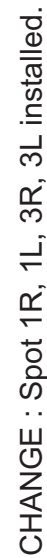


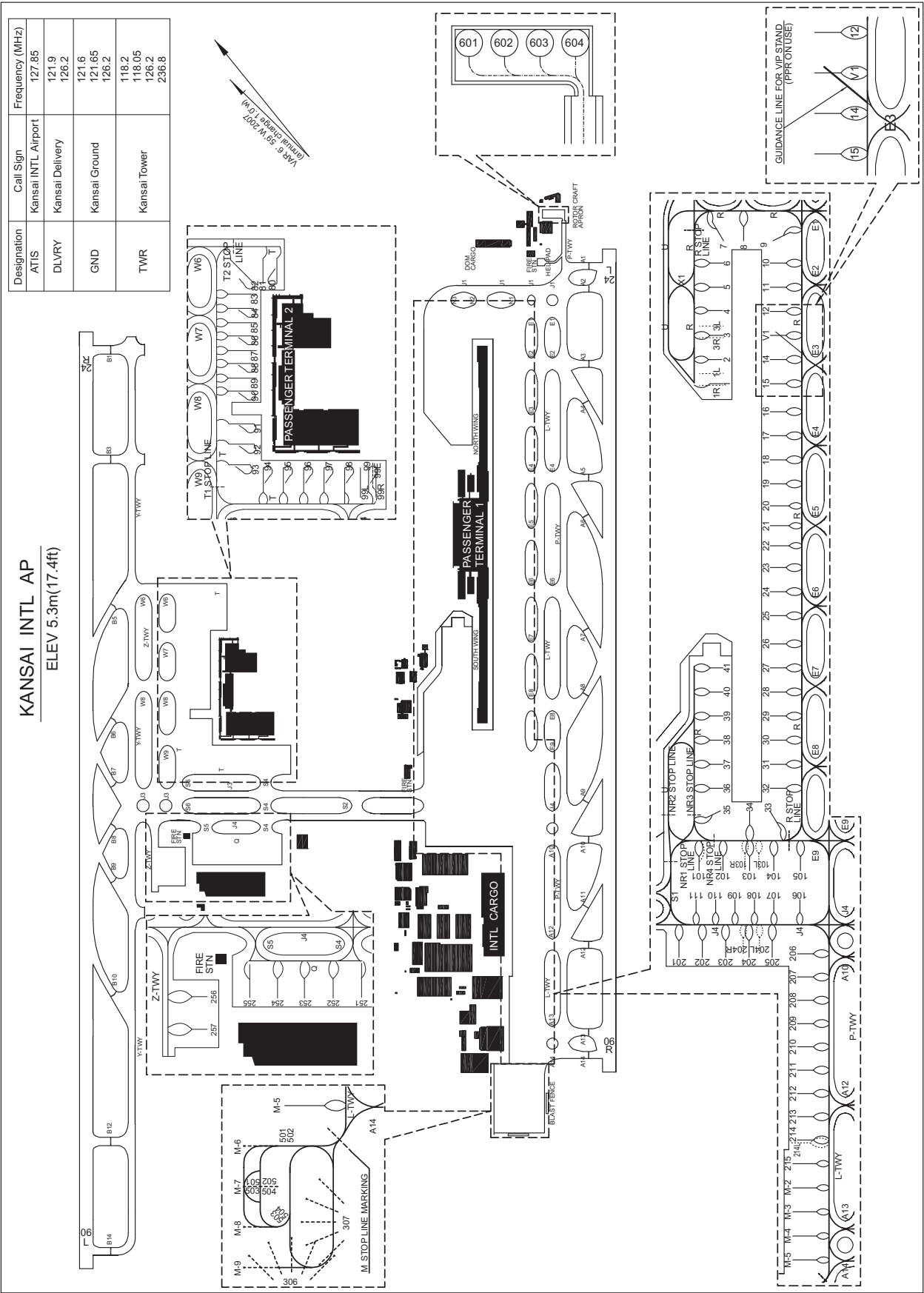
KANSAI INTERNATIONAL AIRPORT
ELEV 5.3m(17.4ft)



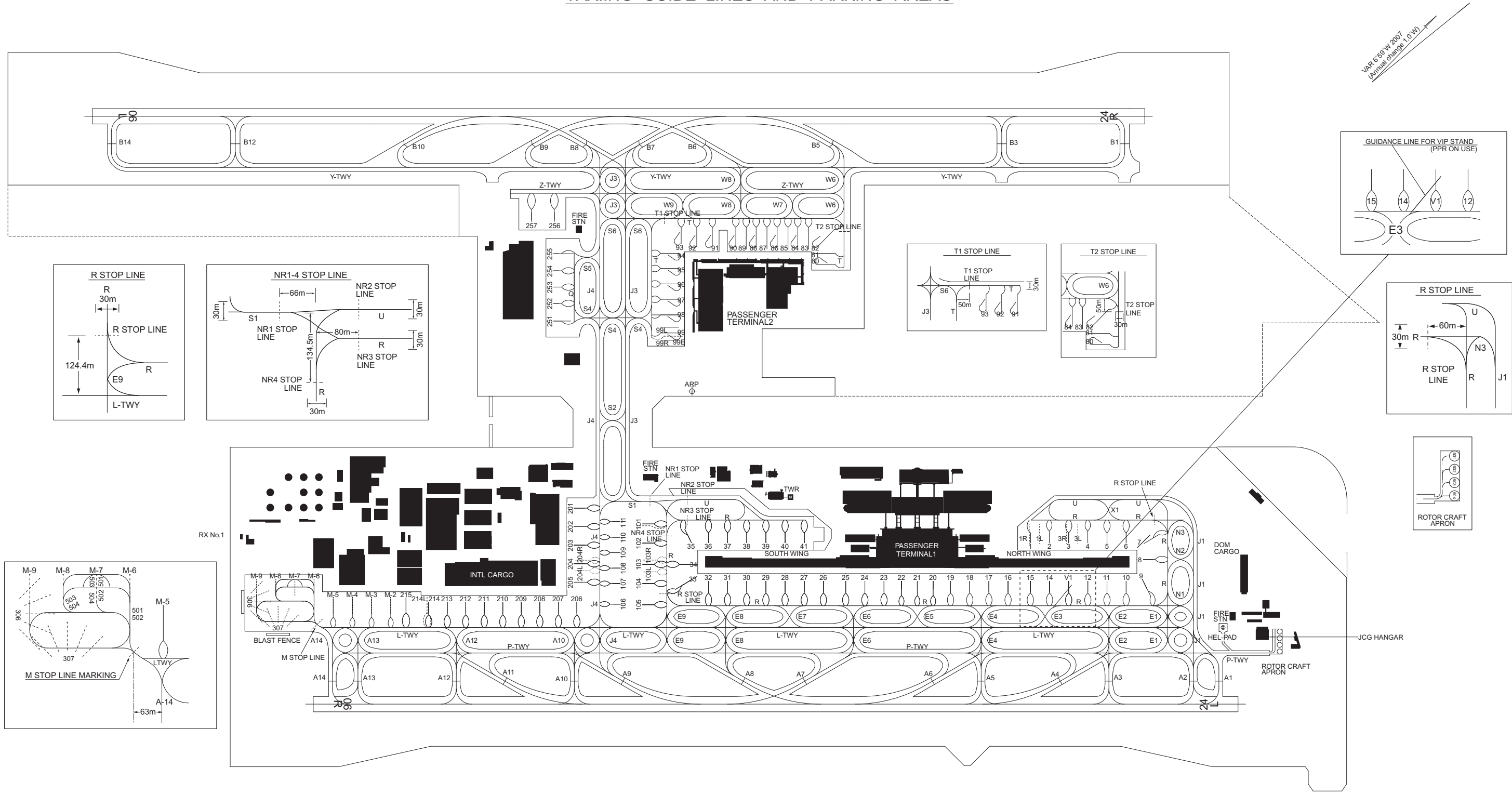
RJBB / KANSAI INTL

AD CHART

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



TAXIING GUIDE LINES AND PARKING AREAS

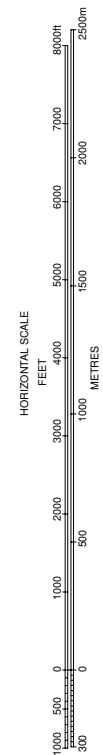
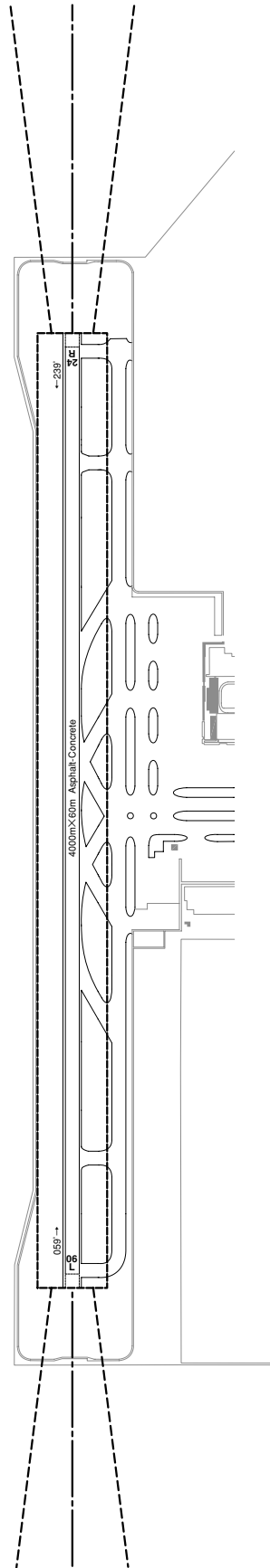
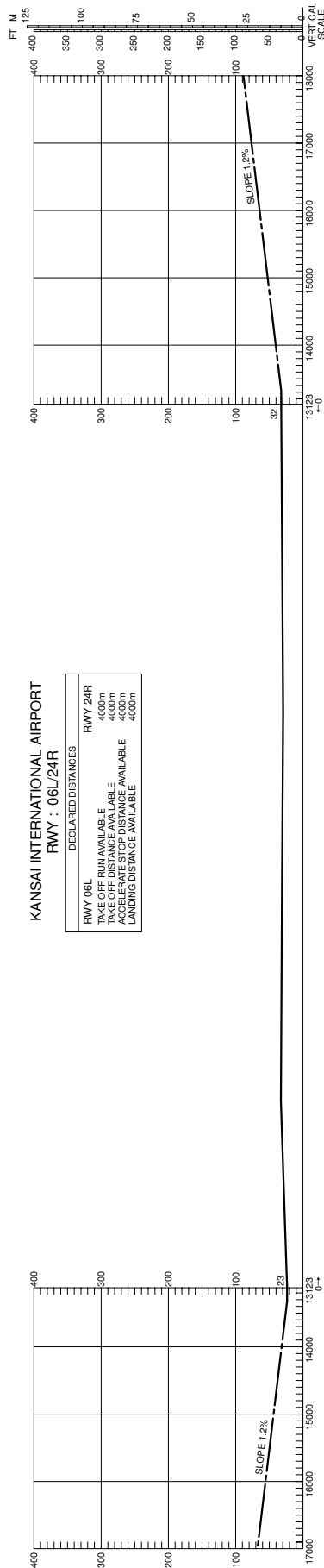


DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC



DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8° W - FEB 2017



| LEGEND | | ADJUSTMENT RECORD | |
|--------|-------------------------------------|-------------------|------------|
| | IDENTIFICATION NUMBER | DATE | ENTERED BY |
| ① | POLE, TOWER, SPIRE, ANTENNA, ETC | | |
| ⊙ | POLE, TOWER, SPIRE, ANTENNA, ETC | | |
| ✱ | TREE | | |
| — | RAILROAD | | |
| — | TRANSMISSION LINE OR OVERHEAD CABLE | | |
| ▲ | TRIANGULATION POINT | | |
| ▲ | AERIAL POINT, GROUND LIGHT | | |

AERODROME OBSTRUCTION CHART

TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETICS











RJBB / KANSAI INTL

SID

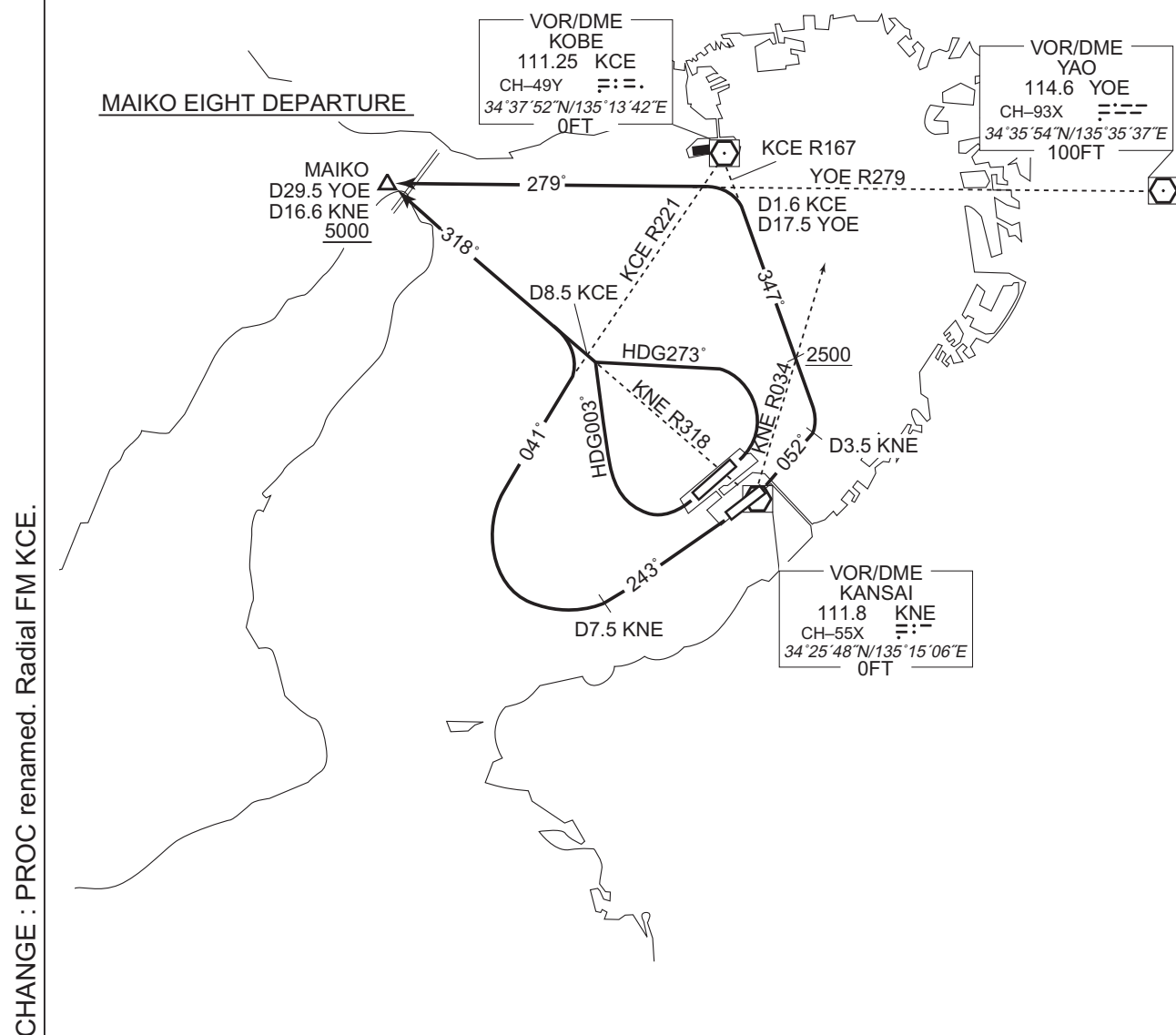
RWY06R: Climb via KNE R052 to 3.5DME, turn left, via KCE R167 to intercept and proceed via YOJ R279 to MAIKO.

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

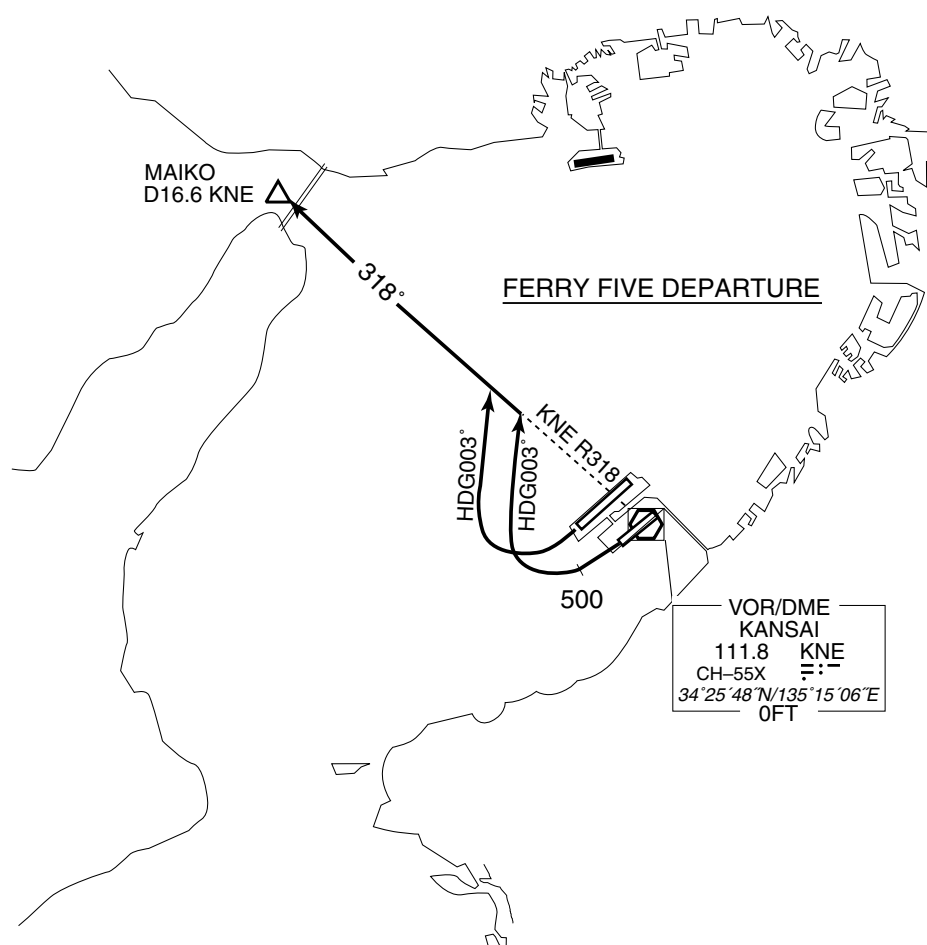
SID

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.

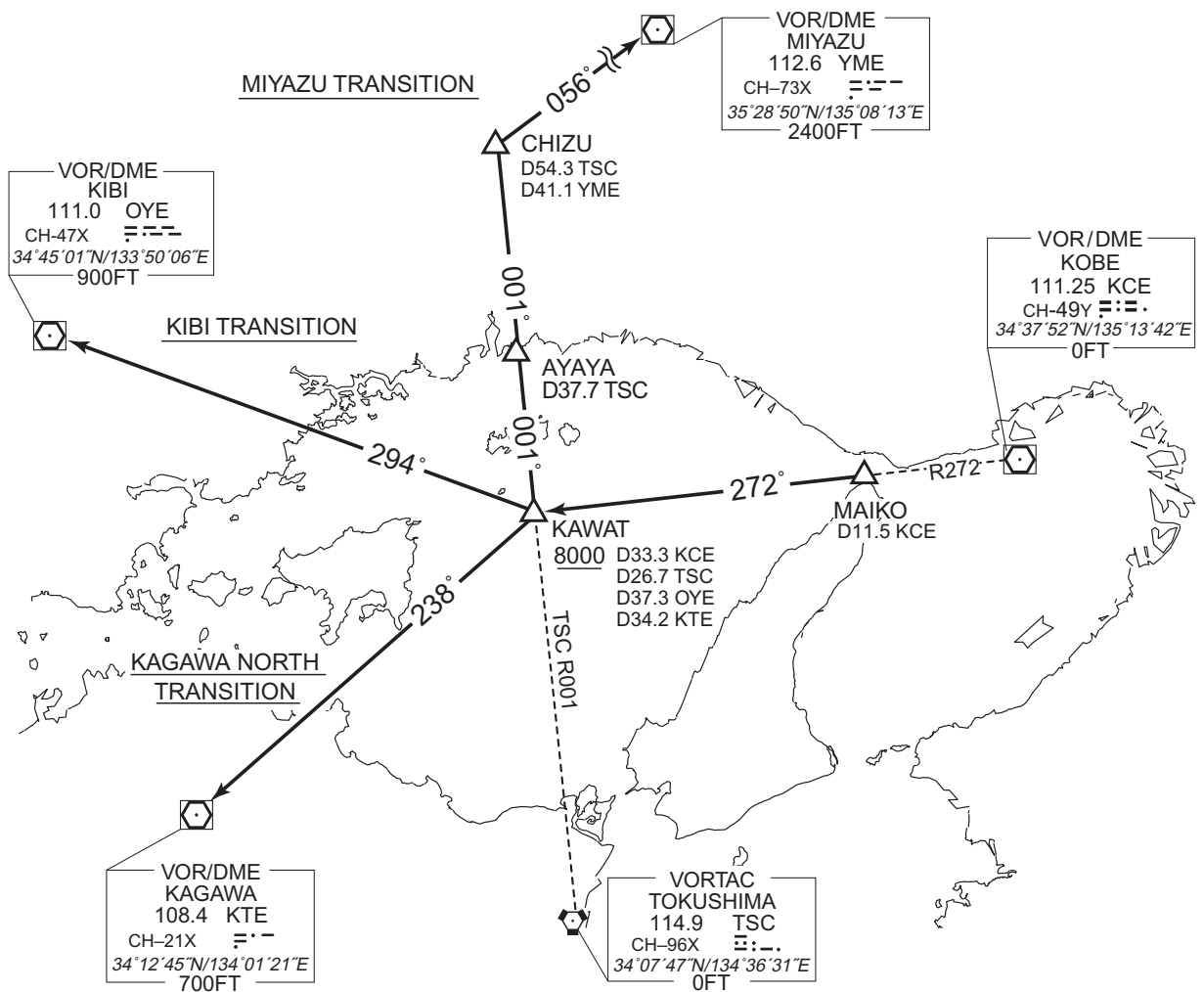
KIBI TRANSITION

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.



