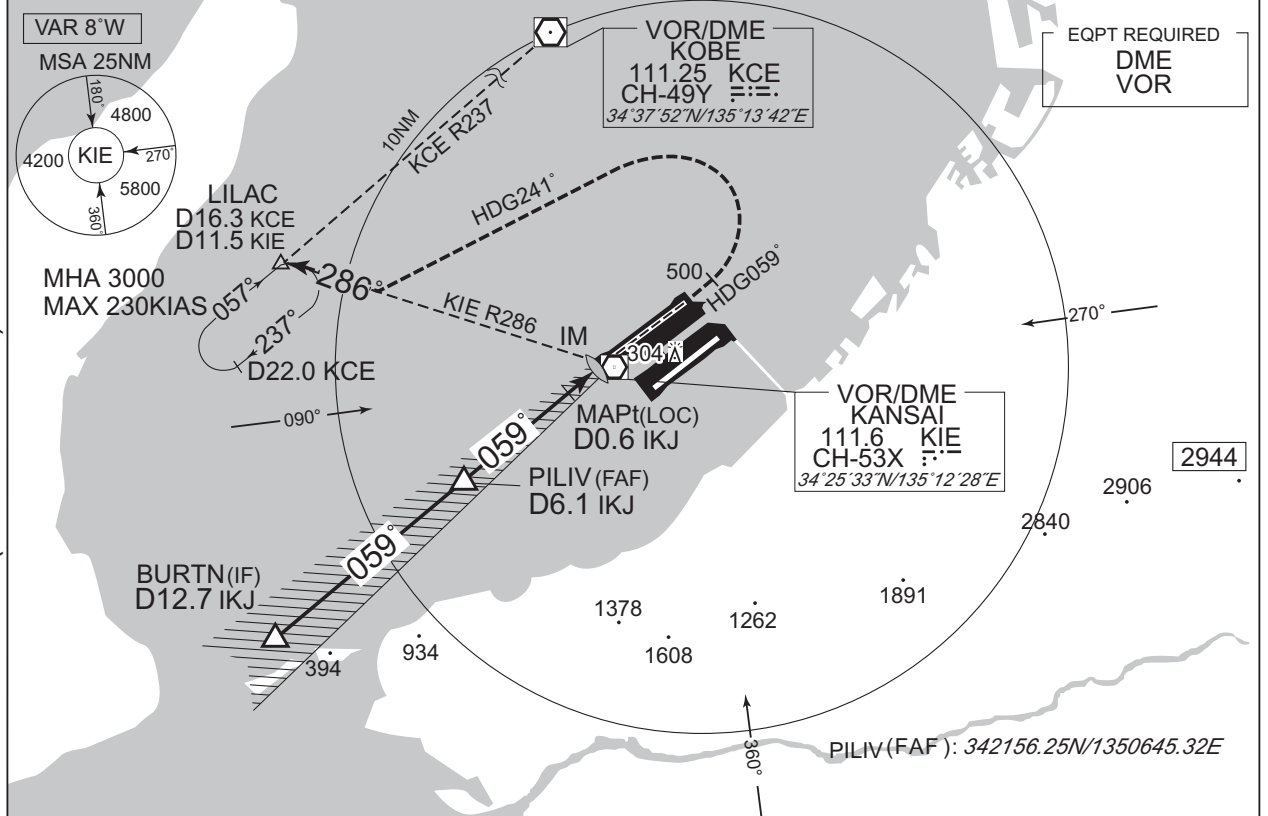
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY | 322 (313.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | AKASI | 092 (083.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : Minimum ALT at AKASI.

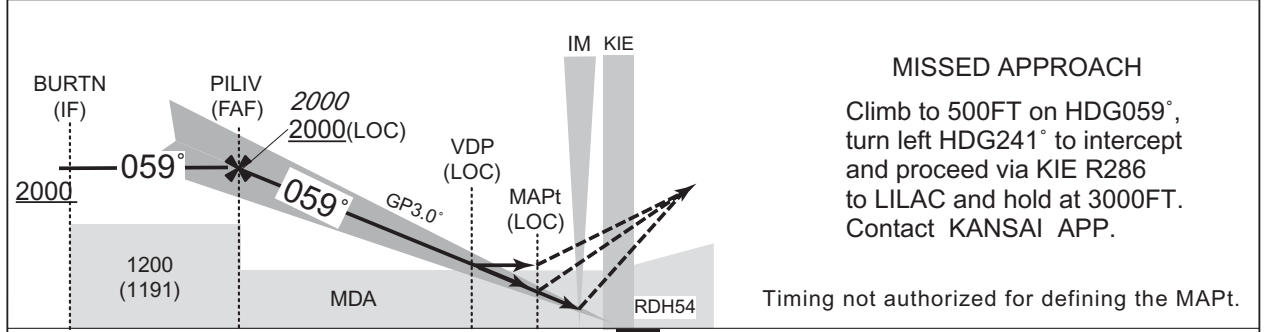
INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL ILS Z or LOC Z RWY06L (CAT II)

| | | | |
|---------------------------------------|--|---|---------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | ILS - LOC 108.7 IKJ ILS-GP 330.5 ILS-DME CH-24X | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|--|---|---------------------------|



| | | | | | | | | |
|---------------------|------|------|------|------|-----|-----|-----|------|
| NM to IKJ | FAF | 6 | 5 | 4 | 3 | 2 | 1 | MAPt |
| ALT(3.0° APCH Path) | 2000 | 1918 | 1599 | 1281 | 962 | 644 | 325 | - |



| | | | | | | |
|------|-----|-----|-----|-----|-----|------------|
| 12.7 | 6.1 | 0.9 | 0.6 | 0.3 | 0.2 | DME to IKJ |
| 12.5 | 6.0 | 0.7 | 0.5 | 0.1 | 0 | NM to THR |

| | | | | | | | | | |
|--------|--------|-----|-------------|-------|-------------|--------|---------|----------|------|
| MINIMA | | | THR elev. 9 | | AD elev. 17 | | | | |
| CAT | CAT II | | | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RA | RVR | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | | | | | | | | | 1600 |
| B | 109 | 100 | 300 | 209 | 550 | 290 | 800 | 610 | 2400 |
| C | (100) | | | (200) | | (281) | | (593) | |
| D/DL | | | | | | | 1200 | | 3200 |

Circling to NORTH side of RWY only.

CHANGE : PILIV established. LUIGE abolished. LUIGE abolished. THR ELEV. MINIMA. OCH. ALT(3.0°APCH Path).

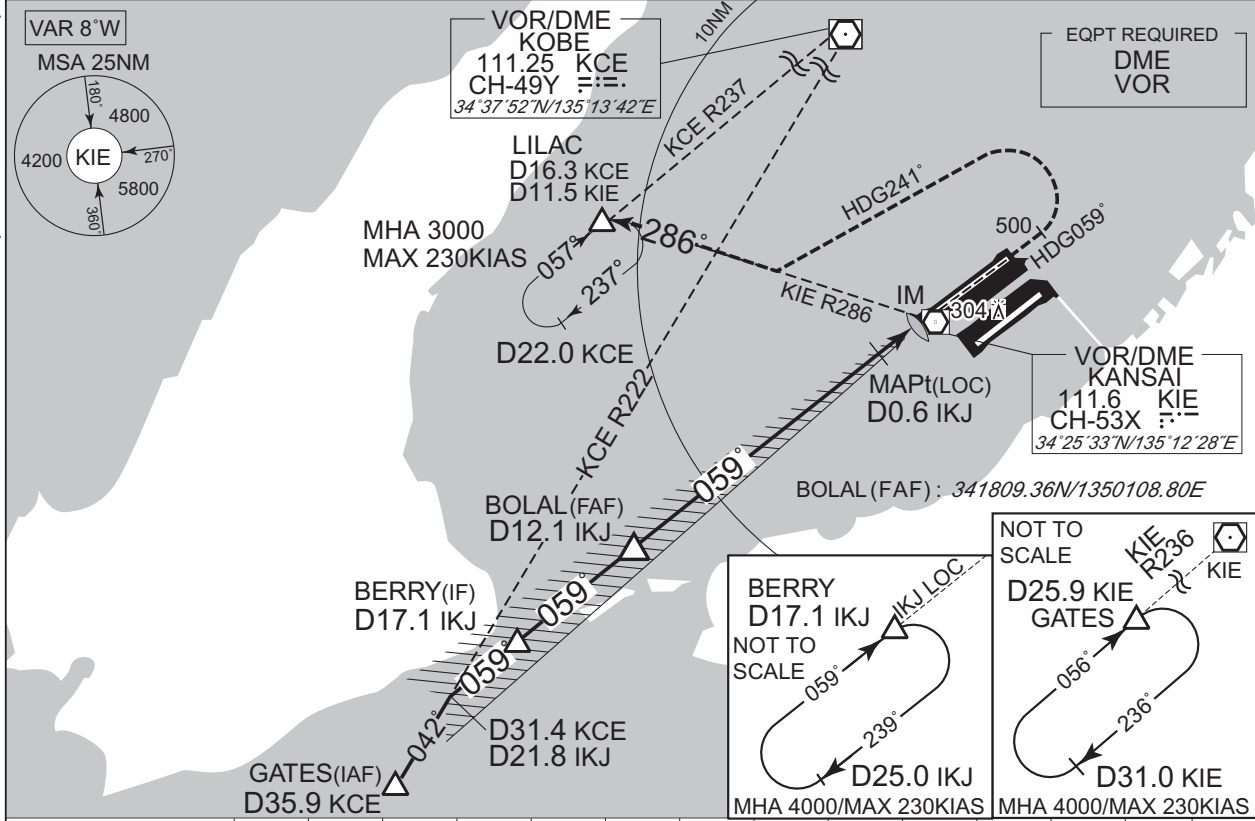
INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

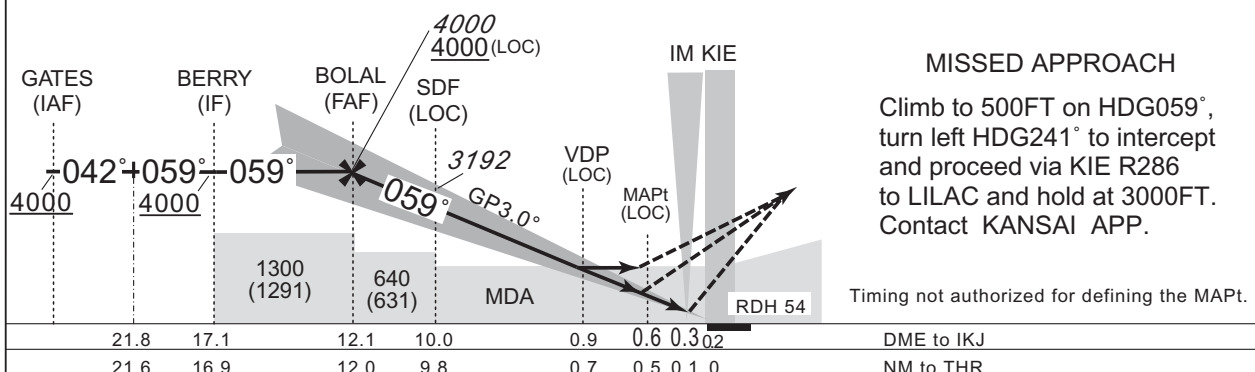
ILS Y or LOC Y RWY06L (CAT II)

| | | | |
|---------------------------------------|--|---|---------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | ILS - LOC 108.7 IKJ ILS-GP 330.5 ILS-DME CH-24X | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|--|---|---------------------------|

CHANGE : BOLAL established. JENNY abolished. PROC ALT at SDF. THR ELEV. MINIMA. OCH. ALT(3.0° APCH Path).



| | | | | | | | | | | | | | | |
|---------------------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|
| NM to IKJ | FAF | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | MAPt |
| ALT(3.0° APCH Path) | 4000 | 3829 | 3510 | 3192 | 2873 | 2555 | 2236 | 1918 | 1599 | 1281 | 962 | 644 | 325 | - |



| | | |
|--------|-------------|-------------|
| MINIMA | THR elev. 9 | AD elev. 17 |
|--------|-------------|-------------|

