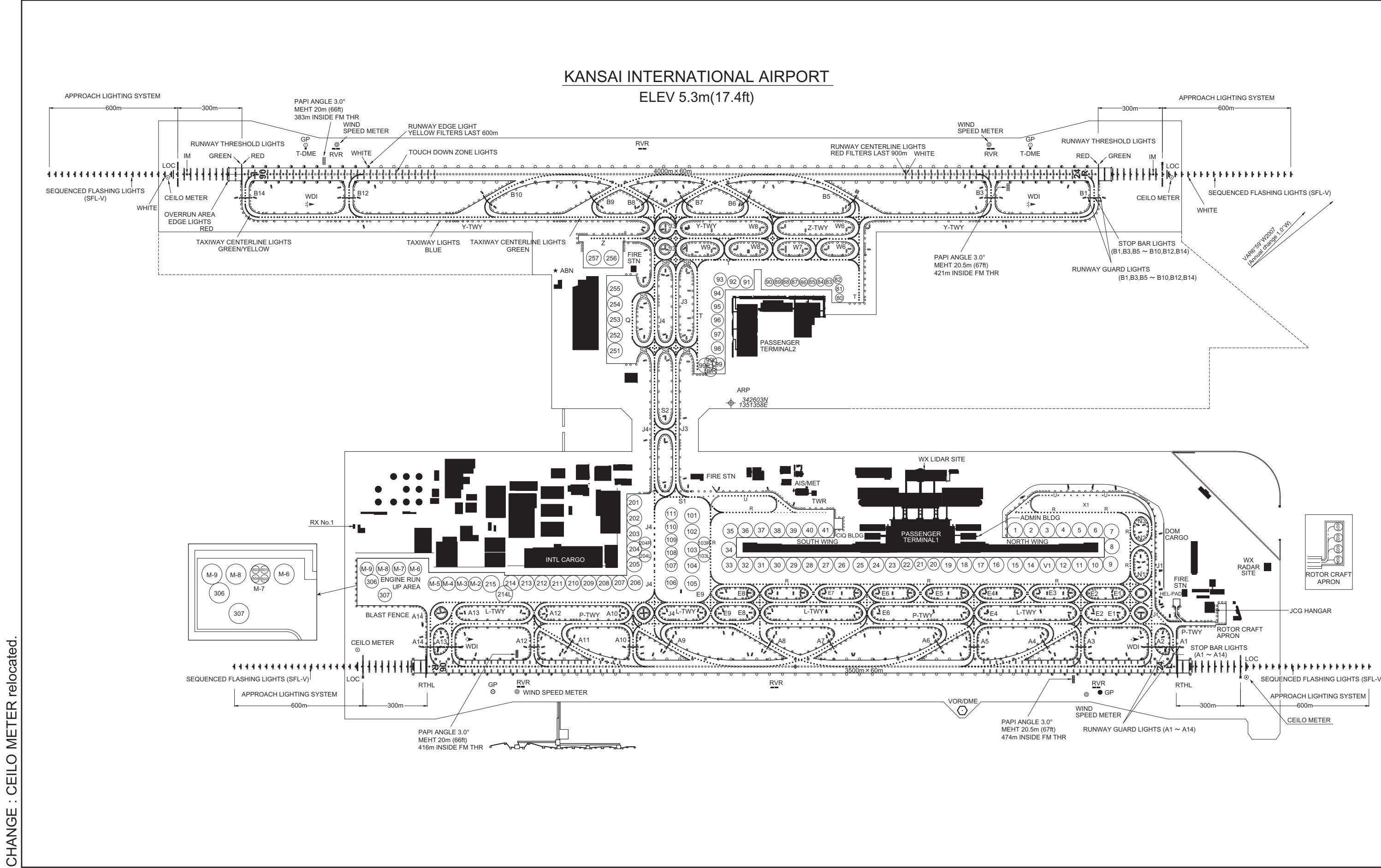
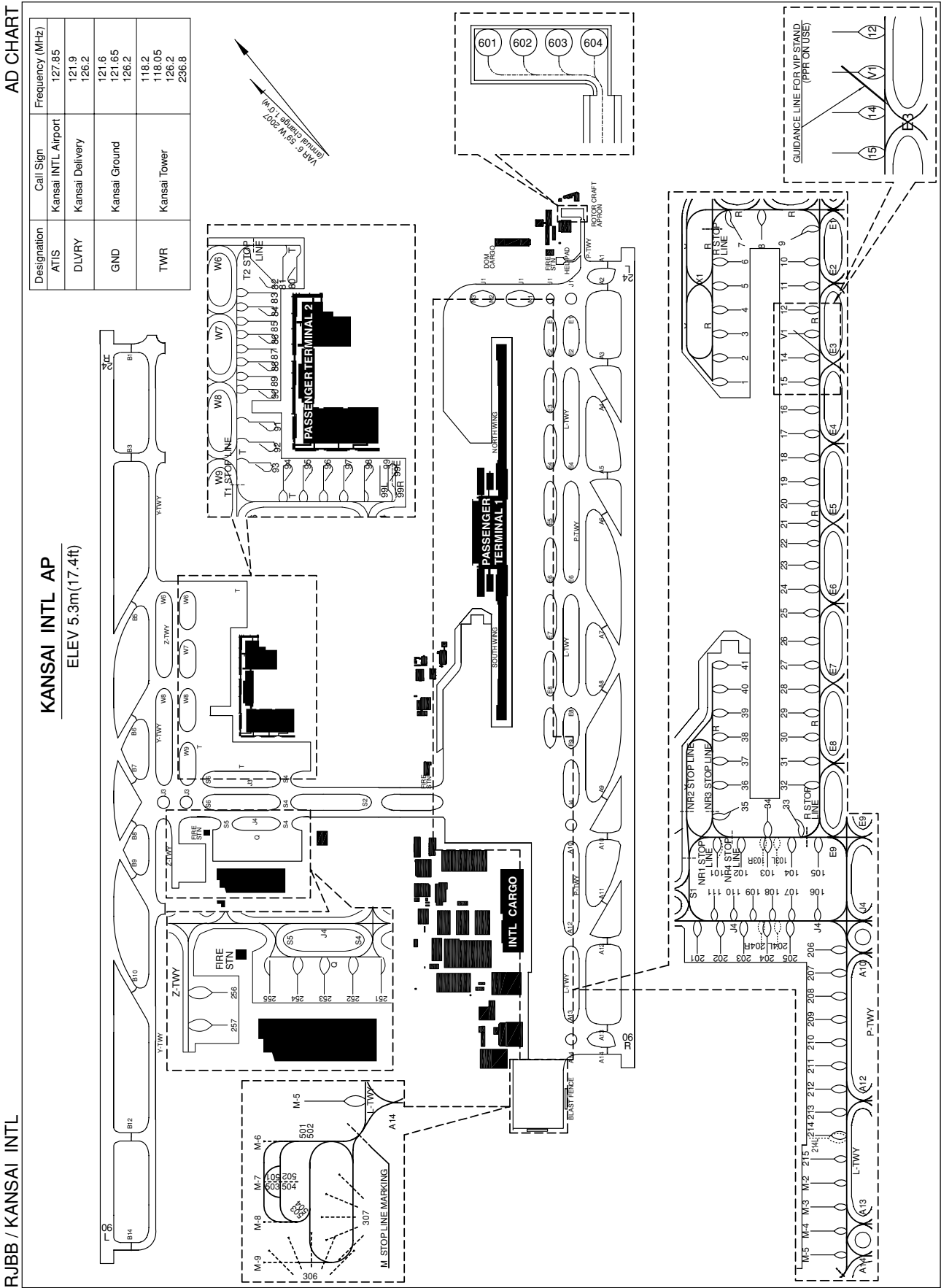
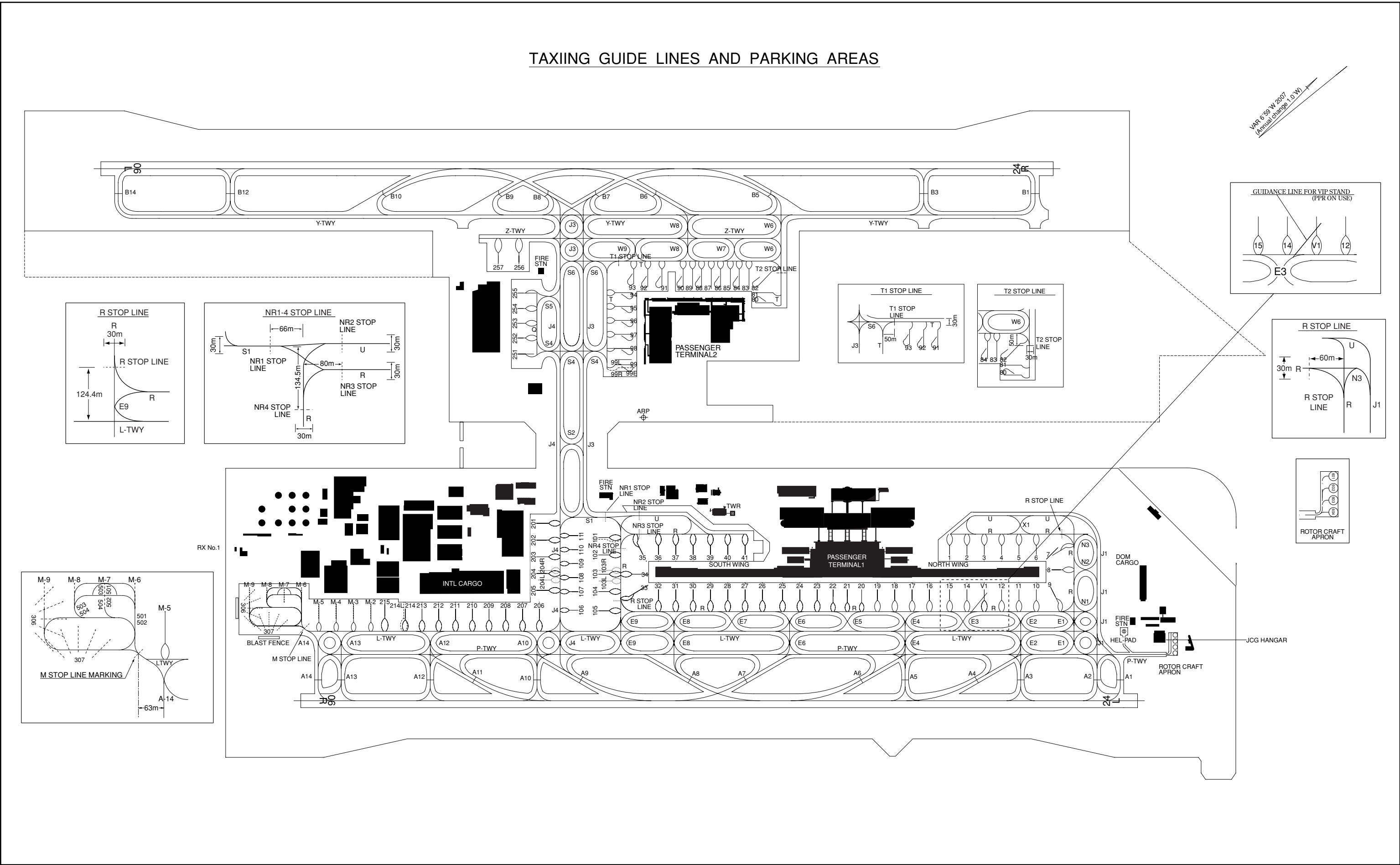