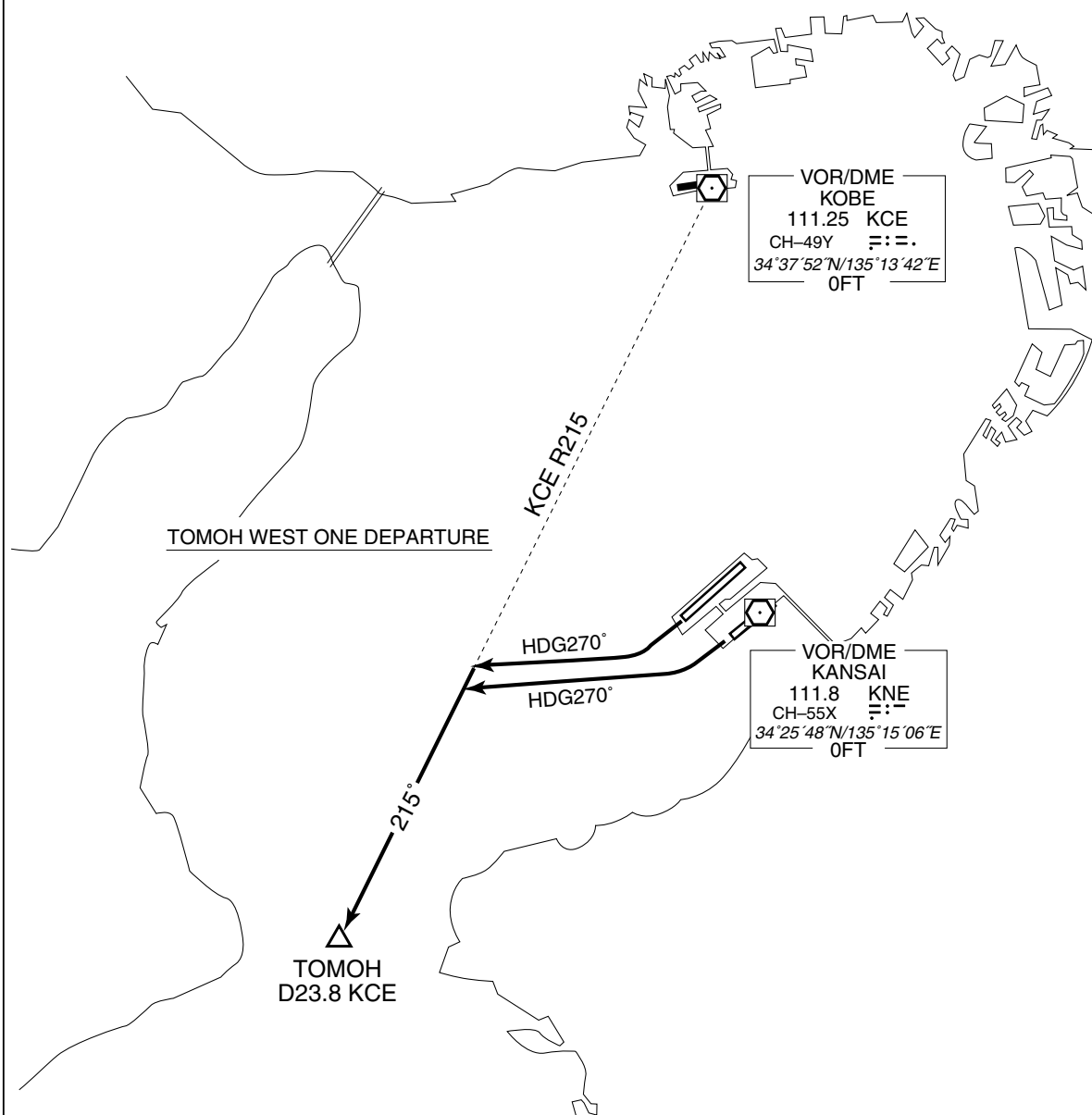
STANDARD DEPARTURE CHART-INSTRUMENT

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

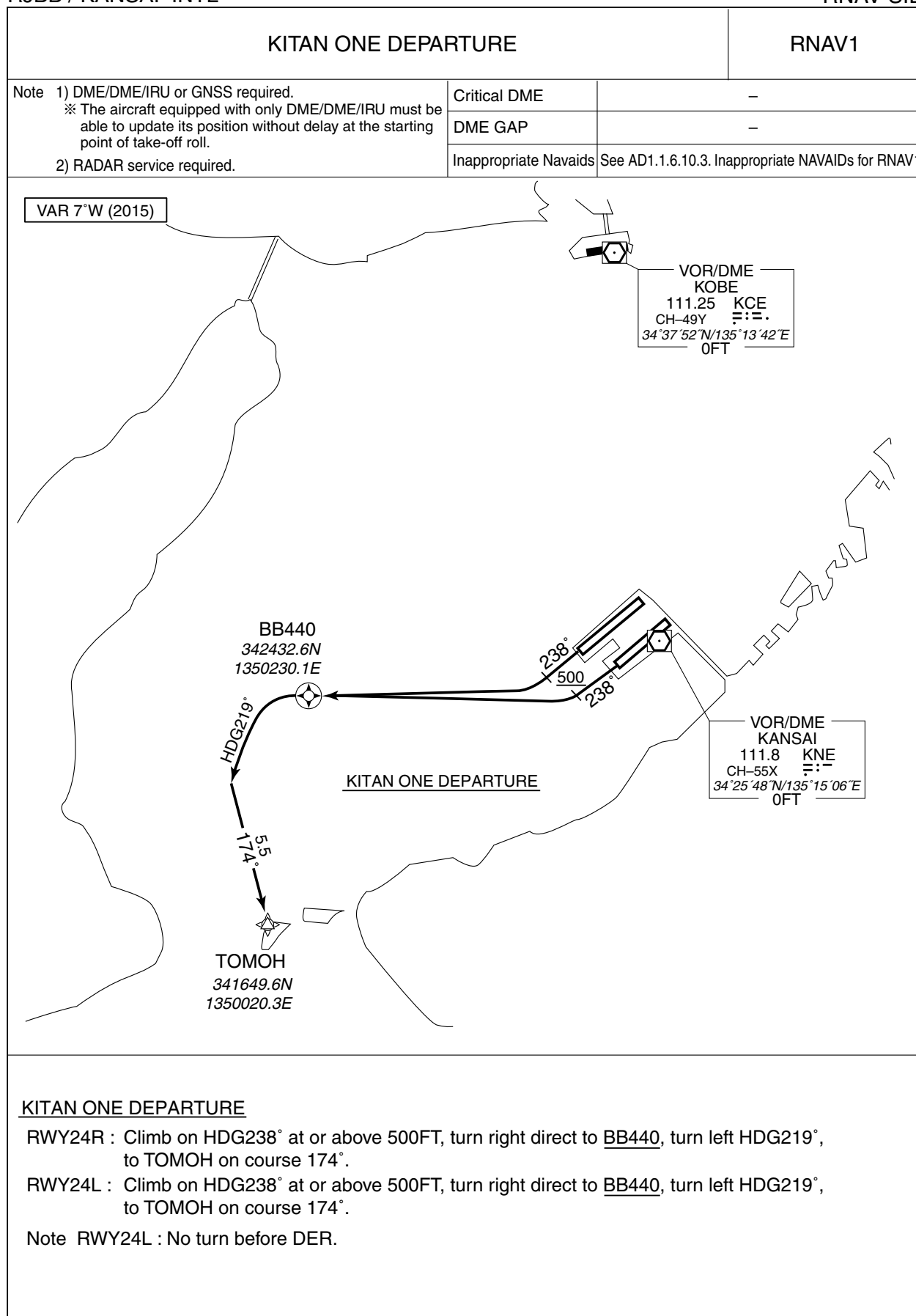
TRANSITION



STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID



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

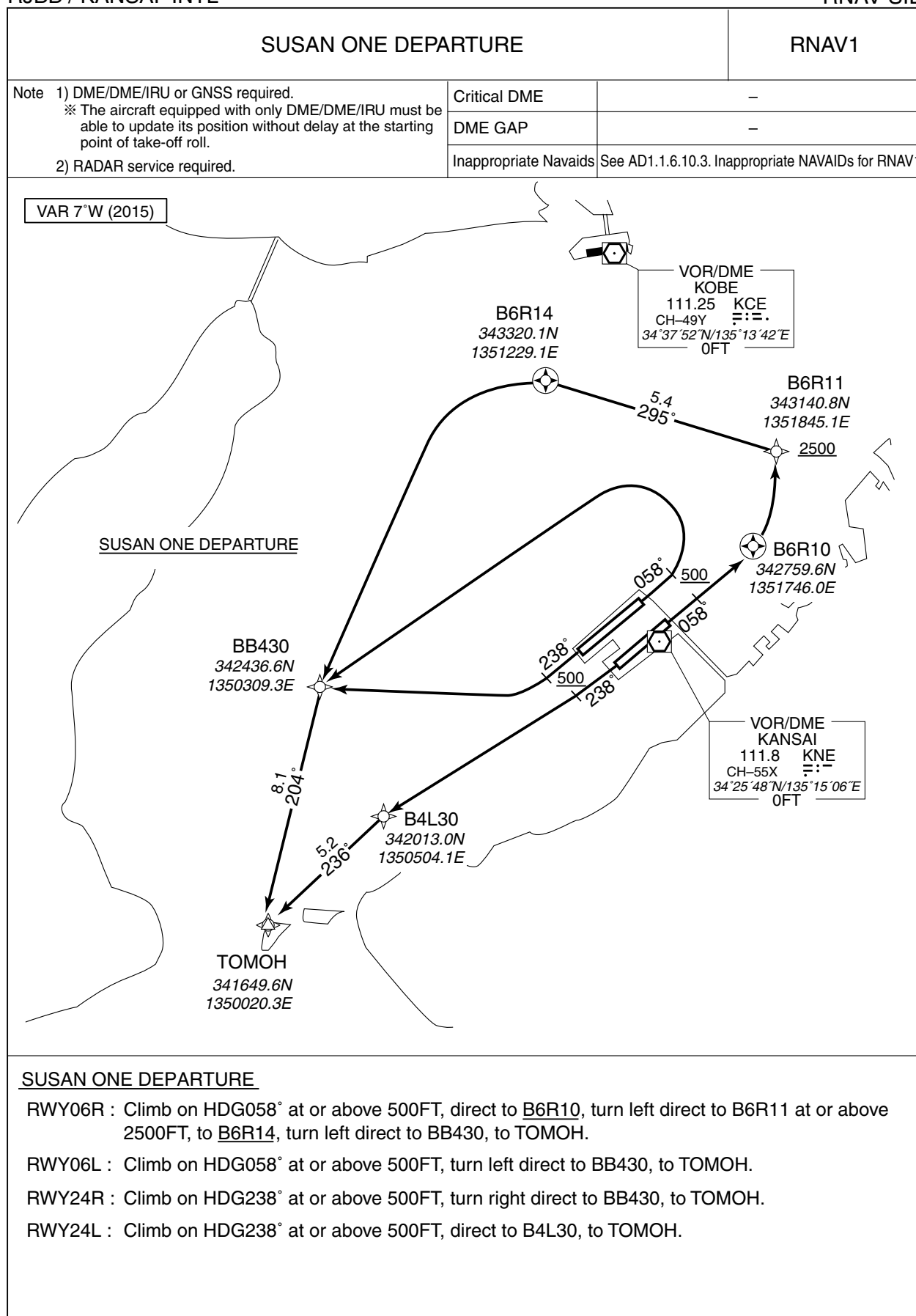
RWY24L

| 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 (230.9) | -7.4 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | BB440 | Y | — | -7.4 | — | R | — | — | — | RNAV1 |
| 003 | VI | — | — | 219 (211.8) | -7.4 | — | L | — | — | — | RNAV1 |
| 004 | CF | TOMOH | — | 174 (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 (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 (287.8) | -7.4 | 5.4 | — | — | — | — | RNAV1 |
| 005 | DF | BB430 | — | — | -7.4 | — | L | — | — | — | RNAV1 |
| 006 | TF | TOMOH | — | 204 (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 (050.9) | -7.4 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | BB430 | — | — | -7.4 | — | L | — | — | — | RNAV1 |
| 003 | TF | TOMOH | — | 204 (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 (230.9) | -7.4 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | BB430 | — | — | -7.4 | — | R | — | — | — | RNAV1 |
| 003 | TF | TOMOH | — | 204 (196.6) | -7.4 | 8.1 | — | — | — | — | RNAV1 |

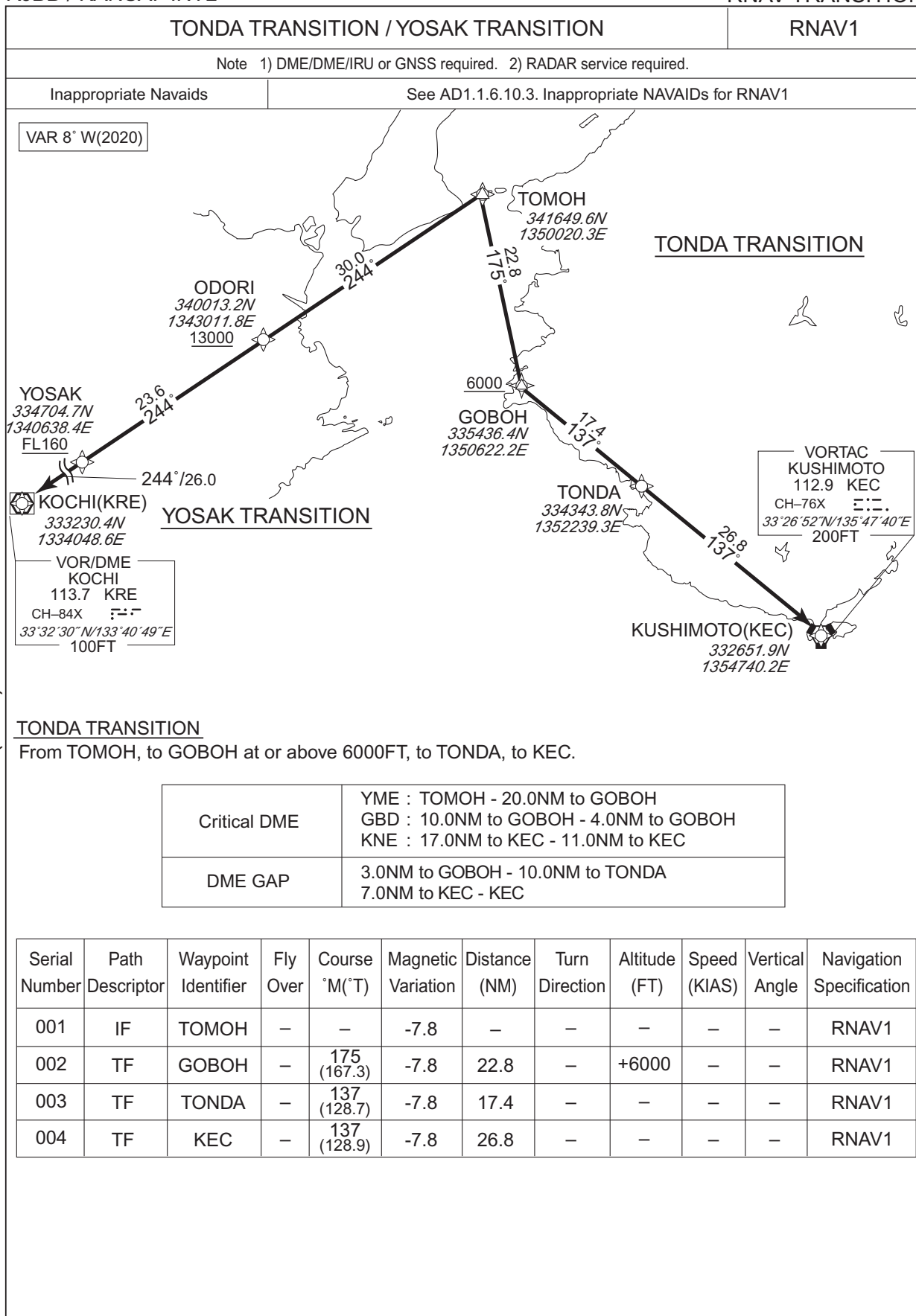
RWY24L

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

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION



CHANGE: VAR. Course FM GOBOH to KUSHIMOTO(KEC). Critical DME. DME GAP.

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 | — |

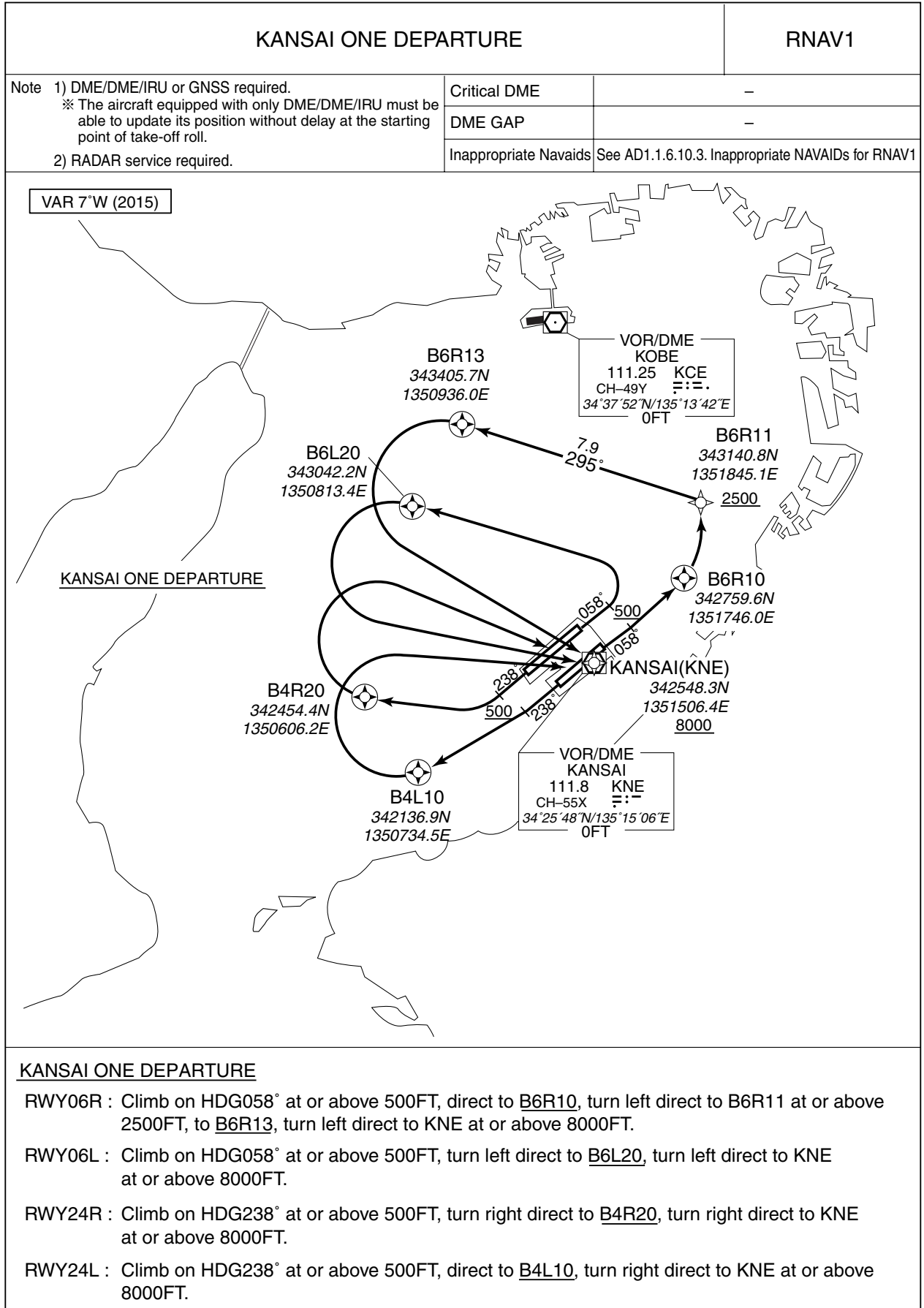
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | TOMOH | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | ODORI | — | 244 (236.5) | -7.8 | 30.0 | — | +13000 | — | — | RNAV1 |
| 003 | TF | YOSAK | — | 244 (236.2) | -7.8 | 23.6 | — | +FL160 | — | — | RNAV1 |
| 004 | TF | KRE | — | 244 (236.0) | -7.8 | 26.0 | — | — | — | — | RNAV1 |

CHANGE: VAR.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID



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 (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 (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 (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 (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 (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

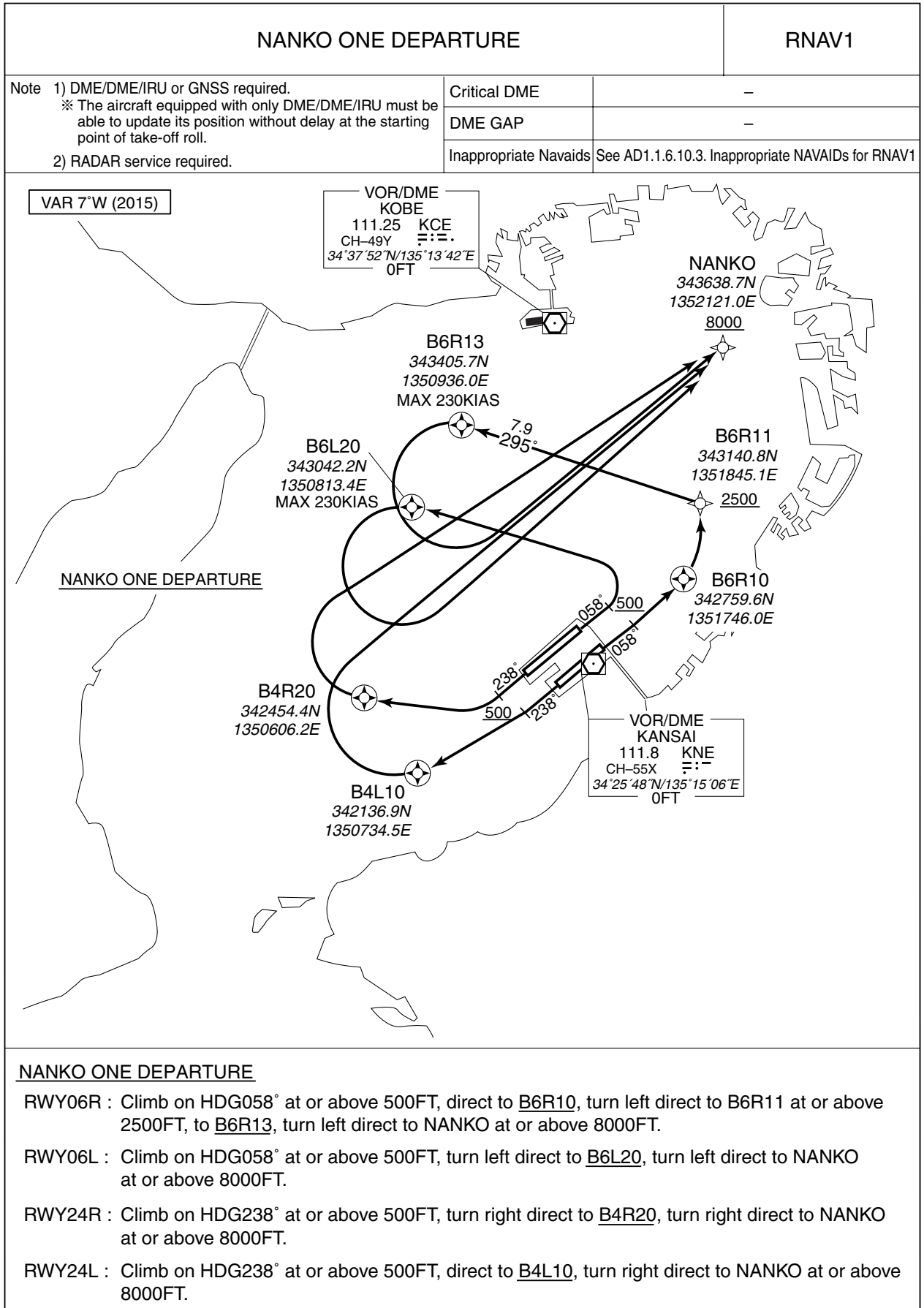
RNAV TRANSITION



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 (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 (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 (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 (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 (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 SIGAK - 30.0NM to GUJYO YME : 33.0NM to GUJYO - 30.0NM to GUJYO XMT : 20.0NM to GUJYO - 13.0NM to GUJYO |
| DME GAP | — |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | NANKO | — | — | -7.2 | — | — | — | — | — | RNAV1 |
| 002 | TF | OGURA | — | 051 (043.4) | -7.2 | 15.6 | — | — | — | — | RNAV1 |
| 003 | TF | KYOTO | — | 085 (077.7) | -7.2 | 8.7 | — | — | — | — | RNAV1 |
| 004 | TF | SIGAK | — | 085 (077.4) | -7.2 | 15.2 | — | — | — | — | RNAV1 |
| 005 | TF | GUJYO | — | 049 (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 (043.4) | -7.2 | 15.6 | — | — | — | — | RNAV1 |
| 003 | TF | KYOTO | — | 085 (077.7) | -7.2 | 8.7 | — | — | — | — | RNAV1 |
| 004 | TF | SIGAK | — | 085 (077.4) | -7.2 | 15.2 | — | — | — | — | RNAV1 |
| 005 | TF | KCC | — | 069 (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 (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 (287.8) | -7.4 | 10.3 | — | — | — | — | RNAV1 |
| 005 | TF | MAIKO | — | 295 (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 (050.9) | -7.4 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | HELEN | — | — | -7.4 | — | L | — | — | — | RNAV1 |
| 003 | TF | MAIKO | — | 295 (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 (230.9) | -7.4 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | BB430 | — | — | -7.4 | — | R | — | -210 | — | RNAV1 |
| 003 | TF | HELEN | — | 024 (016.6) | -7.4 | 10.7 | — | +8000 | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 295 (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 (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 (016.6) | -7.4 | 10.7 | — | +8000 | — | — | RNAV1 |
| 005 | TF | MAIKO | — | 295 (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 (230.9) | -7.4 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | BB430 | — | — | -7.4 | — | R | — | — | — | RNAV1 |
| 003 | TF | HELEN | — | 024 (016.6) | -7.4 | 10.7 | — | +8000 | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 295 (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 (230.9) | -7.4 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | BB430 | — | — | -7.4 | — | R | — | — | — | RNAV1 |
| 003 | TF | HELEN | — | 024 (016.6) | -7.4 | 10.7 | — | +8000 | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 295 (287.7) | -7.4 | 6.1 | — | — | — | — | RNAV1 |

