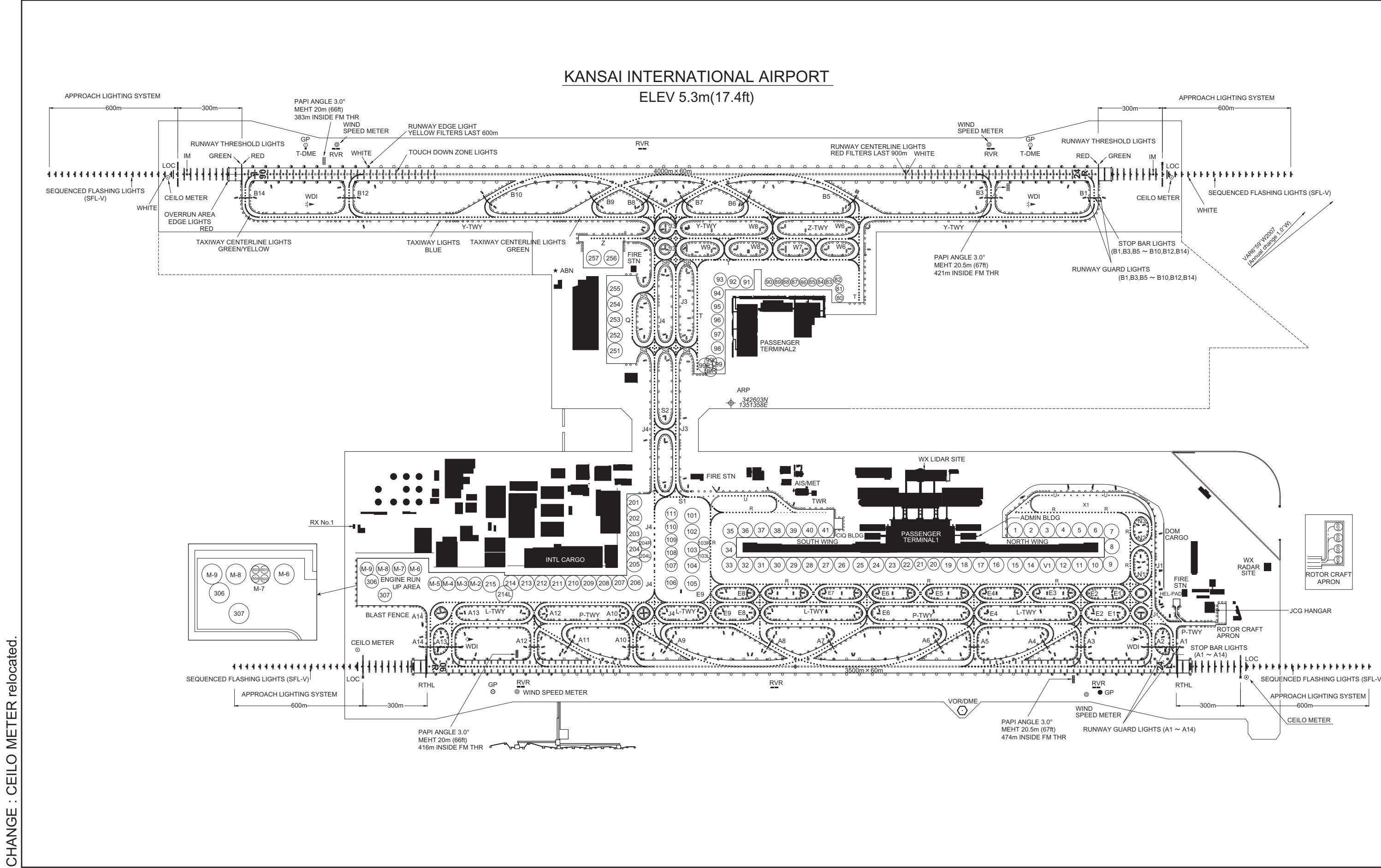
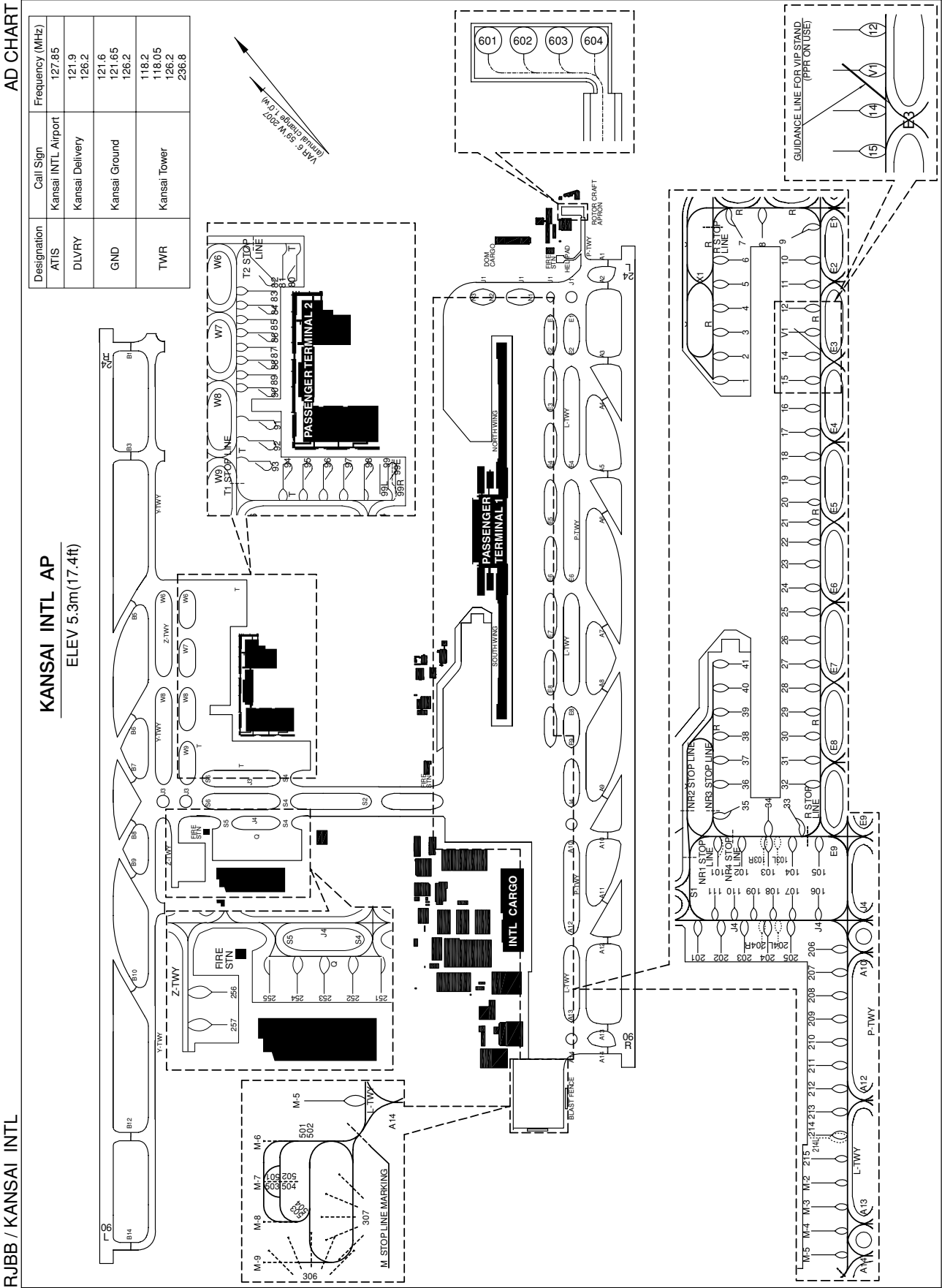
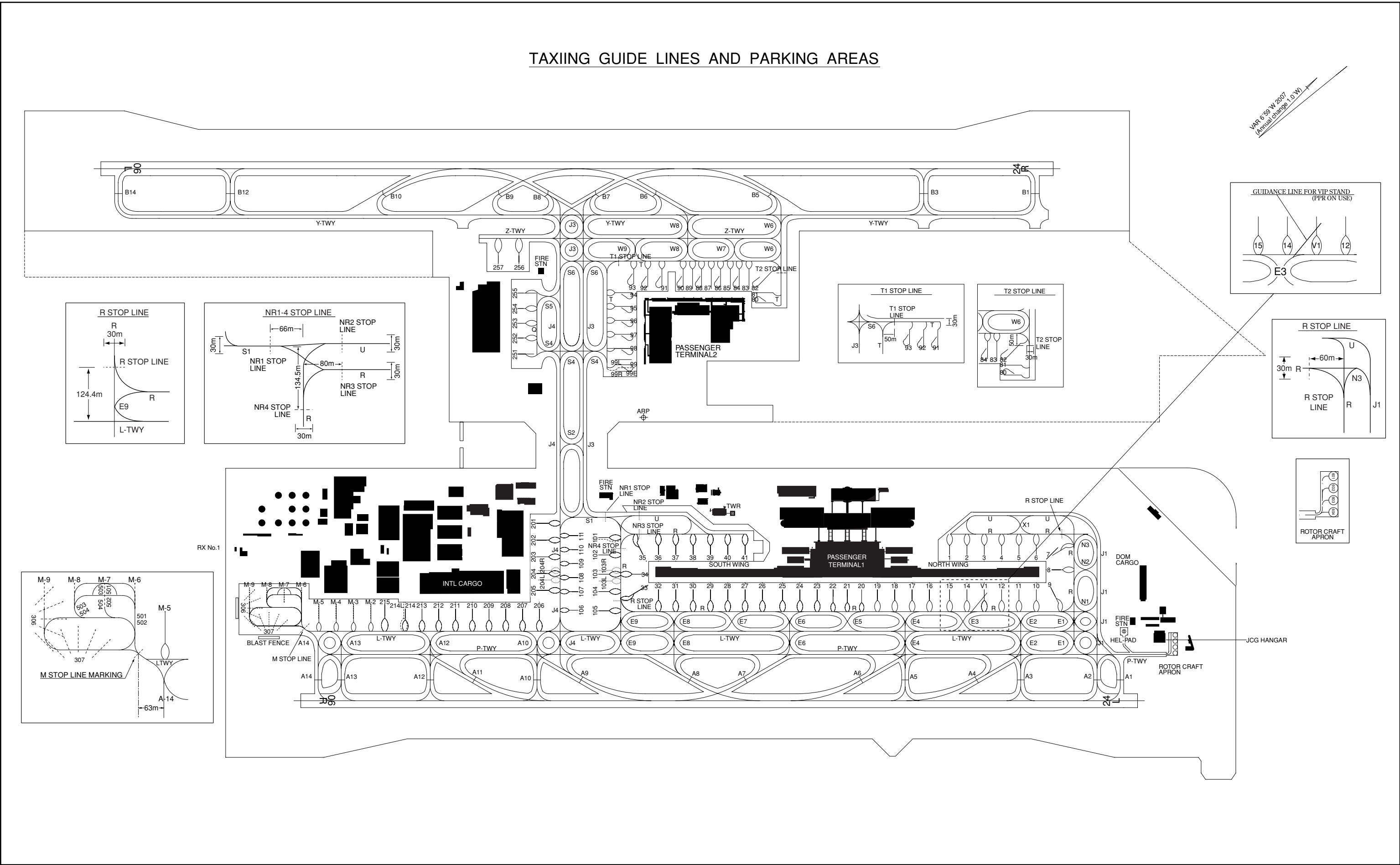


AERODROME CHART





TAXIING GUIDE LINES AND PARKING AREAS

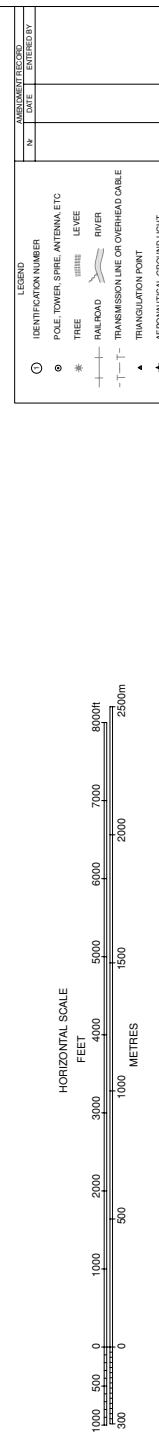
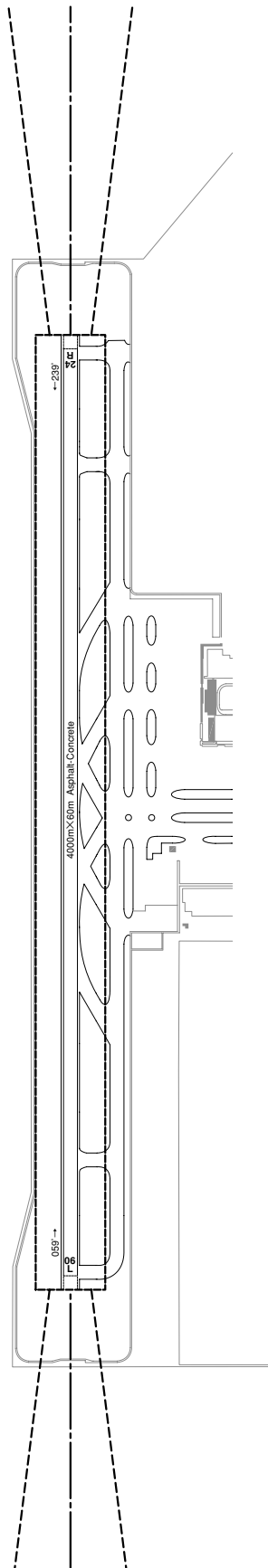
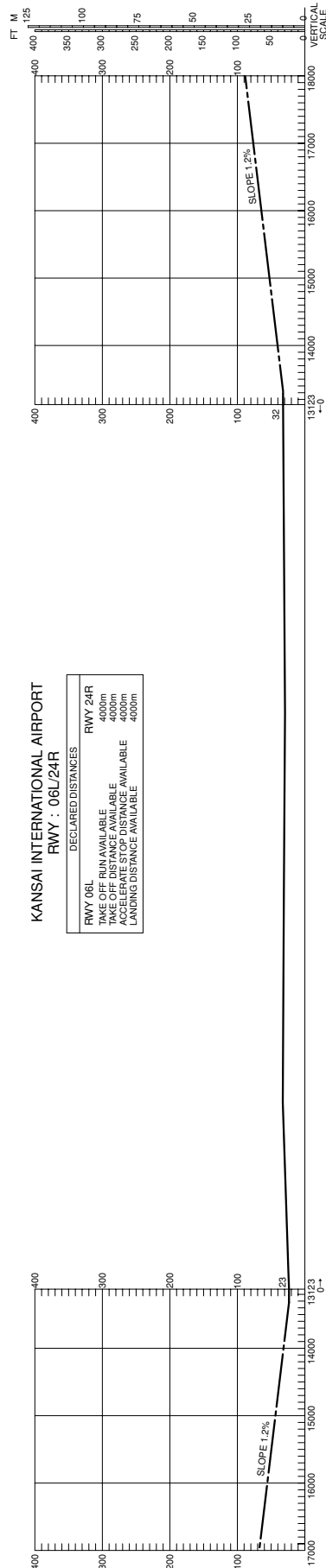


DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC



DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC

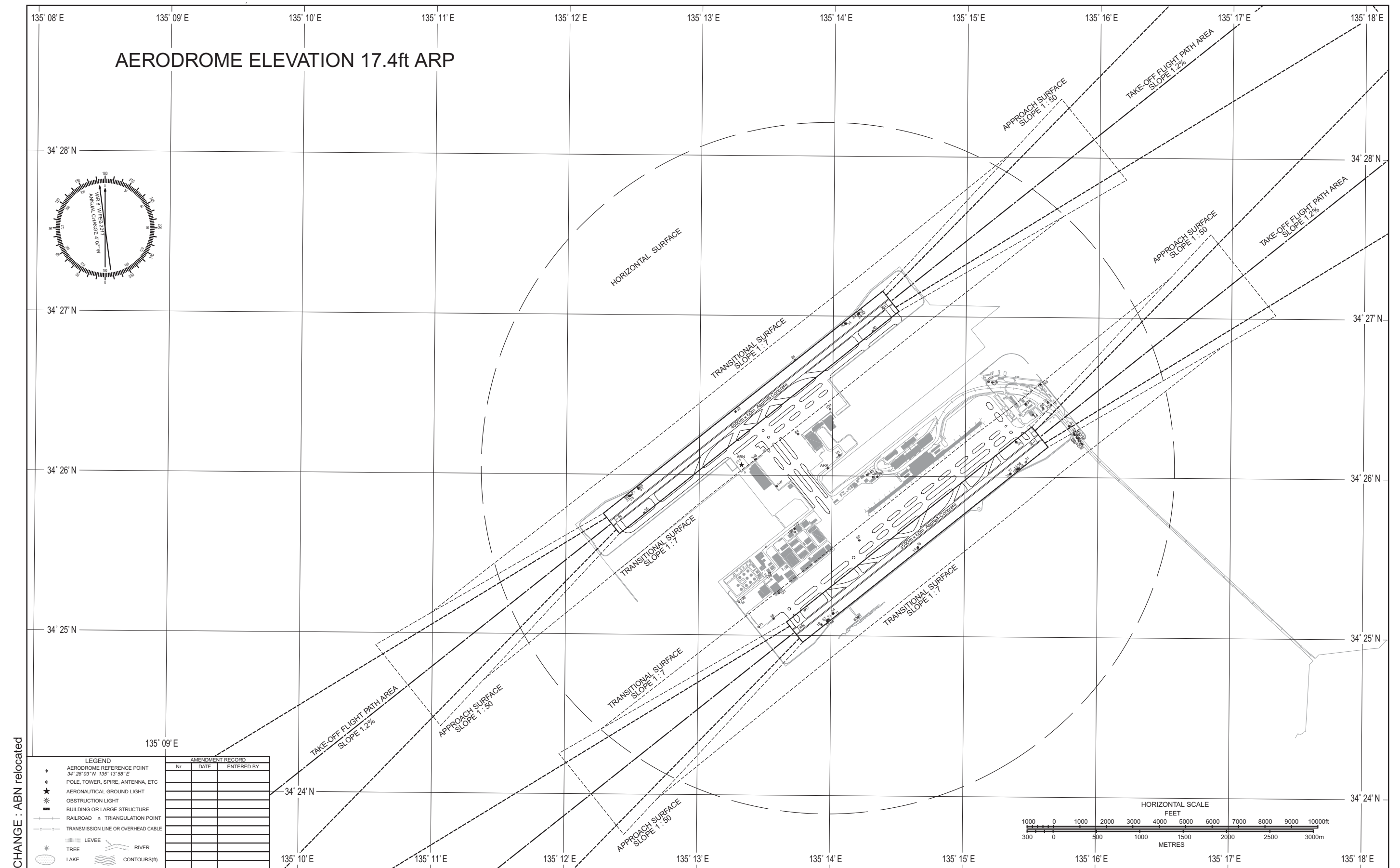
MAGNETIC VARIATION 8° W - FEB 2017



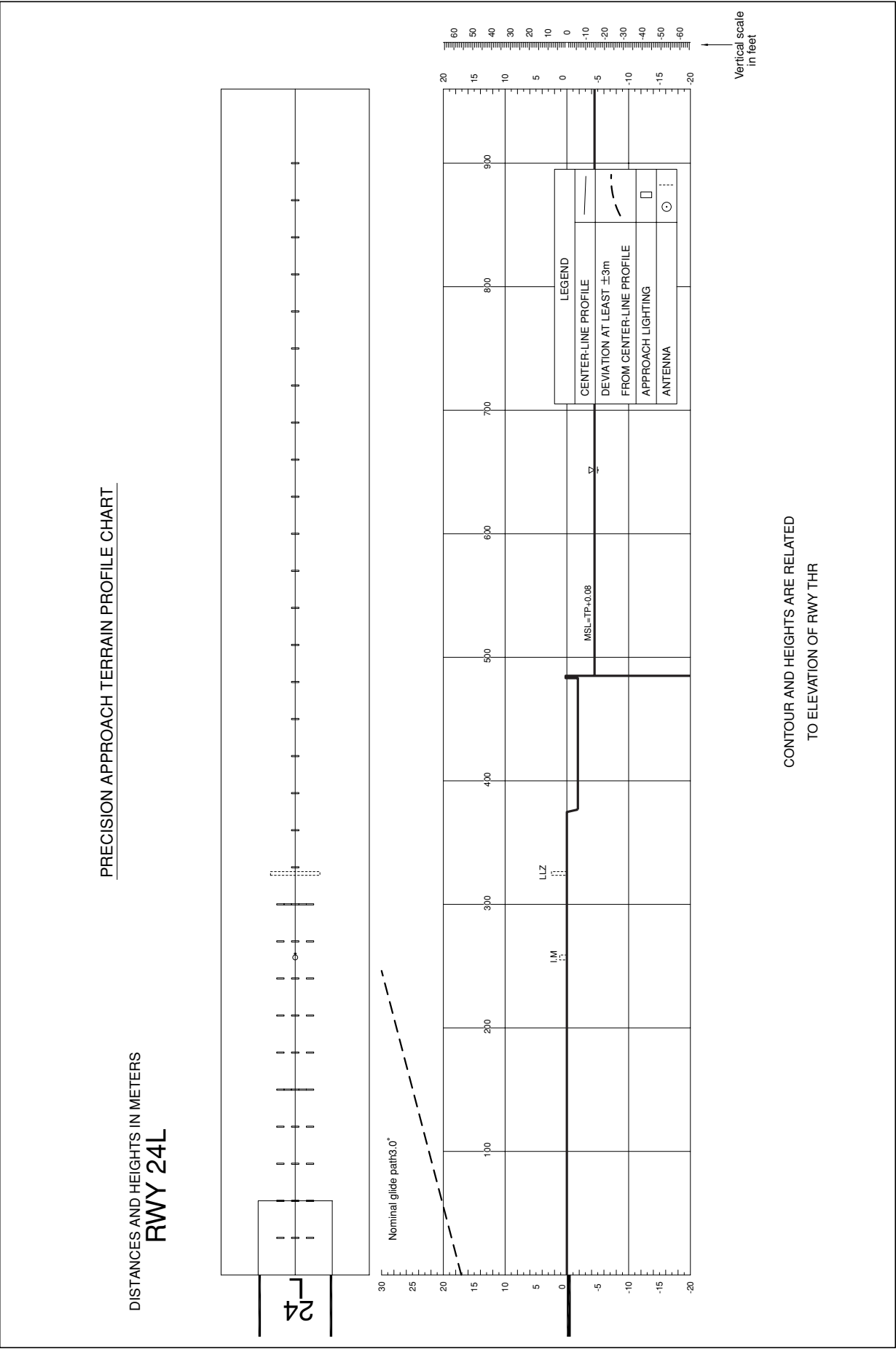
## AERODROME OBSTRUCTION CHART

### TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETICS













## RJBB / KANSAI INTL

SID

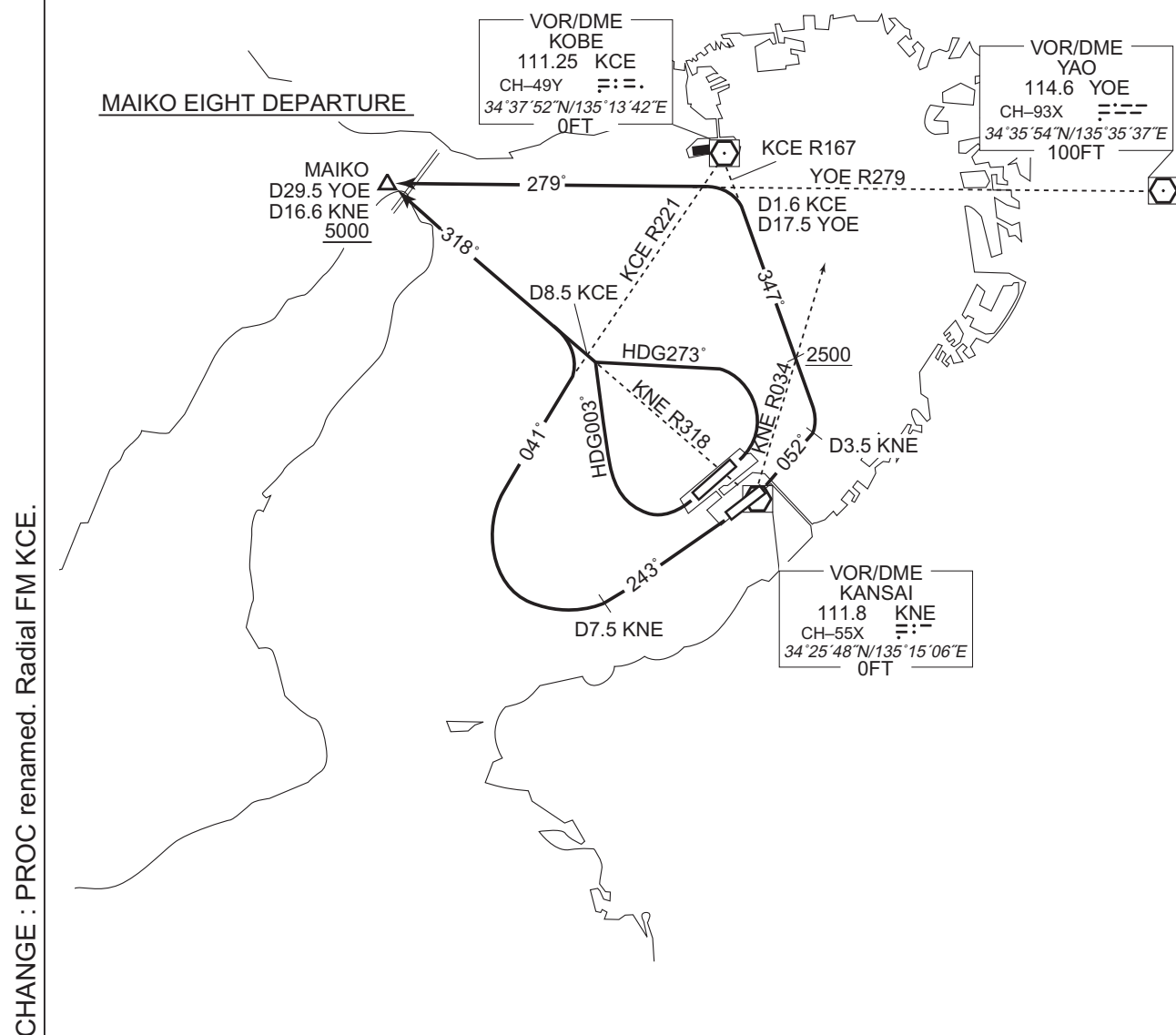
RWY06R: Climb via KNE R052 to 3.5DME, turn left, via KCE R167 to intercept and proceed via YOE R279 to MAIKO.

RWY06L : Turn left, climb on HDG273° to intercept and proceed via KNE R318 to MAIKO,...

RWY24R: Turn right, climb on HDG003° to intercept and proceed via KNE R318 to MAIKO,...

RWY24L : Climb via KNE R243 to 7.5DME, turn right, via KCE R221 to intercept and proceed via KNE R318 to MAIKO,...

...cross MAIKO at or above 5000FT.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

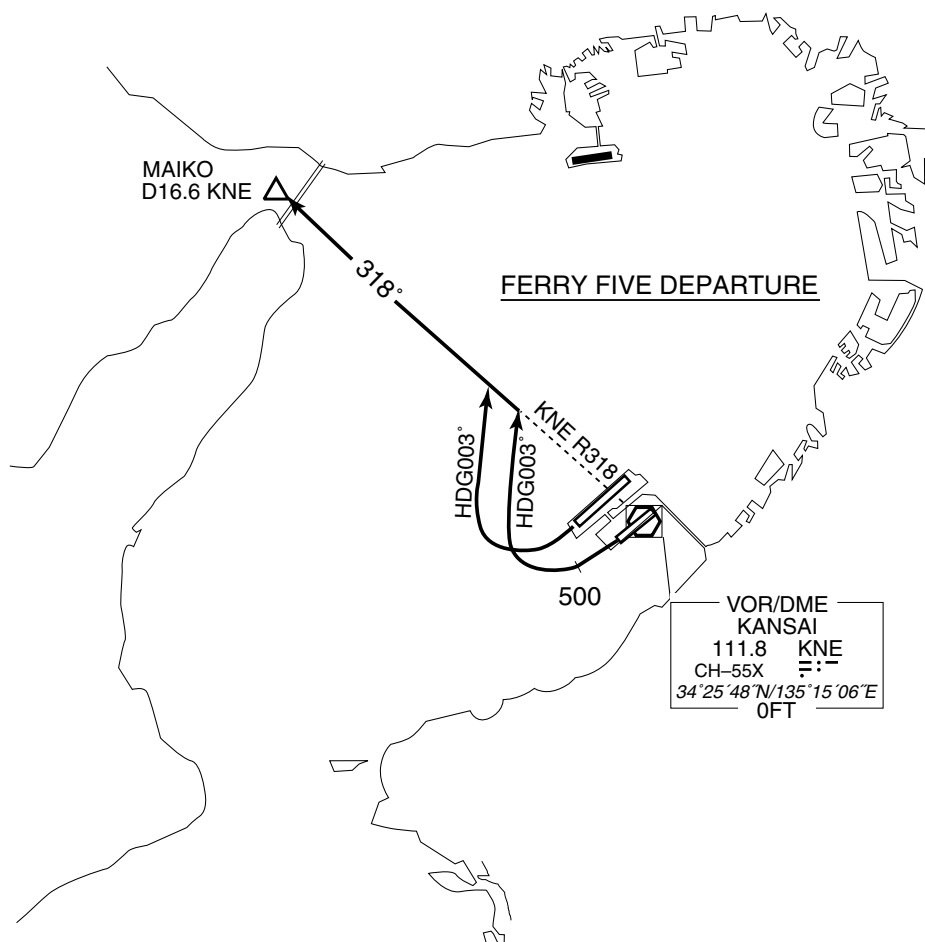
SID

FERRY FIVE DEPARTURE

RWY24R : Turn right, climb on HDG003° to intercept and proceed via KNE R318 to MAIKO.

RWY24L : Climb RWY HDG to 500FT, turn right HDG003° to intercept and proceed via KNE R318 to MAIKO.

Note RWY24L : No turn before DER.



STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

TRANSITION

MIYAZU TRANSITION

From over MAIKO, proceed via KCE R272 to KAWAT, via TSC R001 to CHIZU via AYAYA, via YME R236 to YME VOR/DME.

Cross KAWAT at or above 8000FT.

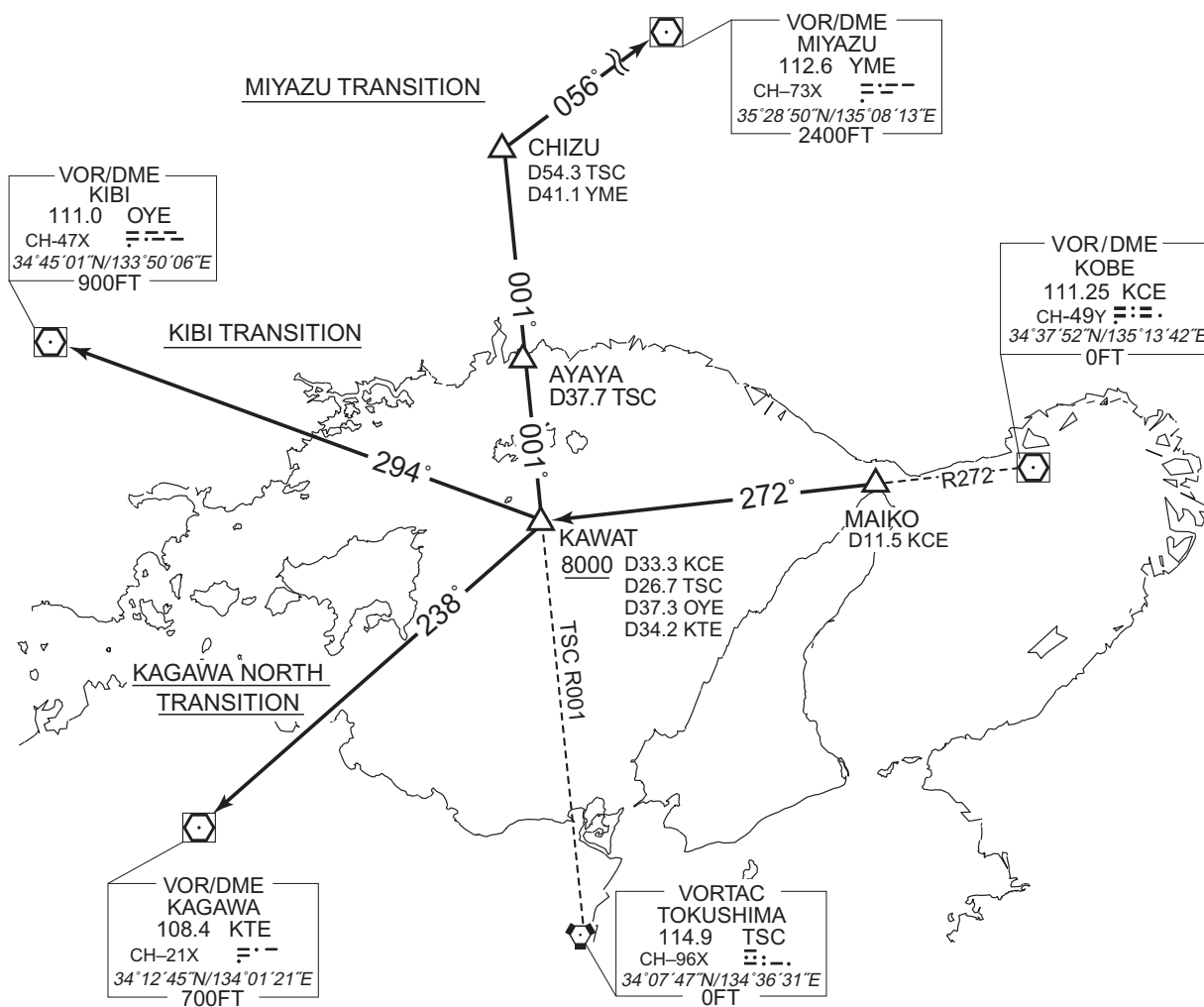
KIBI TRANSITION

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

KAGAWA NORTH TRANSITION

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

CHANGE : Radial FM KCE. AYAYA established.



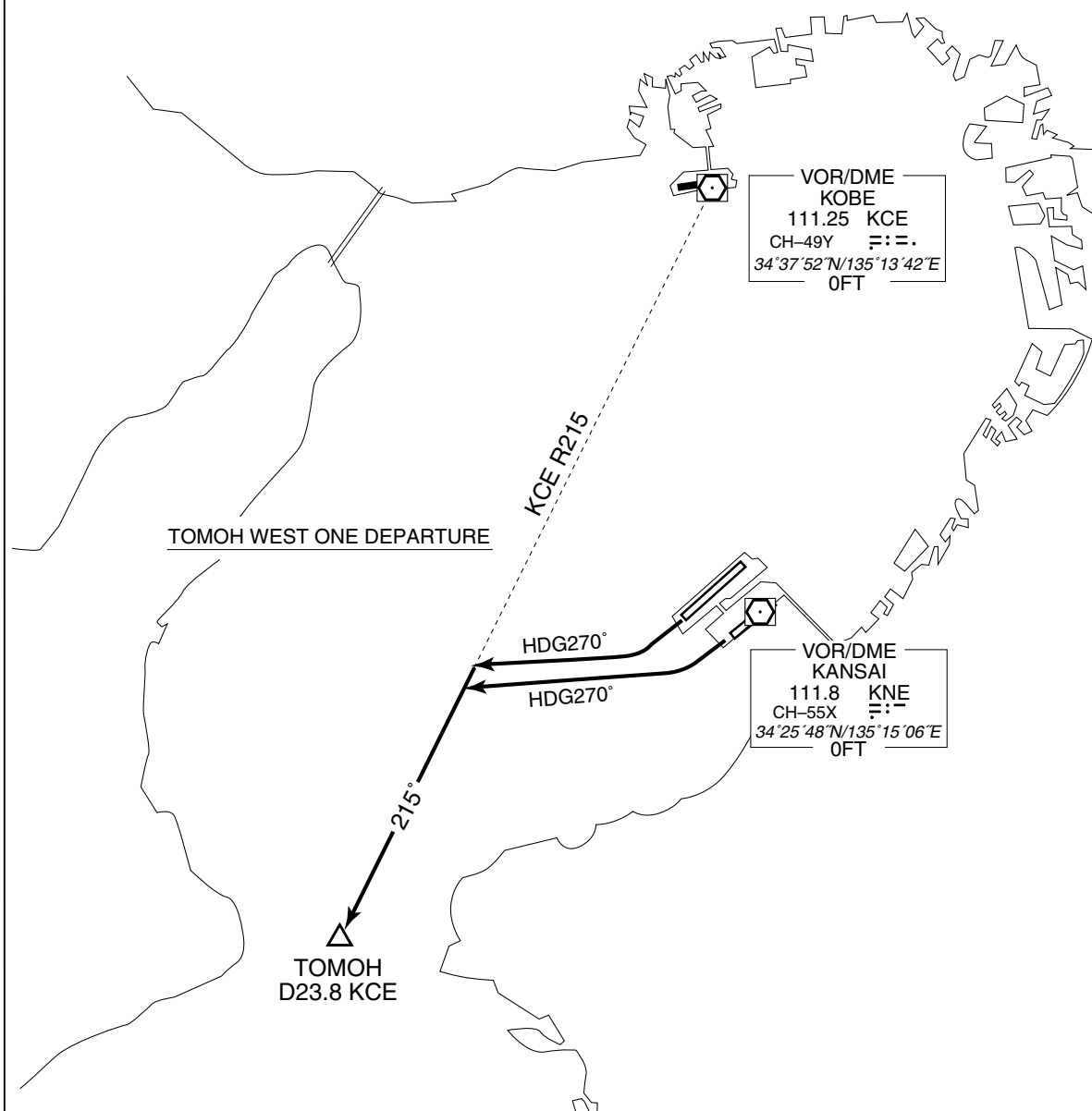
## STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

SID

TOMOH WEST ONE DEPARTURE

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



STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

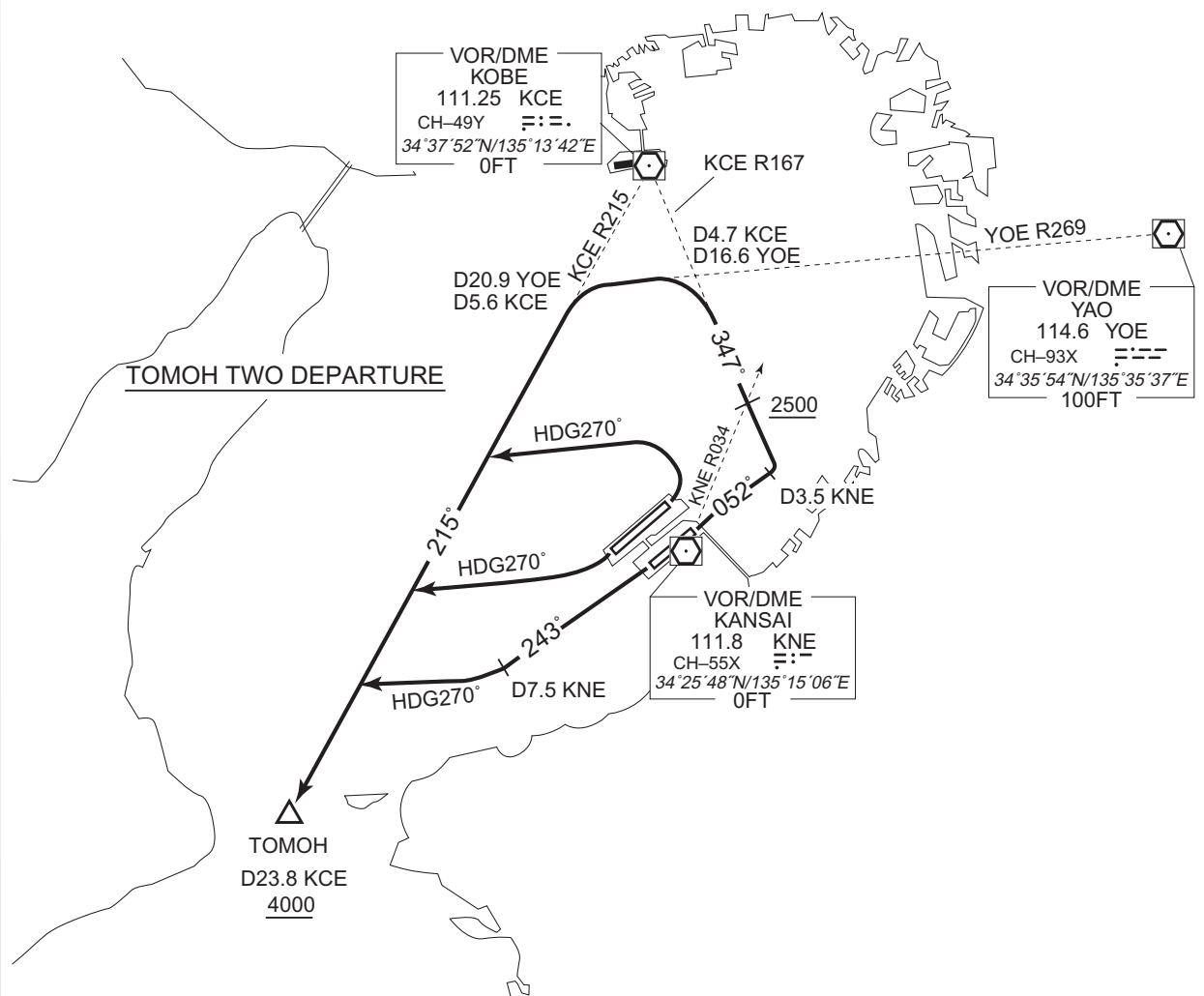
SID

TOMOH TWO DEPARTURE

- RWY06R : Climb via KNE R052 to 3.5DME, turn left, via KCE R167 to intercept and proceed via YOE R269, via KCE R215 to TOMOH.  
Cross KNE R034 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 via KNE R243 to 7.5DME, turn right HDG270° to intercept and proceed via KCE R215 to TOMOH. ...

...Cross TOMOH at or above 4000FT.

CHANGE : PROC renamed. Radial FM KCE.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

TRANSITION

KOCHI SOUTH TRANSITION

From over TOMOH, proceed via KNE R241 to UMAJI, via KRE R068 to KRE VOR/DME.

KUSHIMOTO TRANSITION

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

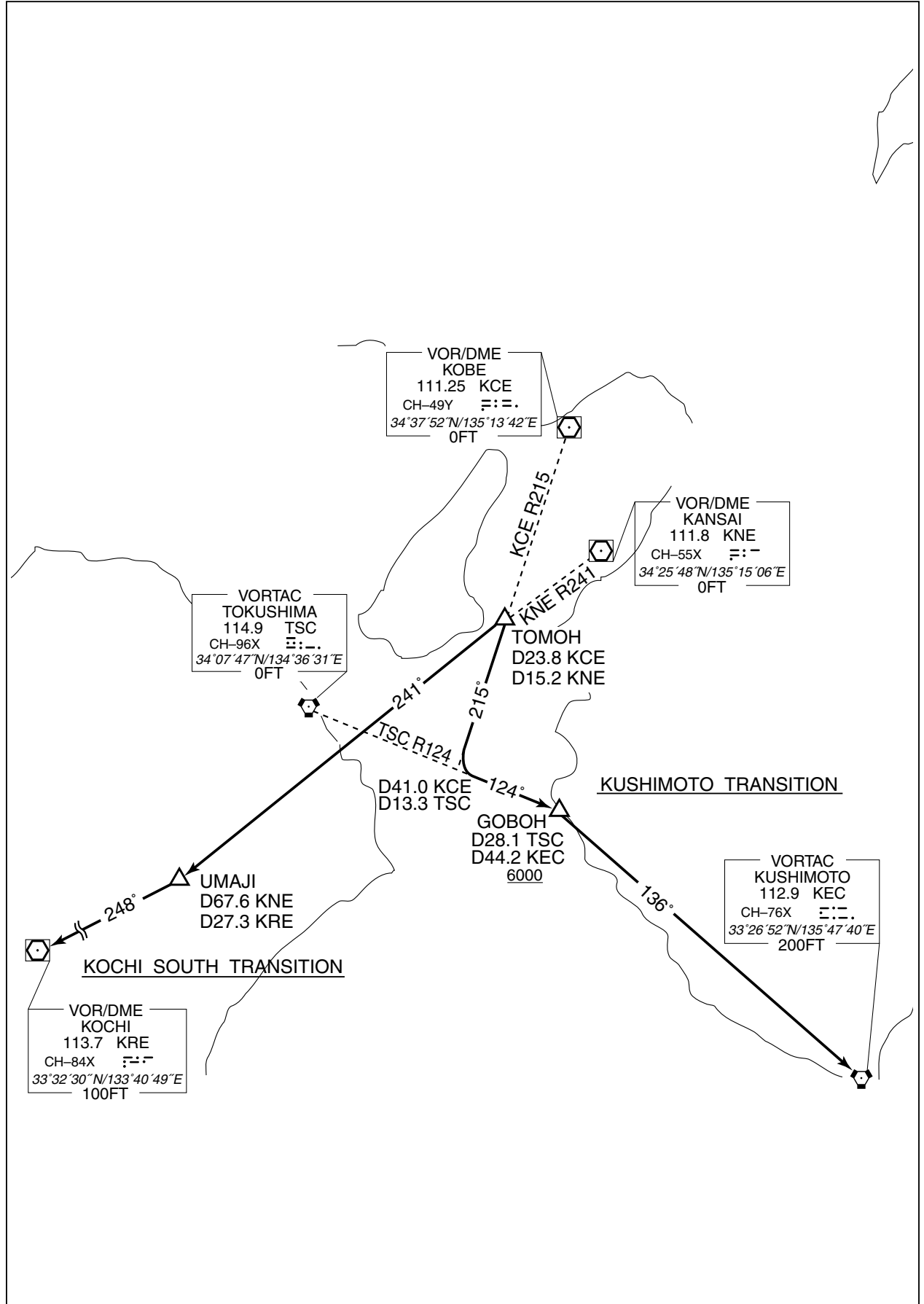
Cross GOBOH at or above 6000FT.