AERODROME CHART





TAXIING GUIDE LINES AND PARKING AREAS



DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC



AERODROME OBSTACLE CHART - ICAO
TYPE A (OPERATIONAL LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8° W - FEB 2017

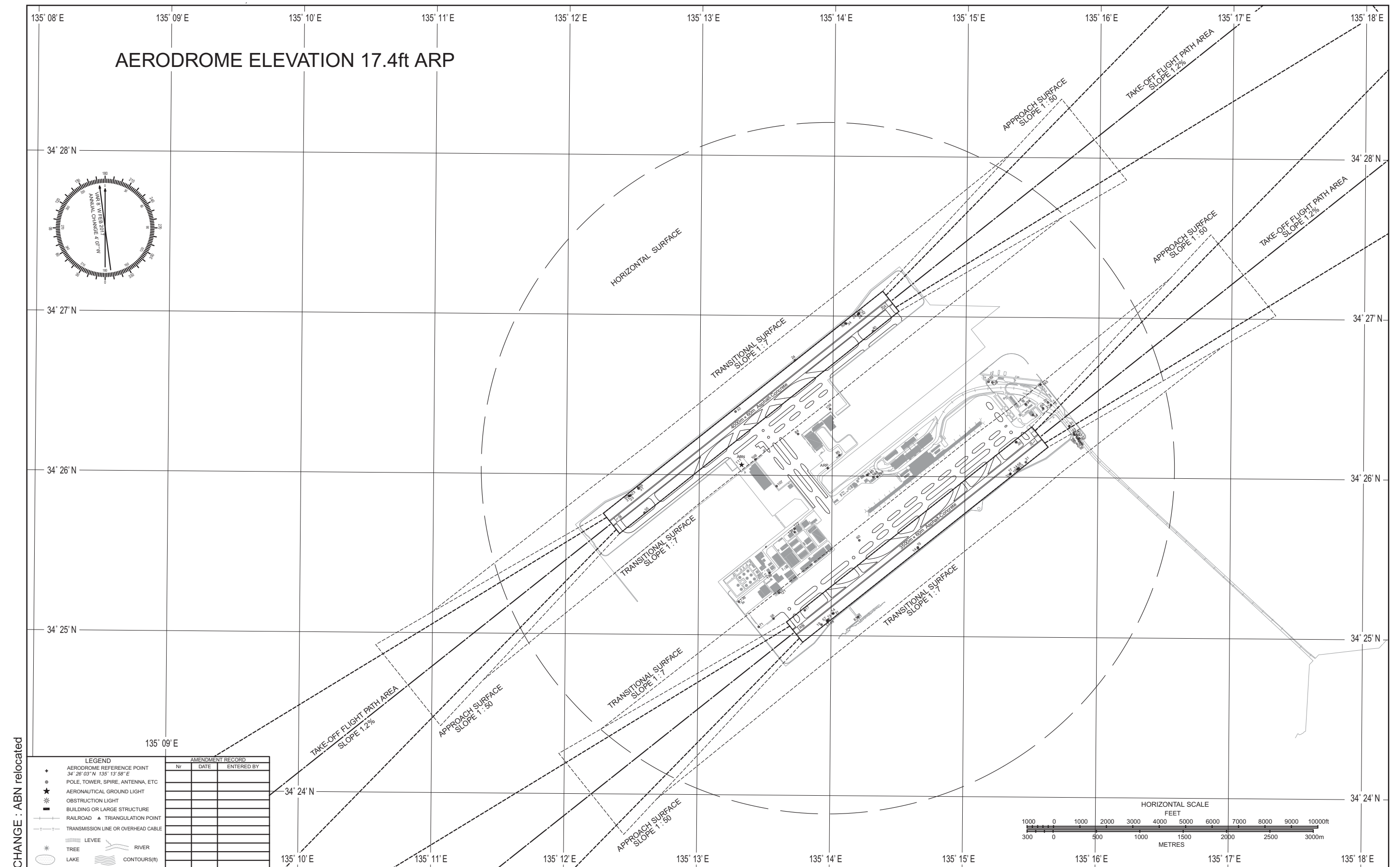


| LEGEND | | AMBIENT RECORD |
|--------|-------------------------------------|----------------|
| | IDENTIFICATION NUMBER | DATE |
| ① | POLE, TOWER, SPIRE, ANTENNA, ETC | ENTERED BY |
| ⊙ | TREE | |
| * | LEVEE | |
| + | RAILROAD | |
| — | RIVER | |
| — | TRANSMISSION LINE OR OVERHEAD CABLE | |
| — | TRIANGULATION POINT | |
| ▲ | AERONAUTICAL LIGHT | |