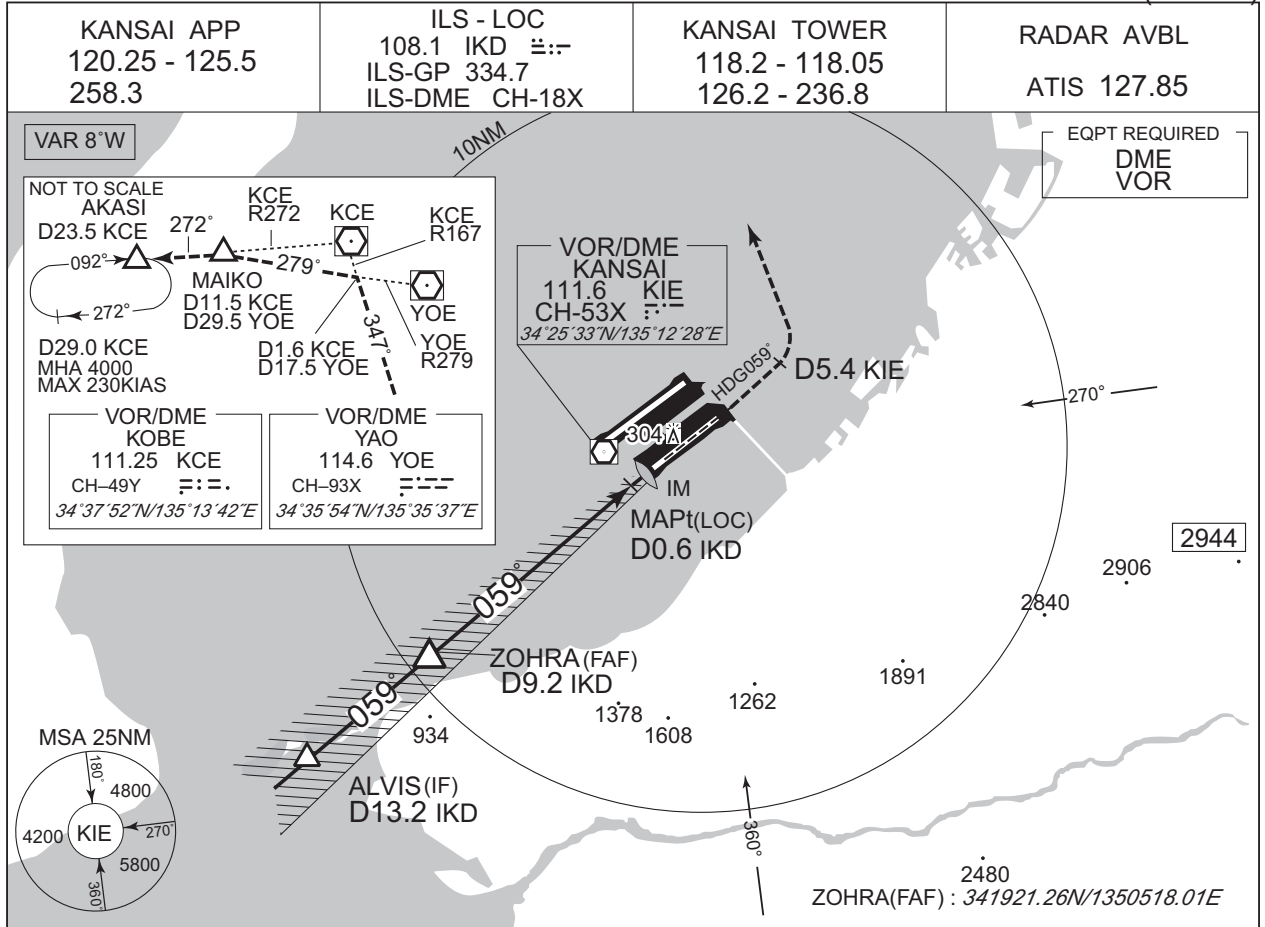
| CAT | CAT II | | | CAT I | | LOC | | CIRCLING | |
|------|--------|-----|-----|-------|---------|--------|---------|----------|------|
| | DA(H) | RA | RVR | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | | | | | | | | | 1600 |
| B | 109 | 100 | 300 | 209 | 550 | 290 | 800 | 610 | 2400 |
| C | (100) | | | (200) | | (281) | | (593) | 3200 |
| D/DL | | | | | | | 1200 | | |

Circling to NORTH side of RWY only.

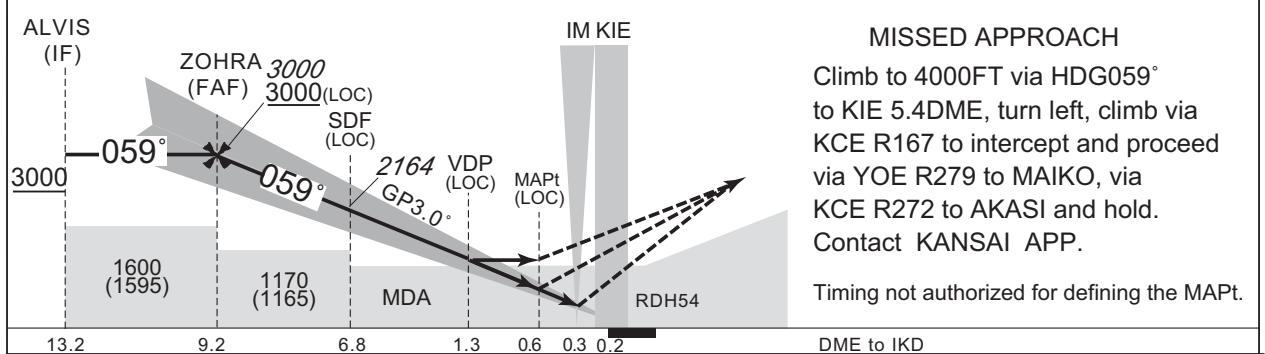
INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

ILS Z or LOC Z RWY06R (CAT II)



| | | | | | | | | | | |
|---------------------|------|------|------|------|------|------|------|-----|-----|------|
| NM to IKD | FAF | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | MAPt |
| ALT(3.0° APCH Path) | 3000 | 2865 | 2546 | 2228 | 1909 | 1591 | 1273 | 954 | 635 | - |



| | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|------------|
| 13.2 | 9.2 | 6.8 | 1.3 | 0.6 | 0.3 | 0.2 | DME to IKD |
| 13.0 | 9.0 | 6.6 | 1.1 | 0.5 | 0.1 | 0 | NM to THR |

| | | | | | | | | | |
|--------|-----------|-------------|-----|-----------|-------------|-----------|---------|-----------|------|
| MINIMA | | THR elev. 5 | | | AD elev. 17 | | | | |
| CAT | CAT II | | | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RA | RVR | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 105 (100) | 100 | 300 | 205 (200) | 550 | 390 (385) | 900 | 610 (593) | 1600 |
| B | | | | | | | 1000 | | |
| C | | | | | | | 1000 | | |
| D/DL | | | | | | | 1400 | | 3200 |

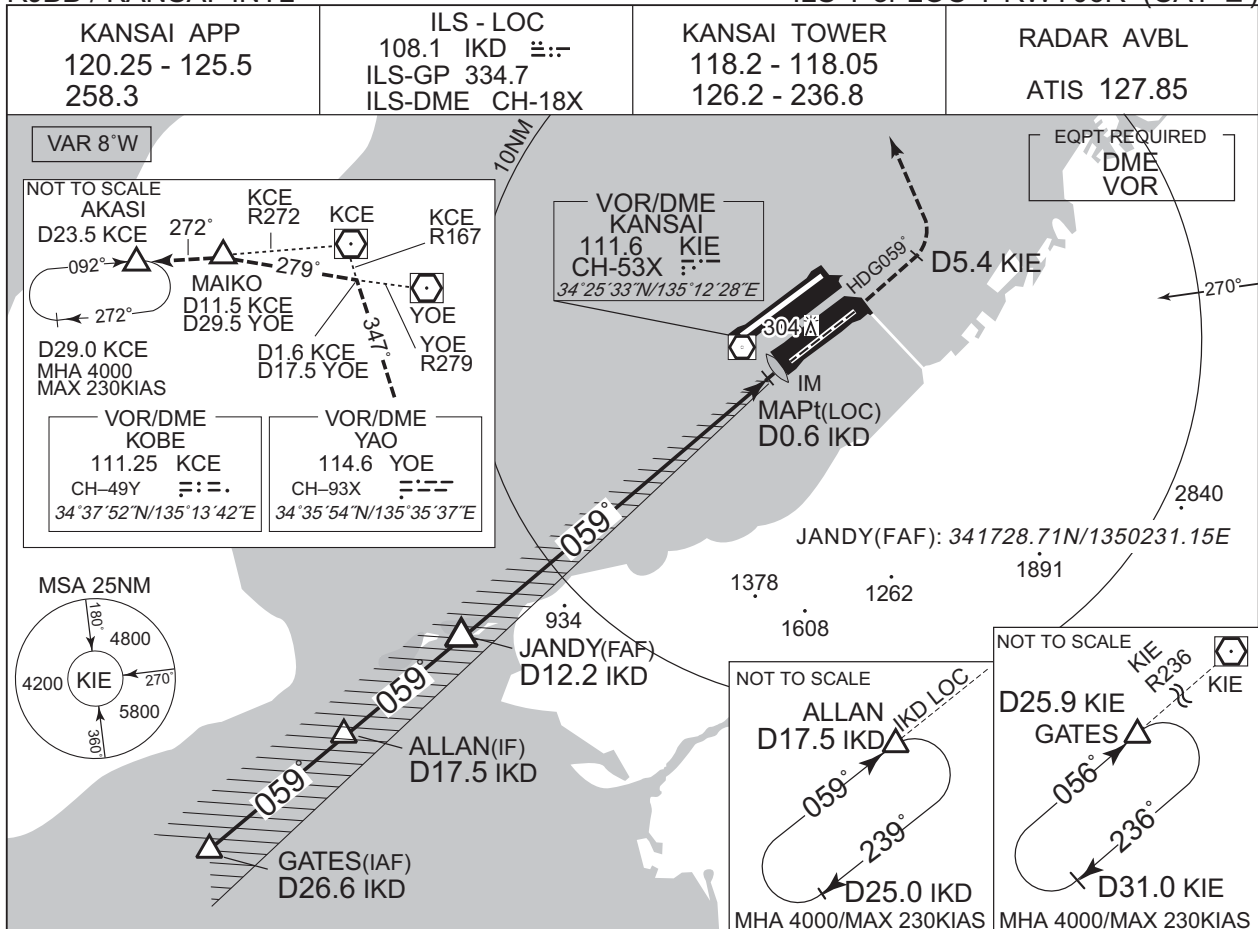
CHANGE : Description of VAR.

Circling to NORTH side of RWY only.

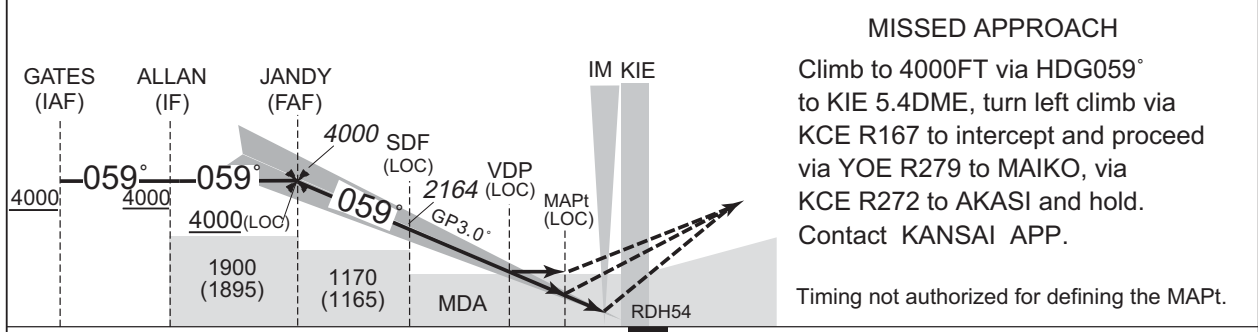
INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

ILS Y or LOC Y RWY06R (CAT II)



| | | | | | | | | | | | | | |
|---------------------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|
| NM to IKD | FAF | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | MAPt |
| ALT(3.0° APCH Path) | 4000 | 3820 | 3502 | 3183 | 2865 | 2546 | 2228 | 1909 | 1591 | 1273 | 954 | 635 | - |



| | | | | | | | | | | | | | |
|------|------|------|-----|-----|-----|-----|-----|------------|--|--|--|--|--|
| 26.6 | 17.5 | 12.2 | 6.8 | 1.3 | 0.6 | 0.3 | 0.2 | DME to IKD | | | | | |
| 26.4 | 17.4 | 12.0 | 6.6 | 1.1 | 0.5 | 0.1 | 0 | NM to THR | | | | | |

MINIMA THR elev. 5 AD elev. 17

| CAT | CAT II | | | CAT I | | LOC | | CIRCLING | |
|------|-----------|-----|-----|-----------|---------|-----------|---------|-----------|------|
| | DA(H) | RA | RVR | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 105 (100) | 100 | 300 | 205 (200) | 550 | 390 (385) | 1000 | 610 (593) | 1600 |
| B | | | | | | | | | 2400 |
| C | | | | | | | | | 3200 |
| D/DL | | | | | | | 1400 | | |

