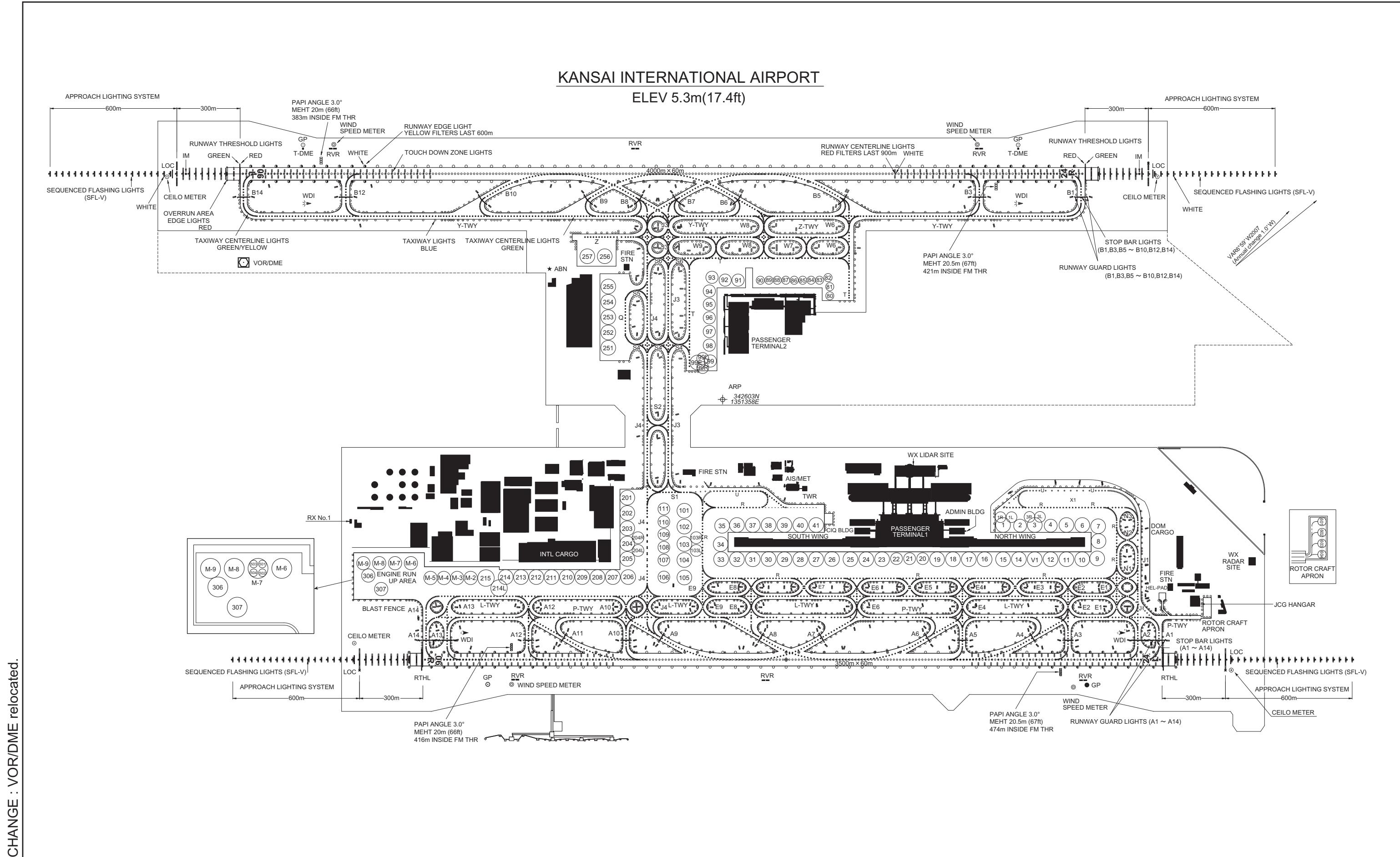


AERODROME CHART

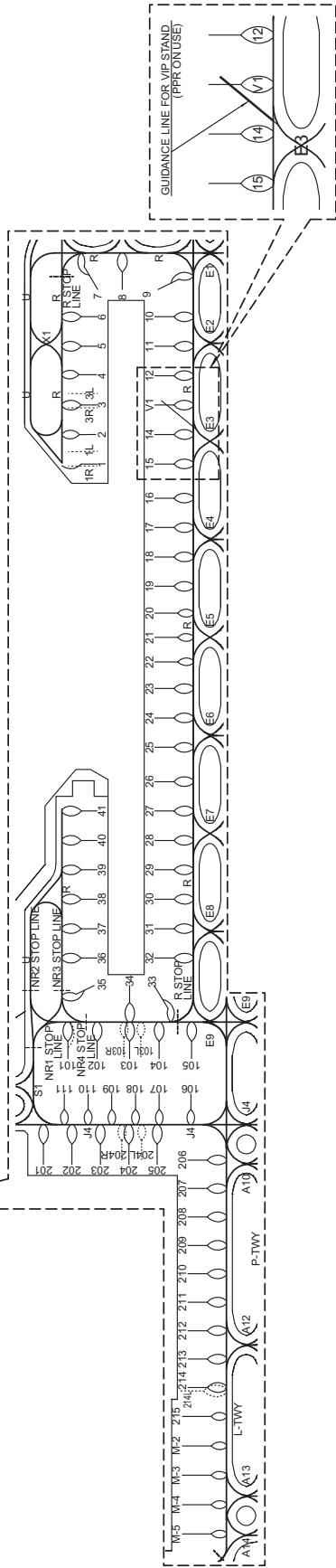
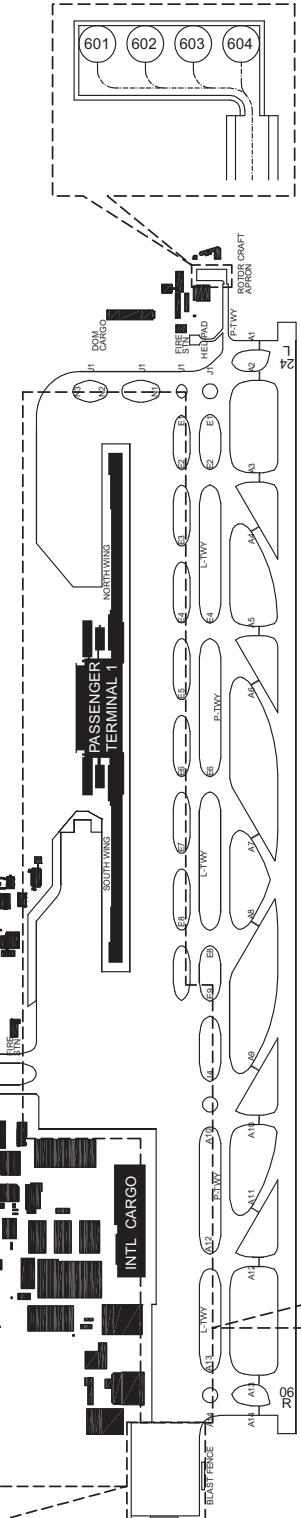
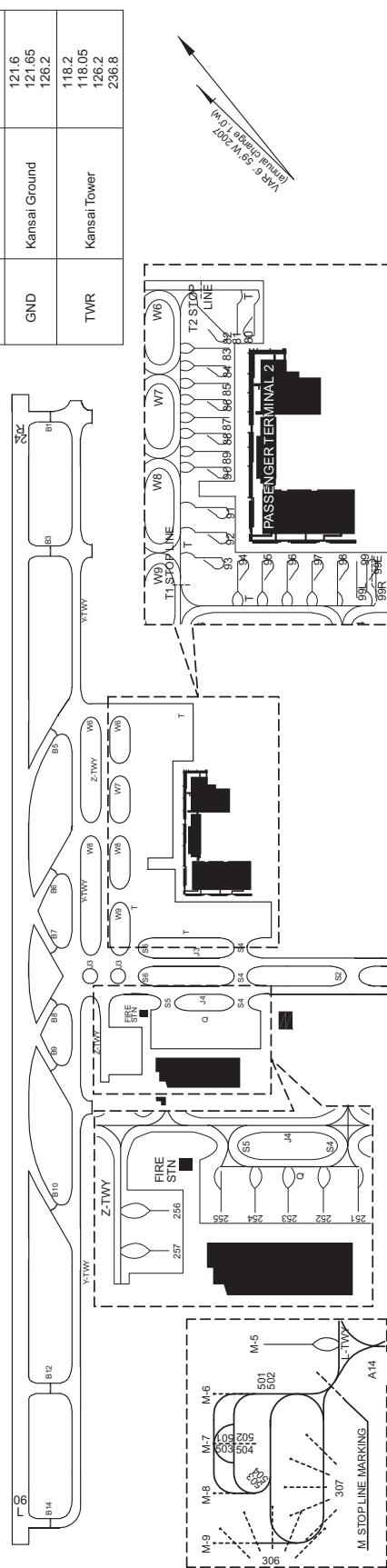


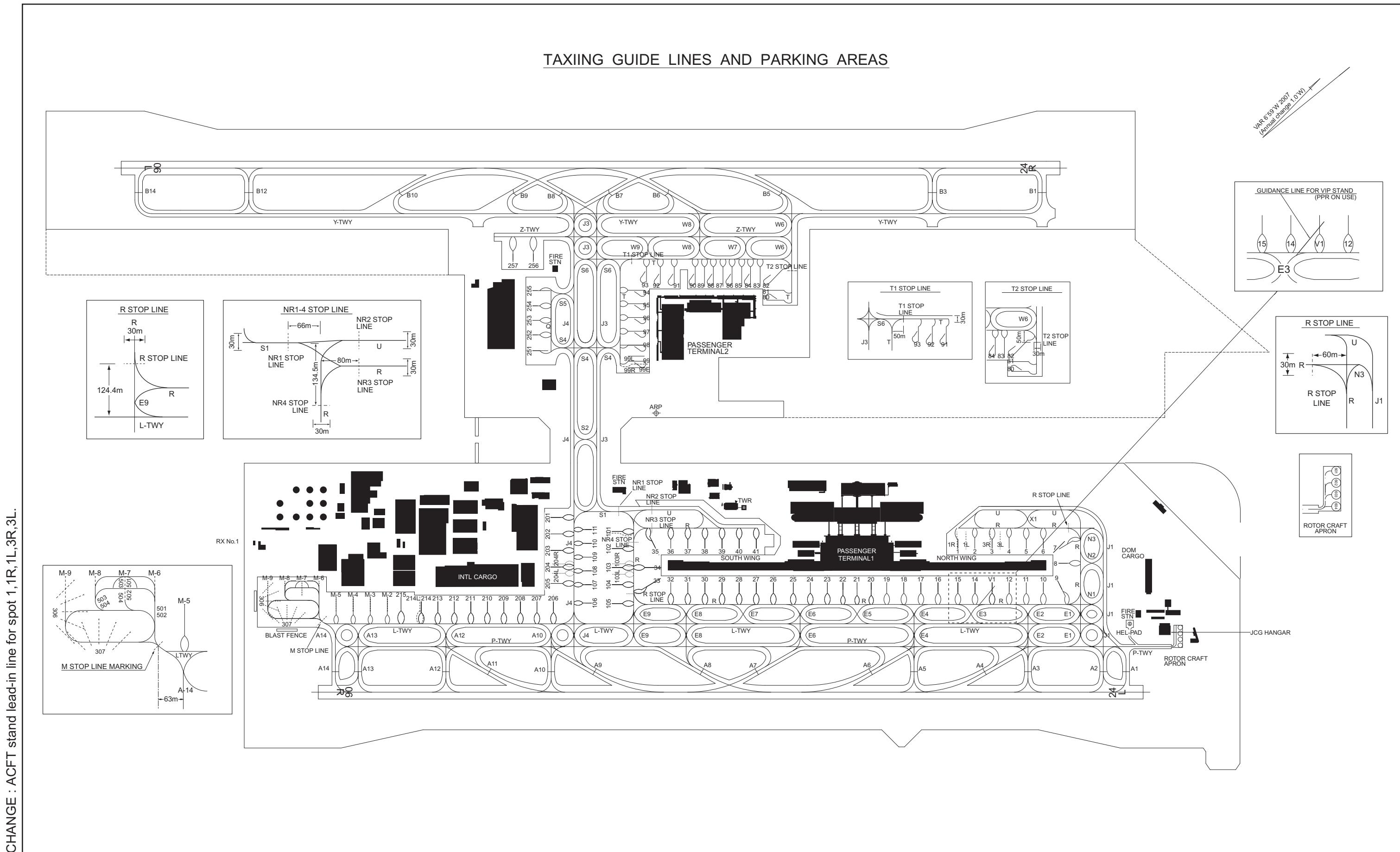
RJBB / KANSAI INTL

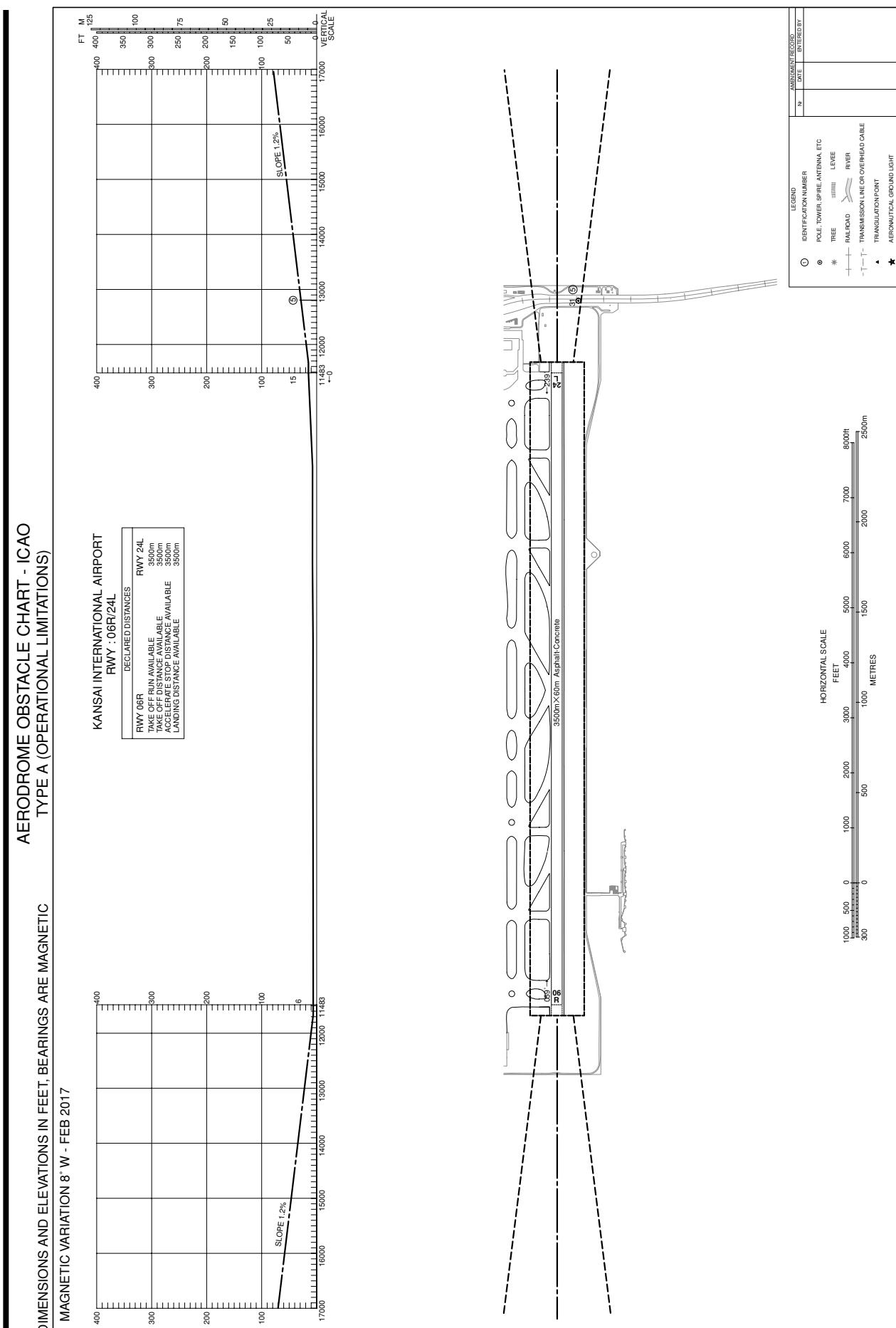
## AD CHART

| Designation | Call Sign           | Frequency (MHz)                   |
|-------------|---------------------|-----------------------------------|
| ATTIS       | Kansai INTL Airport | 127.85                            |
| DLVRY       | Kansai Delivery     | 121.9                             |
| GND         | Kansai Ground       | 121.6                             |
| TWR         | Kansai Tower        | 118.2<br>118.05<br>126.2<br>236.8 |

CHANGE : ACFT stand lead-in line for spot 1,1R,1L,3R,3L.

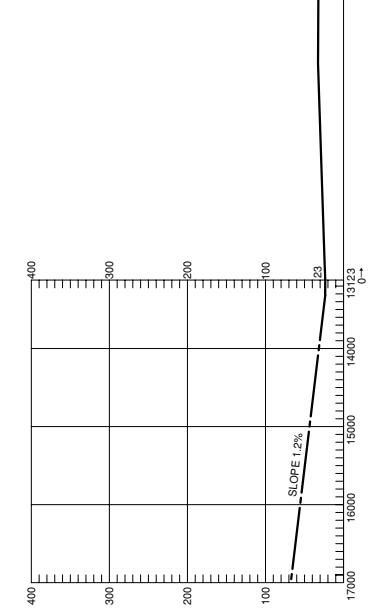




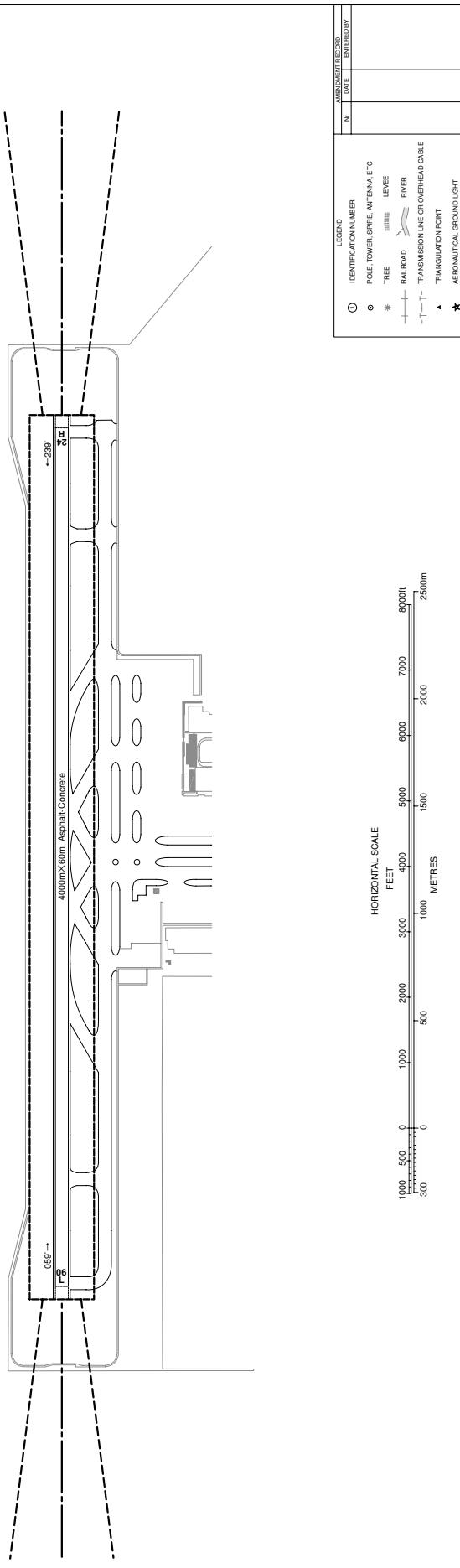
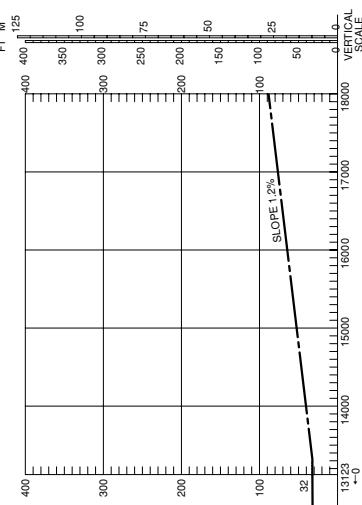


DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC

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



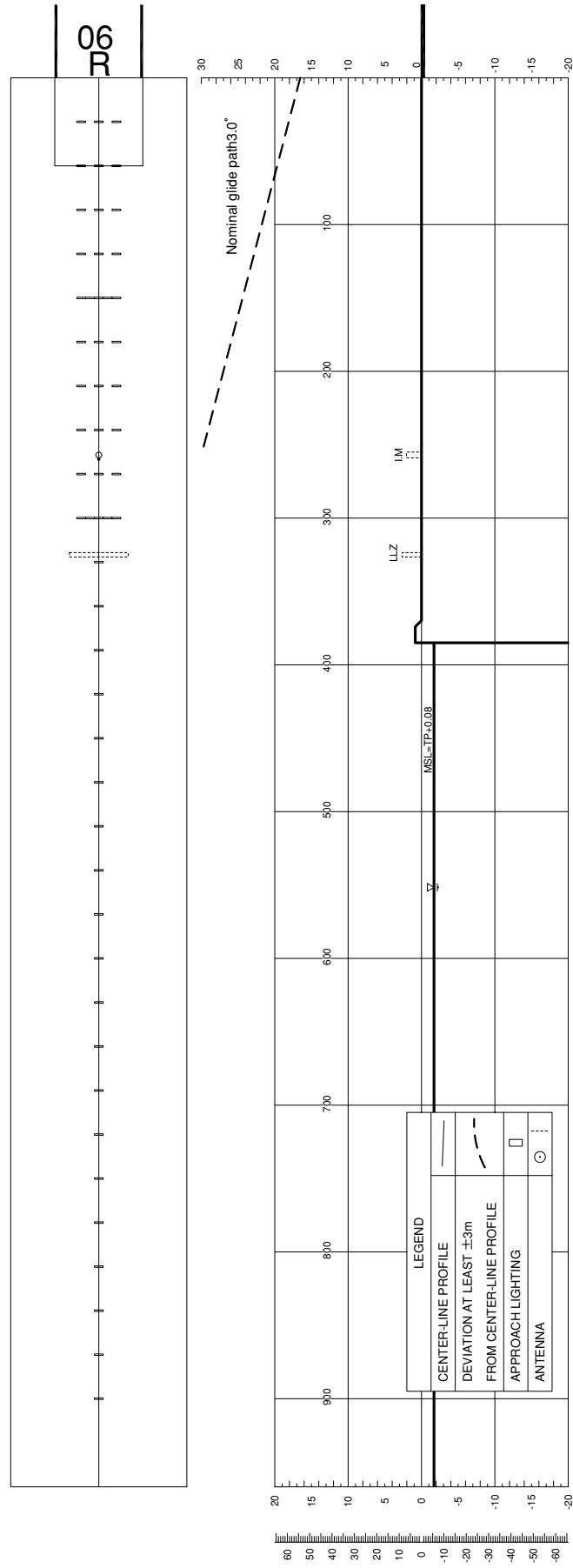
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETICS

## AERODROME OBSTRUCTION CHART TYPE B



PRECISION APPROACH TERRAIN PROFILE CHART

DISTANCES AND HEIGHTS IN METERS  
**RWY 06R**

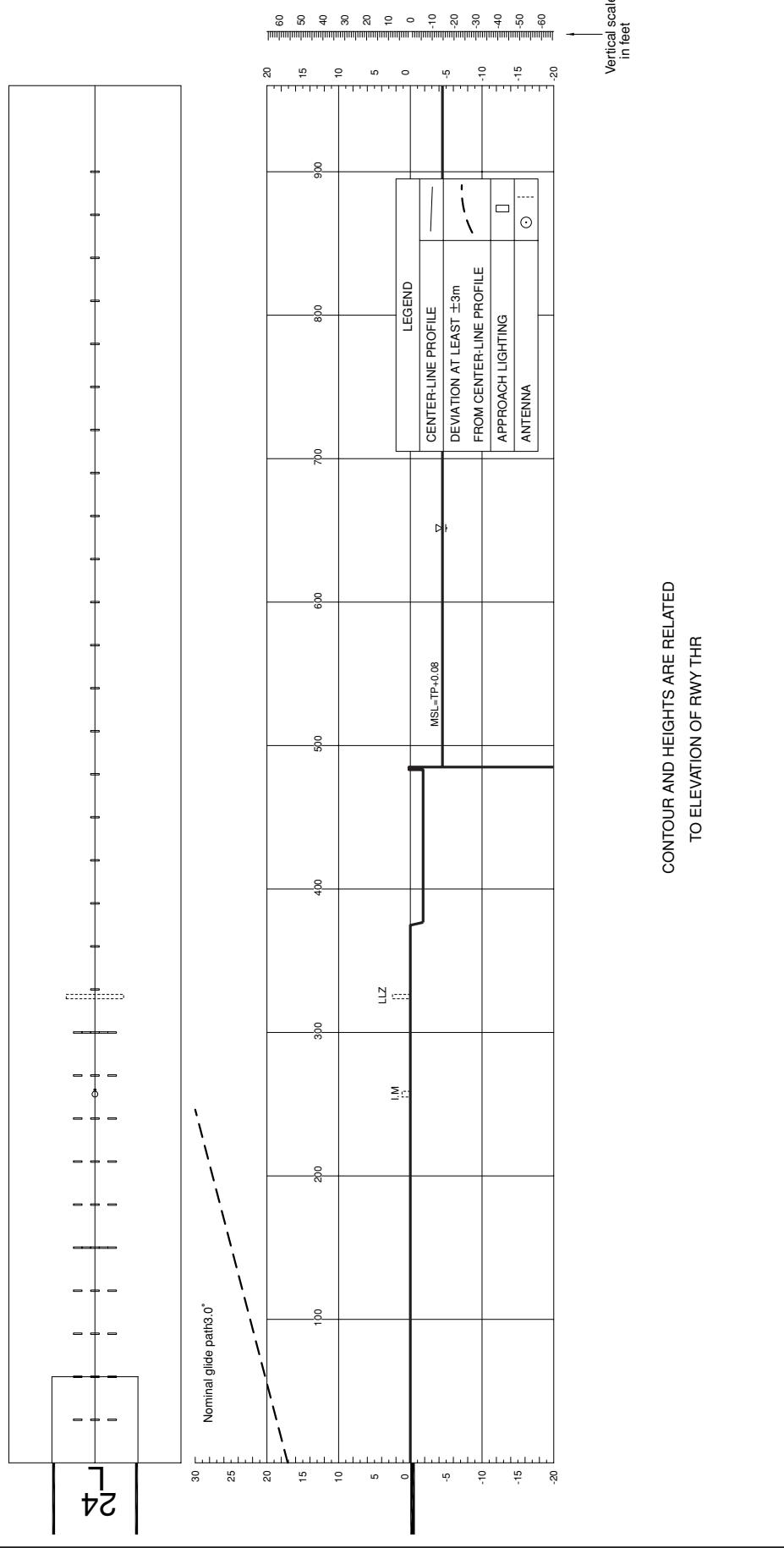


CONTOUR AND HEIGHTS ARE RELATED  
TO ELEVATION OF RWY THR

**RWY 24L**

DISTANCES AND HEIGHTS IN METERS

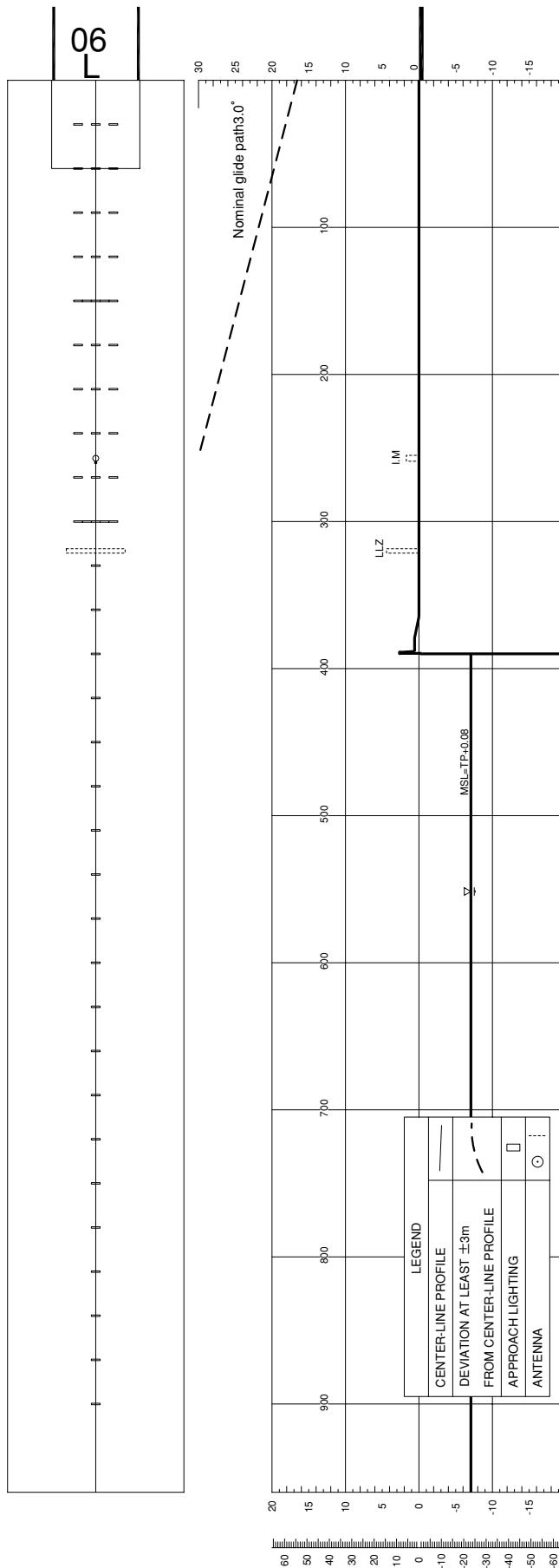
PRECISION APPROACH TERRAIN PROFILE CHART