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

SHION TRANSITION / SOUJA TRANSITION / WASYU TRANSITION / HABAR TRANSITION

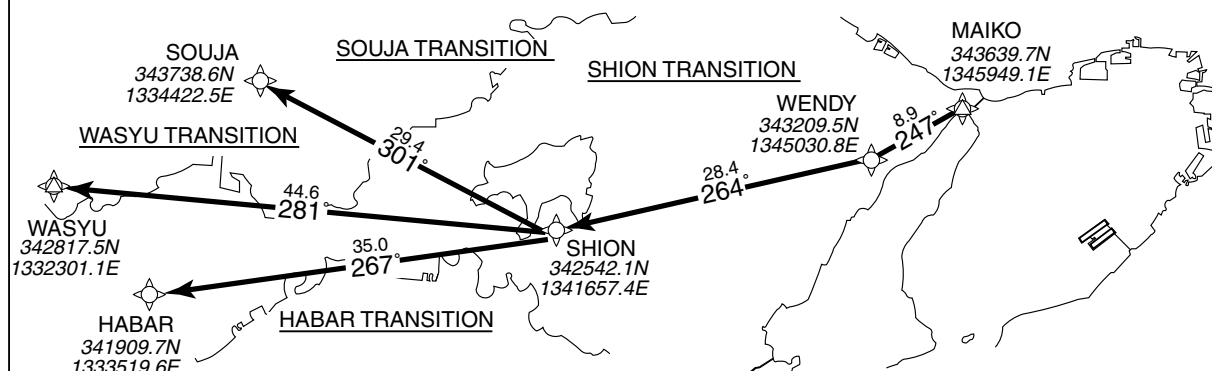
RNAV1

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 (239.6) | -7.2 | 8.9 | — | — | — | — | RNAV1 |
| 003 | TF | SHION | — | 264 (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 (239.6) | -7.2 | 8.9 | — | — | — | — | RNAV1 |
| 003 | TF | SHION | — | 264 (257.0) | -7.2 | 28.4 | — | — | — | — | RNAV1 |
| 004 | TF | SOUJA | — | 301 (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 (239.6) | -7.2 | 8.9 | — | — | — | — | RNAV1 |
| 003 | TF | SHION | — | 264 (257.0) | -7.2 | 28.4 | — | — | — | — | RNAV1 |
| 004 | TF | WASYU | — | 281 (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 (239.6) | -7.2 | 8.9 | — | — | — | — | RNAV1 |
| 003 | TF | SHION | — | 264 (257.0) | -7.2 | 28.4 | — | — | — | — | RNAV1 |
| 004 | TF | HABAR | — | 267 (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. 2) RADAR service required. | Critical DME | KNE : 17.1NM to YME - 14.1NM to YME 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 (264.0) | -7.7 | 21.8 | — | +8000 | — | — | RNAV1 |
| 003 | TF | AYAYA | — | 002 (354.7) | -7.7 | 11.0 | — | — | — | — | RNAV1 |
| 004 | TF | CHIZU | — | 002 (354.7) | -7.7 | 16.5 | — | — | — | — | RNAV1 |
| 005 | TF | YME | — | 056 (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 (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 (287.8) | -7.4 | 8.5 | — | — | — | — | RNAV1 |
| 005 | TF | DAISY | — | 235 (228.0) | -7.4 | 6.3 | — | — | — | — | RNAV1 |
| 006 | TF | JULIA | — | 279 (271.4) | -7.4 | 4.0 | — | +8000 | — | — | RNAV1 |
| 007 | TF | LINDA | — | 279 (271.4) | -7.4 | 5.4 | — | — | — | — | RNAV1 |
| 008 | TF | GLORY | — | 255 (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 (050.9) | -7.4 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | DAISY | — | — | -7.4 | — | L | — | — | — | RNAV1 |
| 003 | TF | JULIA | — | 279 (271.4) | -7.4 | 4.0 | — | +8000 | — | — | RNAV1 |
| 004 | TF | LINDA | — | 279 (271.4) | -7.4 | 5.4 | — | — | — | — | RNAV1 |
| 005 | TF | GLORY | — | 255 (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 (230.9) | -7.4 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | DAISY | — | — | -7.4 | — | R | +6000 | — | — | RNAV1 |
| 003 | TF | JULIA | — | 279 (271.4) | -7.4 | 4.0 | — | +8000 | — | — | RNAV1 |
| 004 | TF | LINDA | — | 279 (271.4) | -7.4 | 5.4 | — | — | — | — | RNAV1 |
| 005 | TF | GLORY | — | 255 (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 (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 (000.2) | -7.4 | 5.4 | — | +6000 | — | — | RNAV1 |
| 005 | TF | JULIA | — | 279 (271.4) | -7.4 | 4.0 | — | +8000 | — | — | RNAV1 |
| 006 | TF | LINDA | — | 279 (271.4) | -7.4 | 5.4 | — | — | — | — | RNAV1 |
| 007 | TF | GLORY | — | 255 (247.2) | -7.4 | 6.9 | — | — | — | — | RNAV1 |

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION



STANDARD ARRIVAL CHART - INSTRUMENT

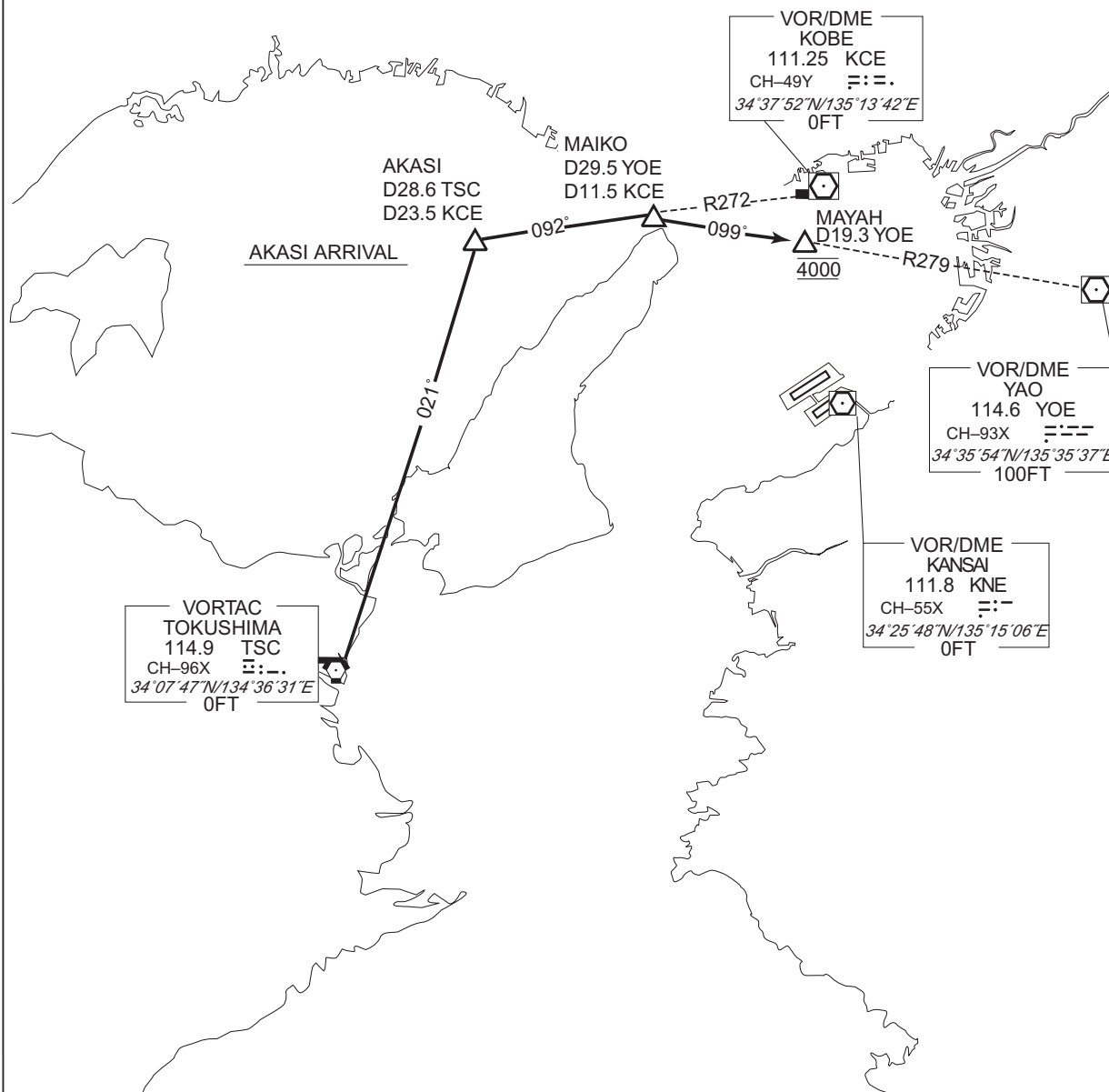
RJBB / KANSAI INTL

STAR

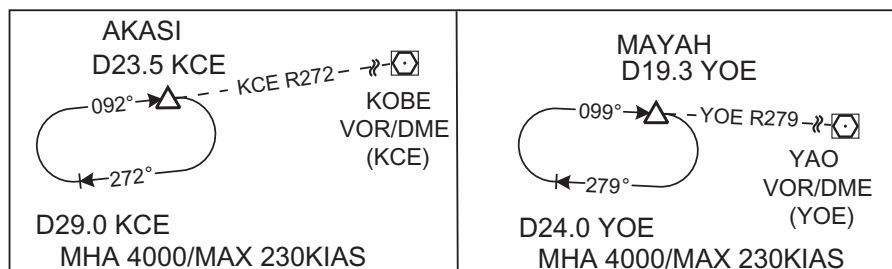
AKASI ARRIVAL

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

Cross MAYAH at 4000FT.



CHANGE : HLDG pattern added.



STANDARD ARRIVAL CHART - INSTRUMENT

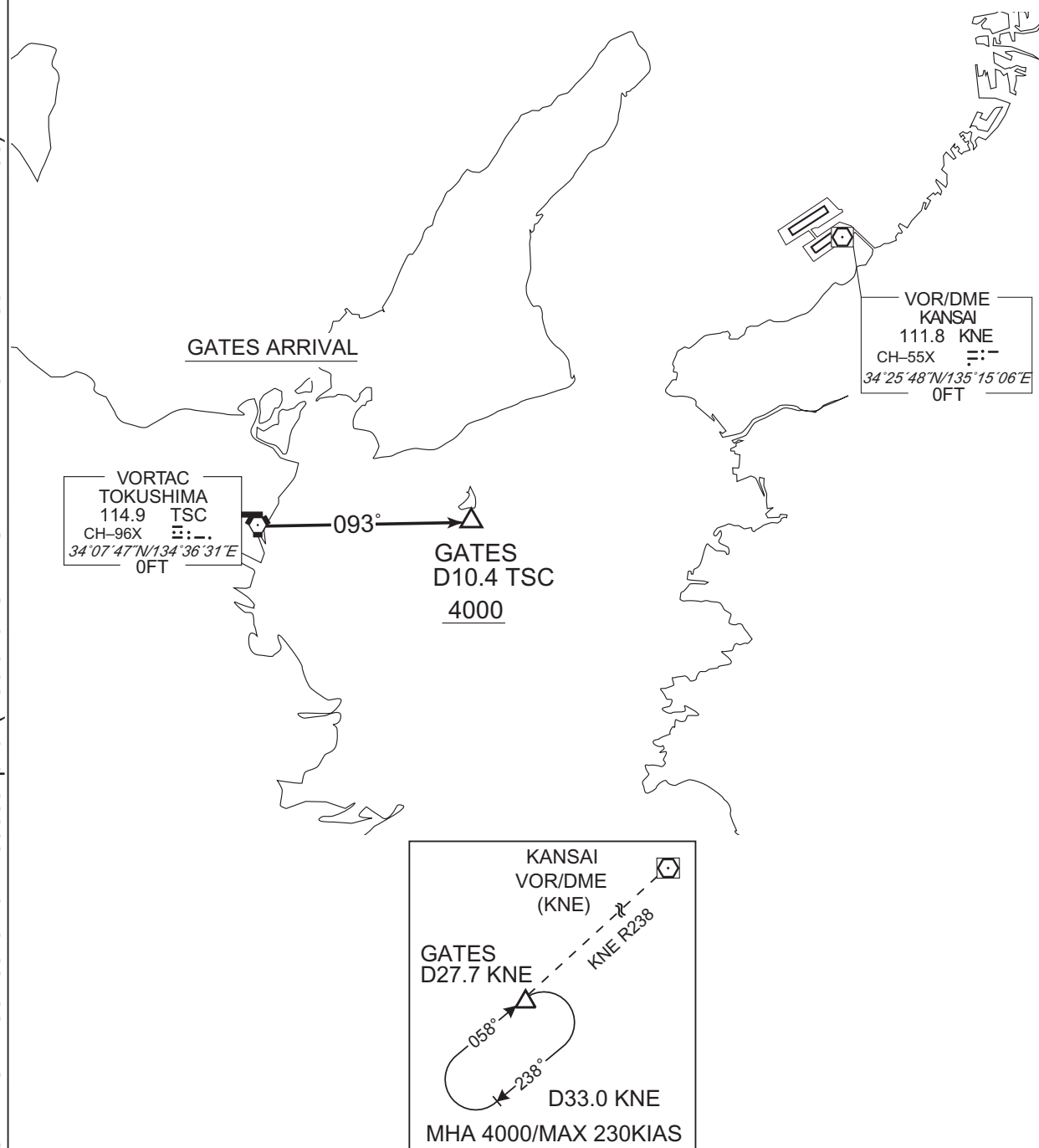
RJBB / KANSAI INTL

STAR

GATES ARRIVAL

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

CHANGE : Correction of misdescription(Radial of GATES FM KNE : KCE R238→ KNE R238).



STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

STAR

ATACK 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 ATACK.

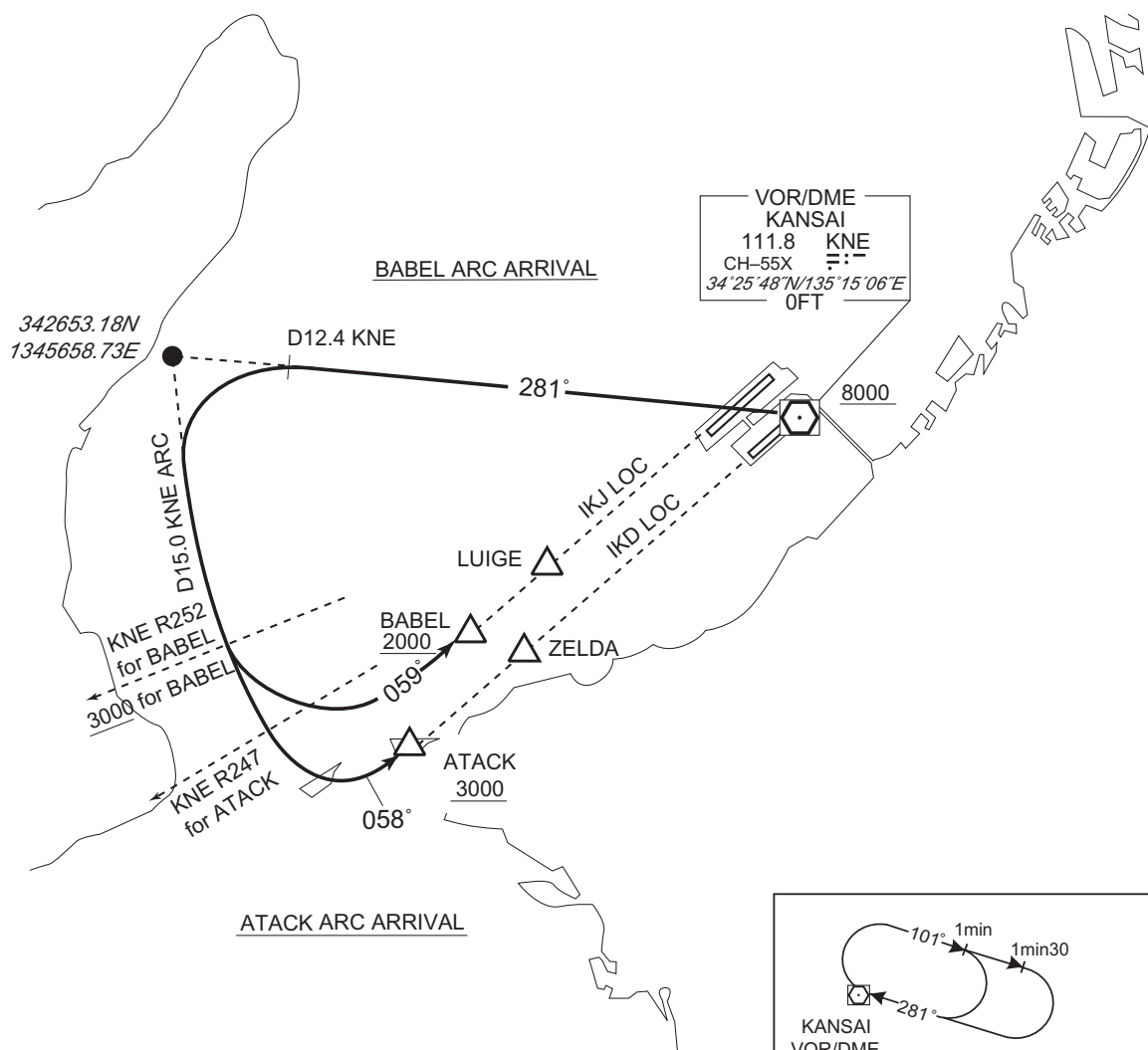
Cross KNE VOR/DME at or above 8000FT, cross ATACK at or above 3000FT.

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.

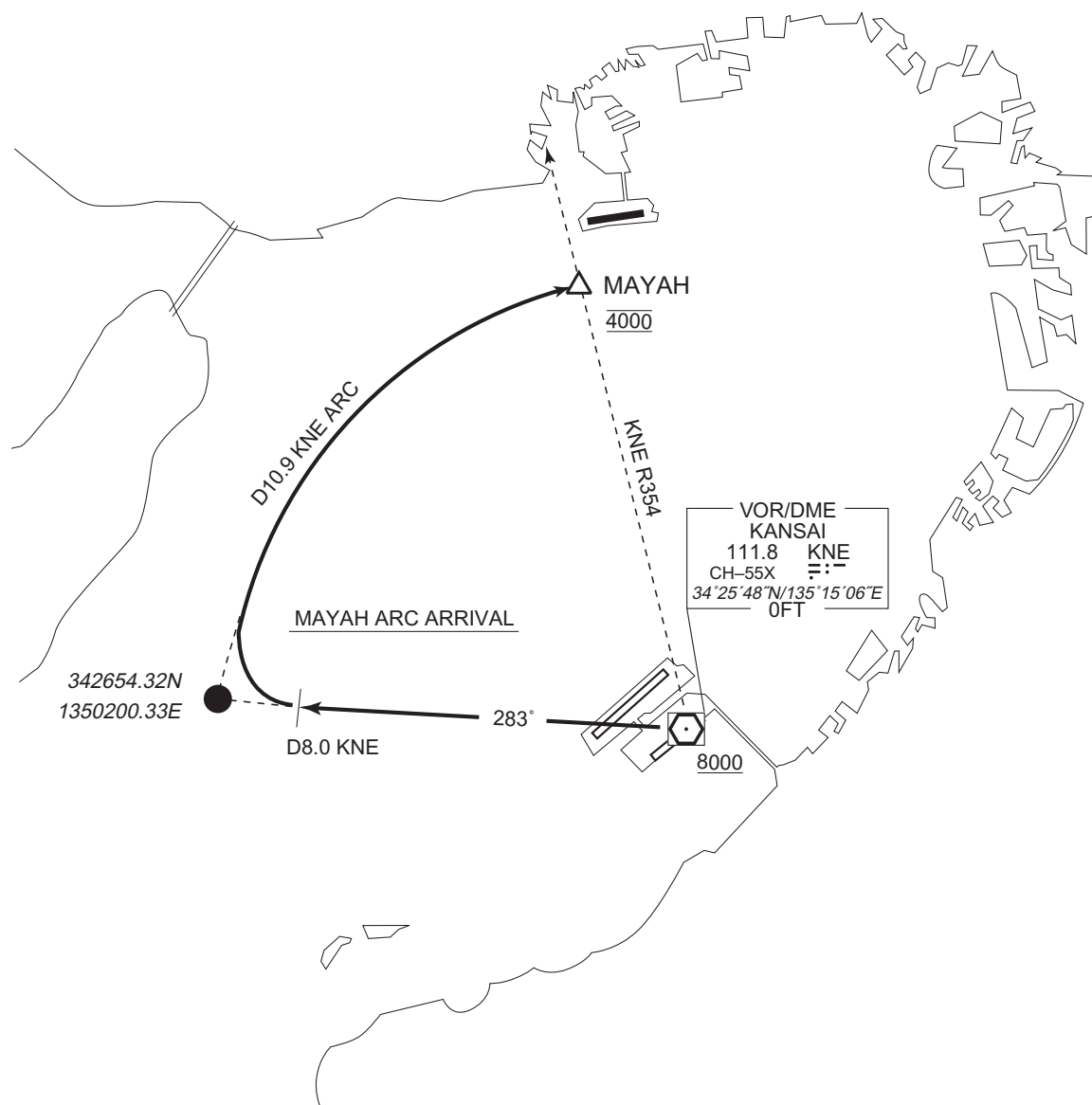
CHANGE : IKJ LOC course(BABEL ARC ARRIVAL).