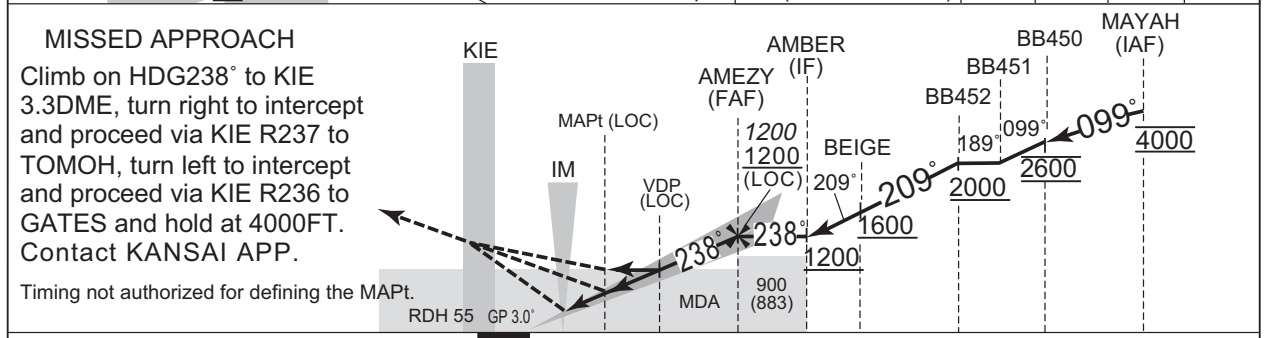
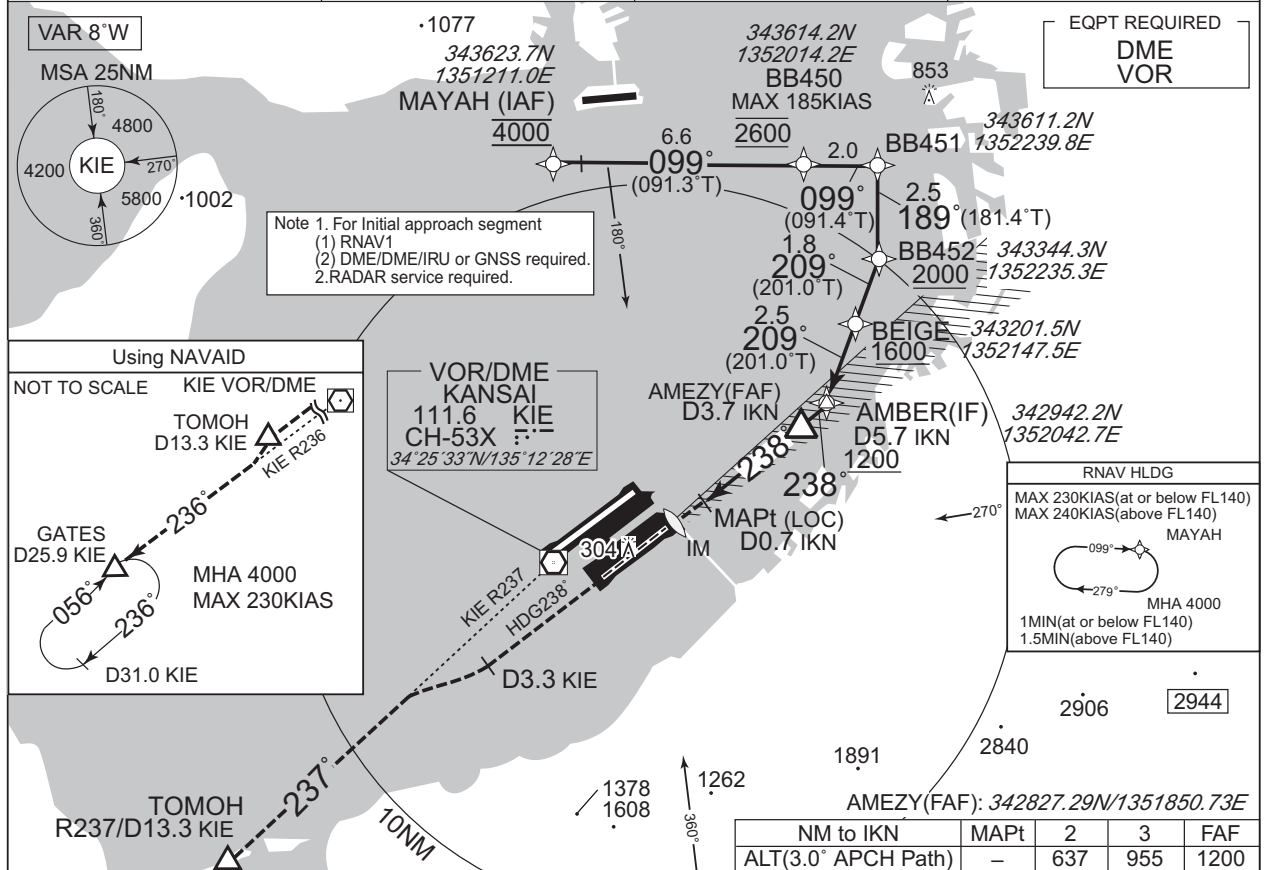
Circling to NORTH side of RWY only.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL ILS Z or LOC Z RWY24L (CAT II)

| | | | |
|---------------------------------------|--|---|---------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | ILS - LOC 110.7 IKN Ǝ:- ILS-GP 330.2 ILS-DME CH-44X | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|--|---|---------------------------|



| | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|
| DME to IKN | 0.2 | 0.3 | 0.7 | 1.3 | 3.7 | 5.7 |
| NM to THR | 0 | 0.1 | 0.5 | 1.1 | 3.5 | 5.5 |

MINIMA THR elev. 12 AD elev. 17

| CAT | CAT II | | | CAT I | | LOC | | CIRCLING | |
|------|-----------|-----|-----|-----------|---------|-----------|---------|-----------|------|
| | DA(H) | RA | RVR | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 112 (100) | 100 | 300 | 212 (200) | 550 | 390 (373) | 1000 | 610 (593) | 1600 |
| B | | | | | | | | | 2400 |
| C | | | | | | | | | 3200 |
| D/DL | | | | | | | 1400 | | |

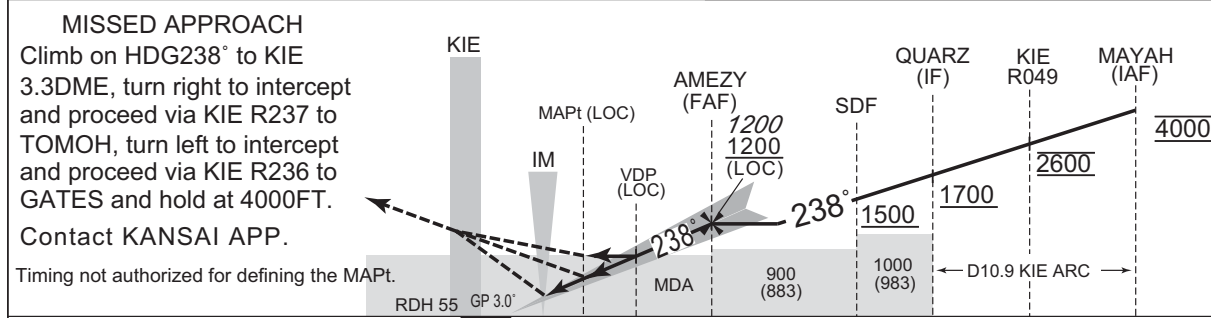
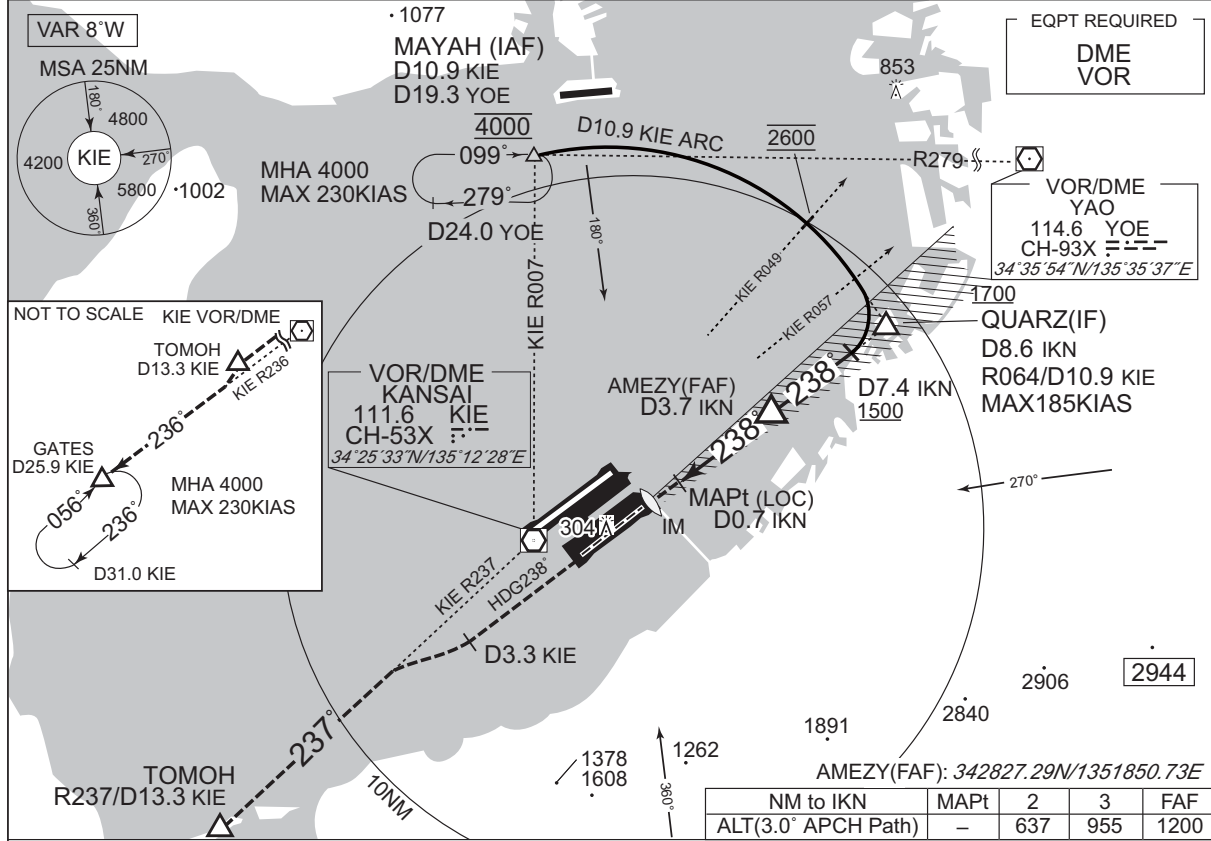
Circling to NORTH side of RWY only.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL ILS Y or LOC Y RWY24L (CAT II)

| | | | |
|---------------------------------------|---|---|---------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | ILS - LOC 110.7 IKN :- ILS-GP 330.2 ILS-DME CH-44X | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|---|---|---------------------------|



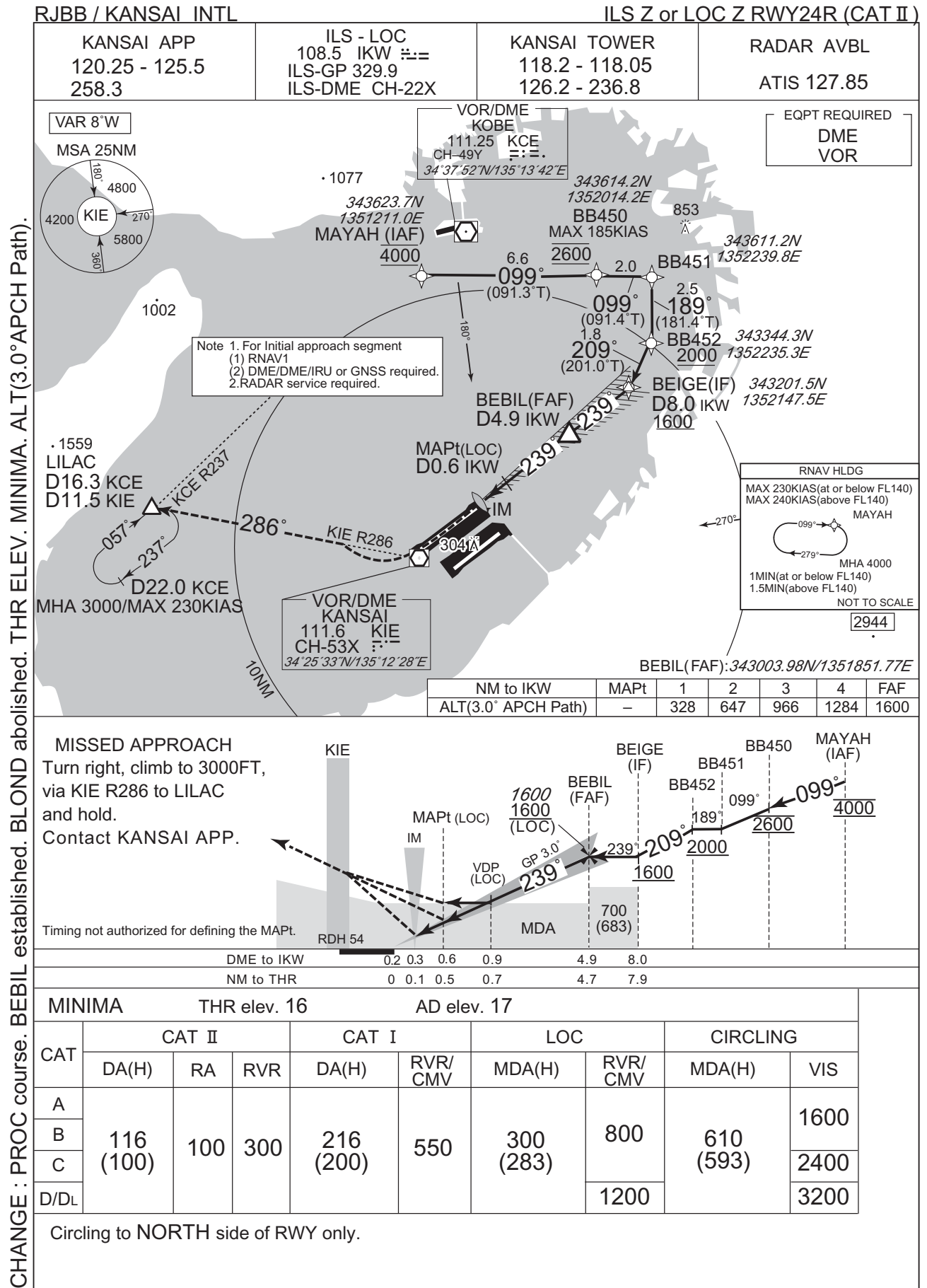
| | | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|-----|
| DME to IKN | 0.2 | 0.3 | 0.7 | 1.3 | 3.7 | 7.4 | 8.6 |
| NM to THR | 0 | 0.1 | 0.5 | 1.1 | 3.5 | 7.2 | 8.4 |

| MINIMA | | THR elev. 12 | | | AD elev. 17 | | | | |
|--------|-----------|--------------|-----|-----------|-------------|-----------|---------|-----------|------|
| CAT | CAT II | | | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RA | RVR | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 112 (100) | 100 | 300 | 212 (200) | 550 | 390 (373) | 1000 | 610 (593) | 1600 |
| B | | | | | | | | | 2400 |
| C | | | | | | | | | 3200 |
| D/DL | | | | | | | 1400 | | |