**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,...

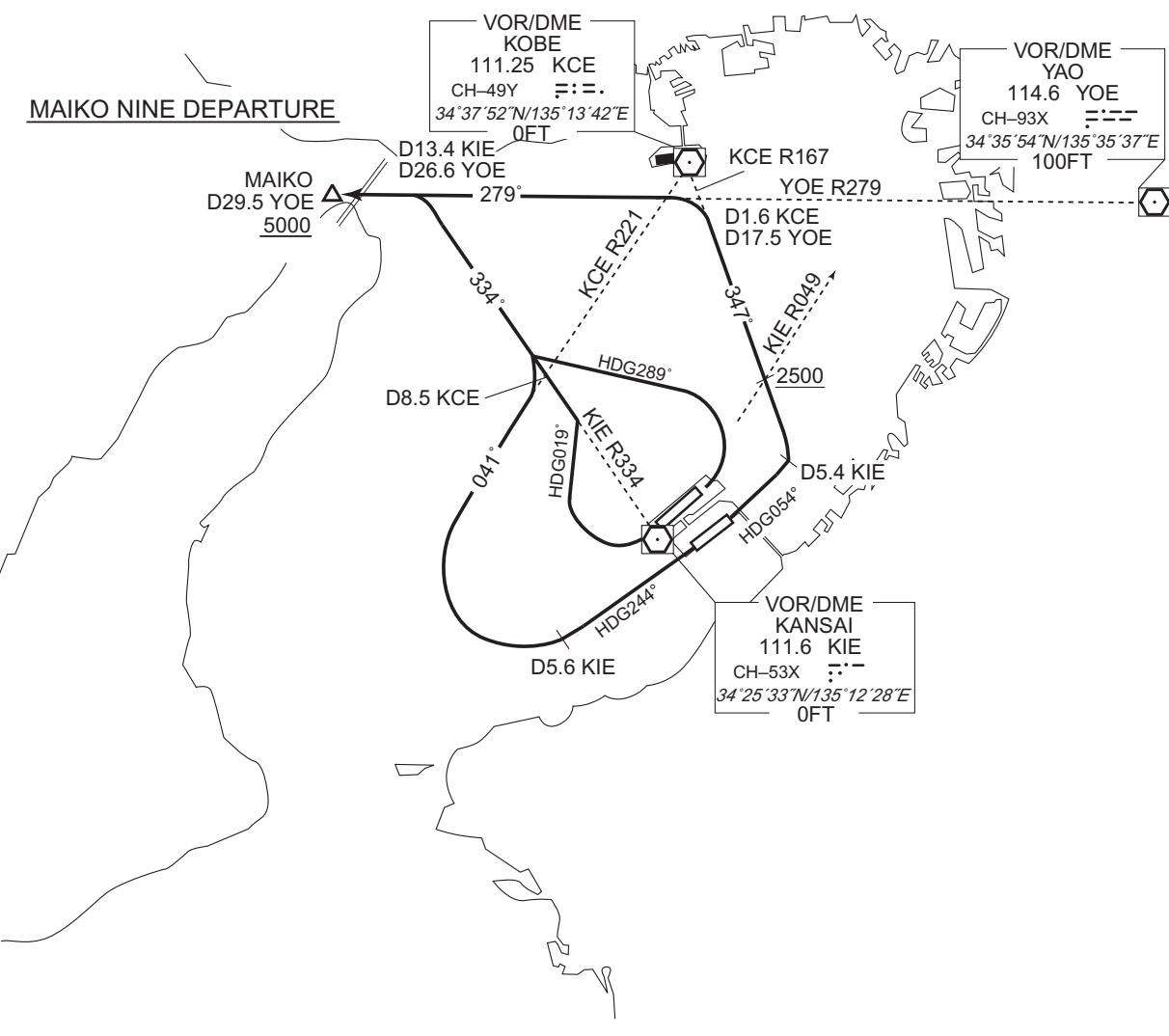
RWY06L : Turn left, climb on HDG289° to intercept and proceed via KIE R334, via YOE R279 to MAIKO,...

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 : PROC. KANSAI VOR/DME relocated(KNE→KIE).



## STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

SID

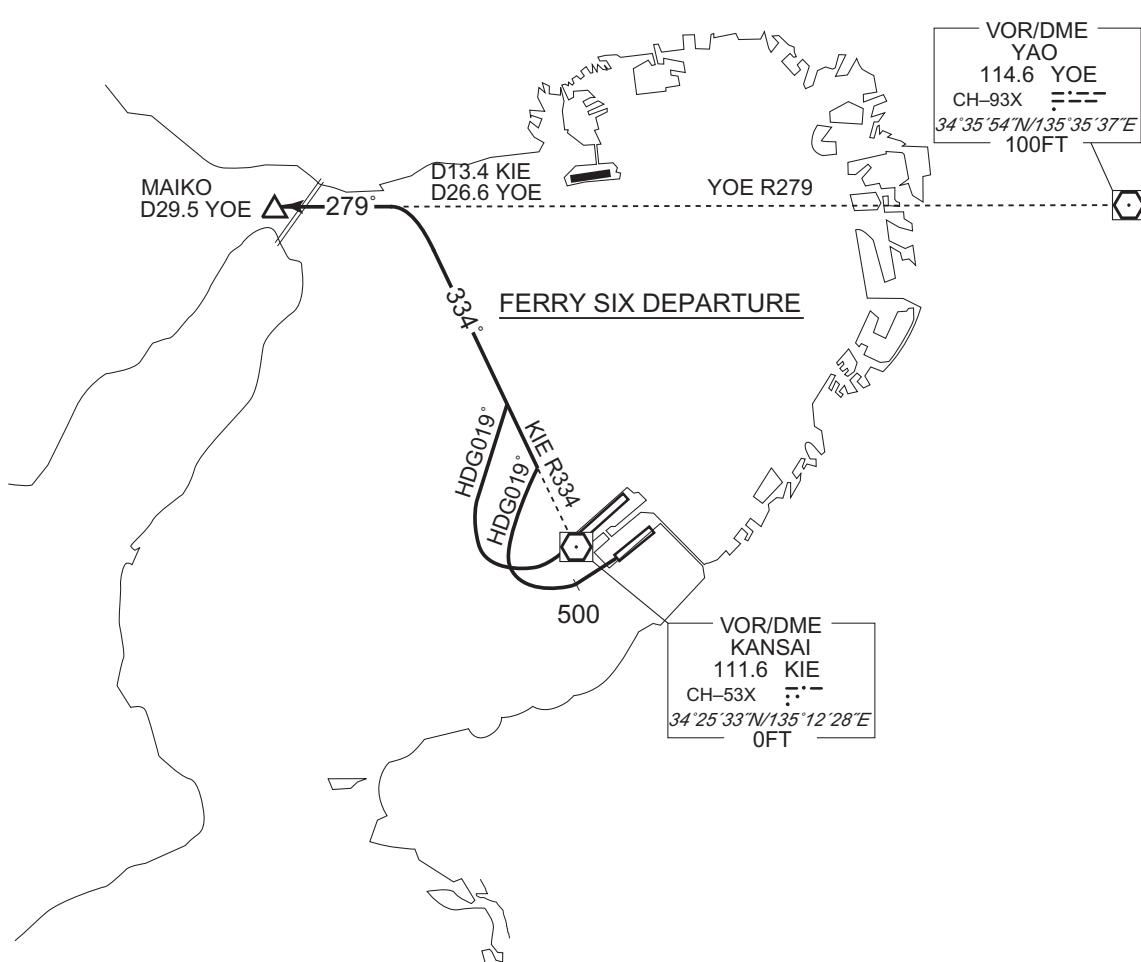
FERRY SIX DEPARTURE

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

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

Note RWY24L : No turn before DER.

CHANGE : PROC. KANSAI VOR/DME renamed. PROC. KANSAI VOR/DME relocated(KNE→KIE). YOE added.



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.

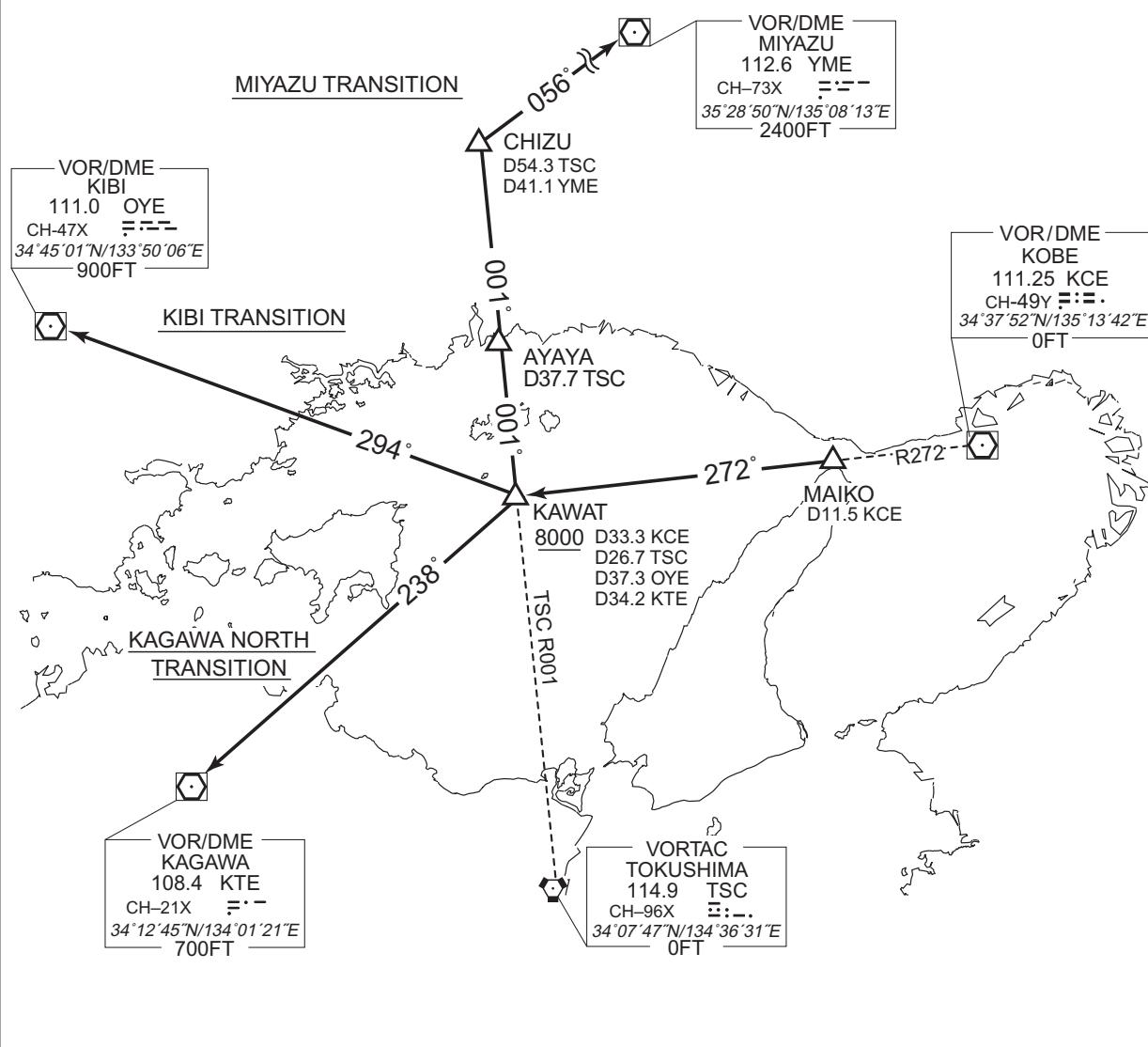
KIBI TRANSITION

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

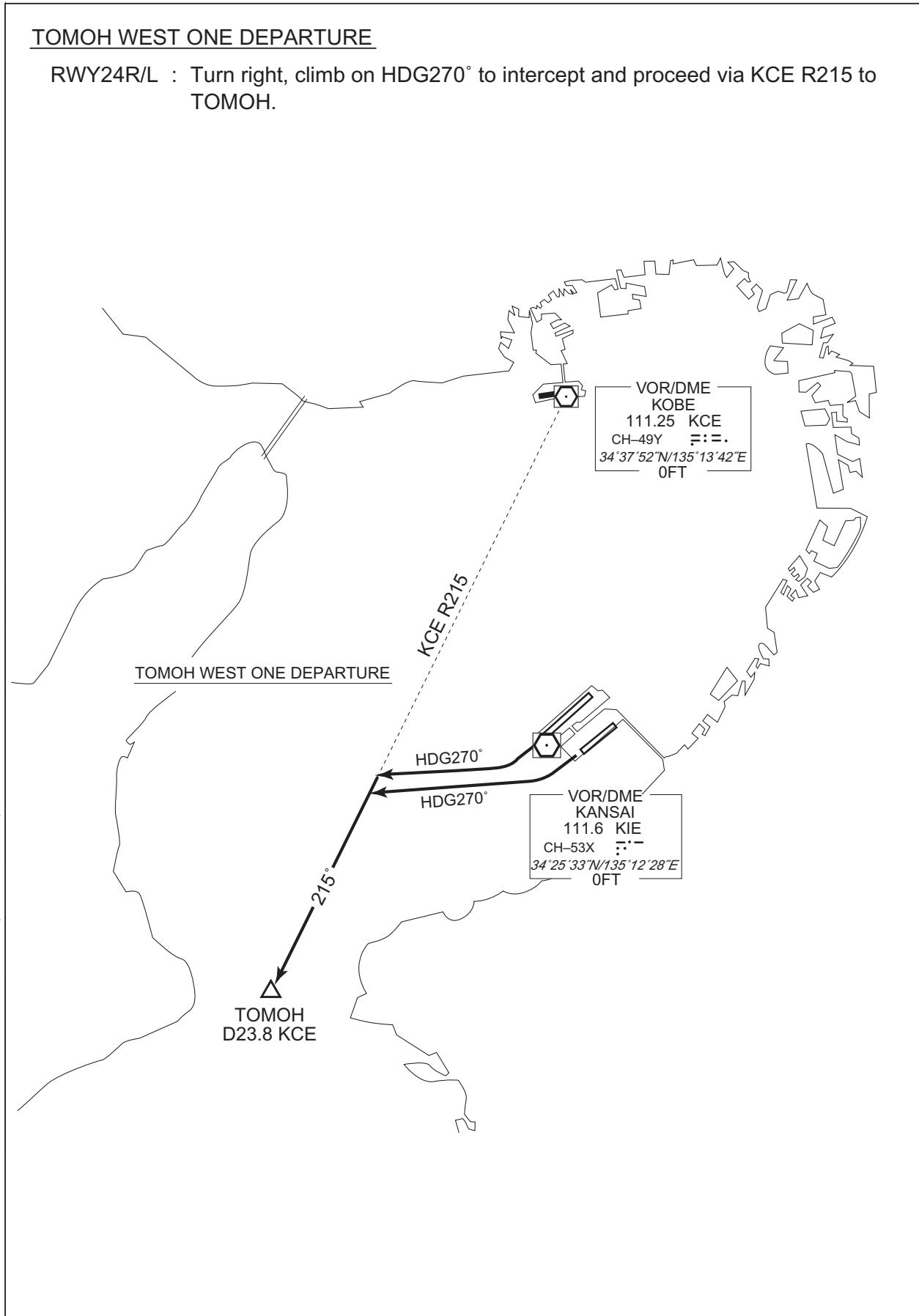
RJBB / KANSAI INTL

SID

TOMOH WEST ONE DEPARTURE

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

CHANGE : KANSAI VOR/DME relocated(KNE→KIE).



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 : PROC renamed. PROC(RWY06R, RWY24L). KANSAI VOR/DME relocated(KNE→KIE).



## 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.

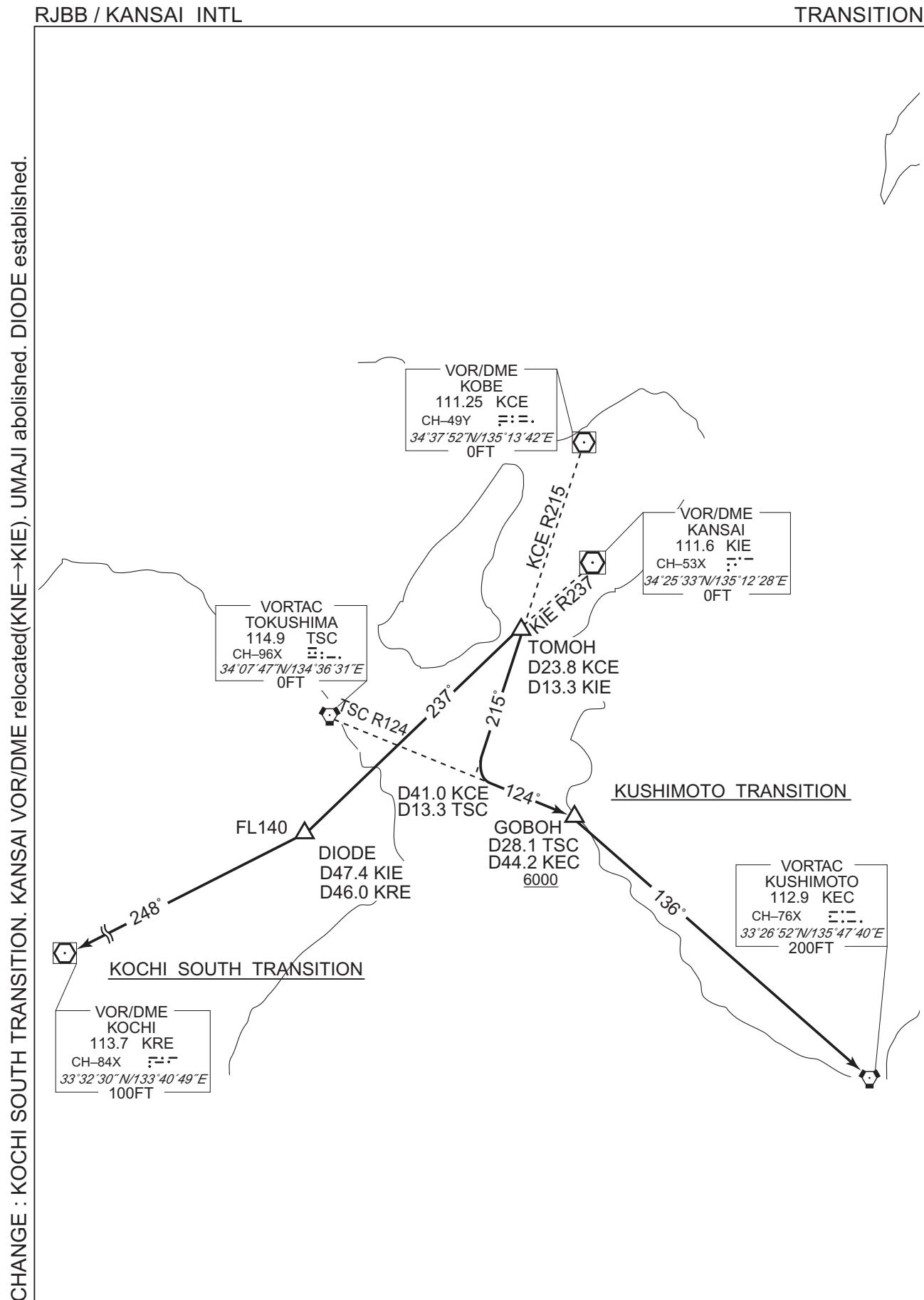
CHANGE : KOCHI SOUTH TRANSITION. KANSAI VOR/DME updated(KNE→KIE).

KUSHIMOTO TRANSITION

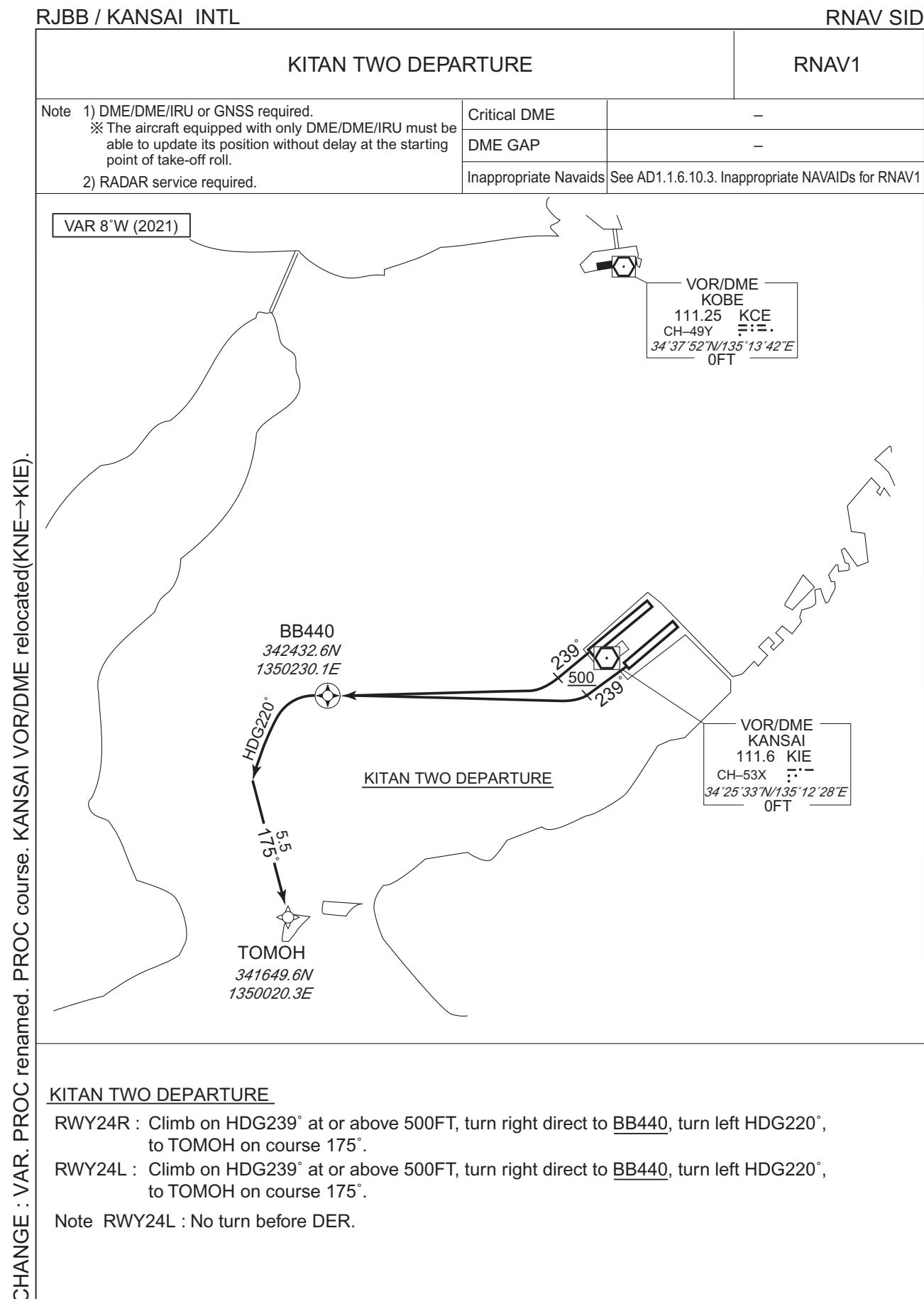
From over TOMOH, proceed via KCE R215 to intercept and proceed via TSC R124 to GOBOH, via KEC R316 to KEC VORTAC.

Cross GOBOH at or above 6000FT.