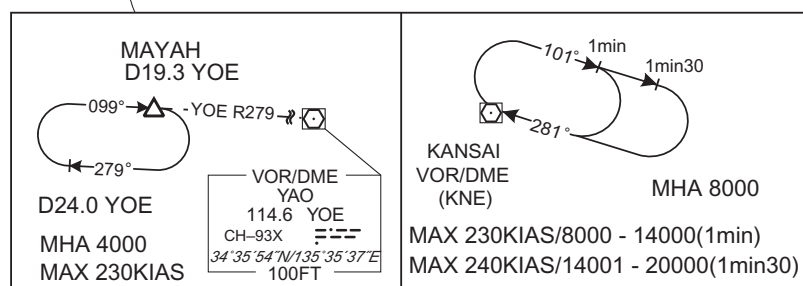
RJBB / KANSAI INTL

STAR

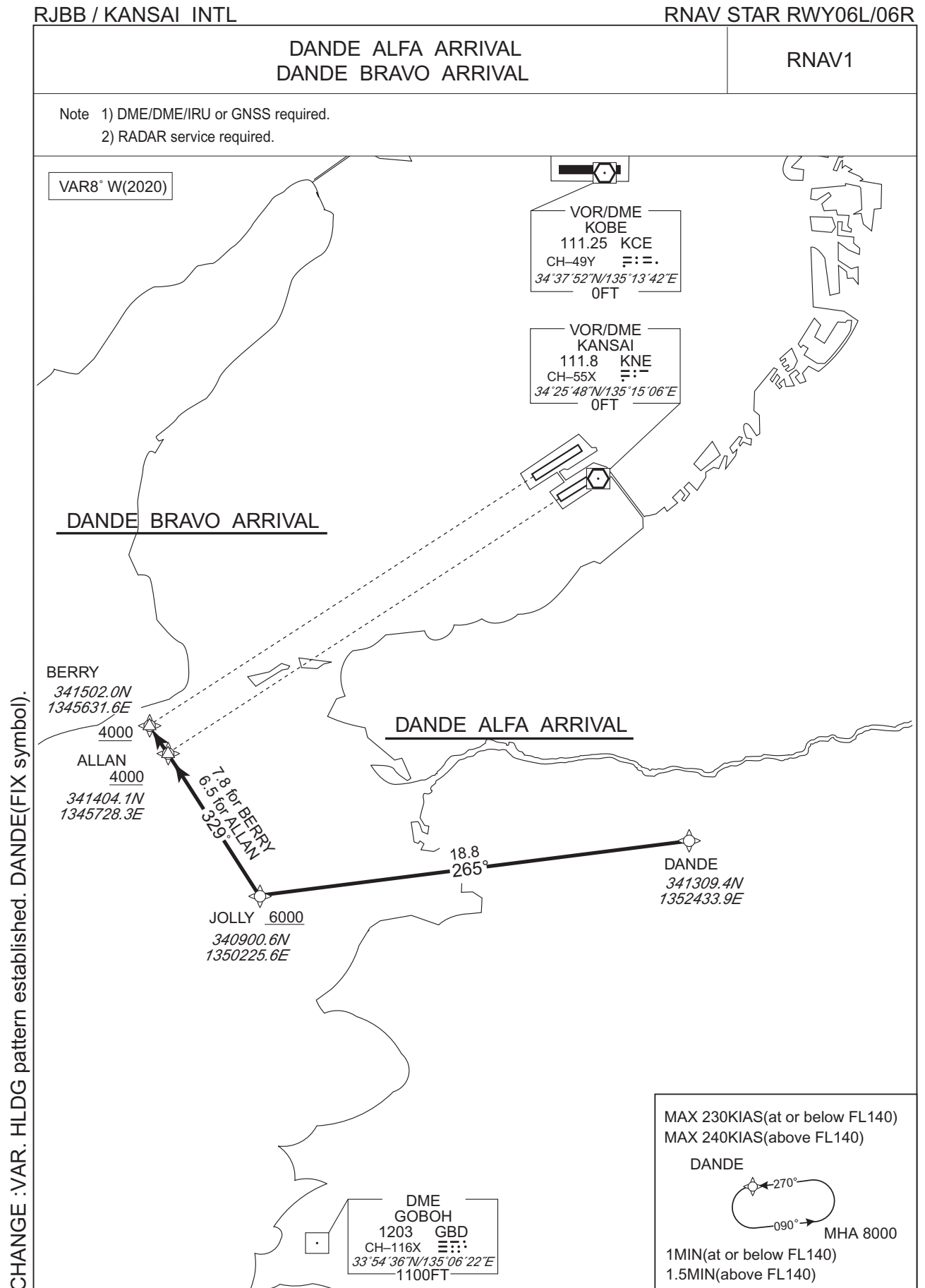
Cross KNE VOR/DME at or above 8000FT, cross MAYAH at 4000FT.



CHANGE : HLDG pattern added.



STANDARD ARRIVAL CHART - INSTRUMENT



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 TZT : 14.0NM to JOLLY - 13.0NM to JOLLY 4.0NM to JOLLY - ALLAN 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 | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | JOLLY | — | 265 (257.3) | -7.8 | 18.8 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ALLAN | — | 329 (321.0) | -7.8 | 6.5 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DANDE | 270 (262.6) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |

DANDE BRAVO ARRIVAL

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

| | |
|------------------------|---|
| Critical DME | OKT : 16.0NM to JOLLY - 14.0NM to JOLLY TZT : 14.0NM to JOLLY - 13.0NM to JOLLY 4.0NM to JOLLY - BERRY 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 | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | JOLLY | — | 265 (257.3) | -7.8 | 18.8 | — | +6000 | — | — | RNAV1 |
| 003 | TF | BERRY | — | 329 (321.0) | -7.8 | 7.8 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DANDE | 270 (262.6) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

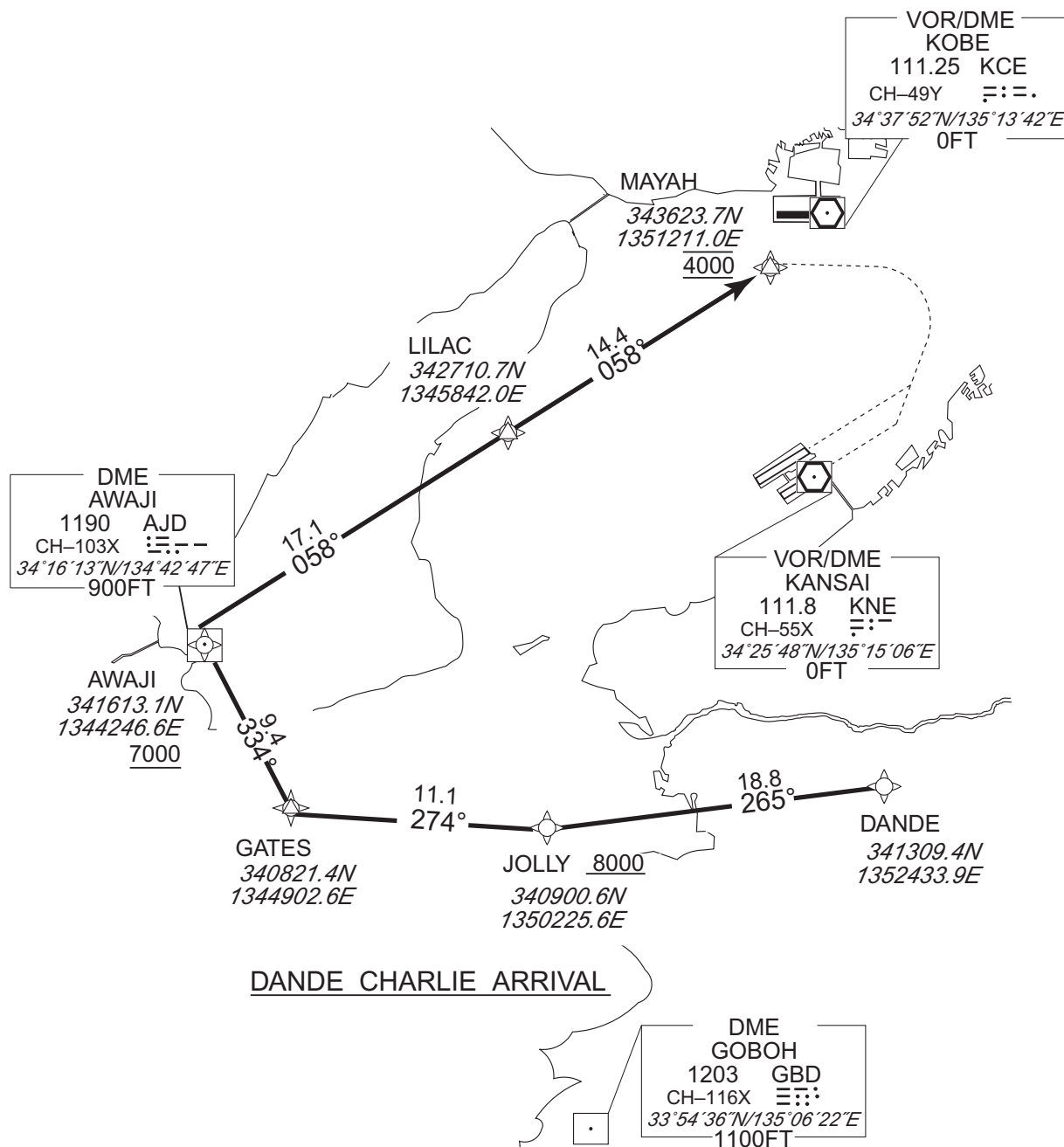
DANDE CHARLIE ARRIVAL

RNAV1

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

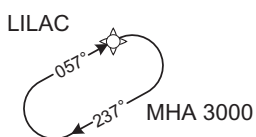
VAR 8° W(2020)

CHANGE :VAR. HLDG pattern established. DANDE(FIX symbol).



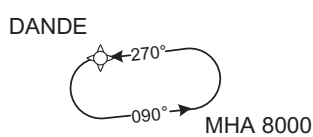
DANDE CHARLIE ARRIVAL

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



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

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



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

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

DANDE CHARLIE ARRIVAL

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

| | | |
|------------------------|---|--|
| Critical DME | OKT : 16.0NM to JOLLY - 14.0NM to JOLLY TZT : 14.0NM to JOLLY - 13.0NM to JOLLY 4.0NM to JOLLY - 8.0NM to GATES 7.0NM to GATES - GATES 8.0NM to AWAJI - 11.0NM to LILAC | GBD : DANDE - 8.0NM to GATES 7.0NM to GATES - GATES 8.0NM to AWAJI - MAYAH |
| DME GAP | 8.0NM to GATES - 7.0NM to GATES | GATES - 8.0NM to AWAJI |
| 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 | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | JOLLY | — | 265 (257.3) | -7.8 | 18.8 | — | +8000 | — | — | RNAV1 |
| 003 | TF | GATES | — | 274 (266.7) | -7.8 | 11.1 | — | — | — | — | RNAV1 |
| 004 | TF | AWAJI | — | 334 (326.6) | -7.8 | 9.4 | — | +7000 | — | — | RNAV1 |
| 005 | TF | LILAC | — | 058 (050.1) | -7.8 | 17.1 | — | — | — | — | RNAV1 |
| 006 | TF | MAYAH | — | 058 (050.3) | -7.8 | 14.4 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DANDE | 270 (262.6) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

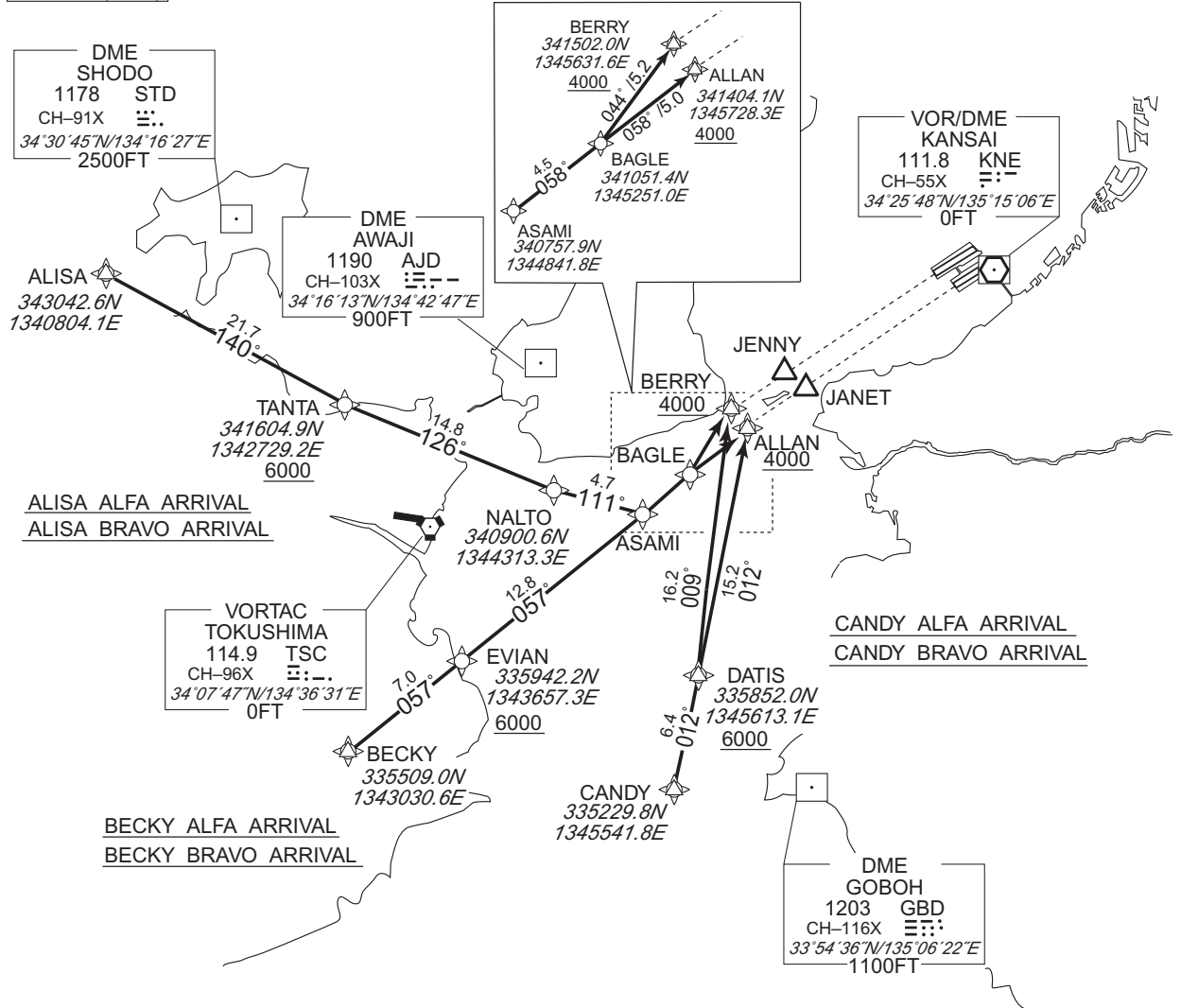
RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

| | |
|--|-------|
| ALISA ALFA / BRAVO ARRIVAL BECKY ALFA / BRAVO ARRIVAL CANDY ALFA / BRAVO ARRIVAL | RNAV1 |
|--|-------|

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

VAR 8° W(2020)



CHANGE :VAR. PROC course. HLDG pattern established. ASAMI(FIX symbol).

| | | | | |
|--|---|---|---|---|
| <p>MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)</p> <p>ALISA MHA 10000</p> <p>1MIN(at or below FL140) 1.5MIN(above FL140)</p> | <p>MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)</p> <p>BECKY MHA 8000</p> <p>1MIN(at or below FL140) 1.5MIN(above FL140)</p> | <p>MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)</p> <p>ASAMI MHA 4000</p> <p>1MIN(at or below FL140) 1.5MIN(above FL140)</p> | <p>MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)</p> <p>CANDY MHA 9000</p> <p>1MIN(at or below FL140) 1.5MIN(above FL140)</p> | <p>MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)</p> <p>DATIS MHA 6000</p> <p>1MIN(at or below FL140) 1.5MIN(above FL140)</p> |
|--|---|---|---|---|

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

ALISA ALFA ARRIVAL

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

| | |
|------------------------|--|
| Critical DME | AJD : 12.0NM to NALTO - NALTO 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 | ALISA | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 140 (132.3) | -7.8 | 21.7 | — | +6000 | — | — | RNAV1 |
| 003 | TF | NALTO | — | 126 (118.4) | -7.8 | 14.8 | — | — | — | — | RNAV1 |
| 004 | TF | ASAMI | — | 111 (103.0) | -7.8 | 4.7 | — | — | — | — | RNAV1 |
| 005 | TF | BAGLE | — | 058 (049.9) | -7.8 | 4.5 | — | — | — | — | RNAV1 |
| 006 | TF | ALLAN | — | 058 (049.9) | -7.8 | 5.0 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | ALISA | 142 (134.0) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 10000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

ALISA BRAVO ARRIVAL

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

| | |
|------------------------|--|
| Critical DME | AJD : 12.0NM to NALTO - NALTO 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 | ALISA | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 140 (132.3) | -7.8 | 21.7 | — | +6000 | — | — | RNAV1 |
| 003 | TF | NALTO | — | 126 (118.4) | -7.8 | 14.8 | — | — | — | — | RNAV1 |
| 004 | TF | ASAMI | — | 111 (103.0) | -7.8 | 4.7 | — | — | — | — | RNAV1 |
| 005 | TF | BAGLE | — | 058 (049.9) | -7.8 | 4.5 | — | — | — | — | RNAV1 |
| 006 | TF | BERRY | — | 044 (036.0) | -7.8 | 5.2 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | ALISA | 142 (134.0) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 10000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. PROC course. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

BECKY ALFA ARRIVAL

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

| | |
|-----------------------|---|
| Critical DME | 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 | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | EVIAN | — | 057 (049.5) | -7.8 | 7.0 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 057 (049.6) | -7.8 | 12.8 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 058 (049.9) | -7.8 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | ALLAN | — | 058 (049.9) | -7.8 | 5.0 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BECKY | 058 (050.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

BECKY BRAVO ARRIVAL

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

| | |
|-----------------------|---|
| Critical DME | 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 | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | EVIAN | — | 057 (049.5) | -7.8 | 7.0 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 057 (049.6) | -7.8 | 12.8 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 058 (049.9) | -7.8 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | BERRY | — | 044 (036.0) | -7.8 | 5.2 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BECKY | 058 (050.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. PROC course. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

CANDY ALFA ARRIVAL

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

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

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | CANDY | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | DATIS | — | 012 (003.9) | -7.8 | 6.4 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ALLAN | — | 012 (003.9) | -7.8 | 15.2 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY | 322 (313.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | DATIS | 306 (298.6) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |

CANDY BRAVO ARRIVAL

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

| | |
|------------------------|--|
| Critical DME | KNE : 15.1NM to BERRY - 14.1NM to BERRY 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 | CANDY | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | DATIS | — | 012 (003.9) | -7.8 | 6.4 | — | +6000 | — | — | RNAV1 |
| 003 | TF | BERRY | — | 009 (000.9) | -7.8 | 16.2 | — | +4000 | — | — | RNAV1 |

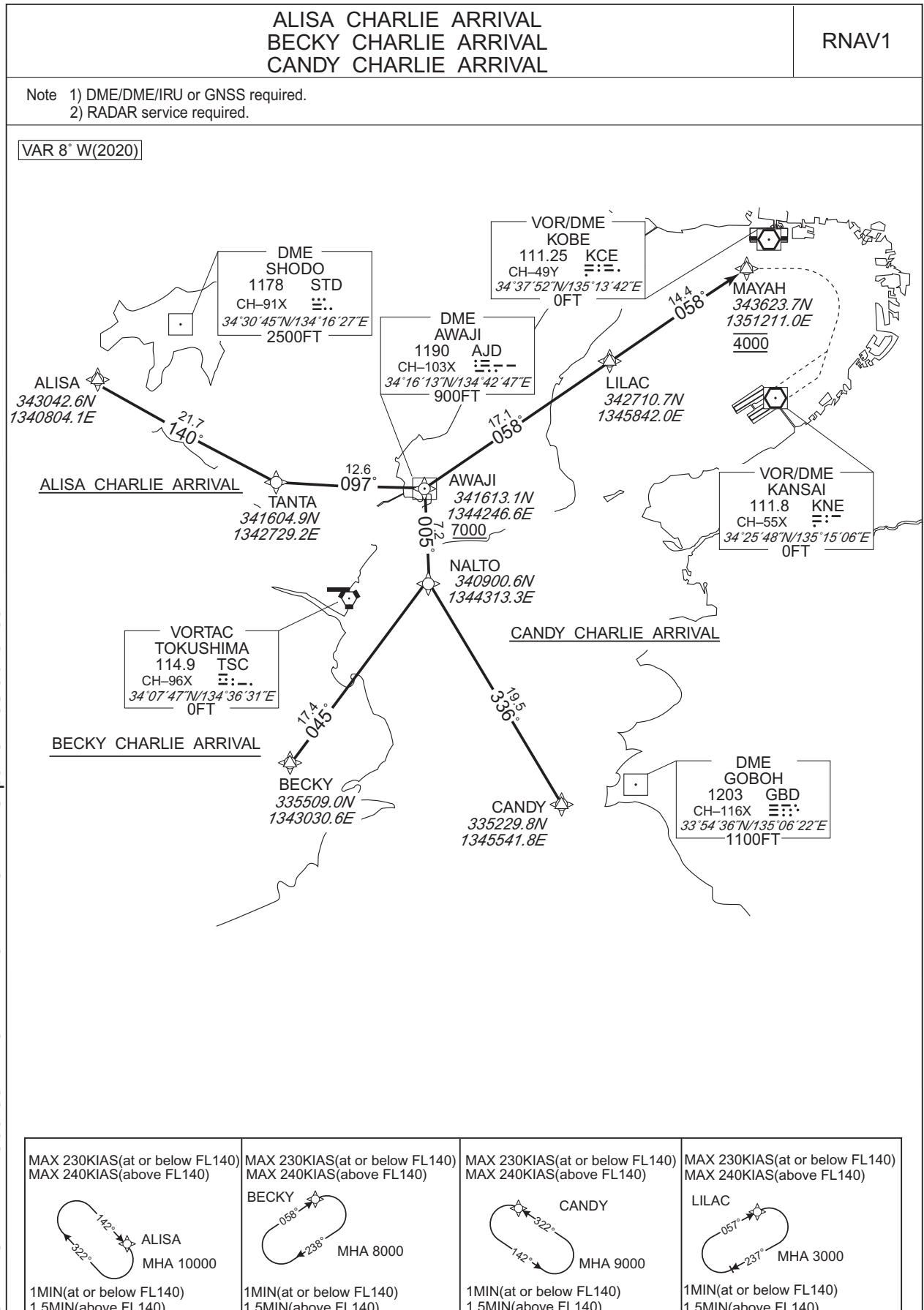
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY | 322 (313.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | DATIS | 306 (298.6) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. PROC course. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R



CHANGE :VAR. Course FM CANDY to NALTO. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

ALISA CHARLIE ARRIVAL

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

| | |
|-----------------------|--|
| Critical DME | KNE : 4.7NM to AWAJI - AWAJI TZZ : AWAJI - 11.0NM to LILAC GBD : AWAJI - MAYAH |
| DME GAP | — |
| Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | ALISA | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 140 (132.3) | -7.8 | 21.7 | — | — | — | — | RNAV1 |
| 003 | TF | AWAJI | — | 097 (089.3) | -7.8 | 12.6 | — | +7000 | — | — | RNAV1 |
| 004 | TF | LILAC | — | 058 (050.1) | -7.8 | 17.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 058 (050.3) | -7.8 | 14.4 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | ALISA | 142 (134.0) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 10000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |

BECKY CHARLIE ARRIVAL

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

| | |
|-----------------------|---|
| Critical DME | GBD : 5.2NM to AWAJI - 4.2NM to AWAJI AWAJI - MAYAH TZZ : AWAJI - 11.0NM to LILAC |
| DME GAP | — |
| Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | BECKY | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 045 (037.2) | -7.8 | 17.4 | — | — | — | — | RNAV1 |
| 003 | TF | AWAJI | — | 005 (357.1) | -7.8 | 7.2 | — | +7000 | — | — | RNAV1 |
| 004 | TF | LILAC | — | 058 (050.1) | -7.8 | 17.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 058 (050.3) | -7.8 | 14.4 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BECKY | 058 (050.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

CANDY CHARLIE ARRIVAL

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

| | |
|-----------------------|--|
| Critical DME | GBD : 5.2NM to AWAJI - 4.2NM to AWAJI AWAJI - MAYAH KNE : 16.5NM to NALTO - NALTO TZT : AWAJI - 11.0NM to LILAC |
| DME GAP | — |
| Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | CANDY | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 336 (328.0) | -7.8 | 19.5 | — | — | — | — | RNAV1 |
| 003 | TF | AWAJI | — | 005 (357.1) | -7.8 | 7.2 | — | +7000 | — | — | RNAV1 |
| 004 | TF | LILAC | — | 058 (050.1) | -7.8 | 17.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 058 (050.3) | -7.8 | 14.4 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY | 322 (313.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. Course FM CANDY to NALTO. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

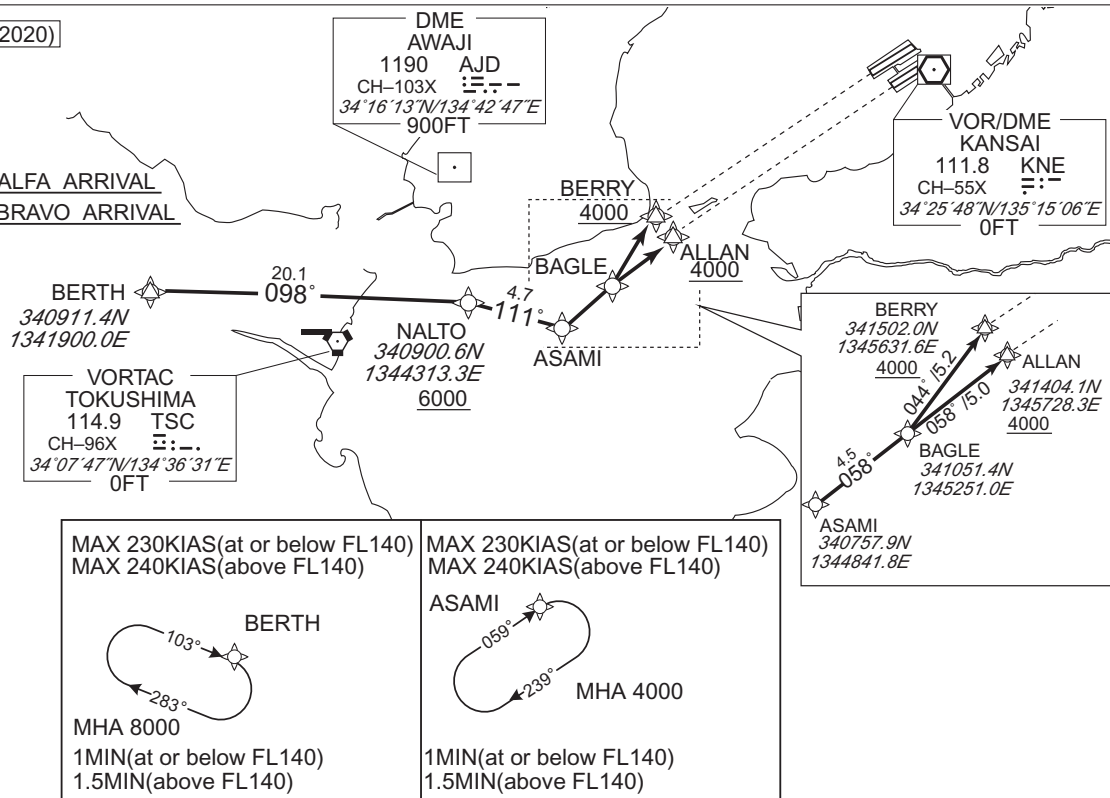
BERTH ALFA / BRAVO ARRIVAL

RNAV1

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

VAR 8° W(2020)

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 KNE : 1.7NM to 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 | BERTH | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 098 (090.4) | -7.8 | 20.1 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 111 (103.0) | -7.8 | 4.7 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 058 (049.9) | -7.8 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | ALLAN | — | 058 (049.9) | -7.8 | 5.0 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH | 103 (095.4) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. PROC course . HLDG pattern established. ASAMI(FIX symbol).

