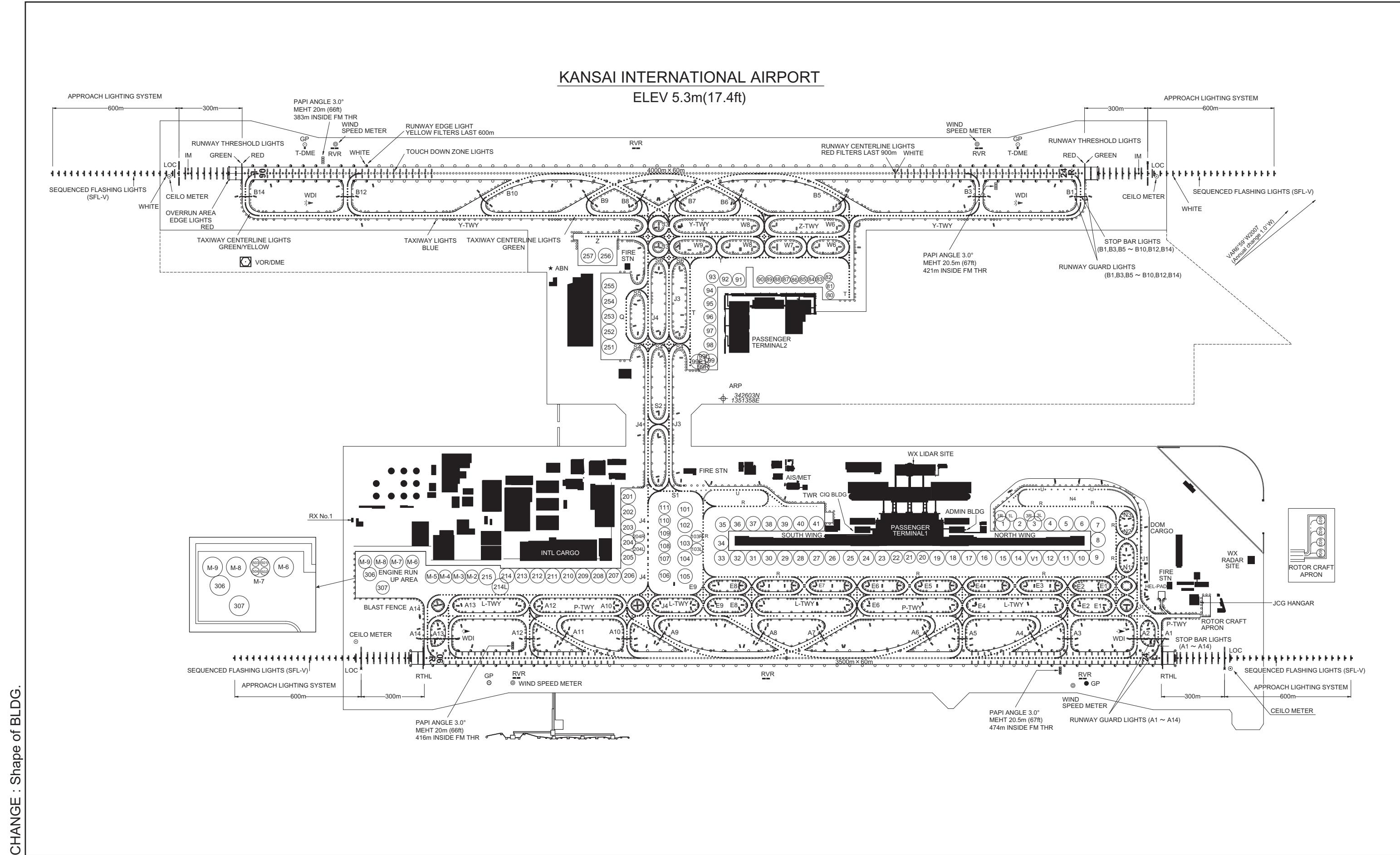
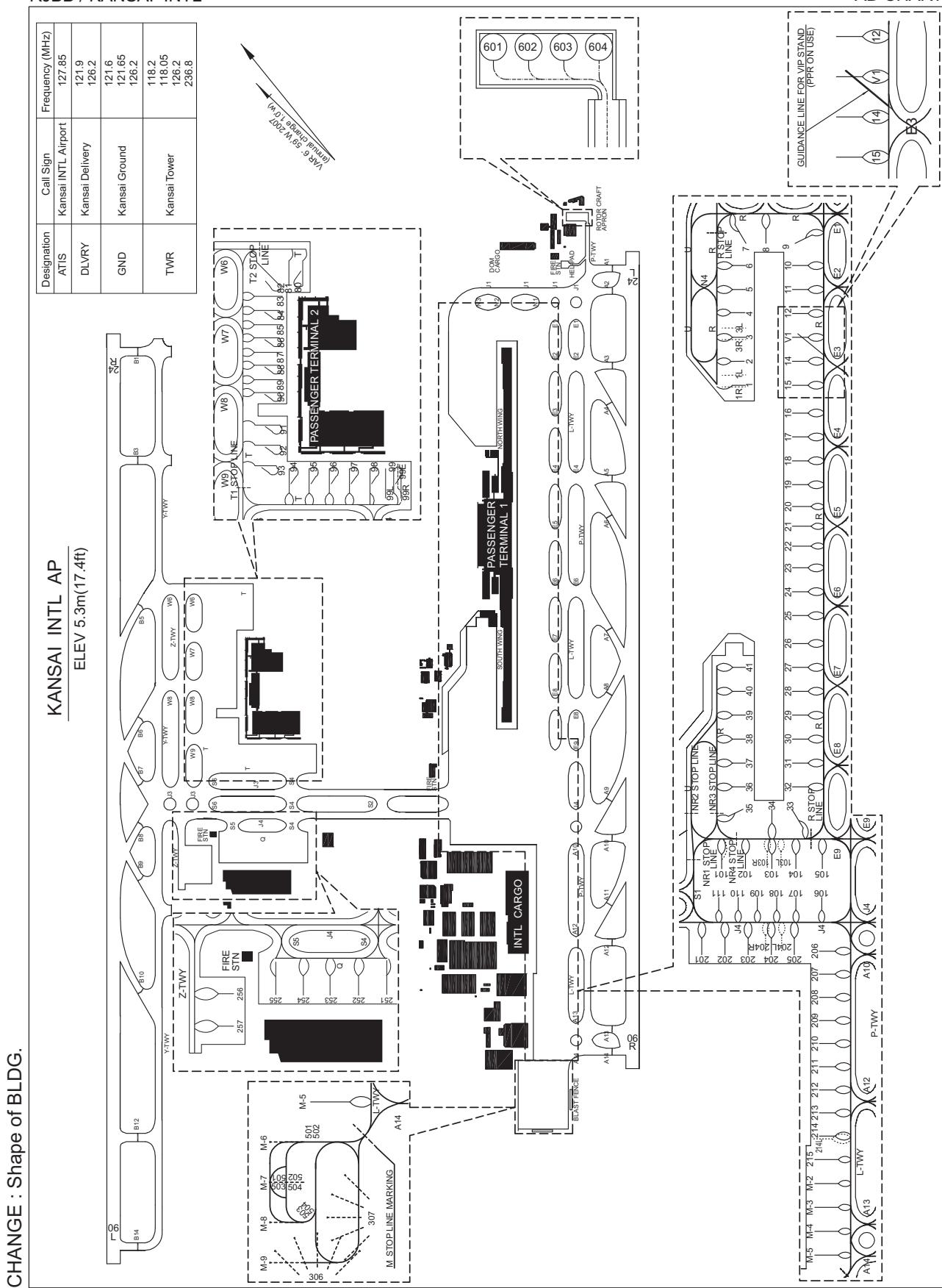


AERODROME CHART



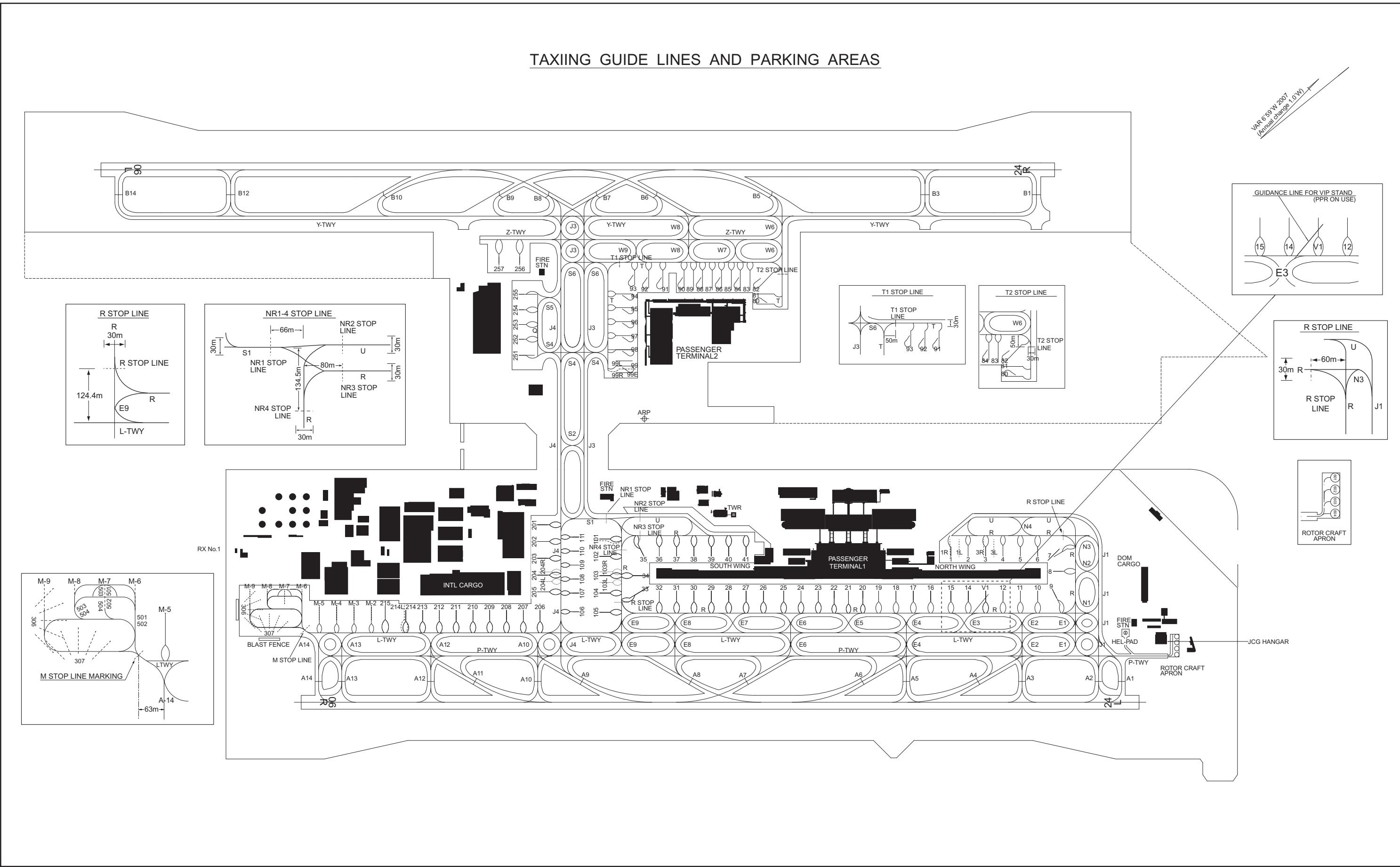
RJBB / KANSAI INTL

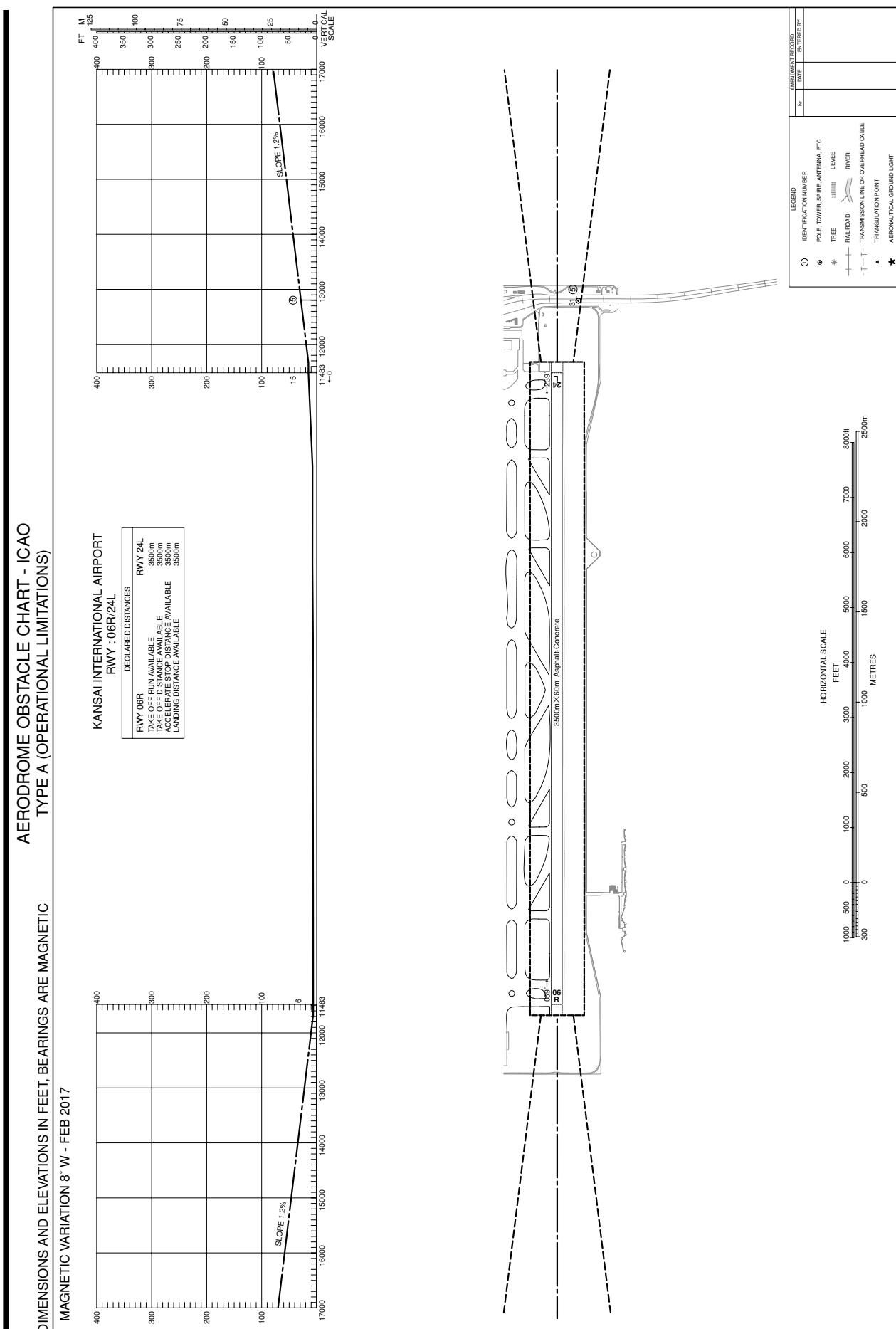
## AD CHART



TAXIING GUIDE LINES AND PARKING AREAS

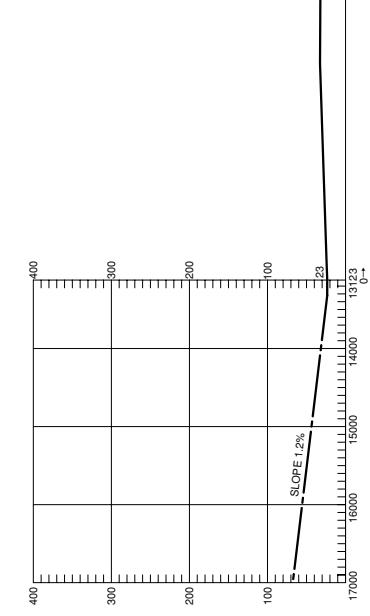
CHANGE : Shape of BLDG.



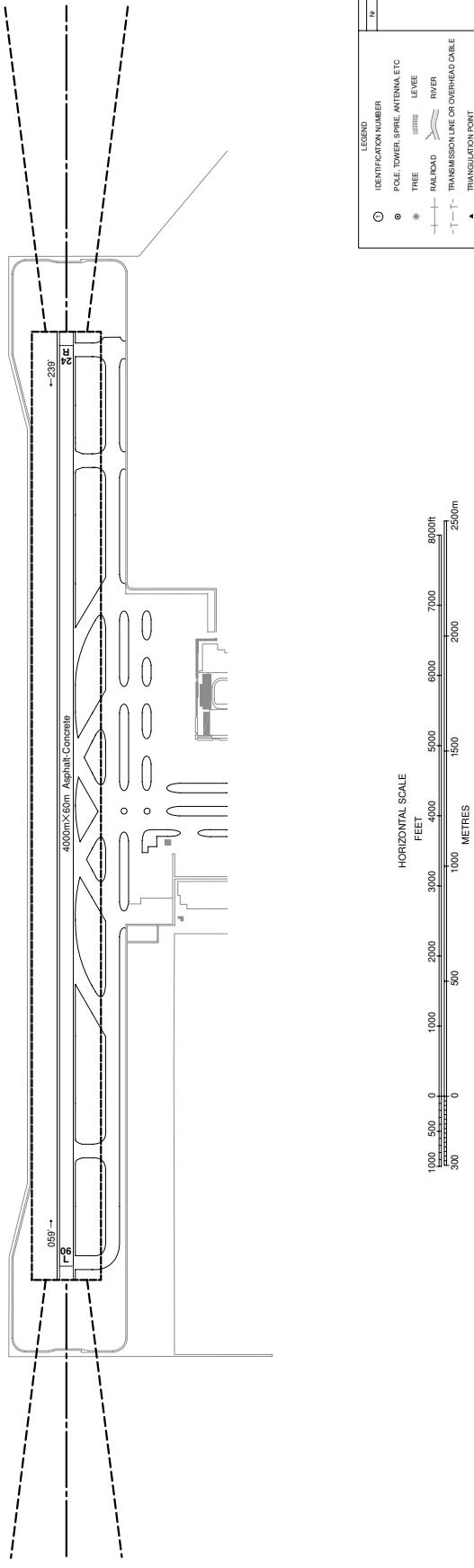
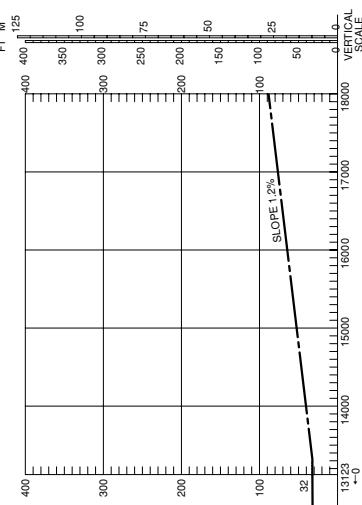


DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8° W - FEB 2017



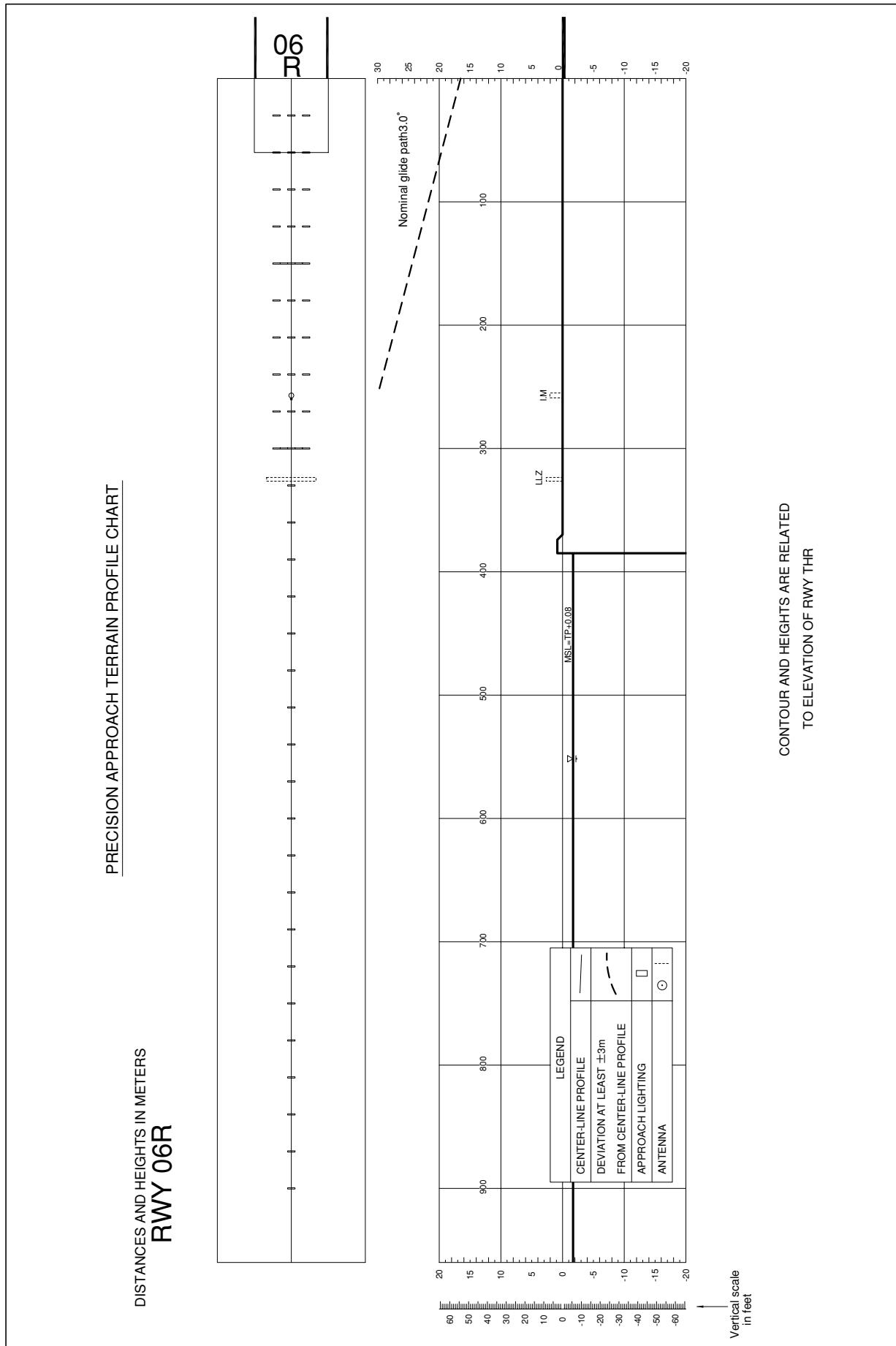
KANSAI INTERNATIONAL AIRPORT  
RWY : 06L/24R  
DECLARED DISTANCES      RWY 24R  
RWY 06L      RWY 24R  
TAKE OFF RUN AVAILABLE      4000m  
TAKE OFF DISTANCE AVAILABLE      4000m  
ACCELERATE STOP DISTANCE AVAILABLE      4000m  
LANDING DISTANCE AVAILABLE      4000m