STANDARD DEPARTURE CHART-INSTRUMENT



## STANDARD DEPARTURE CHART - INSTRUMENT



STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

KITAN TWO DEPARTURE

RWY24R

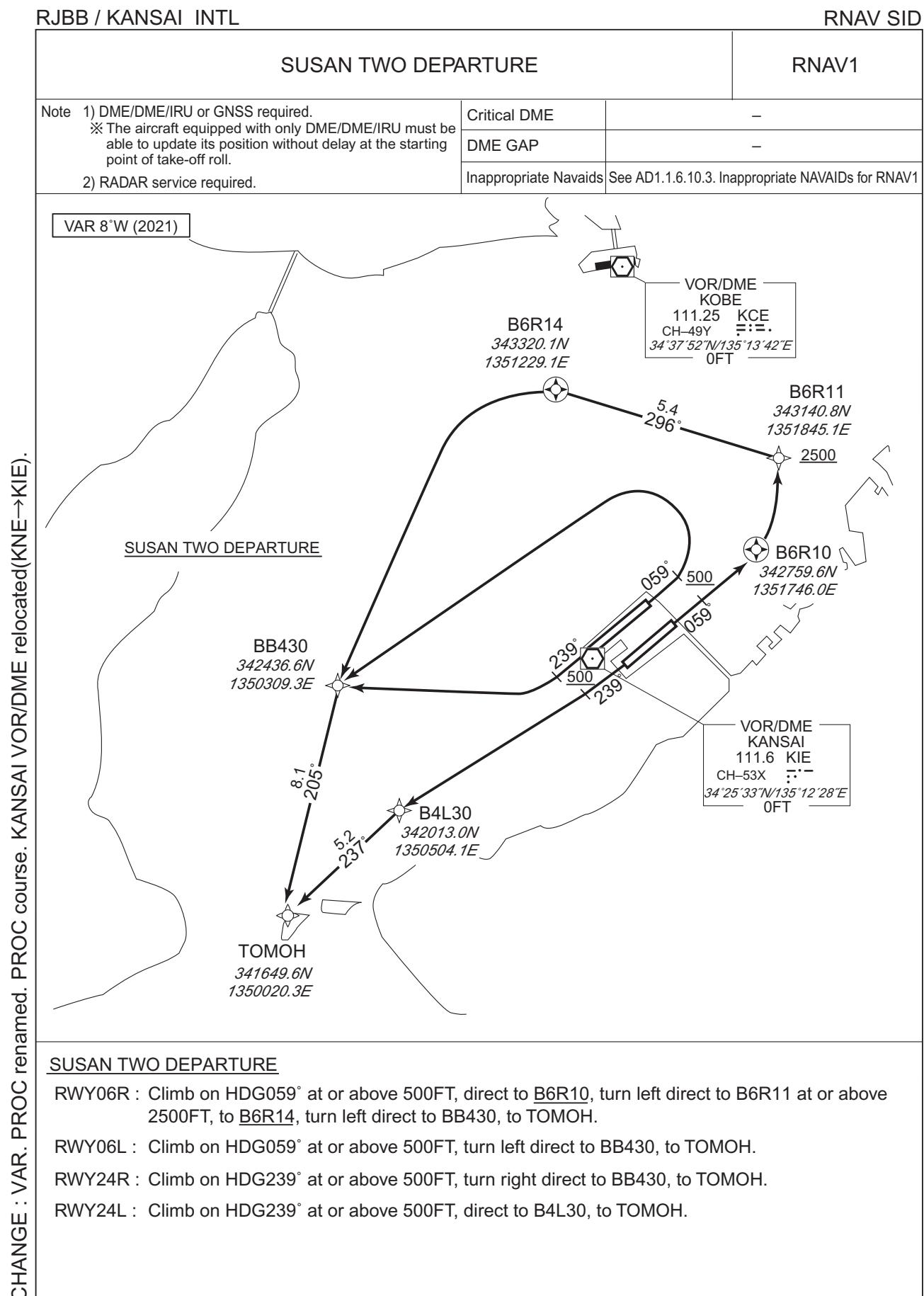
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|------------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

RWY24L

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

CHANGE : VAR. PROC renamed. PROC course.

## STANDARD DEPARTURE CHART - INSTRUMENT



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

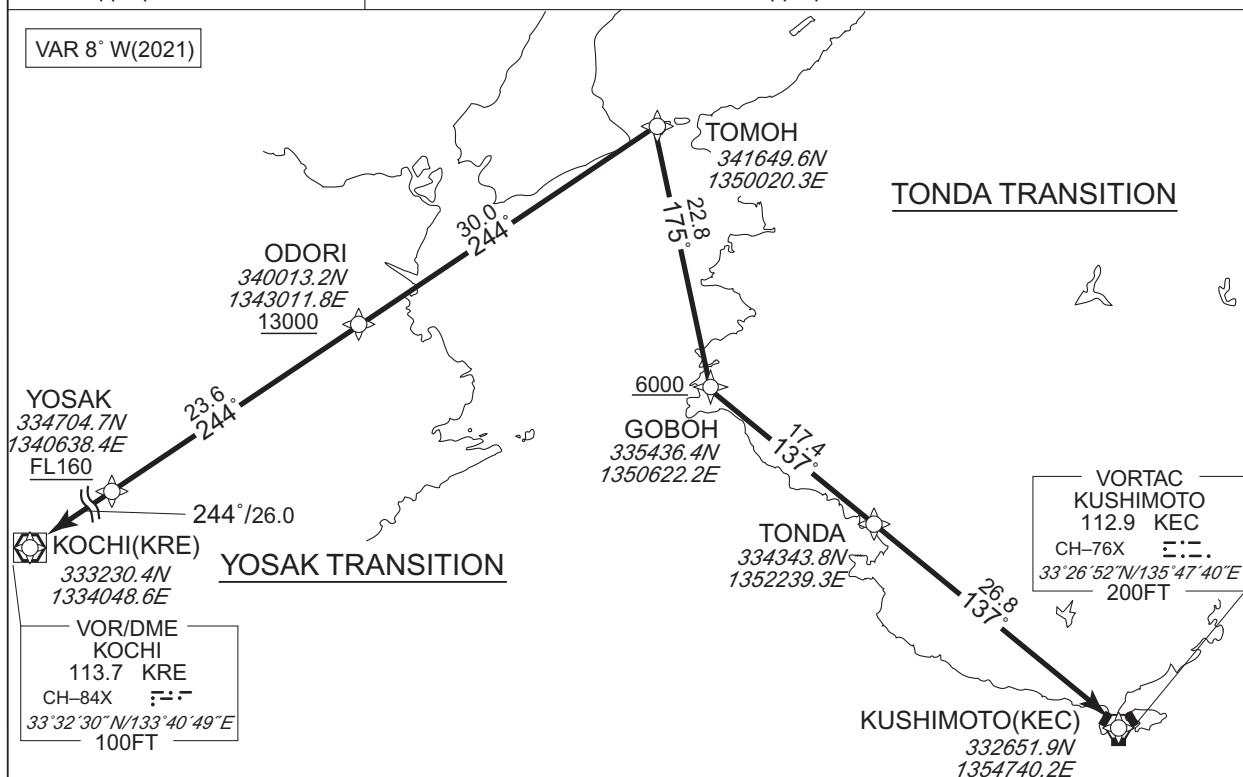
RNAV1

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(2021)

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 : VAR. Critical DME.

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

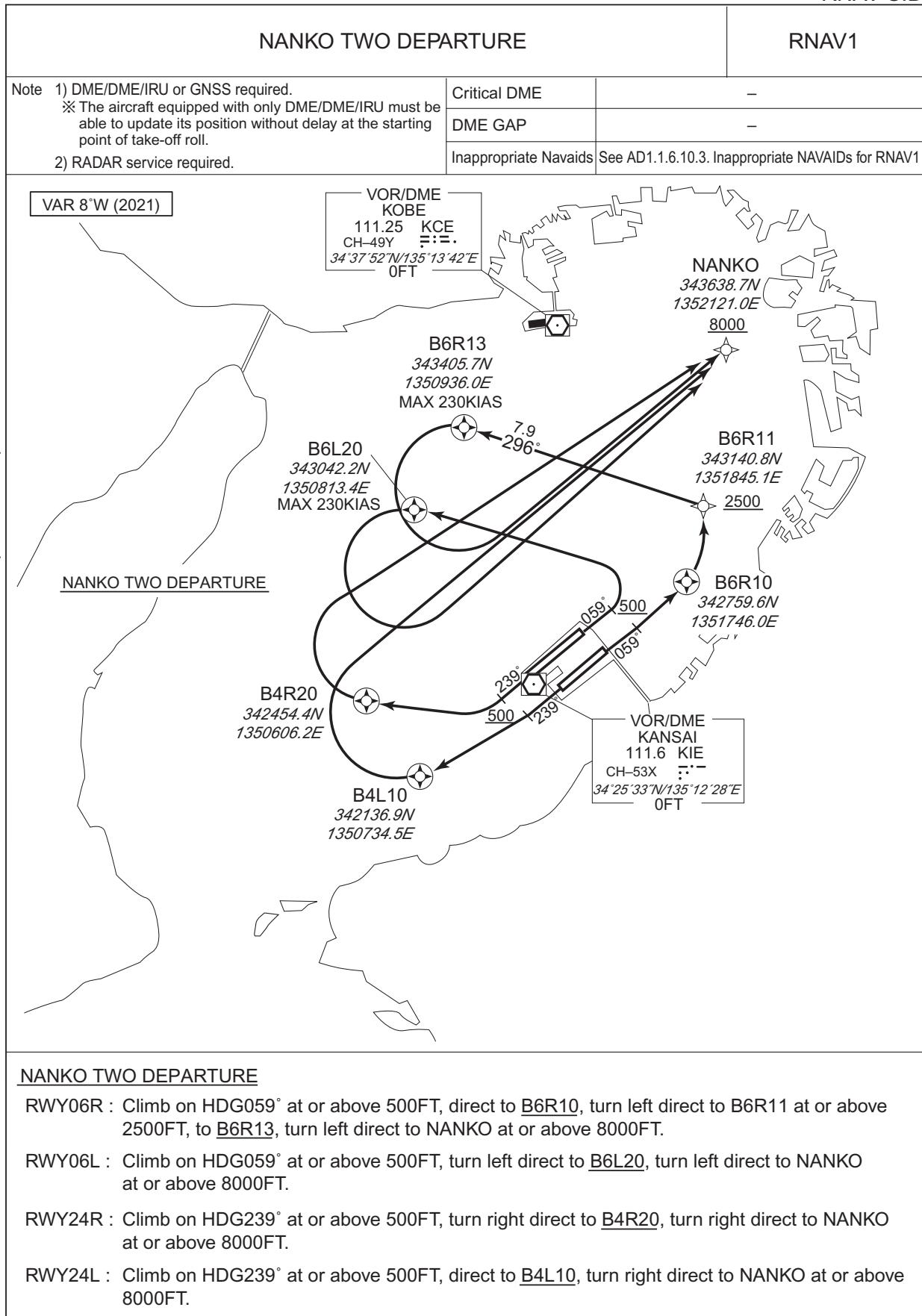
| BAMBI TRANSITION / SHTLE TRANSITION / UENOH TRANSITION  |   | RNAV1 |              |   |         |   |              |   |         |   |              |   |         |   |
|---|---|-------|--------------|---|---------|---|--------------|---|---------|---|--------------|---|---------|---|
| Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.  |   |       |              |   |         |   |              |   |         |   |              |   |         |   |
| Inappropriate Navaids   | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |       |              |   |         |   |              |   |         |   |              |   |         |   |
| VAR 8° W(2021)  |   |       |              |   |         |   |              |   |         |   |              |   |         |   |
| <p><b>BAMBI TRANSITION</b><br/>From ISPUM, to NARAH.</p> <table border="1"> <tr> <td>Critical DME</td> <td>—</td> </tr> <tr> <td>DME GAP</td> <td>—</td> </tr> </table> <p><b>SHTLE TRANSITION</b><br/>From ISPUM, to NARAH, to YAGYU, to SHTLE.</p> <table border="1"> <tr> <td>Critical DME</td> <td>—</td> </tr> <tr> <td>DME GAP</td> <td>—</td> </tr> </table> <p><b>UENOH TRANSITION</b><br/>From ISPUM, to NARAH, to UENOH, to GUJYO.</p> <table border="1"> <tr> <td>Critical DME</td> <td>KCC : 32.0NM to GUJYO - 24.0NM to GUJYO</td> </tr> <tr> <td>DME GAP</td> <td>—</td> </tr> </table> |   |       | Critical DME | — | DME GAP | — | Critical DME | — | DME GAP | — | Critical DME | KCC : 32.0NM to GUJYO - 24.0NM to GUJYO | DME GAP | — |
| Critical DME  | —   |       |              |   |         |   |              |   |         |   |              |   |         |   |
| DME GAP   | —   |       |              |   |         |   |              |   |         |   |              |   |         |   |
| Critical DME  | —   |       |              |   |         |   |              |   |         |   |              |   |         |   |
| DME GAP   | —   |       |              |   |         |   |              |   |         |   |              |   |         |   |
| Critical DME  | KCC : 32.0NM to GUJYO - 24.0NM to GUJYO           |       |              |   |         |   |              |   |         |   |              |   |         |   |
| DME GAP   | —   |       |              |   |         |   |              |   |         |   |              |   |         |   |

CHANGE : VAR. PROC course. KANSAI(KNE) abolished. ISPUM established.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID



CHANGE : VAR. PROC renamed. PROC course. KANSAI VOR/DME relocated(KNE→KIE).

NANKO TWO DEPARTURE

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

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

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

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

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

NANKO TWO DEPARTURE

## RWY06R

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 059 (050.9)   | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B6R10               | Y        | —             | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | B6R11               | —        | —             | -7.9               | —             | L              | +2500         | —            | —              | RNAV1                    |
| 004           | TF              | B6R13               | Y        | 296 (287.8)   | -7.9               | 7.9           | —              | —             | -230         | —              | RNAV1                    |
| 005           | DF              | NANKO               | —        | —             | -7.9               | —             | L              | +8000         | —            | —              | RNAV1                    |

## RWY06L

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 059 (050.9)   | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B6L20               | Y        | —             | -7.9               | —             | L              | —             | -230         | —              | RNAV1                    |
| 003           | DF              | NANKO               | —        | —             | -7.9               | —             | L              | +8000         | —            | —              | RNAV1                    |

## RWY24R

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 239 (230.9)   | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B4R20               | Y        | —             | -7.9               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | DF              | NANKO               | —        | —             | -7.9               | —             | R              | +8000         | —            | —              | RNAV1                    |

## RWY24L

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 239 (230.9)   | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B4L10               | Y        | —             | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | NANKO               | —        | —             | -7.9               | —             | R              | +8000         | —            | —              | RNAV1                    |

CHANGE : VAR, PROC renamed. PROC course.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

SIGAK TRANSITION / NAGOYA TRANSITION

RNAV1

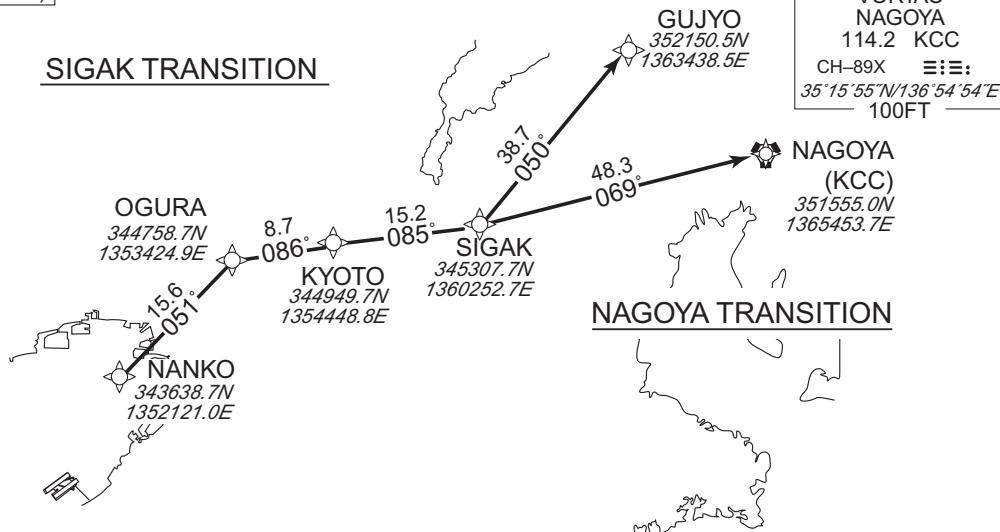
Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.

Inappropriate Navaids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8° W(2021)

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 : VAR. PROC course.

## 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 |

VAR 8°W (2021)

HELEN TWO DEPARTURE

CHANGE : VAR. PROC renamed. PROC course. KANSAI VOR/DME relocated(KNE→KIE).

HELEN TWO DEPARTURE

**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

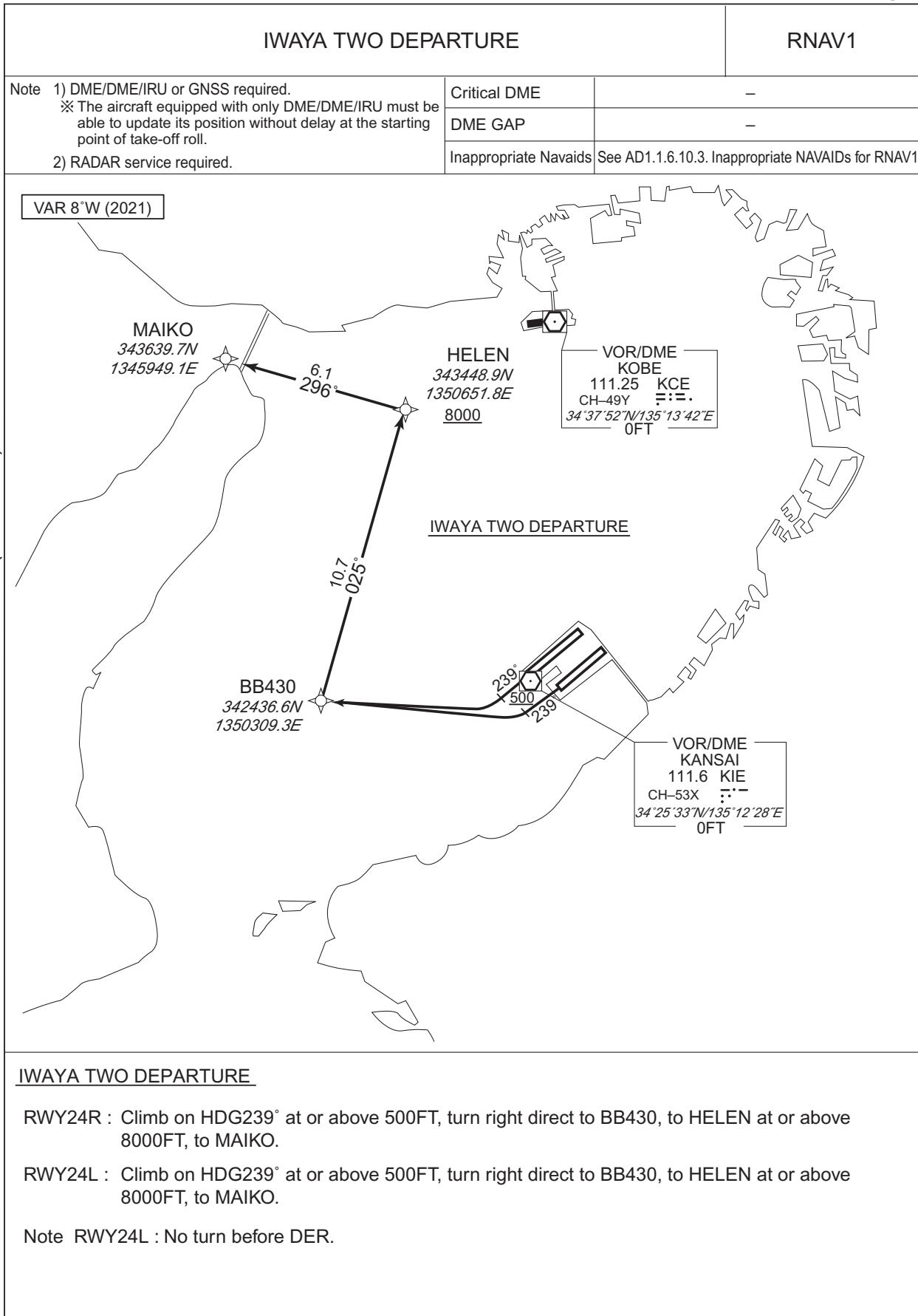
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|------------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

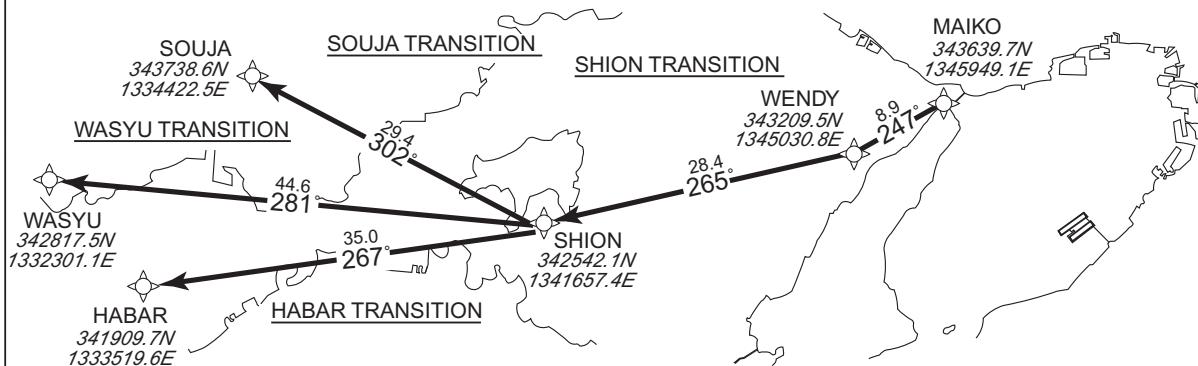
RNAV1

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(2021)



## 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 : VAR. PROC course.

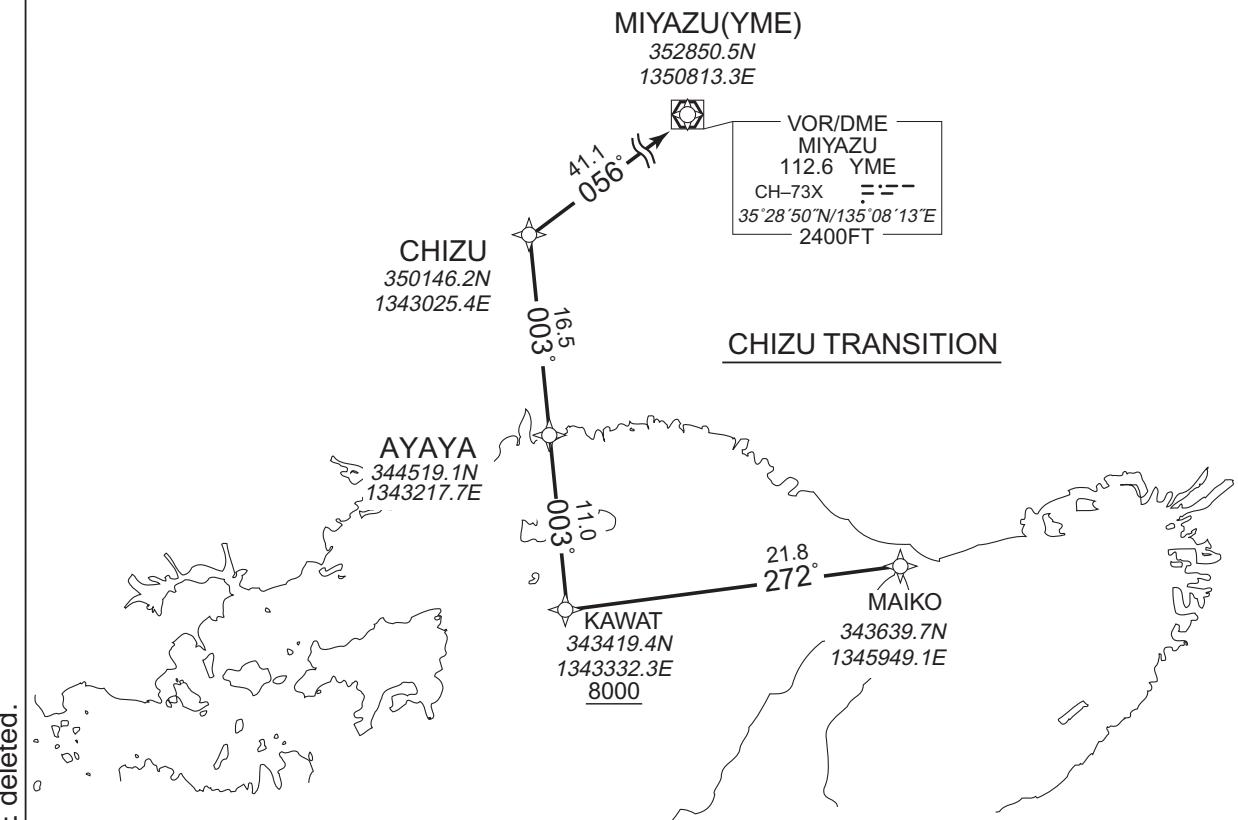
STANDARD DEPARTURE CHART - INSTRUMENT

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(2021)



CHANGE : VAR. PROC course. Critical DME deleted.

CHIZU TRANSITION

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

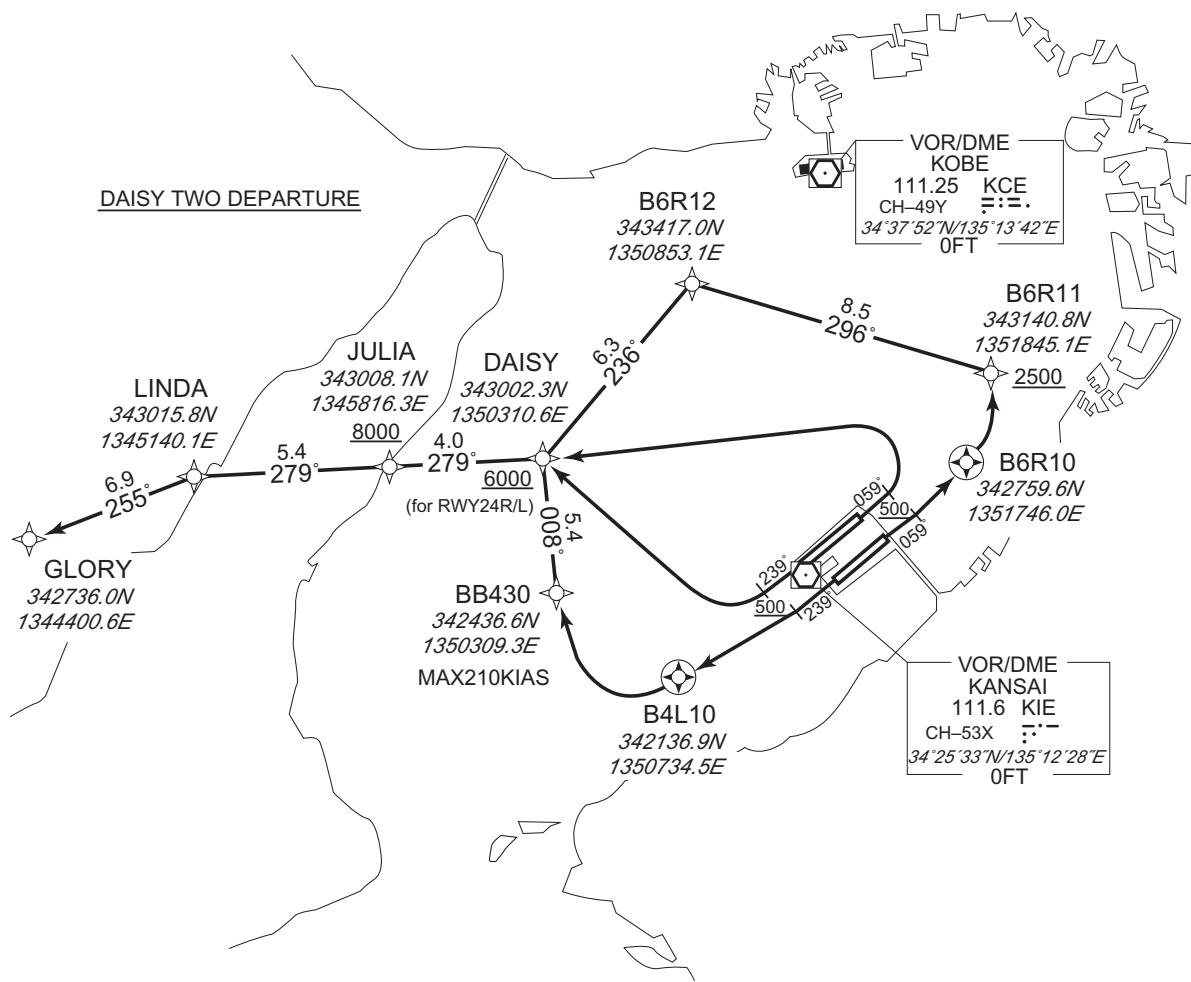
RNAV SID

## 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 (2021)



CHANGE : VAR. PROC renamed. PROC course. KANSAI VOR/DME relocated(KNE→KIE).

## DAISY TWO DEPARTURE

RWY06R : Climb on HDG059° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to B6R12, to DAISY, to JULIA at or above 8000FT, to LINDA, to GLORY.