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 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 | BERTH | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 098 (090.4) | -7.8 | 20.1 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 111 (103.0) | -7.8 | 4.7 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 058 (049.9) | -7.8 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | BERRY | — | 044 (036.0) | -7.8 | 5.2 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH | 103 (095.4) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. PROC course. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

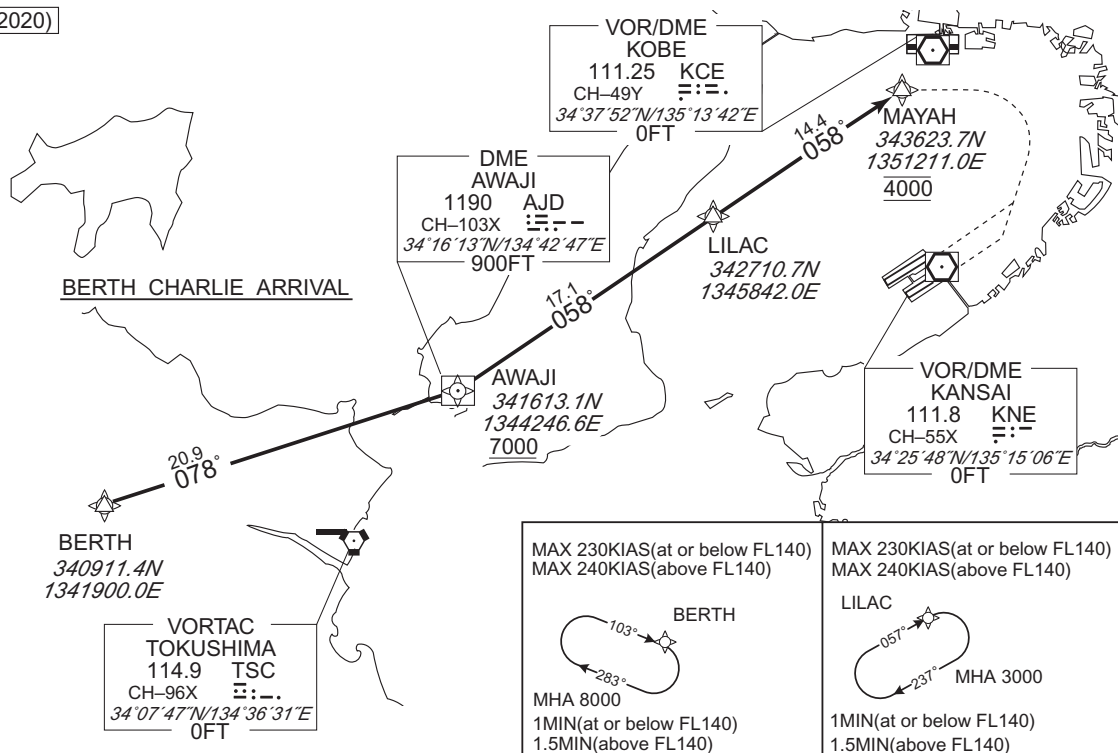
RNAV STAR RWY24L/24R

BERTH CHARLIE ARRIVAL

RNAV1

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

VAR 8° W(2020)



BERTH CHARLIE ARRIVAL

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

| | |
|-----------------------|--|
| Critical DME | AJD : 10.9NM to AWAJI - 4.9NM to AWAJI KNE : 4.9NM to AWAJI - AWAJI TZA : AWAJI - 11.0NM to LILAC GBD : AWAJI - MAYAH |
| DME GAP | — |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | BERTH | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | AWAJI | — | 078 (070.2) | -7.8 | 20.9 | — | +7000 | — | — | RNAV1 |
| 003 | TF | LILAC | — | 058 (050.1) | -7.8 | 17.1 | — | — | — | — | RNAV1 |
| 004 | TF | MAYAH | — | 058 (050.3) | -7.8 | 14.4 | — | 4000 | — | — | RNAV1 |

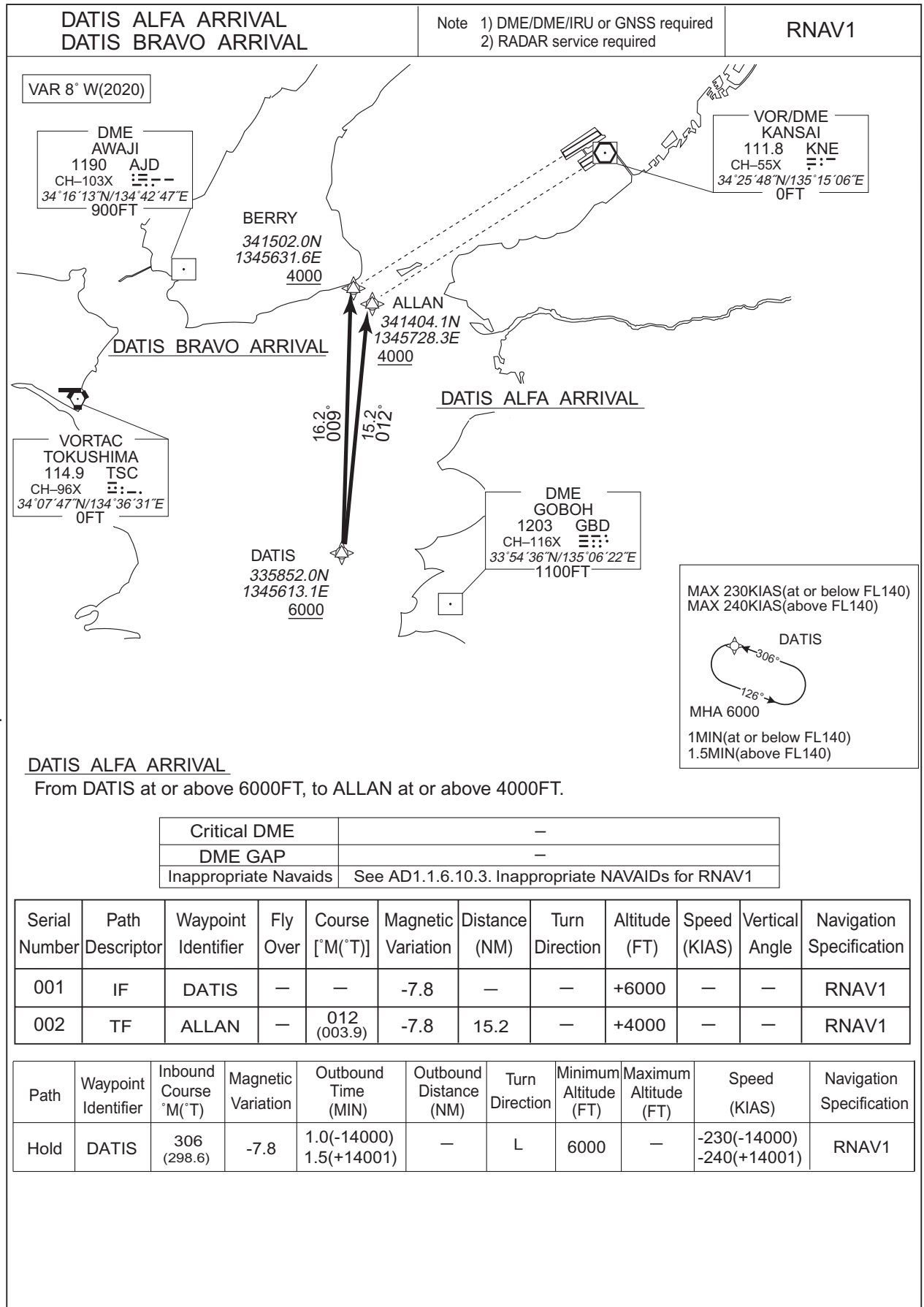
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH | 103 (095.4) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R



CHANGE :VAR. Course FM DATIS to ALLAN/BERRY. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

DATIS BRAVO ARRIVAL

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

| | |
|------------------------|--|
| Critical DME | KNE : 15.1NM to BERRY - 14.1NM to BERRY 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 | — | — | -7.8 | — | — | +6000 | — | — | RNAV1 |
| 002 | TF | BERRY | — | 009 (000.9) | -7.8 | 16.2 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DATIS | 306 (298.6) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. Course FM DATIS to BERRY. HLDG pattern established.

RJBB / KANSAI INTL

DATIS CHARLIE ARRIVAL

RNAV1

CHANGE :VAR. HLDG pattern established.

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

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

DATIS CHARLIE ARRIVAL

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

| | |
|------------------------|---|
| Critical DME | GBD : 5.2NM to AWAJI - 4.2NM to AWAJI AWAJI - MAYAH TZT : 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 | DATIS | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 321 (313.4) | -7.8 | 14.8 | — | — | — | — | RNAV1 |
| 003 | TF | AWAJI | — | 005 (357.1) | -7.8 | 7.2 | — | +7000 | — | — | RNAV1 |
| 004 | TF | LILAC | — | 058 (050.1) | -7.8 | 17.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 058 (050.3) | -7.8 | 14.4 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DATIS | 306 (298.6) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

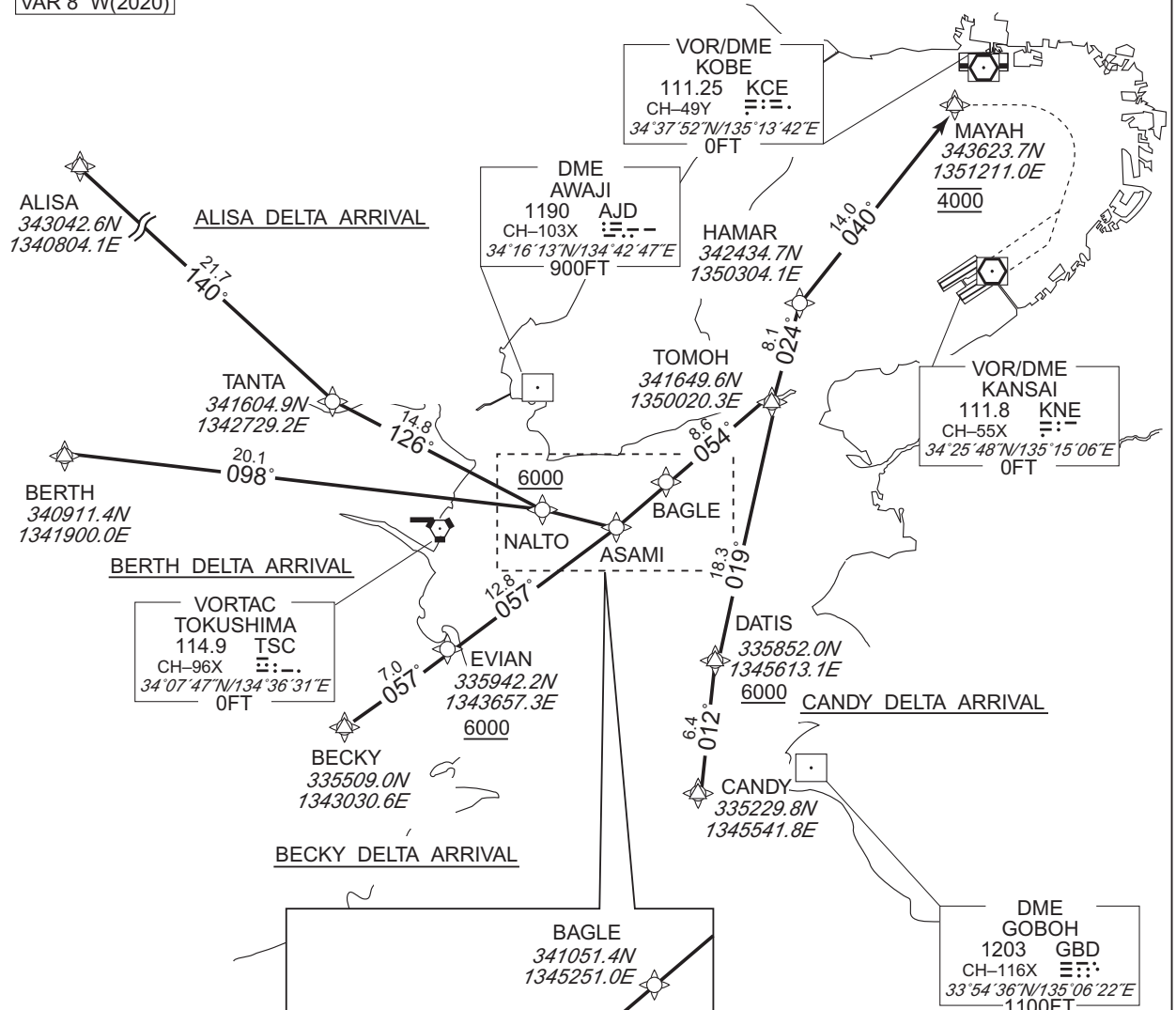
RNAV STAR RWY24L/24R

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

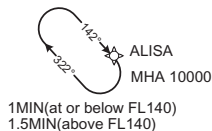
Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.

VAR 8° W(2020)

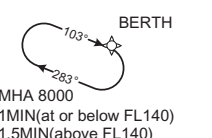
CHANGE :VAR. PROC course. HLDG pattern established. ASAMI(FIX symbol).



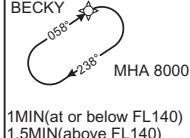
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



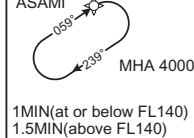
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



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



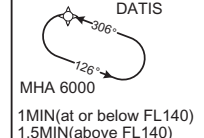
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)



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



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



STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

ALISA DELTA ARRIVAL

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

| | |
|------------------------|---|
| Critical DME | AJD : 2.0NM to MAYAH - MAYAH KNE : 1.7NM to ASAMI - BAGLE 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 | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 140 (132.3) | -7.8 | 21.7 | — | — | — | — | RNAV1 |
| 003 | TF | NALTO | — | 126 (118.4) | -7.8 | 14.8 | — | +6000 | — | — | RNAV1 |
| 004 | TF | ASAMI | — | 111 (103.0) | -7.8 | 4.7 | — | — | — | — | RNAV1 |
| 005 | TF | BAGLE | — | 058 (049.9) | -7.8 | 4.5 | — | — | — | — | RNAV1 |
| 006 | TF | TOMOH | — | 054 (046.0) | -7.8 | 8.6 | — | — | — | — | RNAV1 |
| 007 | TF | HAMAR | — | 024 (016.2) | -7.8 | 8.1 | — | — | — | — | RNAV1 |
| 008 | TF | MAYAH | — | 040 (032.4) | -7.8 | 14.0 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | ALISA | 142 (134.0) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 10000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. PROC course. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

BECKY DELTA ARRIVAL

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

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

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | BECKY | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | EVIAN | — | 057 (049.5) | -7.8 | 7.0 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 057 (049.6) | -7.8 | 12.8 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 058 (049.9) | -7.8 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | TOMOH | — | 054 (046.0) | -7.8 | 8.6 | — | — | — | — | RNAV1 |
| 006 | TF | HAMAR | — | 024 (016.2) | -7.8 | 8.1 | — | — | — | — | RNAV1 |
| 007 | TF | MAYAH | — | 040 (032.4) | -7.8 | 14.0 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BECKY | 058 (050.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. Course FM ASAMI to BAGLE . HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

BERTH DELTA ARRIVAL

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

| | |
|------------------------|--|
| Critical DME | AJD : 8.1NM to NALTO - 5.1NM to NALTO 2.0NM to MAYAH - MAYAH KNE : 1.7NM to ASAMI - BAGLE GBD : 7.1NM to HAMAR - 5.1NM to HAMAR |
| DME GAP | — |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | BERTH | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 098 (090.4) | -7.8 | 20.1 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 111 (103.0) | -7.8 | 4.7 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 058 (049.9) | -7.8 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | TOMOH | — | 054 (046.0) | -7.8 | 8.6 | — | — | — | — | RNAV1 |
| 006 | TF | HAMAR | — | 024 (016.2) | -7.8 | 8.1 | — | — | — | — | RNAV1 |
| 007 | TF | MAYAH | — | 040 (032.4) | -7.8 | 14.0 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH | 103 (095.4) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. PROC course. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

CANDY DELTA ARRIVAL

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

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

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | CANDY | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | DATIS | — | 012 (003.9) | -7.8 | 6.4 | — | +6000 | — | — | RNAV1 |
| 003 | TF | TOMOH | — | 019 (010.7) | -7.8 | 18.3 | — | — | — | — | RNAV1 |
| 004 | TF | HAMAR | — | 024 (016.2) | -7.8 | 8.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 040 (032.4) | -7.8 | 14.0 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY | 322 (313.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | DATIS | 306 (298.6) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. PROC course. HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

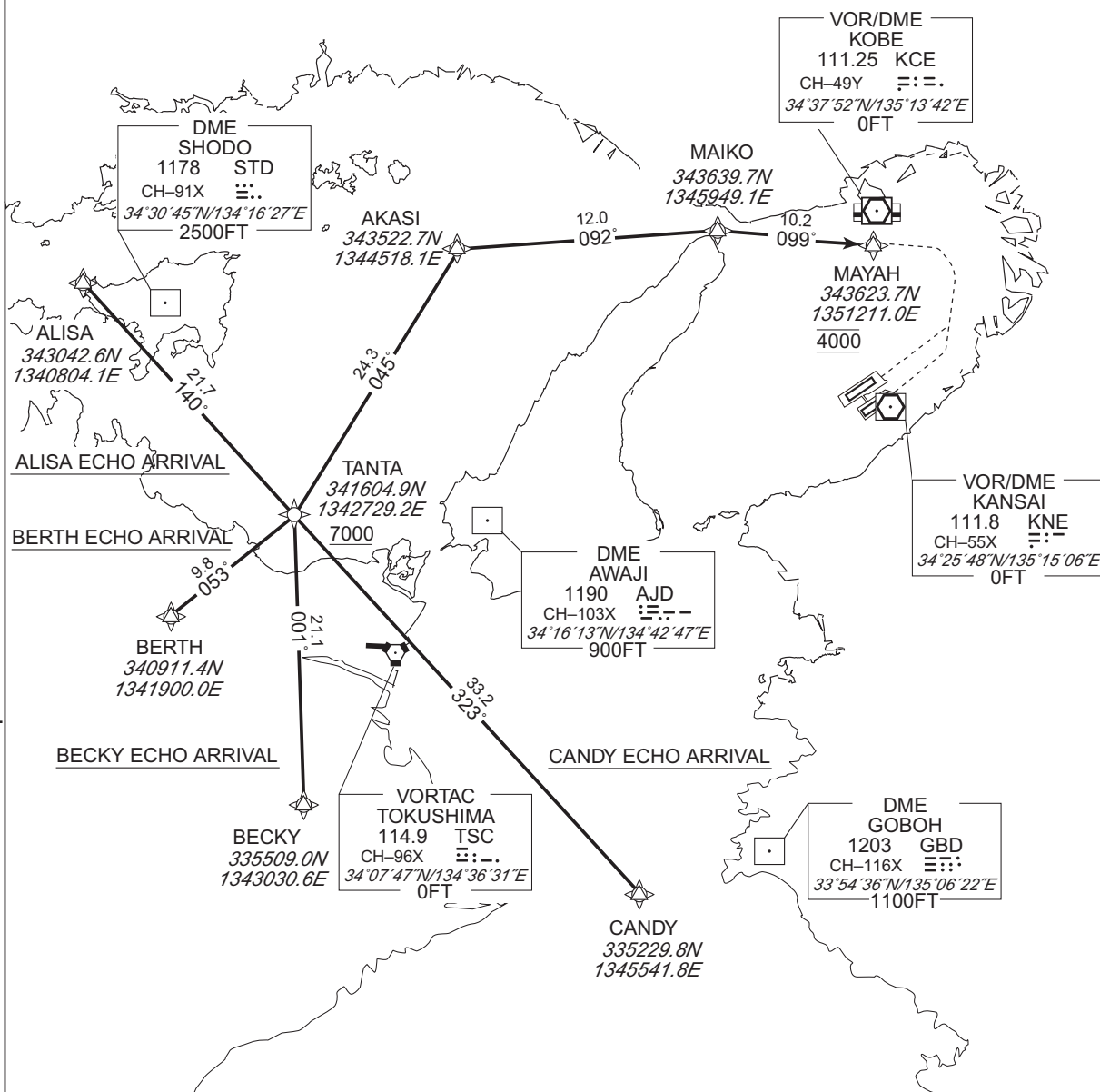
RNAV STAR RWY24L/24R

ALISA ECHO ARRIVAL
BECKY ECHO ARRIVAL
BERTH ECHO ARRIVAL
CANDY ECHO ARRIVAL

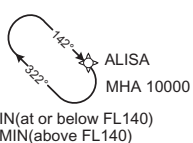
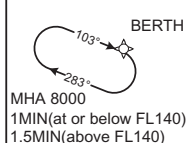
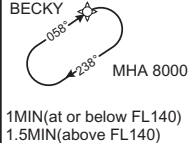
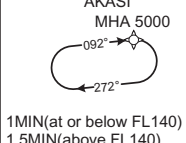
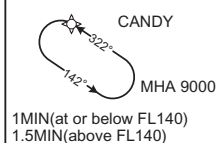
RNAV1

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

VAR 8° W(2020)



CHANGE :VAR. Course FM AKASI to MAIKO . HLDG pattern established.

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

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

ALISA ECHO ARRIVAL

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

| | |
|-----------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI AJD : 14.3NM to AKASI - 9.3NM to AKASI KNE : 8.0NM 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 | ALISA | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 140 (132.3) | -7.8 | 21.7 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -7.8 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 092 (083.8) | -7.8 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -7.8 | 10.2 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | ALISA | 142 (134.0) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 10000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | AKASI | 092 (083.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |

BECKY ECHO ARRIVAL

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

| | |
|-----------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI AJD : 14.3NM to AKASI - 9.3NM to AKASI KNE : 8.0NM to MAYAH - MAYAH |
| DME GAP | — |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | BECKY | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 001 (353.2) | -7.8 | 21.1 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -7.8 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 092 (083.8) | -7.8 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -7.8 | 10.2 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BECKY | 058 (050.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | AKASI | 092 (083.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. Course FM AKASI to MAIKO . HLDG pattern established.