AERODROME OBSTRUCTION CHART

TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETICS











RJBB / KANSAI INTL

SID

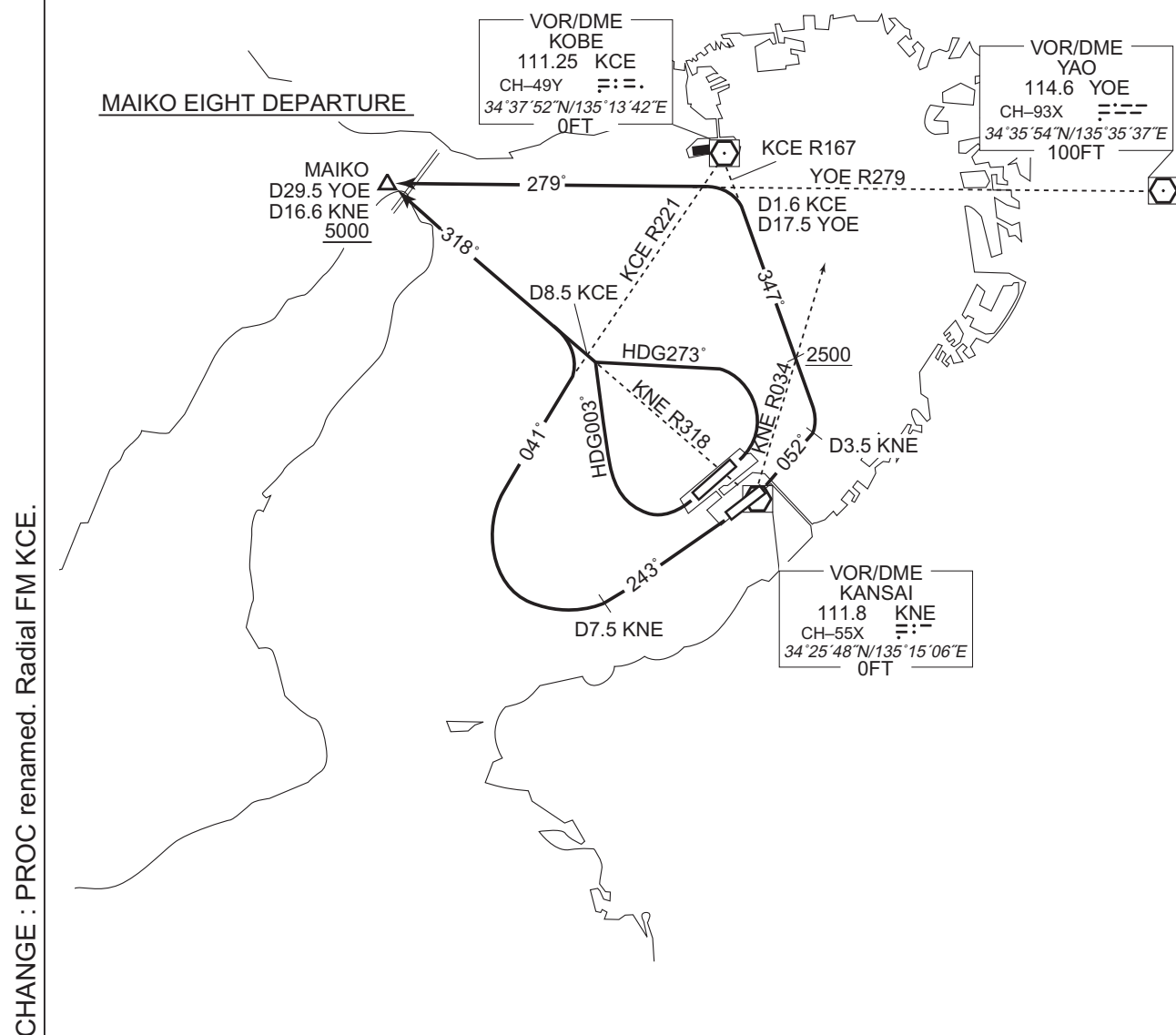
RWY06R: Climb via KNE R052 to 3.5DME, turn left, via KCE R167 to intercept and proceed via YOJ R279 to MAIKO.

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

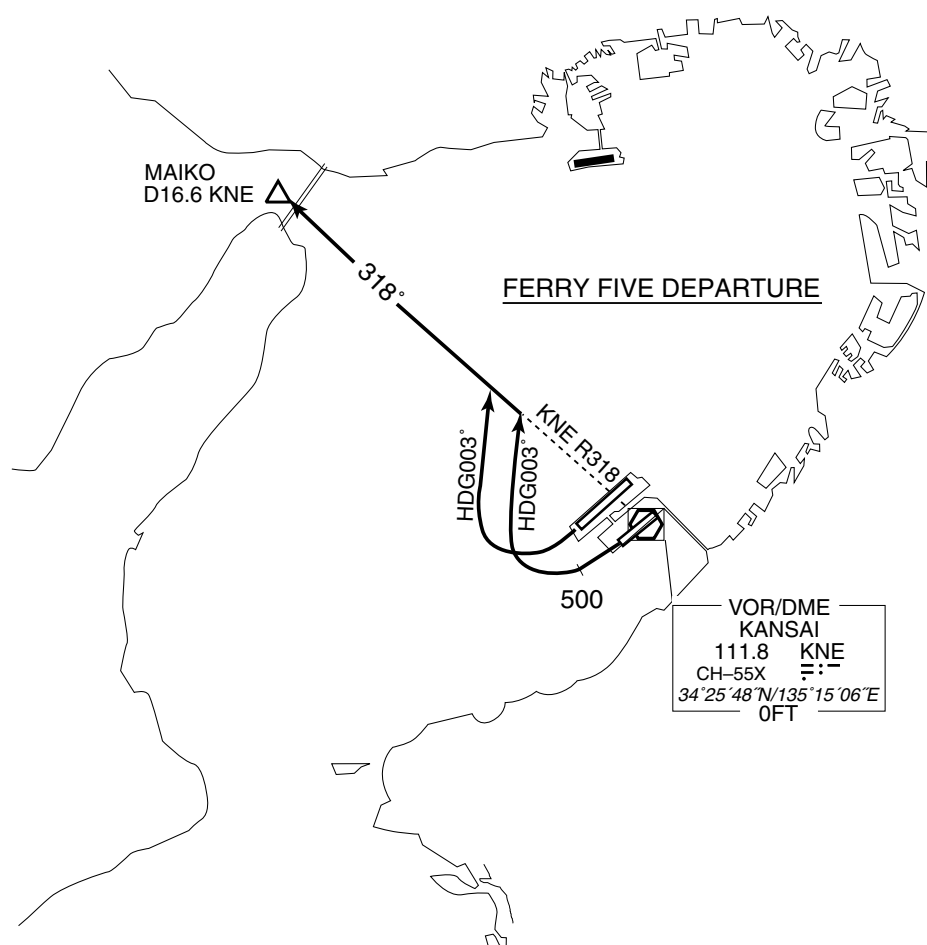
SID

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.