RWY06L : Climb on HDG059° at or above 500FT, turn left direct to DAISY, to JULIA at or above 8000FT, to LINDA, to GLORY.

RWY24R : Climb on HDG239° at or above 500FT, turn right direct to DAISY at or above 6000FT, to JULIA at or above 8000FT, to LINDA, to GLORY.

RWY24L : Climb on HDG239° at or above 500FT, direct to B4L10, turn right direct to BB430, to DAISY at or above 6000FT, to JULIA at or above 8000FT, to LINDA, to GLORY.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

DAISY TWO DEPARTURE

RWY06R

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 059 (050.9)   | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B6R10               | Y        | —             | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | B6R11               | —        | —             | -7.9               | —             | L              | +2500         | —            | —              | RNAV1                    |
| 004           | TF              | B6R12               | —        | 296 (287.8)   | -7.9               | 8.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | DAISY               | —        | 236 (227.9)   | -7.9               | 6.3           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | JULIA               | —        | 279 (271.4)   | -7.9               | 4.0           | —              | +8000         | —            | —              | RNAV1                    |
| 007           | TF              | LINDA               | —        | 279 (271.4)   | -7.9               | 5.4           | —              | —             | —            | —              | RNAV1                    |
| 008           | TF              | GLORY               | —        | 255 (247.2)   | -7.9               | 6.9           | —              | —             | —            | —              | RNAV1                    |

RWY06L

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 059 (050.9)   | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | DAISY               | —        | —             | -7.9               | —             | L              | —             | —            | —              | RNAV1                    |
| 003           | TF              | JULIA               | —        | 279 (271.4)   | -7.9               | 4.0           | —              | +8000         | —            | —              | RNAV1                    |
| 004           | TF              | LINDA               | —        | 279 (271.4)   | -7.9               | 5.4           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | GLORY               | —        | 255 (247.2)   | -7.9               | 6.9           | —              | —             | —            | —              | RNAV1                    |

CHANGE : VAR. PROC renamed. PROC course.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

RWY24R

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 239 (230.9)   | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | DAISY               | —        | —             | -7.9               | —             | R              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | JULIA               | —        | 279 (271.4)   | -7.9               | 4.0           | —              | +8000         | —            | —              | RNAV1                    |
| 004           | TF              | LINDA               | —        | 279 (271.4)   | -7.9               | 5.4           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | GLORY               | —        | 255 (247.2)   | -7.9               | 6.9           | —              | —             | —            | —              | RNAV1                    |

RWY24L

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 239 (230.9)   | -7.9               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B4L10               | Y        | —             | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | BB430               | —        | —             | -7.9               | —             | R              | —             | -210         | —              | RNAV1                    |
| 004           | TF              | DAISY               | —        | 008 (000.2)   | -7.9               | 5.4           | —              | +6000         | —            | —              | RNAV1                    |
| 005           | TF              | JULIA               | —        | 279 (271.4)   | -7.9               | 4.0           | —              | +8000         | —            | —              | RNAV1                    |
| 006           | TF              | LINDA               | —        | 279 (271.4)   | -7.9               | 5.4           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF              | GLORY               | —        | 255 (247.2)   | -7.9               | 6.9           | —              | —             | —            | —              | RNAV1                    |

CHANGE : VAR. PROC course.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

| HIBIS TRANSITION   |   | RNAV1               |              |                |                    |               |                |               |              |                |                          |
|--|---|---------------------|--------------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.   |   |                     |              |                |                    |               |                |               |              |                |                          |
| Inappropriate Navaids  | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |                     |              |                |                    |               |                |               |              |                |                          |
| VAR 8° W(2021)   |   |                     |              |                |                    |               |                |               |              |                |                          |
|  |   |                     |              |                |                    |               |                |               |              |                |                          |
| <b>HIBIS TRANSITION</b><br>From GLORY, to HIBIS.   |   |                     |              |                |                    |               |                |               |              |                |                          |
| <table border="1"> <tr> <td>Critical DME</td><td>—</td></tr> <tr> <td>DME GAP</td><td>—</td></tr> </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  | GLORY               | —            | —              | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002  | TF  | HIBIS               | —            | 255<br>(247.3) | -7.9               | 32.7          | —              | —             | —            | —              | RNAV1                    |

CHANGE : VAR. Course FM GLORY to HIBIS.

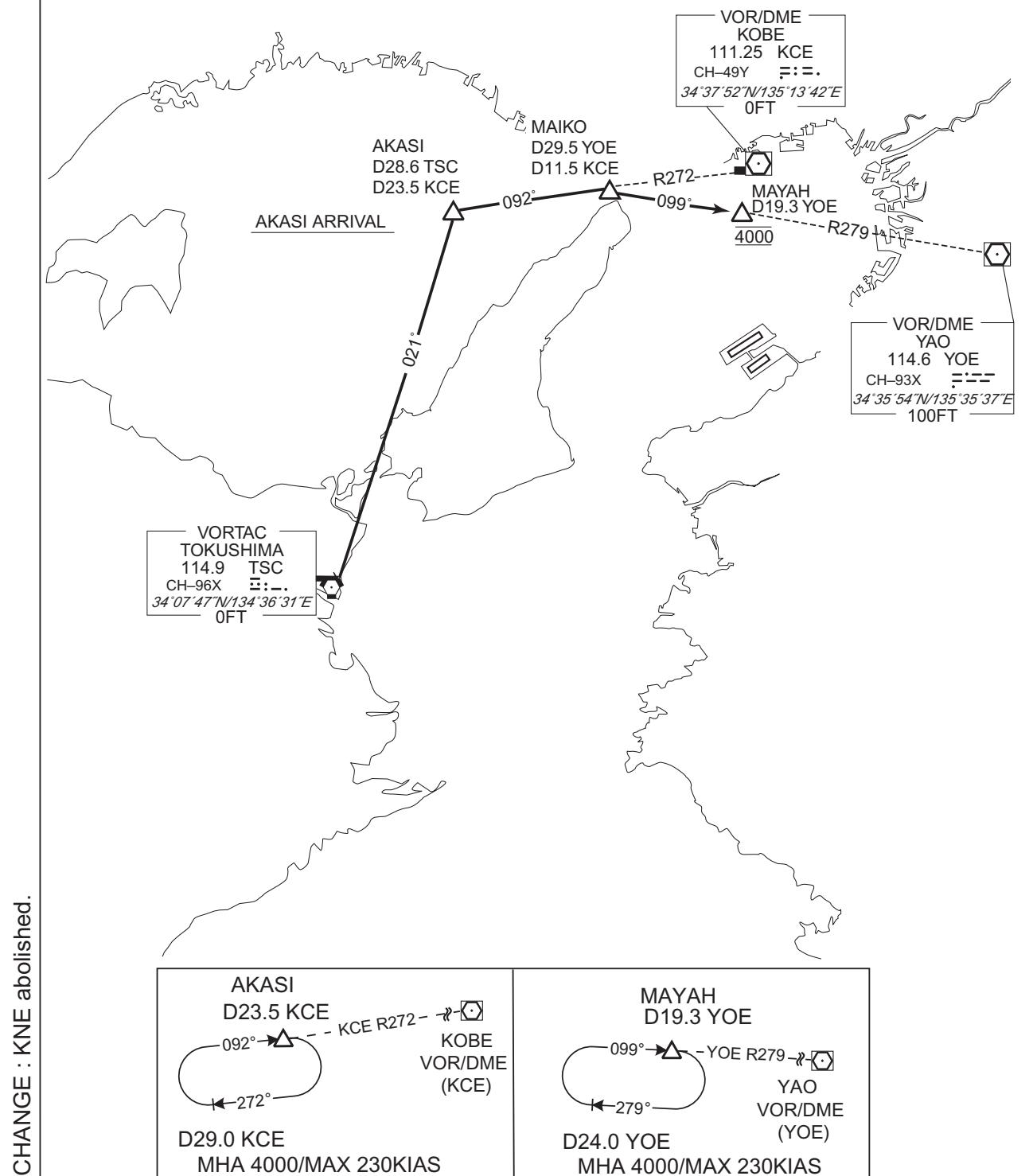
STANDARD ARRIVAL CHART - INSTRUMENT

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

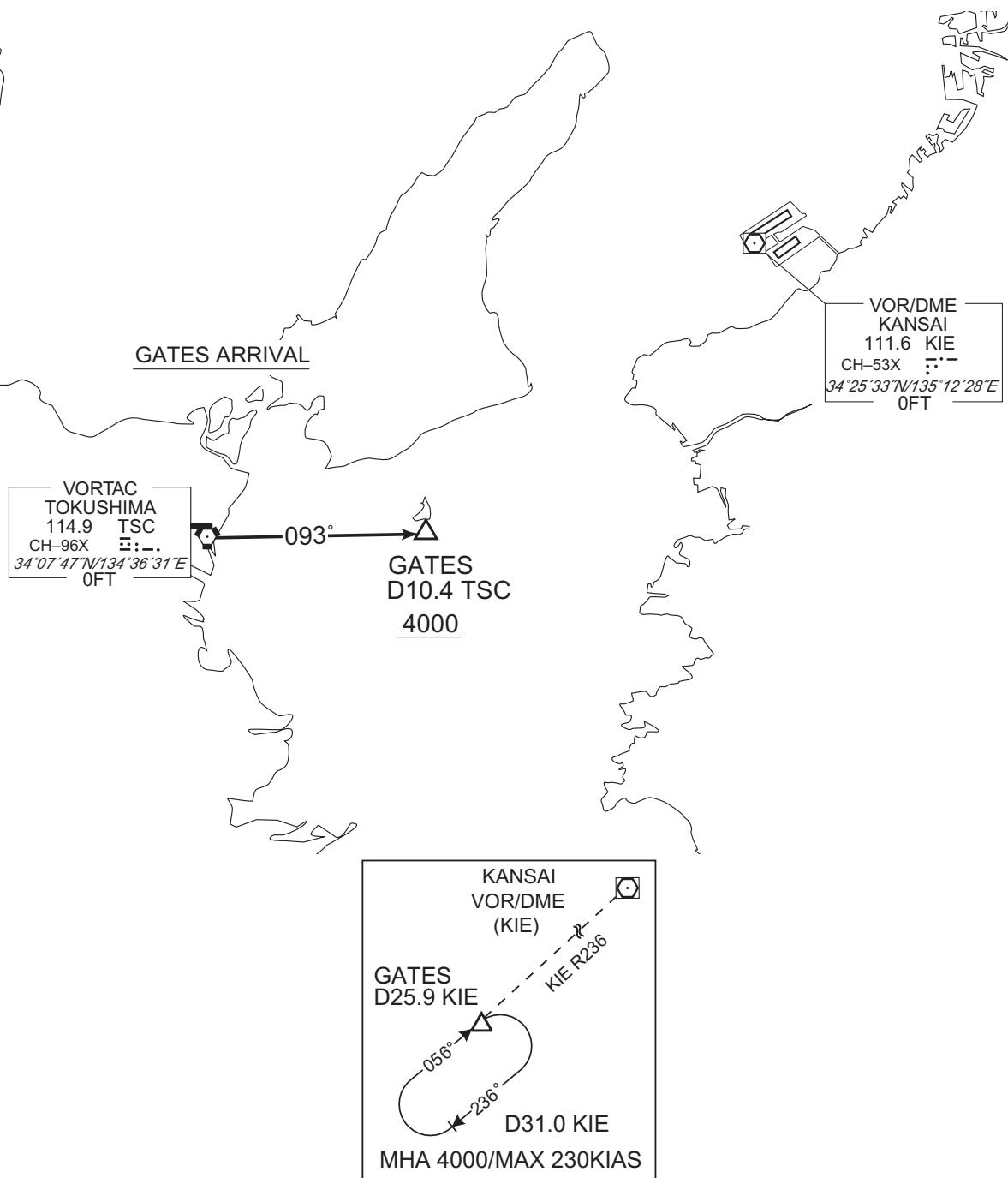
RJBB / KANSAI INTL

STAR

GATES ARRIVAL

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

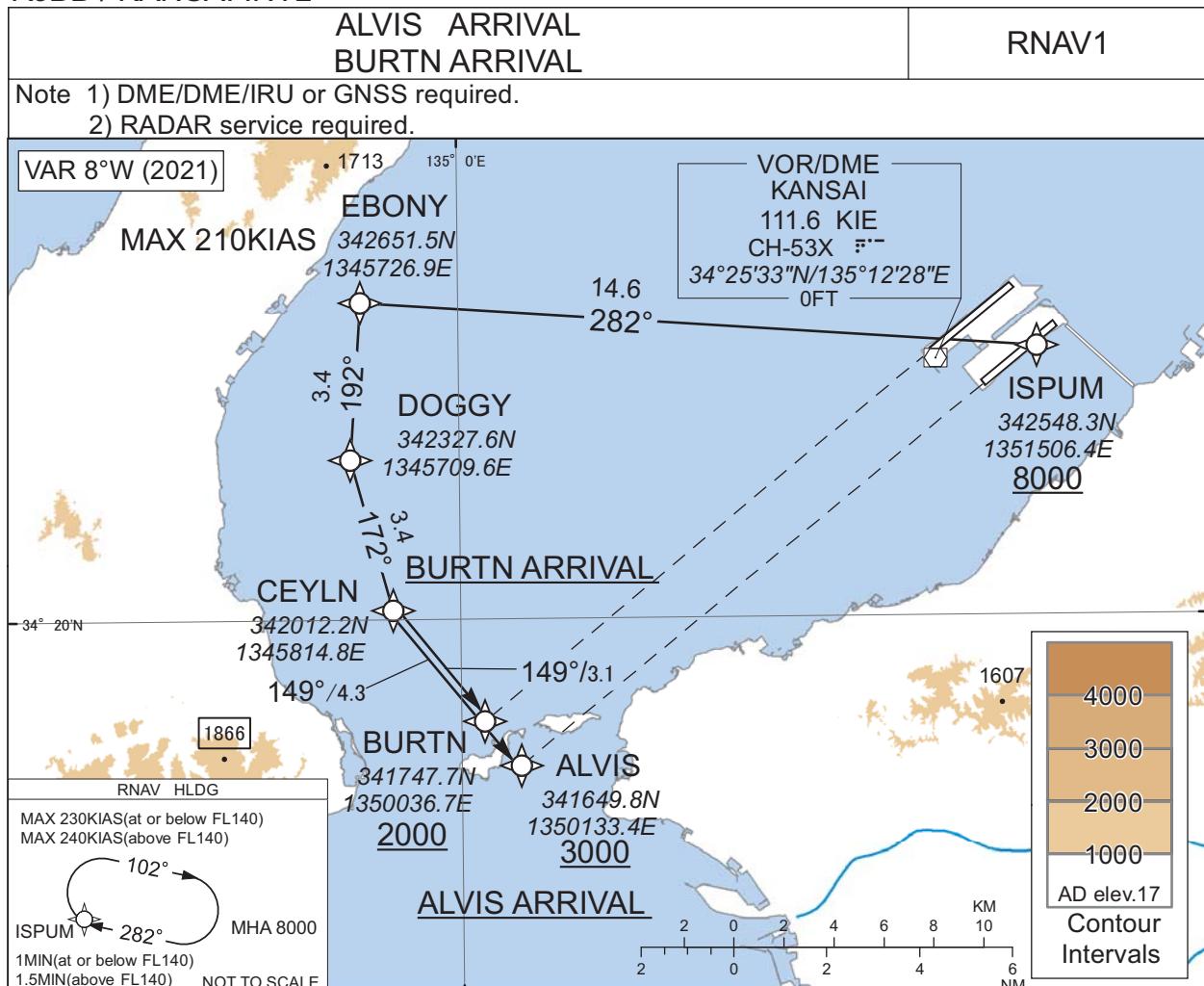
CHANGE : KANSAI VOR/DME relocated(KNE→KIE). HLDG pattern.



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               | -        | -             | -7.9               | -             | -              | +8000         | -            | -              | RNAV1                    |
| 002           | TF              | EBONY               | -        | 282 (274.2)   | -7.9               | 14.6          | -              | -             | -210         | -              | RNAV1                    |
| 003           | TF              | DOGGY               | -        | 192 (184.0)   | -7.9               | 3.4           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | CEYLN               | -        | 172 (164.6)   | -7.9               | 3.4           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | ALVIS               | -        | 149 (141.0)   | -7.9               | 4.3           | -              | +3000         | -            | -              | RNAV1                    |

CHANGE : New PROC.

## 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               | -        | -             | -7.9               | -             | -              | +8000         | -            | -              | RNAV1                    |
| 002           | TF              | EBONY               | -        | 282 (274.2)   | -7.9               | 14.6          | -              | -             | -210         | -              | RNAV1                    |
| 003           | TF              | DOGGY               | -        | 192 (184.0)   | -7.9               | 3.4           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | CEYLN               | -        | 172 (164.6)   | -7.9               | 3.4           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | BURTN               | -        | 149 (141.0)   | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 8000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

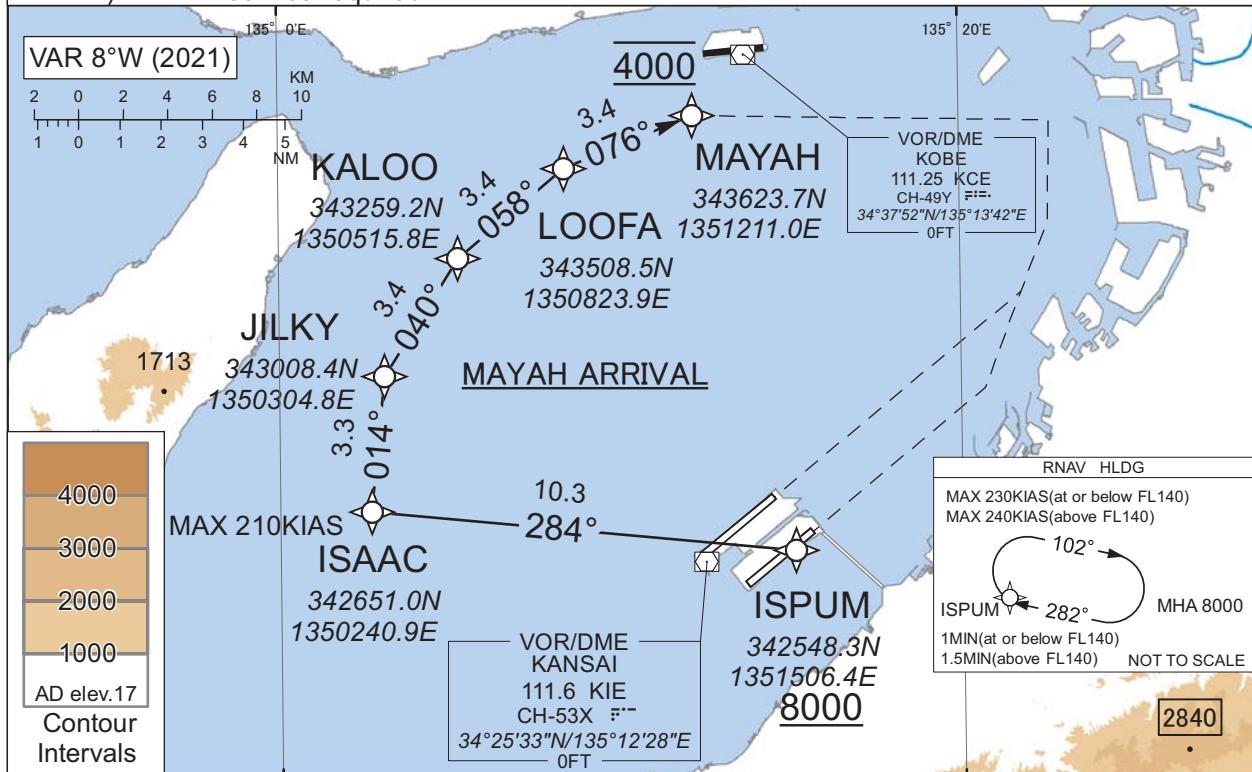
RNAV STAR RWY24R/24L

MAYAH ARRIVAL

RNAV1

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

2) RADAR service required.



MAYAH ARRIVAL

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               | -        | -             | -7.9               | -             | -              | +8000         | -            | -              | RNAV1                    |
| 002           | TF              | ISAAC               | -        | 284 (275.9)   | -7.9               | 10.3          | -              | -             | -210         | -              | RNAV1                    |
| 003           | TF              | JILKY               | -        | 014 (005.7)   | -7.9               | 3.3           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | KALOO               | -        | 040 (032.3)   | -7.9               | 3.4           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | LOOFA               | -        | 058 (050.1)   | -7.9               | 3.4           | -              | -             | -            | -              | RNAV1                    |
| 006           | TF              | MAYAH               | -        | 076 (068.1)   | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 8000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : New PROC.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

DANDE ALFA ARRIVAL  
DANDE BRAVO ARRIVAL

RNAV1

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

2) RADAR service required.

VAR8° W(2021)

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

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

DANDE BRAVO ARRIVAL

BERRY

341502.0N  
1345631.6E

4000

ALLAN  
4000  
341404.1N  
1345728.3EJOLLY 6000  
340900.6N  
1350225.6EDANDE ALFA ARRIVALDANDE  
341309.4N  
1352433.9E

CHANGE : COORD and ELEV of GBD.

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

RNAV HLDG

MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)

DANDE

270°  
090°  
MHA 8000  
1MIN(at or below FL140)  
1.5MIN(above FL140)

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          | OKT : 16.0NM to JOLLY - 14.0NM to JOLLY<br>TZA : 14.0NM to JOLLY - 13.0NM to JOLLY<br>4.0NM to JOLLY - ALLAN<br>GBD : DANDE - ALLAN |
| 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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | JOLLY               | —        | 265 (257.3)     | -7.9               | 18.8          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ALLAN               | —        | 329 (321.0)     | -7.9               | 6.5           | —              | +4000         | —            | —              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DANDE               | 270 (262.6)           | -7.9               | 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          | OKT : 16.0NM to JOLLY - 14.0NM to JOLLY<br>TZA : 14.0NM to JOLLY - 13.0NM to JOLLY<br>4.0NM to JOLLY - BERRY<br>GBD : DANDE - BERRY |
| 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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | JOLLY               | —        | 265 (257.3)     | -7.9               | 18.8          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | BERRY               | —        | 329 (321.0)     | -7.9               | 7.8           | —              | +4000         | —            | —              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DANDE               | 270 (262.6)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

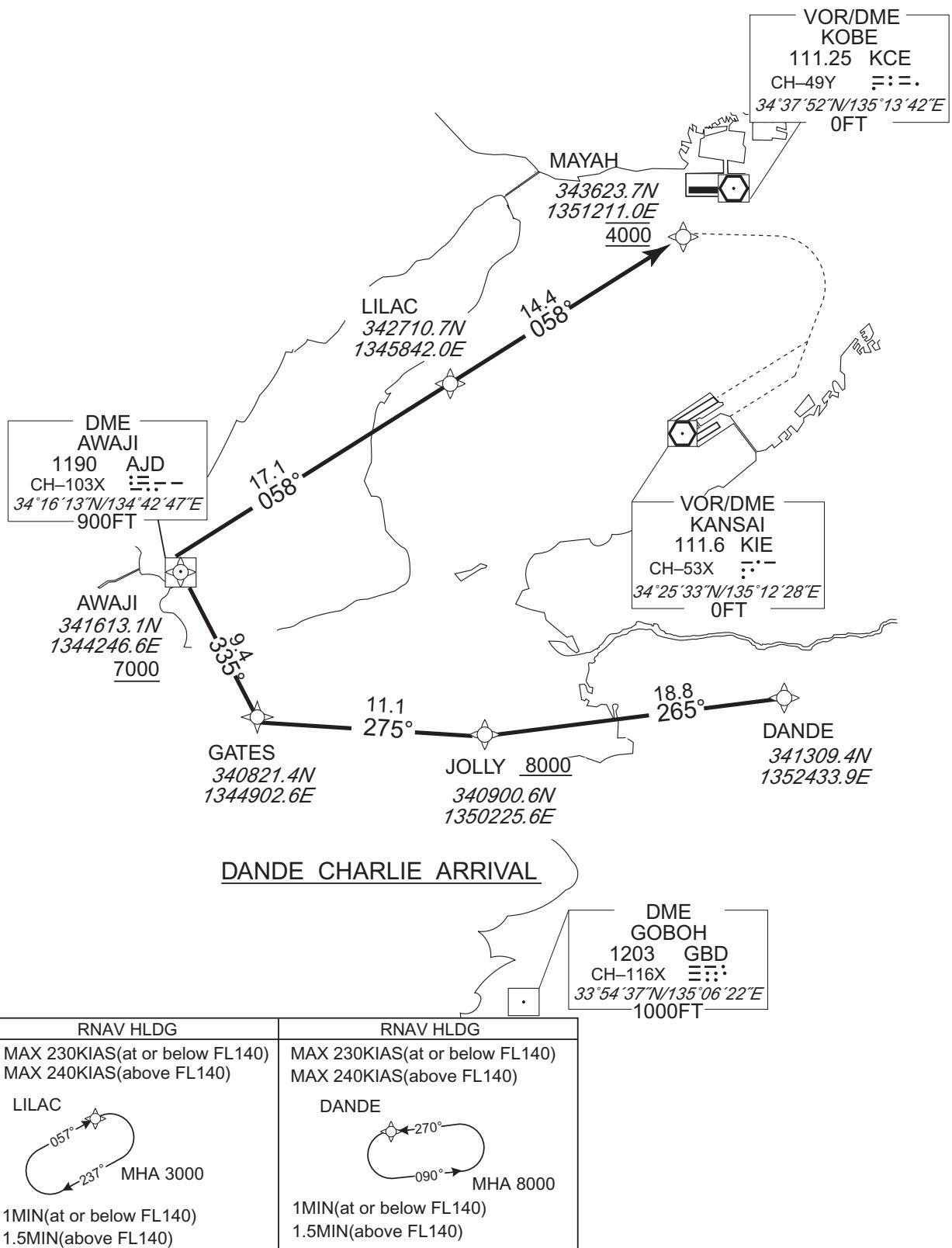
RNAV STAR RWY24L/24R

## DANDE CHARLIE ARRIVAL

RNAV1

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

VAR 8° W(2021)



CHANGE : COORD and ELEV of GBD.