STANDARD DEPARTURE CHART-INSTRUMENT

RJBB / KANSAI INTL

TRANSITION

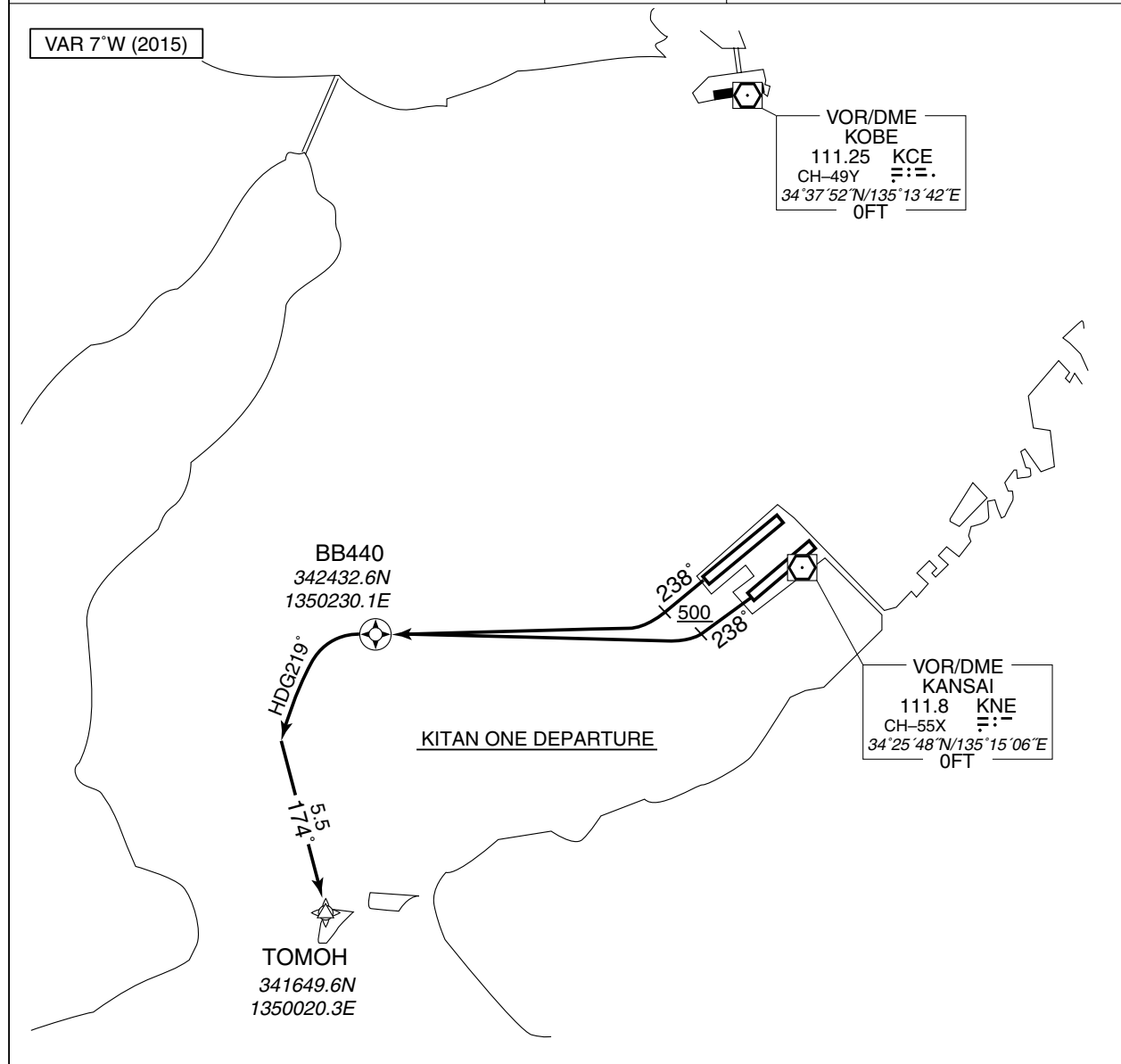


### STANDARD DEPARTURE CHART - INSTRUMENT

## RJBB / KANSAI INTL

## RNAV SID

| KITAN ONE 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><br>2) RADAR service required. | Critical DME           | —   |       |
|  | DME GAP                | —   |       |
|  | Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |       |



## KITAN ONE DEPARTURE

RWY24R : Climb on HDG238° at or above 500FT, turn right direct to BB440, turn left HDG219°, to TOMOH on course 174°.

RWY24L : Climb on HDG238° at or above 500FT, turn right direct to BB440, turn left HDG219°, to TOMOH on course 174°.

Note RWY24L : No turn before DER.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

KITAN ONE 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | BB440               | Y        | —              | -7.4               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | VI              | —                   | —        | 219<br>(211.8) | -7.4               | —             | L              | —             | —            | —              | RNAV1                    |
| 004           | CF              | TOMOH               | —        | 174<br>(166.8) | -7.4               | 5.5           | —              | —             | —            | —              | RNAV1                    |

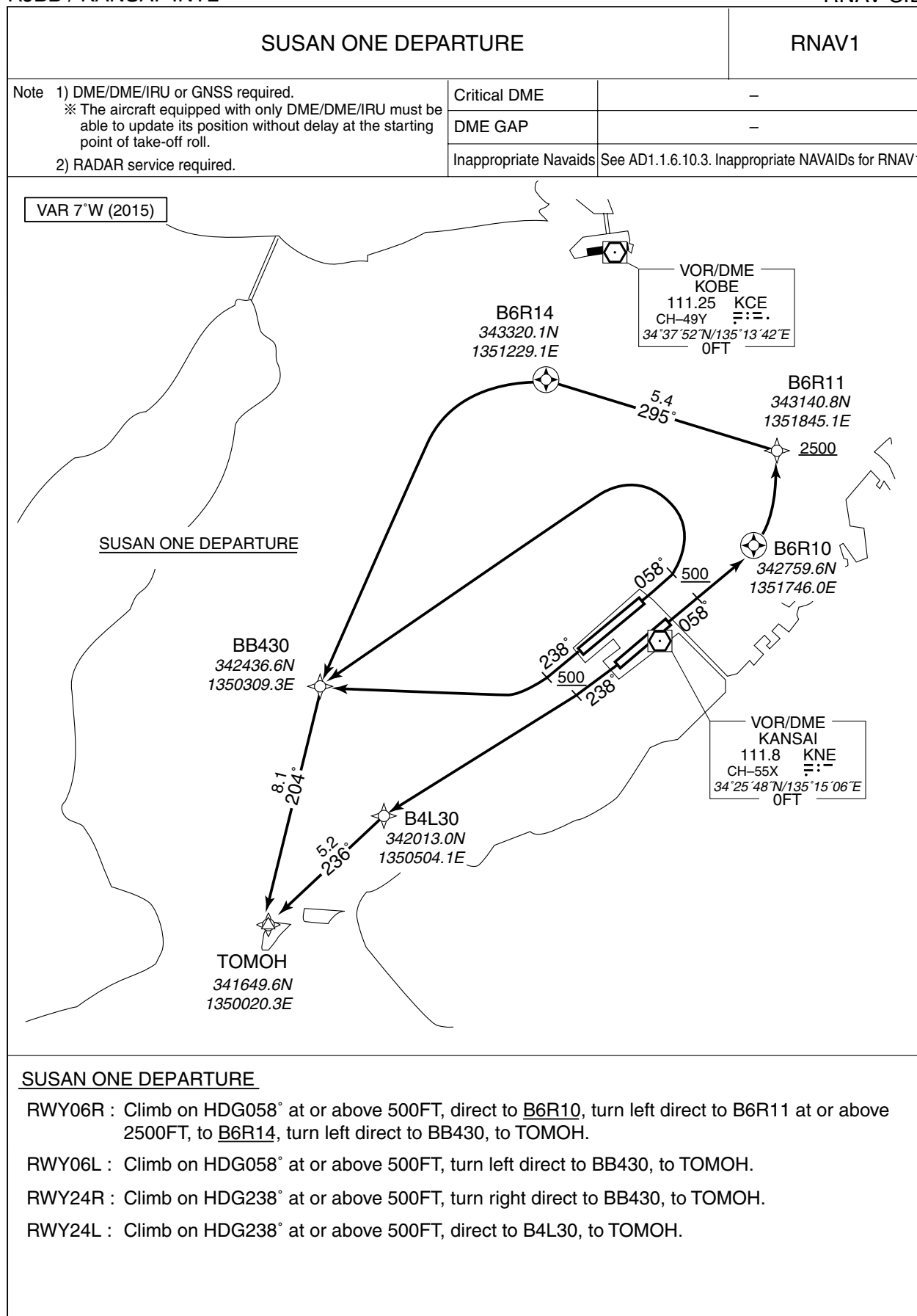
## RWY24L

| 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | BB440               | Y        | —              | -7.4               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | VI              | —                   | —        | 219<br>(211.8) | -7.4               | —             | L              | —             | —            | —              | RNAV1                    |
| 004           | CF              | TOMOH               | —        | 174<br>(166.8) | -7.4               | 5.5           | —              | —             | —            | —              | RNAV1                    |

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID



## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

SUSAN 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              | —                   | —        | 058<br>(050.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B6R10               | Y        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | B6R11               | —        | —              | -7.4               | —             | L              | +2500         | —            | —              | RNAV1                    |
| 004           | TF              | B6R14               | Y        | 295<br>(287.8) | -7.4               | 5.4           | —              | —             | —            | —              | RNAV1                    |
| 005           | DF              | BB430               | —        | —              | -7.4               | —             | L              | —             | —            | —              | RNAV1                    |
| 006           | TF              | TOMOH               | —        | 204<br>(196.6) | -7.4               | 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              | —                   | —        | 058<br>(050.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | BB430               | —        | —              | -7.4               | —             | L              | —             | —            | —              | RNAV1                    |
| 003           | TF              | TOMOH               | —        | 204<br>(196.6) | -7.4               | 8.1           | —              | —             | —            | —              | RNAV1                    |

## 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | BB430               | —        | —              | -7.4               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | TOMOH               | —        | 204<br>(196.6) | -7.4               | 8.1           | —              | —             | —            | —              | RNAV1                    |

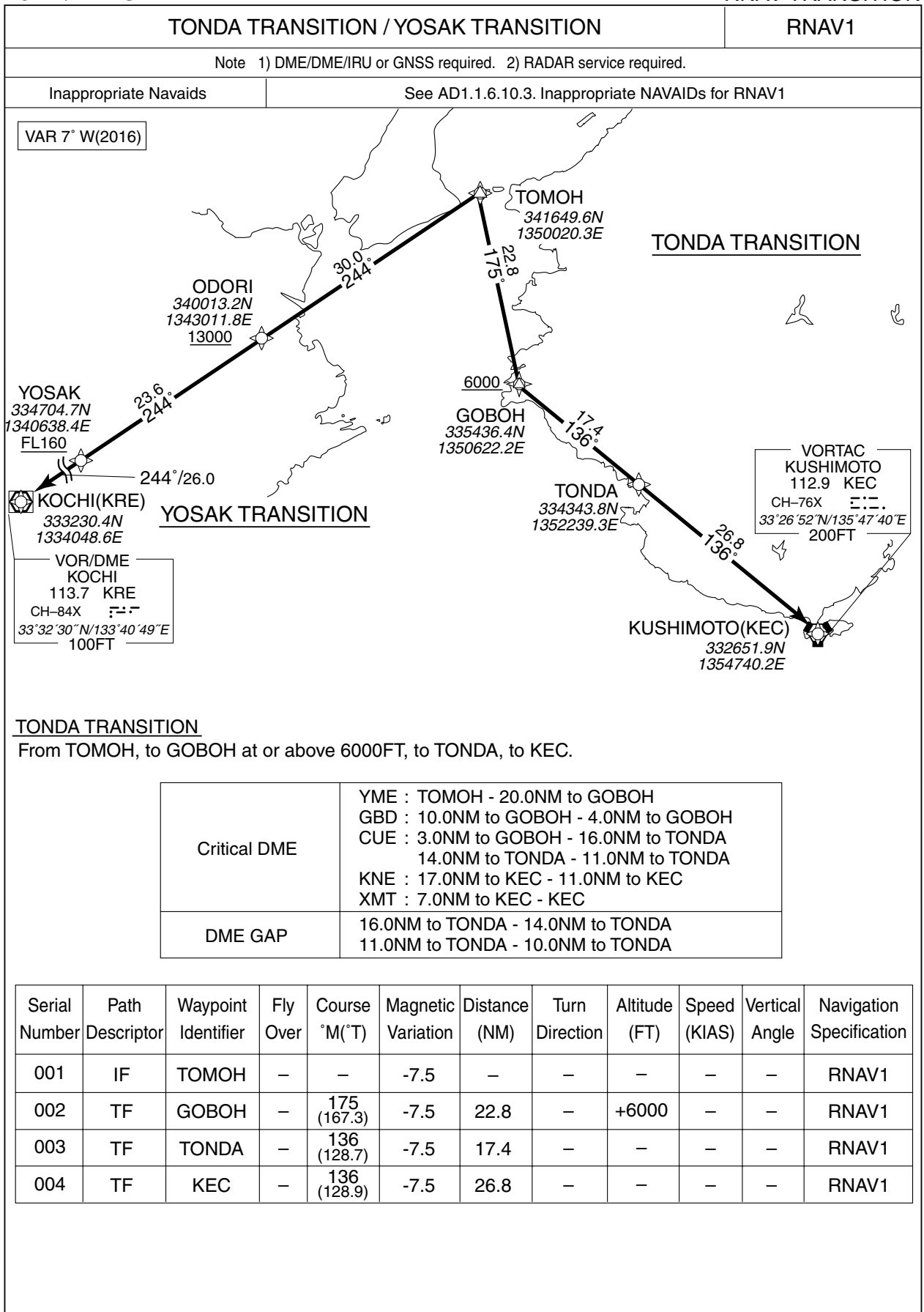
## RWY24L

| 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B4L30               | —        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | TOMOH               | —        | 236<br>(229.1) | -7.4               | 5.2           | —              | —             | —            | —              | RNAV1                    |

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION



## 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               | —        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | ODORI               | —        | 244<br>(236.5) | -7.5               | 30.0          | —              | +13000        | —            | —              | RNAV1                    |
| 003           | TF              | YOSAK               | —        | 244<br>(236.2) | -7.5               | 23.6          | —              | +FL160        | —            | —              | RNAV1                    |
| 004           | TF              | KRE                 | —        | 244<br>(236.0) | -7.5               | 26.0          | —              | —             | —            | —              | RNAV1                    |



## RJBB / KANSAI INTL

## RNAV SID

VAR 7°W (2015)

KANSAI ONE DEPARTURE

**VOR/DME KANSAI**  
111.8 KNE  
CH-55X  
34°25'48"N/135°15'06"E  
0FT

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

**B4L10**  
342136.9N  
1350734.5E

**B4R20**  
342454.4N  
1350606.2E

**B6L20**  
343042.2N  
1350813.4E

**B6R13**  
343405.7N  
1350936.0E

**B6R11**  
343140.8N  
1351845.1E  
2500

**B6R10**  
342759.6N  
1351746.0E  
8000

**KANSAI(KNE)**  
342548.3N  
1351506.4E  
8000

500 058°

500 058°

500 058°

500 058°

500 058°

238°

238°

238°

238°

238°

7.9 295°

RWY06R : Climb on HDG058° at or above 500FT, direct to B6R10, turn left direct to B6R11 at or above 2500FT, to B6R13, turn left direct to KNE at or above 8000FT.

RWY06L : Climb on HDG058° at or above 500FT, turn left direct to B6L20, turn left direct to KNE at or above 8000FT.

RWY24R : Climb on HDG238° at or above 500FT, turn right direct to B4R20, turn right direct to KNE at or above 8000FT.

RWY24L : Climb on HDG238° at or above 500FT, direct to B4L10, turn right direct to KNE at or above 8000FT.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

KANSAI 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              | —                   | —        | 058<br>(050.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B6R10               | Y        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | B6R11               | —        | —              | -7.4               | —             | L              | +2500         | —            | —              | RNAV1                    |
| 004           | TF              | B6R13               | Y        | 295<br>(287.8) | -7.4               | 7.9           | —              | —             | —            | —              | RNAV1                    |
| 005           | DF              | KNE                 | —        | —              | -7.4               | —             | 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              | —                   | —        | 058<br>(050.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B6L20               | Y        | —              | -7.4               | —             | L              | —             | —            | —              | RNAV1                    |
| 003           | DF              | KNE                 | —        | —              | -7.4               | —             | L              | +8000         | —            | —              | RNAV1                    |

**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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B4R20               | Y        | —              | -7.4               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | DF              | KNE                 | —        | —              | -7.4               | —             | 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B4L10               | Y        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | KNE                 | —        | —              | -7.4               | —             | R              | +8000         | —            | —              | RNAV1                    |

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

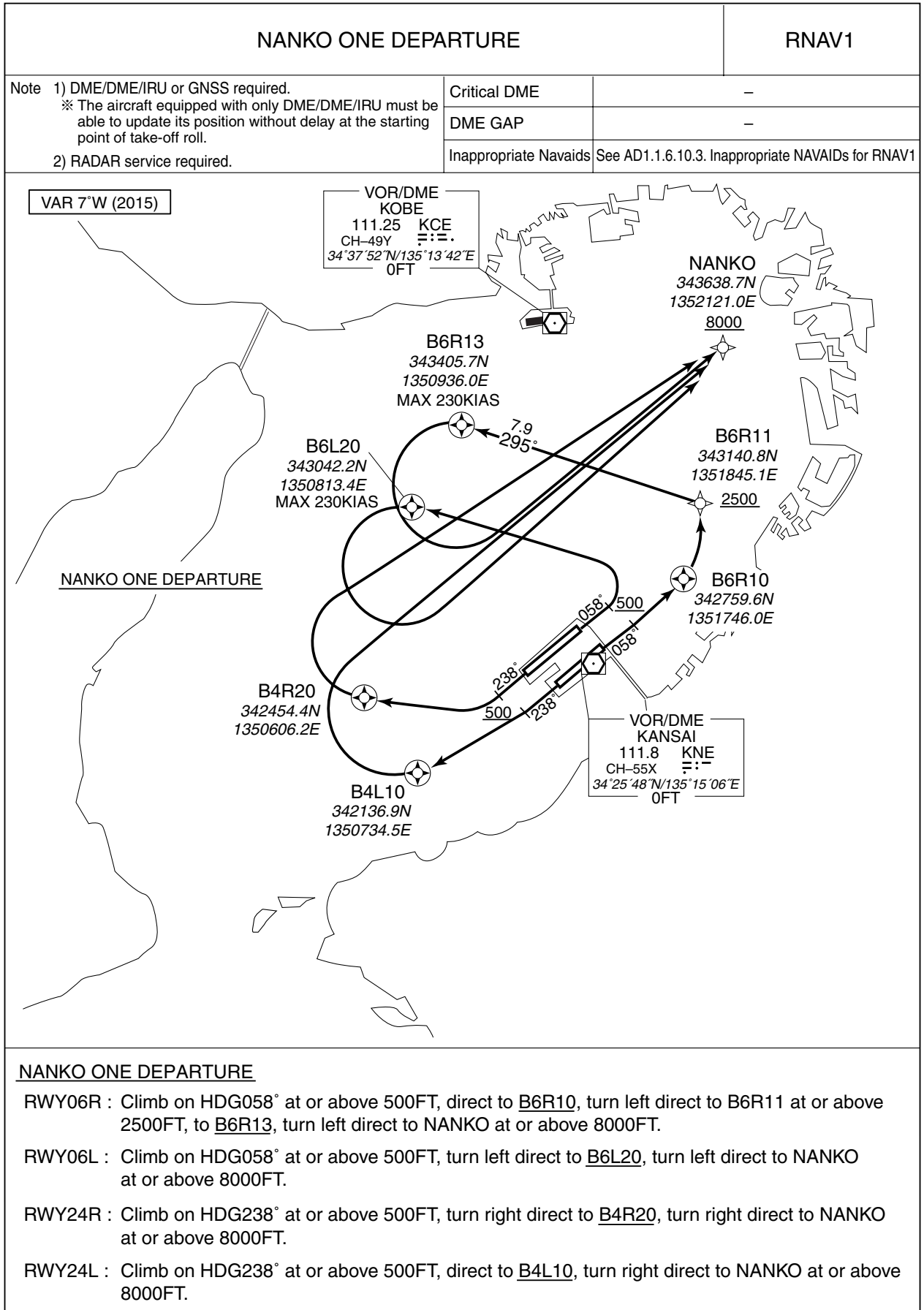
RNAV TRANSITION



STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID



## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

NANKO 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              | —                   | —        | 058<br>(050.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B6R10               | Y        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | B6R11               | —        | —              | -7.4               | —             | L              | +2500         | —            | —              | RNAV1                    |
| 004           | TF              | B6R13               | Y        | 295<br>(287.8) | -7.4               | 7.9           | —              | —             | -230         | —              | RNAV1                    |
| 005           | DF              | NANKO               | —        | —              | -7.4               | —             | 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              | —                   | —        | 058<br>(050.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B6L20               | Y        | —              | -7.4               | —             | L              | —             | -230         | —              | RNAV1                    |
| 003           | DF              | NANKO               | —        | —              | -7.4               | —             | L              | +8000         | —            | —              | RNAV1                    |

## 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B4R20               | Y        | —              | -7.4               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | DF              | NANKO               | —        | —              | -7.4               | —             | 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B4L10               | Y        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | NANKO               | —        | —              | -7.4               | —             | R              | +8000         | —            | —              | RNAV1                    |