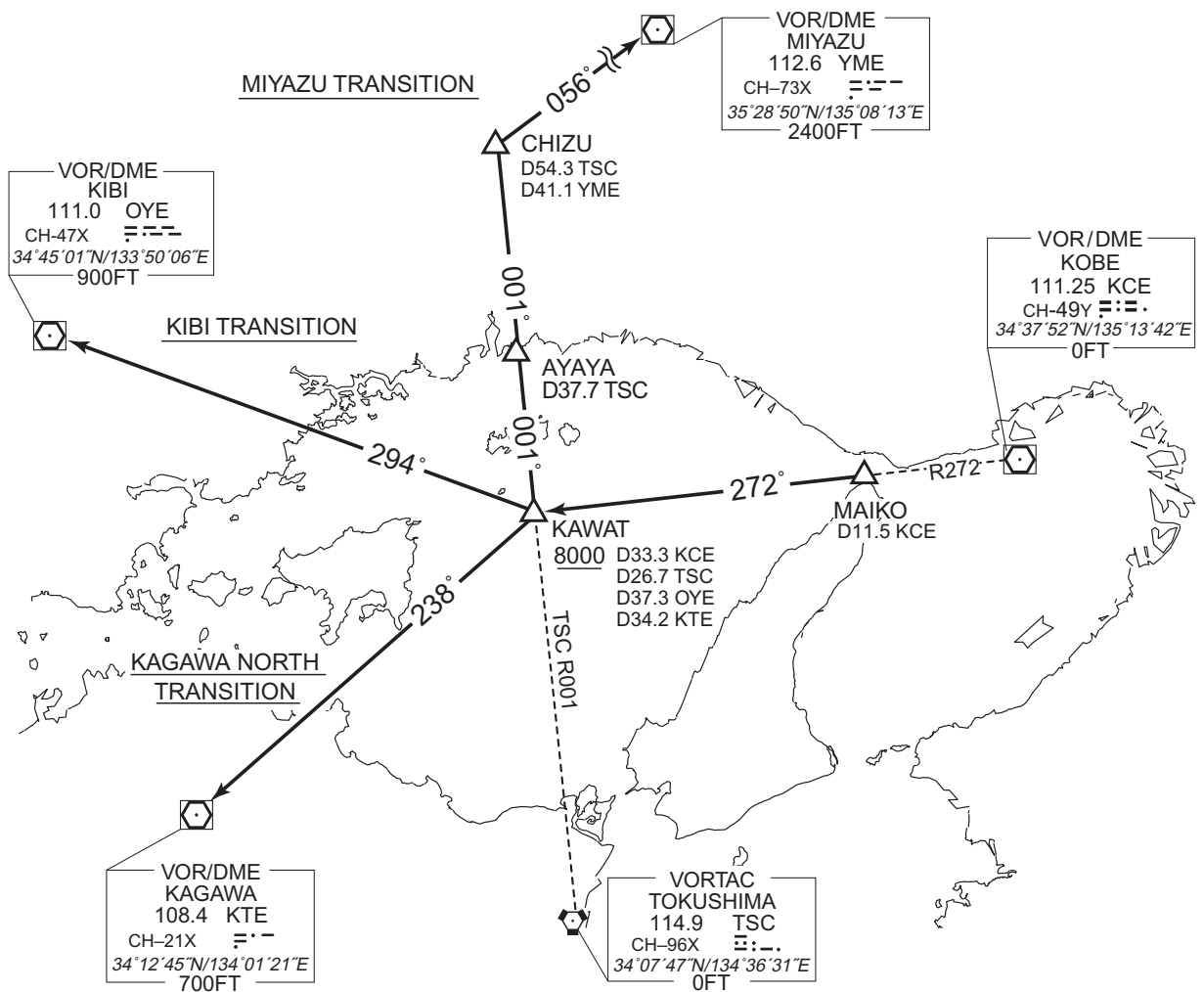
KIBI TRANSITION

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.