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETICS

## AERODROME OBSTRUCTION CHART TYPE B

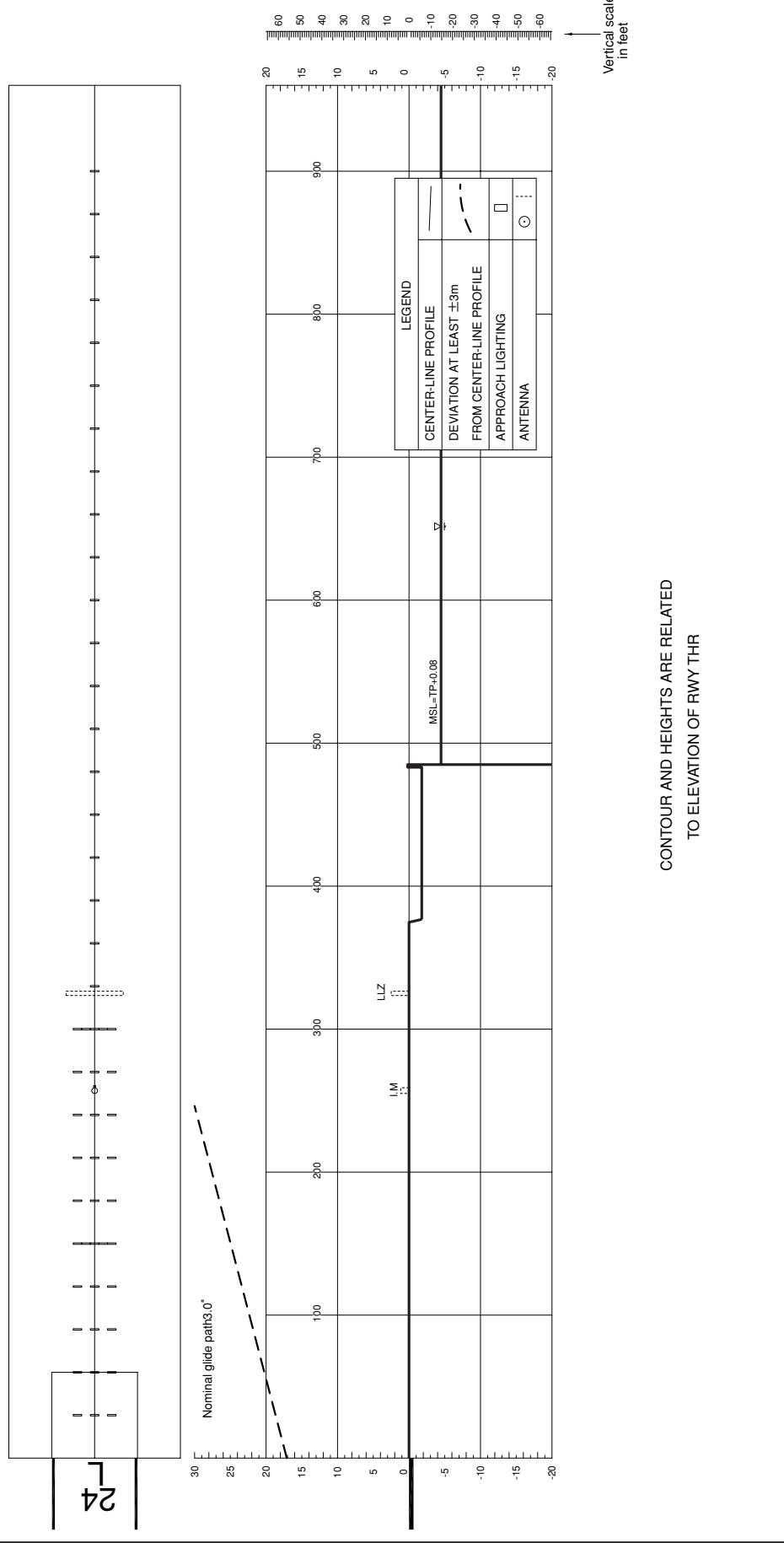




**RWY 24L**

DISTANCES AND HEIGHTS IN METERS

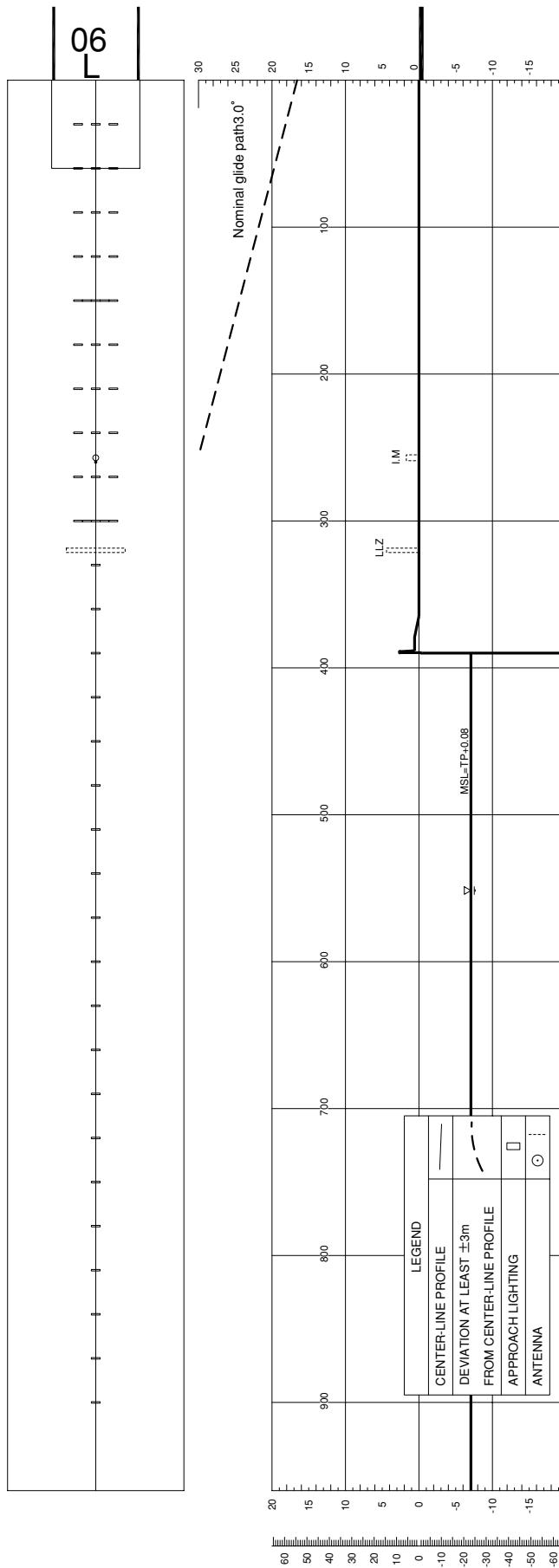
PRECISION APPROACH TERRAIN PROFILE CHART



**RWY 06L**

DISTANCES AND HEIGHTS IN METERS

PRECISION APPROACH TERRAIN PROFILE CHART



CONTOUR AND HEIGHTS ARE RELATED  
TO ELEVATION OF RWY THR

PRECISION APPROACH TERRAIN PROFILE CHART

RWY 24R

DISTANCES AND HEIGHTS IN METERS



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,...

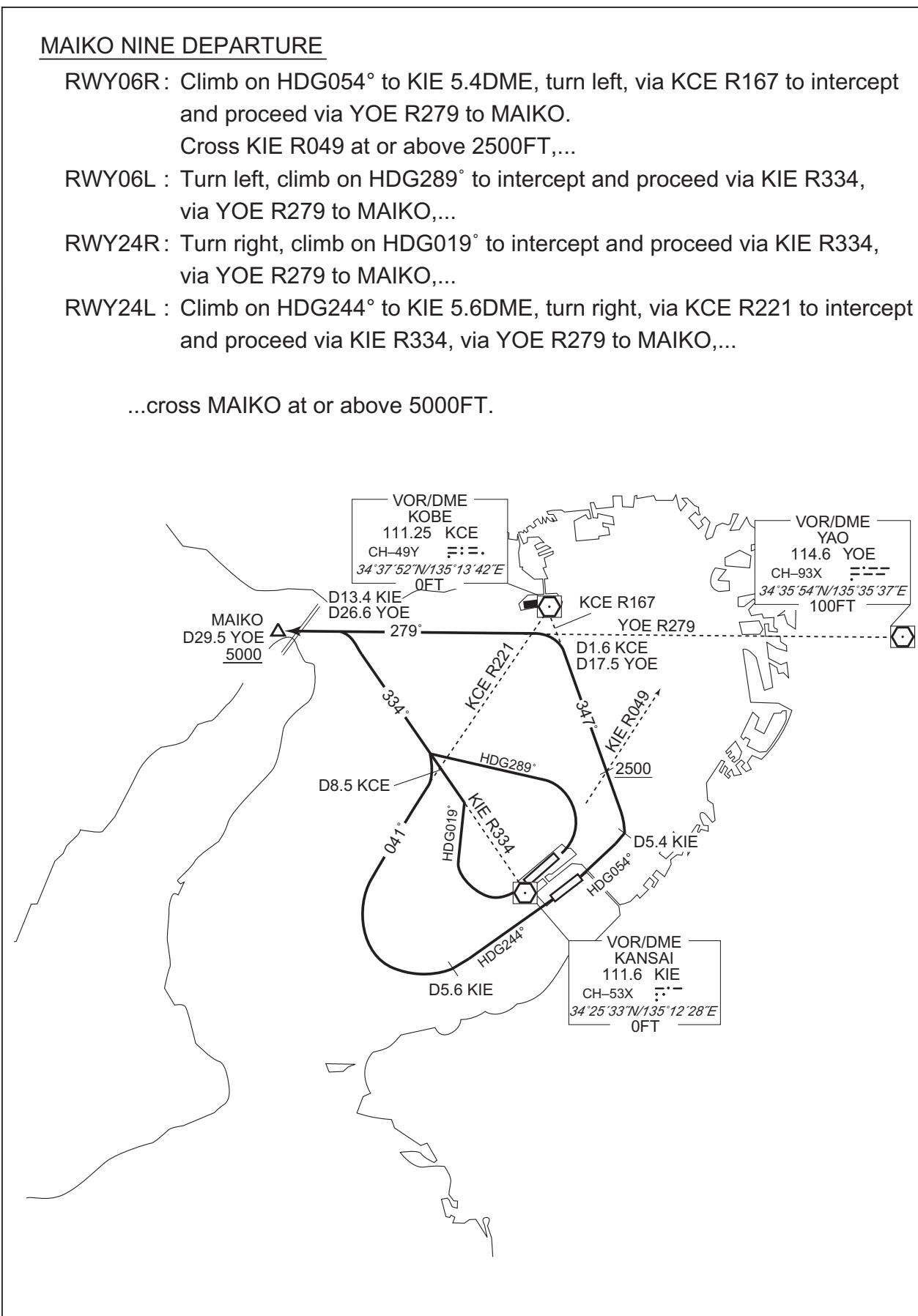
**RWY06L** : Turn left, climb on HDG289° to intercept and proceed via KIE R334, via YOE R279 to MAIKO,...

**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

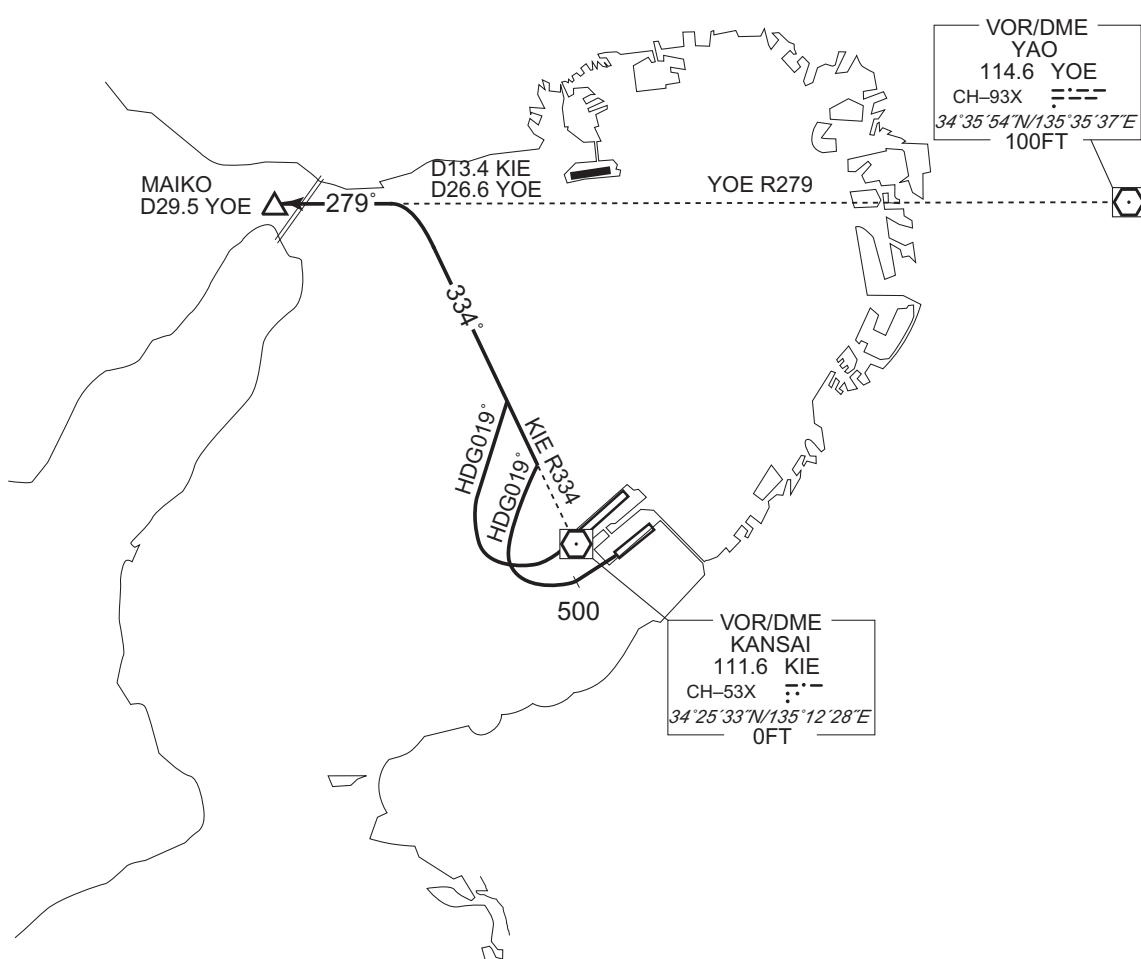
SID

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.



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.

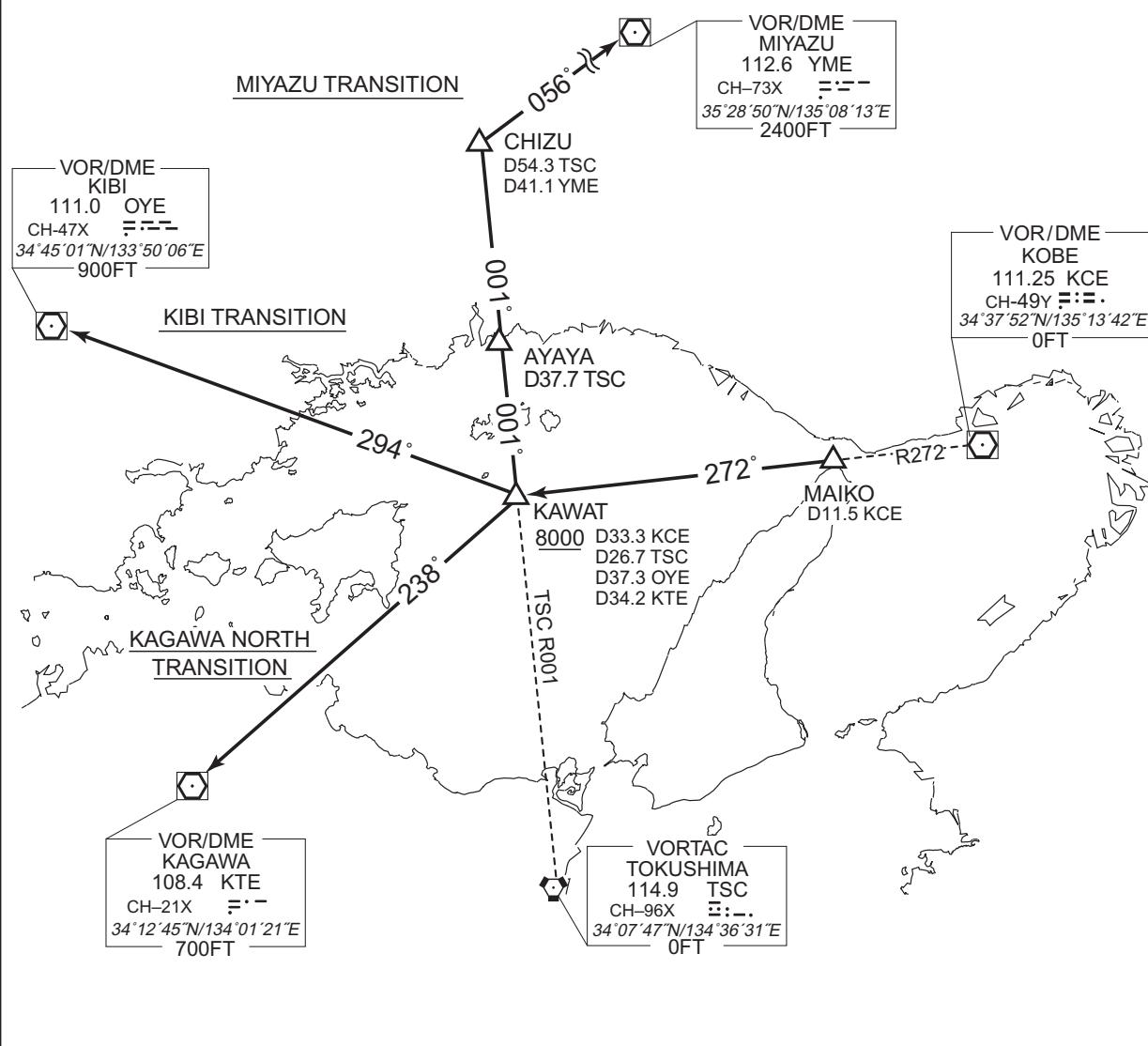
KIBI TRANSITION

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

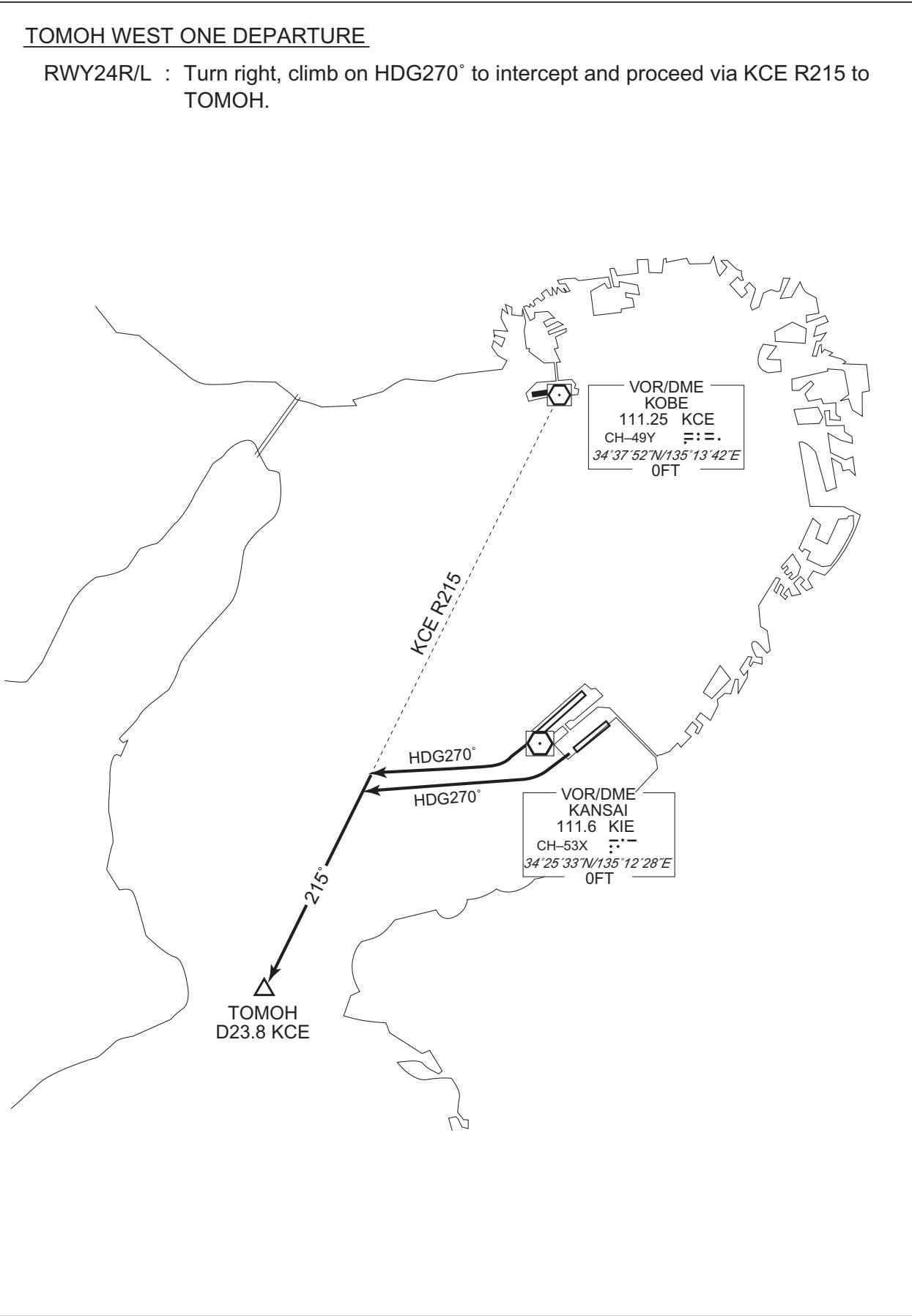
RJBB / KANSAI INTL

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. ...