Circling to NORTH side of RWY only.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART



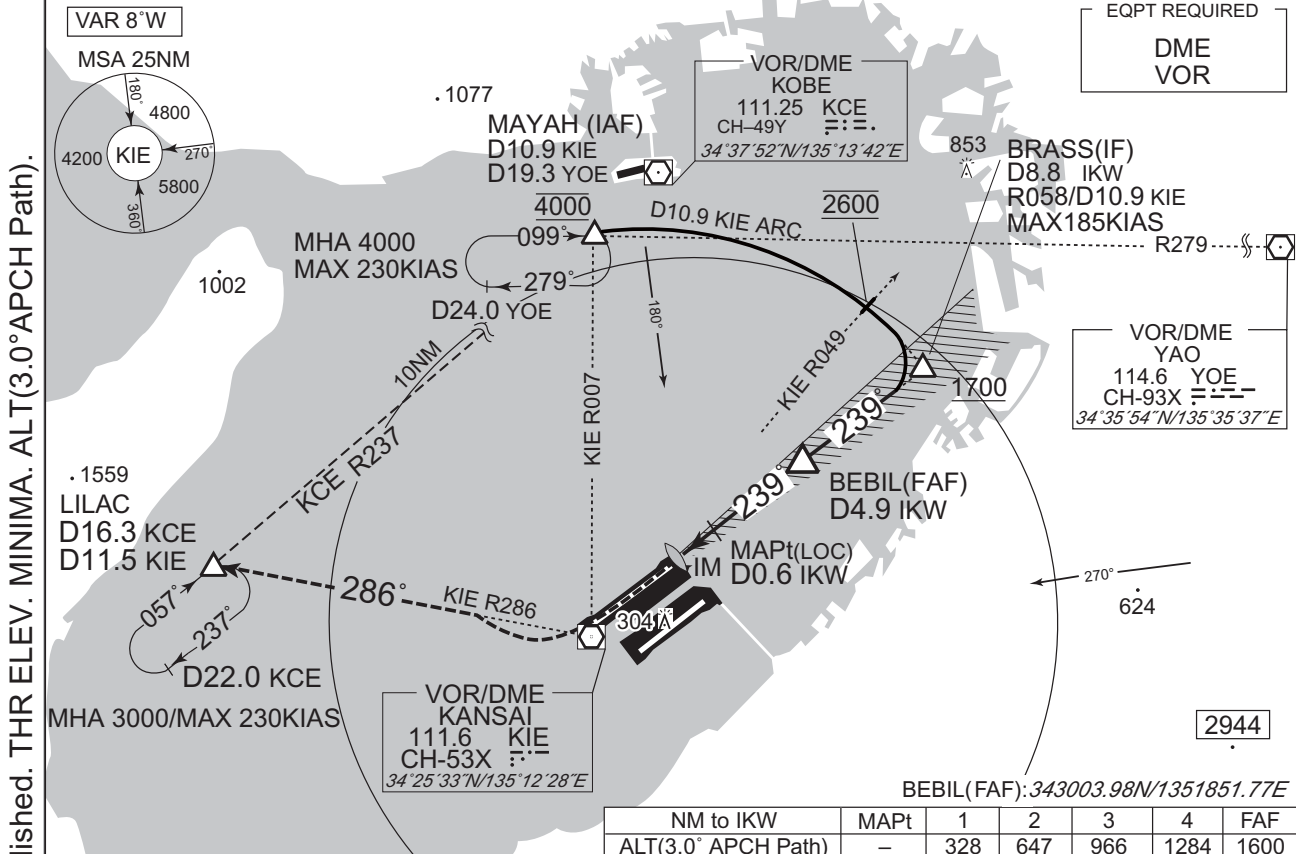
CHANGE : PROC course: BEBIL established. BLOND abolished. THR ELEV. MINIMA. ALT(3.0° APCH Path).

INSTRUMENT APPROACH CHART

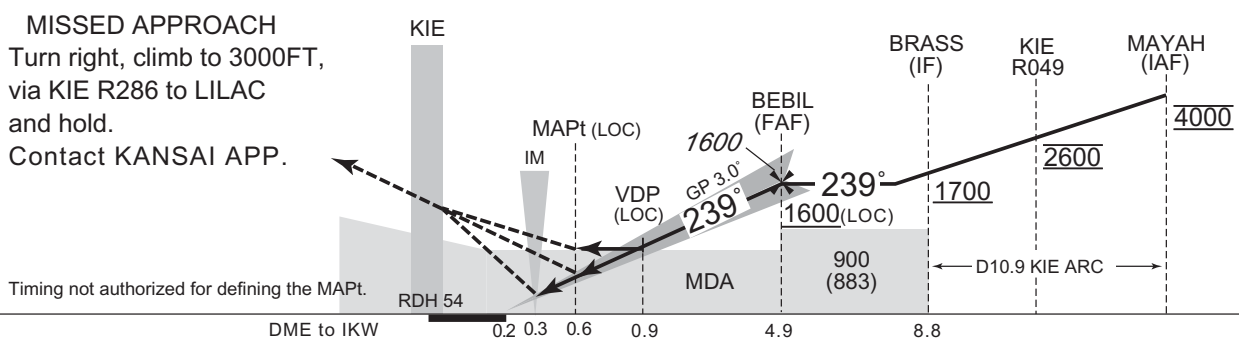
RJBB / KANSAI INTL

ILS Y or LOC Y RWY24R (CAT II)

| | | | |
|---------------------------------------|--|---|---------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | ILS - LOC 108.5 IKW ILS-GP 329.9 ILS-DME CH-22X | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|--|---|---------------------------|



CHANGE : PROC course. BEBIL established. BLOND abolished. THR ELEV. MINIMA. ALT(3.0° APCH Path).



| | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|
| DME to IKW | 0.2 | 0.3 | 0.6 | 0.9 | 4.9 | 8.8 |
| NM to THR | 0 | 0.1 | 0.5 | 0.7 | 4.7 | 8.6 |

| | | | | | | | | | |
|--------|--------|--------------|-----|-------|-------------|--------|---------|----------|------|
| MINIMA | | THR elev. 16 | | | AD elev. 17 | | | | |
| CAT | CAT II | | | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RA | RVR | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | | | | | | | | | 1600 |
| B | 116 | 100 | 300 | 216 | 550 | 300 | 800 | 610 | 2400 |
| C | (100) | | | (200) | | (283) | | (593) | |
| D/DL | | | | | | | 1200 | | 3200 |

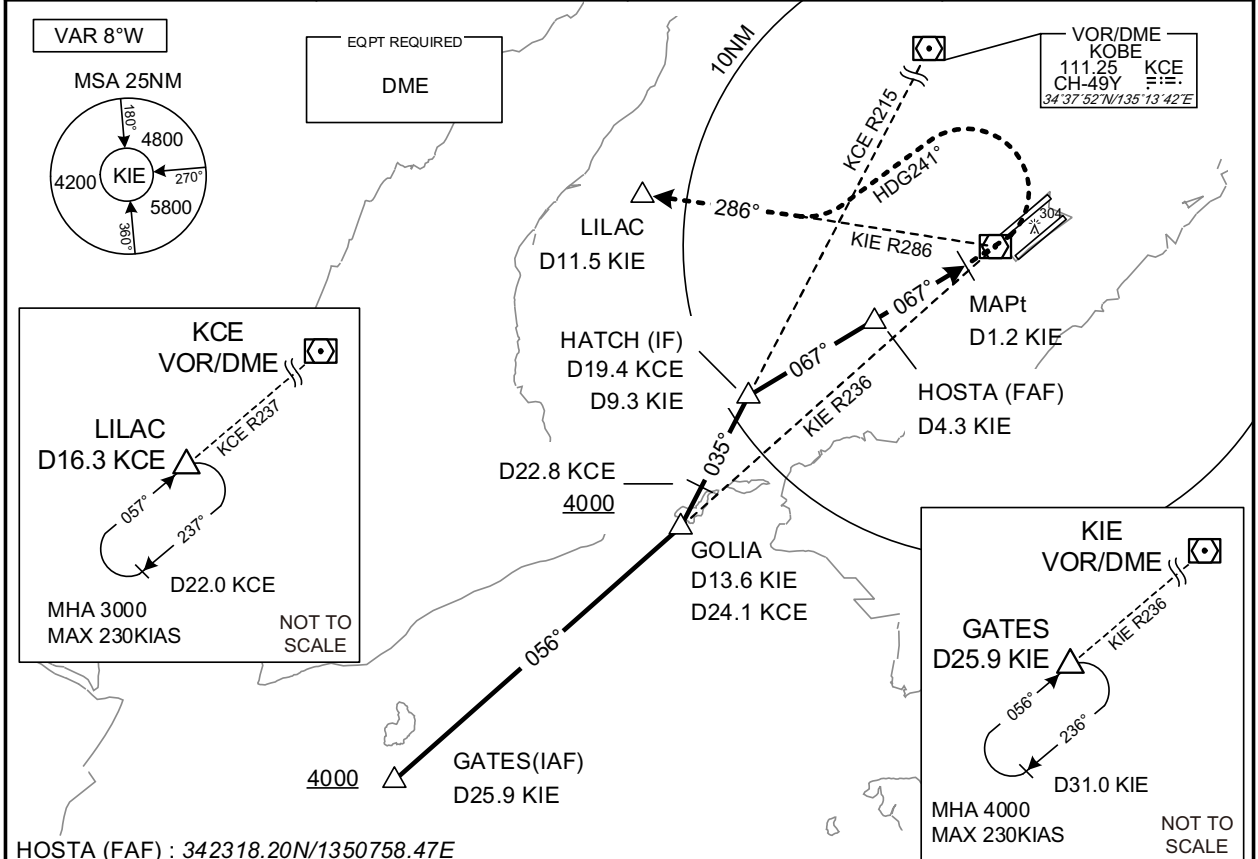
Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

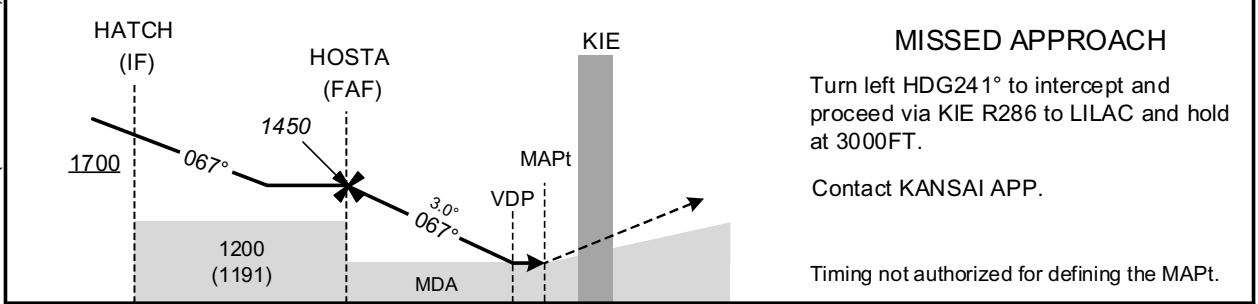
RJBB / KANSAI INTL

VOR RWY06L

| | | | |
|--|--|--|----------------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | KANSAI VOR/DME 111.6 KIE CH-53X 34°25'33"N/135°12'28"E | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|--|--|--|----------------------------------|



| | | | | | |
|---------------------|------|------|------|-----|------|
| NM to KIE | FAF | 4 | 3 | 2 | MAPt |
| ALT(3.0° APCH Path) | 1450 | 1343 | 1025 | 707 | - |



| | | | | |
|-----|-----|-----|-----|------------|
| 9.3 | 4.3 | 1.2 | 1.2 | DME to KIE |
| 9.4 | 4.4 | 1.3 | 1.2 | NM to THR |

| | | | | | | |
|--------|-----------|-------------|---------|-------------|----------------|--|
| MINIMA | | THR elev. 9 | | AD elev. 17 | | |
| CAT | MDA(H) | | RVR/CMV | | CIRCLING | |
| | 450 (441) | | 900 | | MDA(H) VIS | |
| A | | | 1000 | | 610 (593) 1600 | |
| B | | | 1400 | | 2400 | |
| C | | | | | 3200 | |
| D | | | | | | |

Circling to NORTH side of RWY only.