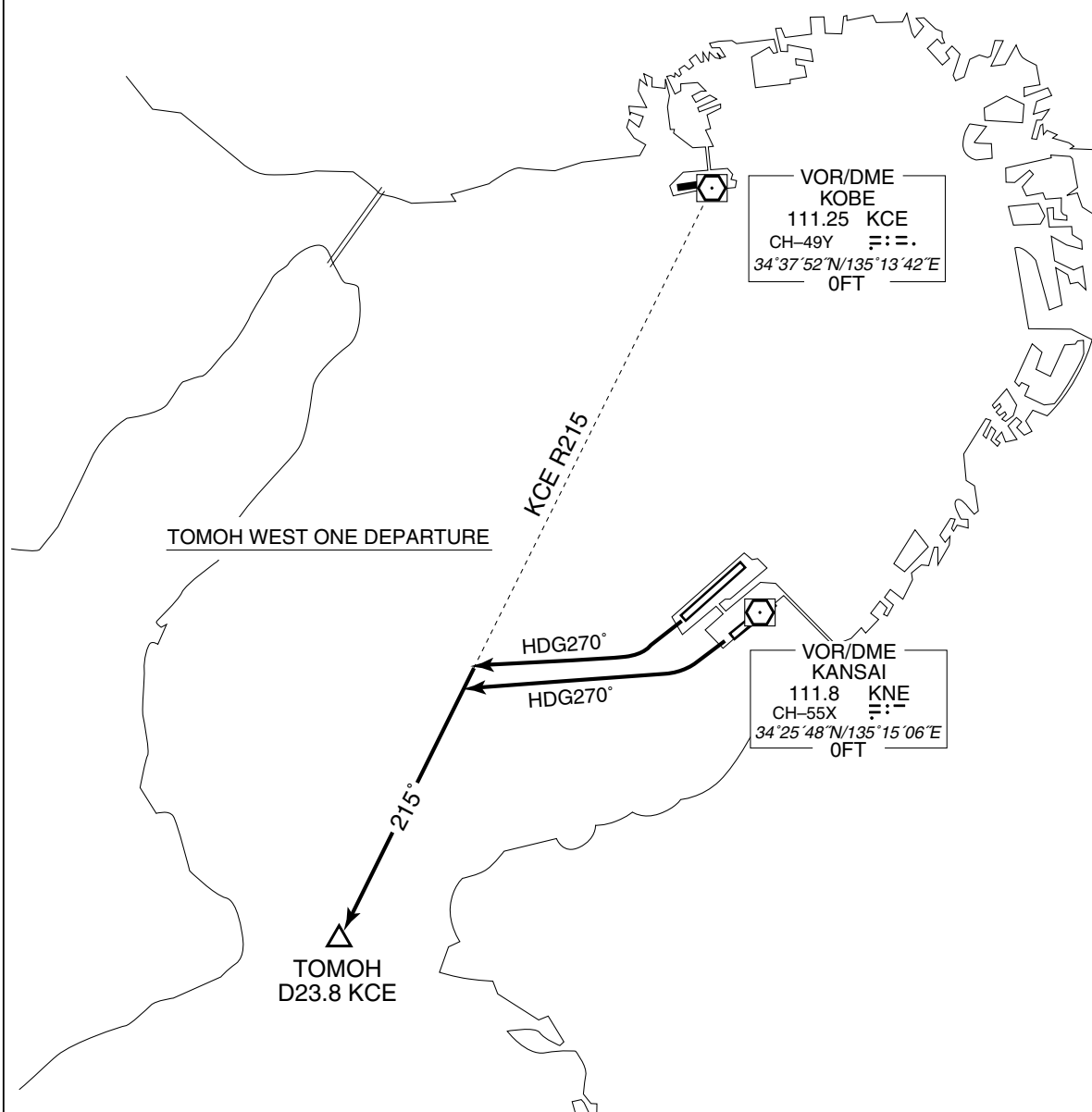
STANDARD DEPARTURE CHART-INSTRUMENT

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

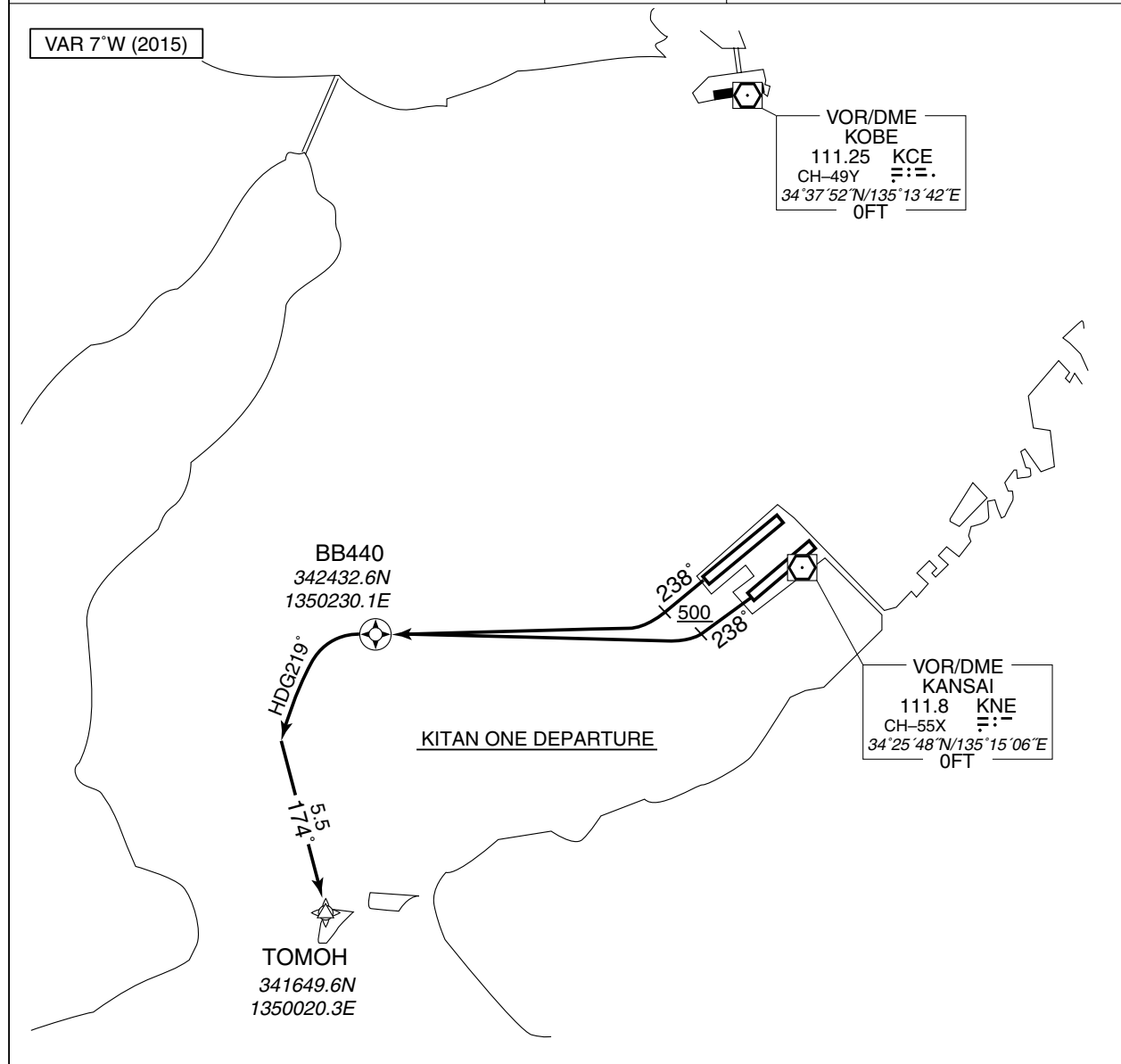


STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

| KITAN ONE DEPARTURE | | | RNAV1 |
|--|------------------------|---|-------|
| Note 1) DME/DME/IRU or GNSS required. ※ The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required. | Critical DME | — | |
| | DME GAP | — | |
| | Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 | |



KITAN ONE DEPARTURE

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

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

Note RWY24L : No turn before DER.

STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV SID

KITAN ONE DEPARTURE

RWY24R

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 238 (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 |