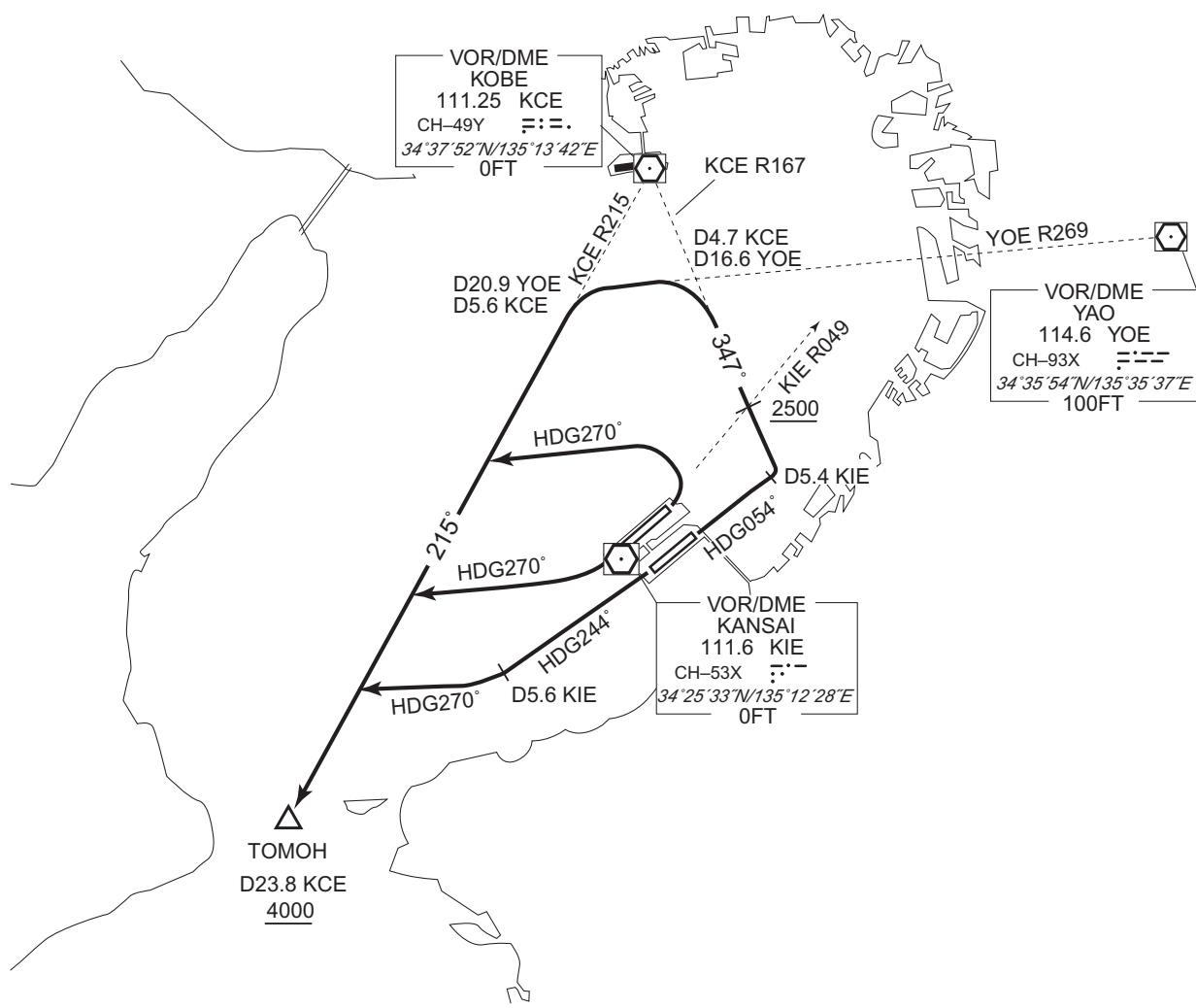
RWY06L : Turn left, climb on HDG270° to intercept and proceed via KCE R215 to TOMOH. ...

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.

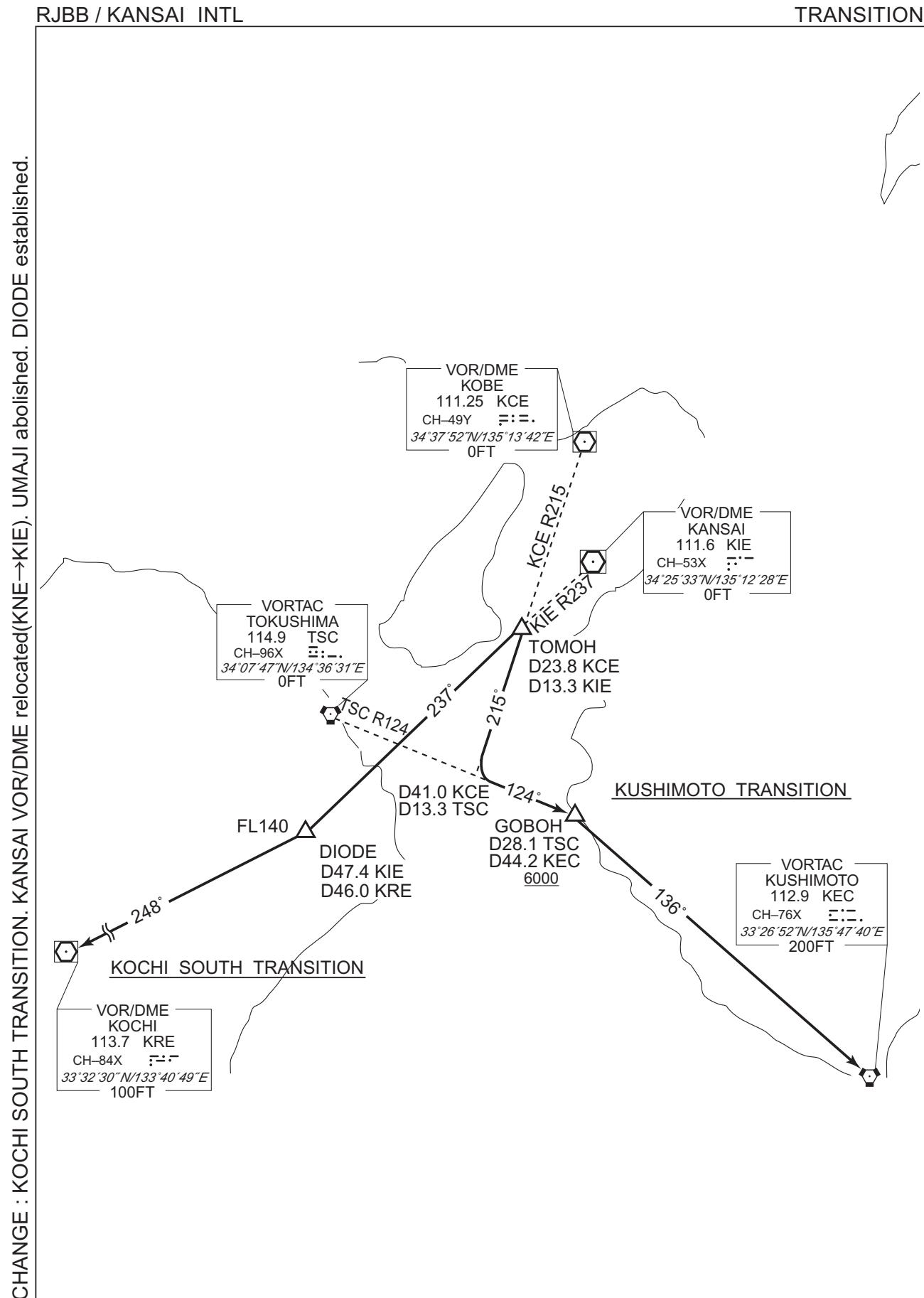
CHANGE : KOCHI SOUTH TRANSITION. KANSAI VOR/DME updated(KNE→KIE).

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.

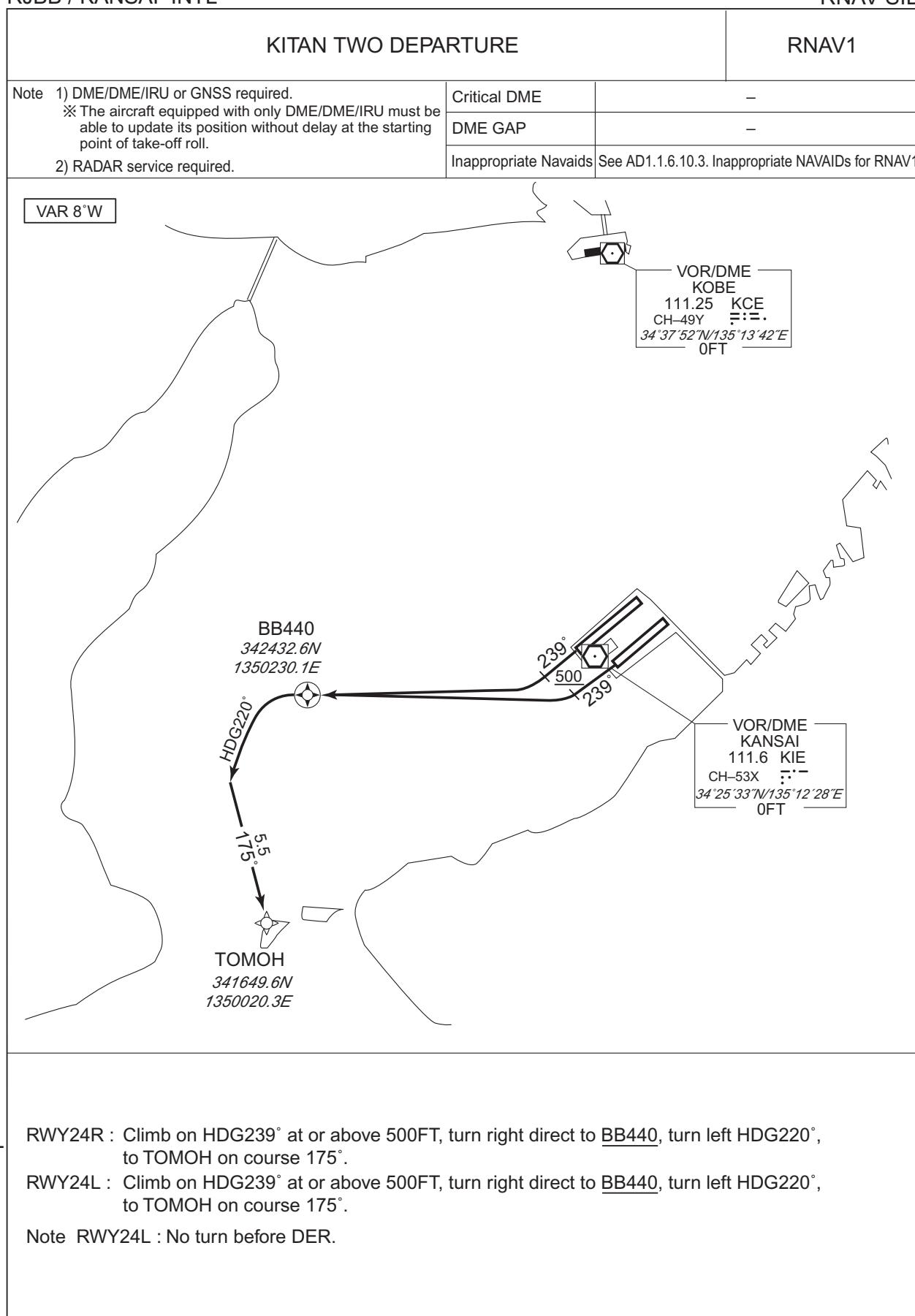
STANDARD DEPARTURE CHART-INSTRUMENT



## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID



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

RWY24L

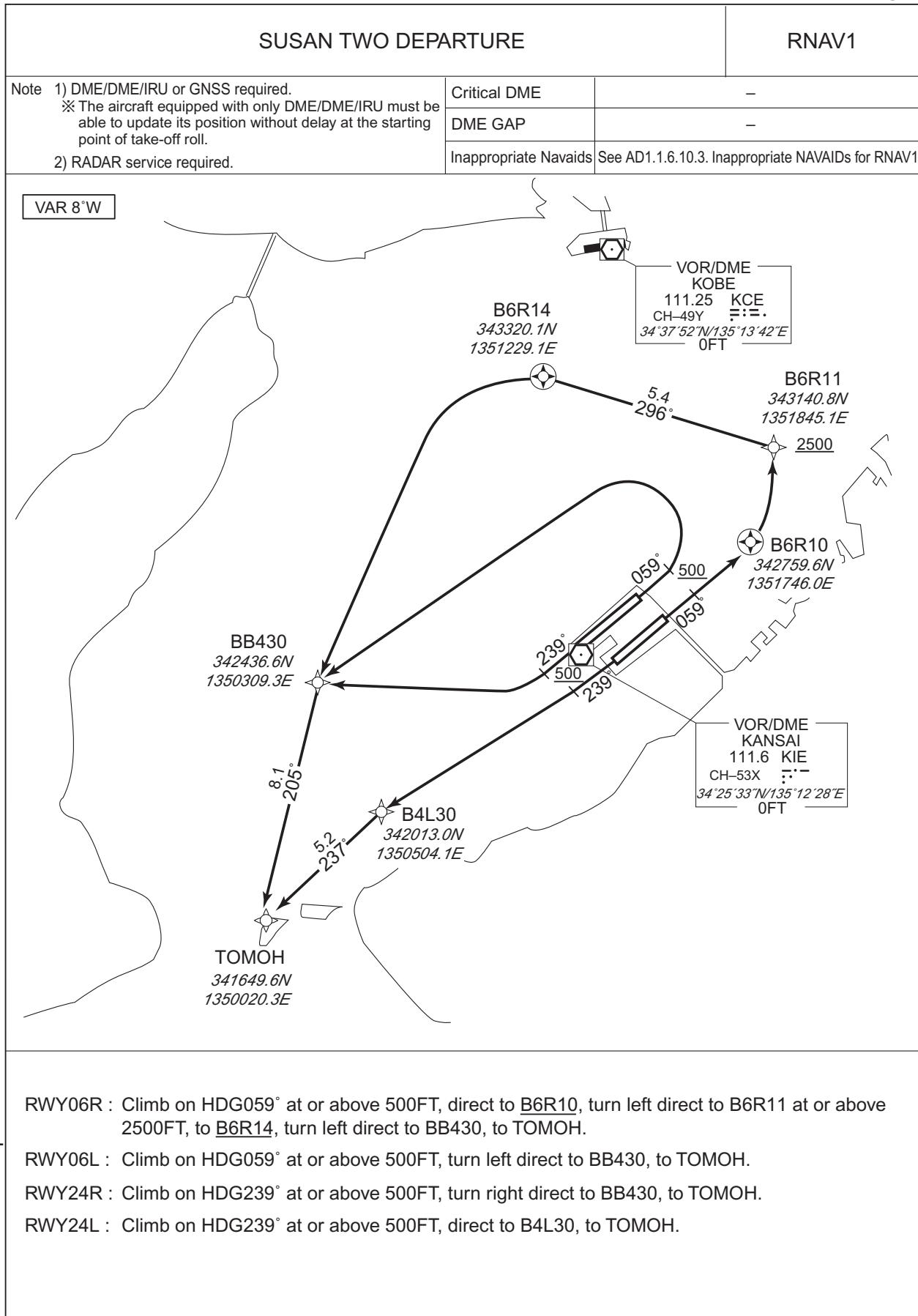
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 239<br>(230.9) | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | BB440               | Y        | —              | -7.9               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | VI              | —                   | —        | 220<br>(211.8) | -7.9               | —             | L              | —             | —            | —              | RNAV1                    |
| 004           | CF              | TOMOH               | —        | 175<br>(166.8) | -7.9               | 5.5           | —              | —             | —            | —              | RNAV1                    |

CHANGE : VAR. PROC renamed. PROC course.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID



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

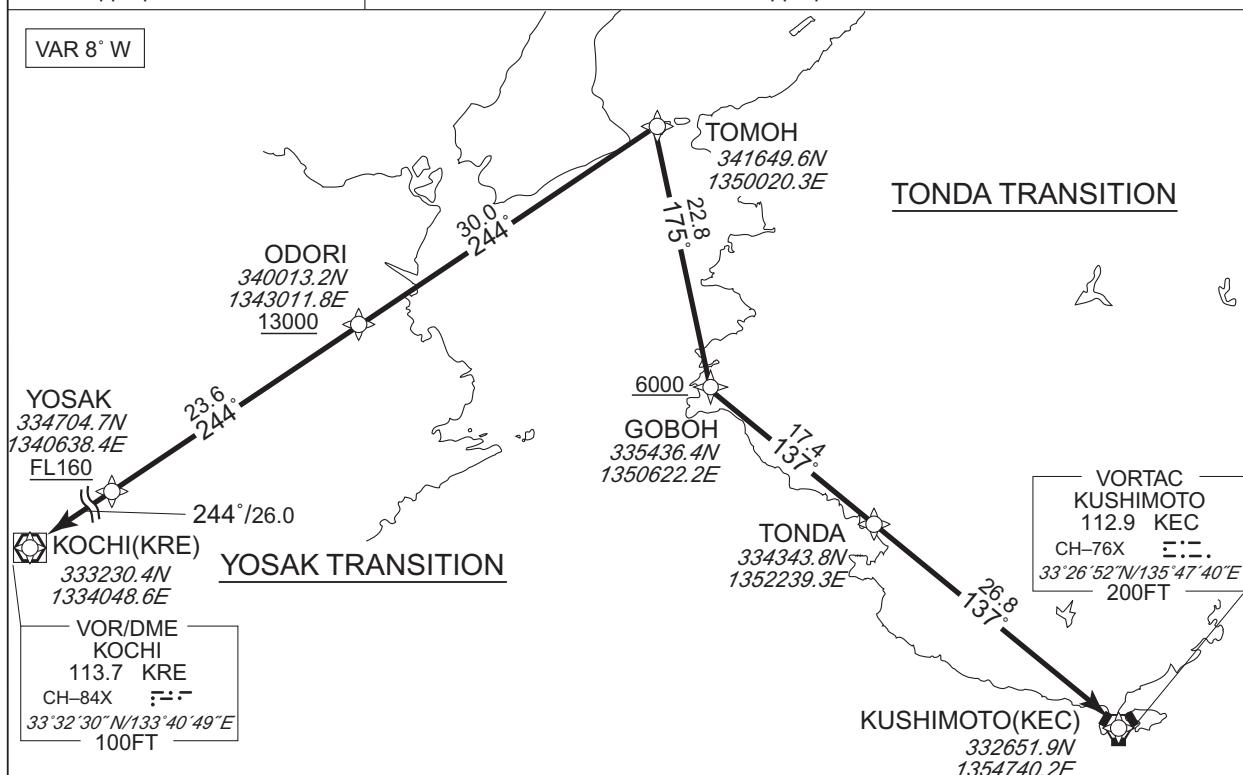
RNAV1

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

Inappropriate Navaids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8° W

TONDA TRANSITION

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

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

| 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<br>(167.3) | -7.9               | 22.8          | -              | +6000         | -            | -              | RNAV1                    |
| 003           | TF              | TONDA               | -        | 137<br>(128.7) | -7.9               | 17.4          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | KEC                 | -        | 137<br>(128.9) | -7.9               | 26.8          | -              | -             | -            | -              | RNAV1                    |

CHANGE : Description of VAR.

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<br>(236.5) | -7.9               | 30.0          | —              | +13000        | —            | —              | RNAV1                    |
| 003           | TF              | YOSAK               | —        | 244<br>(236.2) | -7.9               | 23.6          | —              | +FL160        | —            | —              | RNAV1                    |
| 004           | TF              | KRE                 | —        | 244<br>(236.0) | -7.9               | 26.0          | —              | —             | —            | —              | RNAV1                    |

CHANGE : VAR.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID



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

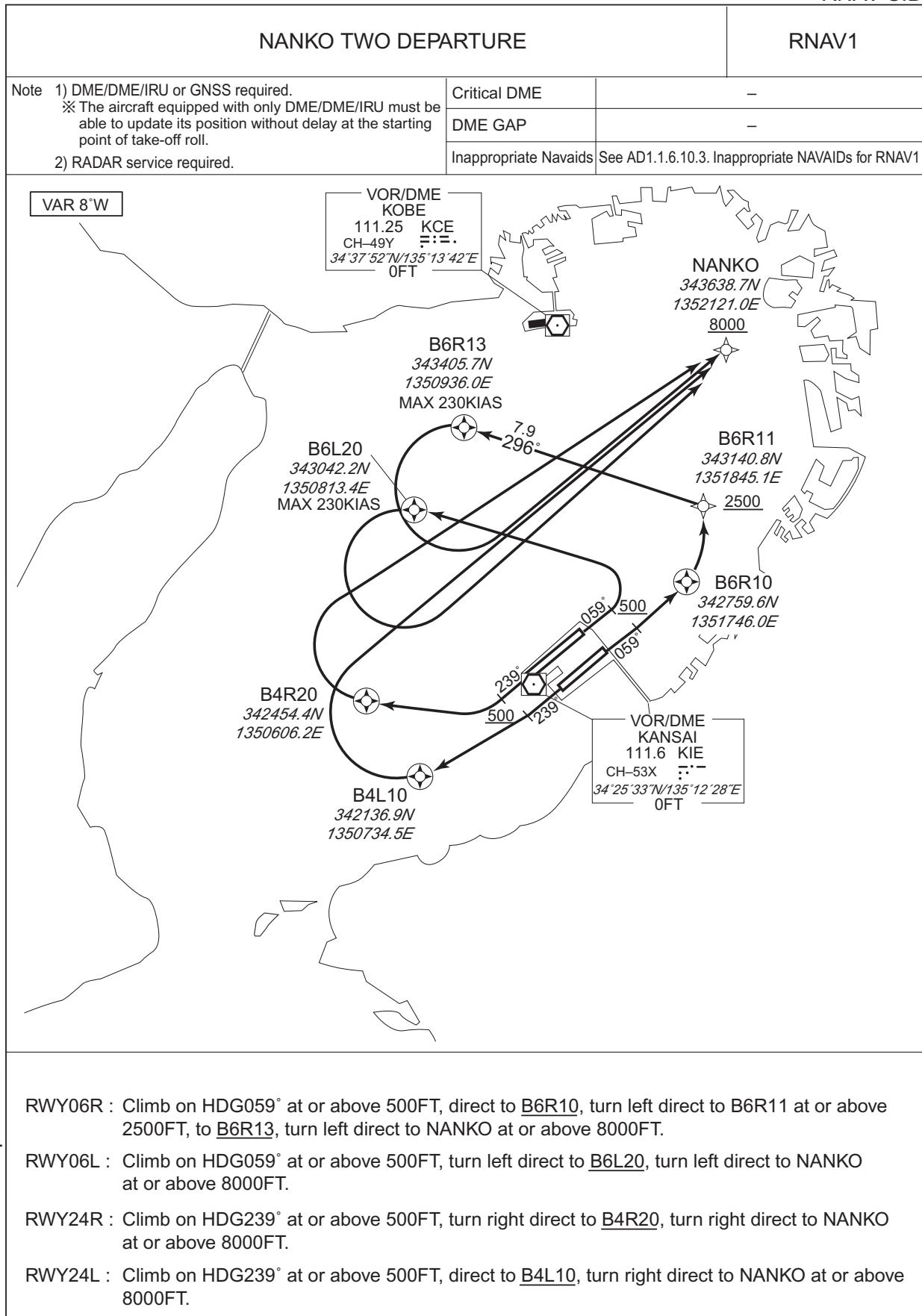
| BAMBI TRANSITION / SHTLE TRANSITION / UENOH TRANSITION  |   | RNAV1                                   |              |               |                    |               |                |               |              |                |                          |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
|---|---|---|--------------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|-----|----|-------|---|---|------|---|---|---|---|---|-------|-----|----|-------|---|-------------|------|------|---|---|---|---|-------|--------------|--|---|---------|--|---|--------------|---------|---|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|-----|----|-------|---|---|------|---|---|---|---|---|-------|-----|----|-------|---|-------------|------|------|---|---|---|---|-------|-----|----|-------|---|-------------|------|------|---|---|---|---|-------|-----|----|-------|---|-------------|------|------|---|---|---|---|-------|--------------|--|---|---------|--|---|--------------|---------|---|
| Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.  |   |   |              |               |                    |               |                |               |              |                |                          |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| Inappropriate Navaids   | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |   |              |               |                    |               |                |               |              |                |                          |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| VAR 8° W  |   |   |              |               |                    |               |                |               |              |                |                          |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| <p><b>BAMBI TRANSITION</b><br/>From ISPUM, to NARAH.<br/>From NARAH, to YAGYU.<br/><b>SHTLE TRANSITION</b><br/>From YAGYU, to SHTLE.<br/><b>UENOH TRANSITION</b><br/>From ISPUM, to NARAH, to UENOH, to GUJYO.</p> <table border="1"> <thead> <tr> <th colspan="2">Critical DME</th> <th>—</th> </tr> <tr> <th colspan="2">DME GAP</th> <th>—</th> </tr> </thead> <tbody> <tr> <td>Critical DME</td><td>DME GAP</td><td>—</td></tr> </tbody> </table> <table border="1"> <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> <table border="1"> <thead> <tr> <th colspan="2">Critical DME</th> <th>—</th> </tr> <tr> <th colspan="2">DME GAP</th> <th>—</th> </tr> </thead> <tbody> <tr> <td>Critical DME</td><td>DME GAP</td><td>—</td></tr> </tbody> </table> <table border="1"> <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> <table border="1"> <thead> <tr> <th colspan="2">Critical DME</th> <th>KCC : 32.0NM to GUJYO - 24.0NM to GUJYO</th> </tr> <tr> <th colspan="2">DME GAP</th> <th>—</th> </tr> </thead> <tbody> <tr> <td>Critical DME</td><td>DME GAP</td><td>—</td></tr> </tbody> </table> |   |   | Critical DME |               | —                  | DME GAP       |                | —             | 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 | ISPUM | — | — | -7.9 | — | — | — | — | — | RNAV1 | 002 | TF | NARAH | — | 087 (078.8) | -7.9 | 21.8 | — | — | — | — | RNAV1 | Critical DME |  | — | DME GAP |  | — | 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 | 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 | Critical DME |  | KCC : 32.0NM to GUJYO - 24.0NM to GUJYO | DME GAP |  | — | Critical DME | DME GAP | — |
| Critical DME  |   | —                                       |              |               |                    |               |                |               |              |                |                          |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| DME GAP   |   | —                                       |              |               |                    |               |                |               |              |                |                          |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| 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  | ISPUM                                   | —            | —             | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| 002   | TF  | NARAH                                   | —            | 087 (078.8)   | -7.9               | 21.8          | —              | —             | —            | —              | RNAV1                    |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| Critical DME  |   | —                                       |              |               |                    |               |                |               |              |                |                          |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| DME GAP   |   | —                                       |              |               |                    |               |                |               |              |                |                          |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| 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  | 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                    |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| Critical DME  |   | KCC : 32.0NM to GUJYO - 24.0NM to GUJYO |              |               |                    |               |                |               |              |                |                          |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| DME GAP   |   | —                                       |              |               |                    |               |                |               |              |                |                          |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |
| Critical DME  | DME GAP   | —                                       |              |               |                    |               |                |               |              |                |                          |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |               |                 |                     |          |               |                    |               |                |               |              |                |                          |     |    |       |   |   |      |   |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |     |    |       |   |             |      |      |   |   |   |   |       |              |  |   |         |  |   |              |         |   |