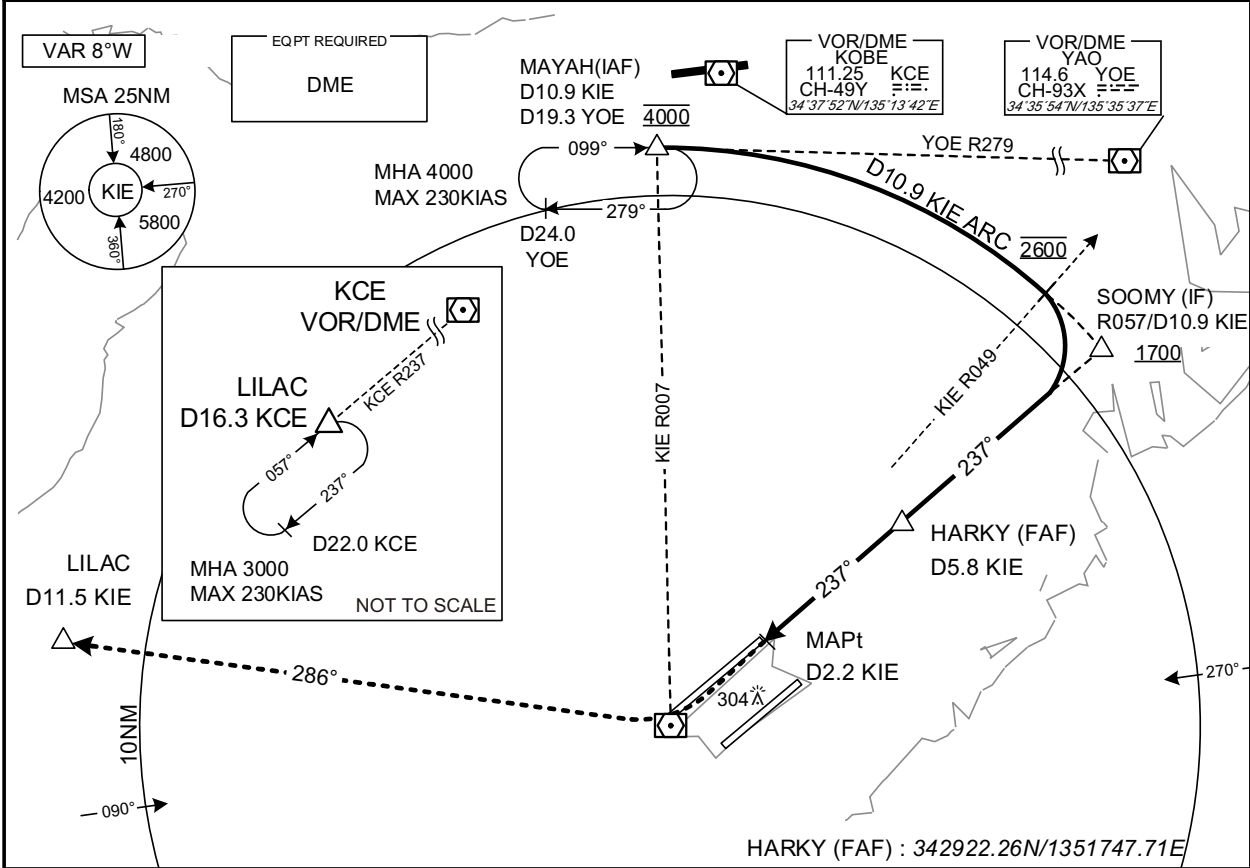
CHANGE: THR ELEV. MINIMA. PROC ALT. OCH. ALT(3.0° APCH Path).

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

VOR RWY24R

| | | | |
|--|--|--|----------------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | KANSAI VOR/DME 111.6 KIE CH-53X 34°25'33"N/135°12'28"E | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|--|--|--|----------------------------------|

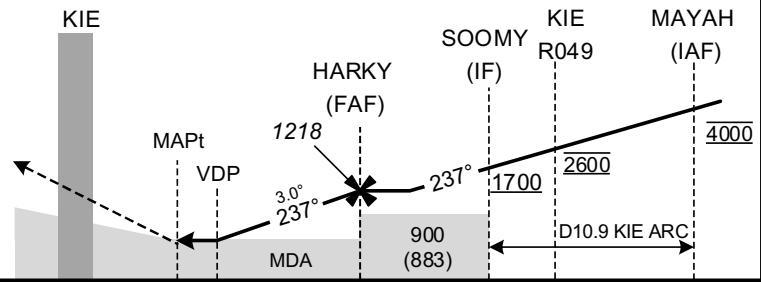


| | | | | | |
|--|---------------------|------|-----|-----|------|
| | NM to KIE | MAPt | 4 | 5 | FAF |
| | ALT(3.0° APCH Path) | - | 635 | 953 | 1218 |

MISSED APPROACH

Turn right, climb to 3000FT, via KIE R286 to LILAC and hold .
Contact KANSAI APP.

Timing not authorized for defining the MAPt.



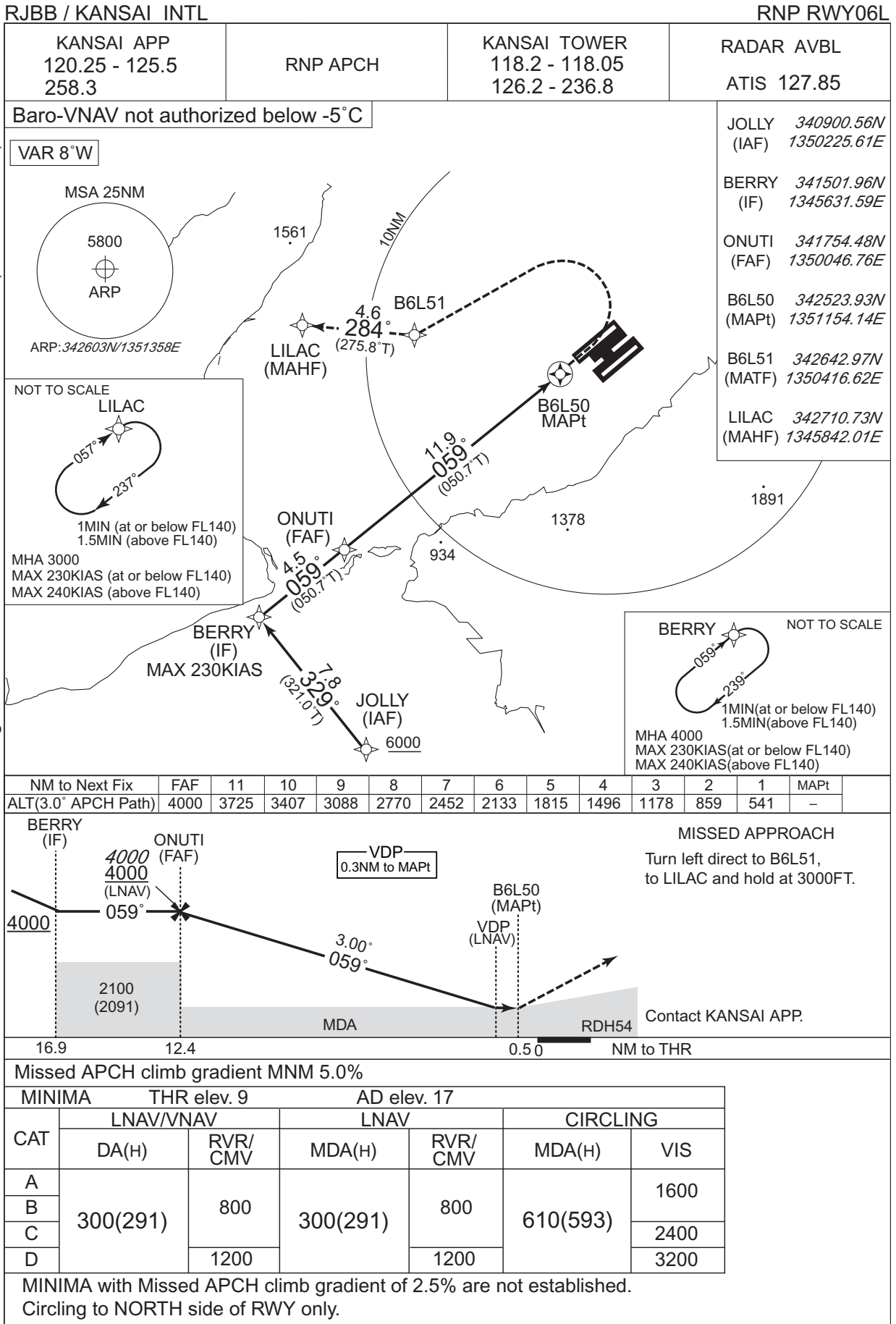
| | | | | |
|------------|-----|-----|-----|------|
| DME to KIE | 2.2 | 3.5 | 5.8 | 10.9 |
| NM to THR | 0 | 1.3 | 3.6 | 8.6 |

| | | | | | |
|--------|-----------|--------------|-----------|-------------|------|
| MINIMA | | THR elev. 16 | | AD elev. 17 | |
| CAT | | | CIRCLING | | |
| | MDA(H) | RVR/CMV | MDA(H) | VIS | |
| A | 470 (453) | 1000 | 610 (593) | 1600 | |
| B | | 1200 | | 2400 | |
| C | | | | 1600 | 3200 |
| D | | | | | |

Circling to NORTH side of RWY only.

CHANGE : THR ELEV. PROC ALT. ALT(3.0°APCH Path).

INSTRUMENT APPROACH CHART



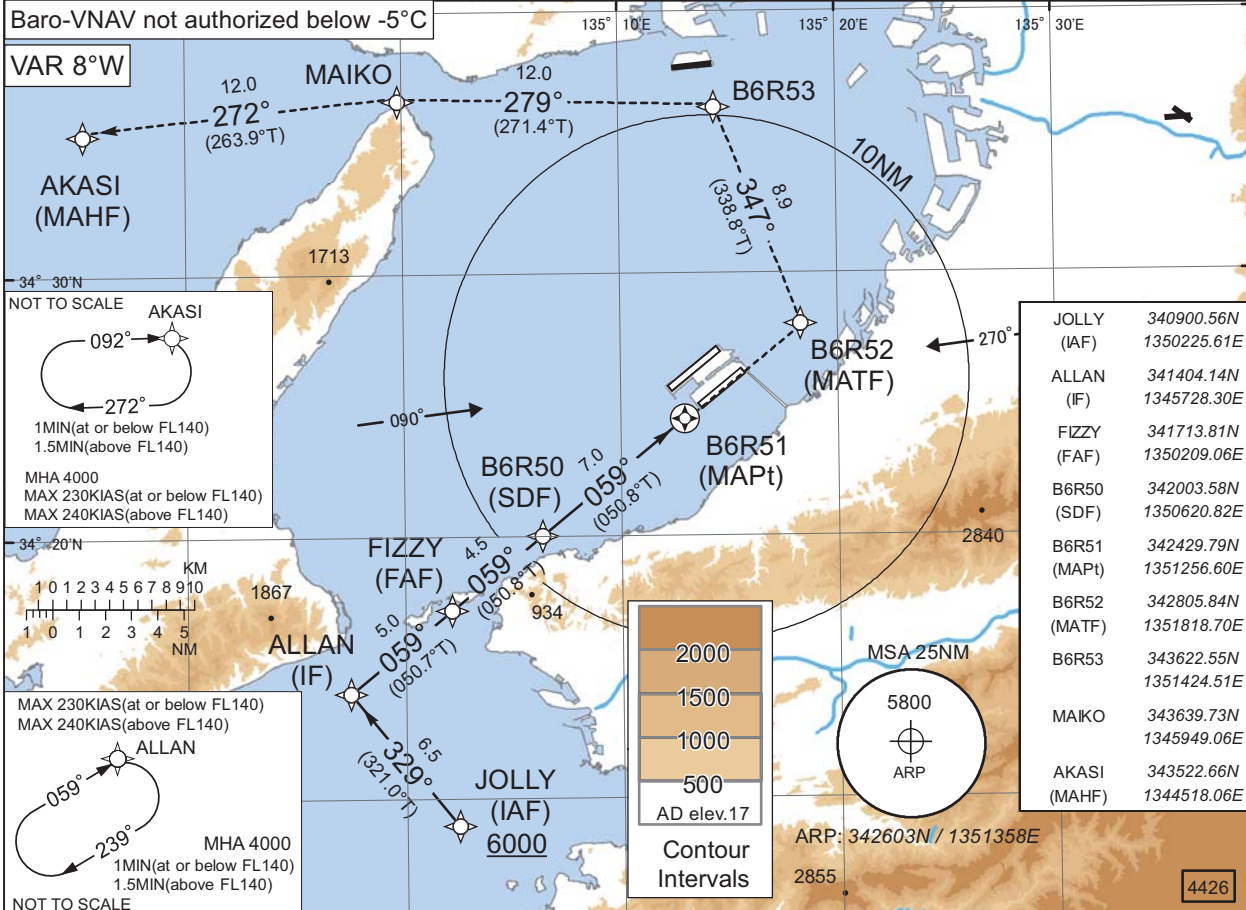
CHANGE : ONUTI established. KADAR abolished. Missed APCH for using VOR/DME abolished. THR ELEV. MINIMA. OCH. ALT(3.0° APCH Path).