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          | OKT : 16.0NM to JOLLY - 14.0NM to JOLLY<br>TZT : 14.0NM to JOLLY - 13.0NM to JOLLY<br>4.0NM to JOLLY - 8.0NM to GATES<br>7.0NM to GATES - GATES<br>8.0NM to AWAJI - 11.0NM to LILAC | GBD : DANDE - 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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | JOLLY               | —        | 265 (257.3)     | -7.9               | 18.8          | —              | +8000         | —            | —              | RNAV1                    |
| 003           | TF              | GATES               | —        | 275 (266.7)     | -7.9               | 11.1          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | AWAJI               | —        | 335 (326.6)     | -7.9               | 9.4           | —              | +7000         | —            | —              | RNAV1                    |
| 005           | TF              | LILAC               | —        | 058 (050.1)     | -7.9               | 17.1          | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | MAYAH               | —        | 058 (050.3)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057 (049.2)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. PROC course.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

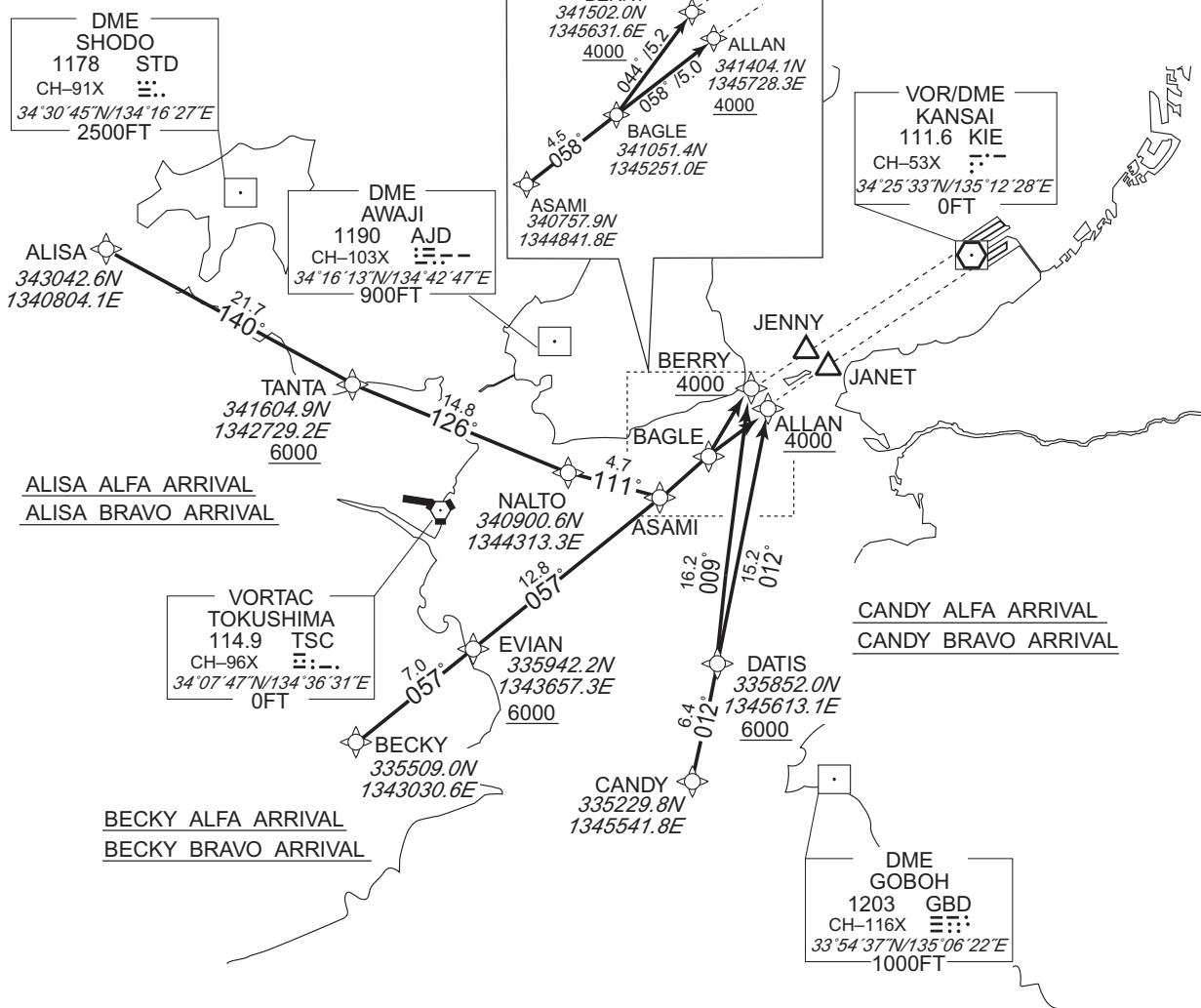
RNAV STAR RWY06L/06R

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(2021)



CHANGE : COORD and ELEV of GBD.

## 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          |  | AJD : 12.0NM to NALTO - 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              | ALISA               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 140 (132.3)     | -7.9               | 21.7          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | NALTO               | —        | 126 (118.4)     | -7.9               | 14.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | ASAMI               | —        | 111 (103.0)     | -7.9               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | BAGLE               | —        | 058 (049.9)     | -7.9               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | ALLAN               | —        | 058 (049.9)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 10000                 | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -7.9               | 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          | AJD : 12.0NM to NALTO - 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              | ALISA               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 140 (132.3)     | -7.9               | 21.7          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | NALTO               | —        | 126 (118.4)     | -7.9               | 14.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | ASAMI               | —        | 111 (103.0)     | -7.9               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | BAGLE               | —        | 058 (049.9)     | -7.9               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | BERRY               | —        | 044 (036.0)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 10000                 | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR Critical DM

## 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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | EVIAN               | —        | 057 (049.5)     | -7.9               | 7.0           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ASAMI               | —        | 057 (049.6)     | -7.9               | 12.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BAGLE               | —        | 058 (049.9)     | -7.9               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | ALLAN               | —        | 058 (049.9)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -7.9               | 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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | EVIAN               | —        | 057 (049.5)     | -7.9               | 7.0           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ASAMI               | —        | 057 (049.6)     | -7.9               | 12.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BAGLE               | —        | 058 (049.9)     | -7.9               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | BERRY               | —        | 044 (036.0)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Critical DME deleted.

**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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DATIS               | —        | 012 (003.9)     | -7.9               | 6.4           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ALLAN               | —        | 012 (003.9)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | DATIS               | 307 (298.6)           | -7.9               | 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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DATIS               | —        | 012 (003.9)     | -7.9               | 6.4           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | BERRY               | —        | 009 (000.9)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | DATIS               | 307 (298.6)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Critical DME(CANDY BRAVO ARRIVAL) deleted. HLDG course(DATIS).

## STANDARD ARRIVAL CHART - INSTRUMENT

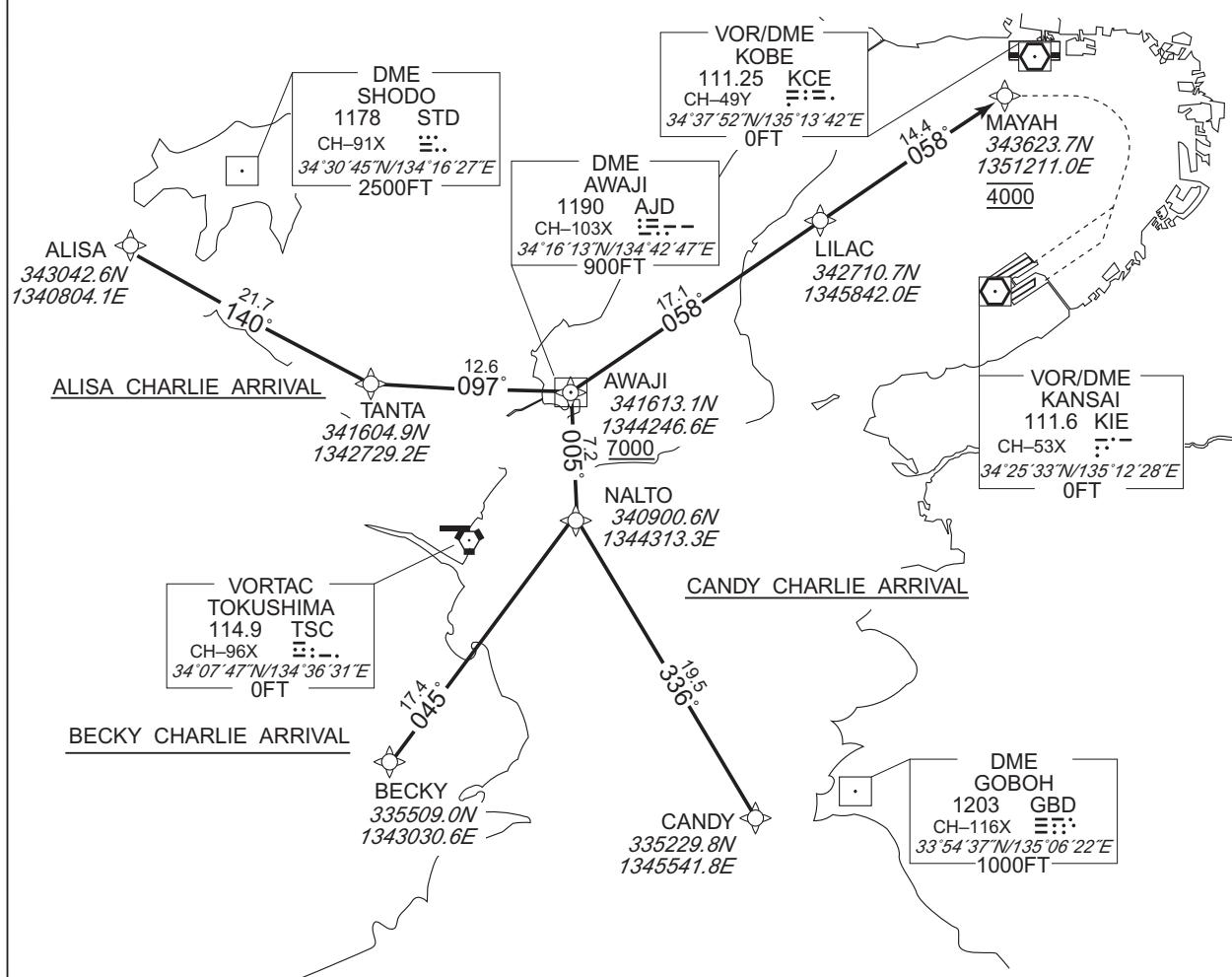
RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

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

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

VAR 8° W(2021)



CHANGE : COORD and ELEV of GBD.

## RNAV HLDG

|   |  |  |  |
|---|--|--|--|
| MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140)        | MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140)       | MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140)       | MAX 230KIAS(at or below FL140)<br>MAX 240KIAS(above FL140)       |
| ALISA MHA 10000<br>1MIN(at or below FL140)<br>1.5MIN(above FL140) | BECKY MHA 8000<br>1MIN(at or below FL140)<br>1.5MIN(above FL140) | CANDY MHA 9000<br>1MIN(at or below FL140)<br>1.5MIN(above FL140) | LILAC 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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 140<br>(132.3)  | -7.9               | 21.7          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | AWAJI               | —        | 097<br>(089.3)  | -7.9               | 12.6          | —              | +7000         | —            | —              | RNAV1                    |
| 004           | TF              | LILAC               | —        | 058<br>(050.1)  | -7.9               | 17.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 058<br>(050.3)  | -7.9               | 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)        | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 10000                 | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057<br>(049.2)        | -7.9               | 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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 045<br>(037.2)  | -7.9               | 17.4          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | AWAJI               | —        | 005<br>(357.1)  | -7.9               | 7.2           | —              | +7000         | —            | —              | RNAV1                    |
| 004           | TF              | LILAC               | —        | 058<br>(050.1)  | -7.9               | 17.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 058<br>(050.3)  | -7.9               | 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)        | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057<br>(049.2)        | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Critical DME(ALISA CHARLIE ARRIVAL).

## 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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 336<br>(328.0)  | -7.9               | 19.5          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | AWAJI               | —        | 005<br>(357.1)  | -7.9               | 7.2           | —              | +7000         | —            | —              | RNAV1                    |
| 004           | TF              | LILAC               | —        | 058<br>(050.1)  | -7.9               | 17.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 058<br>(050.3)  | -7.9               | 14.4          | —              | 4000          | —            | —              | RNAV1                    |

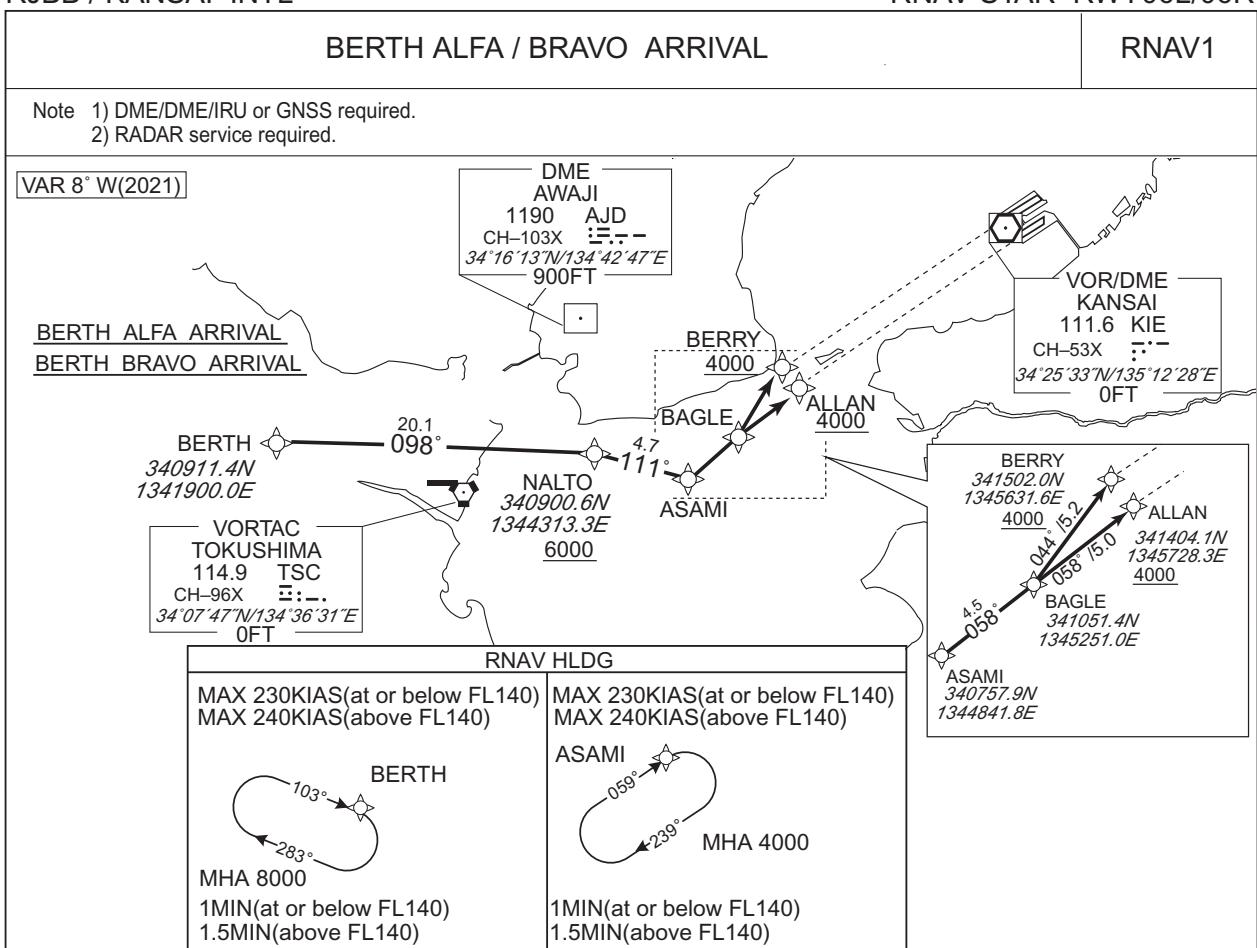
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY               | 322<br>(313.8)        | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057<br>(049.2)        | -7.9               | 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



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 |

CHANGE : VAR. Critical DME. KANSAI VOR/DME relocated(KNE→KIE).

| 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               | —        | 098 (090.4)     | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 111 (103.0)     | -7.9               | 20.1          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ASAMI               | —        | 058 (049.9)     | -7.9               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BAGLE               | —        | 058 (049.9)     | -7.9               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | ALLAN               | —        | 058 (049.9)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

BERTH BRAVO ARRIVAL

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

|                       |   |
|-----------------------|---|
| Critical DME          | AJD : 8.1NM to NALTO - 5.1NM to NALTO             |
| DME GAP               | —   |
| Inappropriate 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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 098 (090.4)     | -7.9               | 20.1          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ASAMI               | —        | 111 (103.0)     | -7.9               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BAGLE               | —        | 058 (049.9)     | -7.9               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | BERRY               | —        | 044 (036.0)     | -7.9               | 5.2           | —              | +4000         | —            | —              | RNAV1                    |

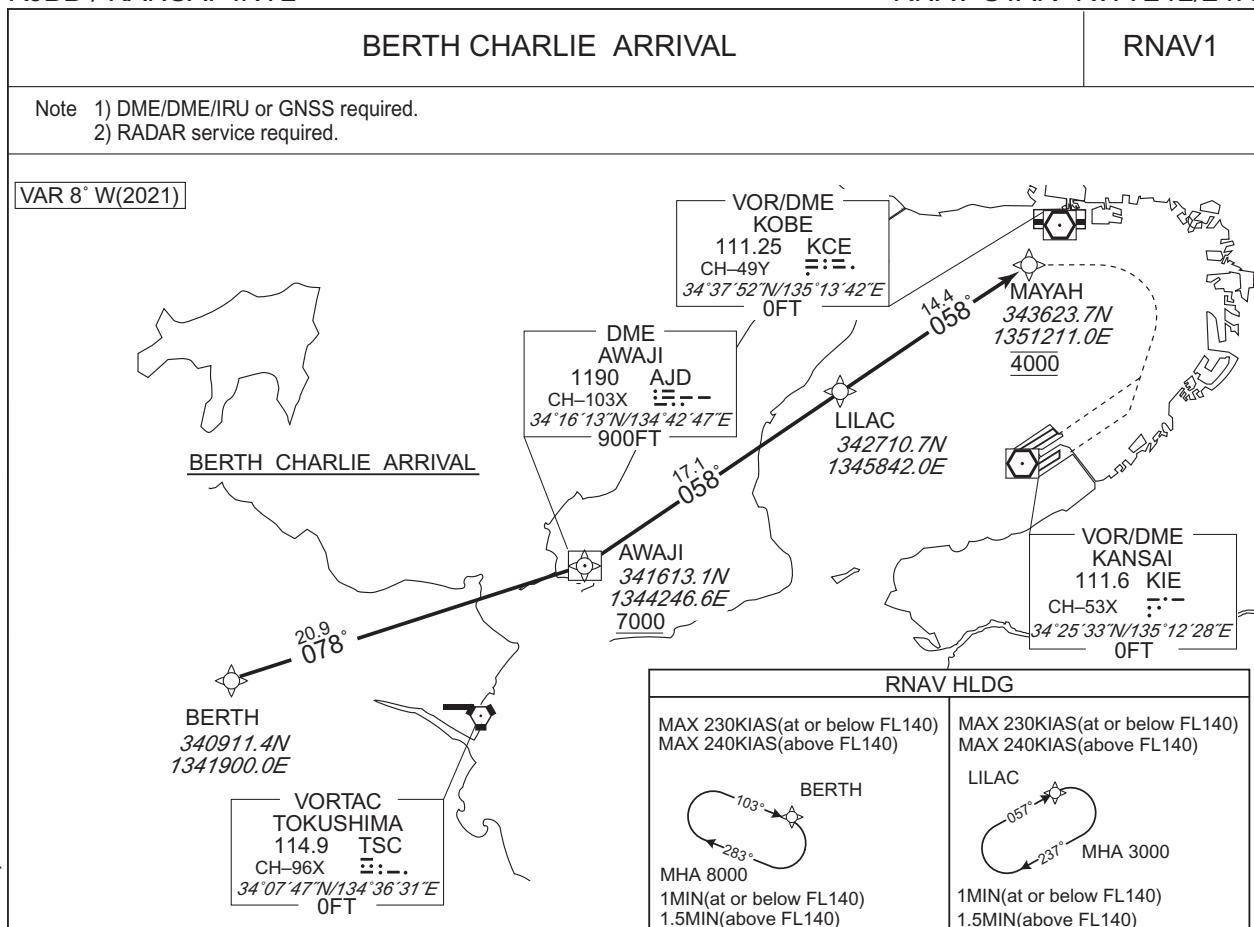
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH               | 103 (095.4)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Critical DME.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R



**BERTH CHARLIE ARRIVAL**

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

|              |  |
|--------------|--|
| Critical DME | AJD : 10.9NM to AWAJI - 4.9NM to AWAJI<br>TWT : AWAJI - 11.0NM to LILAC<br>GBD : AWAJI - MAYAH |
| DME GAP      | -  |

Inappropriate Navaids See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

CHANGE : VAR. Critical DME. KANSAI VOR/DME relocated(KNE→KIE).

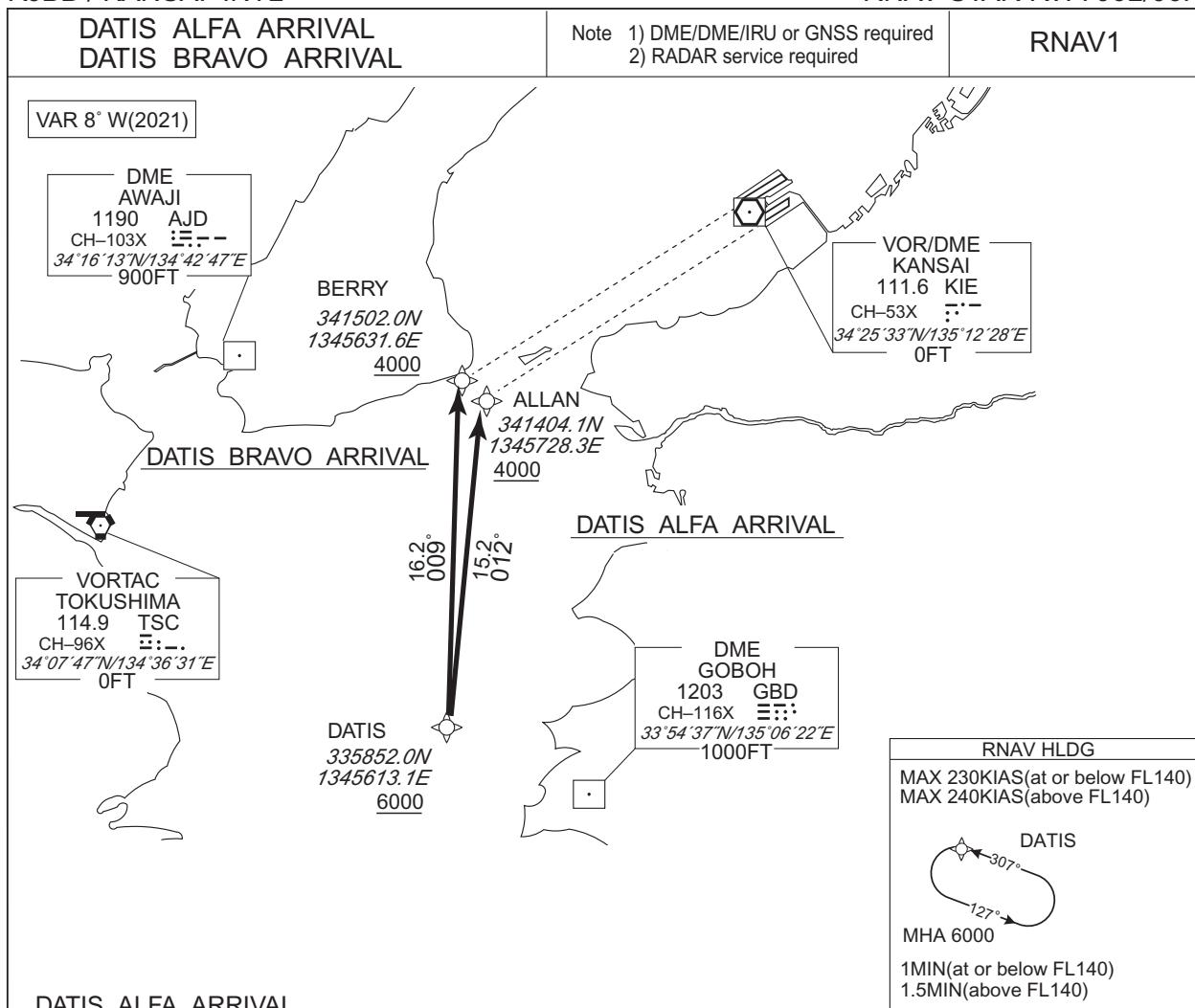
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | BERTH               | -        | -               | -7.9               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | AWAJI               | -        | 078 (070.2)     | -7.9               | 20.9          | -              | +7000         | -            | -              | RNAV1                    |
| 003           | TF              | LILAC               | -        | 058 (050.1)     | -7.9               | 17.1          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | MAYAH               | -        | 058 (050.3)     | -7.9               | 14.4          | -              | 4000          | -            | -              | RNAV1                    |

| Path | Waypoint Identifier | Inbound Course [°M(°T)] | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-------------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH               | 103 (095.4)             | -7.9               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 8000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057 (049.2)             | -7.9               | 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

DATIS ALFA ARRIVAL

From 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 |

CHANGE : COORD and ELEV of GBD.

| 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               | —        | —               | -7.9               | —             | —              | +6000         | —            | —              | RNAV1                    |
| 002           | TF              | ALLAN               | —        | 012 (003.9)     | -7.9               | 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)           | -7.9               | 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               | —        | —               | -7.9               | —             | —              | +6000         | —            | —              | RNAV1                    |
| 002           | TF              | BERRY               | —        | 009 (000.9)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Critical DME deleted. HLDG course.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

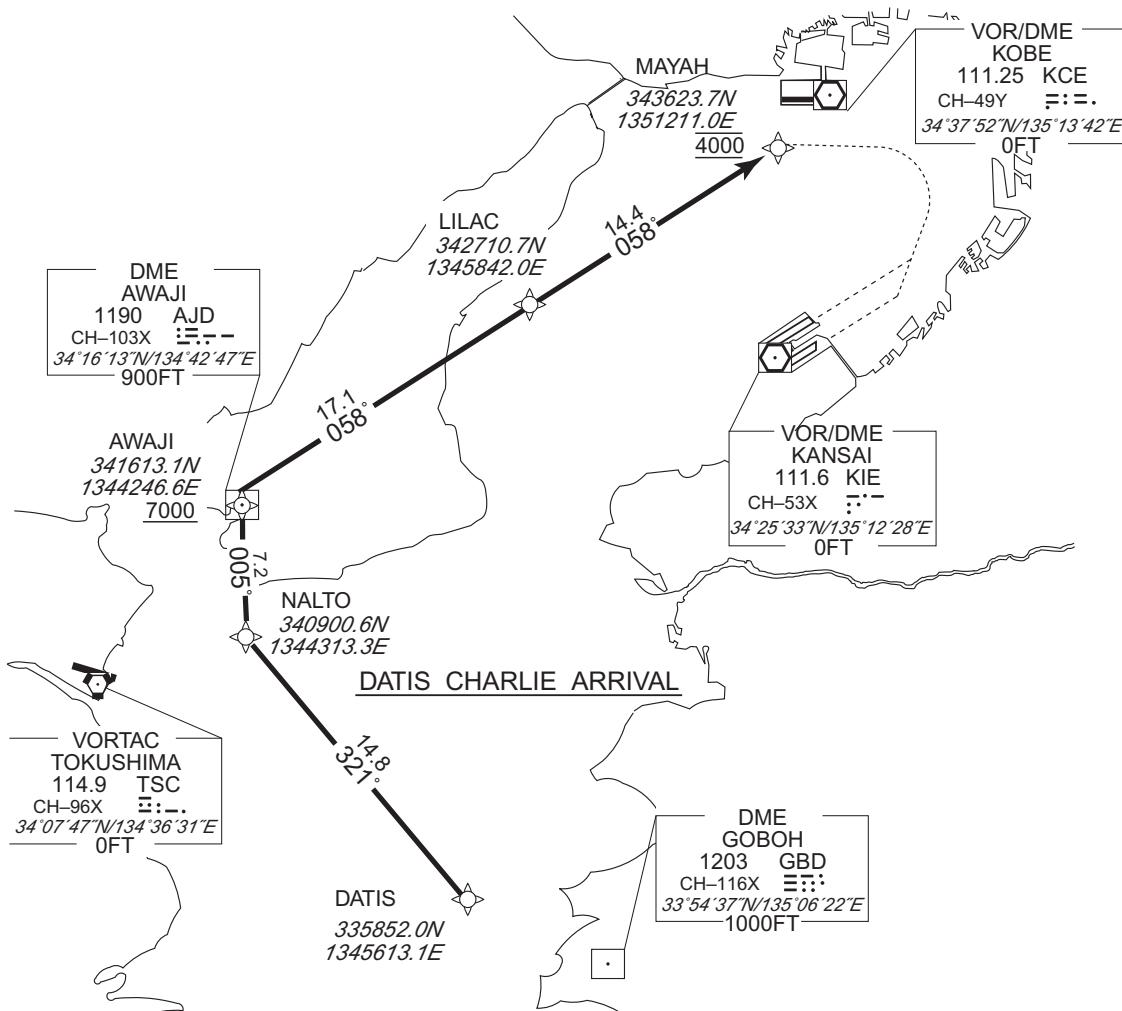
RNAV STAR RWY24L/24R

DATIS CHARLIE ARRIVAL

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

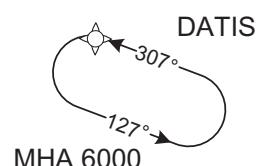
RNAV1

VAR 8° W(2021)



CHANGE : COORD and ELEV of GBD.