CHANGE : Description of VAR.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID



## 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 Navaids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8° W

SIGAK TRANSITION



SIGAK TRANSITION

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

|              |  |
|--------------|--|
| Critical DME | ITE : 8.0NM to SIGAK - 5.0NM to SIGAK<br>SIGAK - 30.0NM to GUJYO<br>YME : 33.0NM to GUJYO - 30.0NM to GUJYO<br>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<br>(043.4) | -7.9               | 15.6          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | KYOTO               | —        | 086<br>(077.7) | -7.9               | 8.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | SIGAK               | —        | 085<br>(077.4) | -7.9               | 15.2          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | GUJYO               | —        | 050<br>(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<br>(043.4) | -7.9               | 15.6          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | KYOTO               | —        | 086<br>(077.7) | -7.9               | 8.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | SIGAK               | —        | 085<br>(077.4) | -7.9               | 15.2          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | KCC                 | —        | 069<br>(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.<br>※ 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.<br>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 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

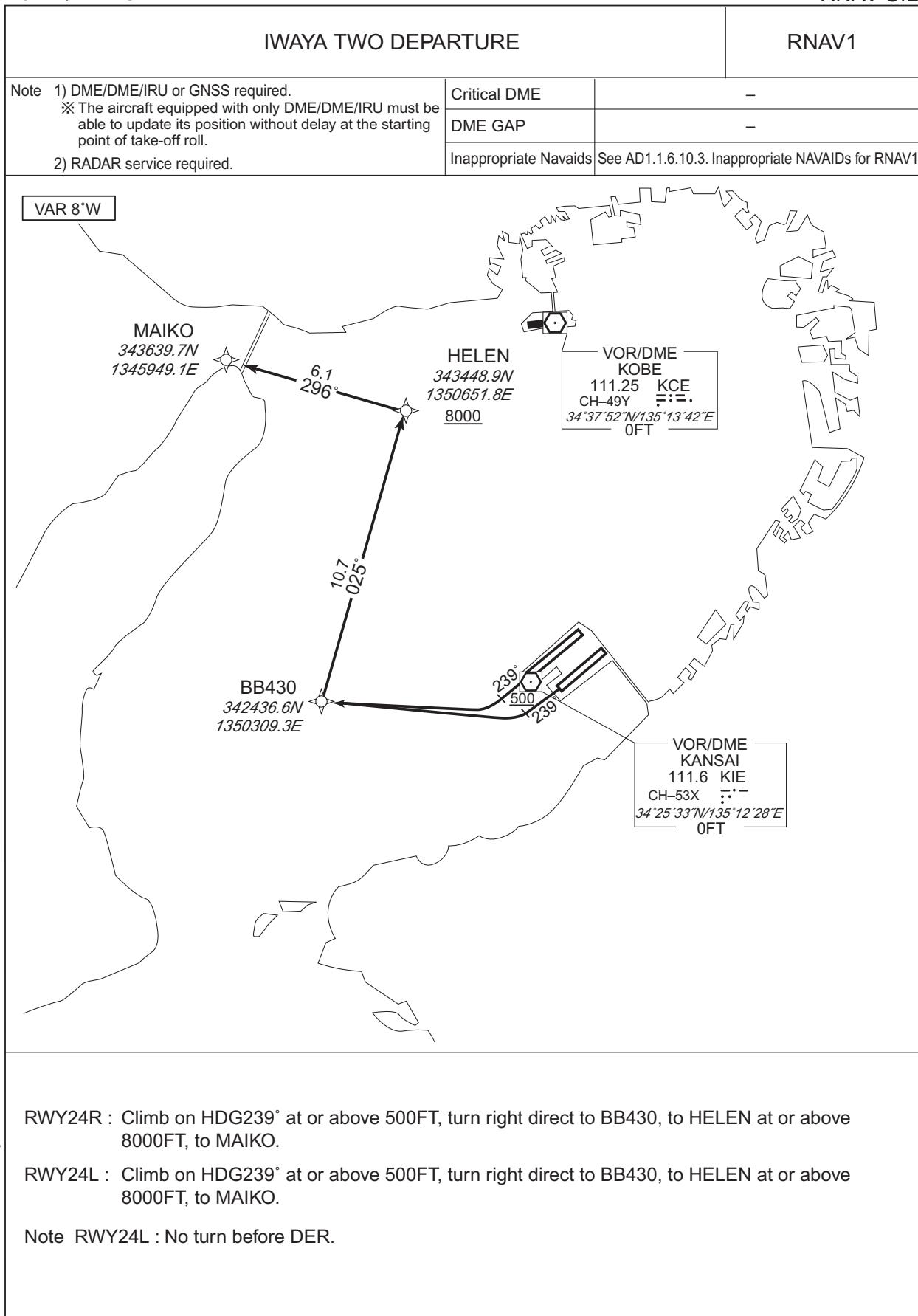
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|------------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



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<br>(230.9) | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | BB430               | —        | —              | -7.9               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | HELEN               | —        | 025<br>(016.6) | -7.9               | 10.7          | —              | +8000         | —            | —              | RNAV1                    |
| 004           | TF              | MAIKO               | —        | 296<br>(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<br>(230.9) | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | BB430               | —        | —              | -7.9               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | HELEN               | —        | 025<br>(016.6) | -7.9               | 10.7          | —              | +8000         | —            | —              | RNAV1                    |
| 004           | TF              | MAIKO               | —        | 296<br>(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

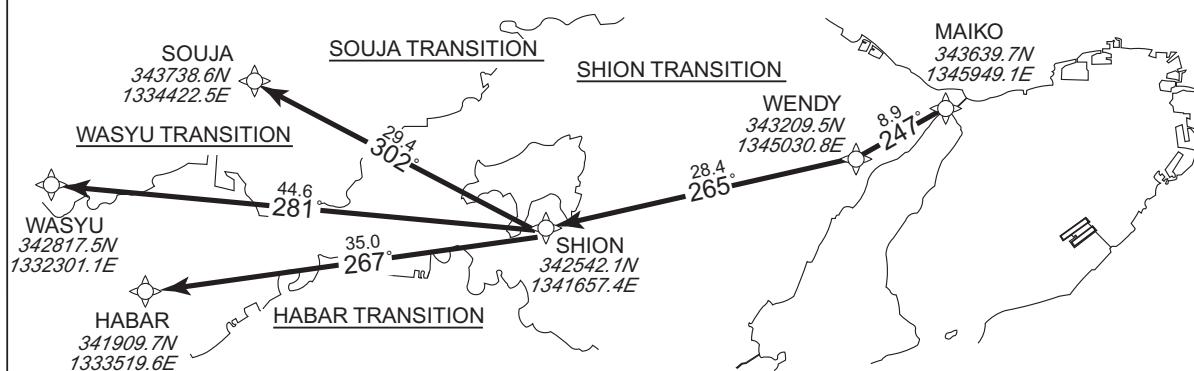
RNAV1

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<br>(239.6) | -7.9               | 8.9           | -              | -             | -            | -              | RNAV1                    |
| 003           | TF              | SHION               | -        | 265<br>(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<br>(239.6) | -7.9               | 8.9           | -              | -             | -            | -              | RNAV1                    |
| 003           | TF              | SHION               | -        | 265<br>(257.0) | -7.9               | 28.4          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | SOUJA               | -        | 302<br>(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<br>(239.6) | -7.9               | 8.9           | -              | -             | -            | -              | RNAV1                    |
| 003           | TF              | SHION               | -        | 265<br>(257.0) | -7.9               | 28.4          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | WASYU               | -        | 281<br>(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<br>(239.6) | -7.9               | 8.9           | -              | -             | -            | -              | RNAV1                    |
| 003           | TF              | SHION               | -        | 265<br>(257.0) | -7.9               | 28.4          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | HABAR               | -        | 267<br>(259.4) | -7.9               | 35.0          | -              | -             | -            | -              | RNAV1                    |

CHANGE : Description of VAR.

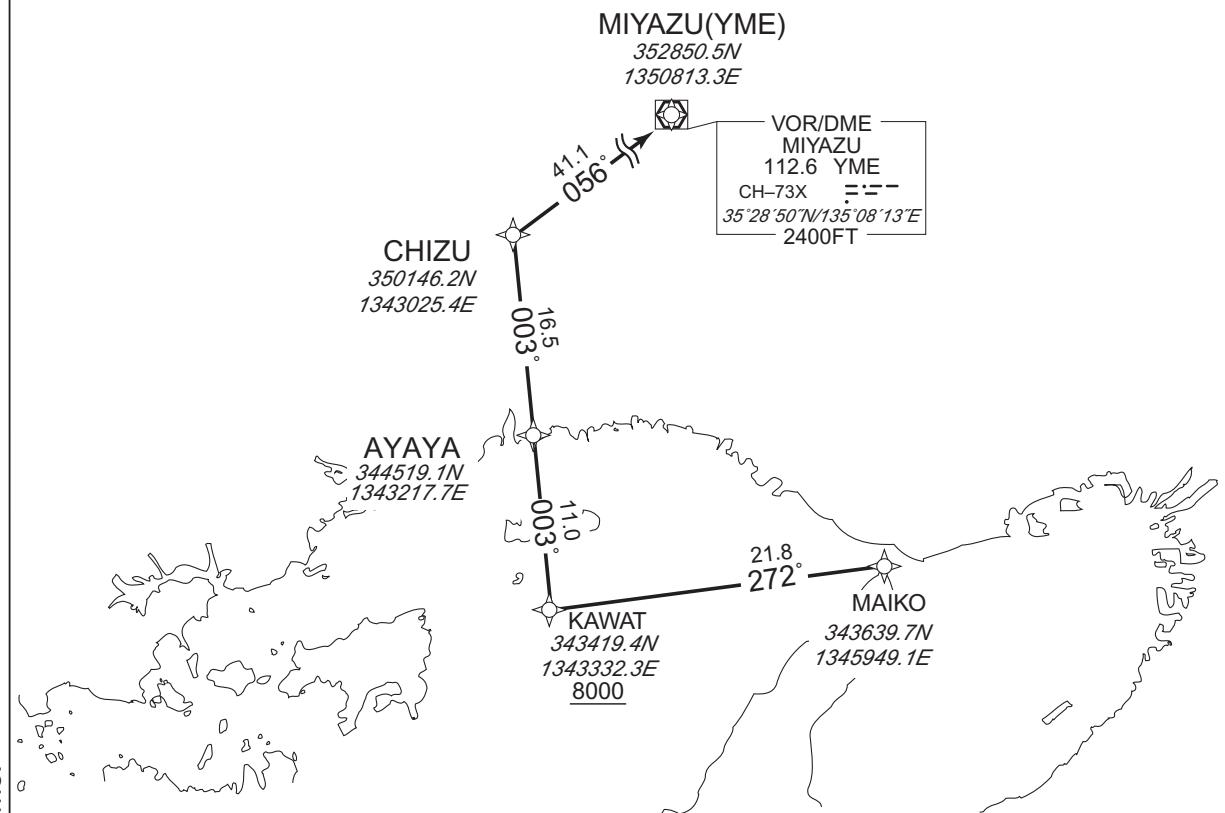
STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

| CHIZU TRANSITION  |                       | RNAV1  |
|---|-----------------------|--|
| Note 1) DME/DME/IRU or GNSS required.<br>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.

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<br>(264.0) | -7.9               | 21.8          | -              | +8000         | -            | -              | RNAV1                    |
| 003           | TF              | AYAYA               | -        | 003<br>(354.7) | -7.9               | 11.0          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | CHIZU               | -        | 003<br>(354.7) | -7.9               | 16.5          | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | YME                 | -        | 056<br>(048.6) | -7.9               | 41.1          | -              | -             | -            | -              | RNAV1                    |

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

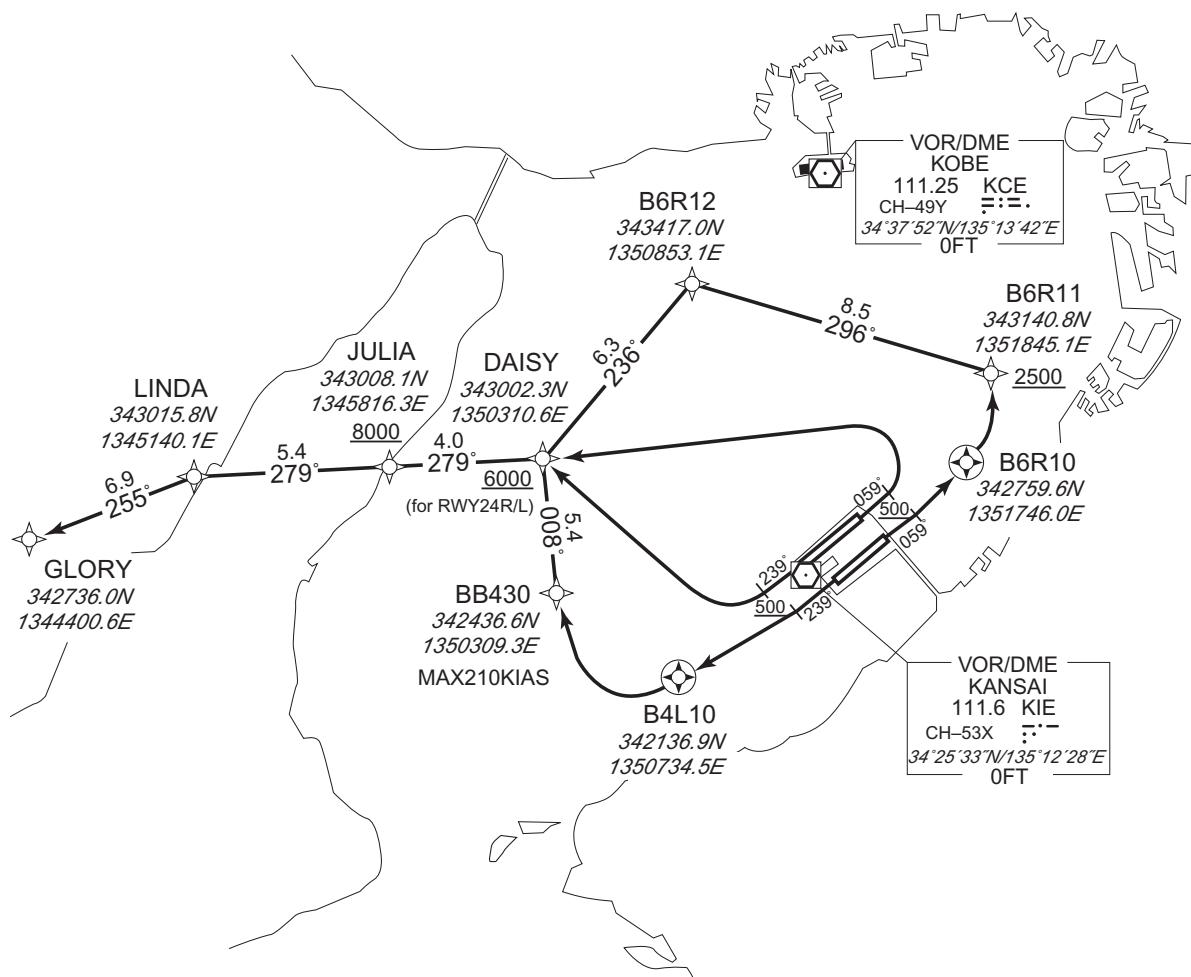
RNAV SID

## DAISY TWO DEPARTURE

RNAV1

|  |                       |   |
|--|-----------------------|---|
| Note 1) DME/DME/IRU or GNSS required.<br>※ 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.<br>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 |                     |          |               |                    |               |                |               |              |                |                          |
|  |   |                     |          |               |                    |               |                |               |              |                |                          |
| 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 VARP 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.



## 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

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)<br>1.5(+14001) | -                      | R              | 8000                  | -                     | -230(-14000)<br>-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 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              | 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)<br>1.5(+14001) | -                      | R              | 8000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Course FM DOGGY to CEYLN.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

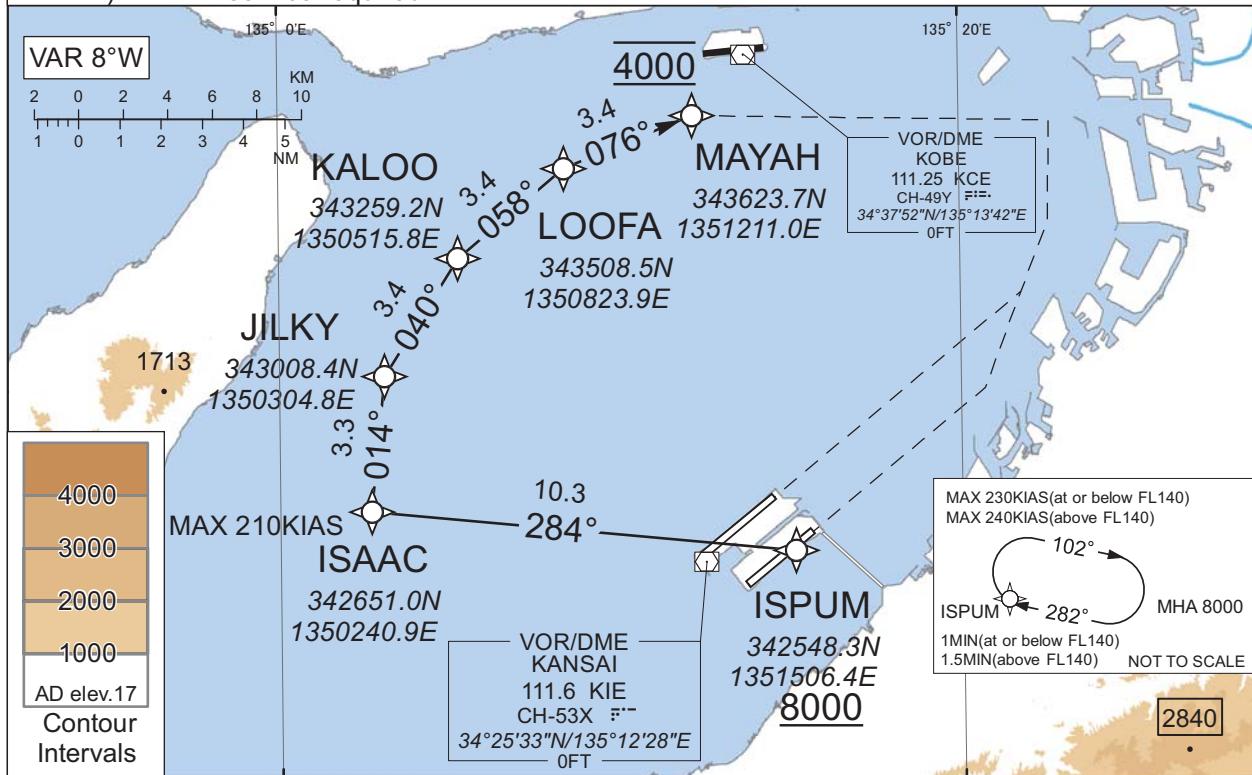
RNAV STAR RWY24R/24L

MAYAH ARRIVAL

RNAV1

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

2) RADAR service required.



From ISPUM at or above 8000FT, to ISAAC, to JILKY, to KALOO, to LOOFA, to MAYAH at 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              | 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)<br>1.5(+14001) | -                      | R              | 8000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : Description of VAR and PROC name.