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

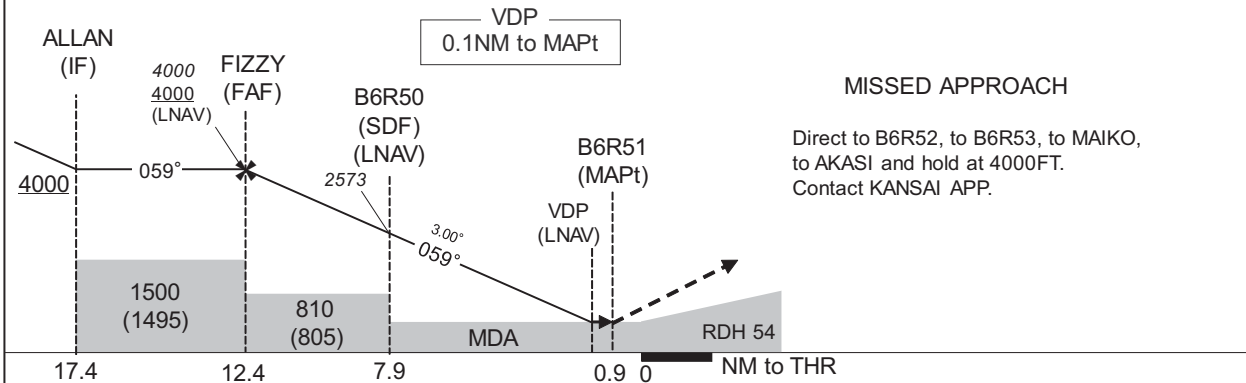
RNP RWY06R

| | | | |
|---------------------------------------|----------|---|---------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | RNP APCH | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|----------|---|---------------------------|



| | | |
|--------------|------------|-------------|
| JOLLY (IAF) | 340900.56N | 1350225.61E |
| ALLAN (IF) | 341404.14N | 1345728.30E |
| FIZZY (FAF) | 341713.81N | 1350209.06E |
| B6R50 (SDF) | 342003.58N | 1350620.82E |
| B6R51 (MAPt) | 342429.79N | 1351256.60E |
| B6R52 (MATF) | 342805.84N | 1351818.70E |
| B6R53 | 343622.55N | 1351424.51E |
| MAIKO | 343639.73N | 1345949.06E |
| AKASI (MAHF) | 343522.66N | 1344518.06E |

| | | | | | | | | | | | | | |
|----------------------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|
| NM to Next Fix | FAF | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | MAPt |
| ALT (3.0° APCH Path) | 4000 | 3838 | 3519 | 3201 | 2882 | 2564 | 2245 | 1927 | 1609 | 1290 | 972 | 653 | - |



Missed APCH climb gradient MNM 3.0%

| | | | | | | |
|--------|-------------|-------------|----------|---------|----------|------|
| MINIMA | THR elev. 5 | AD elev. 17 | | | | |
| CAT | LNAV/VNAV | | LNAV | | CIRCLING | |
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 340(335) | 900 | 340(335) | 900 | 610(593) | 1600 |
| B | | 1000 | | 1000 | | 2400 |
| C | | 1400 | | 1400 | | 3200 |
| D | | | | | | |

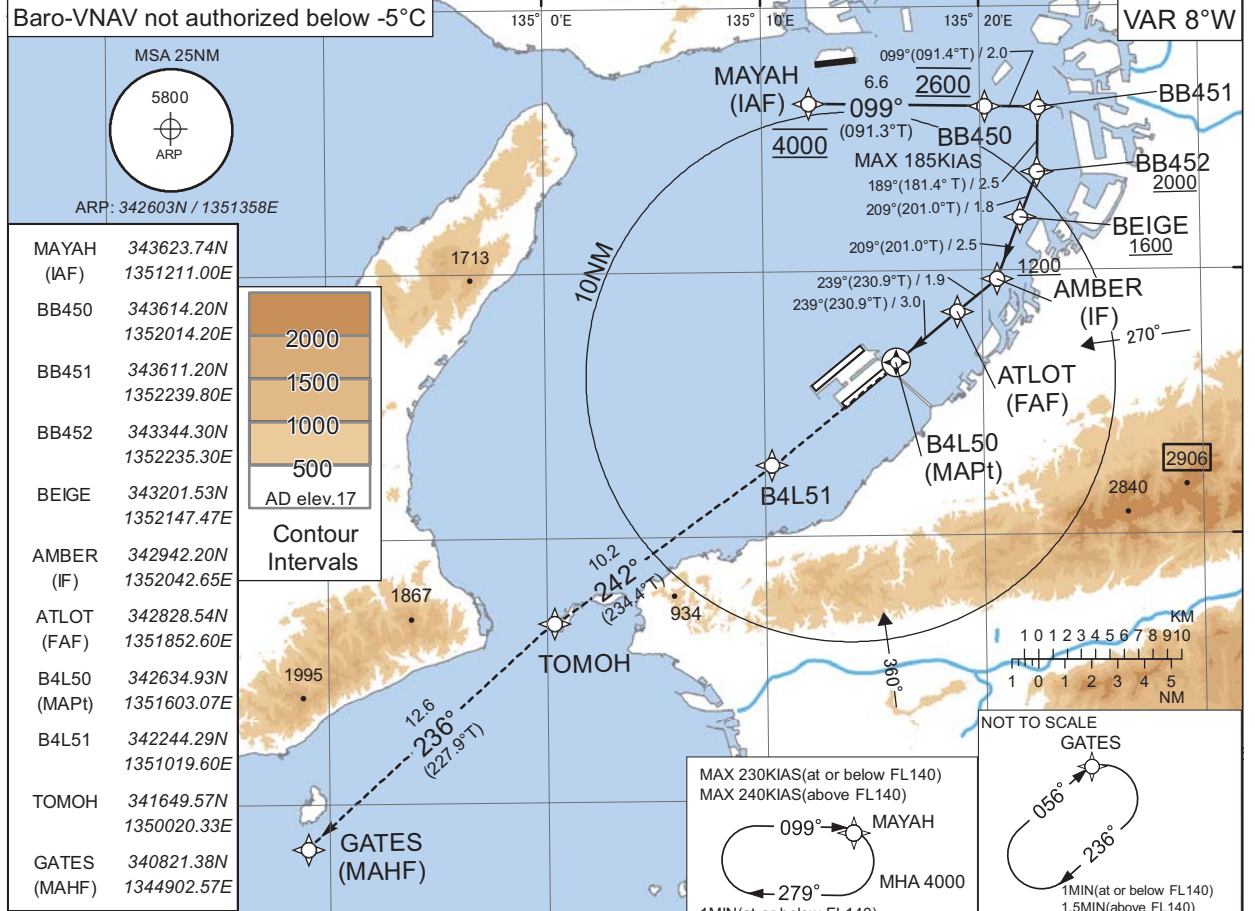
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : Missed APCH for using VOR/DME abolished.

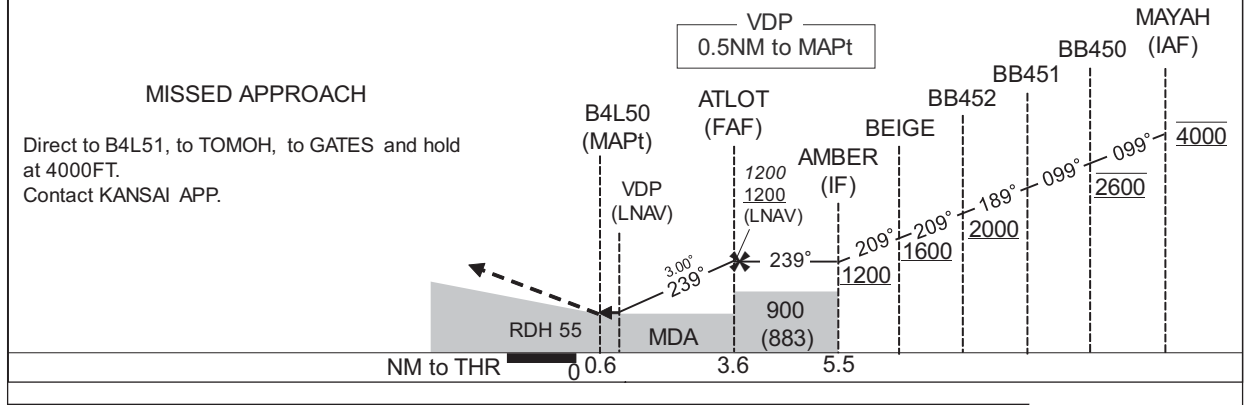
INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL RNP RWY24L

| | | | |
|--|-----------------|--|----------------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | RNP APCH | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|--|-----------------|--|----------------------------------|



| | | | | |
|----------------------|------|-----|-----|------|
| NM to Next Fix | MAPt | 1 | 2 | FAF |
| ALT (3.0° APCH Path) | - | 561 | 880 | 1200 |



| CAT | THR elev. 12 | | AD elev. 17 | | | | |
|-----|--------------|---------|-------------|---------|----------|------|------|
| | LNAV/VNAV | | LNAV | | CIRCLING | | |
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS | |
| A | 400(388) | 900 | 400(383) | 900 | 610(593) | 1600 | |
| B | | 1000 | | 1000 | | 2400 | |
| C | | 1400 | | 1400 | | 1400 | 3200 |
| D | | | | | | | |

Circling to NORTH side of RWY only.

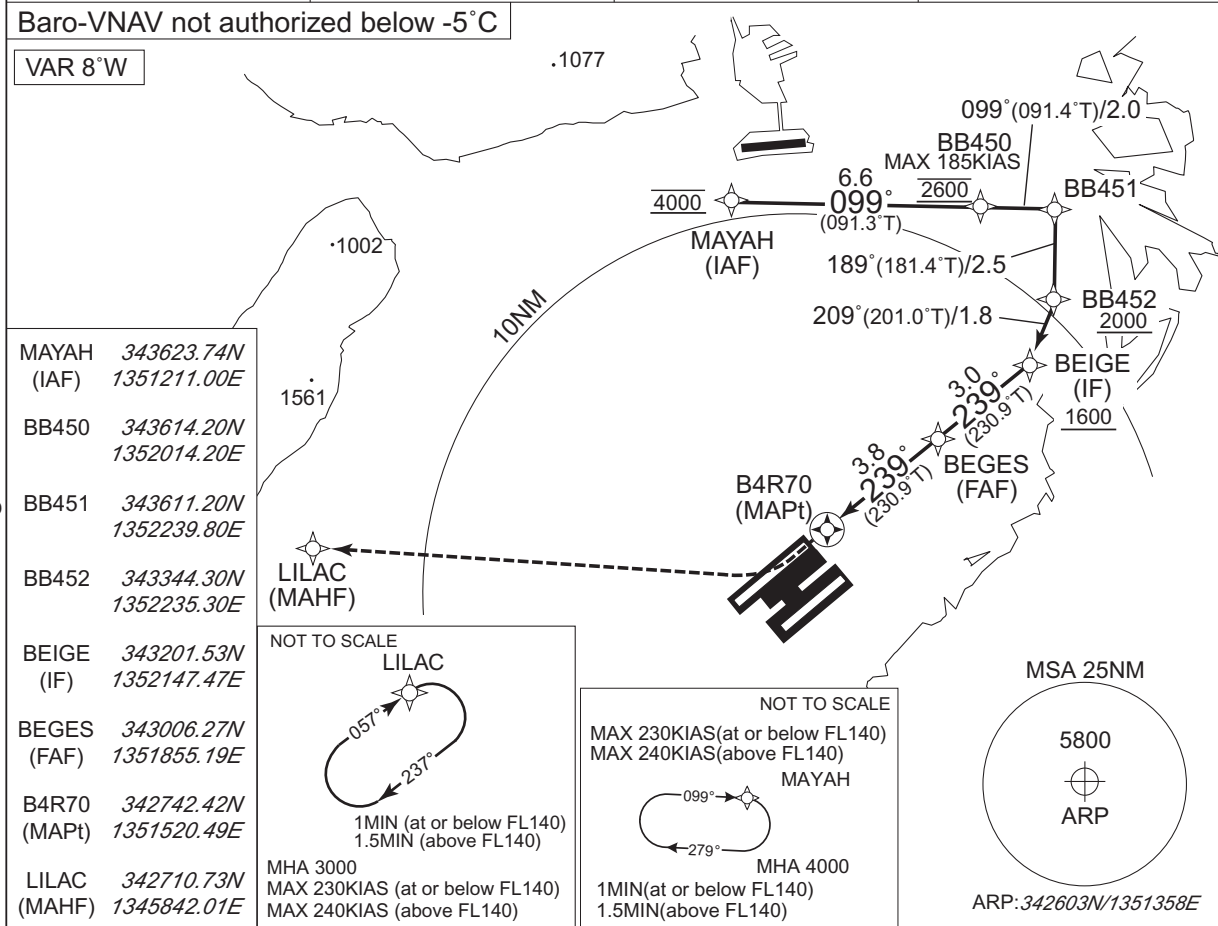
CHANGE : Missed APCH for using VOR/DME abolished.