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

BERTH ECHO ARRIVAL

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

| | |
|------------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI AJD : 14.3NM to AKASI - 9.3NM to AKASI 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 | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 053 (045.5) | -7.8 | 9.8 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -7.8 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 092 (083.8) | -7.8 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -7.8 | 10.2 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BERTH | 103 (095.4) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | AKASI | 092 (083.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |

CANDY ECHO ARRIVAL

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

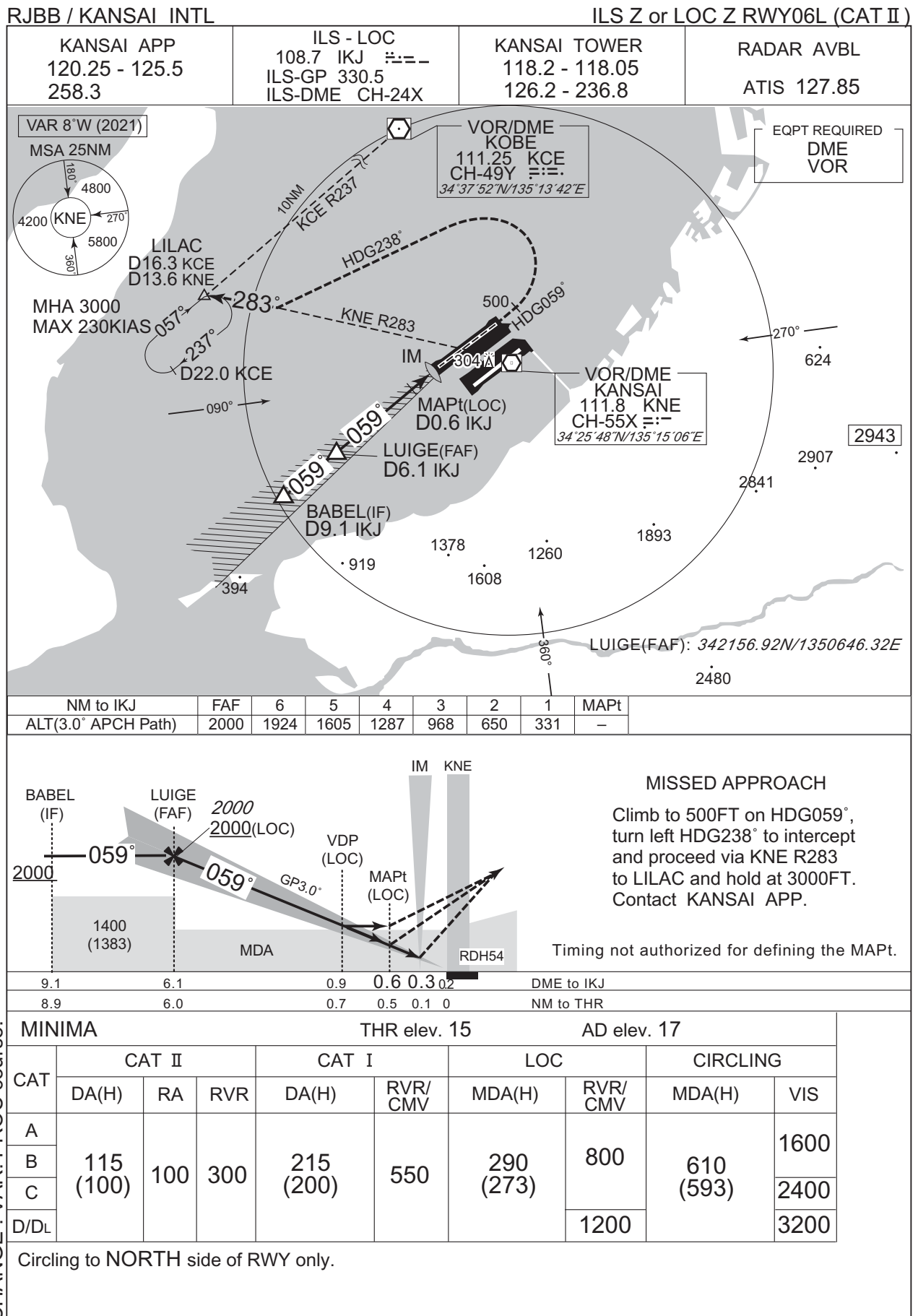
| | |
|------------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI AJD : 14.3NM to AKASI - 9.3NM to AKASI KNE : 8.0NM to MAYAH - MAYAH |
| DME GAP | — |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| 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 | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 323 (315.4) | -7.8 | 33.2 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -7.8 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 092 (083.8) | -7.8 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -7.8 | 10.2 | — | 4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | CANDY | 322 (313.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | AKASI | 092 (083.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE :VAR. Course FM AKASI to MAIKO . HLDG pattern established.

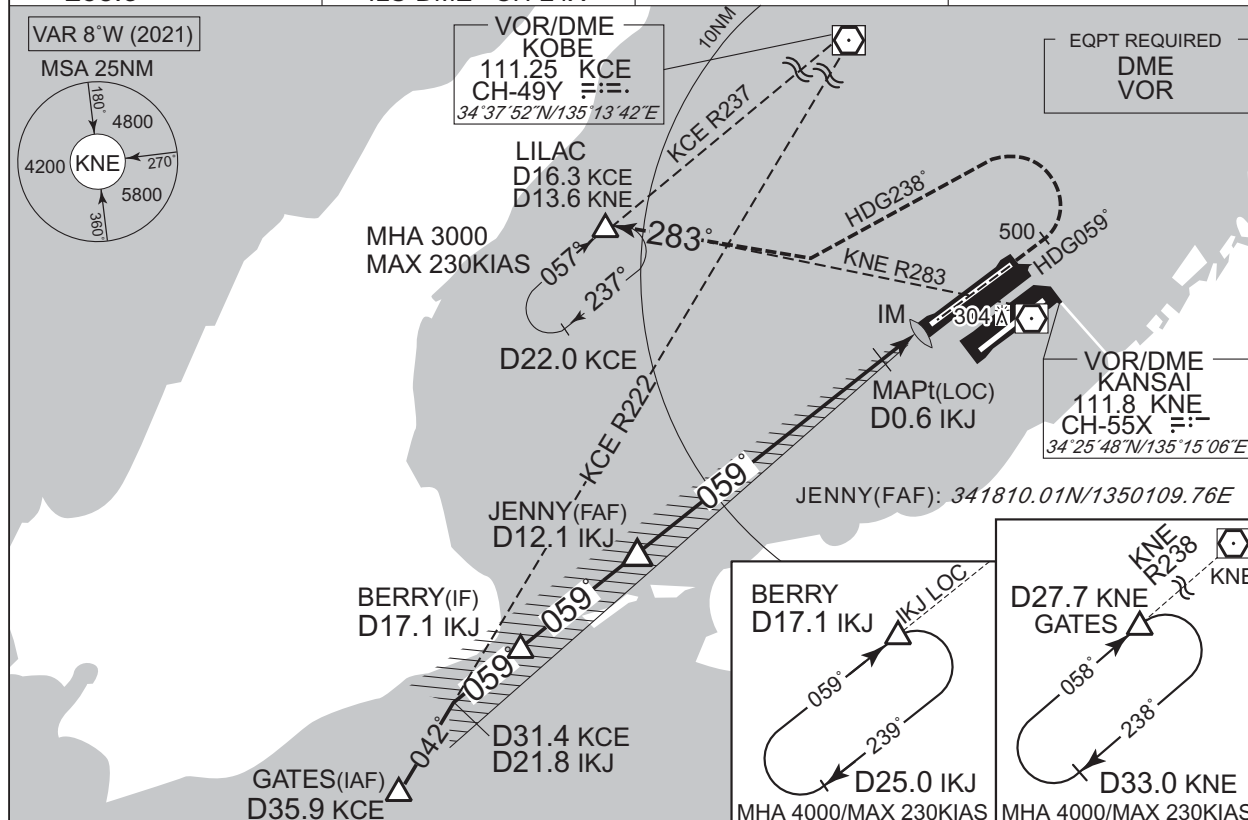
INSTRUMENT APPROACH CHART



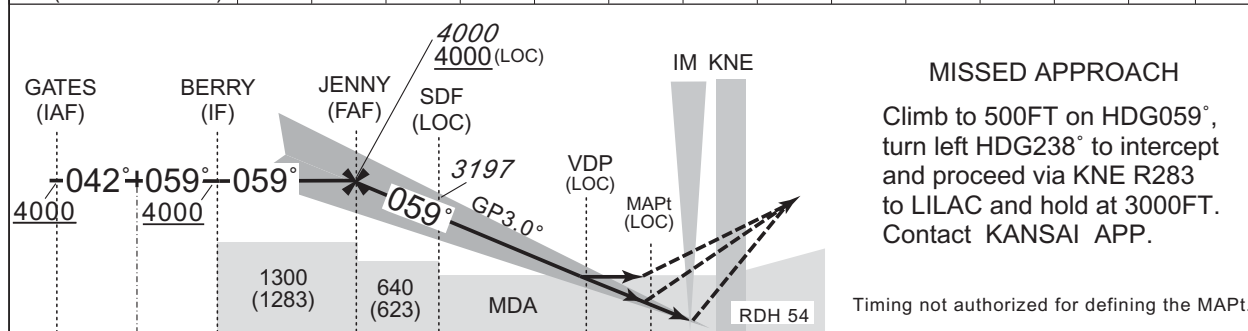
RJBB / KANSAI INTL

ILS Y or LOC Y RWY06L (CAT II)

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



| | NM to IKJ | | FAF | | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | MAP |
|---------------------|-----------|------|------|------|------|------|------|------|------|------|-----|-----|-----|---|---|---|-----|
| ALT(3.0° APCH Path) | 4000 | 3834 | 3515 | 3197 | 2879 | 2561 | 2242 | 1924 | 1605 | 1287 | 968 | 650 | 331 | - | - | - | - |



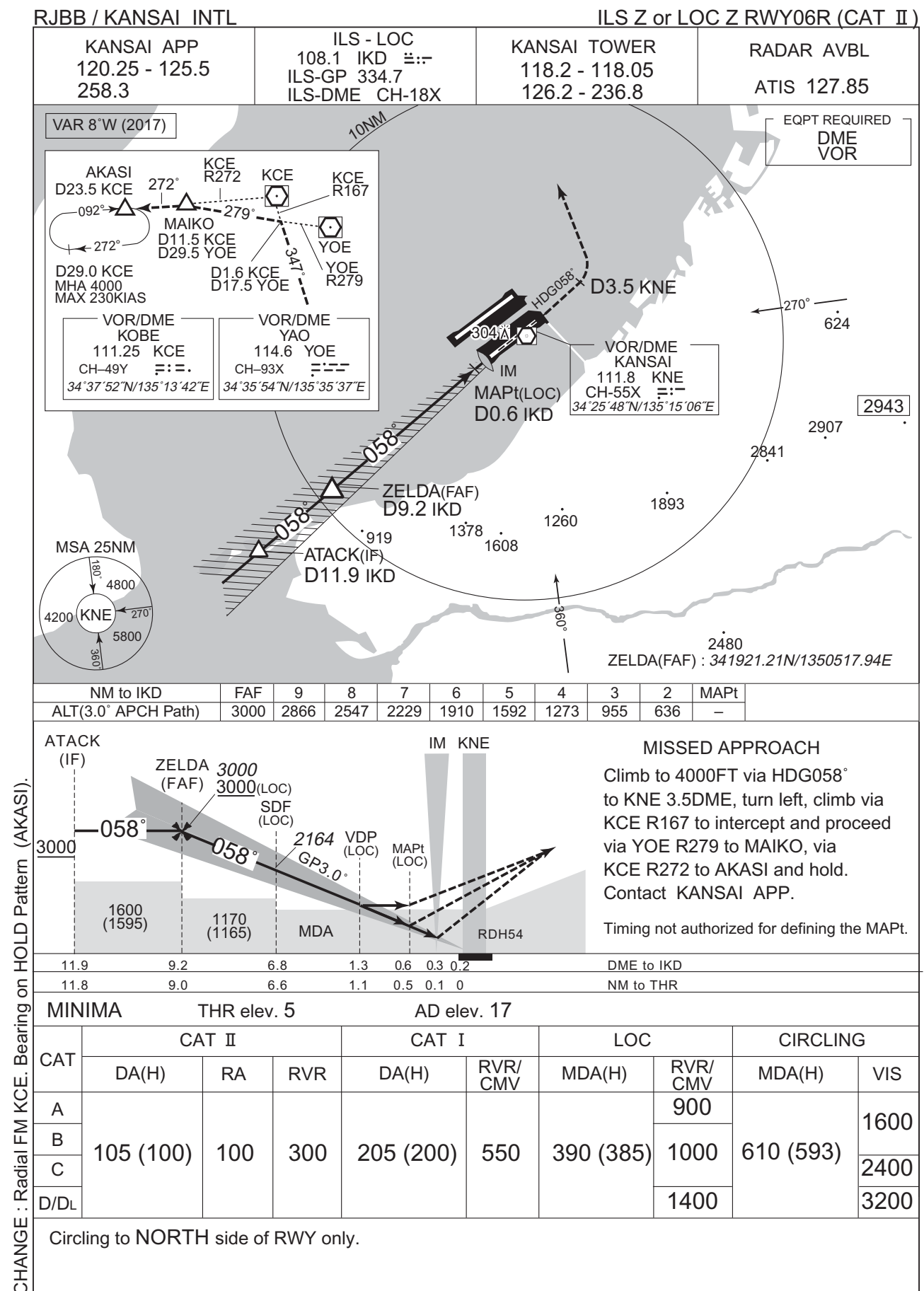
| | | | | | | | | |
|------|------|------|------|-----|-----|-----|-----|------------|
| 21.8 | 17.1 | 12.1 | 10.0 | 0.9 | 0.6 | 0.3 | 0.2 | DME to IKJ |
| 21.6 | 16.9 | 11.9 | 9.8 | 0.7 | 0.5 | 0.1 | 0 | NM to THR |

| MINIMA | | | | | | | | | | THR elev. 15 | | | 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 | 115 (100) | 100 | 300 | 215 (200) | 550 | 290 (273) | 800 | 610 (593) | 1600 | | | | | | |
| B | | | | | | | | | 2400 | | | | | | |
| C | | | | | | | | | 2400 | | | | | | |
| D/DL | | | | | | | 3200 | | | | | | | | |

Circling to NORTH side of RWY only.

CHANGE : VAR. PROC course.

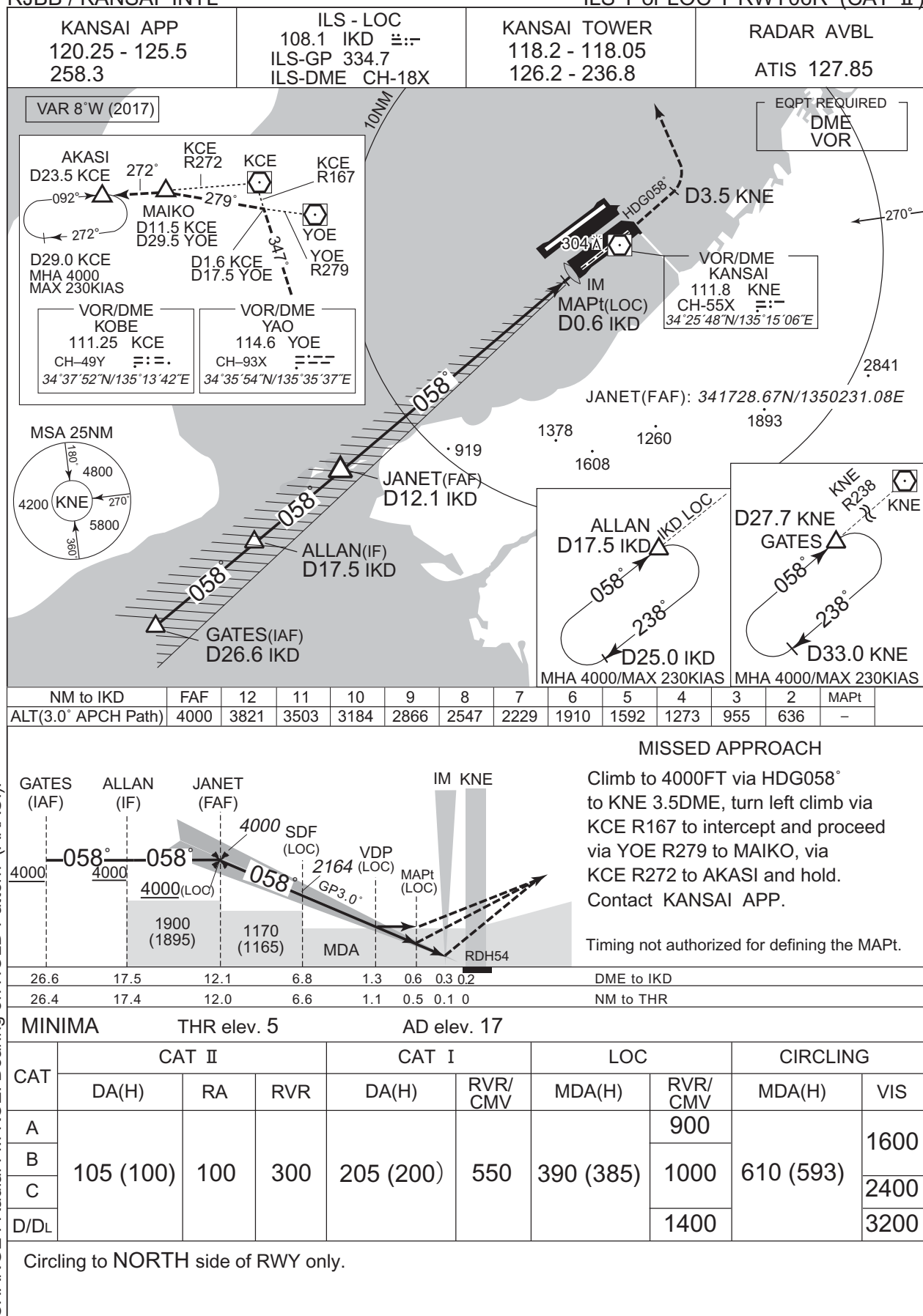
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

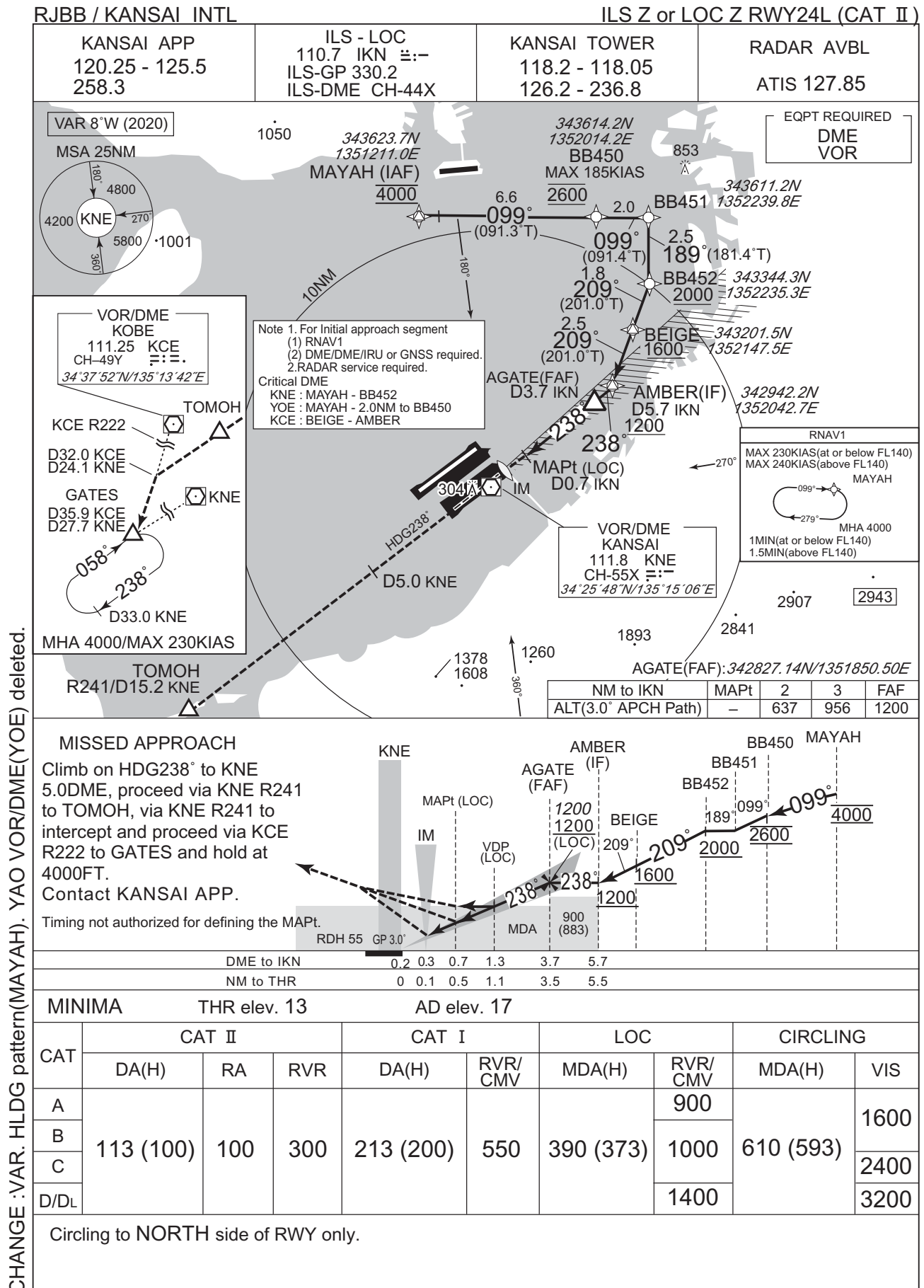
RJBB / KANSAI INTL

ILS Y or LOC Y RWY06R (CAT II)



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

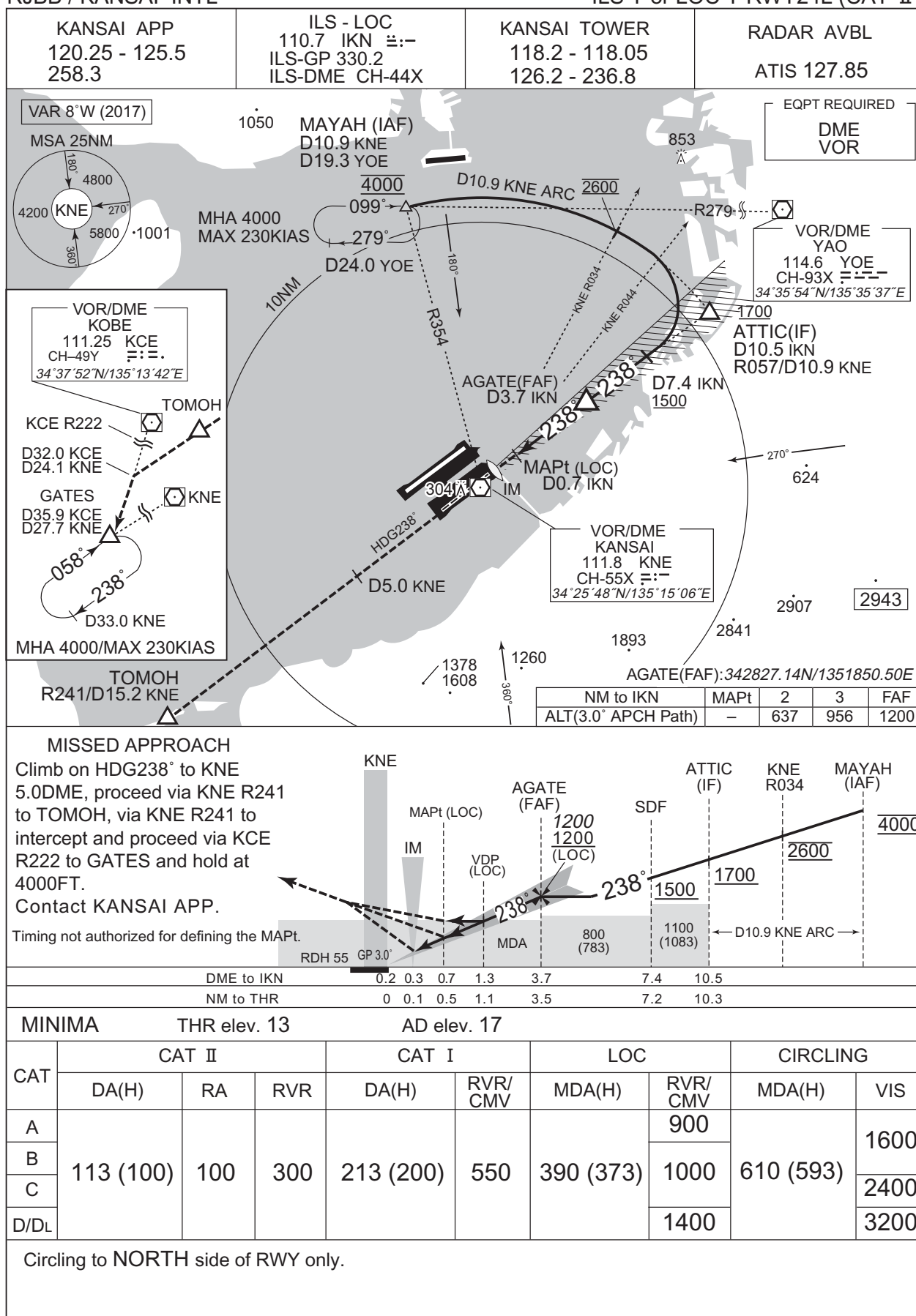
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