## RNAV HLDG

MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)1MIN(at or below FL140)  
1.5MIN(above FL140)MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)1MIN(at or below FL140)  
1.5MIN(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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 321 (313.4)     | -7.9               | 14.8          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | AWAJI               | —        | 005 (357.1)     | -7.9               | 7.2           | —              | +7000         | —            | —              | RNAV1                    |
| 004           | TF              | LILAC               | —        | 058 (050.1)     | -7.9               | 17.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 058 (050.3)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057 (049.2)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. HLDG course(DATIS).

## STANDARD ARRIVAL CHART - INSTRUMENT

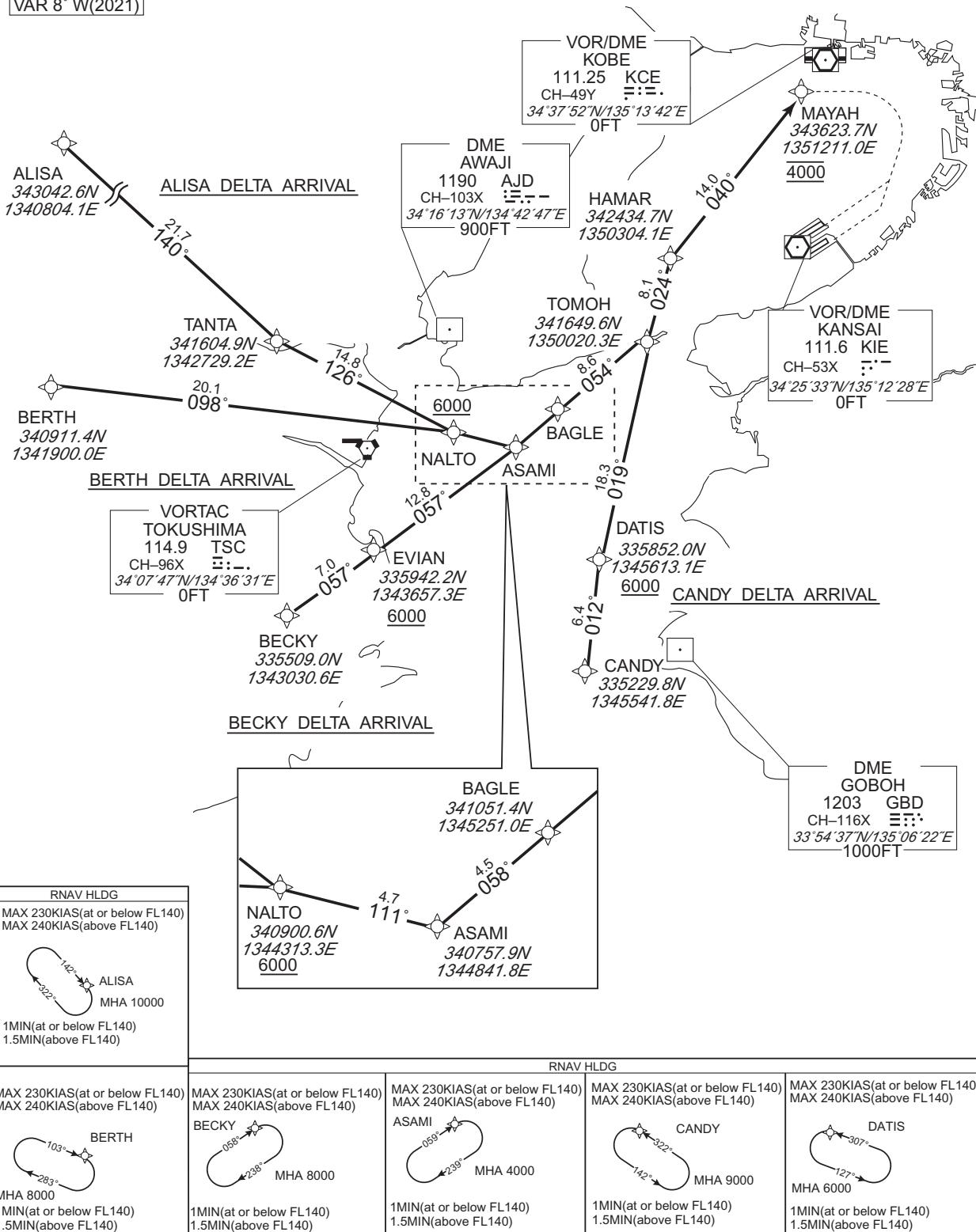
RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

|  |       |
|--|-------|
| ALISA DELTA ARRIVAL<br>BECKY DELTA ARRIVAL<br>BERTH DELTA ARRIVAL<br>CANDY DELTA ARRIVAL | RNAV1 |
|--|-------|

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

VAR 8° W(2021)



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               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 140 (132.3)     | -7.9               | 21.7          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | NALTO               | —        | 126 (118.4)     | -7.9               | 14.8          | —              | +6000         | —            | —              | RNAV1                    |
| 004           | TF              | ASAMI               | —        | 111 (103.0)     | -7.9               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | BAGLE               | —        | 058 (049.9)     | -7.9               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | TOMOH               | —        | 054 (046.0)     | -7.9               | 8.6           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF              | HAMAR               | —        | 024 (016.2)     | -7.9               | 8.1           | —              | —             | —            | —              | RNAV1                    |
| 008           | TF              | MAYAH               | —        | 040 (032.4)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 10000                 | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Critical DME.

## 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<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              | BECKY               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | EVIAN               | —        | 057 (049.5)     | -7.9               | 7.0           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ASAMI               | —        | 057 (049.6)     | -7.9               | 12.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BAGLE               | —        | 058 (049.9)     | -7.9               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | TOMOH               | —        | 054 (046.0)     | -7.9               | 8.6           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | HAMAR               | —        | 024 (016.2)     | -7.9               | 8.1           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF              | MAYAH               | —        | 040 (032.4)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Critical DME.

## 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               | -        | -               | -7.9               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | NALTO               | -        | 098 (090.4)     | -7.9               | 20.1          | -              | +6000         | -            | -              | RNAV1                    |
| 003           | TF              | ASAMI               | -        | 111 (103.0)     | -7.9               | 4.7           | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | BAGLE               | -        | 058 (049.9)     | -7.9               | 4.5           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | TOMOH               | -        | 054 (046.0)     | -7.9               | 8.6           | -              | -             | -            | -              | RNAV1                    |
| 006           | TF              | HAMAR               | -        | 024 (016.2)     | -7.9               | 8.1           | -              | -             | -            | -              | RNAV1                    |
| 007           | TF              | MAYAH               | -        | 040 (032.4)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 8000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 4000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Critical DME.

## 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               | -        | -               | -7.9               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | DATIS               | -        | 012<br>(003.9)  | -7.9               | 6.4           | -              | +6000         | -            | -              | RNAV1                    |
| 003           | TF              | TOMOH               | -        | 019<br>(010.7)  | -7.9               | 18.3          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | HAMAR               | -        | 024<br>(016.2)  | -7.9               | 8.1           | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | MAYAH               | -        | 040<br>(032.4)  | -7.9               | 14.0          | -              | 4000          | -            | -              | RNAV1                    |

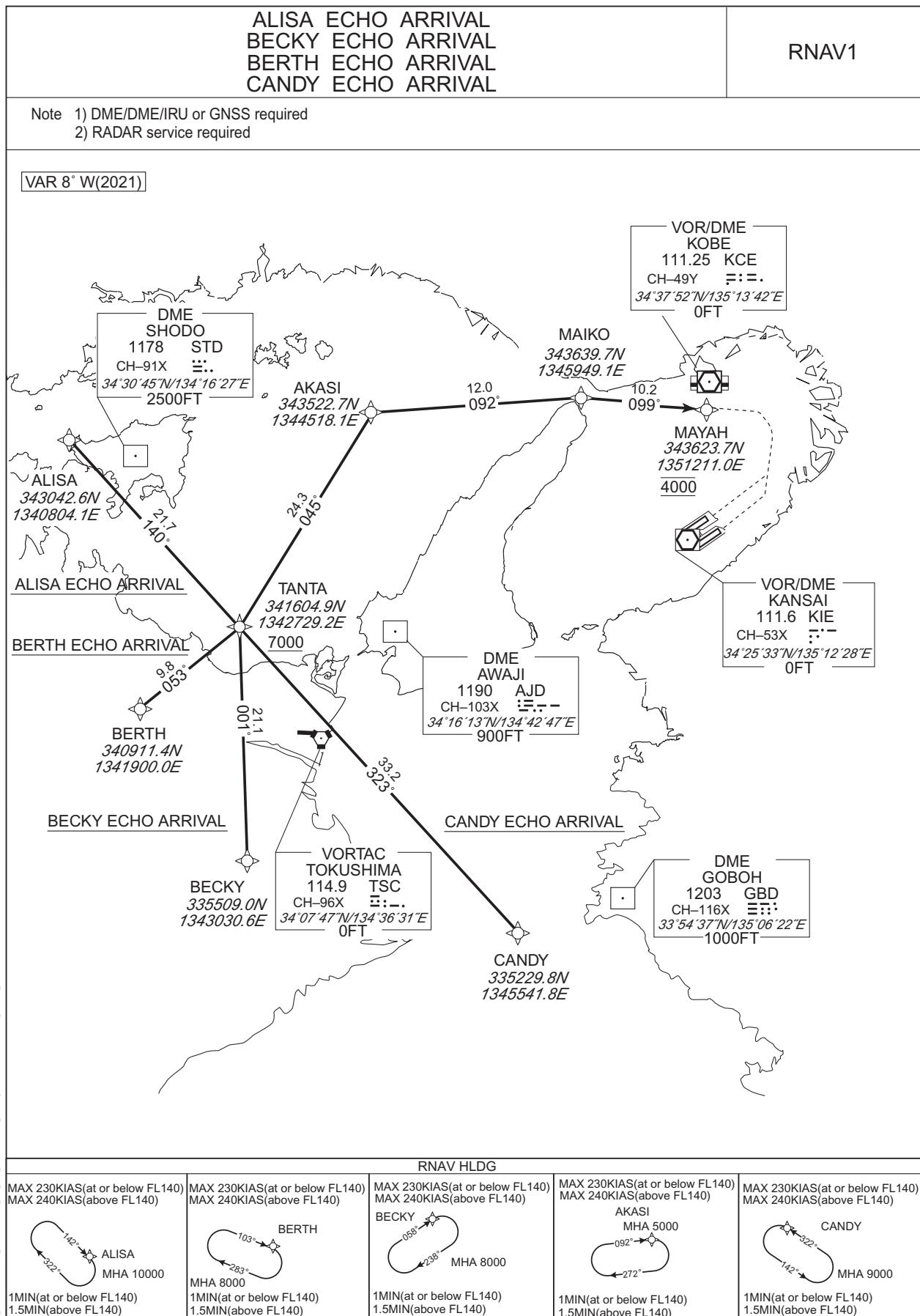
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN)        | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS)                 | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY               | 322<br>(313.8)        | -7.9               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 9000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | DATIS               | 307<br>(298.6)        | -7.9               | 1.0(-14000)<br>1.5(+14001) | -                      | L              | 6000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. HLDG course(DATIS).

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               | -   |
| 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               | -        | -               | -7.9               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | TANTA               | -        | 140<br>(132.3)  | -7.9               | 21.7          | -              | +7000         | -            | -              | RNAV1                    |
| 003           | TF              | AKASI               | -        | 045<br>(037.2)  | -7.9               | 24.3          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | MAIKO               | -        | 092<br>(083.8)  | -7.9               | 12.0          | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | MAYAH               | -        | 099<br>(091.4)  | -7.9               | 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<br>(134.0)        | -7.9               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 10000                 | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | AKASI               | 092<br>(083.8)        | -7.9               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 5000                  | -                     | -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               | -   |
| 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               | -        | -               | -7.9               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | TANTA               | -        | 001<br>(353.2)  | -7.9               | 21.1          | -              | +7000         | -            | -              | RNAV1                    |
| 003           | TF              | AKASI               | -        | 045<br>(037.2)  | -7.9               | 24.3          | -              | -             | -            | -              | RNAV1                    |
| 004           | TF              | MAIKO               | -        | 092<br>(083.8)  | -7.9               | 12.0          | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | MAYAH               | -        | 099<br>(091.4)  | -7.9               | 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<br>(050.2)        | -7.9               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 8000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | AKASI               | 092<br>(083.8)        | -7.9               | 1.0(-14000)<br>1.5(+14001) | -                      | R              | 5000                  | -                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

CHANGE : VAR. Critical DME.

## 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<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              | BERTH               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 053 (045.5)     | -7.9               | 9.8           | —              | +7000         | —            | —              | RNAV1                    |
| 003           | TF              | AKASI               | —        | 045 (037.2)     | -7.9               | 24.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | MAIKO               | —        | 092 (083.8)     | -7.9               | 12.0          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 099 (091.4)     | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | AKASI               | 092 (083.8)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 5000                  | —                     | -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<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              | CANDY               | —        | —               | -7.9               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 323 (315.4)     | -7.9               | 33.2          | —              | +7000         | —            | —              | RNAV1                    |
| 003           | TF              | AKASI               | —        | 045 (037.2)     | -7.9               | 24.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | MAIKO               | —        | 092 (083.8)     | -7.9               | 12.0          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | (091.4)         | -7.9               | 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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | AKASI               | 092 (083.8)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 5000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

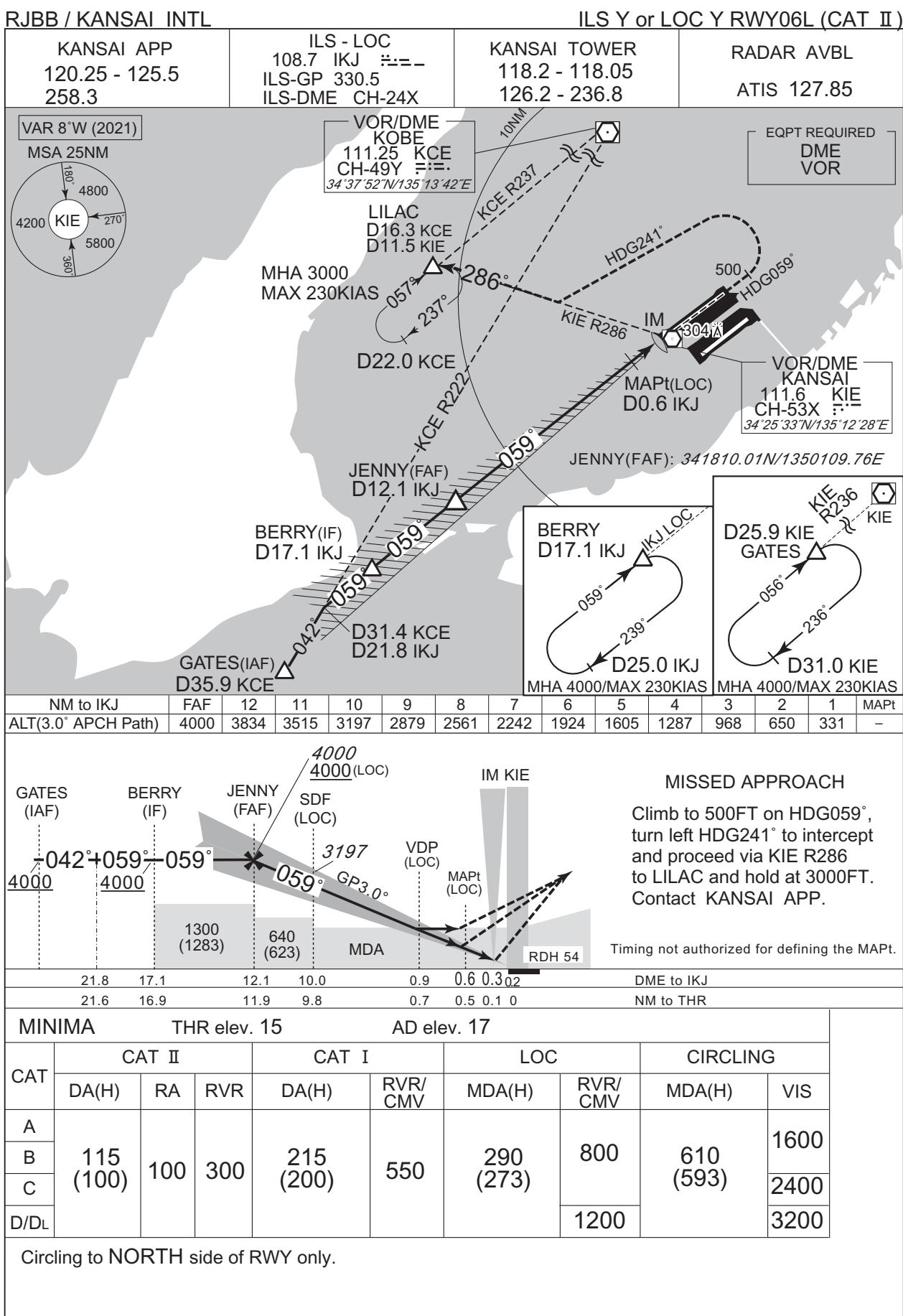
CHANGE : VAR. Critical DME.

INSTRUMENT APPROACH CHART

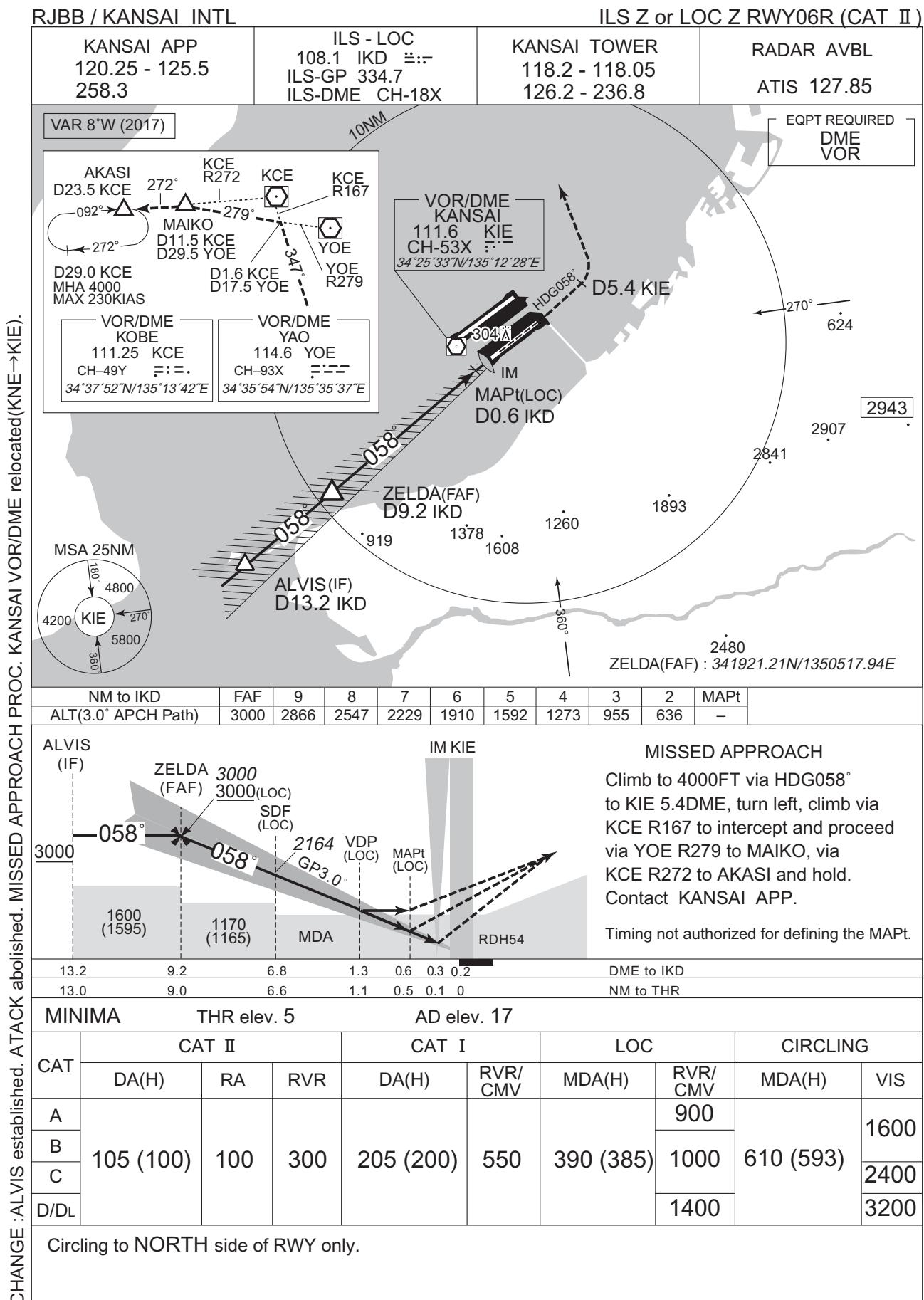


## INSTRUMENT APPROACH CHART

CHANGE : MISSED APPROACH PROC. HDG pattern(GATES) KANSAI VOR/DME relocated(KNE→KIE).