## STANDARD ARRIVAL CHART - INSTRUMENT

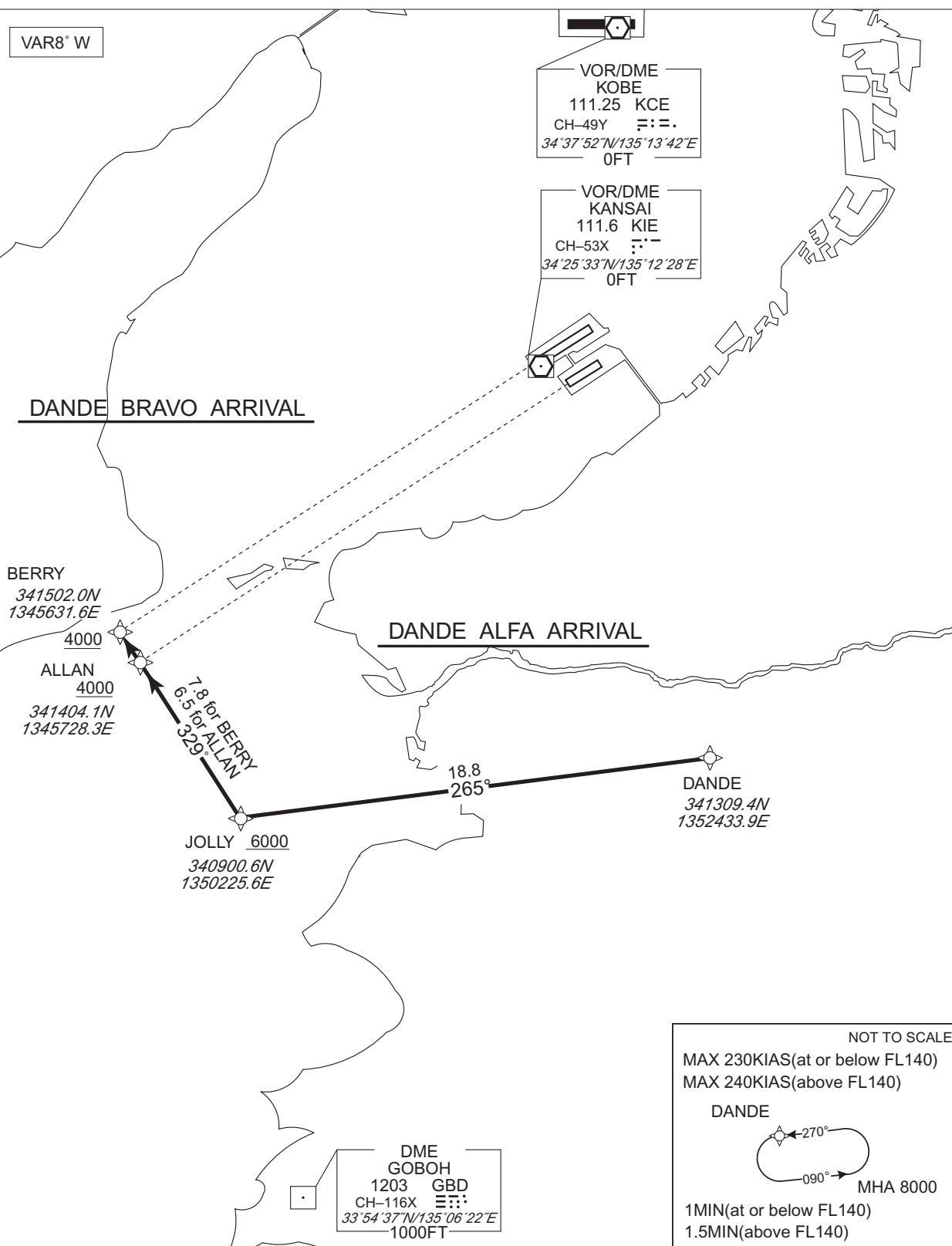
RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

DANDE ALFA ARRIVAL  
DANDE BRAVO ARRIVAL

RNAV1

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



## 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 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              | DANDE               | —        | —               | -8.0               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | JOLLY               | —        | 265<br>(257.3)  | -8.0               | 18.8          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ALLAN               | —        | 329<br>(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<br>(262.6)        | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 8000                  | —                     | -230(-14000)<br>-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 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              | DANDE               | —        | —               | -8.0               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | JOLLY               | —        | 265<br>(257.3)  | -8.0               | 18.8          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | BERRY               | —        | 329<br>(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<br>(262.6)        | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Critical DME deleted.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

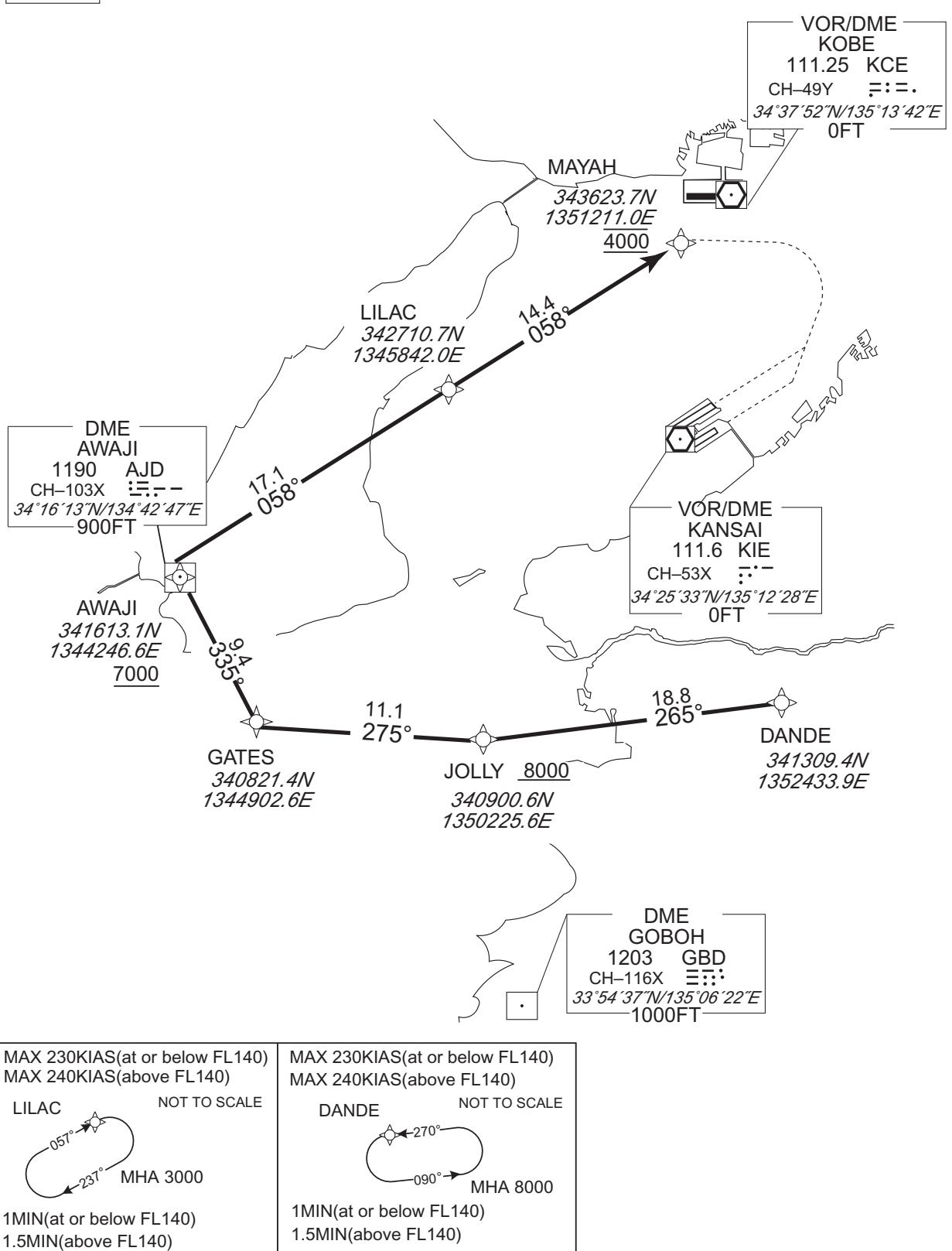
RNAV STAR RWY24L/24R

## DANDE CHARLIE ARRIVAL

RNAV1

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

VAR 8° W



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          | TZT : JOLLY - 8.0NM to GATES<br>7.0NM to GATES - GATES<br>8.0NM to AWAJI - 11.0NM to LILAC | GBD : JOLLY - 8.0NM to GATES<br>7.0NM to GATES - GATES<br>8.0NM to AWAJI - MAYAH |
| DME GAP               | 8.0NM to GATES - 7.0NM to GATES  | GATES - 8.0NM to AWAJI   |
| 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              | 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)<br>1.5(+14001) | —                      | L              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057 (049.2)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Critical DME.

## 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

DME  
 SHODO  
 1178 STD  
 CH-91X   
 $34^{\circ}30'45''N/134^{\circ}16'27''E$   
 2500FT

ALISA  
 $34^{\circ}30'42.6''N$   
 $134^{\circ}08'04.1''E$

DME  
 AWAJI  
 1190 AJD  
 CH-103X   
 $34^{\circ}16'13''N/134^{\circ}42'47''E$   
 900FT

TANTA  
 $34^{\circ}16'04.9''N$   
 $134^{\circ}27'29.2''E$   
 6000

BERRY  
 $34^{\circ}15'02.0''N$   
 $134^{\circ}56'31.6''E$   
 4000  
 04° 15.2'  
 058° 15.0'  
 056° 14.5'  
 058° 14.7'

ALLAN  
 $34^{\circ}14'04.1''N$   
 $134^{\circ}57'28.3''E$   
 4000

BAGLE  
 $34^{\circ}10'51.4''N$   
 $134^{\circ}52'51.0''E$

ASAMI  
 $34^{\circ}07'57.9''N$   
 $134^{\circ}48'41.8''E$

VOR/DME  
 KANSAI  
 111.6 KIE  
 CH-53X   
 $34^{\circ}25'33''N/135^{\circ}12'28''E$   
 OFT

06L/06R

ALISA ALFA ARRIVAL  
ALISA BRAVO ARRIVAL

VORTAC  
 TOKUSHIMA  
 114.9 TSC  
 CH-96X   
 $34^{\circ}07'47''N/134^{\circ}36'31''E$   
 OFT

BECKY ALFA ARRIVAL  
BECKY BRAVO ARRIVAL

NALTO  
 $34^{\circ}09'00.6''N$   
 $134^{\circ}43'13.3''E$

EVIAN  
 $33^{\circ}59'42.2''N$   
 $134^{\circ}36'57.3''E$   
 6000

BECKY  
 $33^{\circ}55'09.0''N$   
 $134^{\circ}30'30.6''E$

CANDY  
 $33^{\circ}52'29.8''N$   
 $134^{\circ}55'41.8''E$

CANDY ALFA ARRIVAL  
CANDY BRAVO ARRIVAL

DME  
 GOBOH  
 1203 GBD  
 CH-116X   
 $33^{\circ}54'37''N/135^{\circ}06'22''E$   
 1000FT

CHANGE : Description of VAR.

| NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) |
|--|--|--|--|--|
| <br>1MIN(at or below FL140)<br>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 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              | 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)<br>1.5(+14001) | —                      | R              | 10000                 | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-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 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              | 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)<br>1.5(+14001) | —                      | R              | 10000                 | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-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 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              | 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)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-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 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              | 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)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-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 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              | 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)<br>1.5(+14001) | —                      | L              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | DATIS               | 307 (298.6)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-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 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              | 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)<br>1.5(+14001) | —                      | L              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | DATIS               | 307 (298.6)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

|  |       |
|--|-------|
| <b>ALISA CHARLIE ARRIVAL</b><br><b>BECKY CHARLIE ARRIVAL</b><br><b>CANDY CHARLIE ARRIVAL</b> | RNAV1 |
|--|-------|

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

VAR 8° W



CHANGE : Description of VAR

| NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) | NOT TO SCALE<br>MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140) |
|--|--|--|--|
| ALISA<br>MHA 10000<br>1MIN(at or below FL140)<br>1.5MIN(above FL140)       | BECKY<br>MHA 8000<br>1MIN(at or below FL140)<br>1.5MIN(above FL140)        | CANDY<br>MHA 9000<br>1MIN(at or below FL140)<br>1.5MIN(above FL140)        | LILAC<br>MHA 3000<br>1MIN(at or below FL140)<br>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          | TZT : AWAJI - 11.0NM to LILAC<br>GBD : AWAJI - MAYAH |
| 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              | ALISA               | —        | —               | -8.0               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 140<br>(132.3)  | -8.0               | 21.7          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | AWAJI               | —        | 097<br>(089.3)  | -8.0               | 12.6          | —              | +7000         | —            | —              | RNAV1                    |
| 004           | TF              | LILAC               | —        | 058<br>(050.1)  | -8.0               | 17.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 058<br>(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<br>(134.0)        | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 10000                 | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057<br>(049.2)        | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

BECKY CHARLIE ARRIVAL

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

|                       |   |
|-----------------------|---|
| Critical DME          | GBD : 5.2NM to AWAJI - 4.2NM to AWAJI<br>AWAJI - MAYAH<br>TZT : AWAJI - 11.0NM to LILAC |
| 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              | BECKY               | —        | —               | -8.0               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 045<br>(037.2)  | -8.0               | 17.4          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | AWAJI               | —        | 005<br>(357.1)  | -8.0               | 7.2           | —              | +7000         | —            | —              | RNAV1                    |
| 004           | TF              | LILAC               | —        | 058<br>(050.1)  | -8.0               | 17.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 058<br>(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<br>(050.2)        | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057<br>(049.2)        | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR.

## 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 | GBD : 5.2NM to AWAJI - 4.2NM to AWAJI<br>AWAJI - MAYAH<br>TZT : AWAJI - 11.0NM to LILAC |
| 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              | CANDY               | —        | —               | -8.0               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 336<br>(328.0)  | -8.0               | 19.5          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | AWAJI               | —        | 005<br>(357.1)  | -8.0               | 7.2           | —              | +7000         | —            | —              | RNAV1                    |
| 004           | TF              | LILAC               | —        | 058<br>(050.1)  | -8.0               | 17.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 058<br>(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<br>(313.8)        | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057<br>(049.2)        | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R



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 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              | 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)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : Description of VAR.

## 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 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              | 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                    |

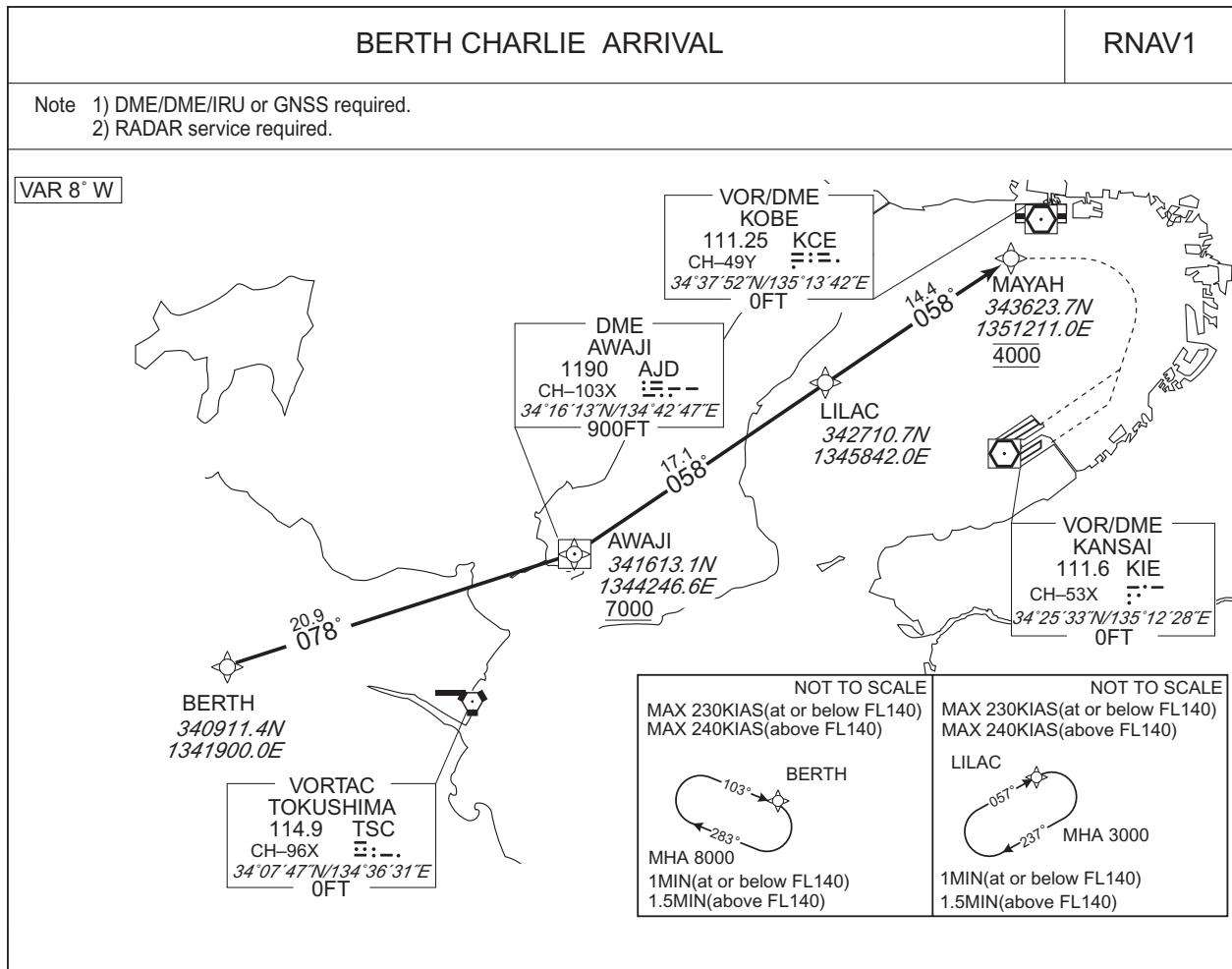
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|-------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

CHANGE : VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R



|              |  |
|--------------|--|
| Critical DME | TZT : AWAJI - 11.0NM to LILAC<br>GBD : AWAJI - MAYAH |
| 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              | 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                    |

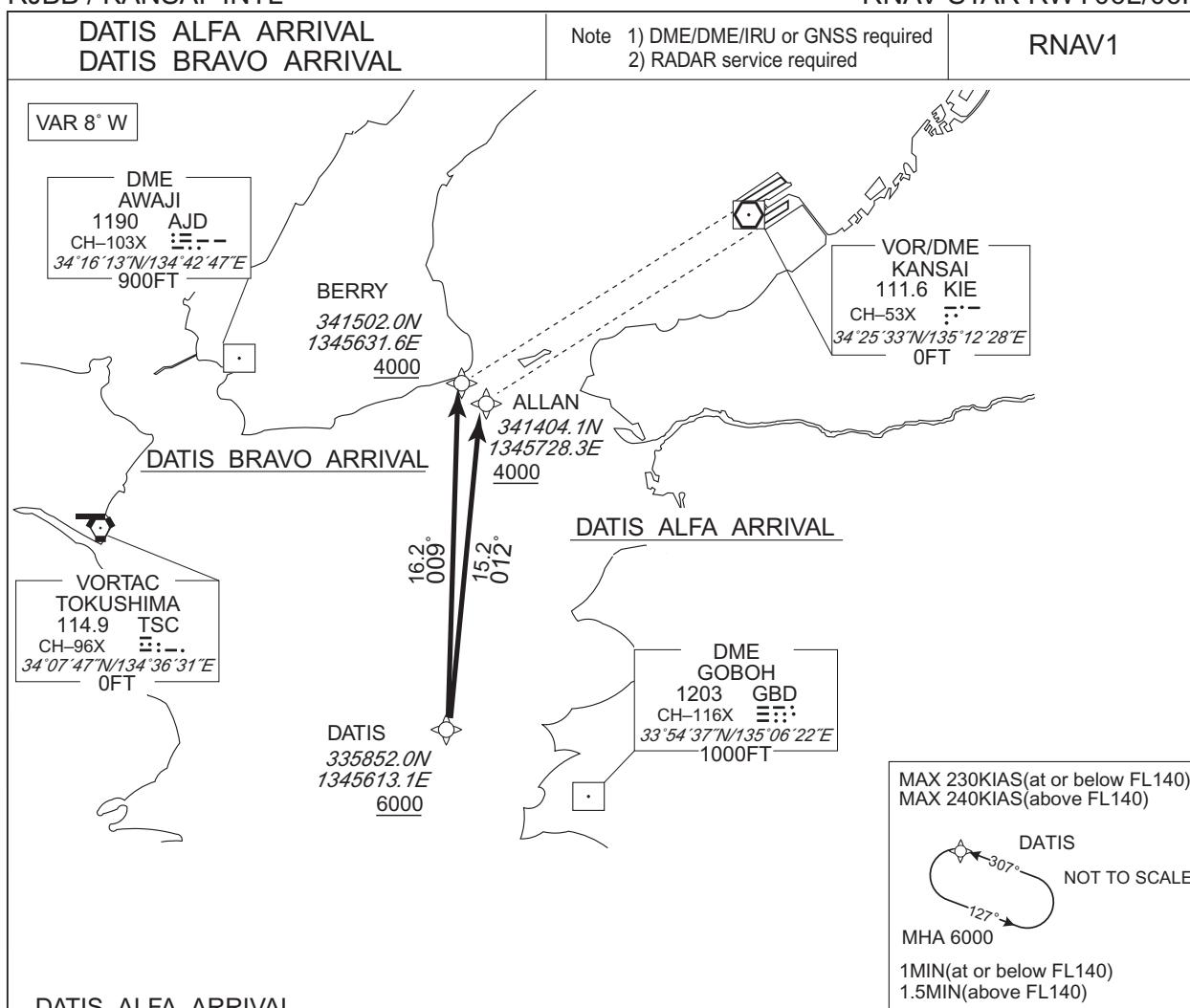
CHANGE : Critical DME.

| 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)<br>1.5(+14001) | -                      | R              | 8000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057 (049.2)             | -8.0               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 3000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R



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              | 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)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

## 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)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

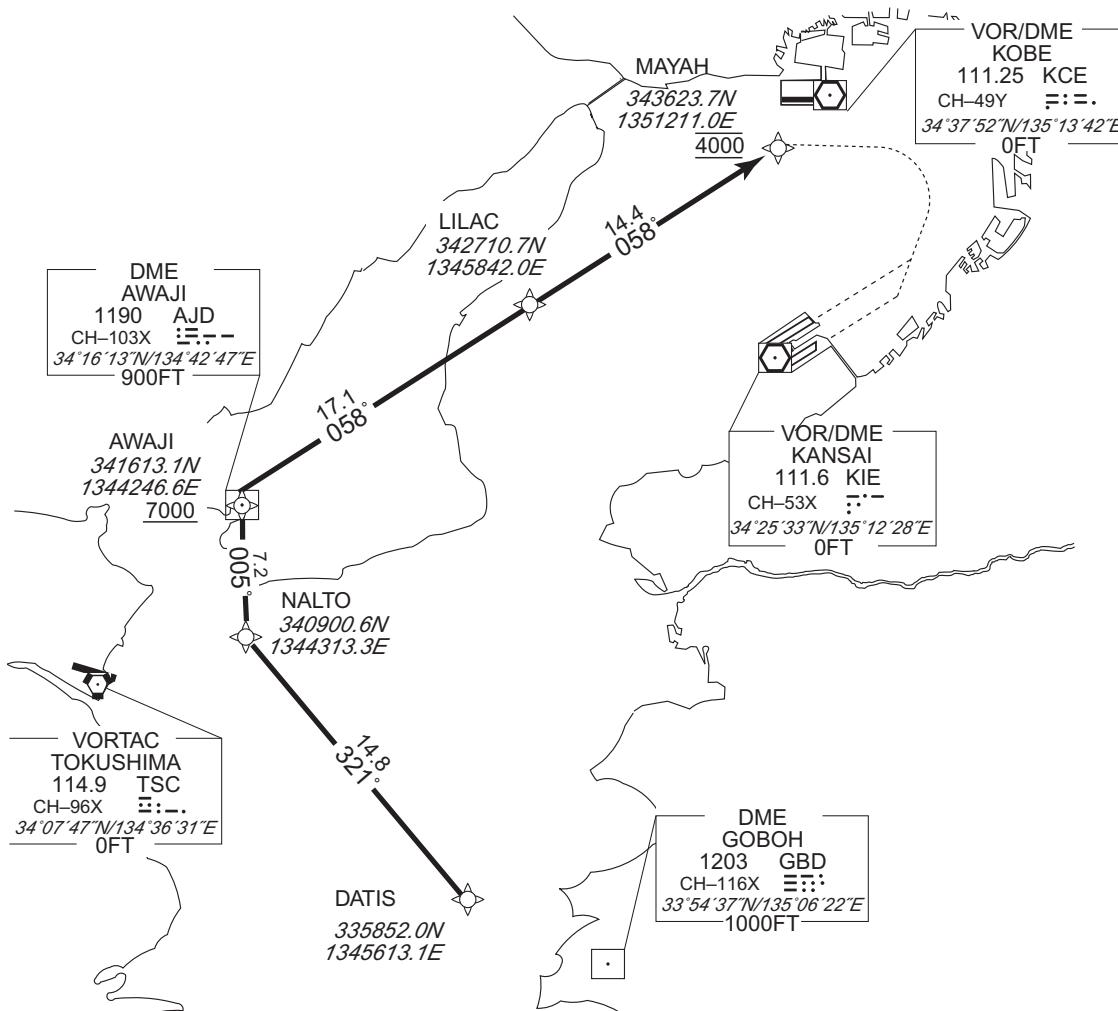
RNAV STAR RWY24L/24R

DATIS CHARLIE ARRIVAL

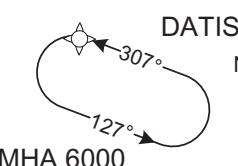
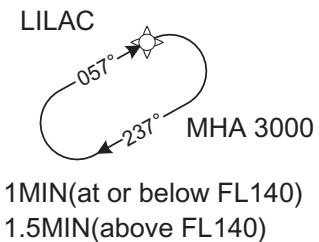
Note 1) DME/DME/IRU or GNSS required.  
2) RADAR service required.