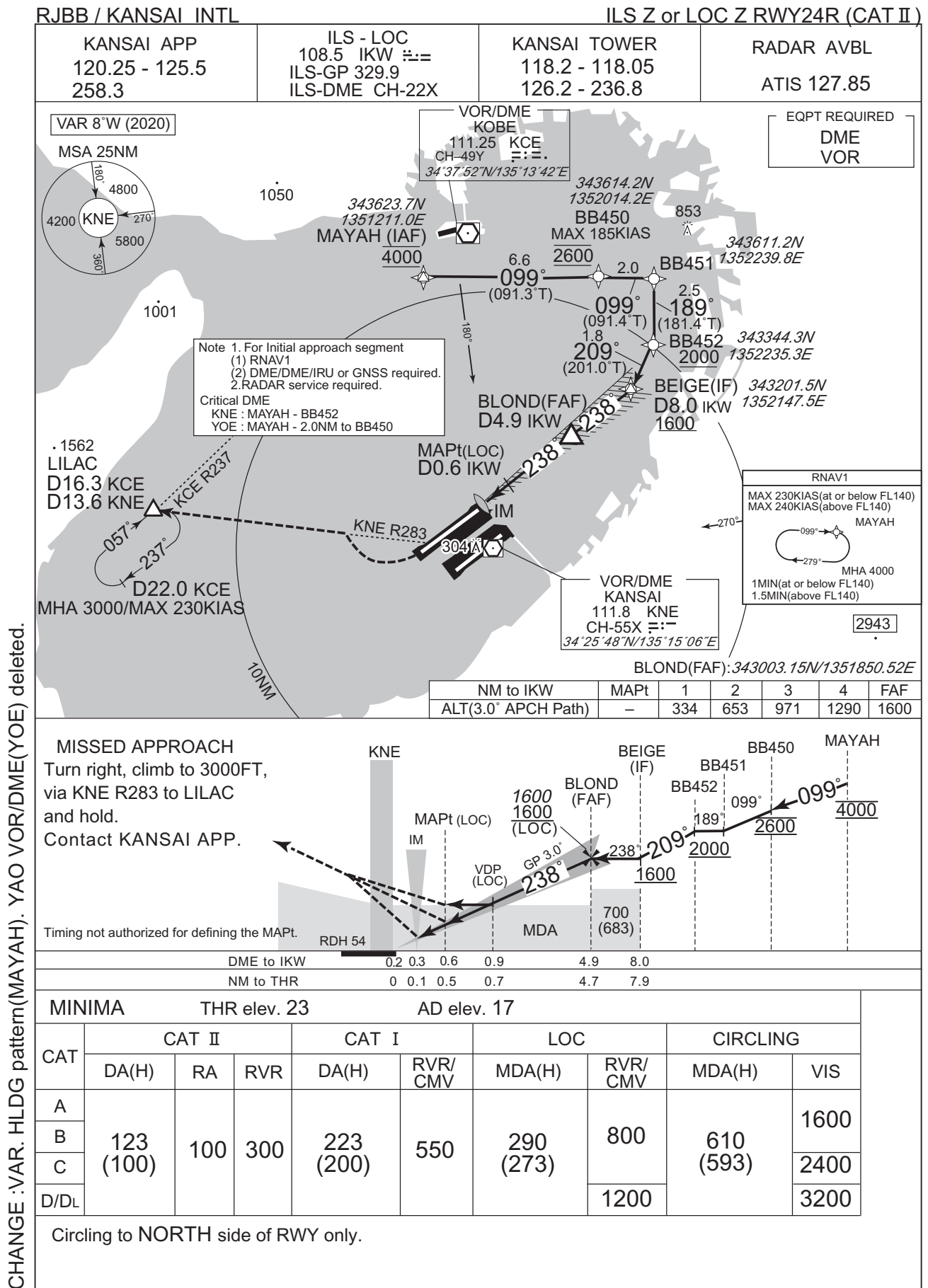
RJBB / KANSAI INTL

ILS Y or LOC Y RWY24L (CAT II)



CHANGE : Editorial(RJBE RWY added).

INSTRUMENT APPROACH CHART



CHANGE : VAR. HLDG pattern(MAYAH). YAO VOR/DME(YOE) deleted.

RJBB / KANSAI INTL

ILS Y or LOC Y RWY24R (CAT II)

VAR 8°W (2017)

MSA 25NM

KNE

MAYAH (IAF)
D10.9 KNE
D19.3 YOE

BLUSH (IF)
D10.6 IKW
R051/D10.9 KNE

BLOND (FAF)
D4.9 IKW

MAPt (LOC)
D0.6 IKW

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

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

VOR/DME YAO
114.6 YOY
CH-93X
34°35'54"N/135°35'37"E

EQPT REQUIRED

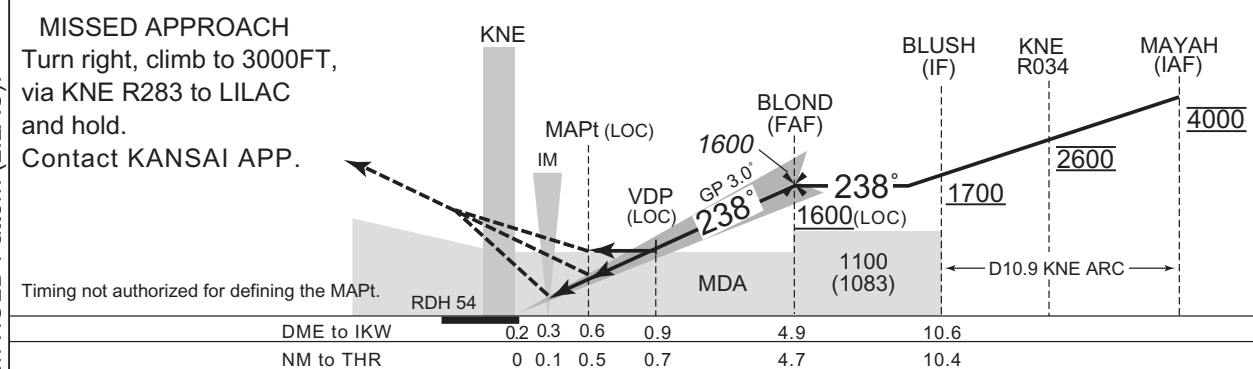
DME VOR

2943

BLOND (FAF): 343003.15N/1351850.52E

| NM to IKW | MAPt | 1 | 2 | 3 | 4 | FAF |
|---------------------|------|-----|-----|-----|------|------|
| ALT(3.0° APCH Path) | - | 334 | 653 | 971 | 1290 | 1600 |

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



| <div> <div>MINIMA</div> <div>THR elev. 23</div> <div>AD elev. 17</div> </div> | | | | | | | | | |
|---|--------------|-----|-----|--------------|-------------|--------------|-------------|--------------|------|
| CAT | CAT II | | | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RA | RVR | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 123 (100) | 100 | 300 | 223 (200) | 550 | 290 (273) | 800 | 610 (593) | 1600 |
| B | | | | | | | | | 2400 |
| C | | | | | | | | | 2400 |
| D/DL | | | | | | | 1200 | | 3200 |

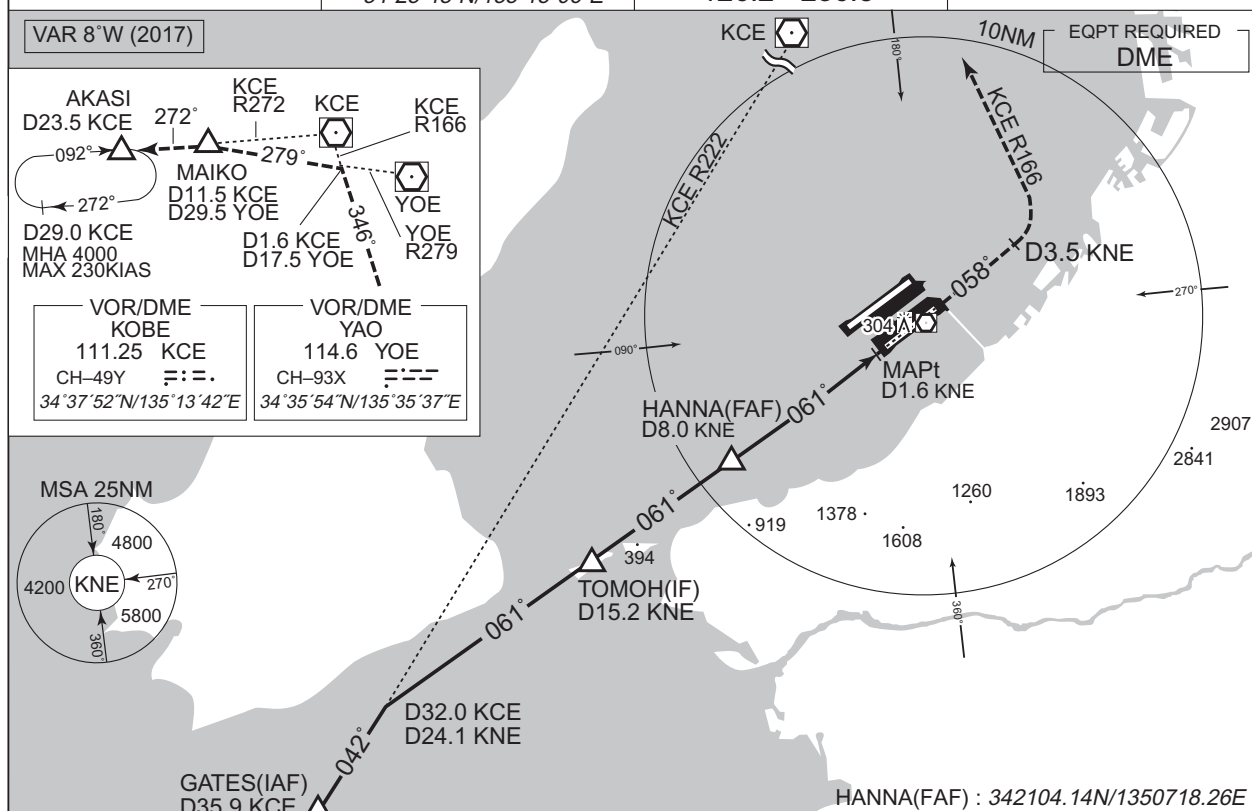
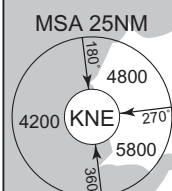
Circling to NORTH side of RWY only.

RJBB / KANSAI INTL

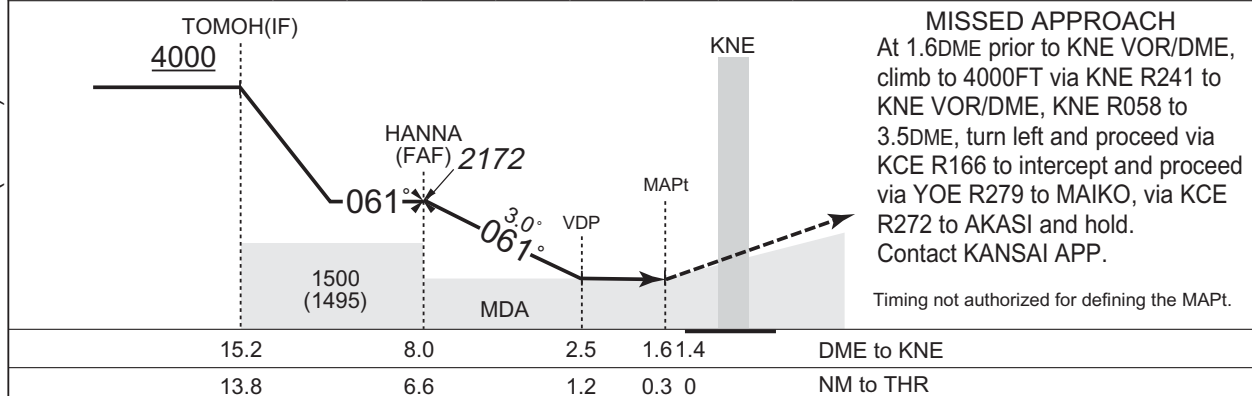
VOR RWY06R

VAR 8°W (2017)

EQPT REQUIRED
DME



| | | | | | | | | |
|---------------------|------|------|------|------|-----|-----|------|--|
| NM to KNE | FAF | 7 | 6 | 5 | 4 | 3 | MAPt | |
| ALT(3.0° APCH Path) | 2172 | 1853 | 1535 | 1216 | 898 | 579 | — | |



| MINIMA | | THR elev. 5 | AD elev. 17 | |
|--------|-----------|-------------|-------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 420 (415) | 900 | 610 (593) | 1600 |
| B | | 1000 | | |
| C | | | | 2400 |
| D | | | | |

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

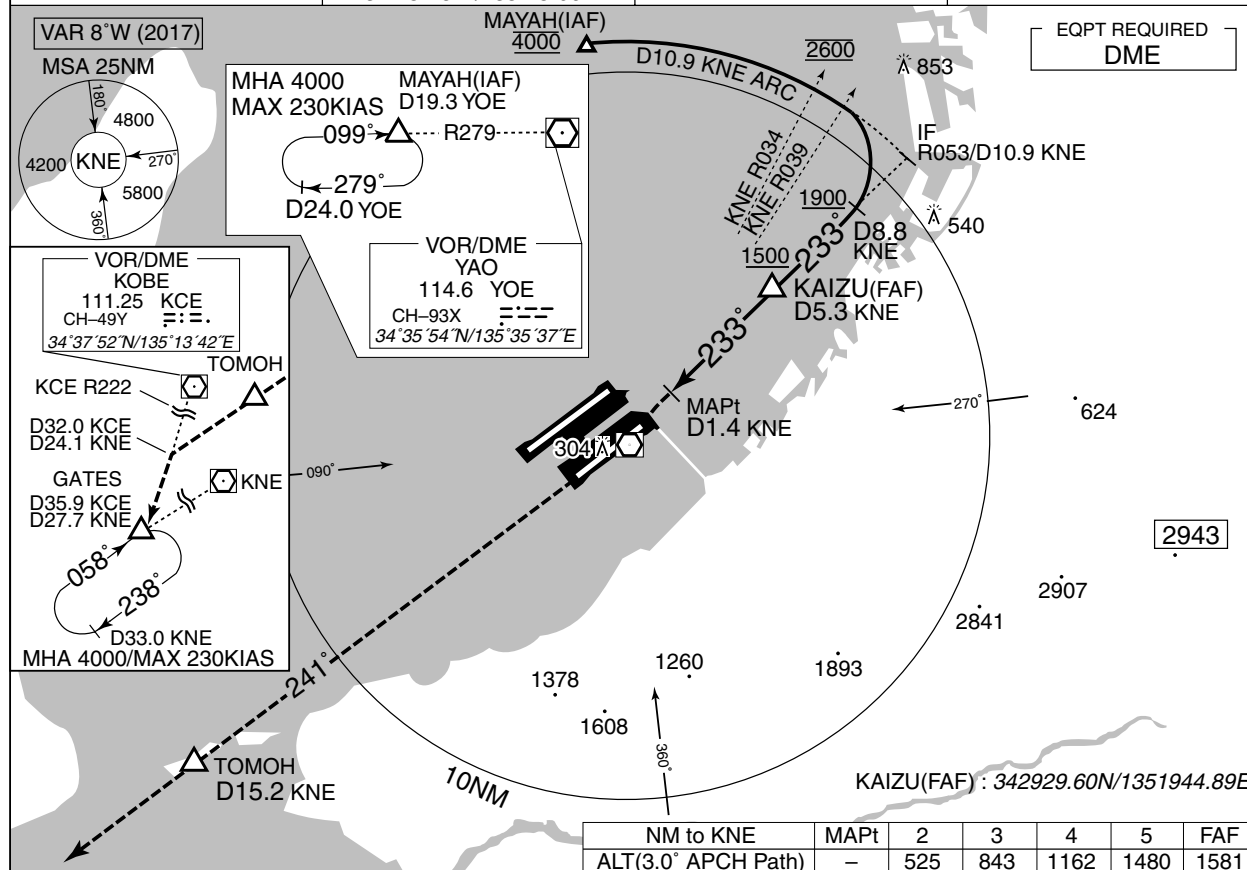
CHANGE : Radial FM KCE. Bearing on HOLD Pattern (AKASI).

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

VOR RWY24L

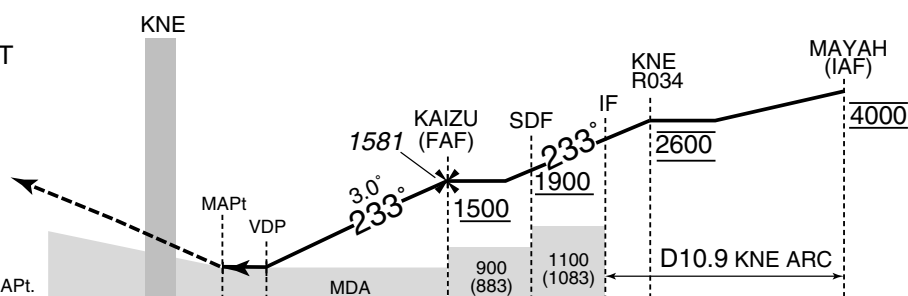
| | | | |
|---------------------------------------|---|---|---------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | KANSAI VOR/DME 111.8 KNE CH-55X 34°25'48"N/135°15'06"E | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|---|---|---------------------------|



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) | VIS |
| | MDA(H) | RVR/CMV | | |
| A | 450 (433) | 900 | 610 (593) | 1600 |
| B | | 1000 | | 2400 |
| C | | 1400 | | 3200 |
| D | | | | |

Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

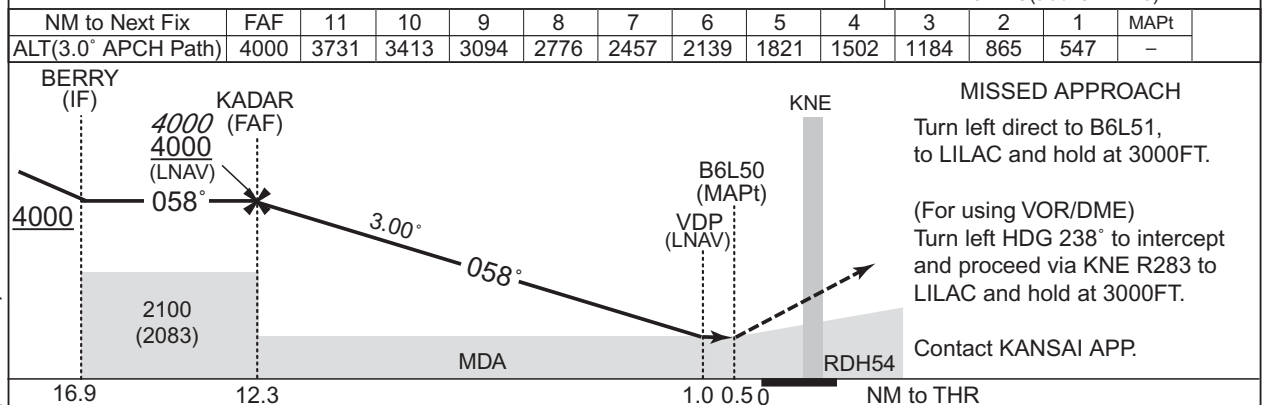
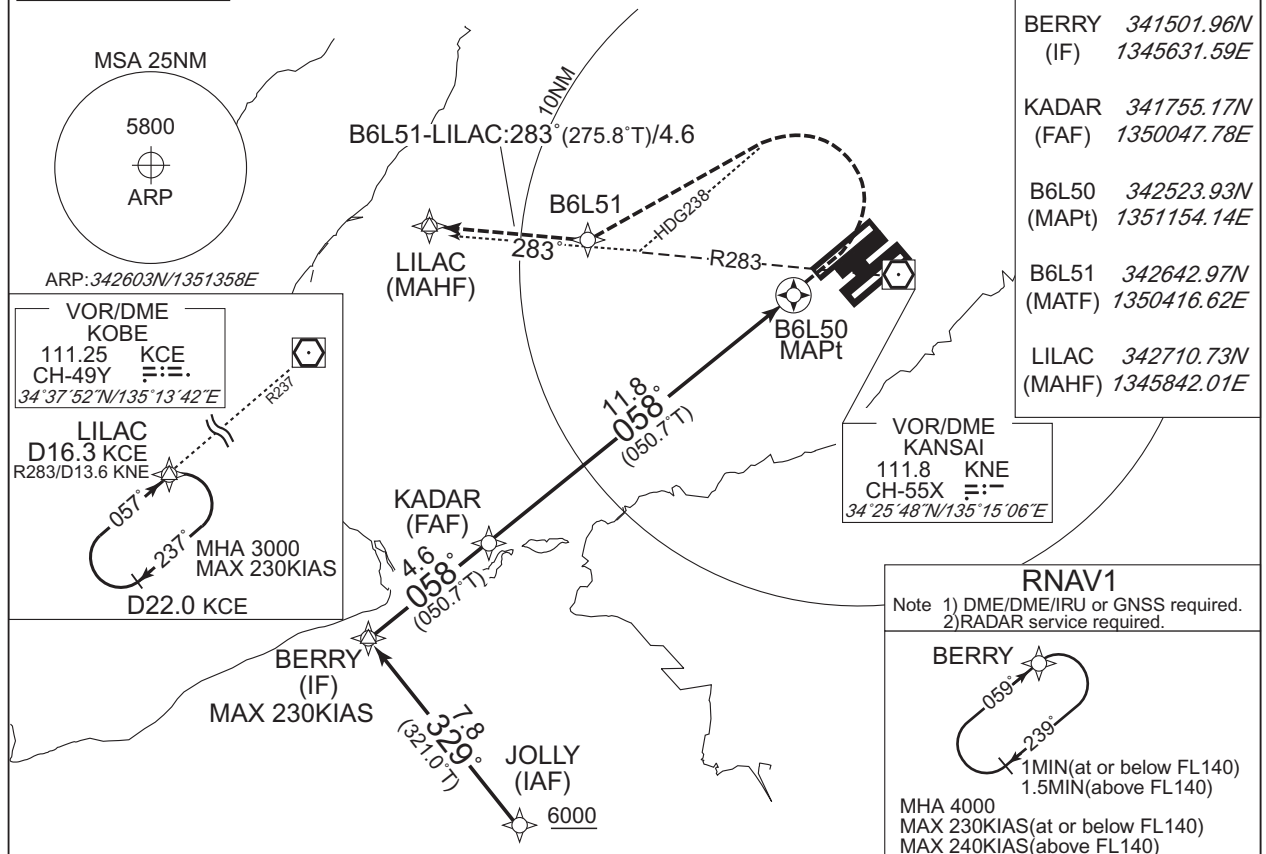
RJBB / KANSAI INTL

RNAV(GNSS) RWY06L

| | | | |
|---------------------------------------|--|---|---------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | 1 DME/DME not authorized. 2 RADAR service required. 3 GNSS required. | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|--|---|---------------------------|

Baro-VNAV not authorized below -5°C

VAR 8°W (2017)



CHANGE : HLDG course(BERRY).