INSTRUMENT APPROACH CHART

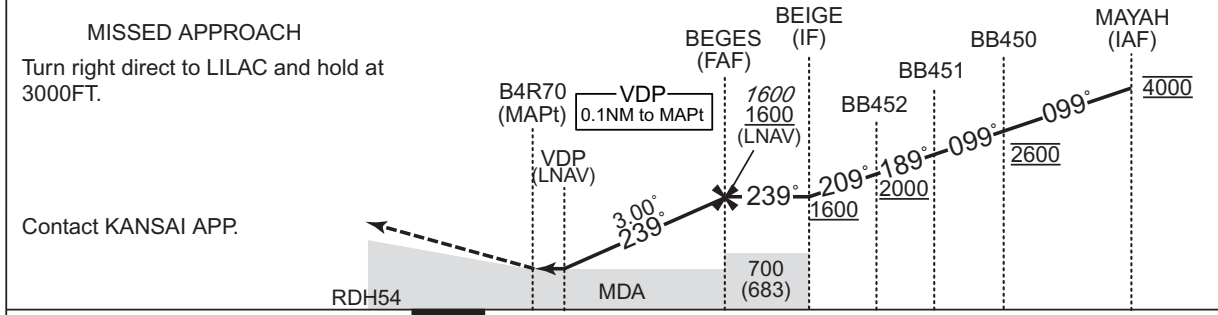
RJBB / KANSAI INTL

RNP RWY24R

| | | | |
|---------------------------------------|----------|---|---------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | RNP APCH | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|----------|---|---------------------------|



| | | | | | |
|---------------------|------|-----|------|------|------|
| NM to Next Fix | MAPt | 1 | 2 | 3 | FAF |
| ALT(3.0° APCH Path) | - | 707 | 1025 | 1343 | 1600 |



Missed APCH climb gradient MNM 5.0%

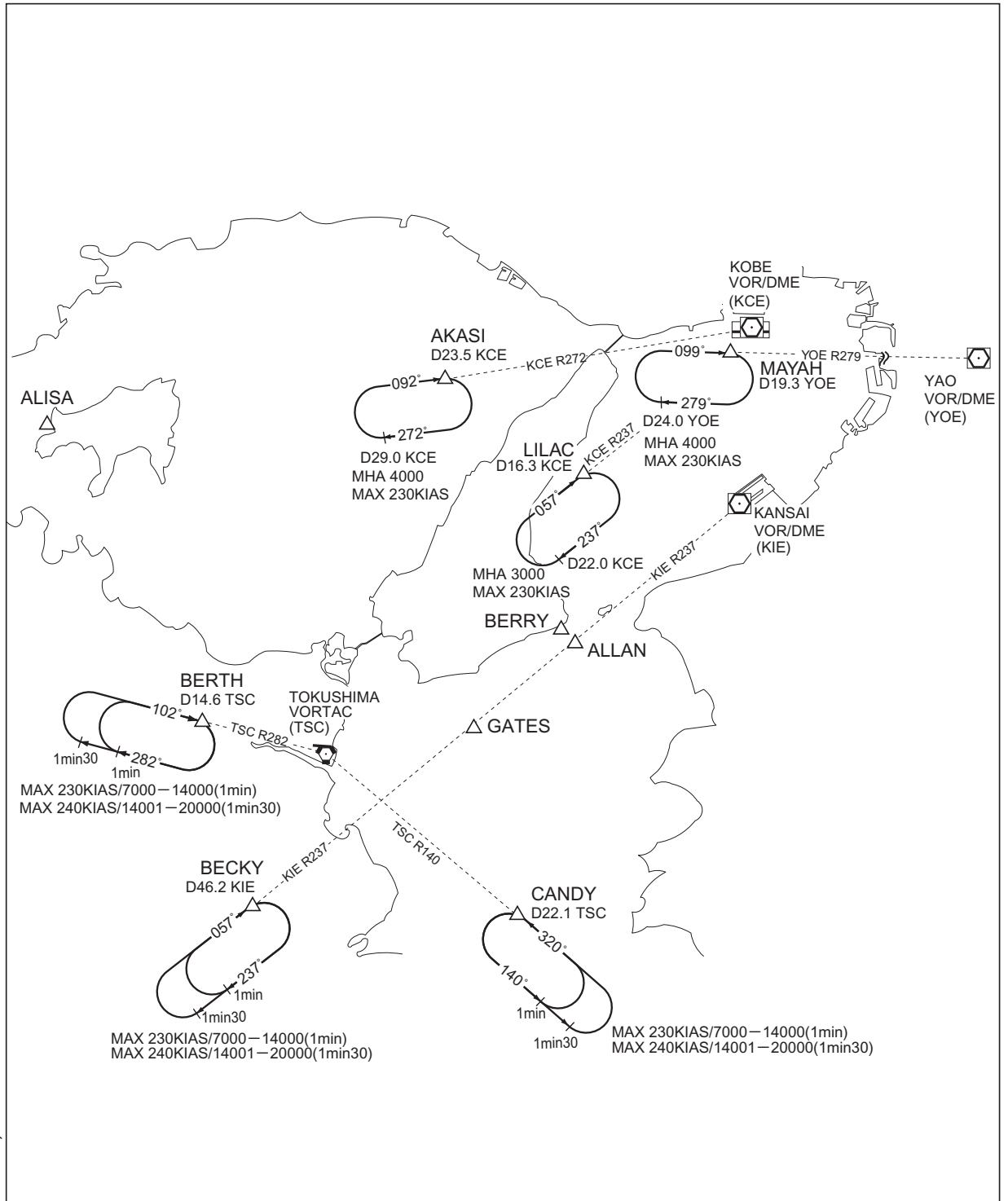
| MINIMA | | THR elev. 16 | | AD elev. 17 | | |
|--------|-----------|--------------|----------|-------------|----------|------|
| CAT | LNAV/VNAV | | LNAV | | CIRCLING | |
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 410(394) | 900 | 400(383) | 900 | 610(593) | 1600 |
| B | | 1000 | | 1400 | | 2400 |
| C | | 1400 | | 3200 | | |
| D | | | | | | |

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

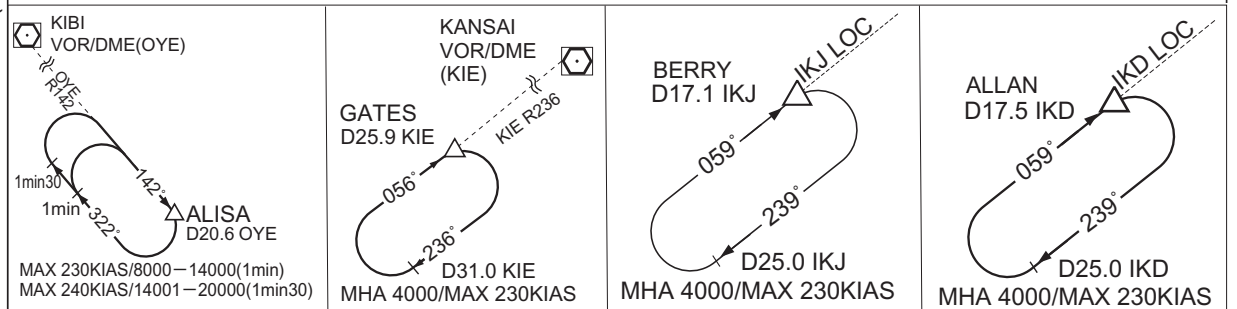
CHANGE : BEGES established. MAJ OH abolished. TH R ELEV. Missed APCH for using VOR/DME abolished. MINIMA.

RJBB / KANSAI INTL

HLDG PATTERN



CHANGE : HLDG course(ALLAN).



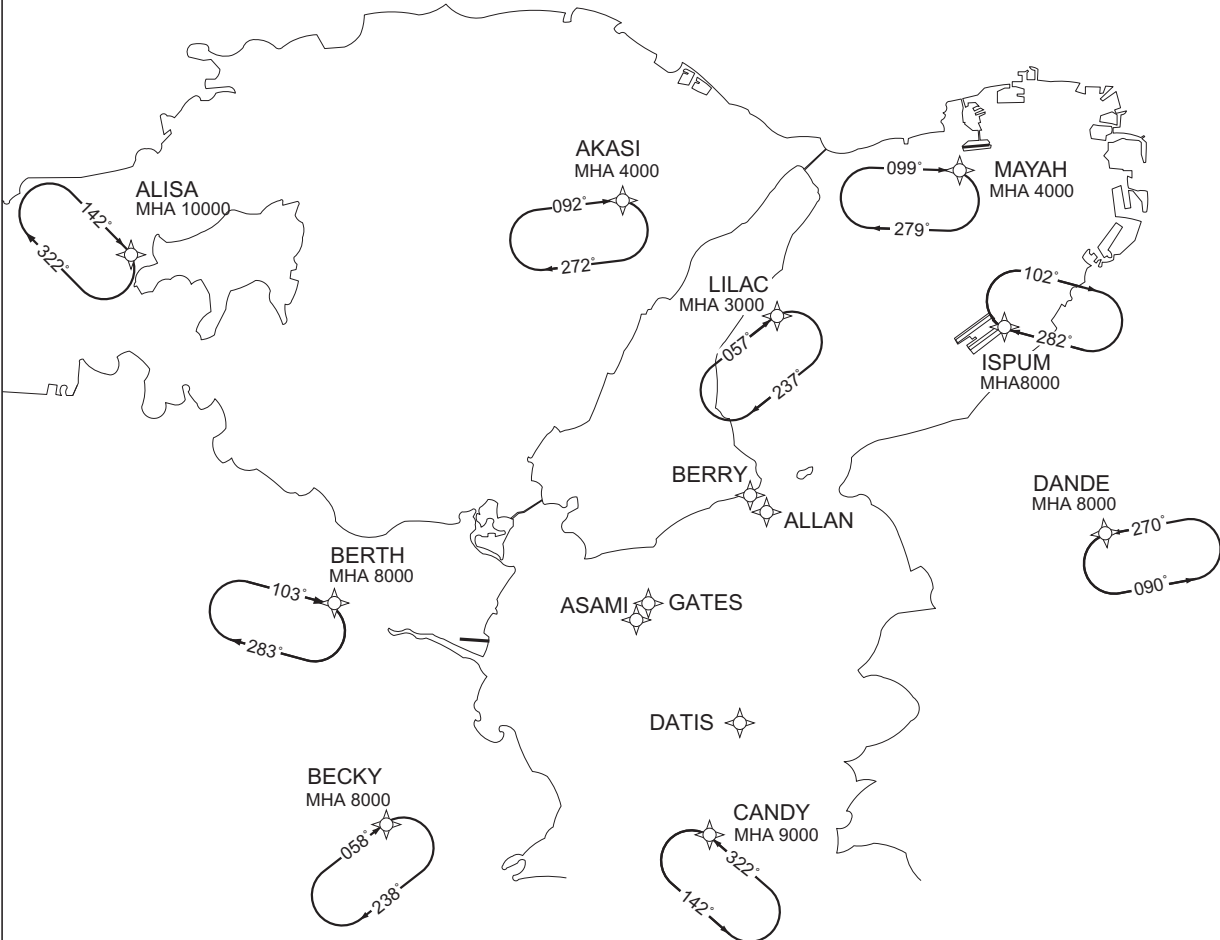
RJBB / KANSAI INTL

RNAV HLDG PATTERN

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

RNAV1

1)Outbound Time / Distance
2)Speed
→See Tabular Description.