## 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 7° W(2014)

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               | —        | —              | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | OGURA               | —        | 051<br>(043.4) | -7.2               | 15.6          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | KYOTO               | —        | 085<br>(077.7) | -7.2               | 8.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | SIGAK               | —        | 085<br>(077.4) | -7.2               | 15.2          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | GUJYO               | —        | 049<br>(042.0) | -7.2               | 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      | —                                     |

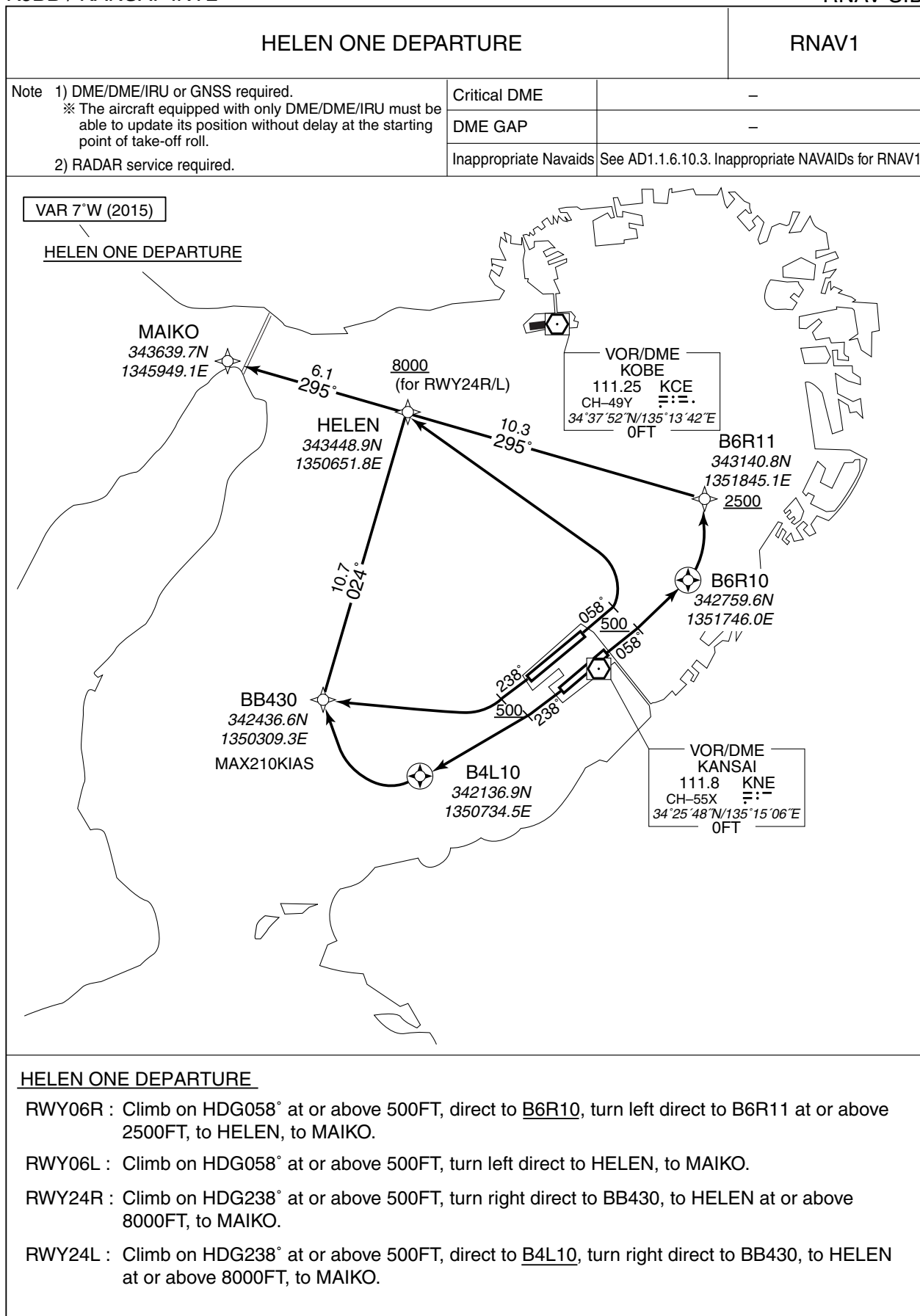
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | NANKO               | —        | —              | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | OGURA               | —        | 051<br>(043.4) | -7.2               | 15.6          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | KYOTO               | —        | 085<br>(077.7) | -7.2               | 8.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | SIGAK               | —        | 085<br>(077.4) | -7.2               | 15.2          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | KCC                 | —        | 069<br>(061.6) | -7.2               | 48.3          | —              | —             | —            | —              | RNAV1                    |



## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID



## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

HELEN 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              | —                   | —        | 058<br>(050.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B6R10               | Y        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | B6R11               | —        | —              | -7.4               | —             | L              | +2500         | —            | —              | RNAV1                    |
| 004           | TF              | HELEN               | —        | 295<br>(287.8) | -7.4               | 10.3          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAIKO               | —        | 295<br>(287.7) | -7.4               | 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              | —                   | —        | 058<br>(050.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | HELEN               | —        | —              | -7.4               | —             | L              | —             | —            | —              | RNAV1                    |
| 003           | TF              | MAIKO               | —        | 295<br>(287.7) | -7.4               | 6.1           | —              | —             | —            | —              | RNAV1                    |

## 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | BB430               | —        | —              | -7.4               | —             | R              | —             | -210         | —              | RNAV1                    |
| 003           | TF              | HELEN               | —        | 024<br>(016.6) | -7.4               | 10.7          | —              | +8000         | —            | —              | RNAV1                    |
| 004           | TF              | MAIKO               | —        | 295<br>(287.7) | -7.4               | 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B4L10               | Y        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | BB430               | —        | —              | -7.4               | —             | R              | —             | -210         | —              | RNAV1                    |
| 004           | TF              | HELEN               | —        | 024<br>(016.6) | -7.4               | 10.7          | —              | +8000         | —            | —              | RNAV1                    |
| 005           | TF              | MAIKO               | —        | 295<br>(287.7) | -7.4               | 6.1           | —              | —             | —            | —              | RNAV1                    |

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID



## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

IWAYA ONE 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | BB430               | —        | —              | -7.4               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | HELEN               | —        | 024<br>(016.6) | -7.4               | 10.7          | —              | +8000         | —            | —              | RNAV1                    |
| 004           | TF              | MAIKO               | —        | 295<br>(287.7) | -7.4               | 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | BB430               | —        | —              | -7.4               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | HELEN               | —        | 024<br>(016.6) | -7.4               | 10.7          | —              | +8000         | —            | —              | RNAV1                    |
| 004           | TF              | MAIKO               | —        | 295<br>(287.7) | -7.4               | 6.1           | —              | —             | —            | —              | RNAV1                    |

## STANDARD DEPARTURE CHART - INSTRUMENT

## RJBB / KANSAI INTL

## RNAV TRANSITION

SHION TRANSITION / SOUJA TRANSITION / WASYU TRANSITION / HABAR TRANSITION

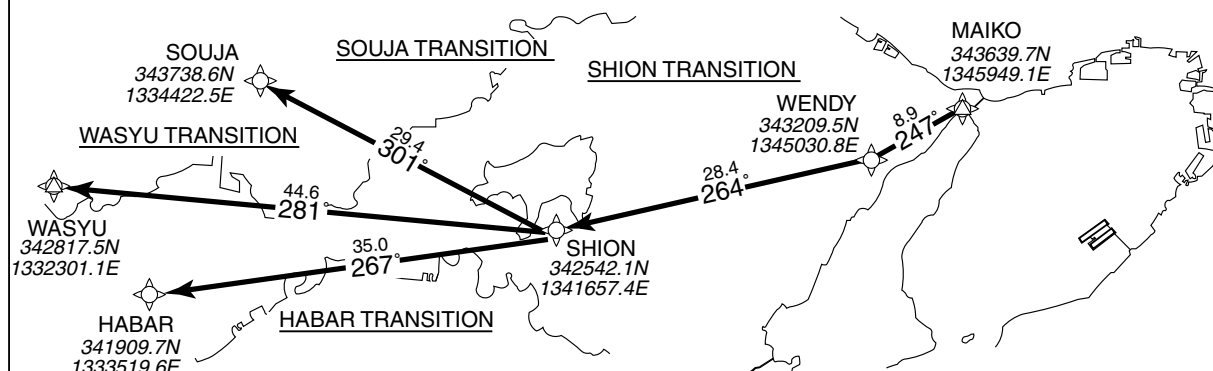
RNAV1

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 7° W(2009)



## 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               | —        | —              | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | WENDY               | —        | 247<br>(239.6) | -7.2               | 8.9           | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | SHION               | —        | 264<br>(257.0) | -7.2               | 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               | —        | —              | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | WENDY               | —        | 247<br>(239.6) | -7.2               | 8.9           | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | SHION               | —        | 264<br>(257.0) | -7.2               | 28.4          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | SOUJA               | —        | 301<br>(294.1) | -7.2               | 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               | —        | —              | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | WENDY               | —        | 247<br>(239.6) | -7.2               | 8.9           | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | SHION               | —        | 264<br>(257.0) | -7.2               | 28.4          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | WASYU               | —        | 281<br>(273.6) | -7.2               | 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               | —        | —              | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | WENDY               | —        | 247<br>(239.6) | -7.2               | 8.9           | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | SHION               | —        | 264<br>(257.0) | -7.2               | 28.4          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | HABAR               | —        | 267<br>(259.4) | -7.2               | 35.0          | —              | —             | —            | —              | RNAV1                    |

## 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          | KNE : 17.1NM to YME - 14.1NM to YME<br>YME : 17.1NM to YME - 14.1NM to YME |       |
|   | DME GAP               | —  |       |
|   | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.                         |       |

VAR 8° W(2019)

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               | —        | —              | -7.7               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | KAWAT               | —        | 272<br>(264.0) | -7.7               | 21.8          | —              | +8000         | —            | —              | RNAV1                    |
| 003           | TF              | AYAYA               | —        | 002<br>(354.7) | -7.7               | 11.0          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | CHIZU               | —        | 002<br>(354.7) | -7.7               | 16.5          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | YME                 | —        | 056<br>(048.6) | -7.7               | 41.1          | —              | —             | —            | —              | RNAV1                    |

CHANGE : VAR. AYAYA established. Course FM MAIKO to KAWAT.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID





## STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

DAISY 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              | —                   | —        | 058<br>(050.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B6R10               | Y        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | B6R11               | —        | —              | -7.4               | —             | L              | +2500         | —            | —              | RNAV1                    |
| 004           | TF              | B6R12               | —        | 295<br>(287.8) | -7.4               | 8.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | DAISY               | —        | 235<br>(228.0) | -7.4               | 6.3           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | JULIA               | —        | 279<br>(271.4) | -7.4               | 4.0           | —              | +8000         | —            | —              | RNAV1                    |
| 007           | TF              | LINDA               | —        | 279<br>(271.4) | -7.4               | 5.4           | —              | —             | —            | —              | RNAV1                    |
| 008           | TF              | GLORY               | —        | 255<br>(247.2) | -7.4               | 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              | —                   | —        | 058<br>(050.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | DAISY               | —        | —              | -7.4               | —             | L              | —             | —            | —              | RNAV1                    |
| 003           | TF              | JULIA               | —        | 279<br>(271.4) | -7.4               | 4.0           | —              | +8000         | —            | —              | RNAV1                    |
| 004           | TF              | LINDA               | —        | 279<br>(271.4) | -7.4               | 5.4           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | GLORY               | —        | 255<br>(247.2) | -7.4               | 6.9           | —              | —             | —            | —              | RNAV1                    |

## 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | DAISY               | —        | —              | -7.4               | —             | R              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | JULIA               | —        | 279<br>(271.4) | -7.4               | 4.0           | —              | +8000         | —            | —              | RNAV1                    |
| 004           | TF              | LINDA               | —        | 279<br>(271.4) | -7.4               | 5.4           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | GLORY               | —        | 255<br>(247.2) | -7.4               | 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              | —                   | —        | 238<br>(230.9) | -7.4               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | B4L10               | Y        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | BB430               | —        | —              | -7.4               | —             | R              | —             | -210         | —              | RNAV1                    |
| 004           | TF              | DAISY               | —        | 008<br>(000.2) | -7.4               | 5.4           | —              | +6000         | —            | —              | RNAV1                    |
| 005           | TF              | JULIA               | —        | 279<br>(271.4) | -7.4               | 4.0           | —              | +8000         | —            | —              | RNAV1                    |
| 006           | TF              | LINDA               | —        | 279<br>(271.4) | -7.4               | 5.4           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF              | GLORY               | —        | 255<br>(247.2) | -7.4               | 6.9           | —              | —             | —            | —              | RNAV1                    |

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION



STANDARD ARRIVAL CHART - INSTRUMENT

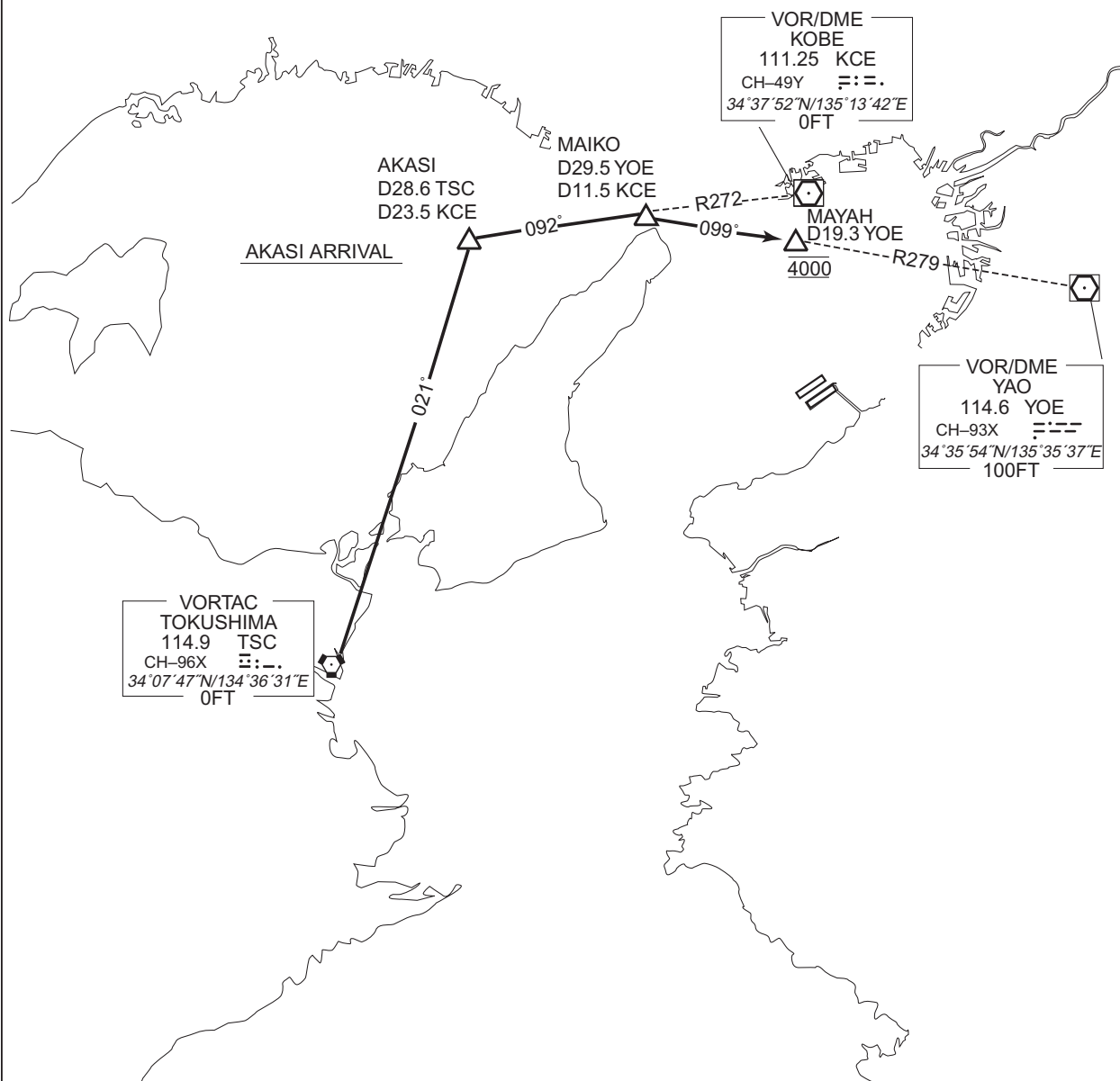
RJBB / KANSAI INTL

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.



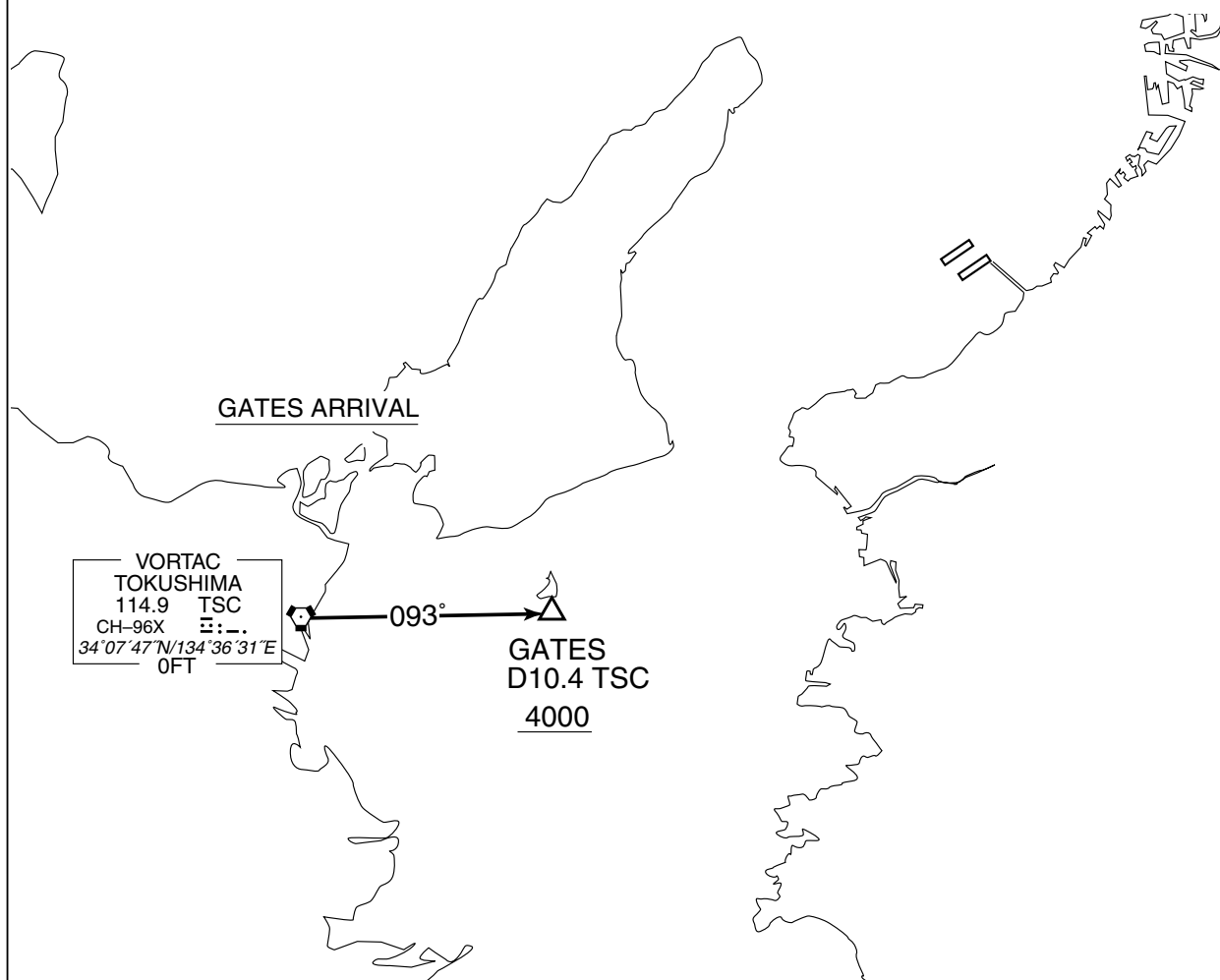
## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

STAR

GATES ARRIVAL

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



STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

STAR

ATAACK ARC ARRIVAL

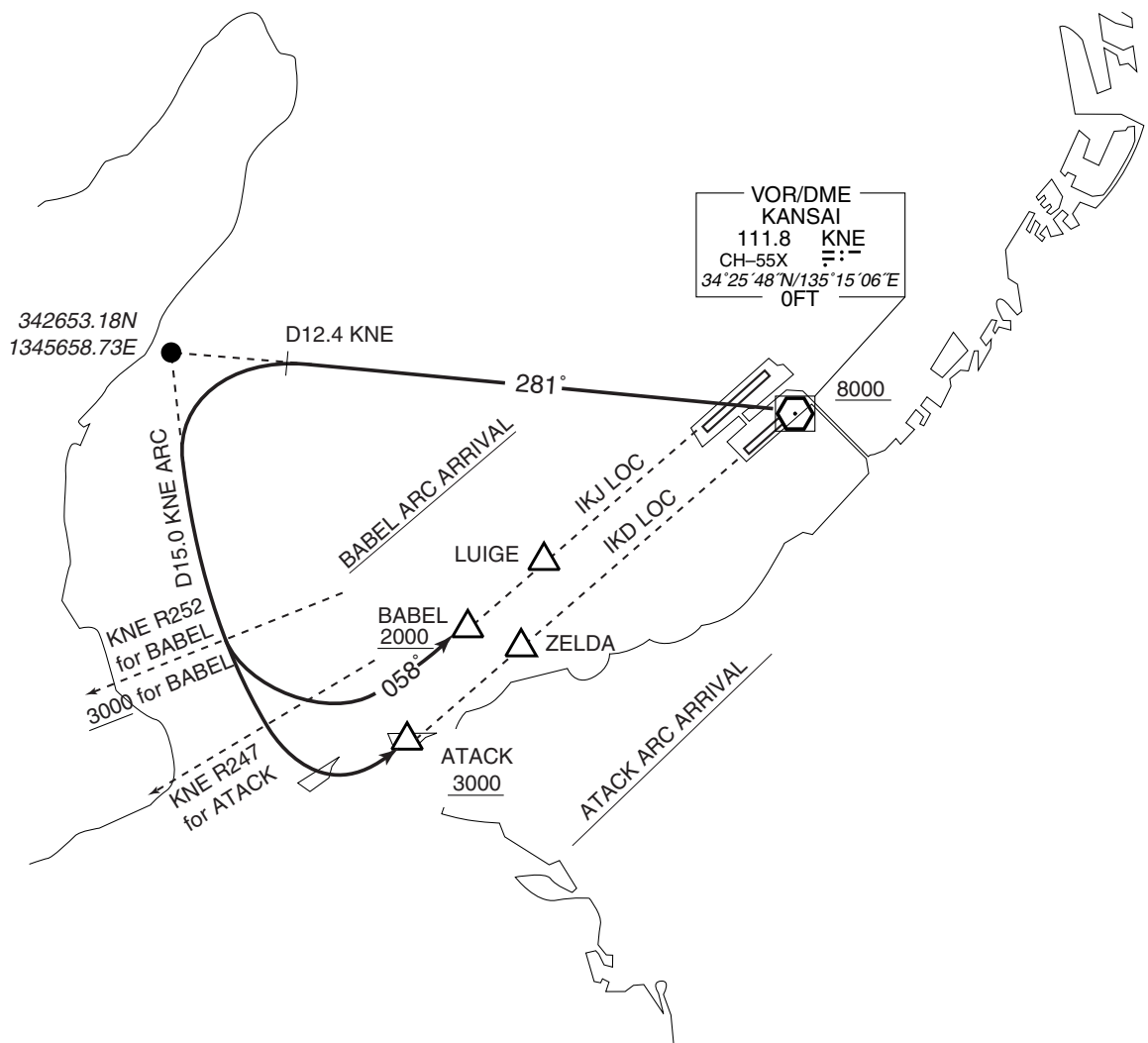
From over KNE VOR/DME, proceed via KNE R281, turn left via KNE 15.0DME counterclockwise ARC, turn left to intercept and proceed via IKD-LOC to ATAACK.