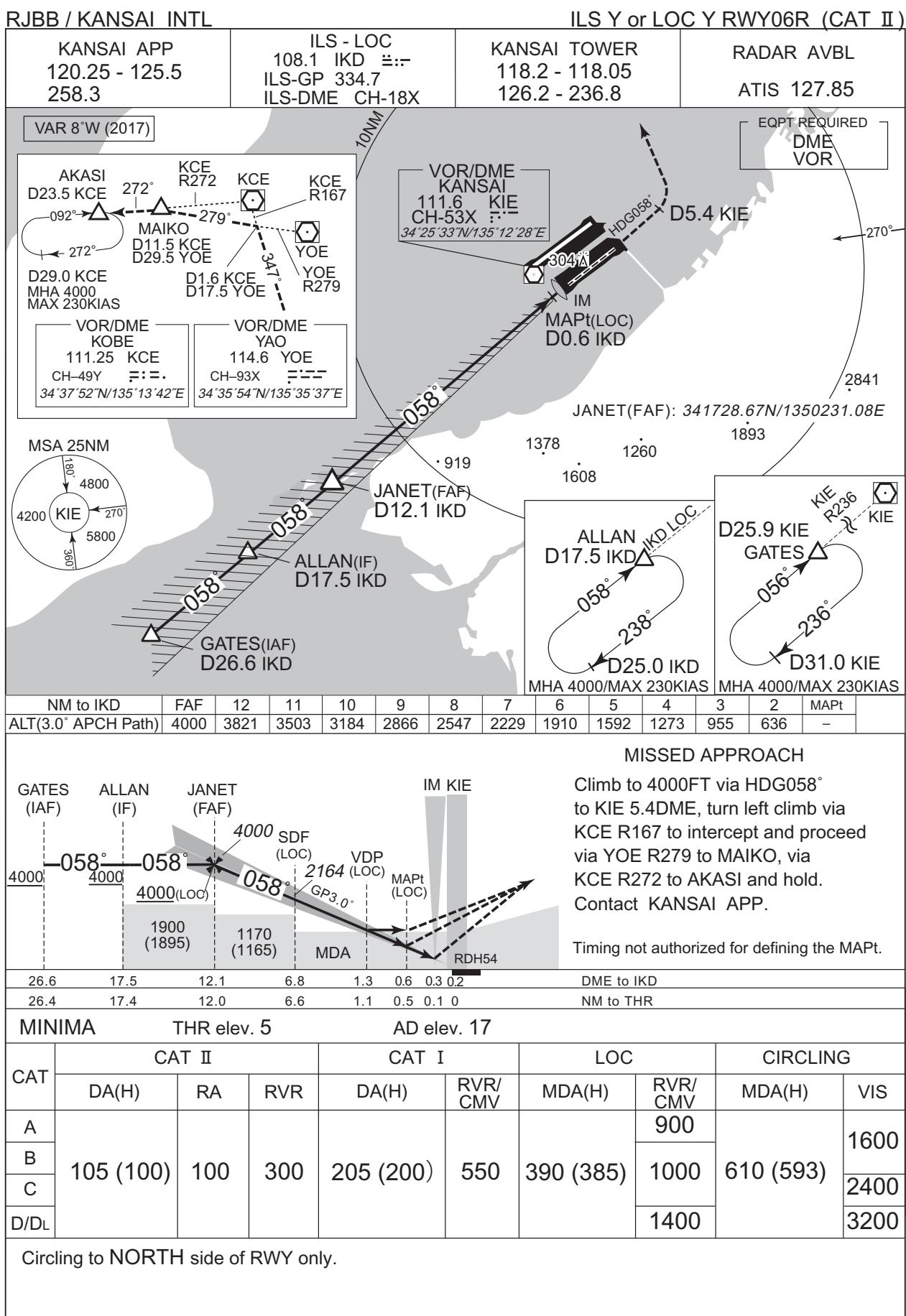


INSTRUMENT APPROACH CHART

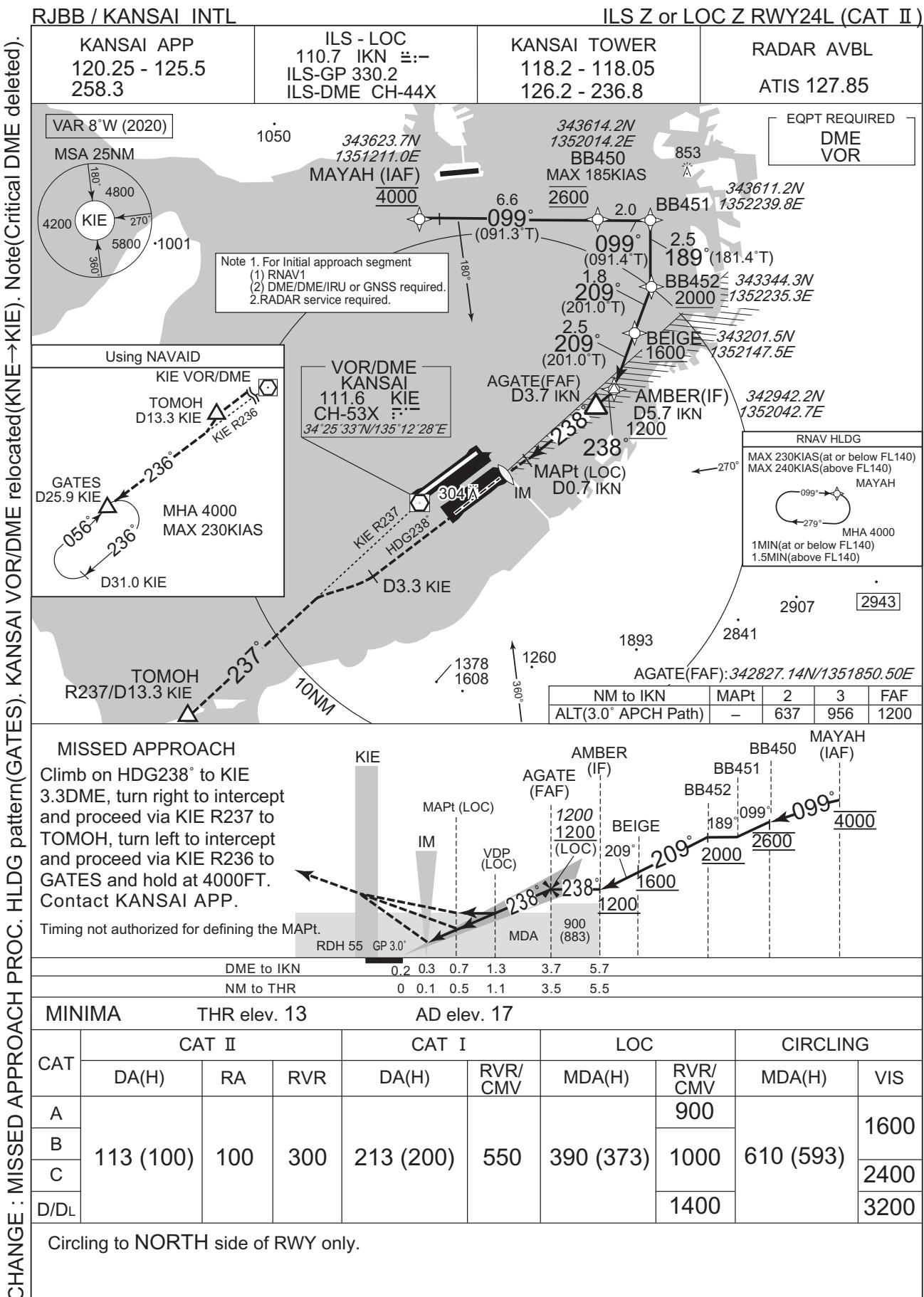


## INSTRUMENT APPROACH CHART

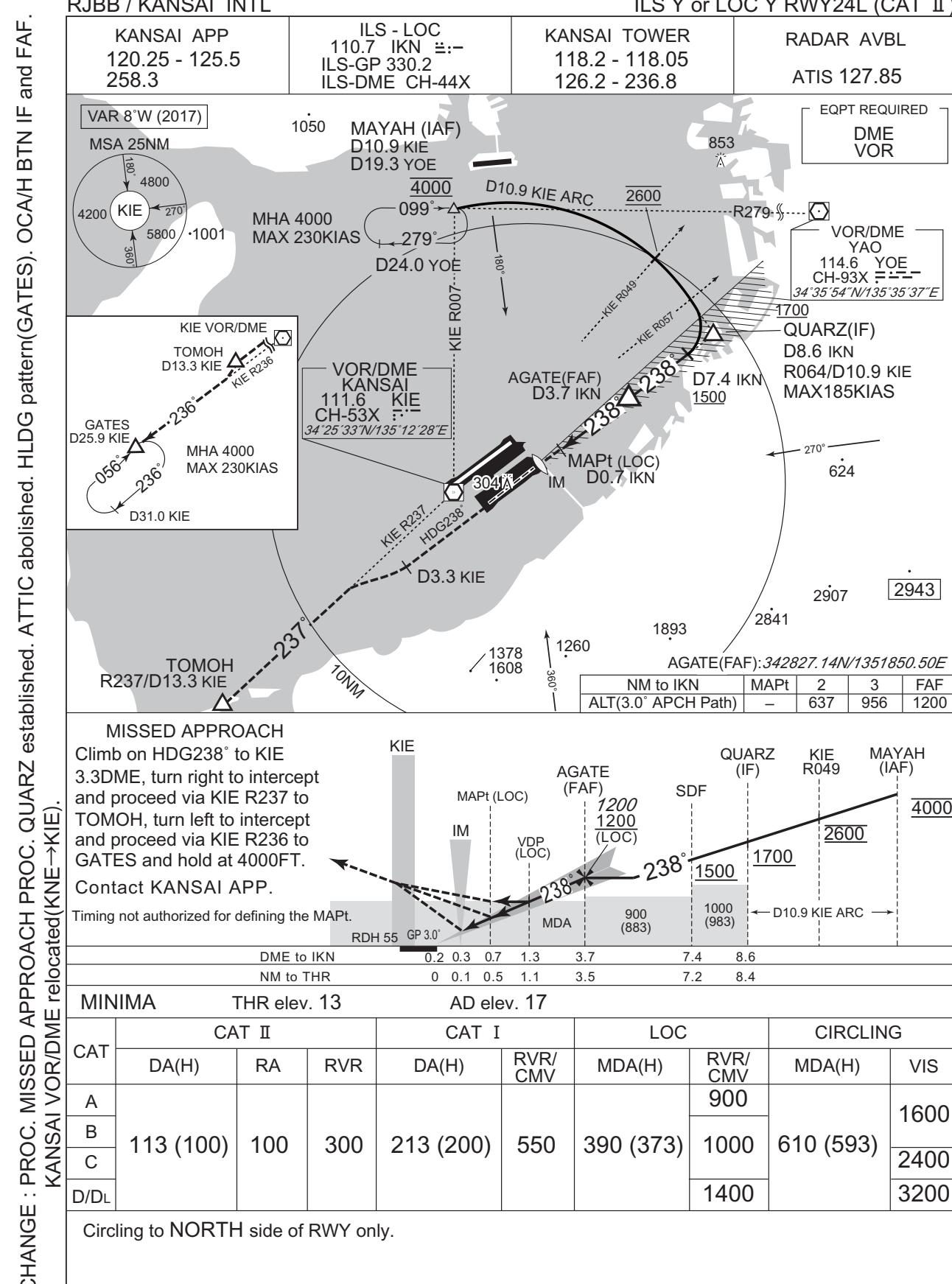
CHANGE : MISSED APPROACH PROC. HLDG pattern(GATES).



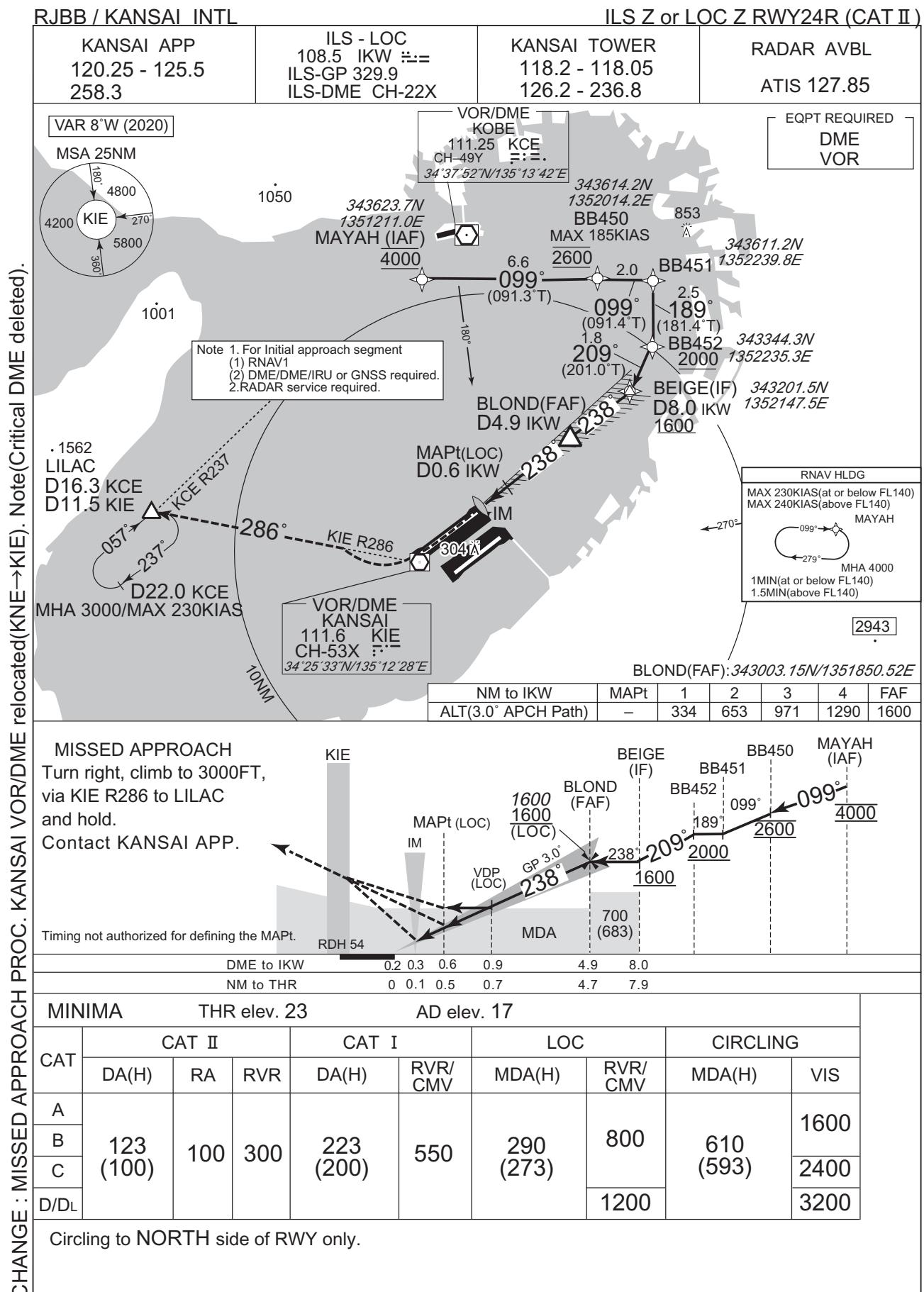
INSTRUMENT APPROACH CHART



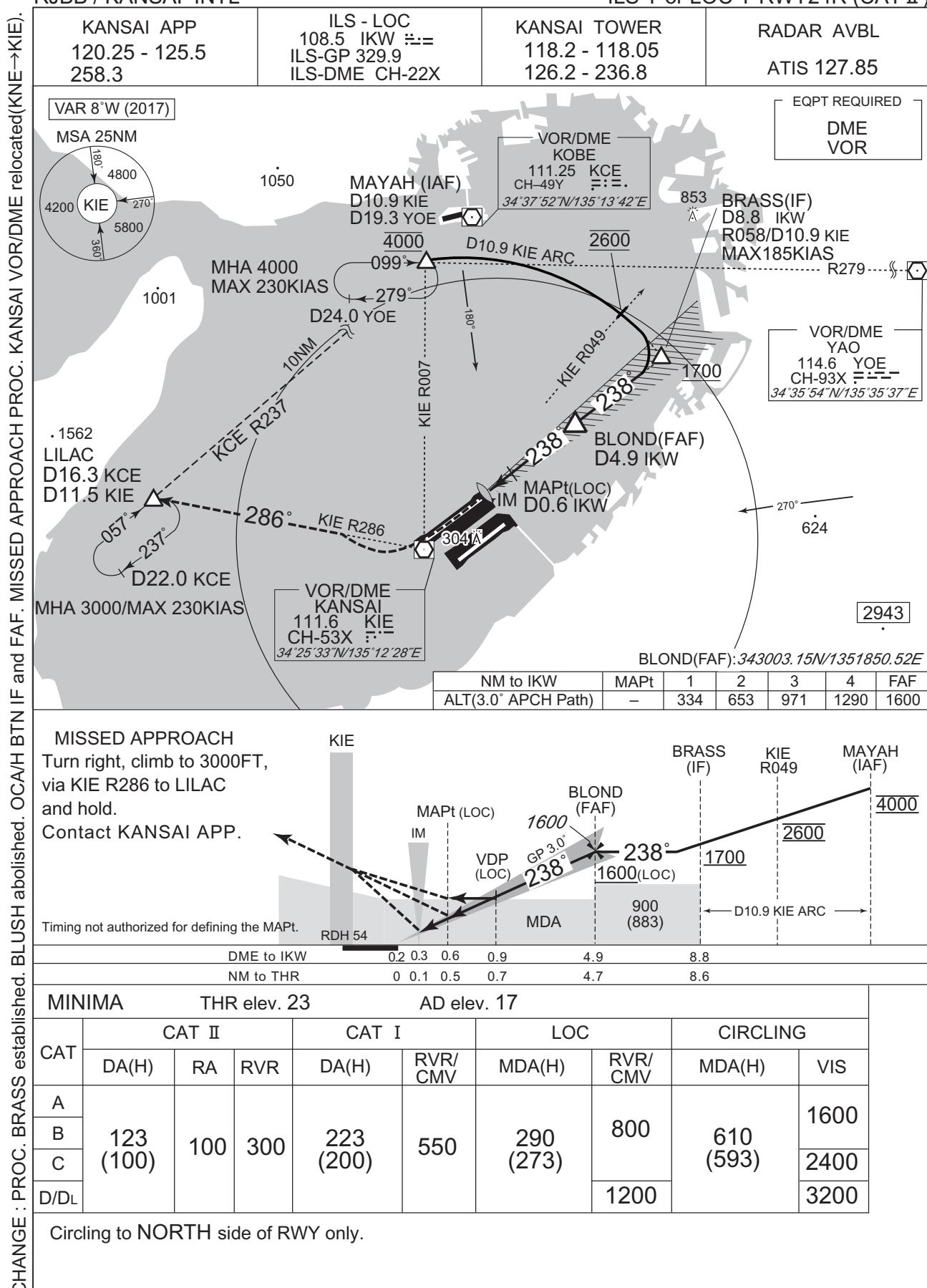
## INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

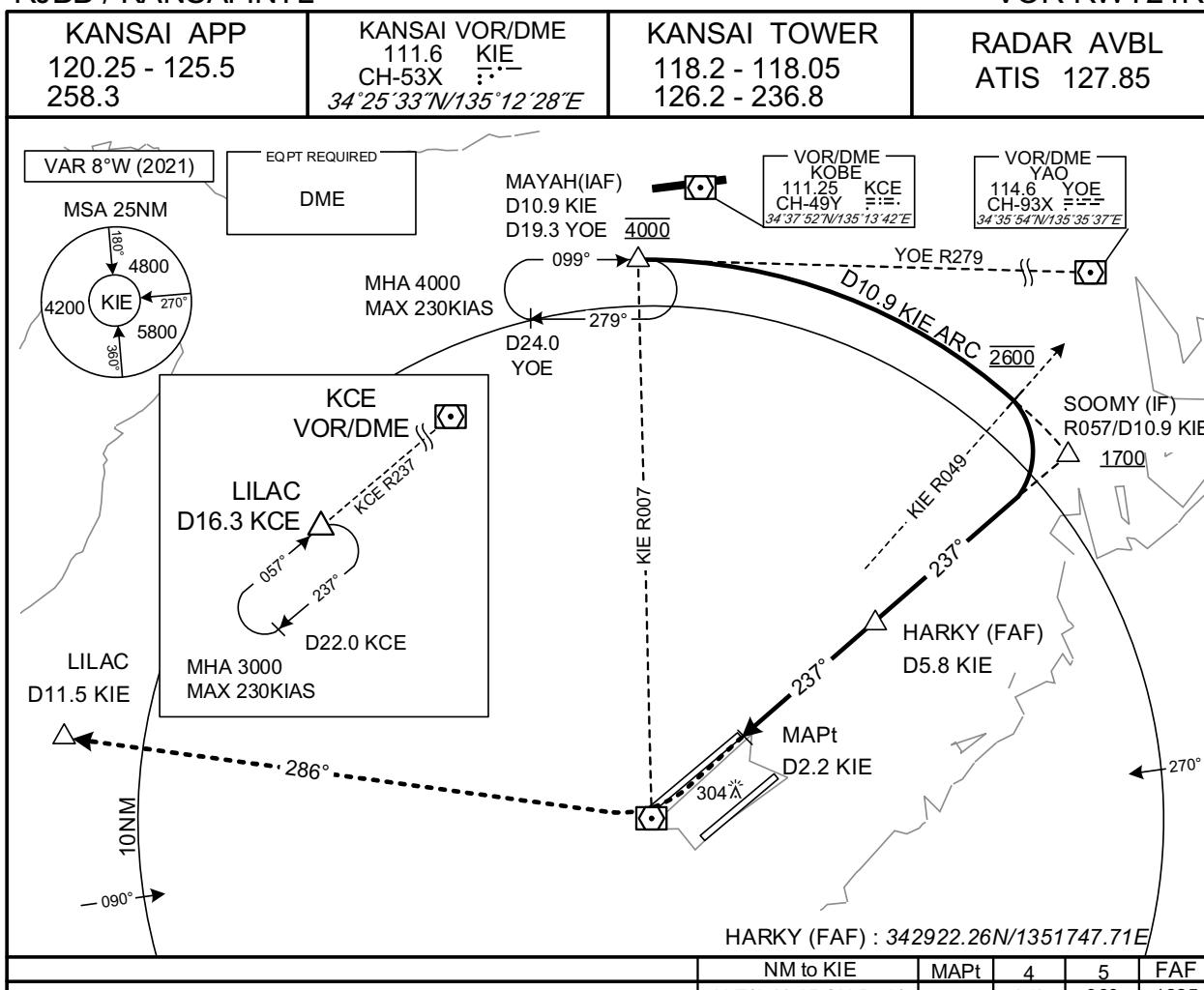
VOR RWY06L



## INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

VOR RWY24R

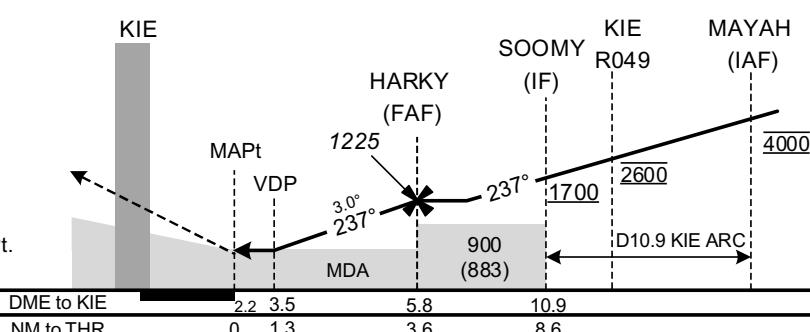


## MISSSED APPROACH

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

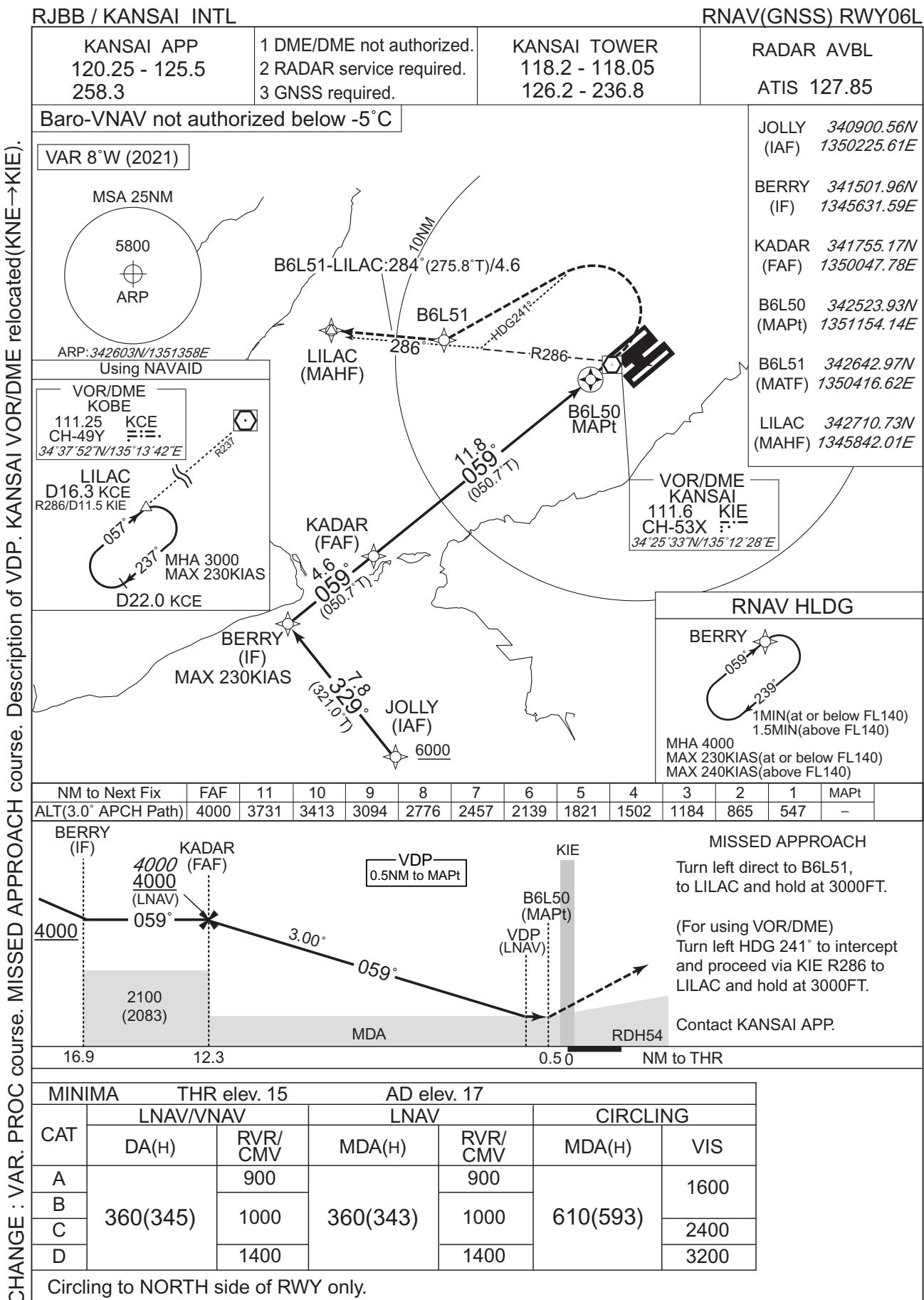
AD elev. 17

CHANGE : New PROC.

| CAT | CIRCLING  |         |        |      |
|-----|-----------|---------|--------|------|
|     | MDA(H)    | RVR/CMV | MDA(H) | VIS  |
| A   | 1000      |         |        |      |
| B   |           |         | 1600   |      |
| C   | 470 (453) | 1200    |        | 2400 |
| D   |           | 1600    |        | 3200 |

Circling to NORTH side of RWY only.

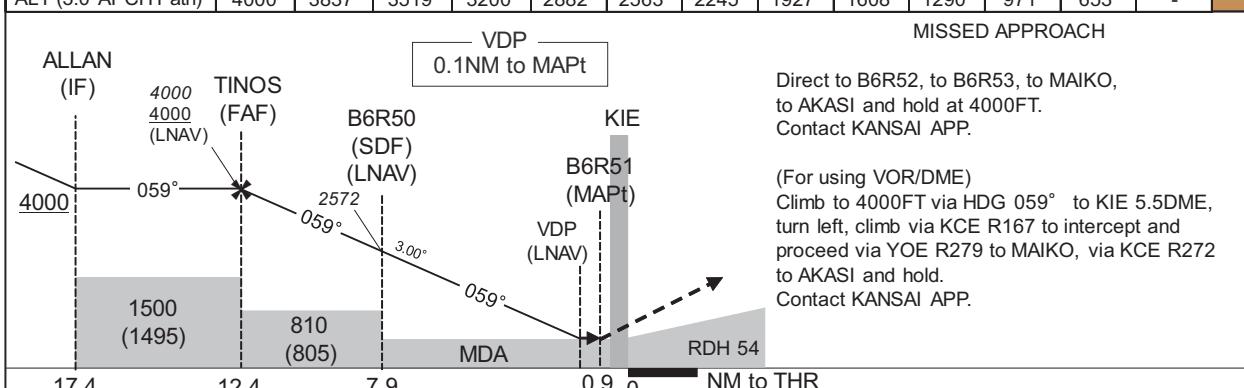
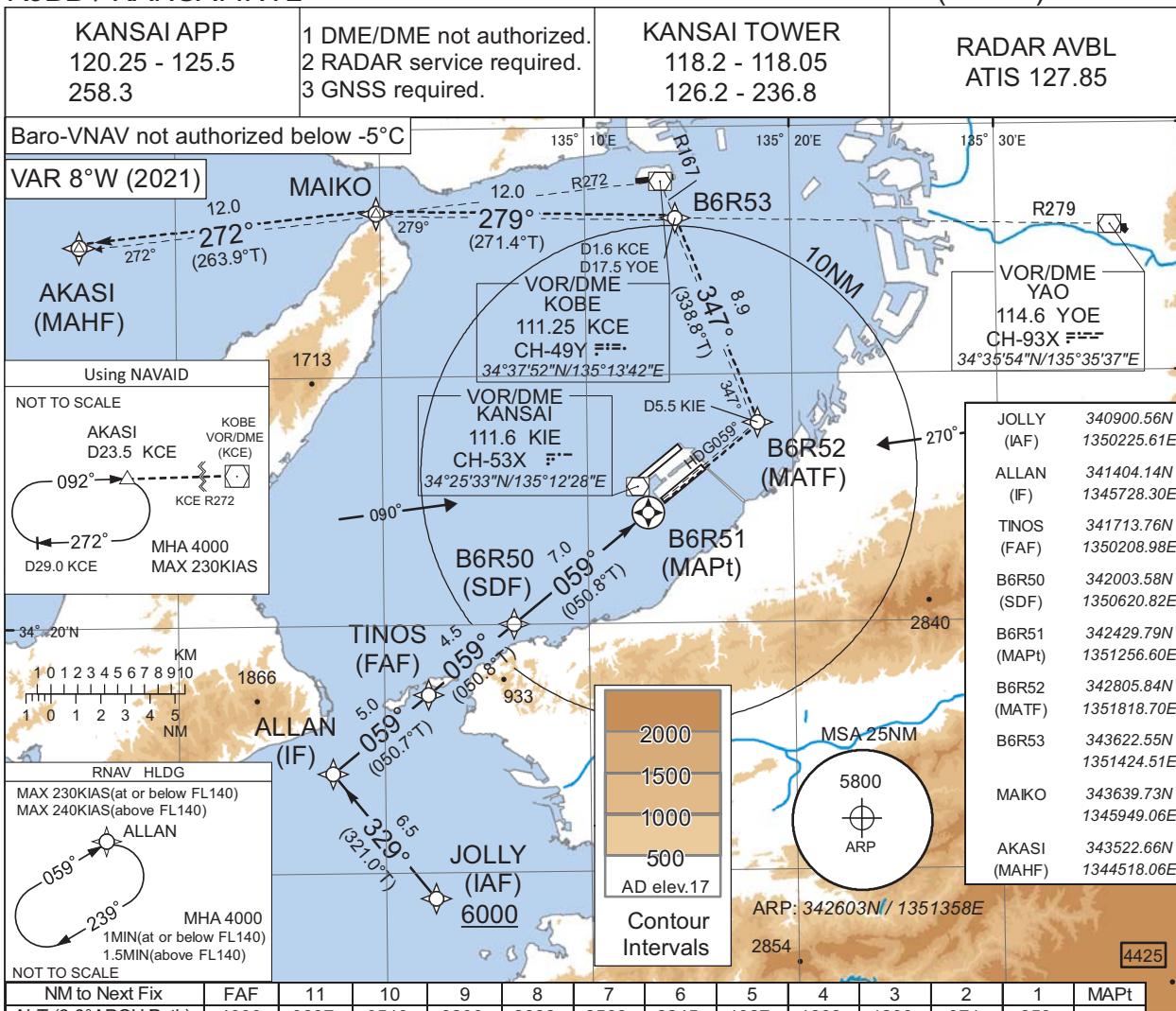
INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