| MINIMA | | THR elev. 15 | | AD elev. 17 | | |
|--------|-----------|--------------|----------|-------------|----------|------|
| CAT | LNAV/VNAV | | LNAV | | CIRCLING | |
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 360(345) | 900 | 360(343) | 900 | 610(593) | 1600 |
| B | | 1000 | | 1000 | | 2400 |
| C | | | | | | |
| D | | | | | | |

Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

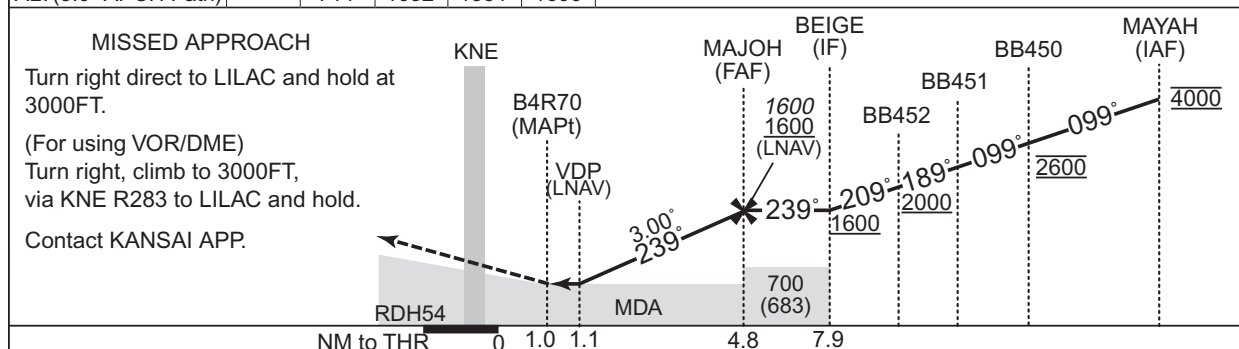
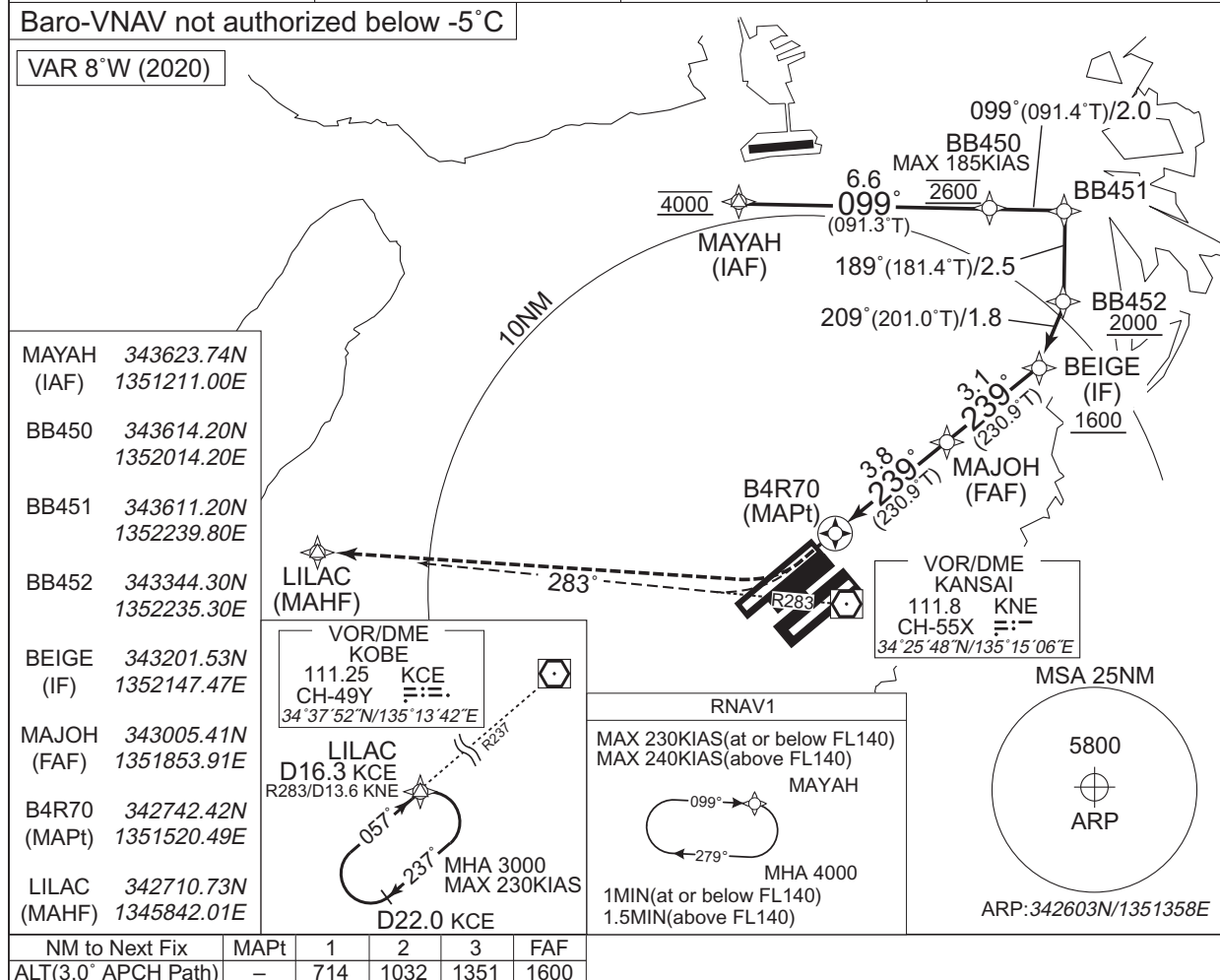
RJBB / KANSAI INTL

RNAV(GNSS) RWY24R

| | | | |
|---------------------------------------|--|---|-------------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | 1 DME/DME not authorized. 2 RADAR service required. 3 GNSS required. | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|--|---|-------------------------------|

Baro-VNAV not authorized below -5°C

VAR 8°W (2020)



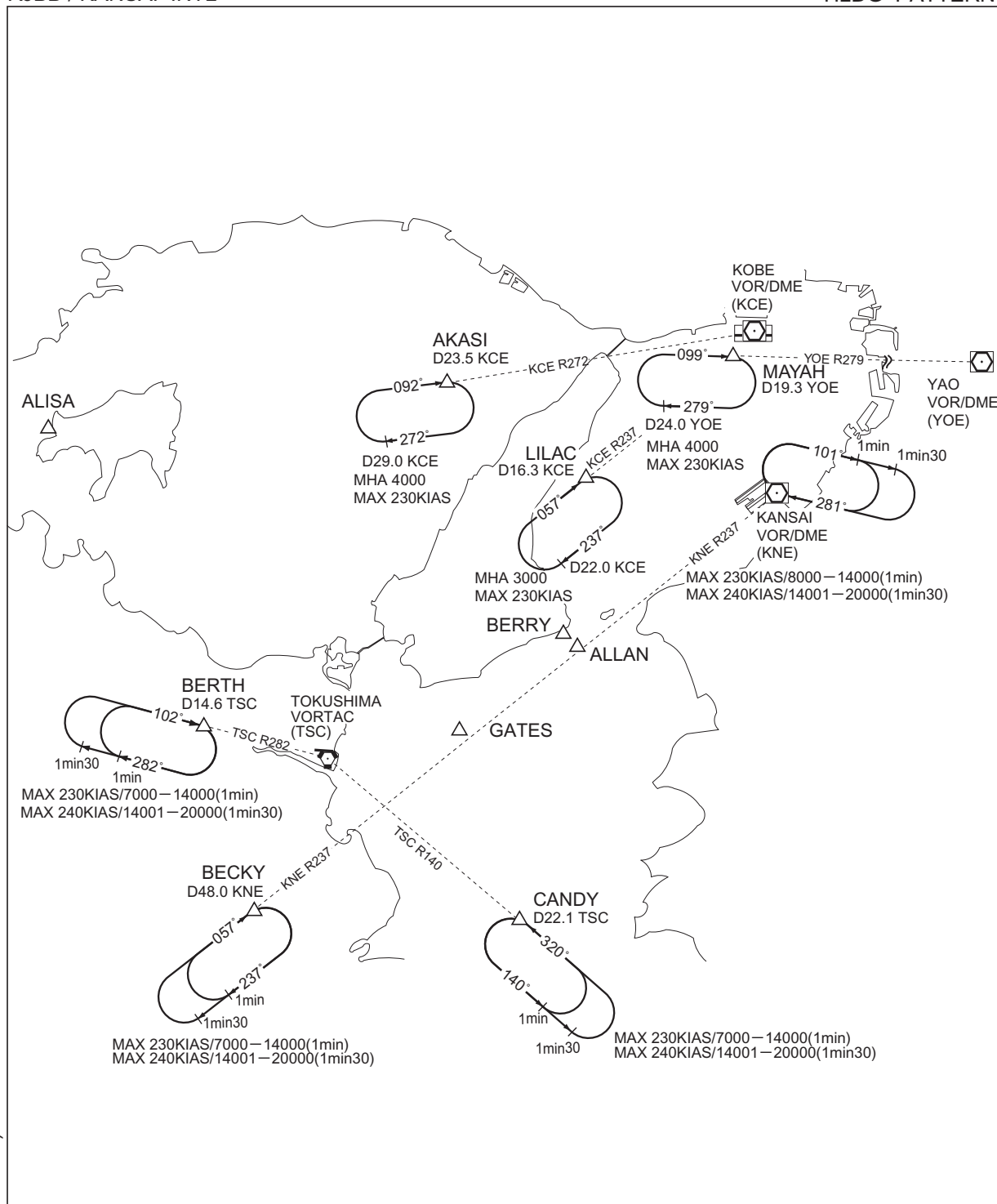
| MINIMA | | THR elev. 23 | | AD elev. 17 | | |
|--------|-----------|--------------|----------|-------------|----------|------|
| CAT | LNAV/VNAV | | LNAV | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 400(377) | 900 | 400(383) | 900 | 610(593) | 1600 |
| B | | 1000 | | 1000 | | 2400 |
| C | | | | | | |
| D | | | | | | |

Circling to NORTH side of RWY only.

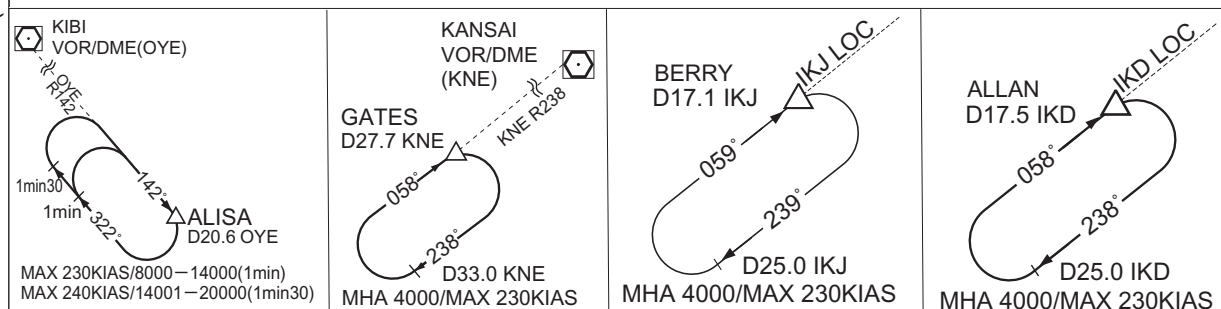
Circling to NORTH side of RWY only.

RJBB / KANSAI INTL

HLDG PATTERN



CHANGE : HLDG course(BERRY).



RJBB / KANSAI INTL

RNAV HLDG PATTERN

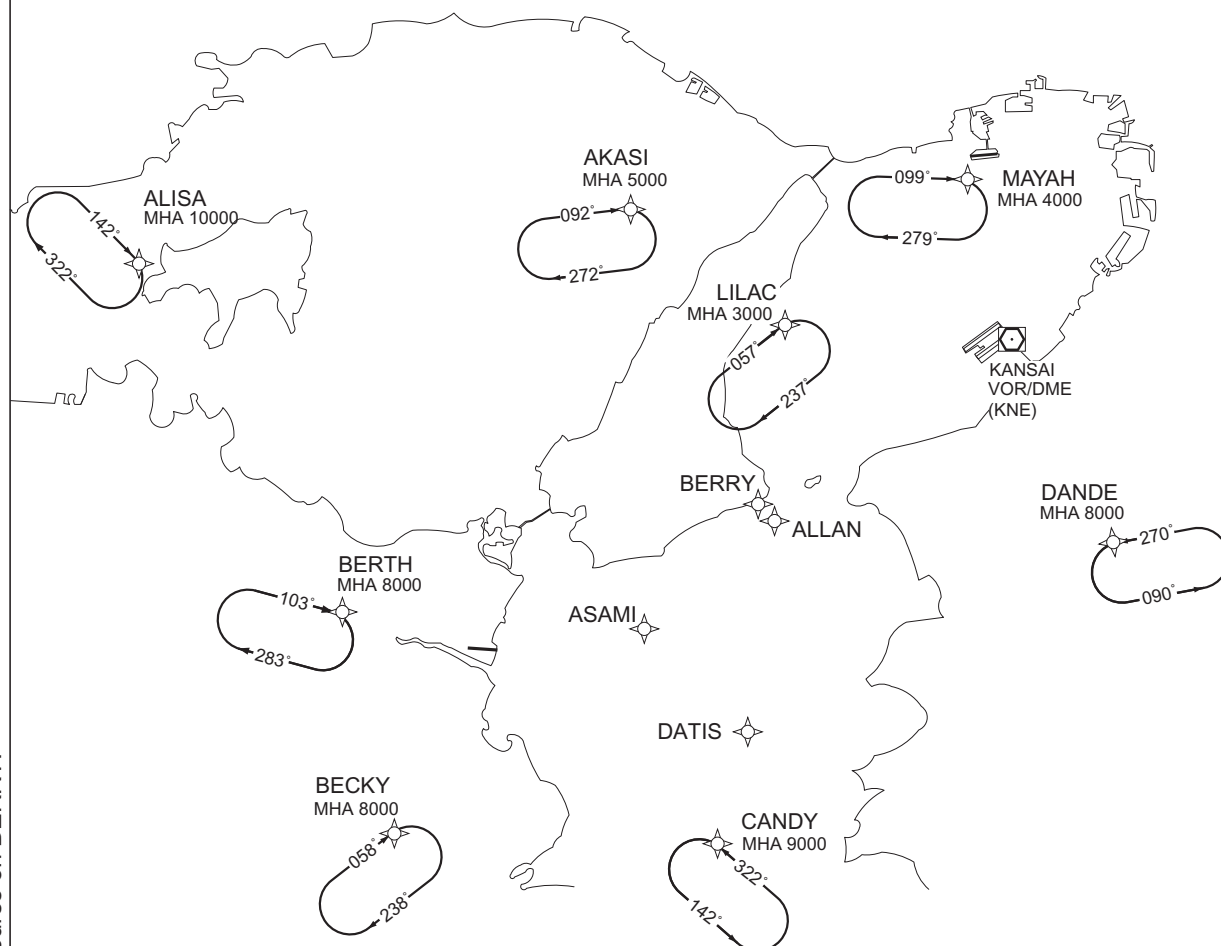
Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.

RNAV1

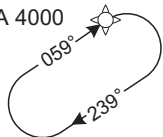
1) Outbound Time / Distance

2) Speed

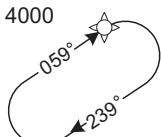
→ See Tabular Description.



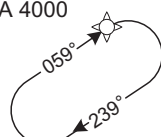
ASAMI
MHA 4000



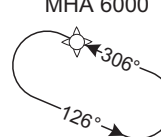
BERRY
MHA 4000



ALLAN
MHA 4000



DATIS
MHA 6000



CHANGE : HLDG pattern established. HLDG course on BERRY.

RJBB / KANSAI INTL

RNAV HLDG PATTERN

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Outbound Distance (NM) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | AKASI | 092 (083.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ALISA | 142 (134.0) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 10000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ALLAN | 059 (050.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | ASAMI | 059 (050.7) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BECKY | 058 (050.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BERRY | 059 (050.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BERTH | 103 (095.4) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | CANDY | 322 (313.8) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 9000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | DANDE | 270 (262.6) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 8000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | DATIS | 306 (298.6) | -7.8 | 1.0(-14000) 1.5(+14001) | — | L | 6000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | LILAC | 057 (049.2) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 3000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | MAYAH | 099 (091.3) | -7.8 | 1.0(-14000) 1.5(+14001) | — | R | 4000 | — | -230(-14000) -240(+14001) | RNAV1 |

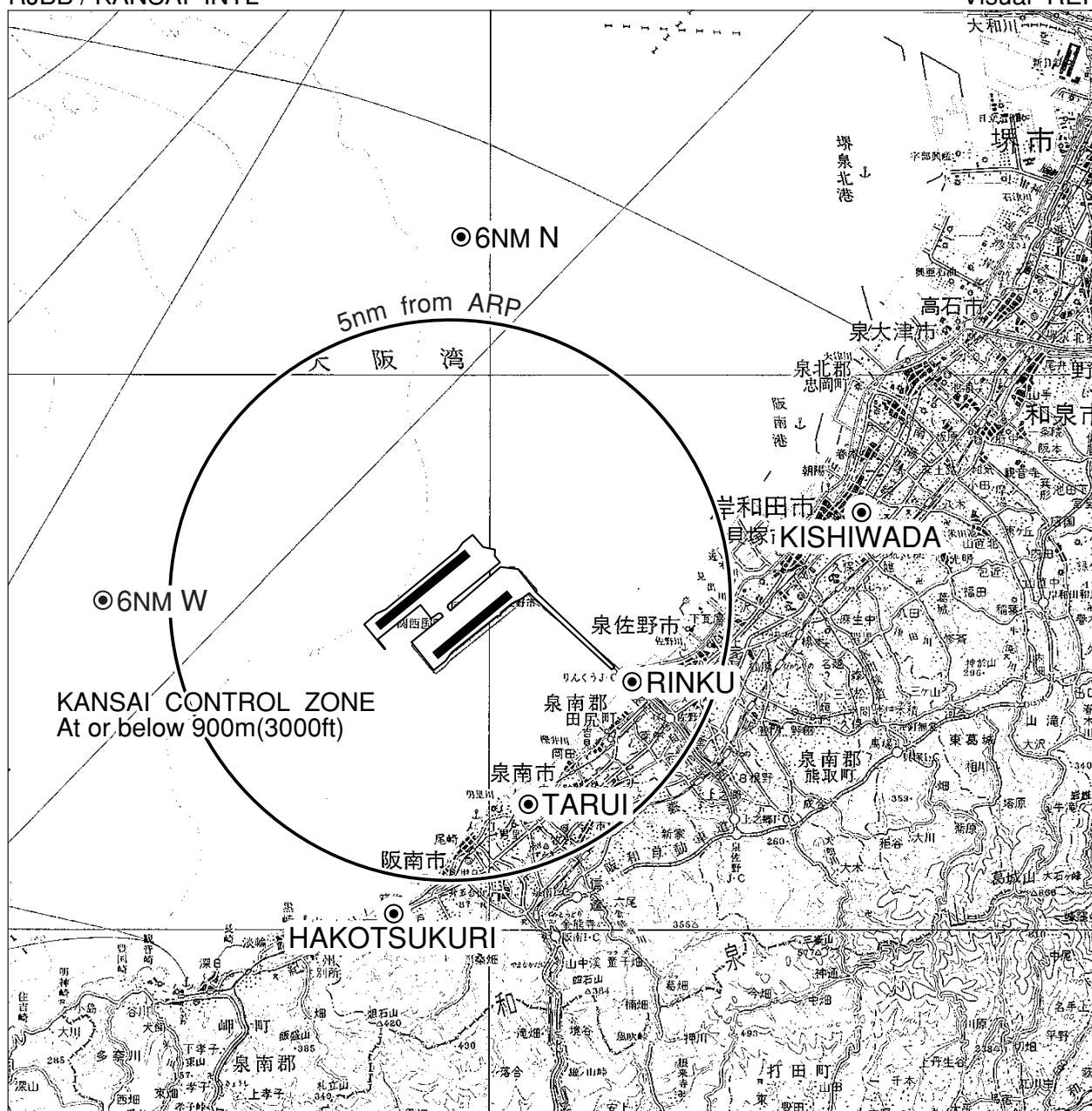
Waypoint Coordinates

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

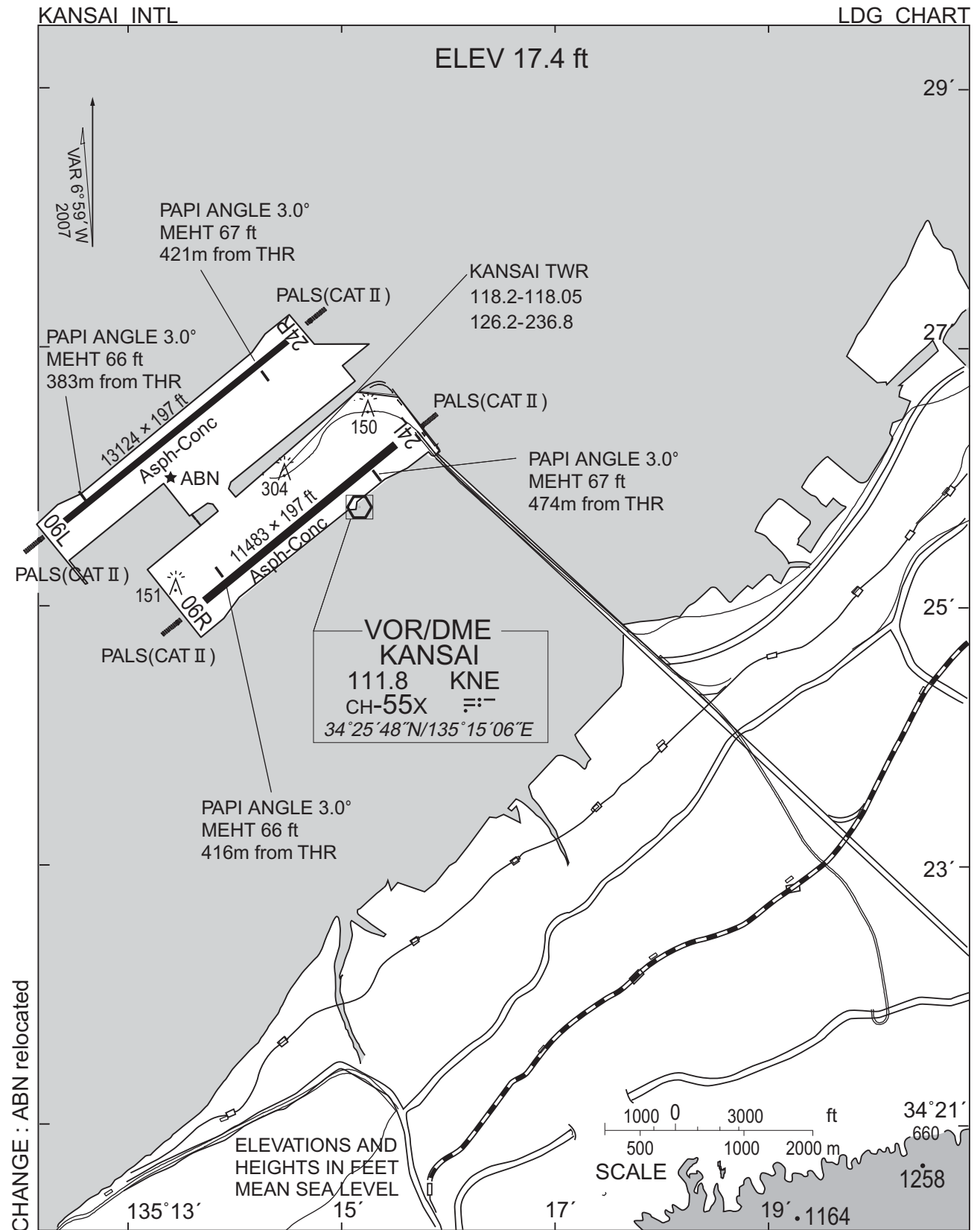
CHANGE : HLDG pattern established. HLDG course on BERRY.

RJBB / KANSAI INTL

Visual REP



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



RJBB / KANSAI INTL

Minimum Vectoring Altitude CHART