RNAV1

VAR 8° W



CHANGE : Description of VAR and PROC name.

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

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                     | GBD : 5.2NM to AWAJI - 4.2NM to AWAJI<br>AWAJI - MAYAH<br>TZT : AWAJI - 11.0NM to LILAC |
| DME GAP<br>Inappropriate Navaids | —<br>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)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057 (049.2)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R



## 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<br>GBD: 7.1NM to HAMAR - 5.1NM to HAMAR |
| 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              | 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)<br>1.5(+14001) | -                      | R              | 10000                 | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 4000                  | -                     | -230(-14000)<br>-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<br>AJD : 2.0NM to MAYAH - MAYAH |
| 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              | 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)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-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<br>2.0NM to MAYAH - MAYAH<br>GBD: 7.1NM to HAMAR - 5.1NM to HAMAR |
| 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              | 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)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-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<br>AJD : 2.0NM to MAYAH - MAYAH |
| 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              | CANDY               | —        | —               | -8.0               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DATIS               | —        | 012<br>(003.9)  | -8.0               | 6.4           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | TOMOH               | —        | 019<br>(010.7)  | -8.0               | 18.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | HAMAR               | —        | 024<br>(016.2)  | -8.0               | 8.1           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 040<br>(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<br>(313.8)        | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | DATIS               | 307<br>(298.6)        | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R



## 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<br>AJD : 14.3NM to AKASI - 9.3NM to AKASI      |
| DME GAP      | —<br>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              | 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)<br>1.5(+14001) | —                      | R              | 10000                 | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | AKASI               | 092 (083.8)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-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<br>AJD : 14.3NM to AKASI - 9.3NM to AKASI      |
| DME GAP      | —<br>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              | 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)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | AKASI               | 092 (083.8)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-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<br>AJD : 14.3NM to AKASI - 9.3NM to AKASI |
| 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              | 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)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | AKASI               | 092 (083.8)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CANDY ECHO ARRIVAL

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

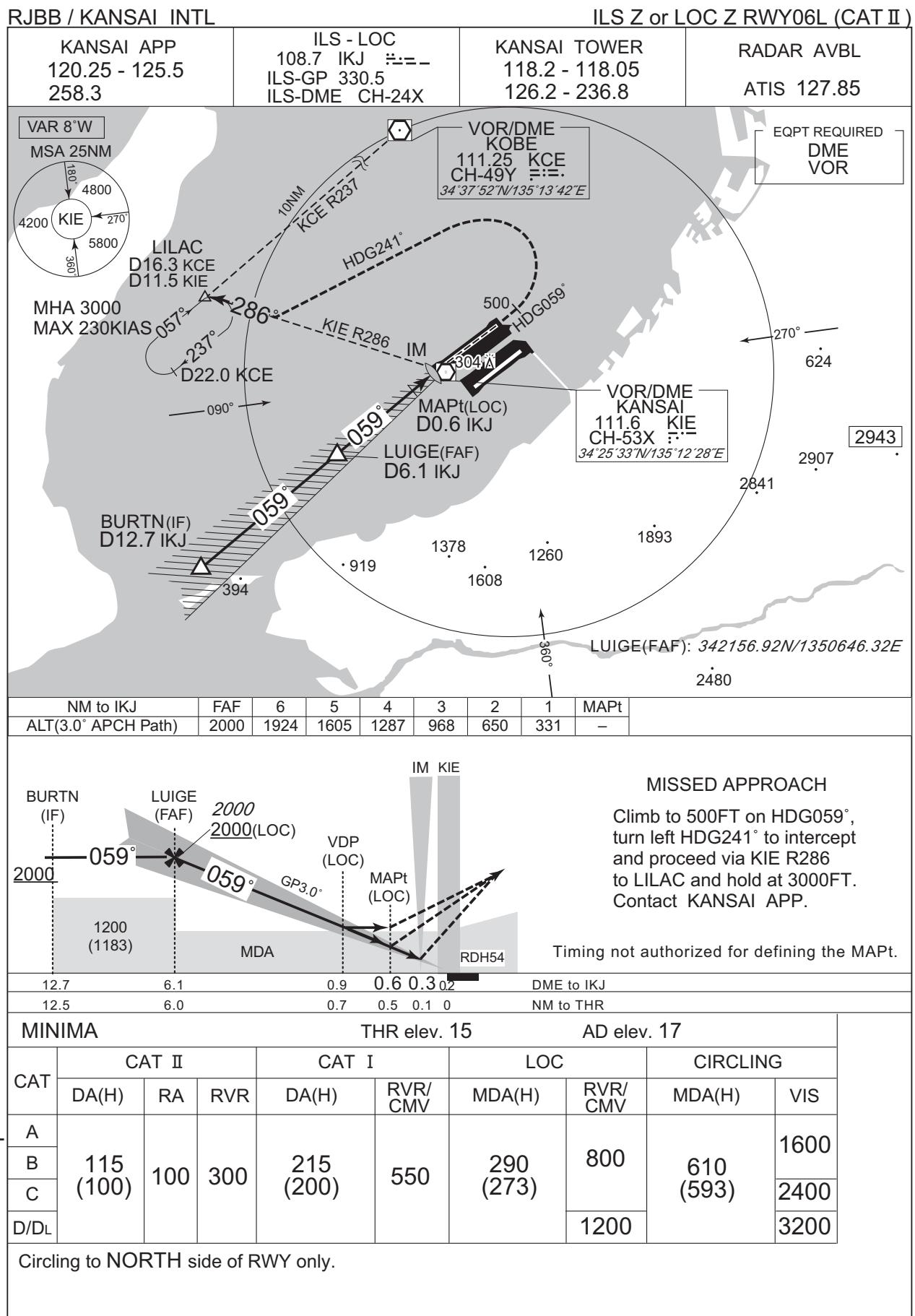
|                       |   |
|-----------------------|---|
| Critical DME          | KTE : TANTA - 18.3NM to AKASI<br>AJD : 14.3NM to AKASI - 9.3NM to AKASI |
| DME GAP               | —   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1                       |

| 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              | 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)<br>1.5(+14001) | —                      | L              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | AKASI               | 092 (083.8)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

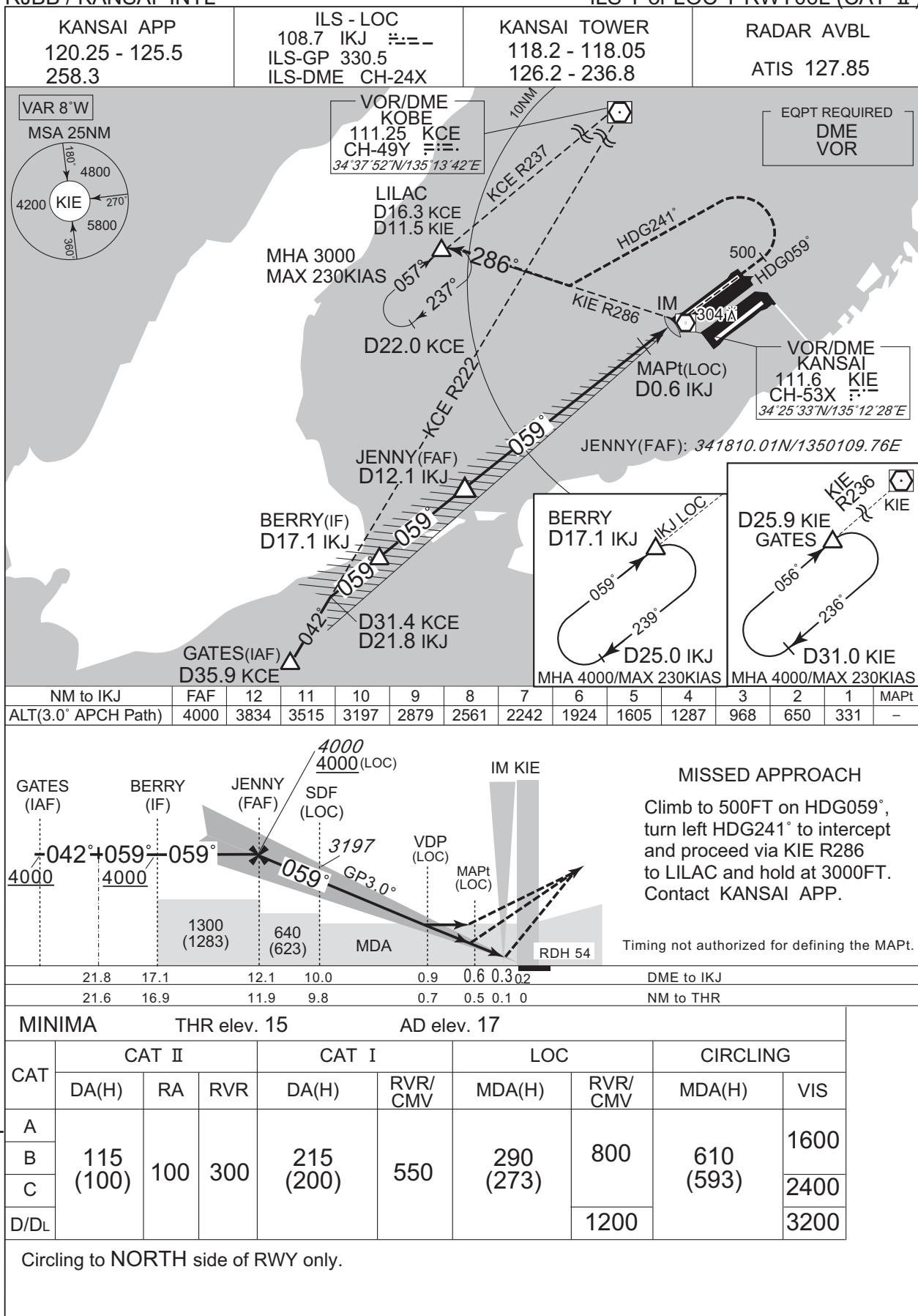
CHANGE : Minimum ALT at AKASI.

INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

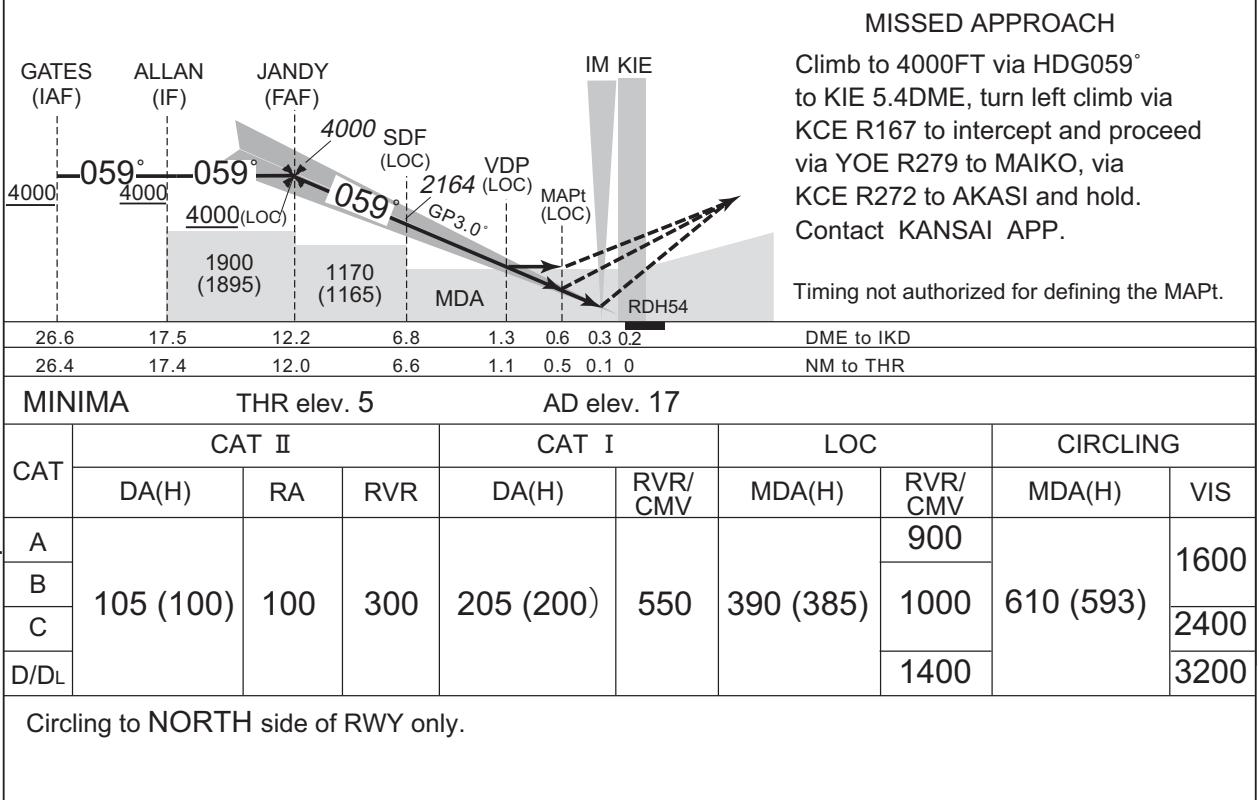
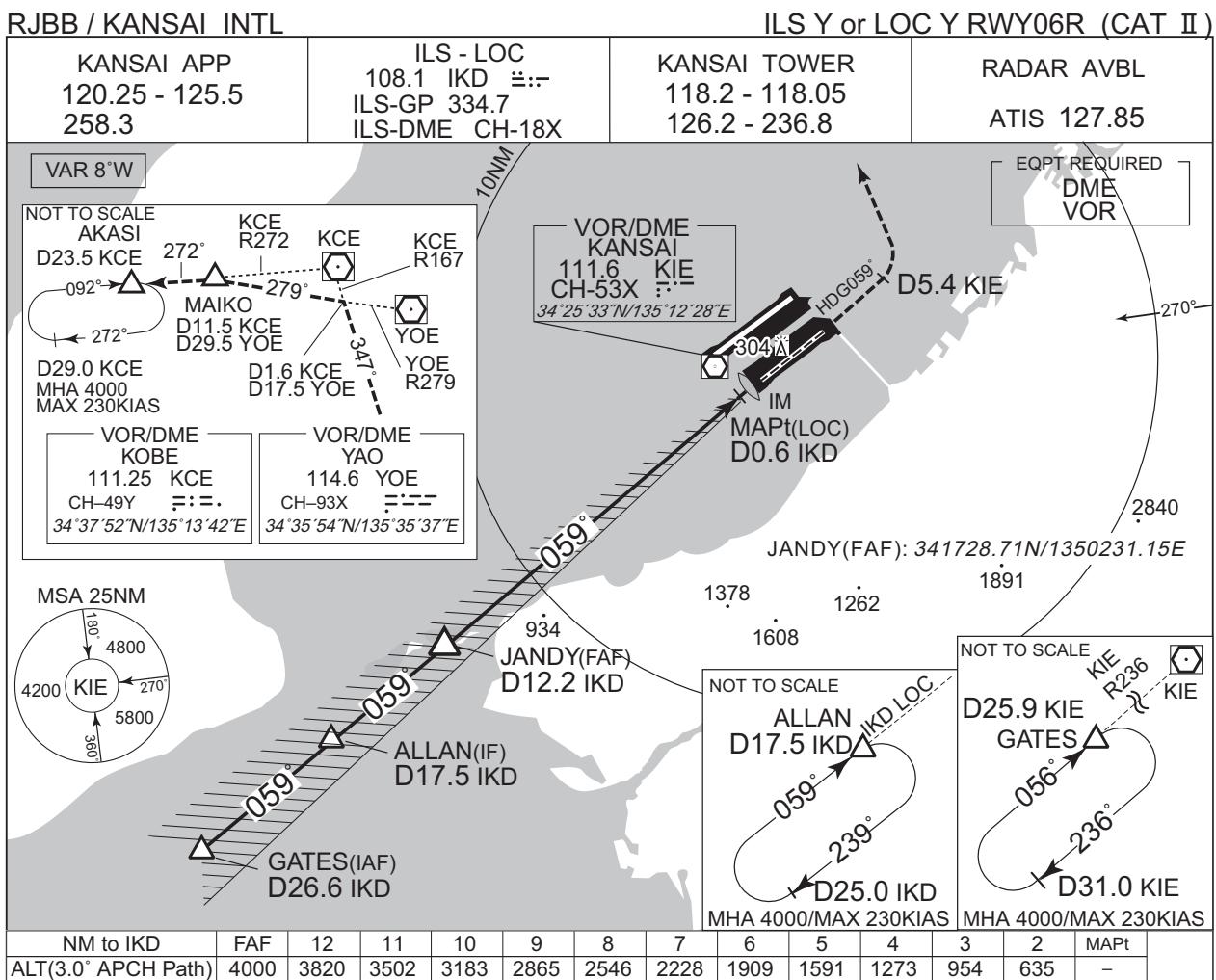
RJBB / KANSAI INTL



INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART



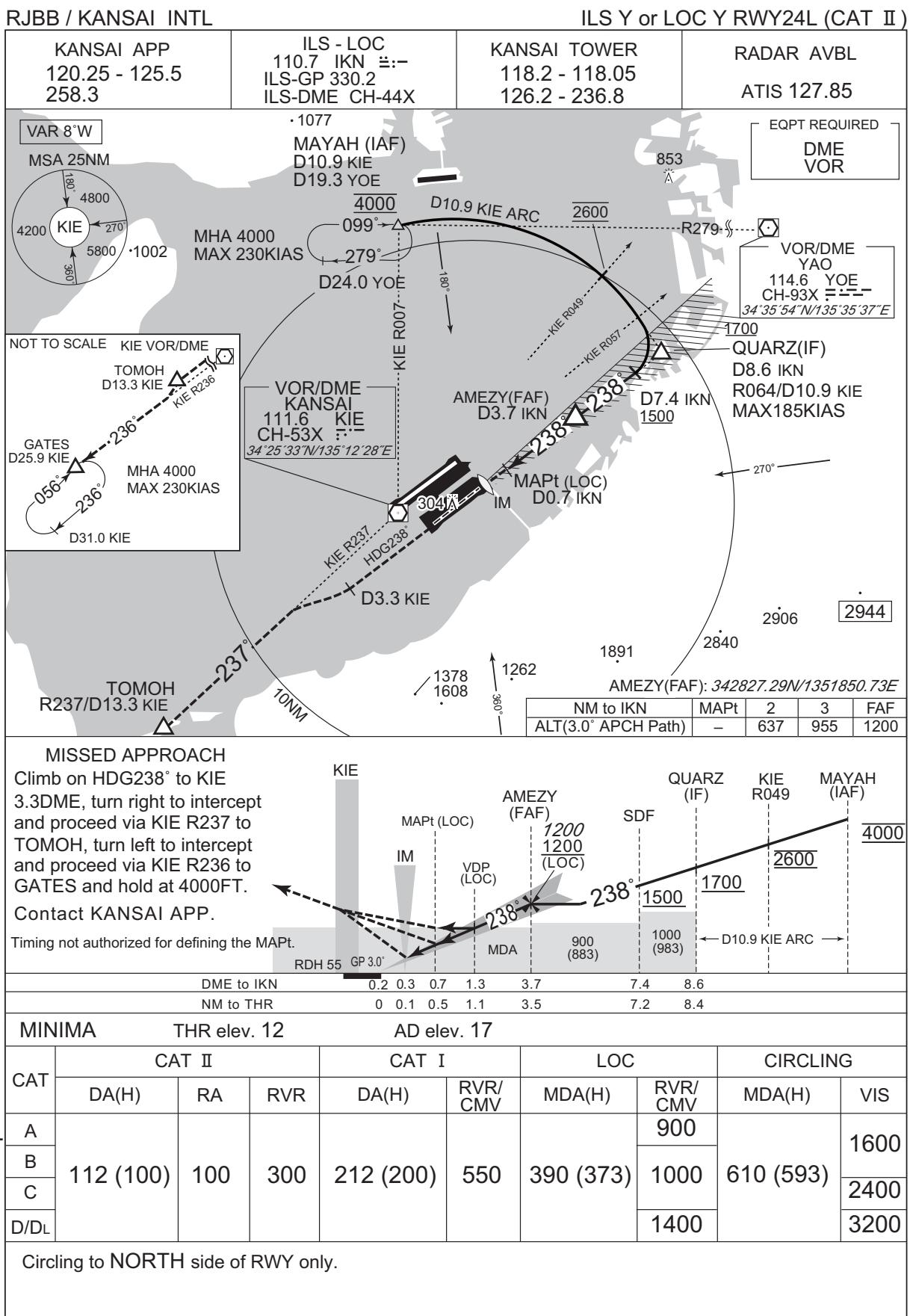
CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