Cross KNE VOR/DME at or above 8000FT, cross ATAACK at or above 3000FT.

BABEL ARC ARRIVAL

From over KNE VOR/DME, proceed via KNE R281, turn left via KNE 15.0DME counterclockwise ARC, turn left to intercept and proceed via IKJ-LOC to BABEL.

Cross KNE VOR/DME at or above 8000FT, cross KNE R252 at or above 3000FT, cross BABEL at or above 2000FT.



## RJBB / KANSAI INTL

STAR

From over KNE VOR/DME, proceed via KNE R283, turn right via KNE 10.9DME clockwise ARC to MAYAH.

342654.32N  
1350200.33E

D10.9 KNE ARC

MAYAH

4000

KNE R354

VOR/DME  
KANSAI  
111.8 KNE  
CH-55X  
34°25'48"N/135°15'06"E  
0FT

8000

283°

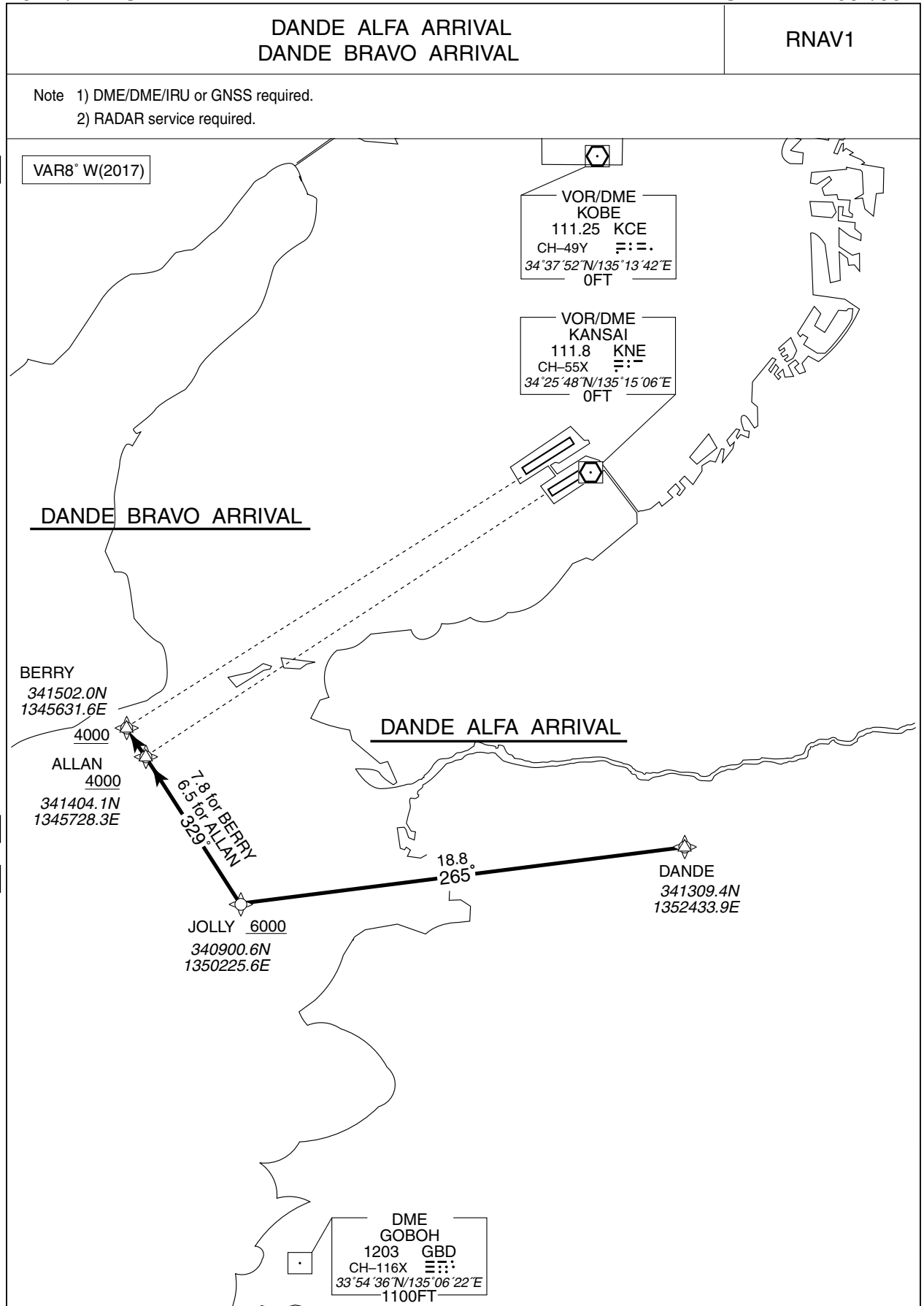
D8.0 KNE

MAYAH ARC ARRIVAL

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R





## 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>TZT : 14.0NM to JOLLY - 13.0NM to JOLLY<br>4.0NM to JOLLY - ALLAN<br>GBD : DANDE - ALLAN |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1   |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)]  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|------------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | DANDE               | —        | —                | █ -7.6             | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | JOLLY               | —        | █ 265<br>(257.3) | █ -7.6             | 18.8          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ALLAN               | —        | █ 329<br>(321.0) | █ -7.6             | 6.5           | —              | +4000         | —            | —              | RNAV1                    |

DANDE BRAVO ARRIVAL

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

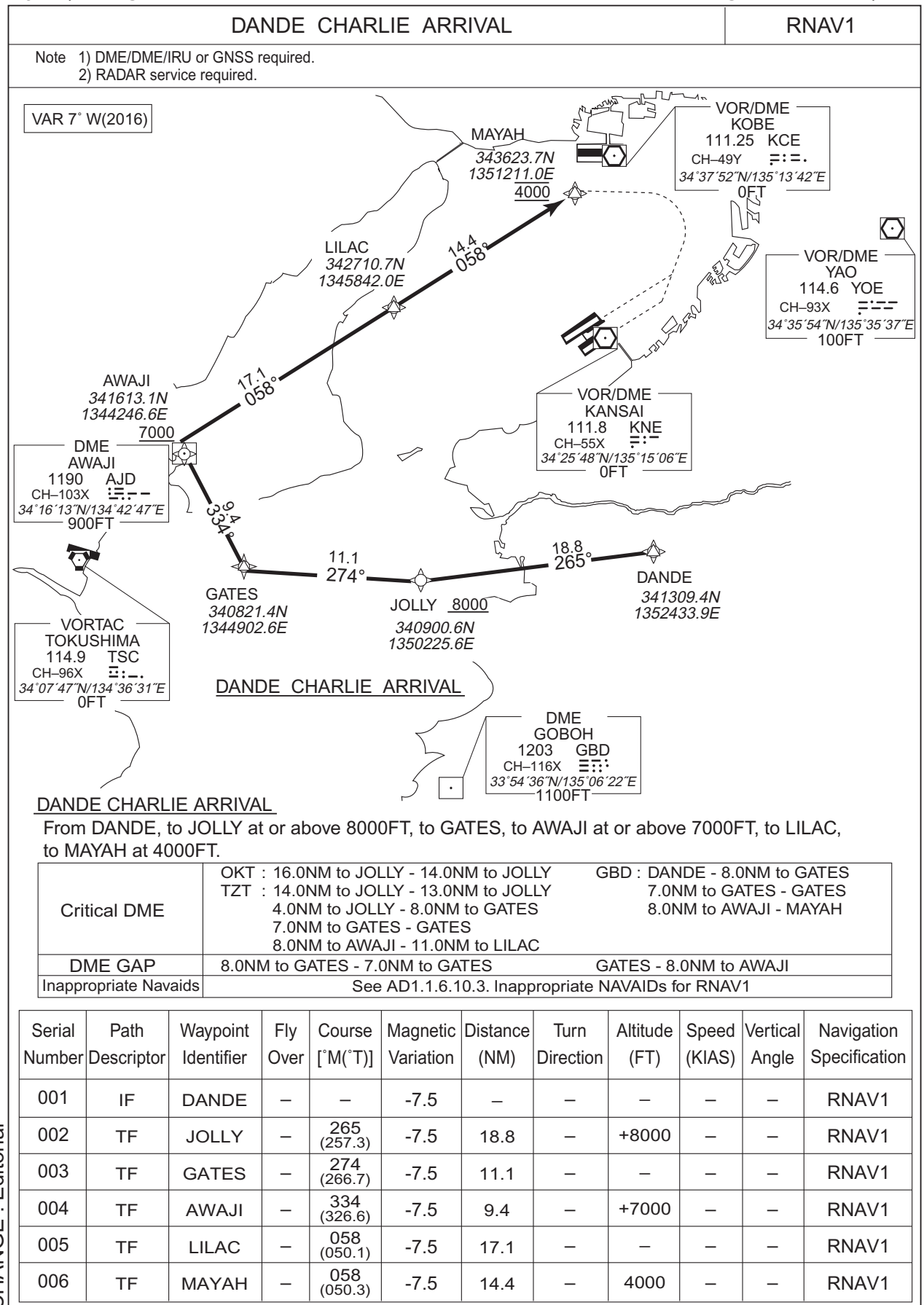
|                        |   |
|------------------------|---|
| Critical DME           | OKT : 16.0NM to JOLLY - 14.0NM to JOLLY<br>TZT : 14.0NM to JOLLY - 13.0NM to JOLLY<br>4.0NM to JOLLY - BERRY<br>GBD : DANDE - BERRY |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1   |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)]  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|------------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | DANDE               | —        | —                | █ -7.6             | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | JOLLY               | —        | █ 265<br>(257.3) | █ -7.6             | 18.8          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | BERRY               | —        | █ 329<br>(321.0) | █ -7.6             | 7.8           | —              | +4000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R



CHANGE : Editorial

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R



## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

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<br>KNE : 1.7NM to ASAMI - 4.2NM to 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              | ALISA               | —        | —               | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 139<br>(132.3)  | -7.2               | 21.7          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | NALTO               | —        | 126<br>(118.4)  | -7.2               | 14.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | ASAMI               | —        | 110<br>(103.0)  | -7.2               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | BAGLE               | —        | 057<br>(049.9)  | -7.2               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | BERRY               | —        | 043<br>(036.0)  | -7.2               | 5.2           | —              | +4000         | —            | —              | RNAV1                    |

BECKY ALFA ARRIVAL

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

|                       |   |
|-----------------------|---|
| Critical DME          | KNE : ASAMI - 4.0NM to 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              | BECKY               | —        | —               | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | EVIAN               | —        | 057<br>(049.5)  | -7.2               | 7.0           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ASAMI               | —        | 057<br>(049.6)  | -7.2               | 12.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BAGLE               | —        | 057<br>(049.9)  | -7.2               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | ALLAN               | —        | 057<br>(049.9)  | -7.2               | 5.0           | —              | +4000         | —            | —              | RNAV1                    |

BECKY BRAVO ARRIVAL

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

|                       |   |
|-----------------------|---|
| Critical DME          | KNE : ASAMI - 4.2NM to 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              | BECKY               | —        | —               | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | EVIAN               | —        | 057<br>(049.5)  | -7.2               | 7.0           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ASAMI               | —        | 057<br>(049.6)  | -7.2               | 12.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BAGLE               | —        | 057<br>(049.9)  | -7.2               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | BERRY               | —        | 043<br>(036.0)  | -7.2               | 5.2           | —              | +4000         | —            | —              | RNAV1                    |

## 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               | —        | —               | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DATIS               | —        | 011<br>(003.9)  | -7.2               | 6.4           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ALLAN               | —        | 011<br>(003.9)  | -7.2               | 15.2          | —              | +4000         | —            | —              | RNAV1                    |

CANDY BRAVO ARRIVAL

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

|                       |  |
|-----------------------|--|
| Critical DME          | KNE : 15.1NM to BERRY - 14.1NM to BERRY<br>8.1NM to BERRY - 6.1NM to 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              | CANDY               | —        | —               | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DATIS               | —        | 011<br>(003.9)  | -7.2               | 6.4           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | BERRY               | —        | 008<br>(000.9)  | -7.2               | 16.2          | —              | +4000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R



## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

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>TZZ : AWAJI - 11.0NM to LILAC |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1                                       |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | BECKY               | —        | —               | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 045<br>(037.2)  | -7.5               | 17.4          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | AWAJI               | —        | 005<br>(357.1)  | -7.5               | 7.2           | —              | +7000         | —            | —              | RNAV1                    |
| 004           | TF              | LILAC               | —        | 058<br>(050.1)  | -7.5               | 17.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 058<br>(050.3)  | -7.5               | 14.4          | —              | 4000          | —            | —              | RNAV1                    |

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>KNE : 16.5NM to NALTO - NALTO<br>TZZ : AWAJI - 11.0NM to LILAC |
| DME GAP                | —  |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1  |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | CANDY               | —        | —               | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 335<br>(328.0)  | -7.5               | 19.5          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | AWAJI               | —        | 005<br>(357.1)  | -7.5               | 7.2           | —              | +7000         | —            | —              | RNAV1                    |
| 004           | TF              | LILAC               | —        | 058<br>(050.1)  | -7.5               | 17.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 058<br>(050.3)  | -7.5               | 14.4          | —              | 4000          | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

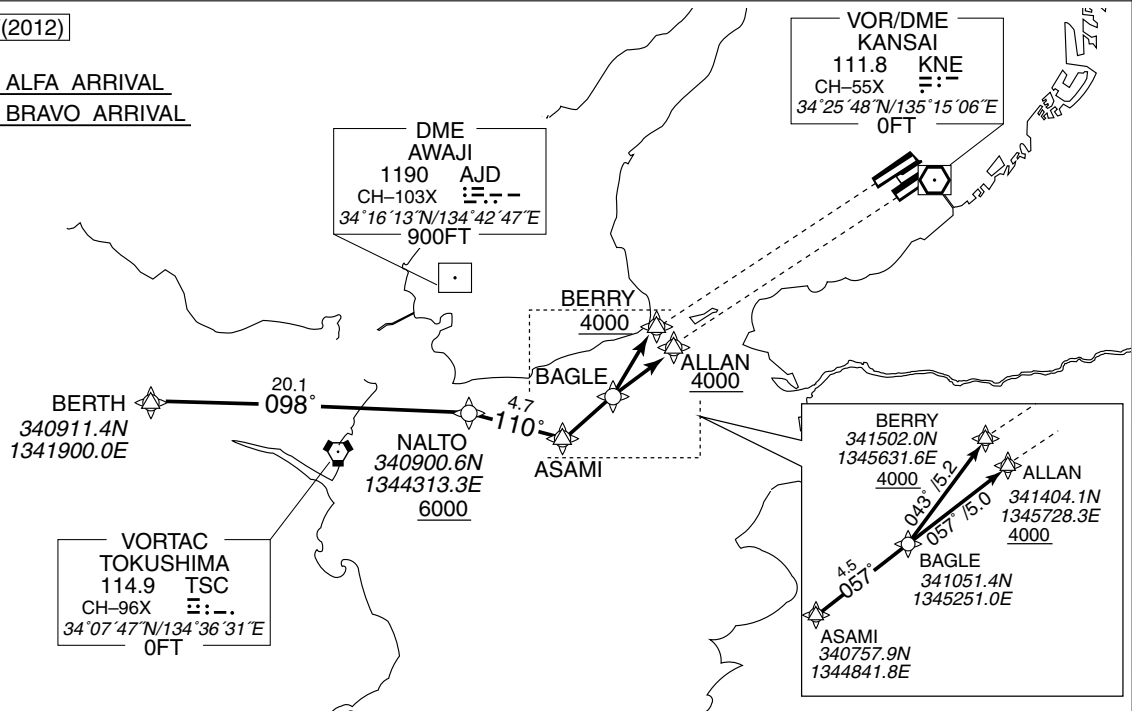
## BERTH ALFA / BRAVO ARRIVAL

RNAV1

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

VAR 7° W(2012)

BERTH ALFA ARRIVAL  
BERTH BRAVO ARRIVAL

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<br>KNE : 1.7NM to ASAMI - 4.0NM to ALLAN |
| DME GAP                | —  |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1                              |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | BERTH               | —        | —               | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 098 (090.4)     | -7.2               | 20.1          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ASAMI               | —        | 110 (103.0)     | -7.2               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BAGLE               | —        | 057 (049.9)     | -7.2               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | ALLAN               | —        | 057 (049.9)     | -7.2               | 5.0           | —              | +4000         | —            | —              | 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.

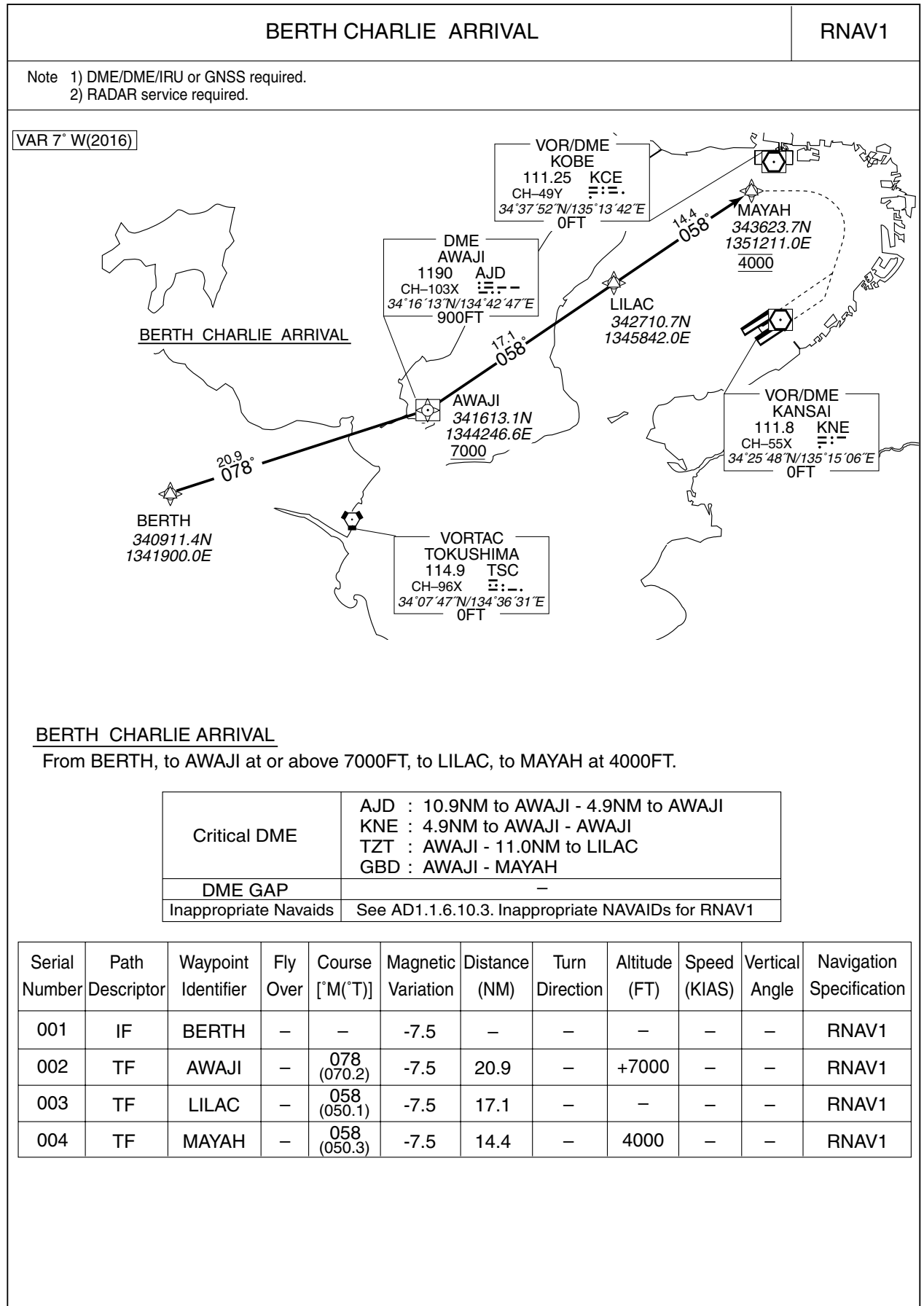
|                        |  |
|------------------------|--|
| Critical DME           | AJD : 8.1NM to NALTO - 5.1NM to NALTO<br>KNE : 1.7NM to ASAMI - 4.2NM to BERRY |
| DME GAP                | —  |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1                              |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | BERTH               | —        | —               | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 098<br>(090.4)  | -7.2               | 20.1          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ASAMI               | —        | 110<br>(103.0)  | -7.2               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BAGLE               | —        | 057<br>(049.9)  | -7.2               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | BERRY               | —        | 043<br>(036.0)  | -7.2               | 5.2           | —              | +4000         | —            | —              | RNAV1                    |