## RJBB / KANSAI INTL

## RNAV(GNSS) RWY06R



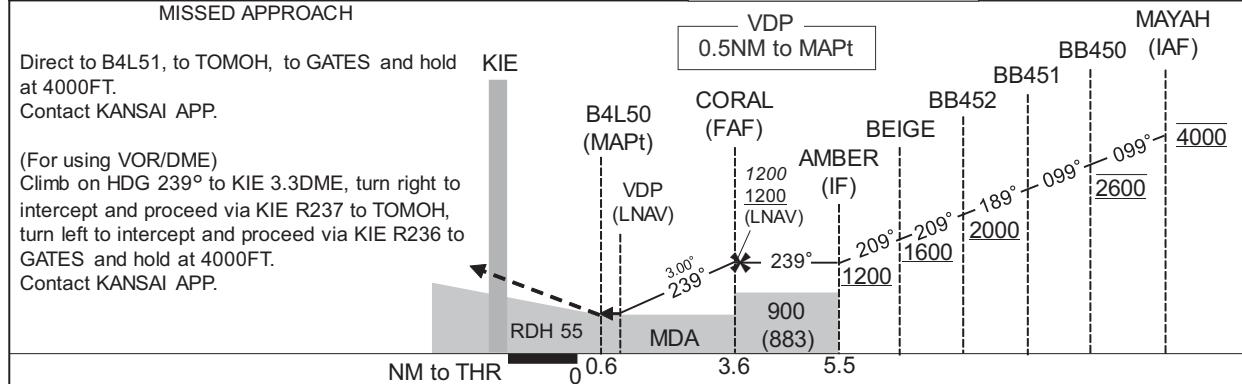
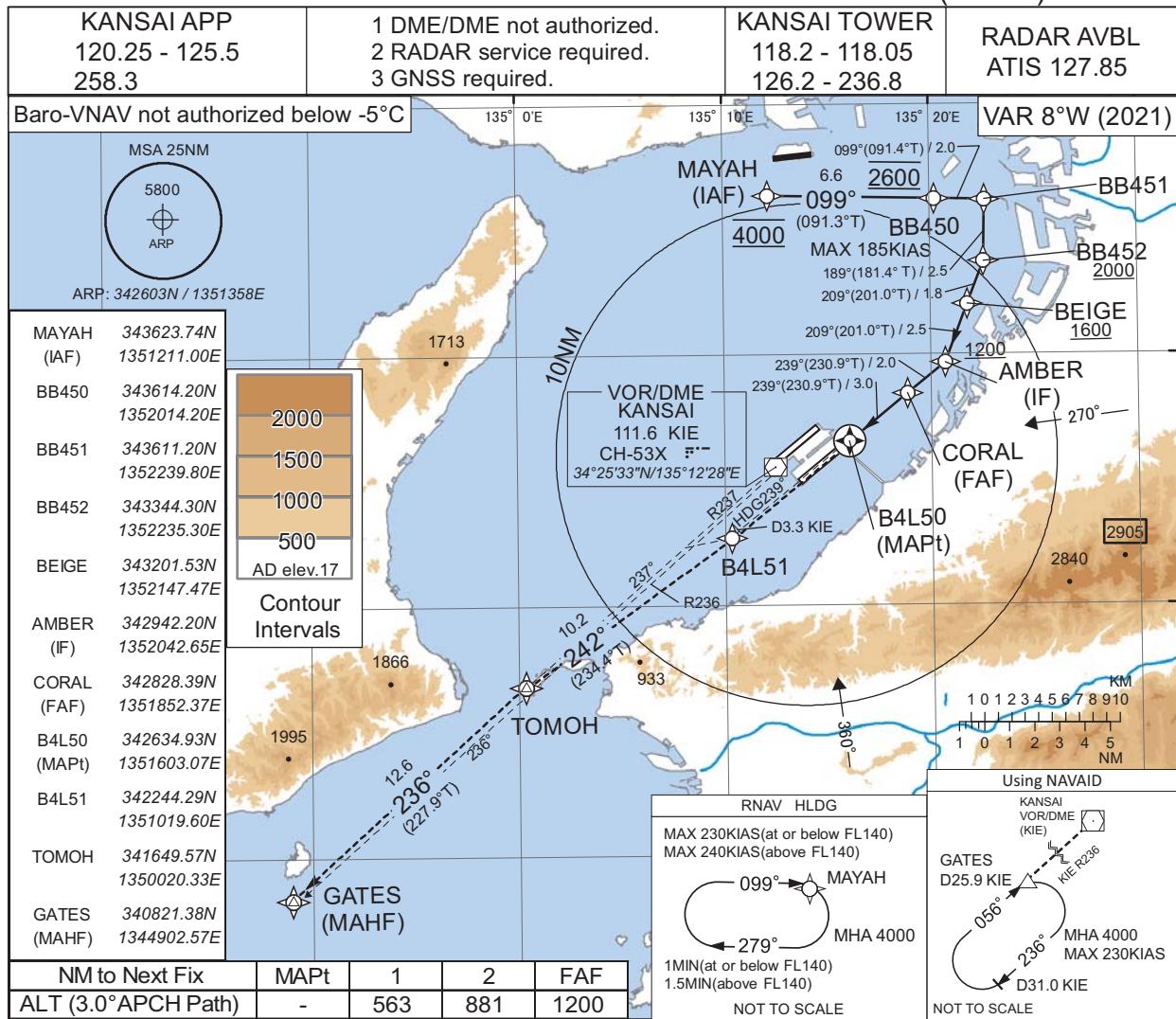
| MINIMA |           | THR elev. 5 |          | AD elev. 17 |          |      |
|--------|-----------|-------------|----------|-------------|----------|------|
| CAT    | LNAV/VNAV |             | LNAV     |             | CIRCLING |      |
|        | DA(H)     | RVR/CMV     | MDA(H)   | RVR/CMV     |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

CHANGE : New PROC  
Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

RNAV(GNSS) RWY24L



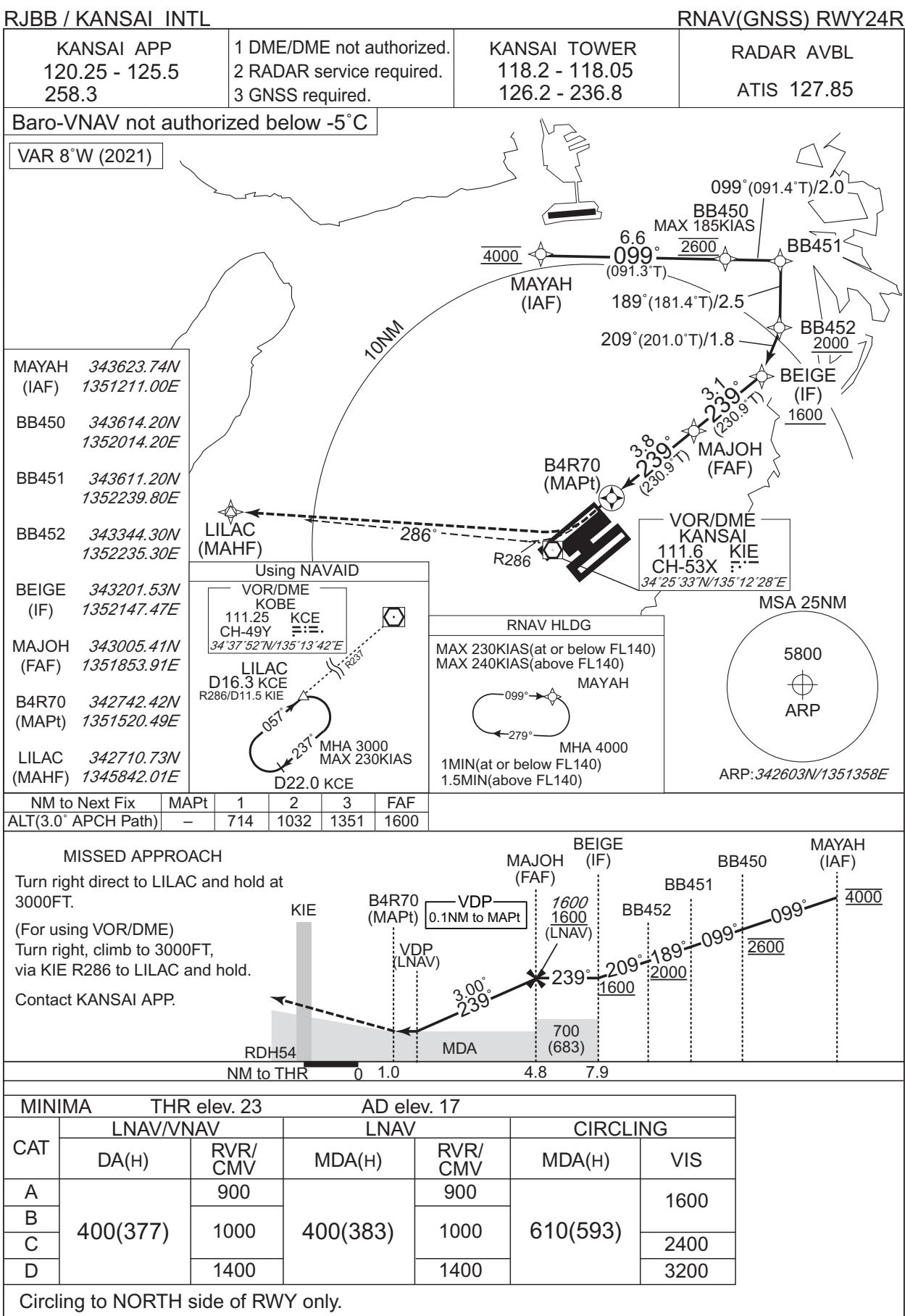
**CHANGE : New PROC:**

| MINIMA |           | THR elev. 13 |          | AD elev. 17 |          |      |
|--------|-----------|--------------|----------|-------------|----------|------|
| CAT    | LNAV/VNAV |              | LNAV     |             | CIRCLING |      |
|        | DA(H)     | RVR/CMV      | MDA(H)   | RVR/CMV     | MDA(H)   | VIS  |
| A      |           | 900          |          | 900         |          | 1600 |
| B      | 400(387)  | 1000         | 400(383) | 1000        | 610(593) | 2400 |
| C      |           |              |          |             |          | 3200 |
| D      |           | 1400         |          | 1400        |          |      |

Circling to NORTH side of RWY only.

## INSTRUMENT APPROACH CHART

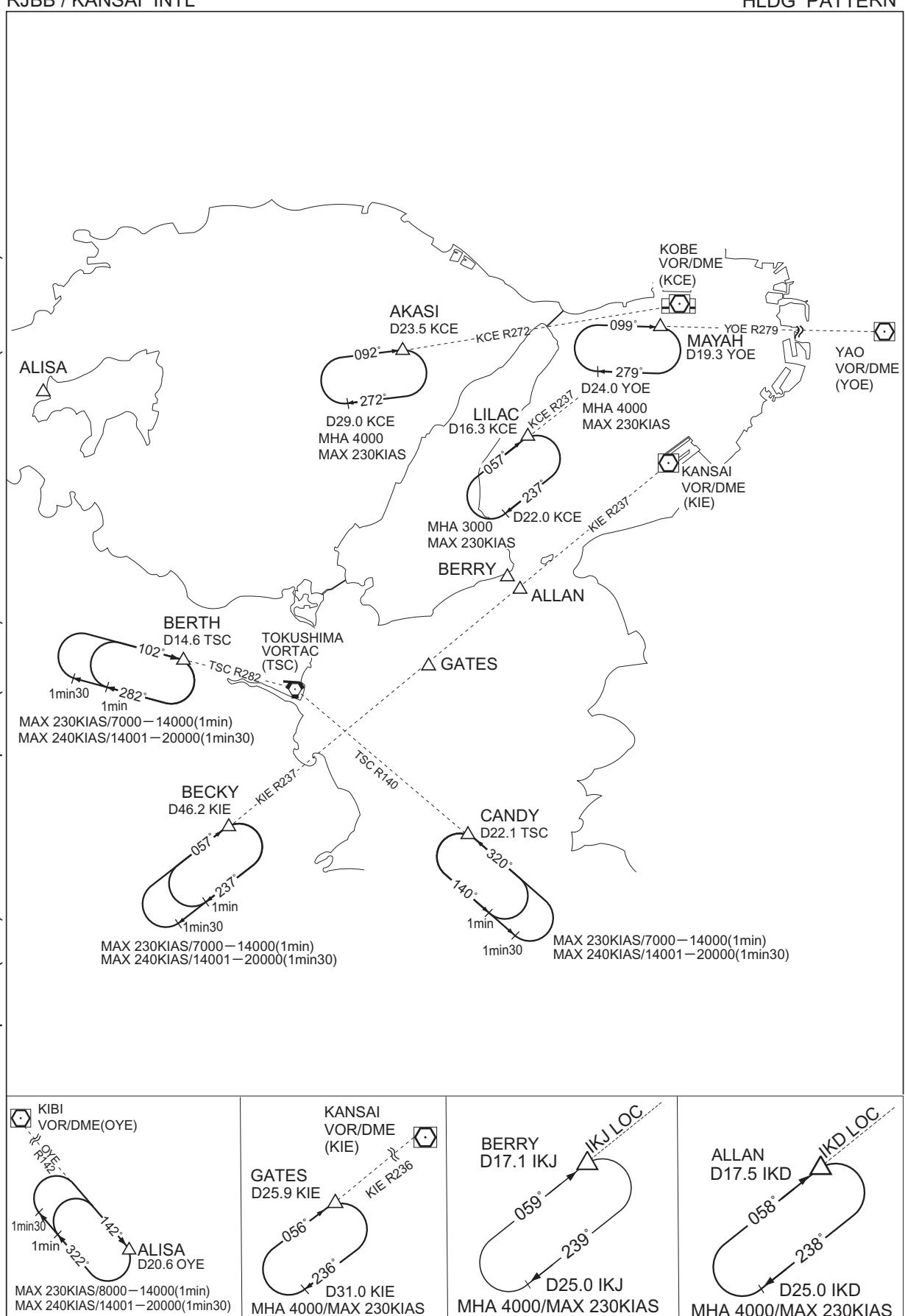
CHANGE : VAR. MISSED APPROACH course. Description of VDP. KANSAI VOR/DME relocated(KNE→KIE).



RJBB / KANSAI INTL

HLDG PATTERN

CHANGE : Radial FM KIE. HLDG pattern(KNE) abolished. HLDG pattern(GATES). KANSAI VOR/DME relocated(KNE→KIE).



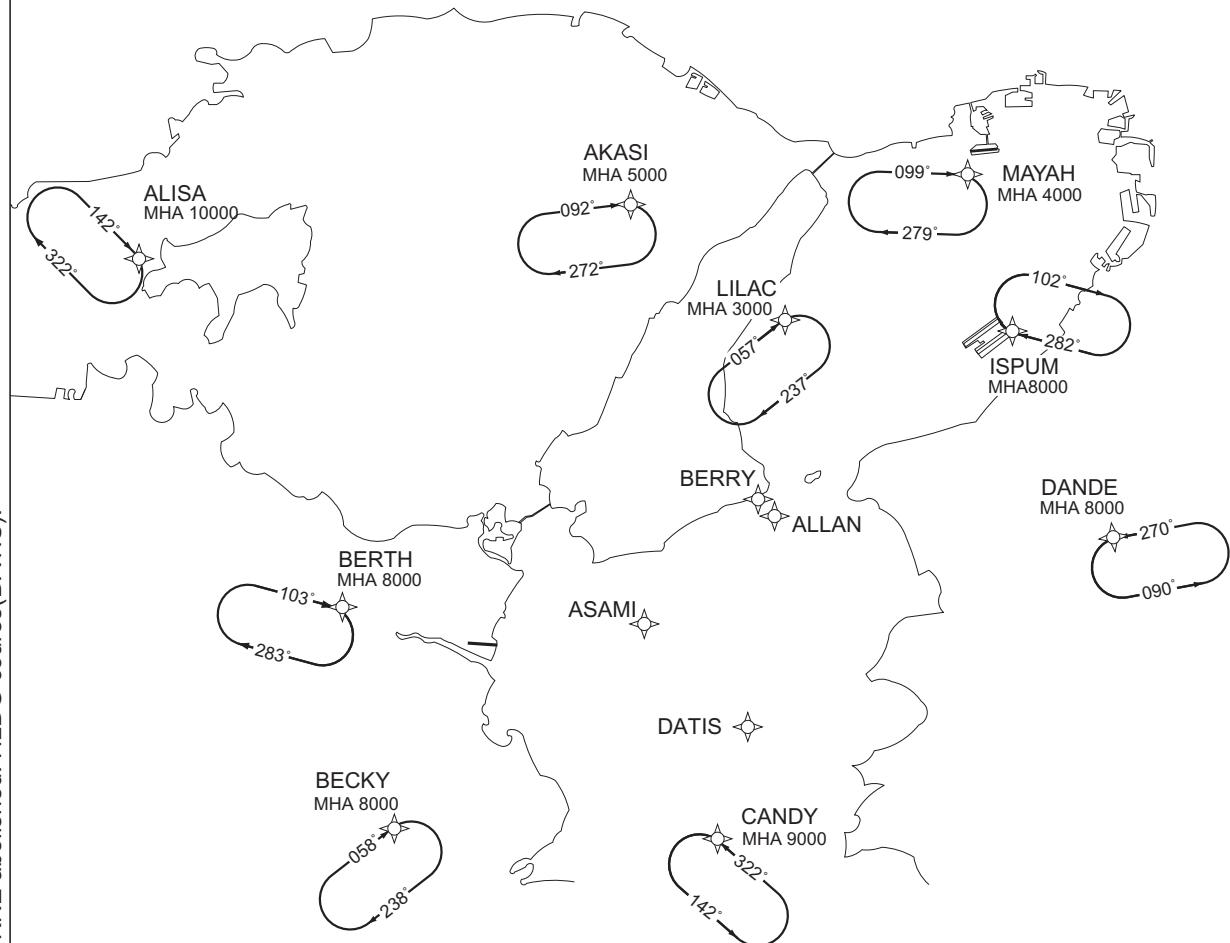
## RJBB / KANSAI INTL

## RNAV HLDG PATTERN

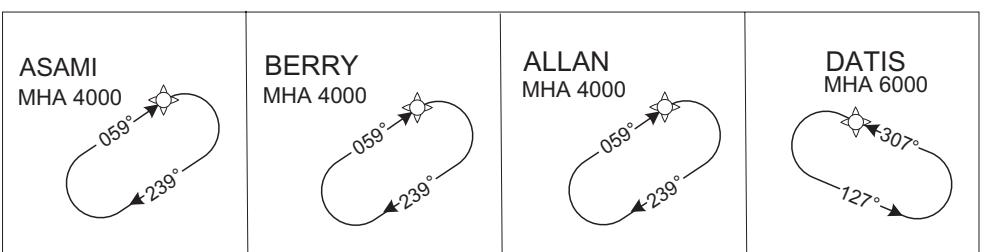
Note 1)DME/DME/IRU or GNSS required.  
2)RADAR service required.

RNAV1

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



CHANGE : HLDG pattern(ISPUM) established. KNE abolished. HLDG course(DATIS).



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)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 5000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ALISA               | 142 (134.0)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 10000                 | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ALLAN               | 059 (050.8)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ASAMI               | 059 (050.7)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | BECKY               | 058 (050.2)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | BERRY               | 059 (050.8)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | BERTH               | 103 (095.4)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | CANDY               | 322 (313.8)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 9000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | DANDE               | 270 (262.6)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | DATIS               | 307 (298.6)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | L              | 6000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | ISPUM               | 282 (274.2)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 8000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | LILAC               | 057 (049.2)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 3000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |
| Hold | MAYAH               | 099 (091.3)           | -7.9               | 1.0(-14000)<br>1.5(+14001) | —                      | R              | 4000                  | —                     | -230(-14000)<br>-240(+14001) | RNAV1                    |

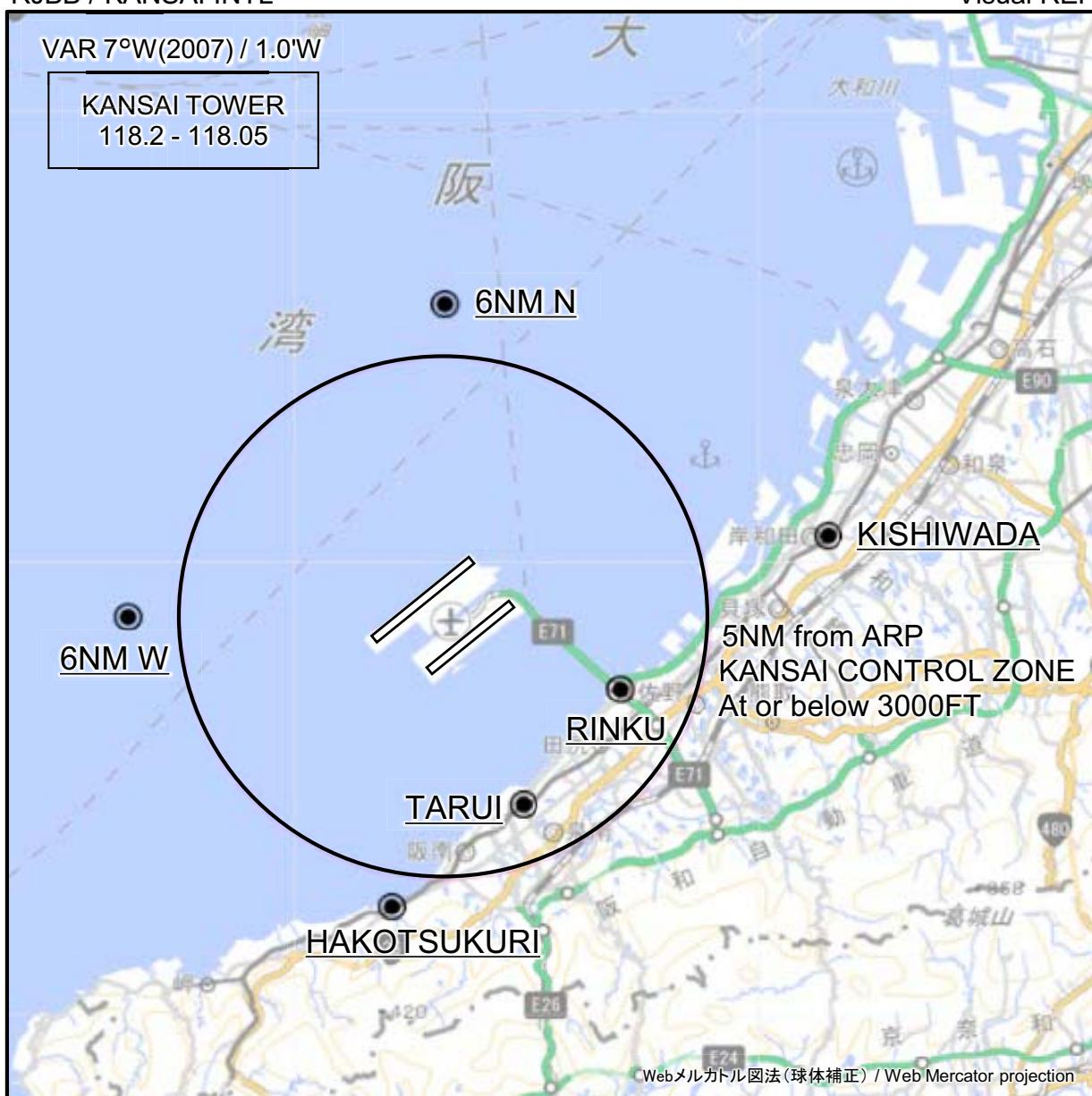
CHANGE : VAR. HLDG pattern(ISPUM) established. HLDG course(DATIS) .Waypoint coordinate(ISPUM) added.

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 | ISPUM               | 342548.3N/1351506.4E |
| BECKY               | 335509.0N/1343030.6E | LILAC               | 342710.7N/1345842.0E |
| BERRY               | 341502.0N/1345631.6E | MAYAH               | 343623.7N/1351211.0E |
| BERTH               | 340911.4N/1341900.0E |                     |                      |

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).

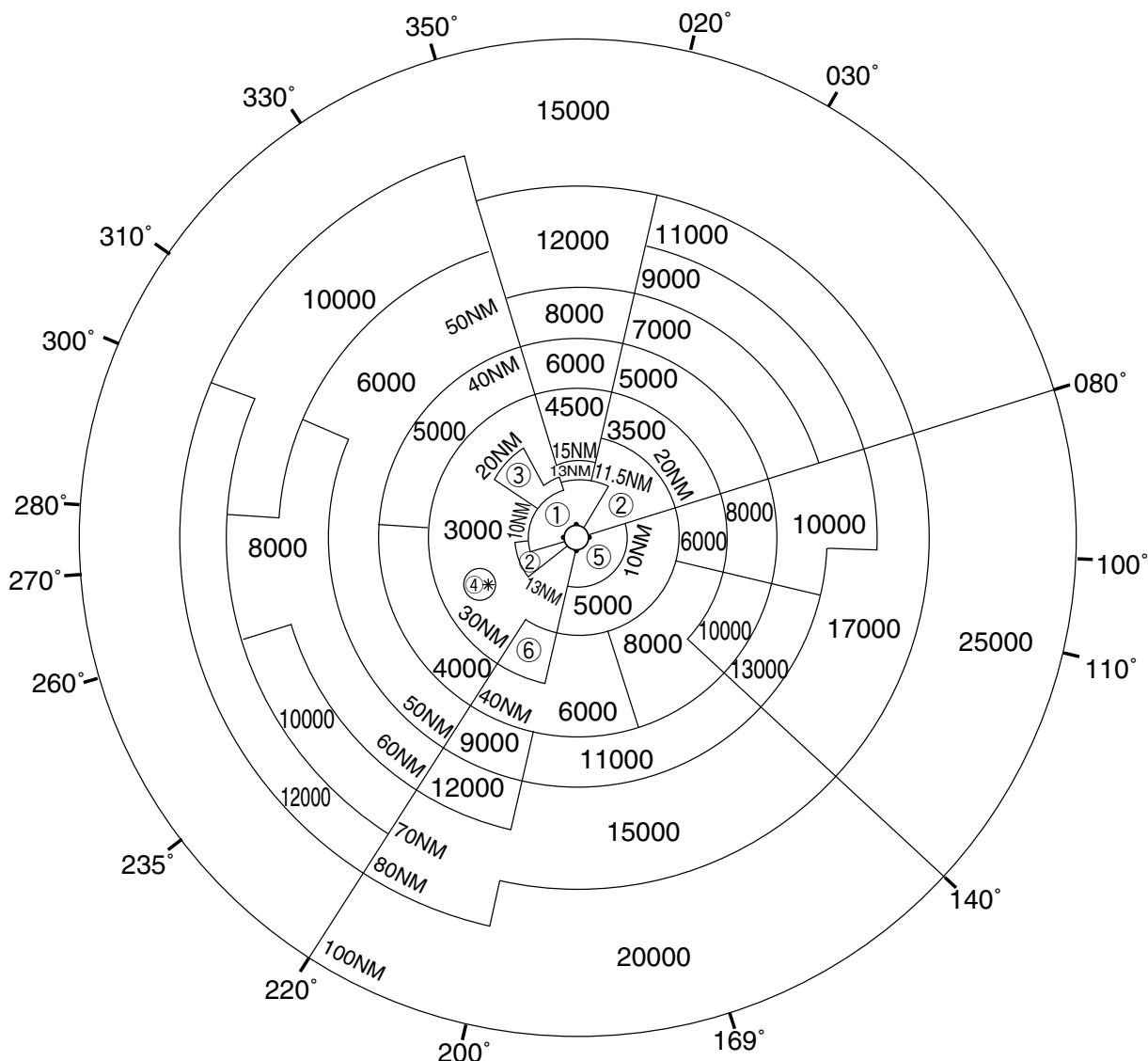
| Call sign         | BRG / DIST from ARP | Remarks              |
|-------------------|---------------------|----------------------|
| 6NM N             | 360°T / 6.0NM       | 海上<br>Over the sea   |
| 岸和田<br>Kishiwada  | 078°T / 7.4NM       | 南海本線・岸和田駅<br>Station |
| 6NM W             | 270°T / 6.0NM       | 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