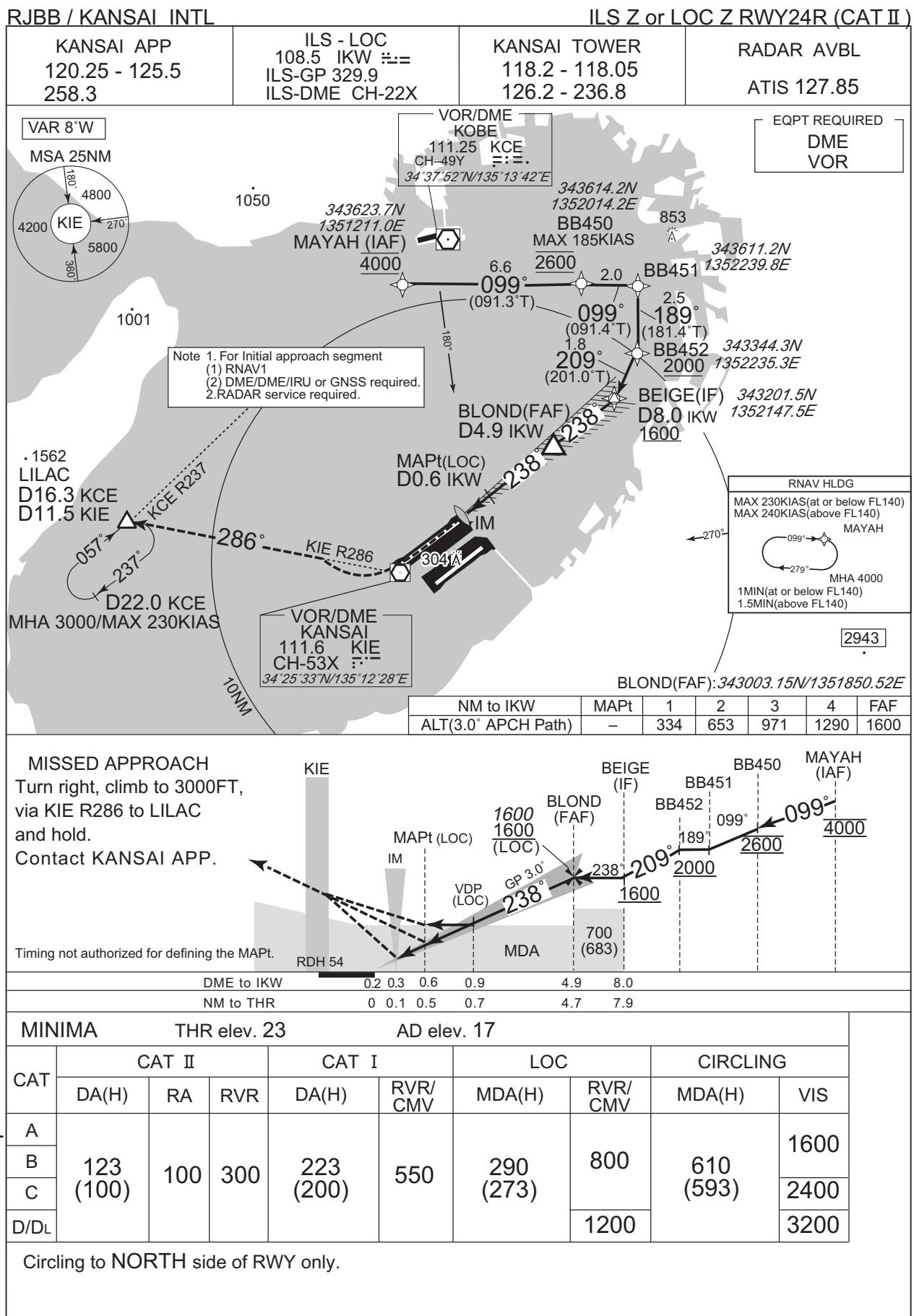


CHANGE : Description of VAR.

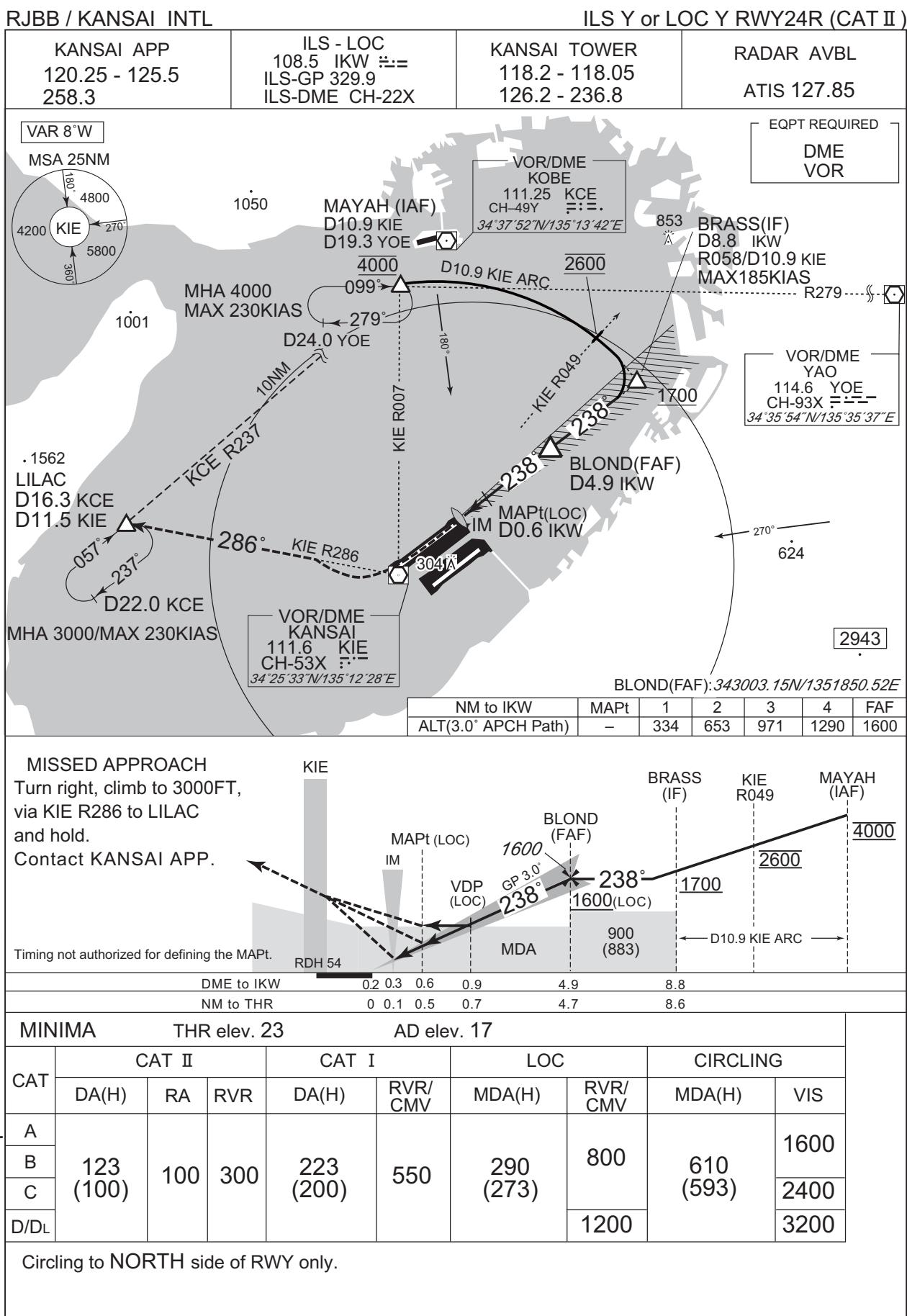
## INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



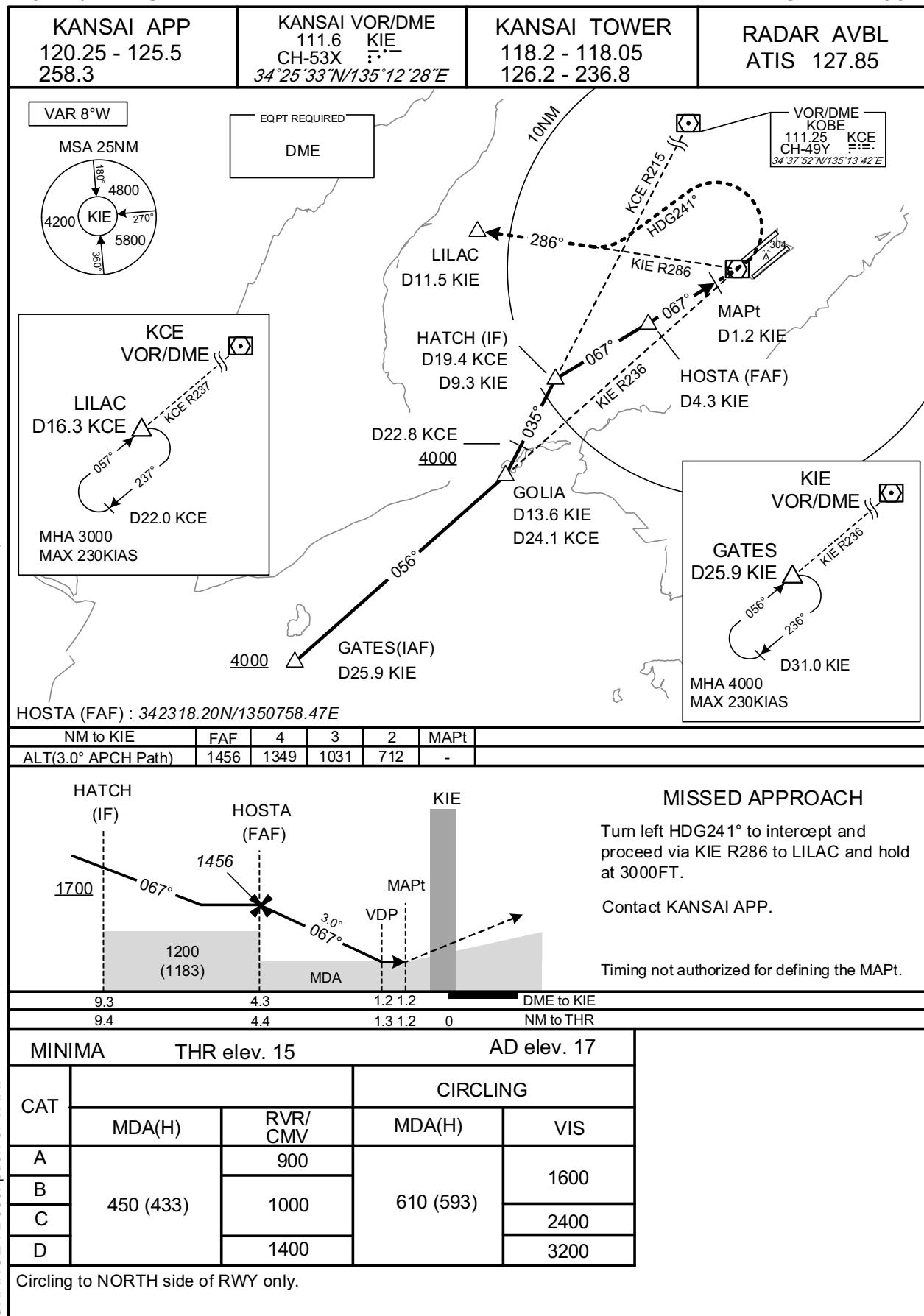
## INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

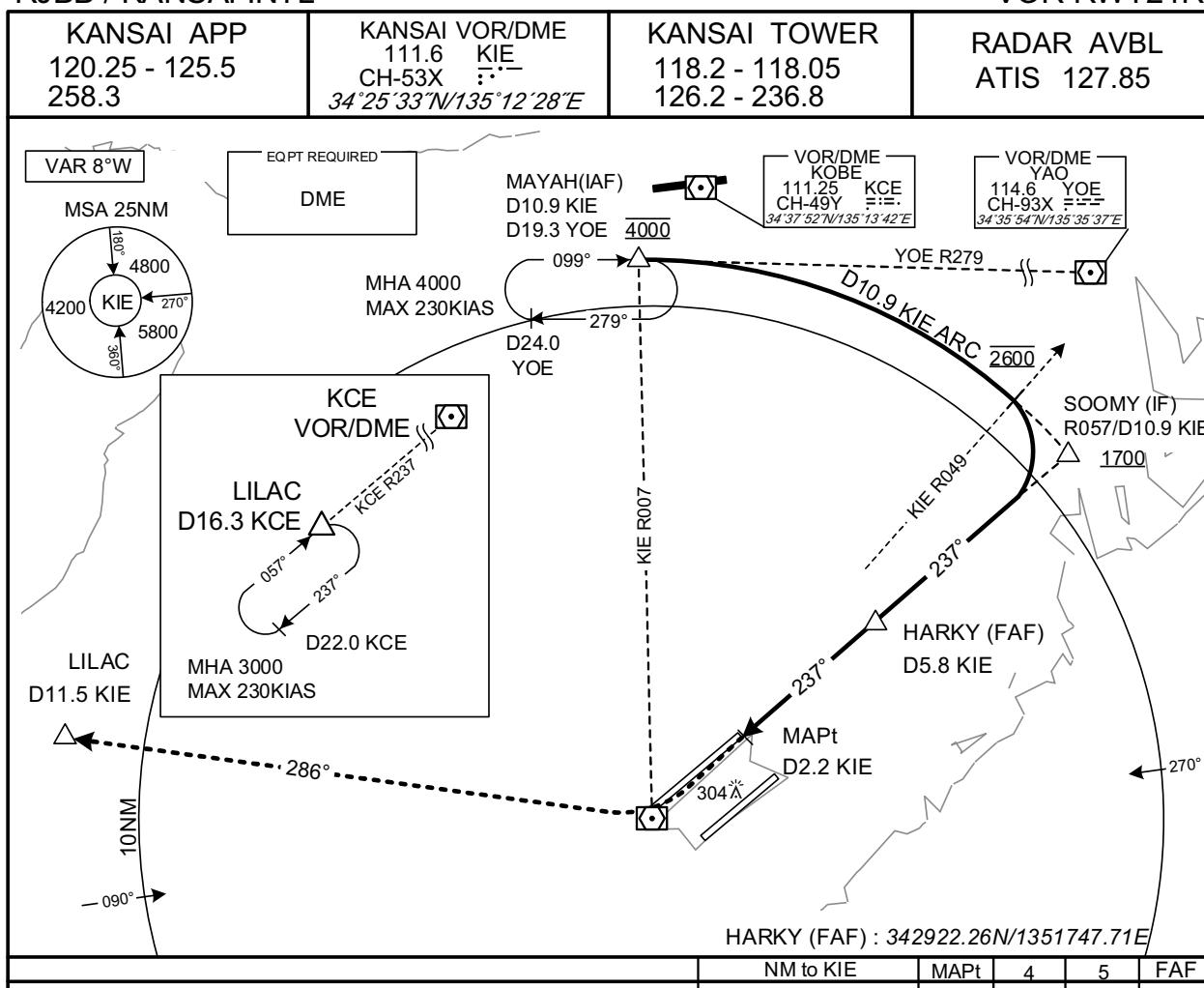
VOR RWY06L



## INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

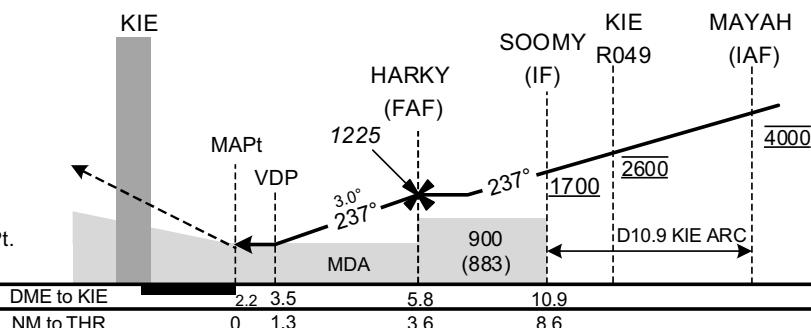
VOR RWY24R



## MISSSED APPROACH

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

Timing not authorized for defining the MAPt.

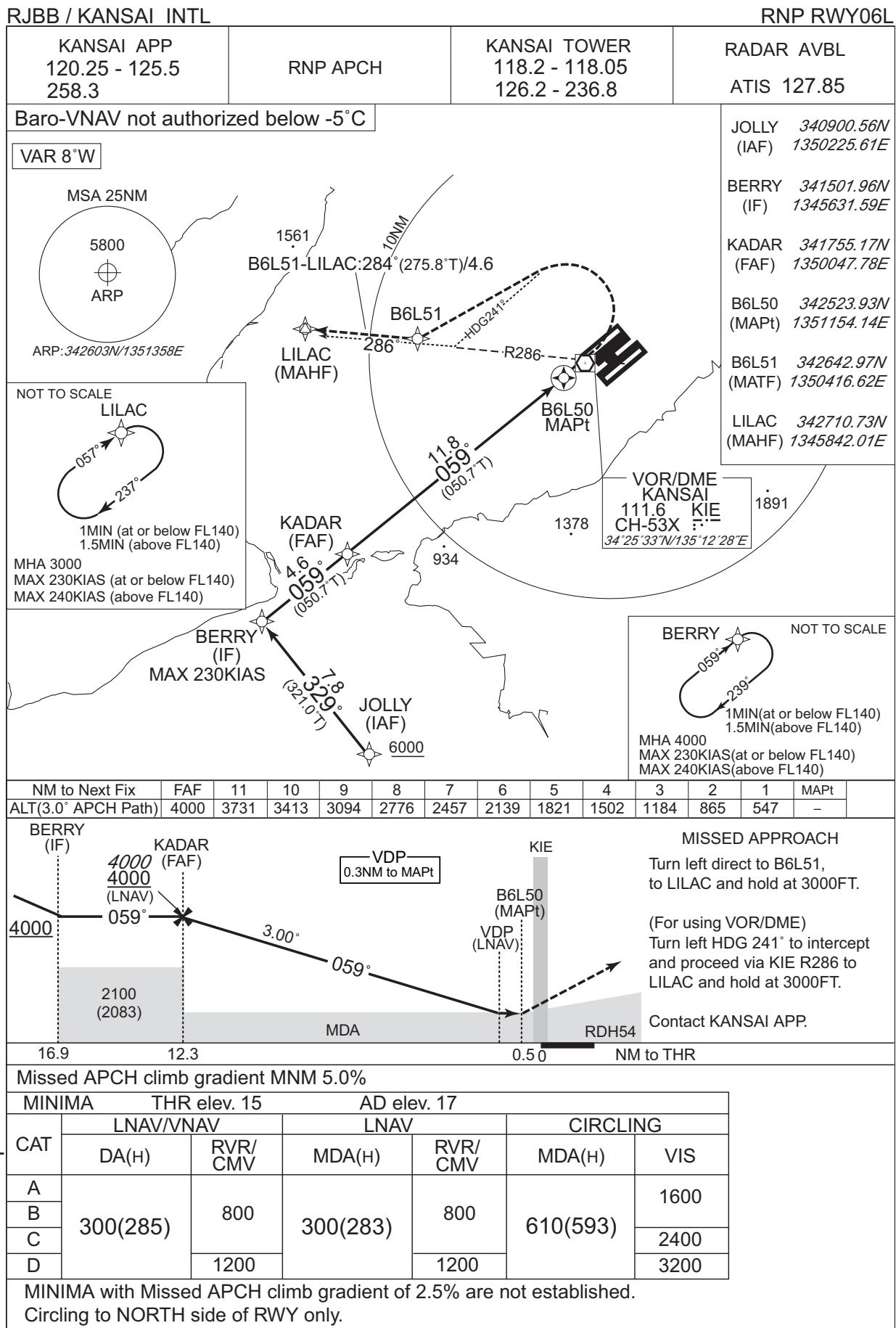


MINIMA THR elev. 23

AD elev. 17

| CAT                                 | CIRCLING  |         |           |      |
|-------------------------------------|-----------|---------|-----------|------|
|                                     | MDA(H)    | RVR/CMV | MDA(H)    | VIS  |
| A                                   |           | 1000    |           |      |
| B                                   |           |         |           | 1600 |
| C                                   | 470 (453) | 1200    | 610 (593) | 2400 |
| D                                   |           | 1600    |           | 3200 |
| Circling to NORTH side of RWY only. |           |         |           |      |

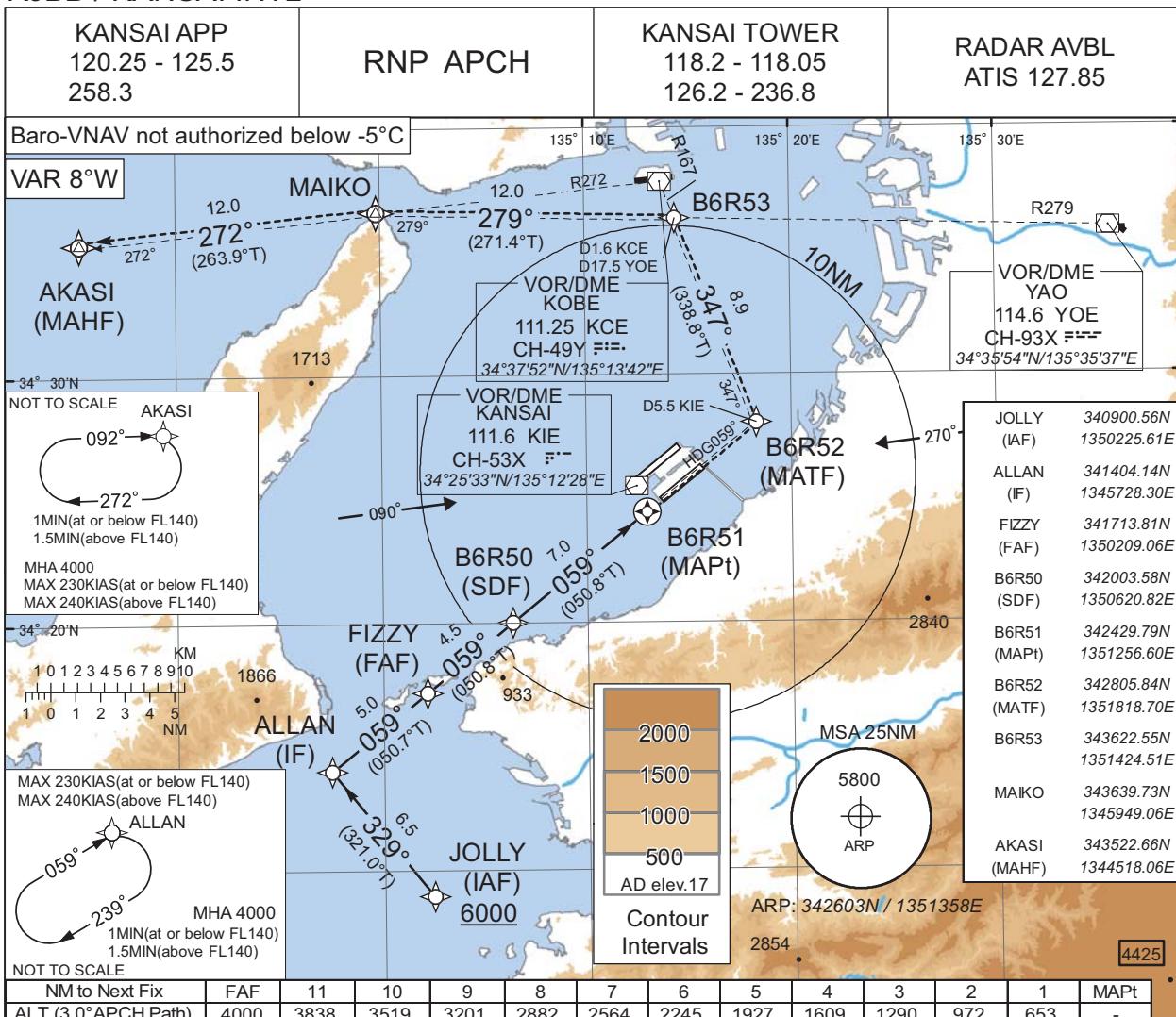
INSTRUMENT APPROACH CHART



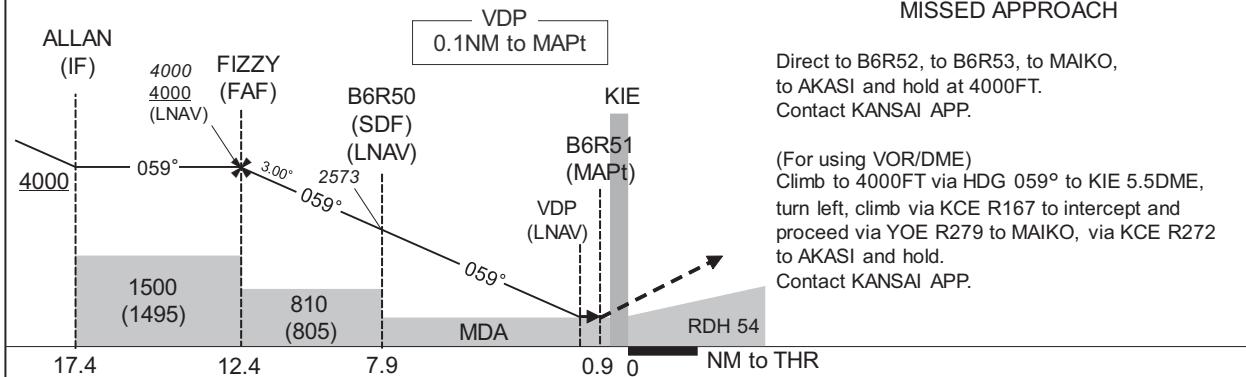
## INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

RNP RWY06R



Direct to B6R52, to B6R53, to MAIKO,  
to AKASI and hold at 4000FT.  
Contact KANSAI APP.