STANDARD ARRIVAL CHART - INSTRUMENT

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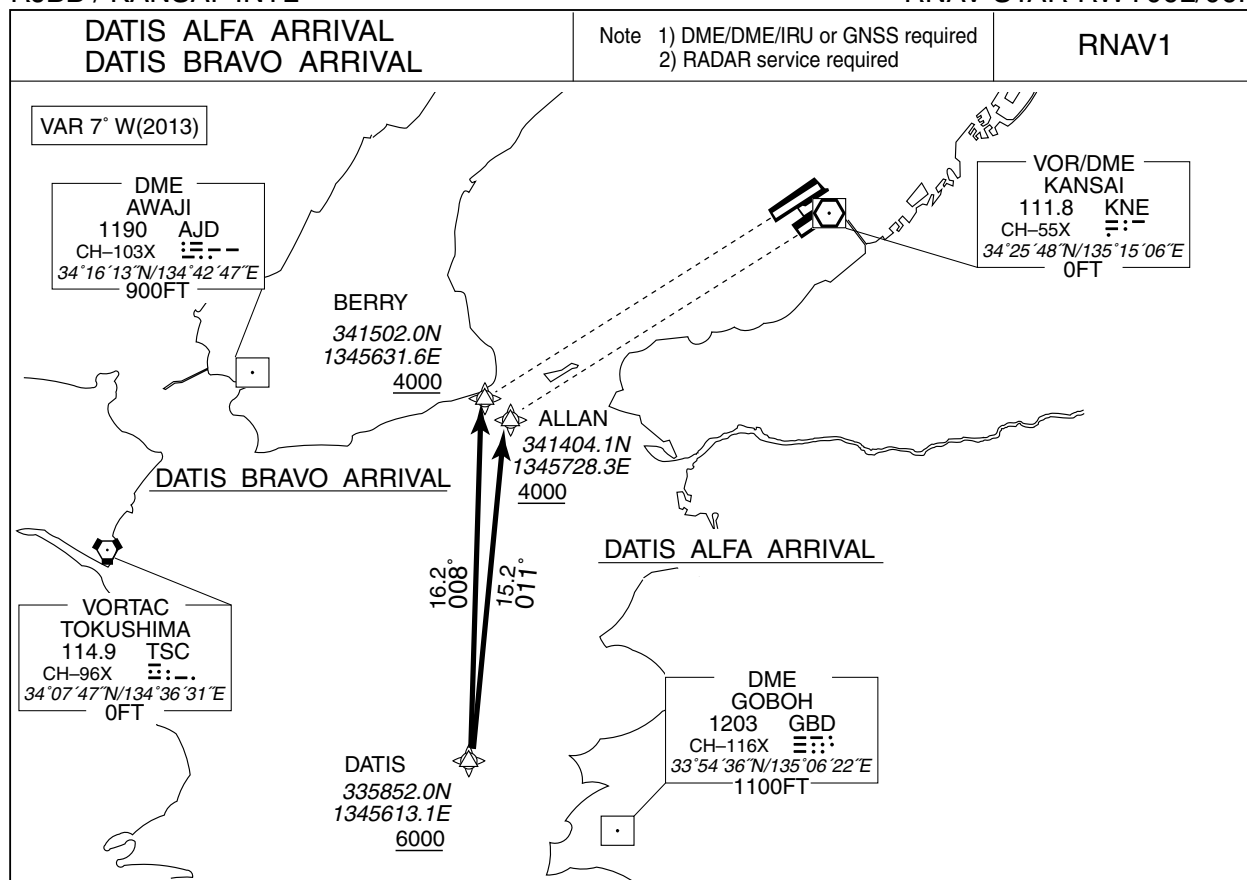
RNAV STAR RWY24L/24R



## 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 Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | DATIS               | —        | —               | -7.2               | —             | —              | +6000         | —            | —              | RNAV1                    |
| 002           | TF              | ALLAN               | —        | 011 (003.9)     | -7.2               | 15.2          | —              | +4000         | —            | —              | RNAV1                    |

DATIS BRAVO ARRIVAL

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

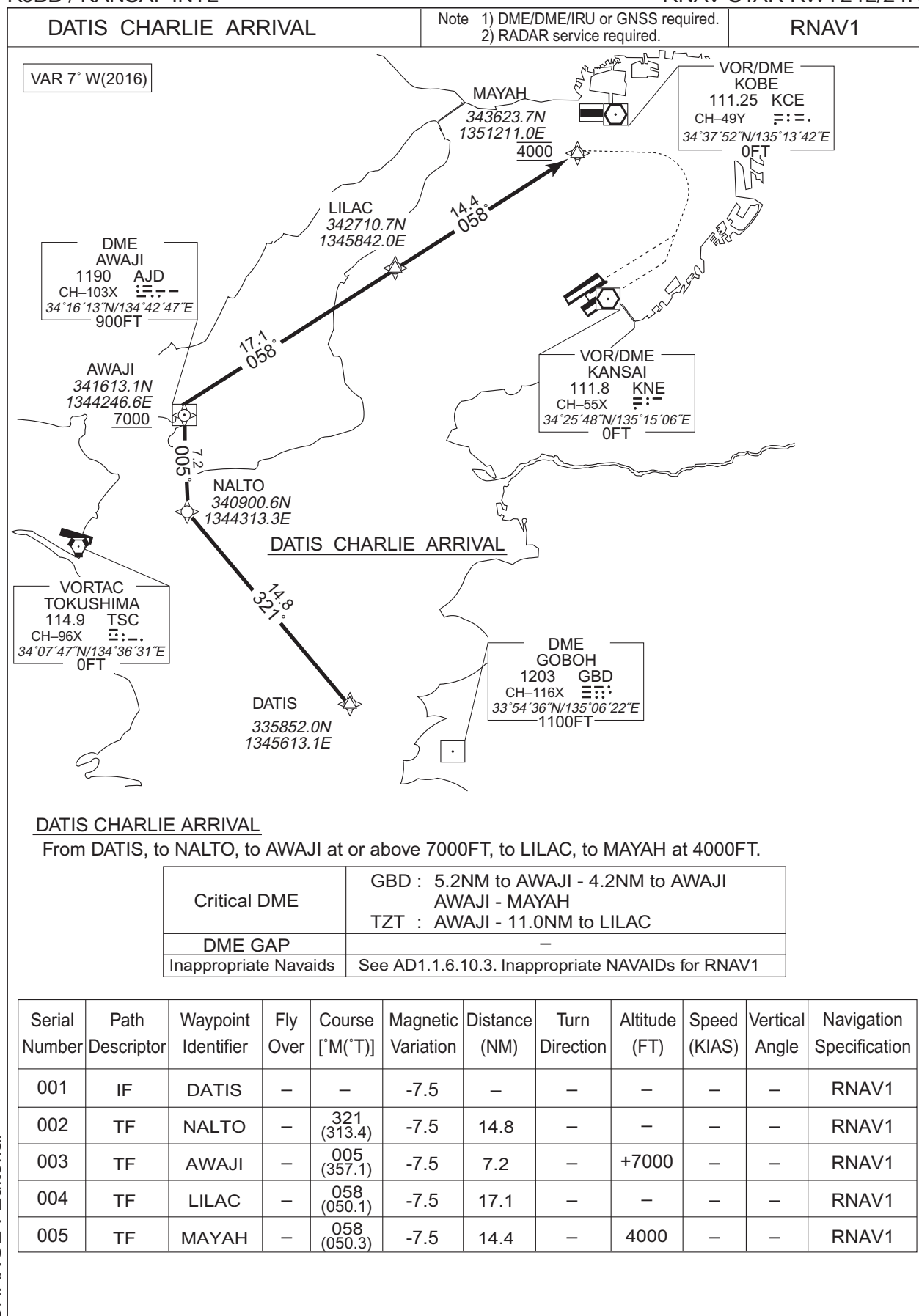
|                        |  |
|------------------------|--|
| Critical DME           | KNE : 15.1NM to BERRY - 14.1NM to BERRY<br>8.1NM to BERRY - 6.1NM to BERRY |
| DME GAP                | —  |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1                          |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | DATIS               | —        | —               | -7.2               | —             | —              | +6000         | —            | —              | RNAV1                    |
| 002           | TF              | BERRY               | —        | 008 (000.9)     | -7.2               | 16.2          | —              | +4000         | —            | —              | RNAV1                    |

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R



CHANGE : Editorial

## STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

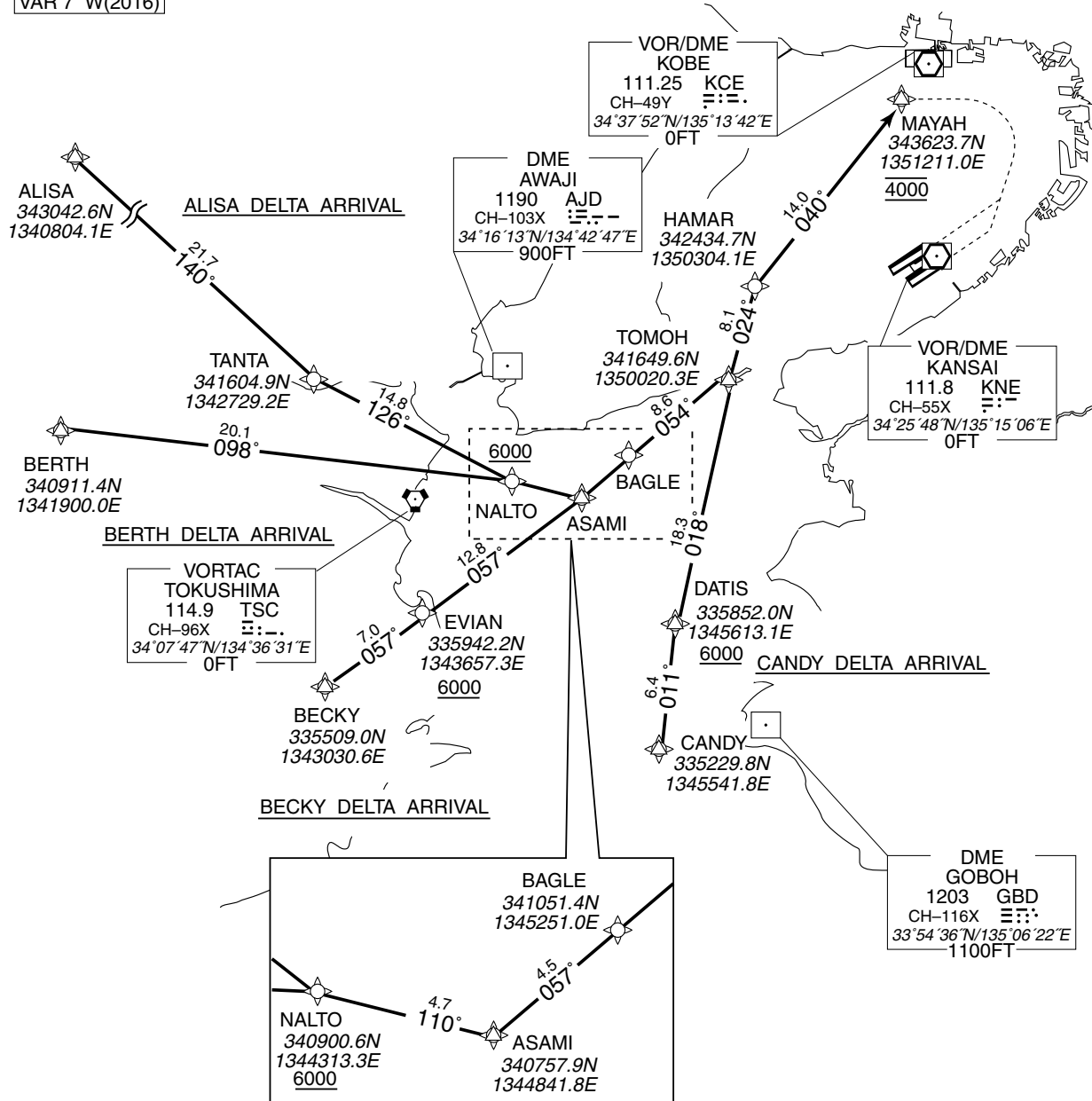
RNAV STAR RWY24L/24R

ALISA DELTA ARRIVAL  
BECKY DELTA ARRIVAL  
BERTH DELTA ARRIVAL  
CANDY DELTA ARRIVAL

RNAV1

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

VAR 7° W(2016)



## 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>KNE : 1.7NM to ASAMI - BAGLE<br>GBD : 7.1NM to HAMAR - 5.1NM to HAMAR |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1   |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | ALISA               | —        | —               | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 140<br>(132.3)  | -7.5               | 21.7          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | NALTO               | —        | 126<br>(118.4)  | -7.5               | 14.8          | —              | +6000         | —            | —              | RNAV1                    |
| 004           | TF              | ASAMI               | —        | 110<br>(103.0)  | -7.5               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | BAGLE               | —        | 057<br>(049.9)  | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | TOMOH               | —        | 054<br>(046.0)  | -7.5               | 8.6           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF              | HAMAR               | —        | 024<br>(016.2)  | -7.5               | 8.1           | —              | —             | —            | —              | RNAV1                    |
| 008           | TF              | MAYAH               | —        | 040<br>(032.4)  | -7.5               | 14.0          | —              | 4000          | —            | —              | RNAV1                    |

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           | KNE : ASAMI - BAGLE<br>GBD : 7.1NM to HAMAR - 5.1NM to HAMAR<br>AJD : 2.0NM to MAYAH - MAYAH |
| DME GAP                | —  |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1  |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | BECKY               | —        | —               | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | EVIAN               | —        | 057<br>(049.5)  | -7.5               | 7.0           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ASAMI               | —        | 057<br>(049.6)  | -7.5               | 12.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BAGLE               | —        | 057<br>(049.9)  | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | TOMOH               | —        | 054<br>(046.0)  | -7.5               | 8.6           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | HAMAR               | —        | 024<br>(016.2)  | -7.5               | 8.1           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF              | MAYAH               | —        | 040<br>(032.4)  | -7.5               | 14.0          | —              | 4000          | —            | —              | RNAV1                    |

## 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>KNE : 1.7NM to ASAMI - BAGLE<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               | —        | —               | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NALTO               | —        | 098<br>(090.4)  | -7.5               | 20.1          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | ASAMI               | —        | 110<br>(103.0)  | -7.5               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BAGLE               | —        | 057<br>(049.9)  | -7.5               | 4.5           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | TOMOH               | —        | 054<br>(046.0)  | -7.5               | 8.6           | —              | —             | —            | —              | RNAV1                    |
| 006           | TF              | HAMAR               | —        | 024<br>(016.2)  | -7.5               | 8.1           | —              | —             | —            | —              | RNAV1                    |
| 007           | TF              | MAYAH               | —        | 040<br>(032.4)  | -7.5               | 14.0          | —              | 4000          | —            | —              | RNAV1                    |

CANDY DELTA ARRIVAL

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

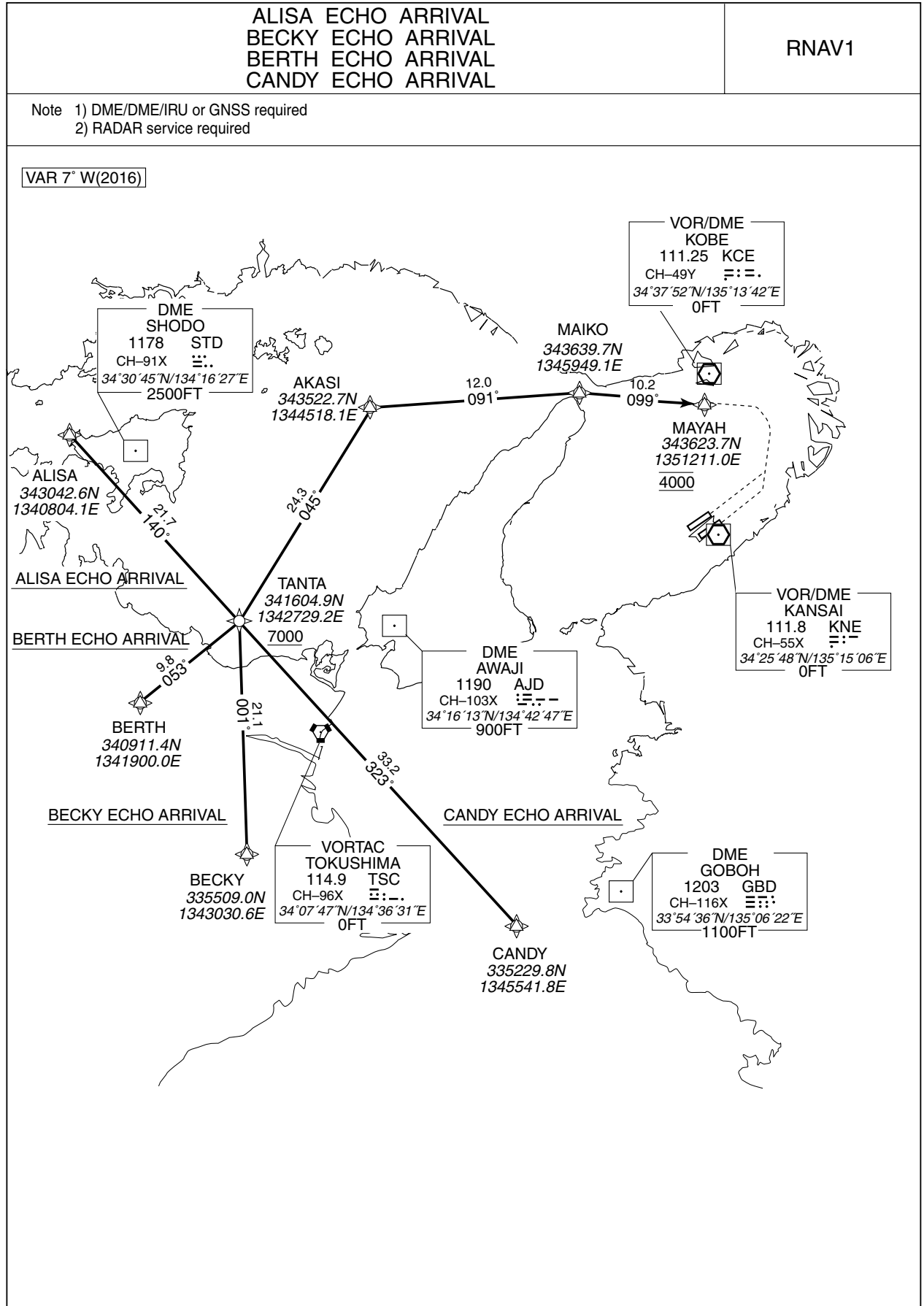
|                       |   |
|-----------------------|---|
| Critical DME          | GBD : 7.1NM to HAMAR - 5.1NM to HAMAR<br>AJD : 2.0NM to MAYAH - MAYAH |
| DME GAP               | —   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1                     |

| 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               | —        | —               | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DATIS               | —        | 011<br>(003.9)  | -7.5               | 6.4           | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | TOMOH               | —        | 018<br>(010.7)  | -7.5               | 18.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | HAMAR               | —        | 024<br>(016.2)  | -7.5               | 8.1           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 040<br>(032.4)  | -7.5               | 14.0          | —              | 4000          | —            | —              | RNAV1                    |

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<br>KNE : 8.0NM to MAYAH - MAYAH |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1   |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | ALISA               | —        | —               | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 140<br>(132.3)  | -7.5               | 21.7          | —              | +7000         | —            | —              | RNAV1                    |
| 003           | TF              | AKASI               | —        | 045<br>(037.2)  | -7.5               | 24.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | MAIKO               | —        | 091<br>(083.8)  | -7.5               | 12.0          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 099<br>(091.4)  | -7.5               | 10.2          | —              | 4000          | —            | —              | 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<br>KNE : 8.0NM to MAYAH - MAYAH |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1   |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | BECKY               | —        | —               | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 001<br>(353.2)  | -7.5               | 21.1          | —              | +7000         | —            | —              | RNAV1                    |
| 003           | TF              | AKASI               | —        | 045<br>(037.2)  | -7.5               | 24.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | MAIKO               | —        | 091<br>(083.8)  | -7.5               | 12.0          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 099<br>(091.4)  | -7.5               | 10.2          | —              | 4000          | —            | —              | RNAV1                    |

## 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<br>KNE : 8.0NM to MAYAH - MAYAH |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1   |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | BERTH               | —        | —               | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 053<br>(045.5)  | -7.5               | 9.8           | —              | +7000         | —            | —              | RNAV1                    |
| 003           | TF              | AKASI               | —        | 045<br>(037.2)  | -7.5               | 24.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | MAIKO               | —        | 091<br>(083.8)  | -7.5               | 12.0          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 099<br>(091.4)  | -7.5               | 10.2          | —              | 4000          | —            | —              | 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<br>KNE : 8.0NM to MAYAH - MAYAH |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1   |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | CANDY               | —        | —               | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TANTA               | —        | 323<br>(315.4)  | -7.5               | 33.2          | —              | +7000         | —            | —              | RNAV1                    |
| 003           | TF              | AKASI               | —        | 045<br>(037.2)  | -7.5               | 24.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | MAIKO               | —        | 091<br>(083.8)  | -7.5               | 12.0          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MAYAH               | —        | 099<br>(091.4)  | -7.5               | 10.2          | —              | 4000          | —            | —              | RNAV1                    |

INSTRUMENT APPROACH CHART



## RJBB / KANSAI INTL

ILS Y or LOC Y RWY06L (CAT II)

VAR 8°W (2017)

MSA 25NM

KNE

4200

180°

270°

360°

4800

5800

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

LILAC  
D16.3 KCE  
D13.6 KNE

MHA 3000  
MAX 230 KIAS

D22.0 KCE

JENNY (FAF)  
D12.1 IKJ

BERRY (IF)  
D17.1 IKJ

D31.4 KCE  
D21.8 IKJ

GATES (IAF)  
D35.9 KCE

VOR/DME KAN  
111.8 KNE  
CH-55X  
34°25'48"N/135°15'06"E

KCE R237

KNE R283

HDG 238°

500

HDG 058°

IM

MAPt(LOC)  
D0.6 IKJ

JENNY (FAF): 34 1810.01N/1350109.76E

BERRY  
D17.1 IKJ

D25.0 IKJ

D33.0 KNE

GATES

D27.7 KNE

KNE R238

KNE

EQPT REQUIRED  
DME  
VOR

**MISSED APPROACH**

Climb to 500FT on HDG058°, turn left HDG238° to intercept and proceed via KNE R283 to LILAC and hold at 3000FT. Contact KANSAI APP.