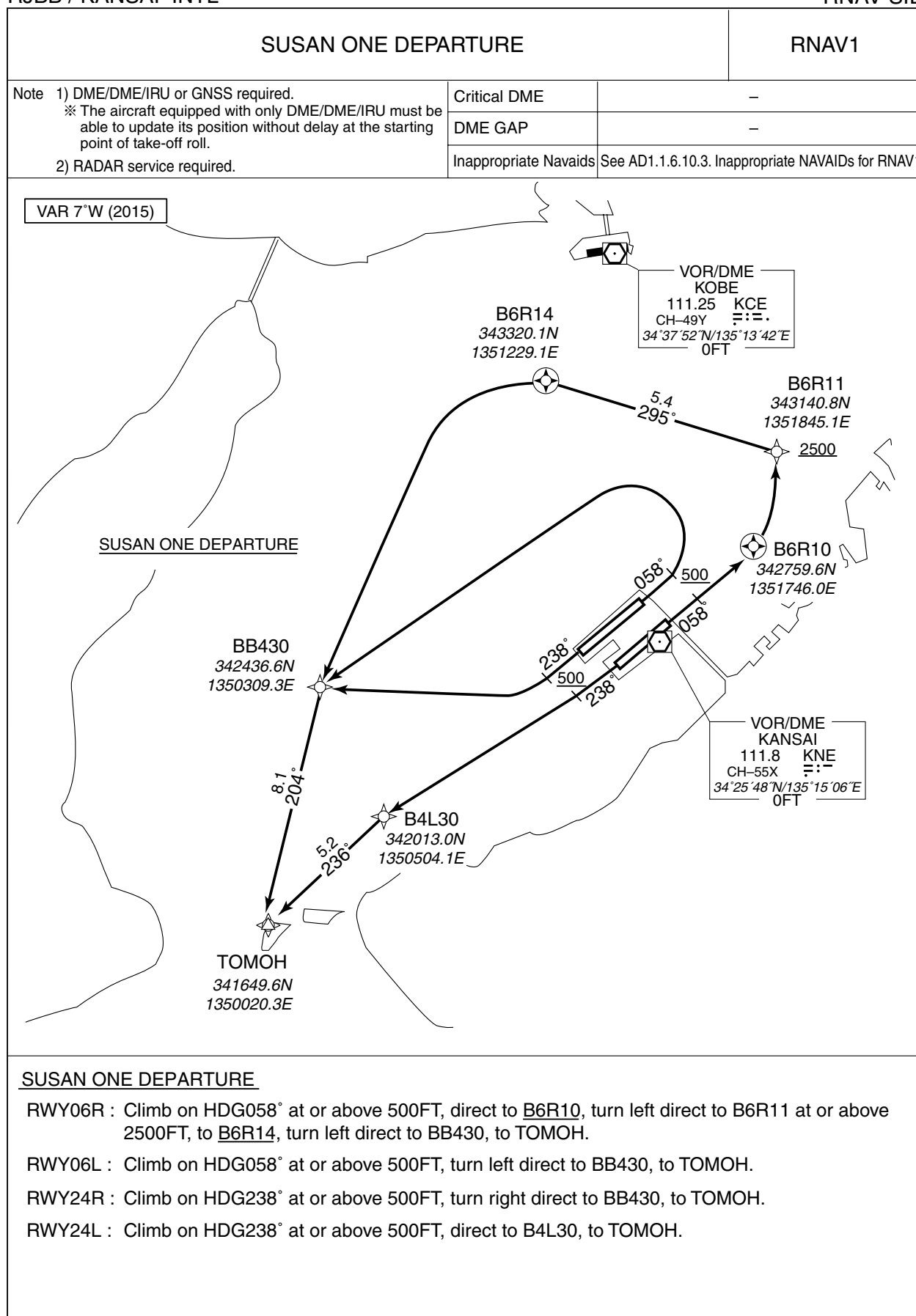
RWY24L

| 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 |

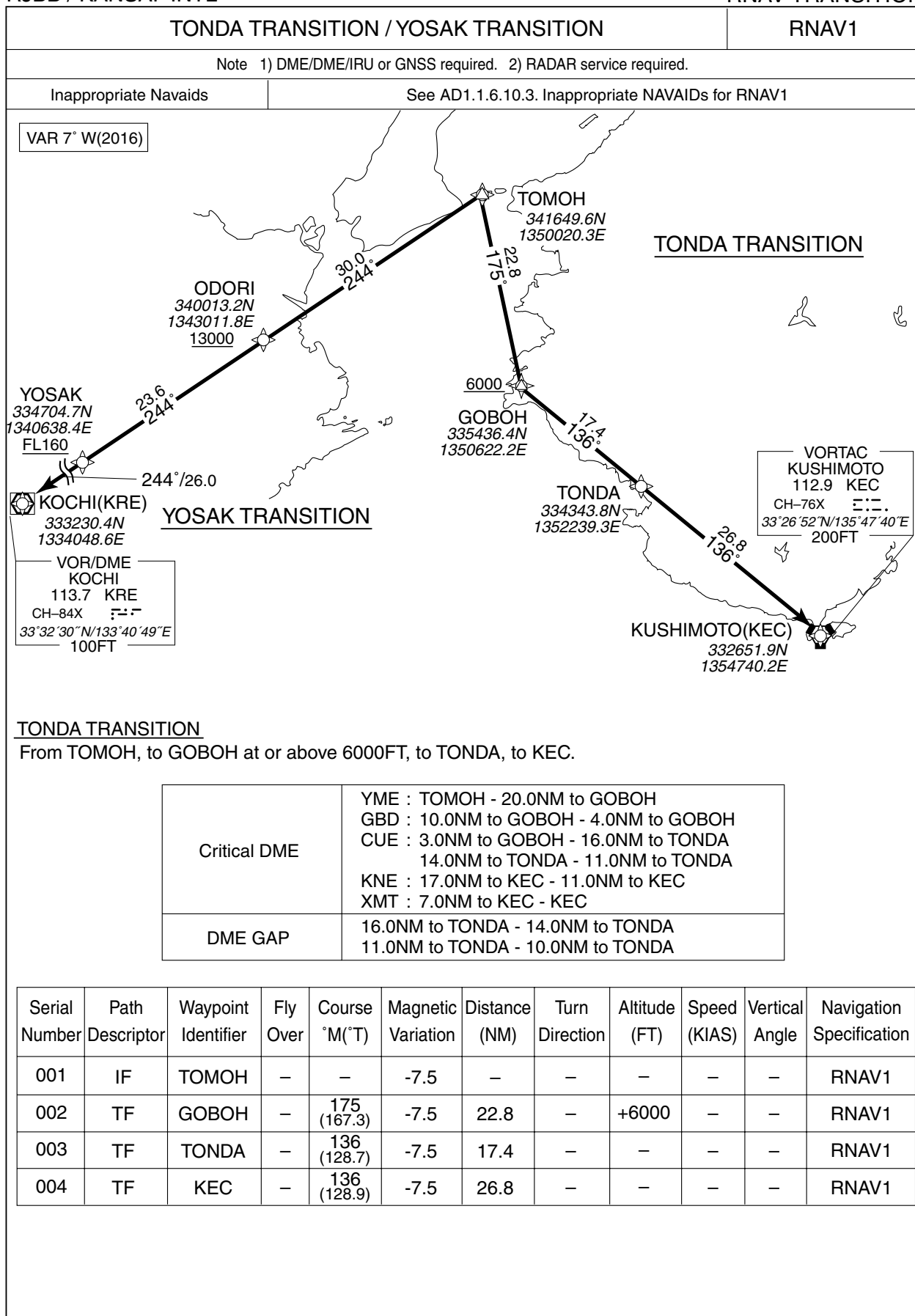
RWY24L

| 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



STANDARD DEPARTURE CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV TRANSITION

YOSAK TRANSITION

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

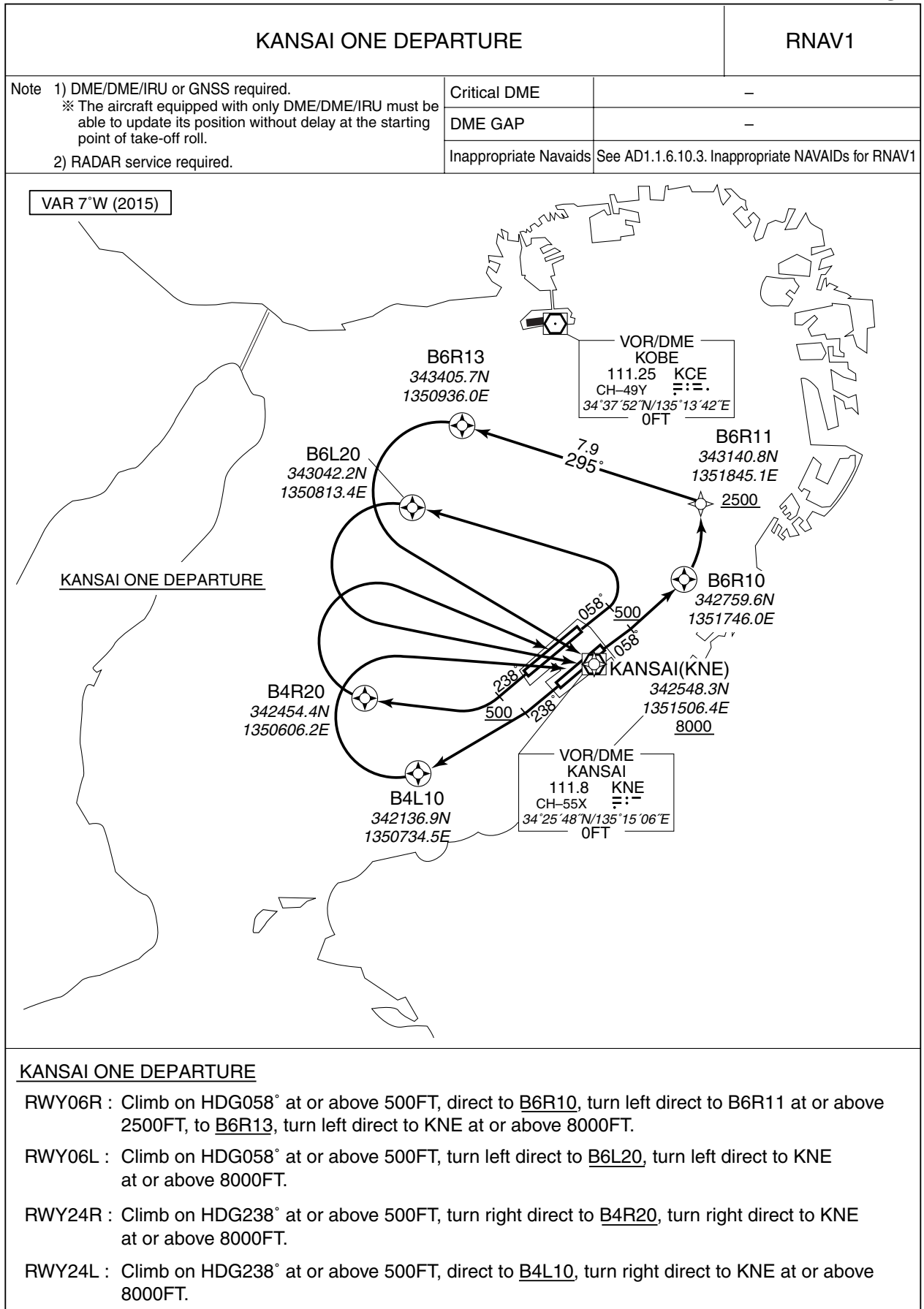
| | |
|--------------|---|
| Critical DME | — |
| DME GAP | — |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | TOMOH | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | ODORI | — | 244 (236.5) | -7.5 | 30.0 | — | +13000 | — | — | RNAV1 |
| 003 | TF | YOSAK | — | 244 (236.2) | -7.5 | 23.6 | — | +FL160 | — | — | RNAV1 |
| 004 | TF | KRE | — | 244 (236.0) | -7.5 | 26.0 | — | — | — | — | RNAV1 |