CHANGE : MHA at AKASI.

| | | | | |
|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| <p>ASAMI MHA 4000</p> | <p>BERRY MHA 4000</p> | <p>ALLAN MHA 4000</p> | <p>DATIS MHA 6000</p> | <p>GATES MHA 4000</p> |
|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|

RJBB / KANSAI INTL

RNAV HLDG PATTERN

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | AKASI | 092 (083.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ALISA | 142 (134.0) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 10000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ALLAN | 059 (050.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BECKY | 058 (050.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BERRY | 059 (050.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BERTH | 103 (095.4) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CANDY | 322 (313.8) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | DANDE | 270 (262.6) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | DATIS | 307 (298.6) | -8.0 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | GATES | 056 (048.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -210(-14000) -240(+14001) | RNAV1 |
| Hold | ISPUM | 282 (274.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | MAYAH | 099 (091.3) | -8.0 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

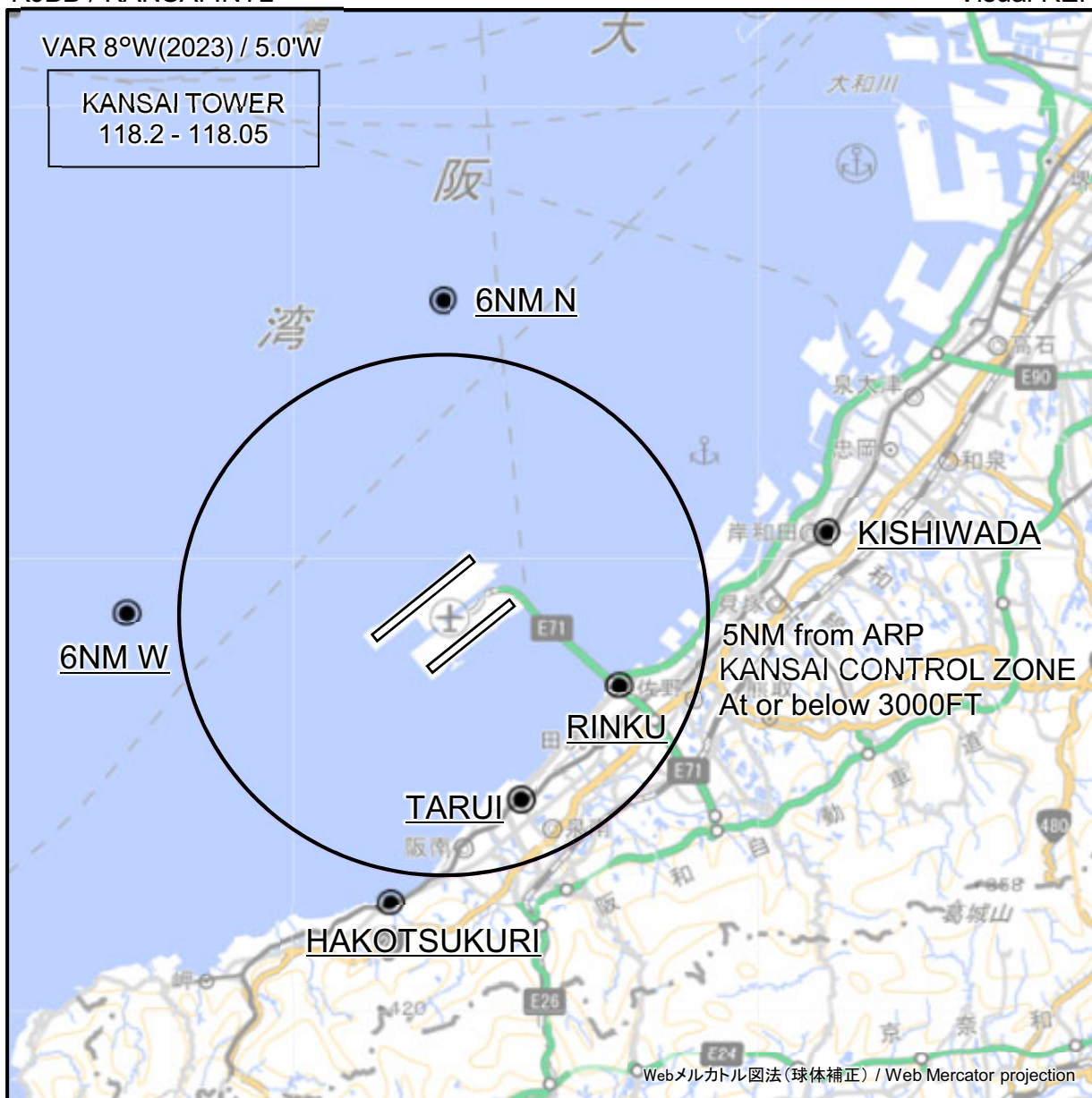
Waypoint Coordinates

| Waypoint Identifier | Coordinates | Waypoint Identifier | Coordinates |
|---------------------|----------------------|---------------------|----------------------|
| AKASI | 343522.7N/1344518.1E | CANDY | 335229.8N/1345541.8E |
| ALISA | 343042.6N/1340804.1E | DANDE | 341309.4N/1352433.9E |
| ALLAN | 341404.1N/1345728.3E | DATIS | 335852.0N/1345613.1E |
| ASAMI | 340757.9N/1344841.8E | GATES | 340821.4N/1344902.6E |
| BECKY | 335509.0N/1343030.6E | ISPUM | 342548.3N/1351506.4E |
| BERRY | 341502.0N/1345631.6E | LILAC | 342710.7N/1345842.0E |
| BERTH | 340911.4N/1341900.0E | MAYAH | 343623.7N/1351211.0E |

CHANGE : Coordinate at GATES.

RJBB / KANSAI INTL

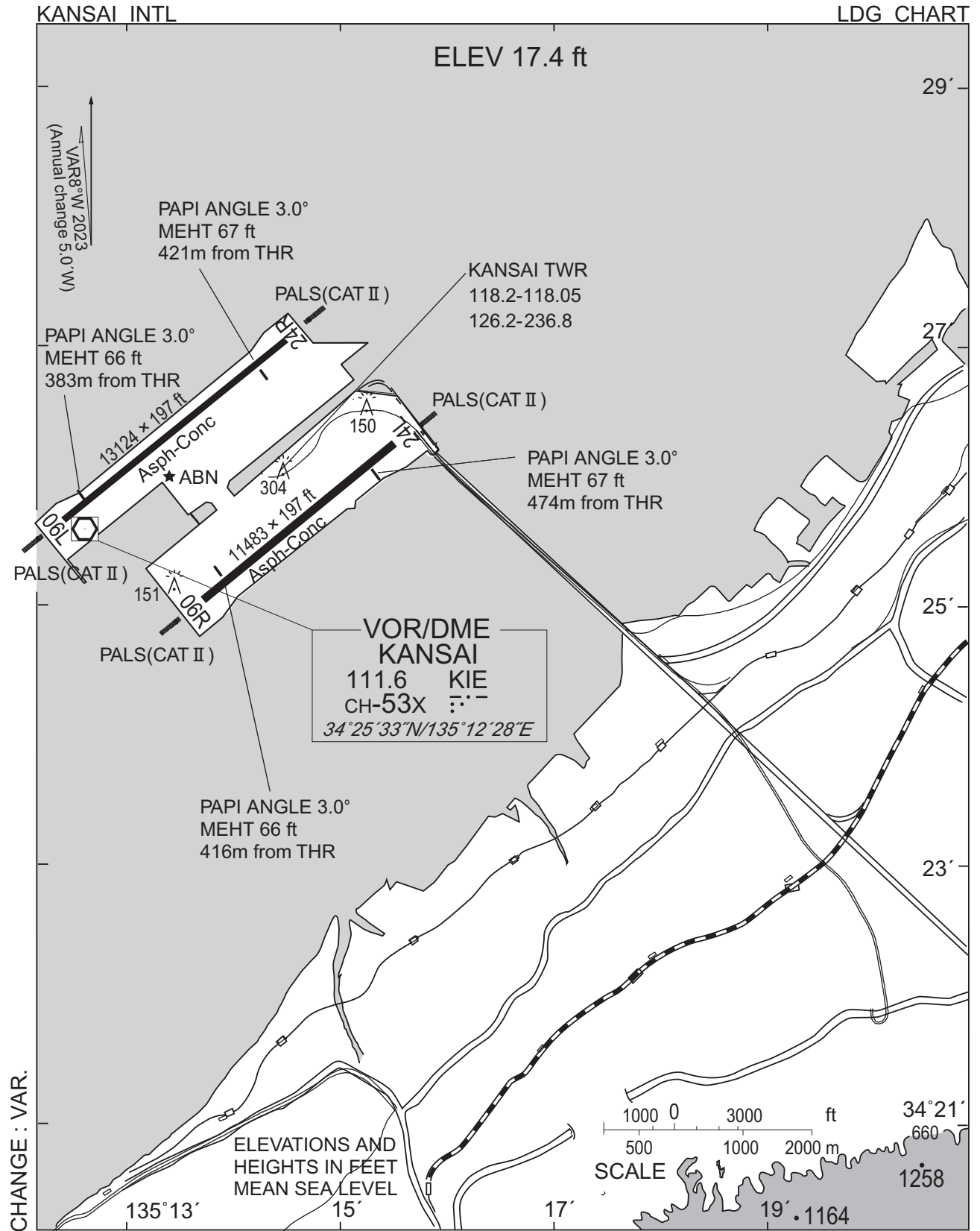
Visual REP



※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 : VAR.

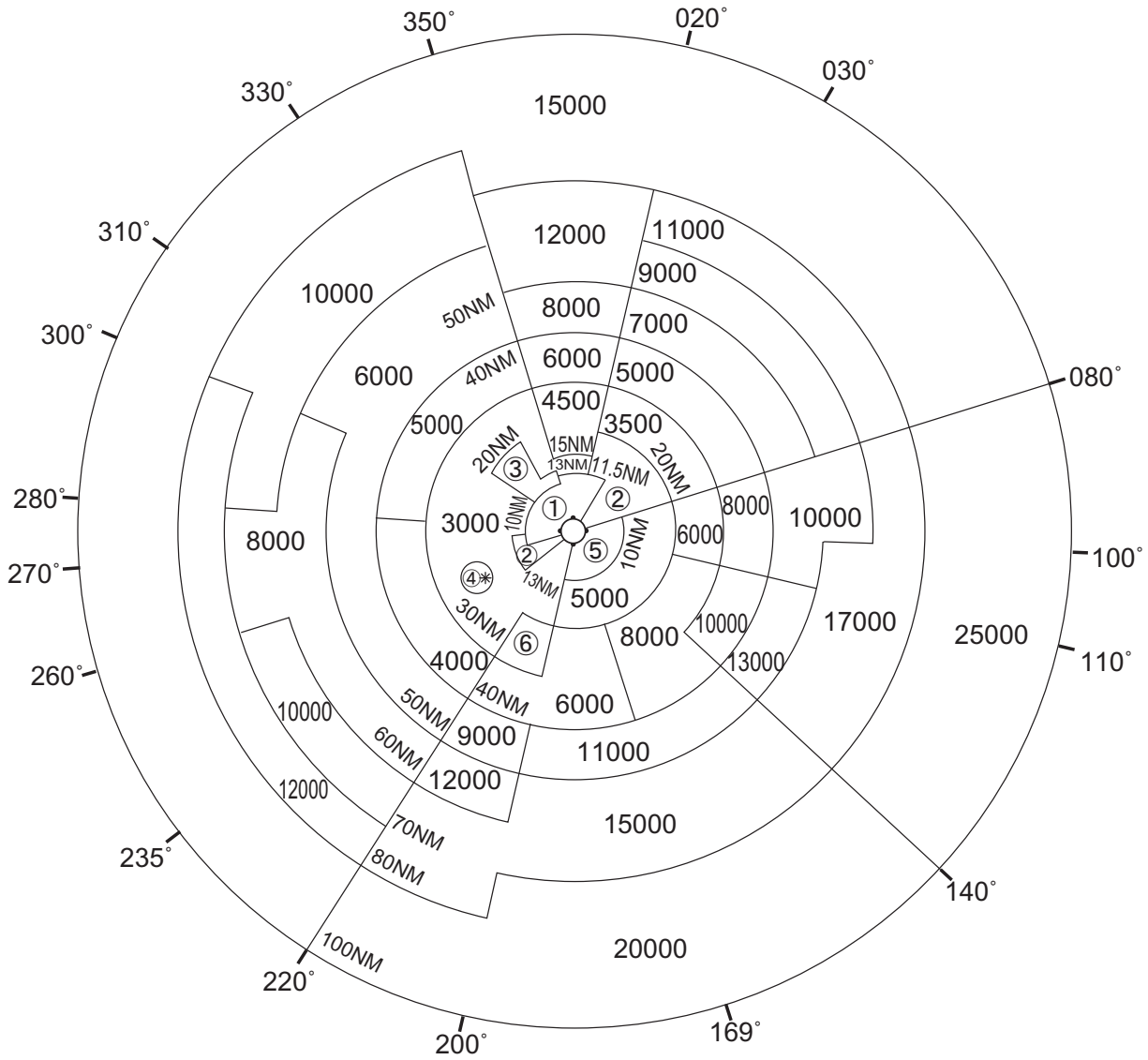
| Call sign | BRG / DIST from ARP | Remarks |
|-------------------|---------------------|----------------------|
| 6NM N | 360°T / 6.0NM | 海上 Over the sea |
| 岸和田 Kishiwada | 078°T / 7.4NM | 南海本線・岸和田駅 Station |
| 6NM W | 270°T / 6.0NM | 海上 Over the sea |
| りんくう Rinku | 113°T / 3.6NM | ビル Building |
| 樽井 Tarui | 158°T / 3.9NM | 南海本線・樽井駅 Station |
| 箱作 Hakotsukuri | 190°T / 5.6NM | 南海本線・箱作駅 Station |



RJBB / KANSAI INTL

Minimum Vectoring Altitude CHART

VAR 8°W (2023)



- ① 1500
- ② 2000
- ③ 2100
- ④ 3500
- ⑤ 4000
- ⑥ 5000

CENTER : 342636N/1351511E (No.1 RADAR SITE)
CENTER : 342540N/1351343E (No.2 RADAR SITE)

* : 341405N/1344851E RADIUS : 3NM

CHANGE : VAR.