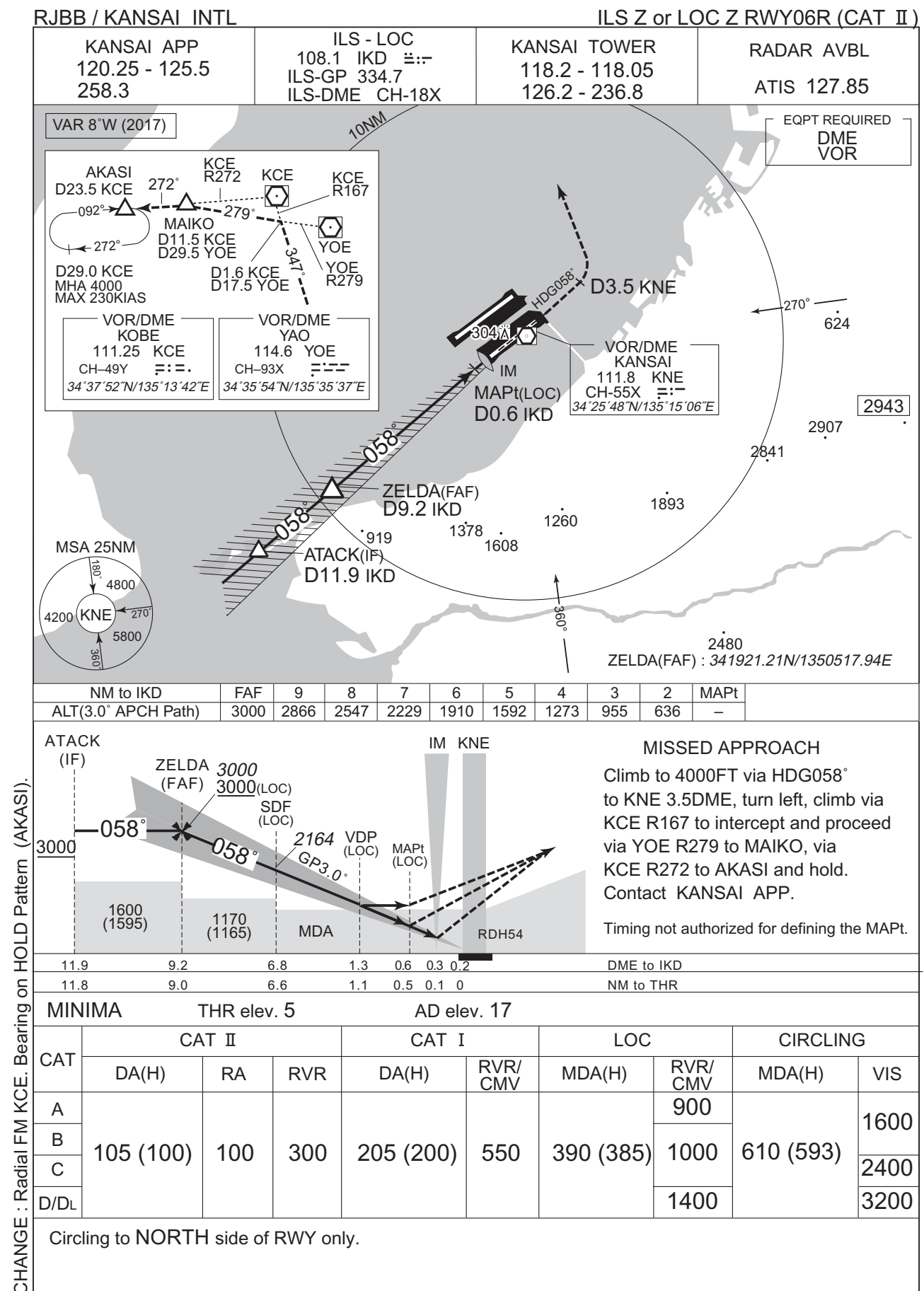
Timing not authorized for defining the MAPt

| MINIMA |              |     |     | THR elev. 15 |             | AD elev. 17  |             |              |      |
|--------|--------------|-----|-----|--------------|-------------|--------------|-------------|--------------|------|
| CAT    | CAT II       |     |     | CAT I        |             | LOC          |             | CIRCLING     |      |
|        | DA(H)        | RA  | RVR | DA(H)        | RVR/<br>CMV | MDA(H)       | RVR/<br>CMV | MDA(H)       | VIS  |
| A      | 115<br>(100) | 100 | 300 | 215<br>(200) | 550         | 290<br>(273) | 800         | 610<br>(593) | 1600 |
| B      |              |     |     |              |             |              |             |              | 2400 |
| C      |              |     |     |              |             |              |             |              | 2400 |
| D/DL   |              |     |     |              |             |              | 3200        |              |      |
|        |              |     |     |              |             |              | 1200        |              |      |

Circling to NORTH side of RWY only.

CHANGE : Radial FM KCE. Bearing on HOLD Pattern (LILAC).

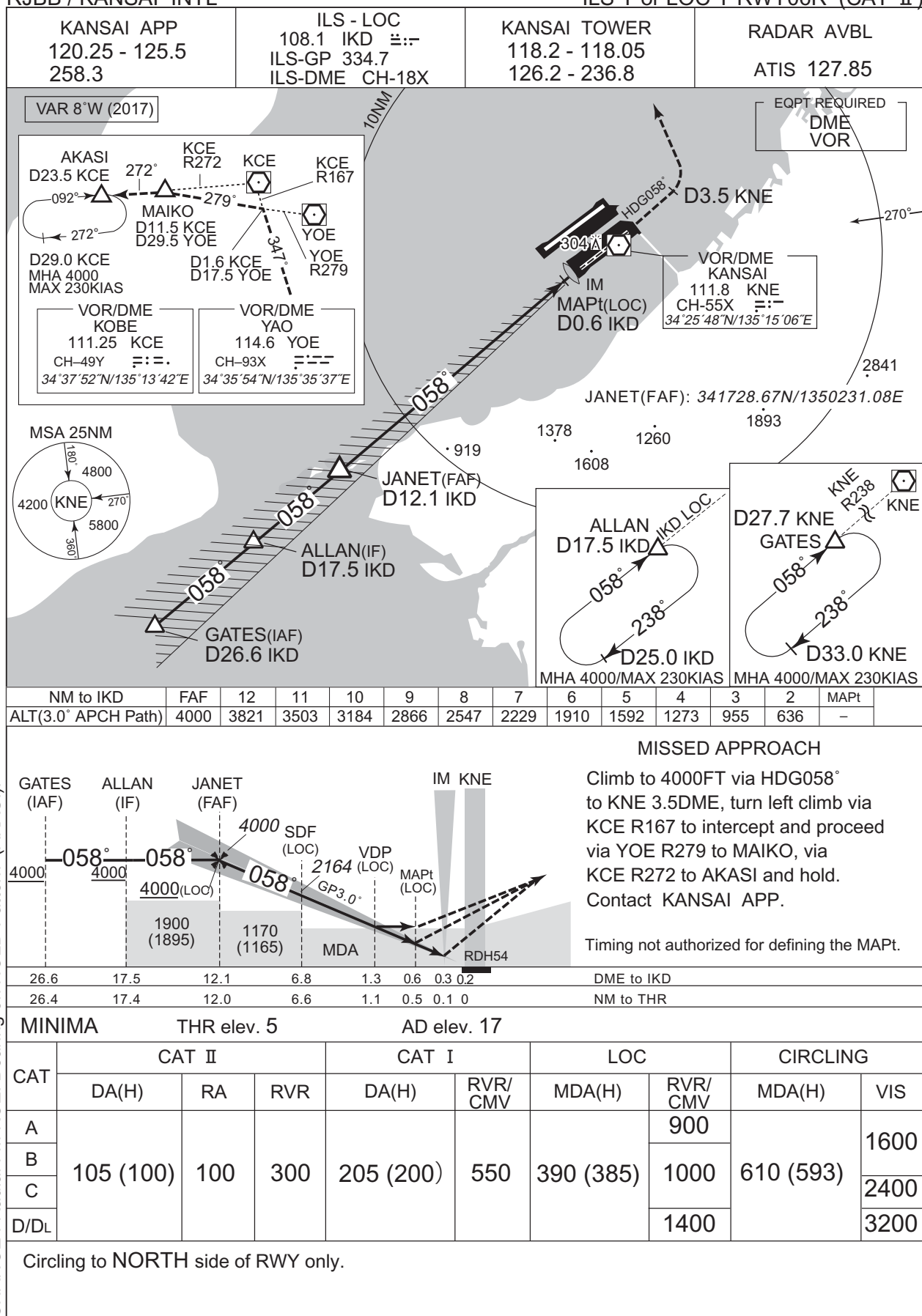
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

ILS Y or LOC Y RWY06R (CAT II)



CHANGE : Radial FM KCE. Bearing on HOLD Pattern (AKASI).

## RJBB / KANSAI INTL

ILS Z or LOC Z RWY24L (CAT II)

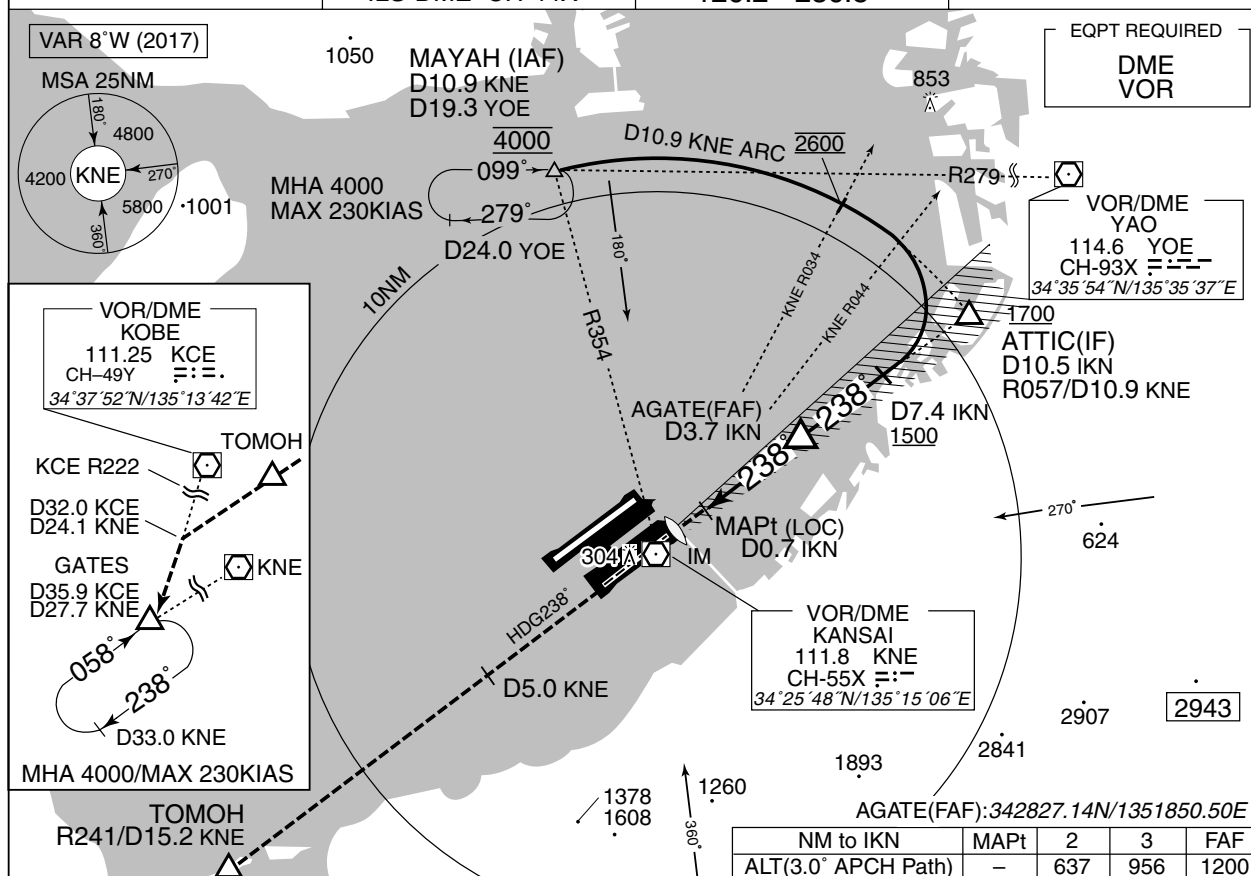


## INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

ILS Y or LOC Y RWY24L (CAT II)

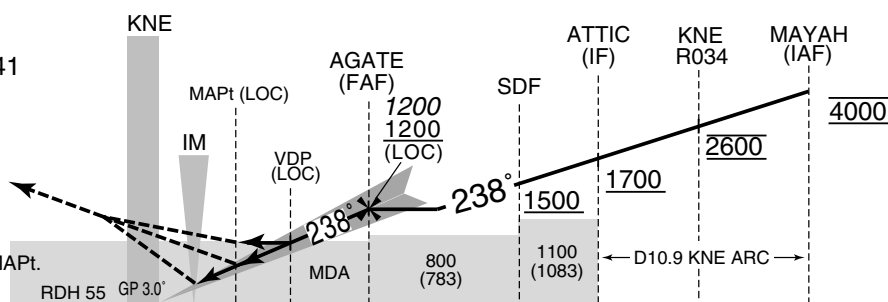
|                                       |  |   |                               |
|---------------------------------------|--|---|-------------------------------|
| KANSAI APP<br>120.25 - 125.5<br>258.3 | ILS - LOC<br>110.7 IKN ≡:-<br>ILS-GP 330.2<br>ILS-DME CH-44X | KANSAI TOWER<br>118.2 - 118.05<br>126.2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



## MISSED APPROACH

Climb on HDG238° to KNE  
5.0DME, proceed via KNE R241  
to TOMOH, via KNE R241 to  
intercept and proceed via KCE  
R222 to GATES and hold at  
4000FT.  
Contact KANSAI APP.

Timing not authorized for defining the MAPt.



| DME to IKN | 0.2 | 0.3 | 0.7 | 1.3 | 3.7 | 7.4 | 10.5 |
|------------|-----|-----|-----|-----|-----|-----|------|
|------------|-----|-----|-----|-----|-----|-----|------|

| NM to THR | 0 | 0.1 | 0.5 | 1.1 | 3.5 | 7.2 | 10.3 |
|-----------|---|-----|-----|-----|-----|-----|------|
|-----------|---|-----|-----|-----|-----|-----|------|

## MINIMA

THR elev. 13

AD elev. 17

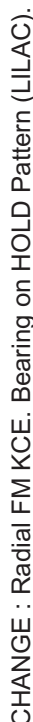
| CAT  | CAT II    |     |     | CAT I     |         | LOC       |         | CIRCLING  |      |
|------|-----------|-----|-----|-----------|---------|-----------|---------|-----------|------|
|      | DA(H)     | RA  | RVR | DA(H)     | RVR/CMV | MDA(H)    | RVR/CMV | MDA(H)    | VIS  |
| A    | 113 (100) | 100 | 300 | 213 (200) | 550     | 390 (373) | 900     | 610 (593) | 1600 |
| B    |           |     |     |           |         |           | 1000    |           | 2400 |
| C    |           |     |     |           |         |           | 1400    |           | 3200 |
| D/DL |           |     |     |           |         |           |         |           |      |

Circling to NORTH side of RWY only.

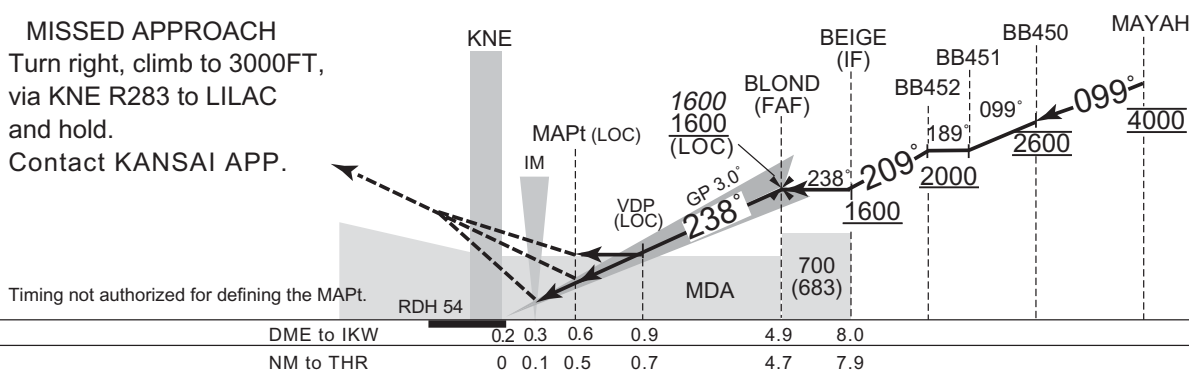


## RJBB / KANSAI INTL

ILS Z or LOC Z RWY24R (CAT II)



Timing not authorized for defining the MAPt.



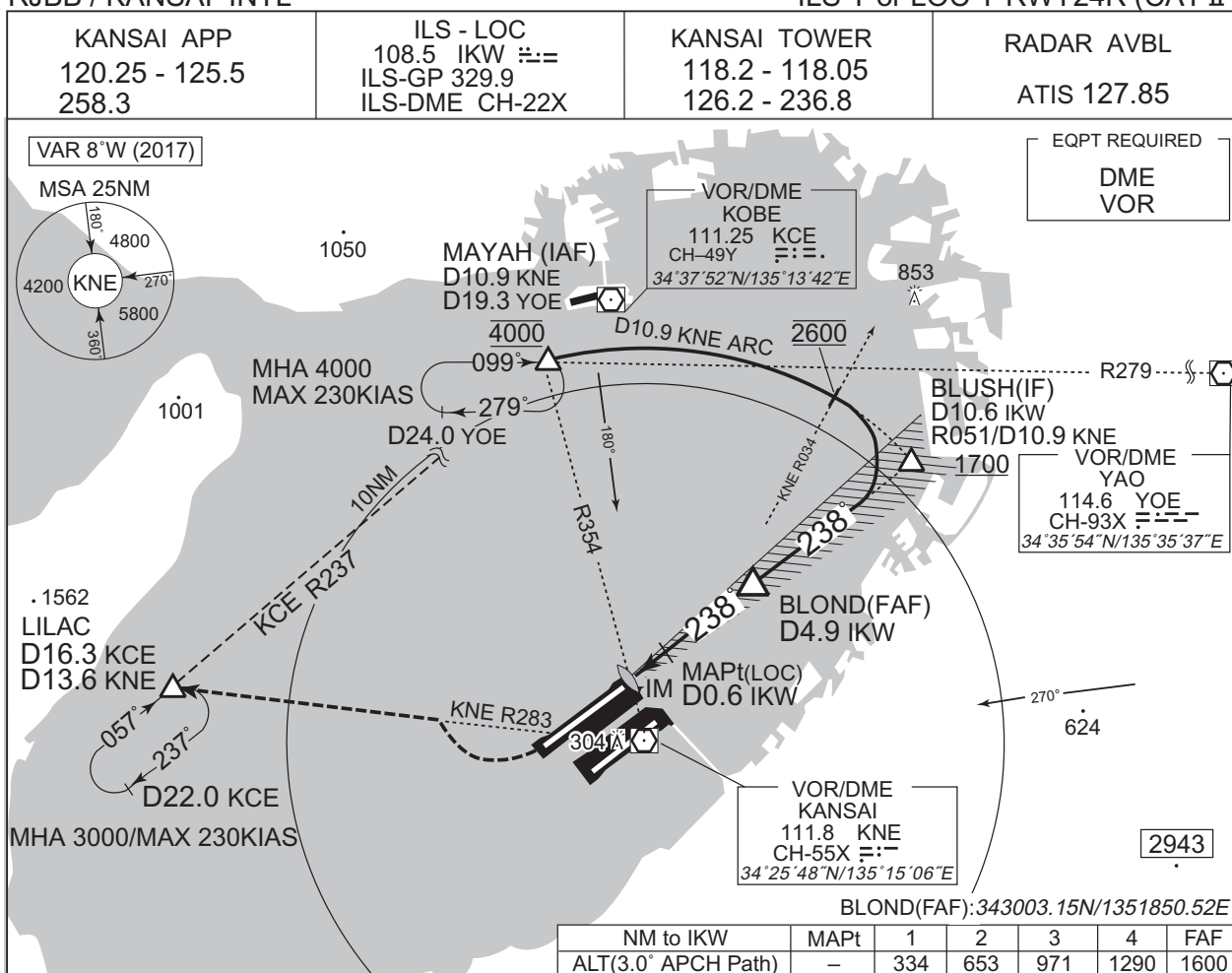
| MINIMA |              |     | THR elev. 23 |              |             | AD elev. 17  |             |              |      |
|--------|--------------|-----|--------------|--------------|-------------|--------------|-------------|--------------|------|
| CAT    | CAT II       |     |              | CAT I        |             | LOC          |             | CIRCLING     |      |
|        | DA(H)        | RA  | RVR          | DA(H)        | RVR/<br>CMV | MDA(H)       | RVR/<br>CMV | MDA(H)       | VIS  |
| A      | 123<br>(100) | 100 | 300          | 223<br>(200) | 550         | 290<br>(273) | 800         | 610<br>(593) | 1600 |
| B      |              |     |              |              |             |              |             |              | 2400 |
| C      |              |     |              |              |             |              |             |              | 2400 |
| D/DL   |              |     |              |              |             | 3200         |             |              |      |

Circling to **NORTH** side of RWY only.

## INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

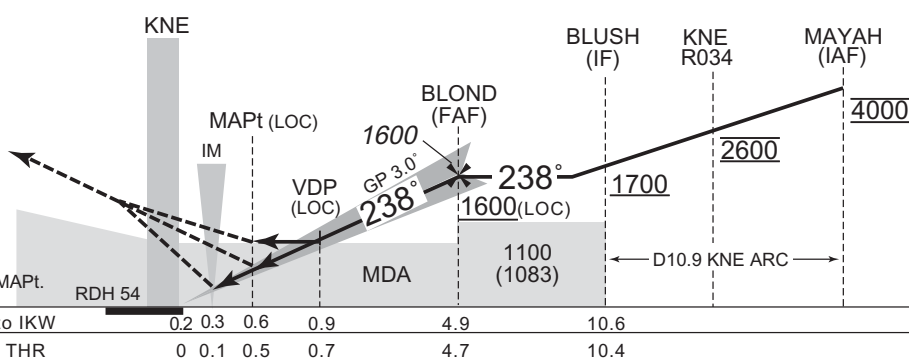
ILS Y or LOC Y RWY24R (CAT II)



CHANGE : Radial FM KCE. Bearing on HOLD Pattern (LILAC).

**MISSED APPROACH**  
Turn right, climb to 3000FT,  
via KNE R283 to LILAC  
and hold.  
Contact KANSAI APP.

Timing not authorized for defining the MAPt.