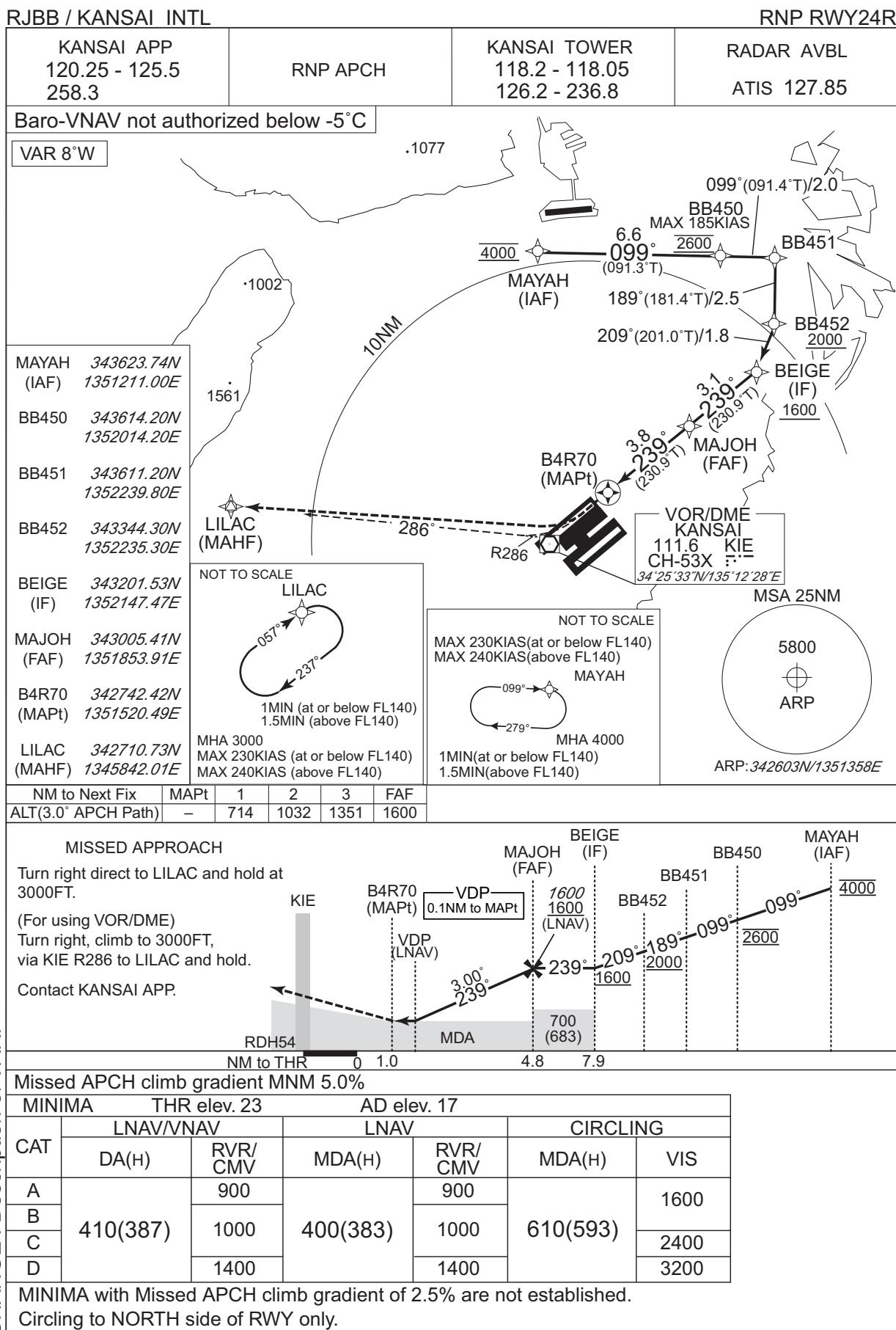
(For using VOR/DME)  
Climb to 4000FT via HDG 059° to KIE 5.5DME,  
turn left, climb via KCE R167 to intercept and  
proceed via YOE R279 to MAIKO, via KCE R272  
to AKASI and hold.  
Contact KANSAI APP.

| 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                                   |           |             |          |             |          |      |

CHANGE : Description of VAR.

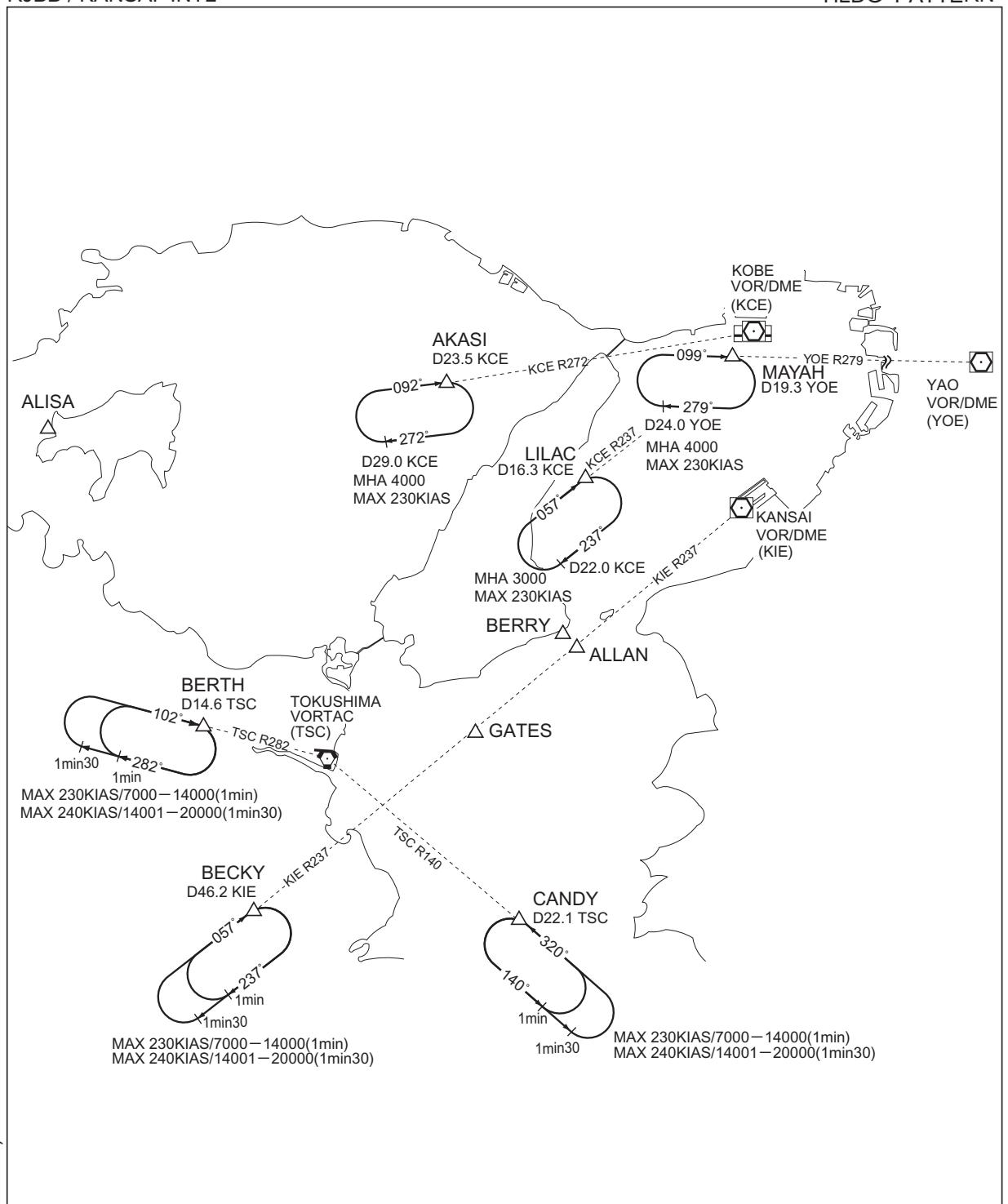


## INSTRUMENT APPROACH CHART

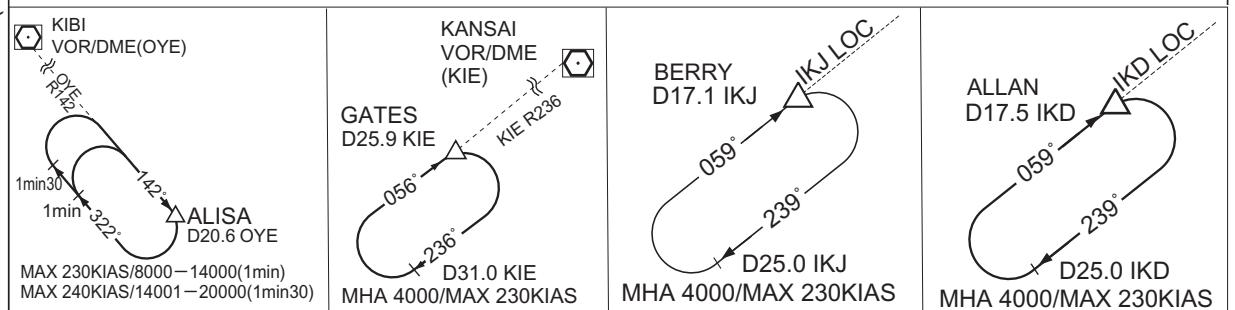


RJBB / KANSAI INTL

HLDG PATTERN



CHANGE : HLDG course(ALLAN).

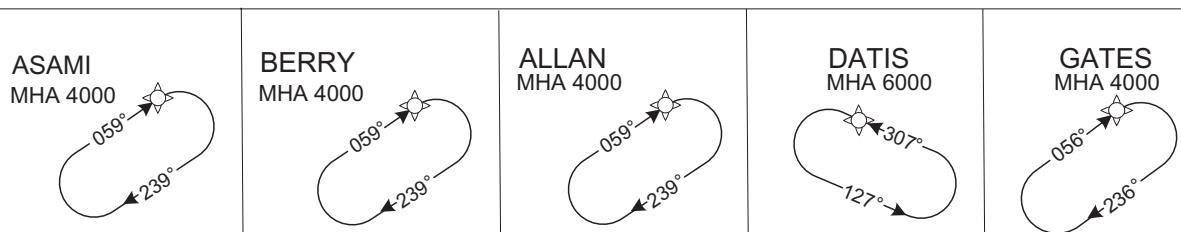


## RJBB / KANSAI INTL

## RNAV HLDG PATTERN

|  |  |       |
|--|--|-------|
| Note 1)DME/DME/IRU or GNSS required.<br>2)RADAR service required.<br>1)Outbound Time / Distance<br>2)Speed<br>→See Tabular Description.  |  | RNAV1 |
| <p>The map illustrates RNAV routes for several waypoints:</p> <ul style="list-style-type: none"> <li><b>ALISA MHA 10000:</b> Located in the northwest, with a route labeled 322°, 142°, 092°, 272°.</li> <li><b>AKASI MHA 4000:</b> Located in the north-central area, with a route labeled 092°, 279°.</li> <li><b>BERRY:</b> Located in the center, connected to other points.</li> <li><b>ALLAN:</b> Located to the east of BERRY.</li> <li><b>DATIS MHA 6000:</b> Located to the south of BERRY.</li> <li><b>GATES:</b> Located to the southeast of BERRY.</li> <li><b>ASAMI MHA 4000:</b> Located to the west of BERRY.</li> <li><b>BERTH MHA 8000:</b> Located to the southwest of BERRY.</li> <li><b>LILAC MHA 3000:</b> Located to the northeast of BERRY.</li> <li><b>MAYAH MHA 4000:</b> Located in the northeast, with a route labeled 099°, 279°.</li> <li><b>ISPUM MHA 8000:</b> Located in the east-central area, with a route labeled 102°, 282°.</li> <li><b>DANDE MHA 8000:</b> Located in the far east, with a route labeled 270°, 090°.</li> <li><b>BECKY MHA 8000:</b> Located in the west-central area, with a route labeled 058°, 238°.</li> <li><b>CANDY MHA 9000:</b> Located in the south-central area, with a route labeled 322°, 142°.</li> </ul> |  |       |

CHANGE : MHA at AKASI.



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)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ALISA               | 142 (134.0)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 10000                 | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ALLAN               | 059 (050.8)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | BECKY               | 058 (050.2)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | BERRY               | 059 (050.8)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | BERTH               | 103 (095.4)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CANDY               | 322 (313.8)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | DANDE               | 270 (262.6)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | DATIS               | 307 (298.6)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | GATES               | 056 (048.2)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -210(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ISPUM               | 282 (274.2)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057 (049.2)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | MAYAH               | 099 (091.3)           | -8.0               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

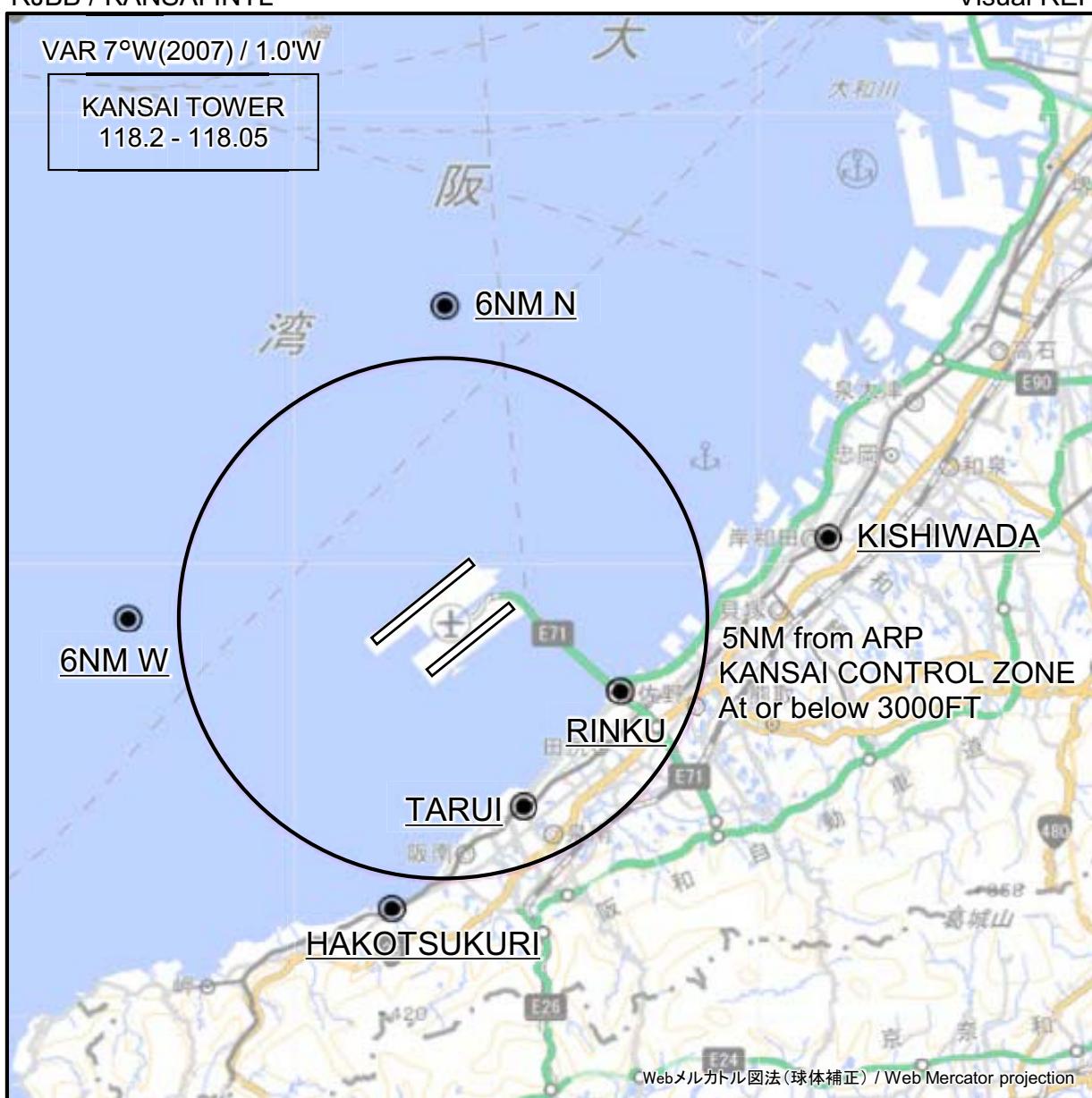
Waypoint Coordinates

| 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 : Map updated. BRG/DIST from ARP. Remarks(Rinku).

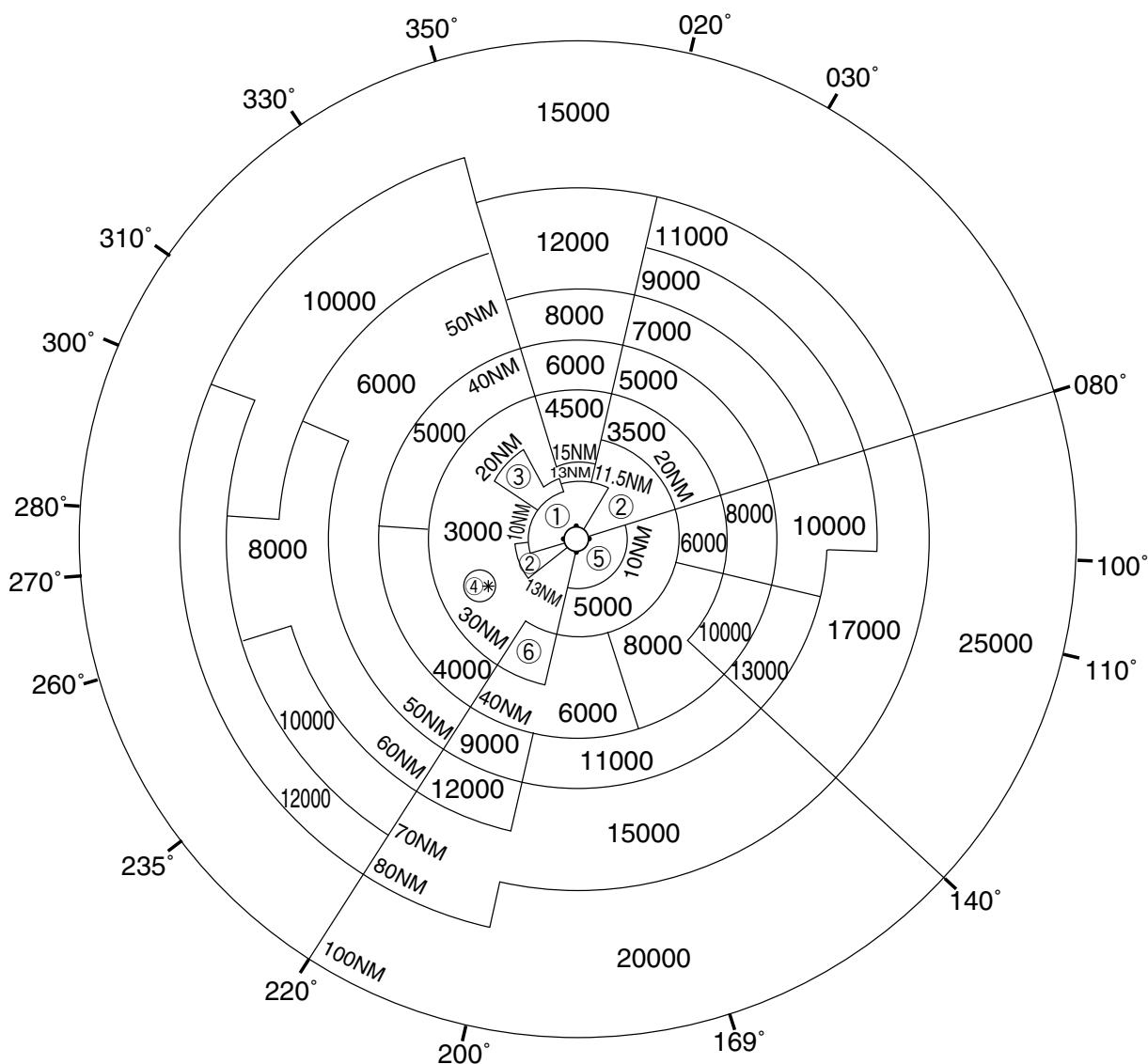
| Call sign         | BRG / DIST from ARP | Remarks              |
|-------------------|---------------------|----------------------|
| 6NM N             | 360°T / 6.0NM       | 海上<br>Over the sea   |
| 岸和田<br>Kishiwada  | 078°T / 7.4NM       | 南海本線・岸和田駅<br>Station |
| 6NM W             | 270°T / 6.0NM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



RJBB / KANSAI INTL

Minimum Vectoring Altitude CHART

VAR 7°W (2009)



- 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