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

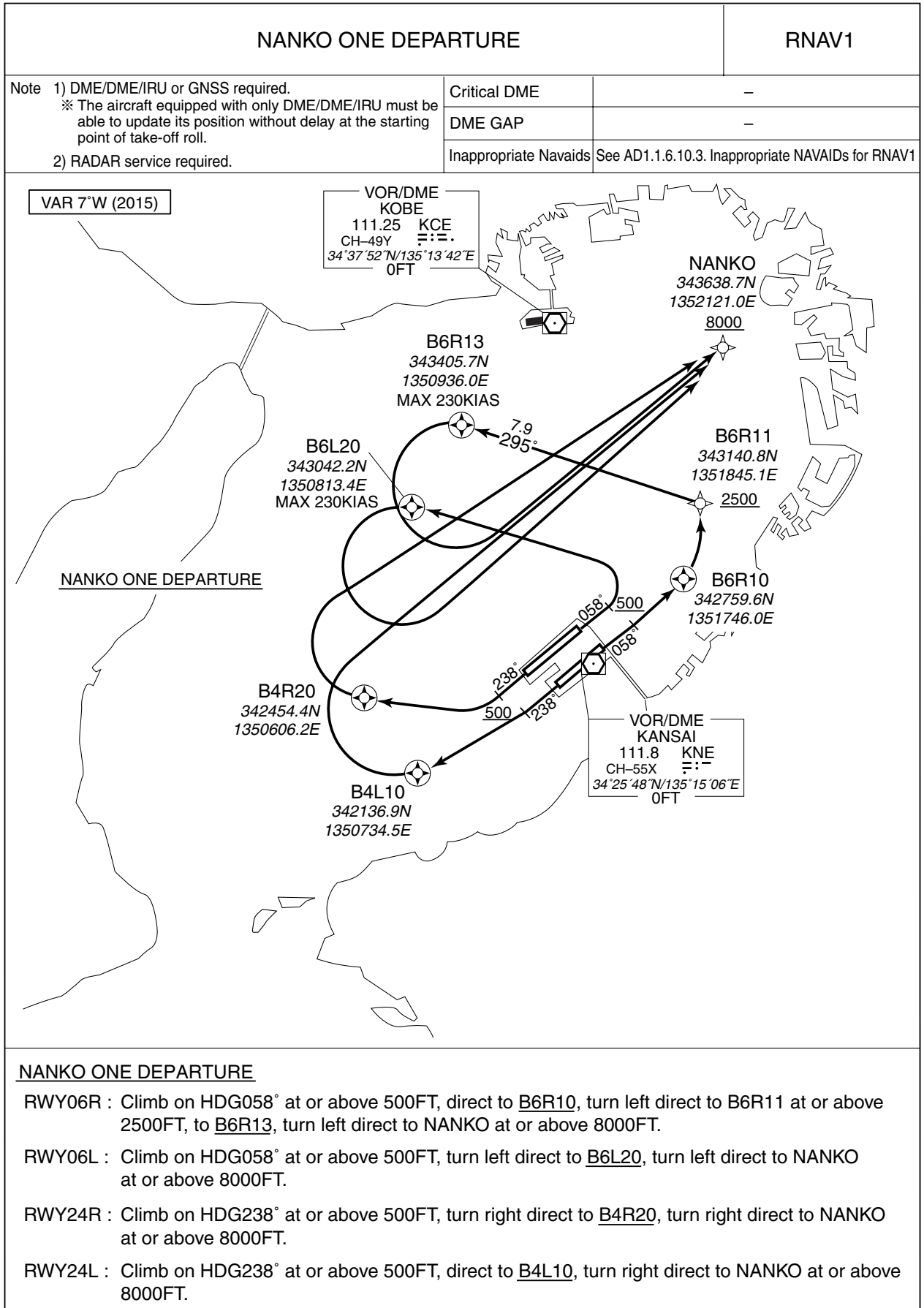
RNAV TRANSITION



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

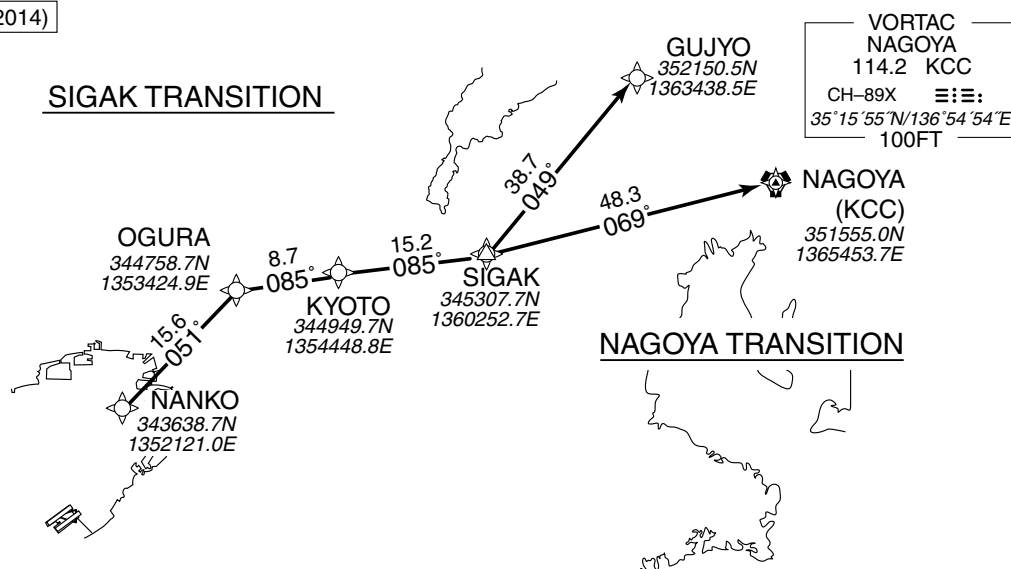
RNAV1

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

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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