**MINIMA**      THR elev. 23      AD elev. 17

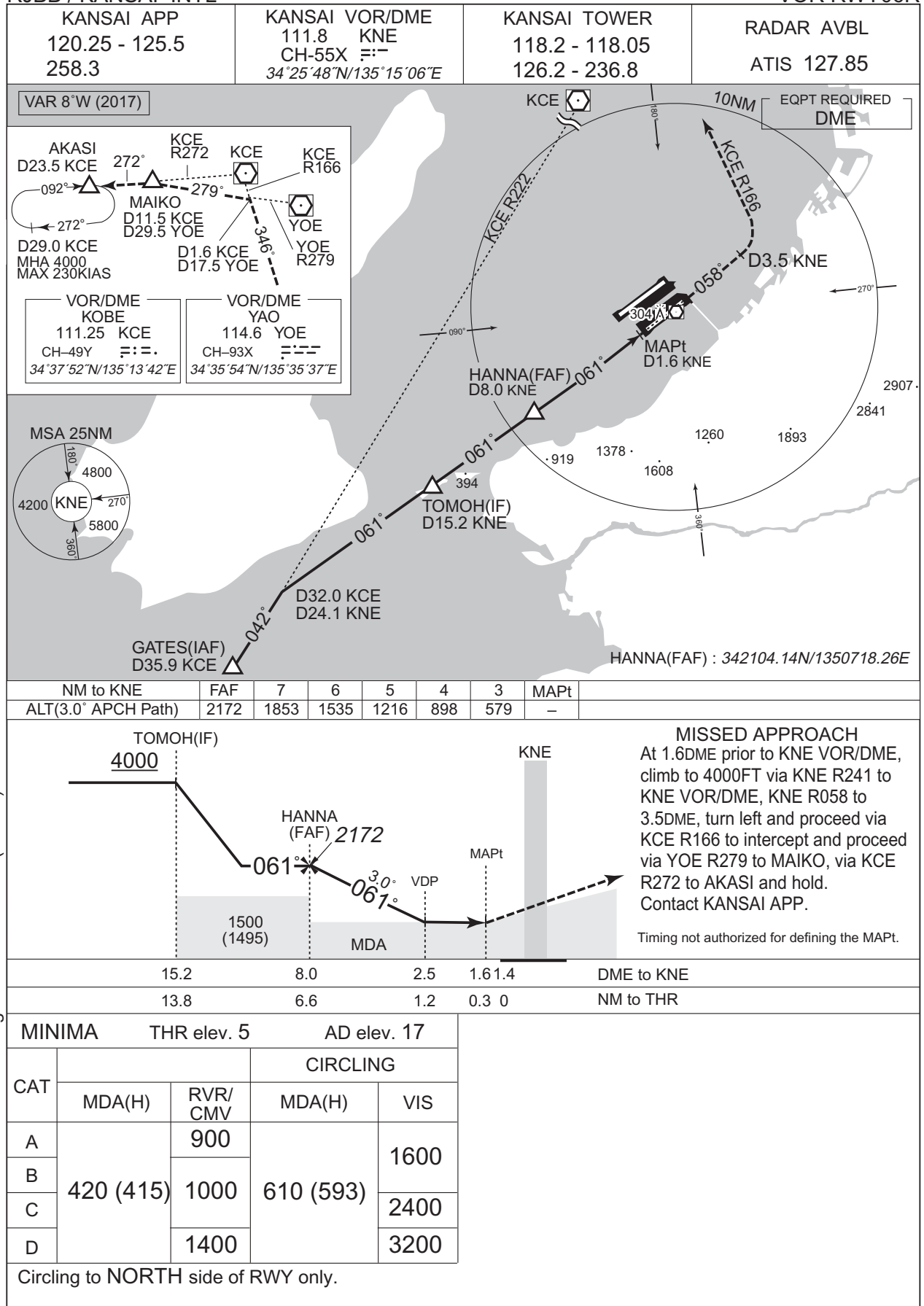
| CAT  | CAT II       |     |     | CAT I        |         | LOC          |         | CIRCLING     |      |
|------|--------------|-----|-----|--------------|---------|--------------|---------|--------------|------|
|      | DA(H)        | RA  | RVR | DA(H)        | RVR/CMV | MDA(H)       | RVR/CMV | MDA(H)       | VIS  |
| A    | 123<br>(100) | 100 | 300 | 223<br>(200) | 550     | 290<br>(273) | 800     | 610<br>(593) | 1600 |
| B    |              |     |     |              |         |              |         |              | 2400 |
| C    |              |     |     |              |         |              |         |              | 3200 |
| D/DL |              |     |     |              |         |              | 1200    |              |      |

Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

VOR RWY06R



CHANGE : Radial FM KCE: Bearing on HOLD Pattern (AKASI).

## INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

VOR RWY24L

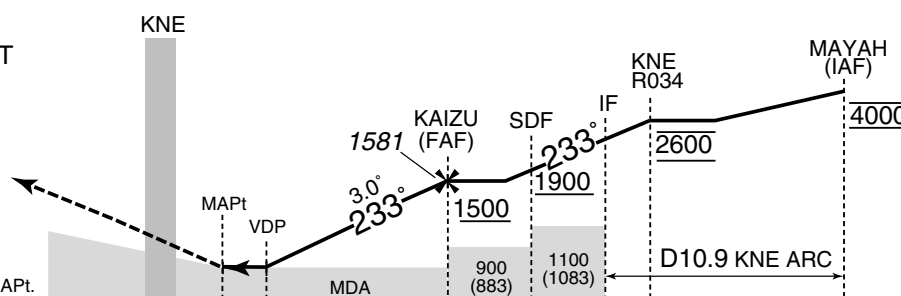
|                                       |   |   |                           |
|---------------------------------------|---|---|---------------------------|
| KANSAI APP<br>120.25 - 125.5<br>258.3 | KANSAI VOR/DME<br>111.8 KNE<br>CH-55X<br>34°25'48"N/135°15'06"E | KANSAI TOWER<br>118.2 - 118.05<br>126.2 - 236.8 | RADAR AVBL<br>ATIS 127.85 |
|---------------------------------------|---|---|---------------------------|



## MISSED APPROACH

At 1.4DME prior to KNE VOR/DME, climb to 4000FT via KNE R053 to KNE VOR/DME, KNE R241 to TOMOH, via KNE R241 to intercept and proceed via KCE R222 to GATES and hold. Contact KANSAI APP.

Timing not authorized for defining the MAPt.



|            |     |     |     |     |     |      |
|------------|-----|-----|-----|-----|-----|------|
| DME to KNE | 0.5 | 1.4 | 1.8 | 5.3 | 8.8 | 10.9 |
| NM to THR  | 0   | 0.9 | 1.3 | 4.8 | 8.2 | 10.3 |

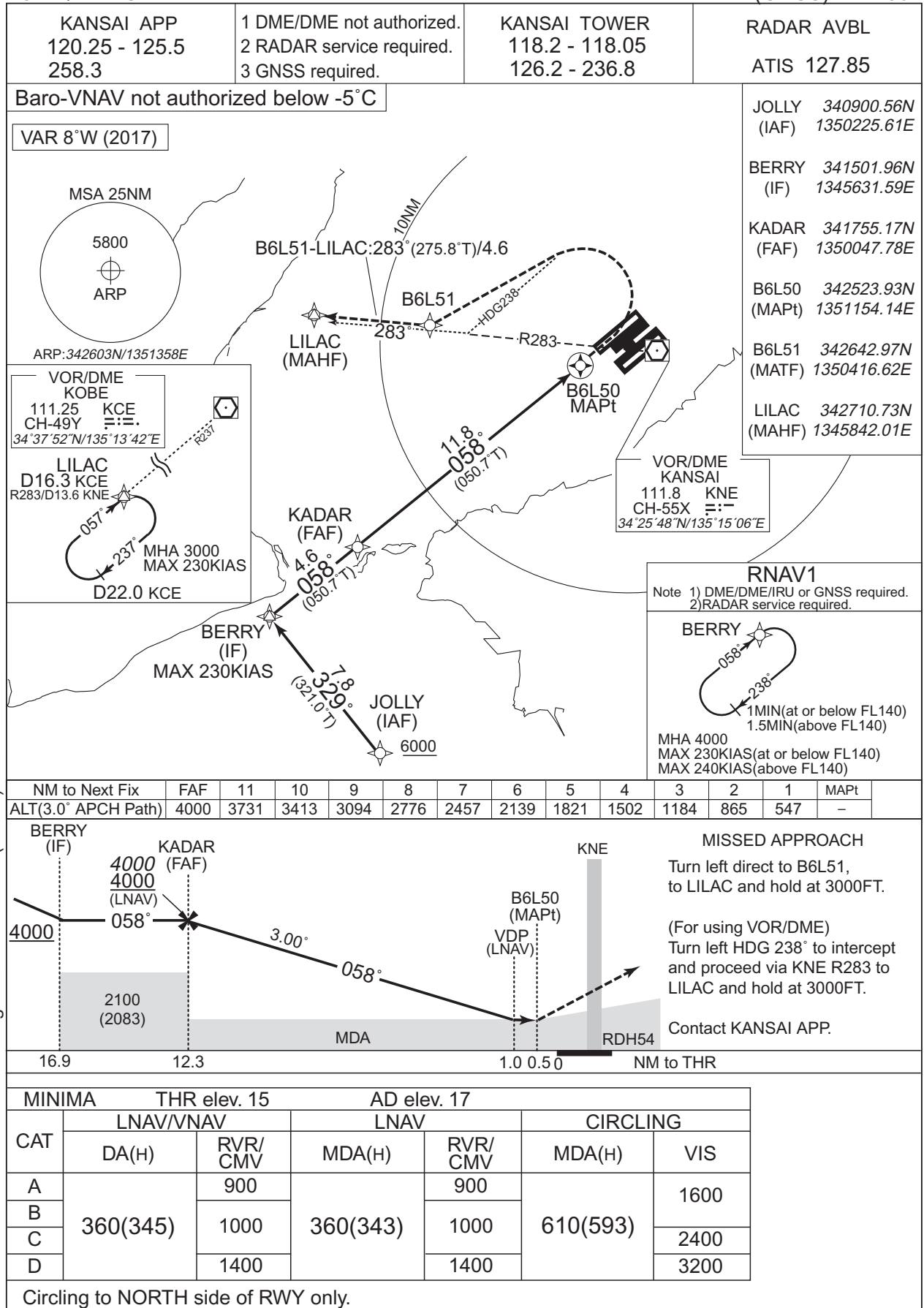
| MINIMA |           | THR elev. 13 | AD elev. 17 |      |
|--------|-----------|--------------|-------------|------|
| CAT    |           |              | CIRCLING    |      |
|        | MDA(H)    | RVR/<br>CMV  | MDA(H)      | VIS  |
| A      | 450 (433) | 900          | 610 (593)   | 1600 |
| B      |           | 1000         |             | 2400 |
| C      |           |              |             |      |
| D      |           | 1400         |             | 3200 |

Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

RNAV(GNSS) RWY06L

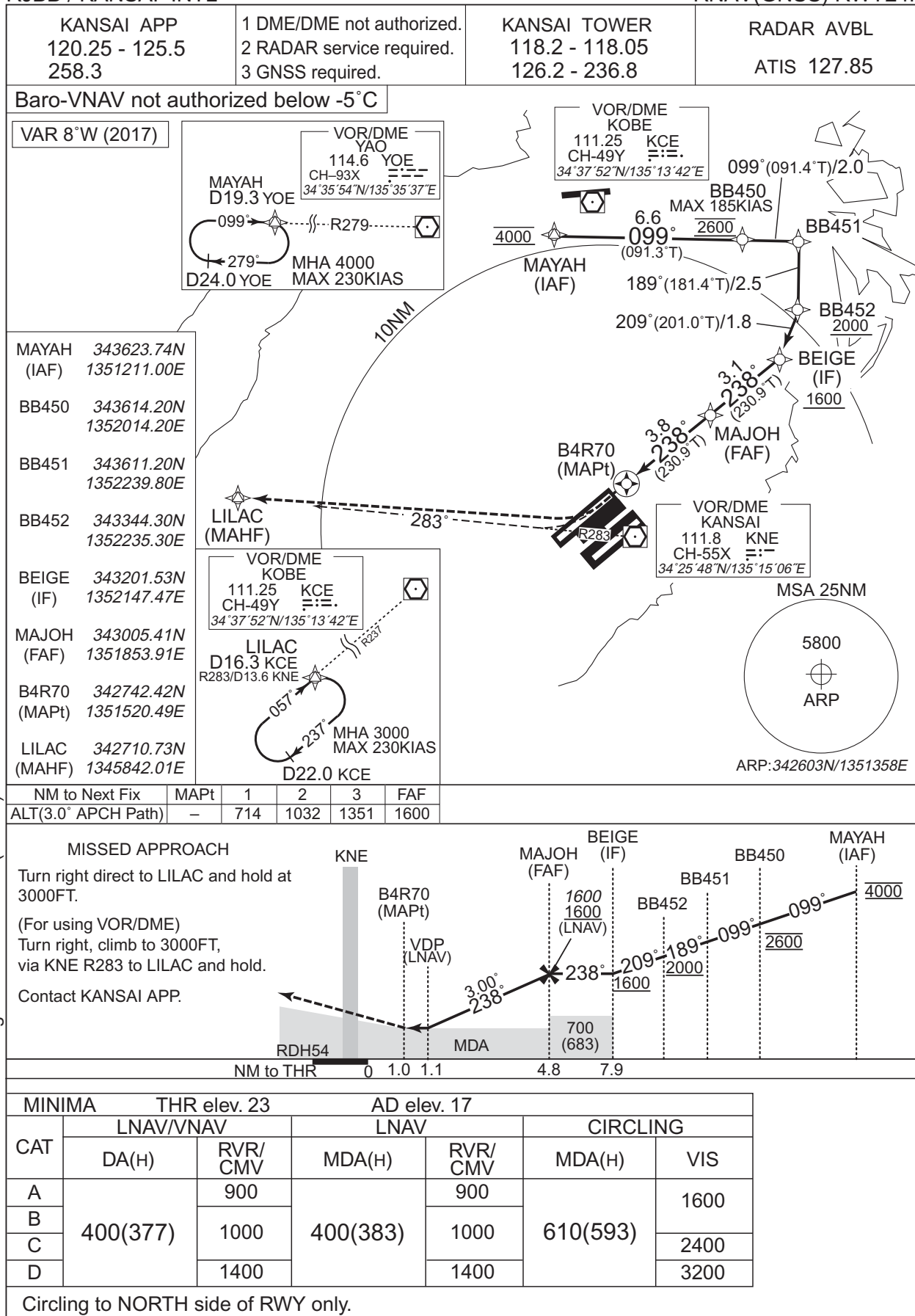


CHANGE : Radial FM KCE. Bearing on HOLD Pattern (LILAC).

## INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

RNAV(GNSS) RWY24R



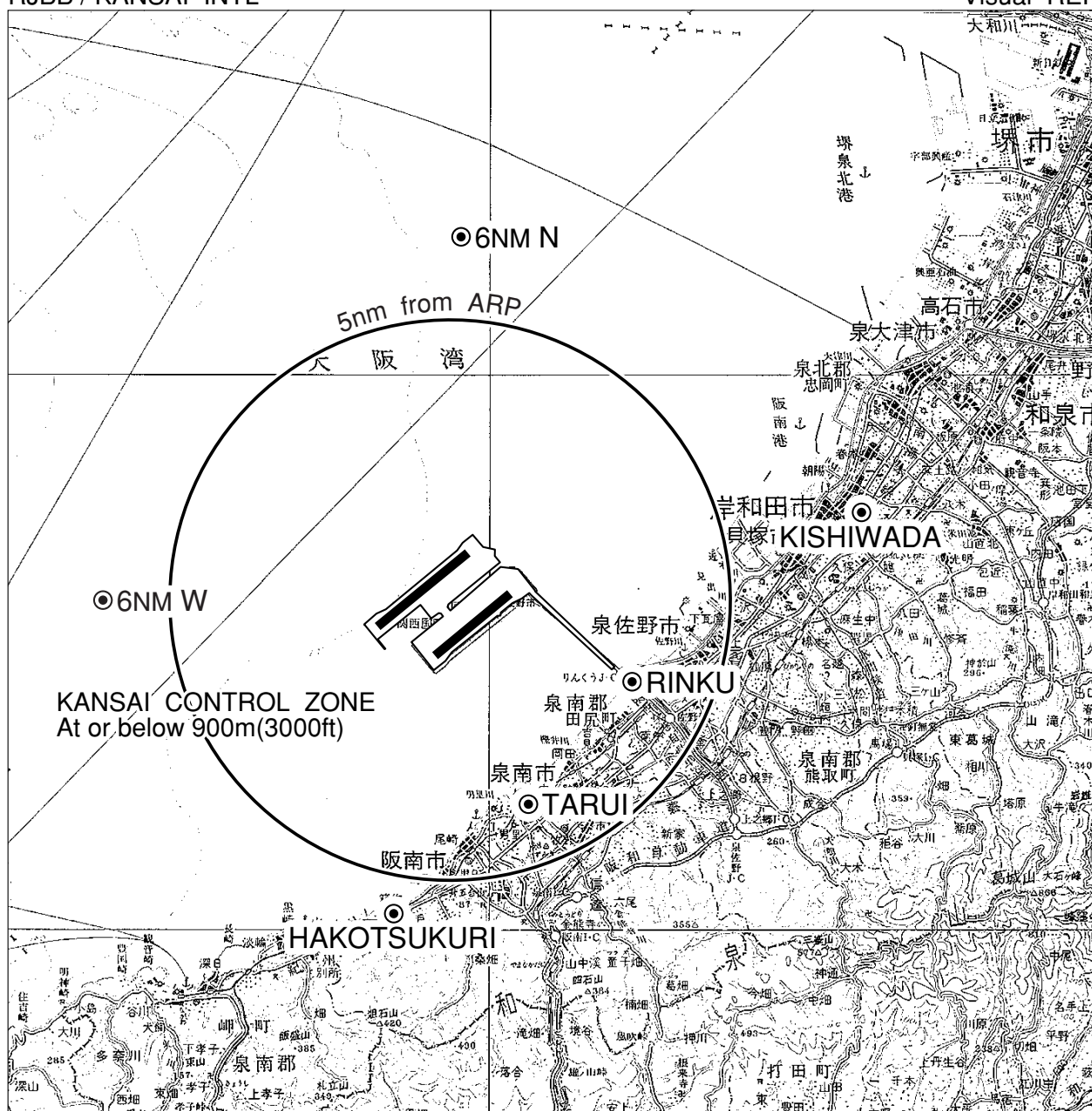


## HLDG PATTERN

[illegible]

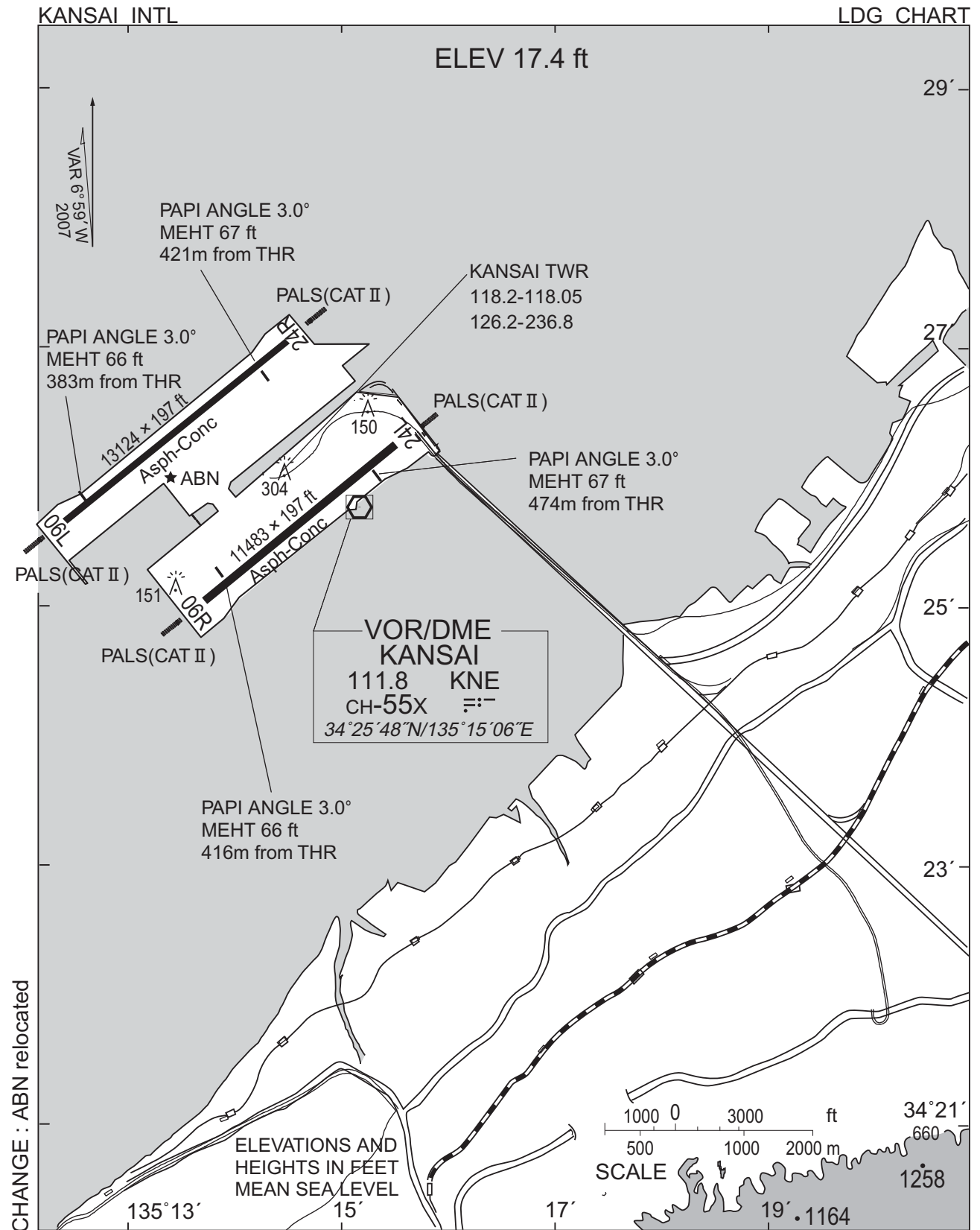
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Visual REP



| Call sign         | BRG / DIST from ARP | Remarks              |
|-------------------|---------------------|----------------------|
| りんくう<br>Rinku     | 119°/3.6NM          | ゲートタワービル<br>Building |
| 樽井<br>Tarui       | 165°/3.9NM          | 南海本線・樽井駅<br>Station  |
| 箱作<br>Hakotsukuri | 197°/5.7NM          | 南海本線・箱作駅<br>Station  |
| 岸和田<br>Kishiwada  | 084°/7.4NM          | 南海本線・岸和田駅<br>Station |
| 6NM W             | 270°/6.0NM          | 海上<br>Over the sea   |
| 6NM N             | 360°/6.0NM          | 海上<br>Over the sea   |





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Minimum Vectoring Altitude CHART