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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 |

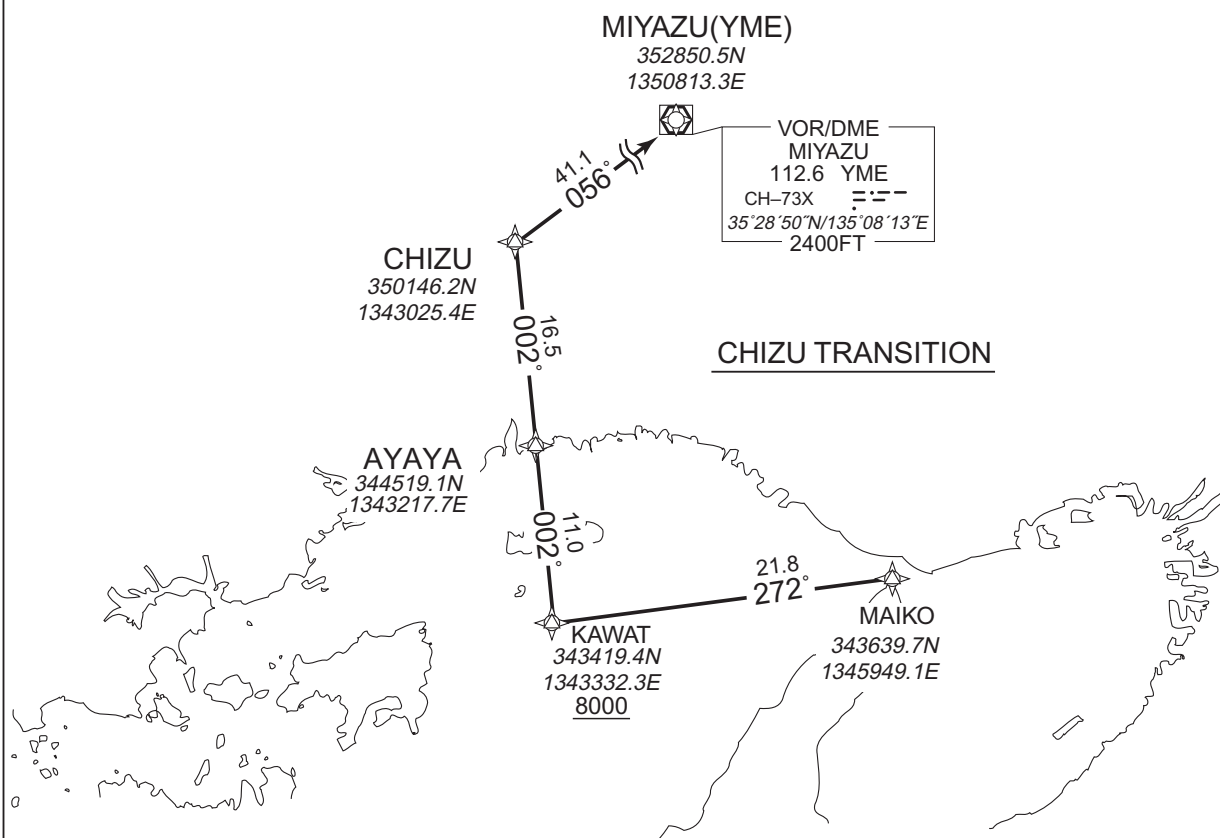
STANDARD DEPARTURE CHART - INSTRUMENT

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

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RNAV SID



STANDARD DEPARTURE CHART - INSTRUMENT

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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

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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

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RNAV TRANSITION



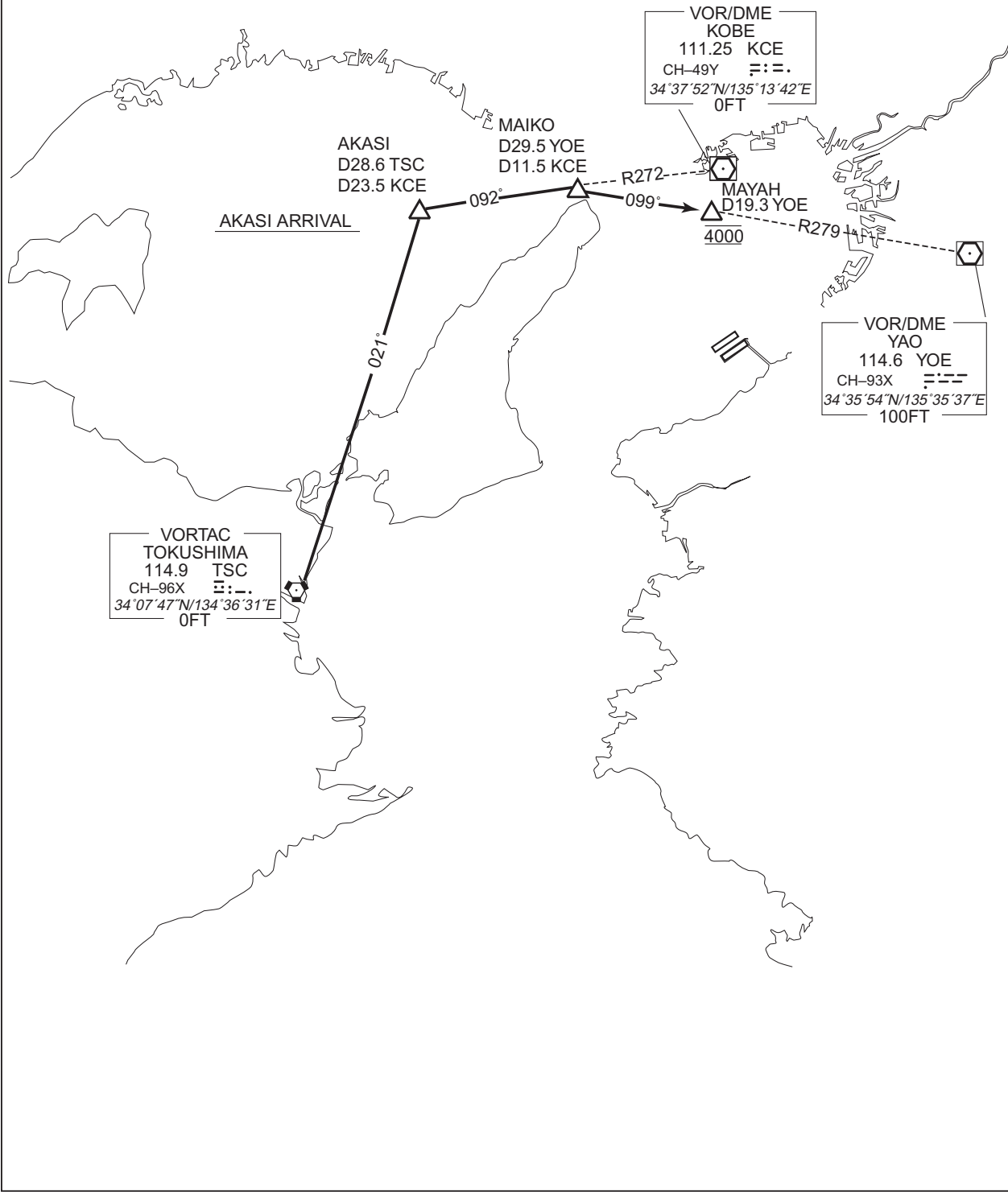
STANDARD ARRIVAL CHART - INSTRUMENT

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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 : Radial FM KCE. KNE deleted.

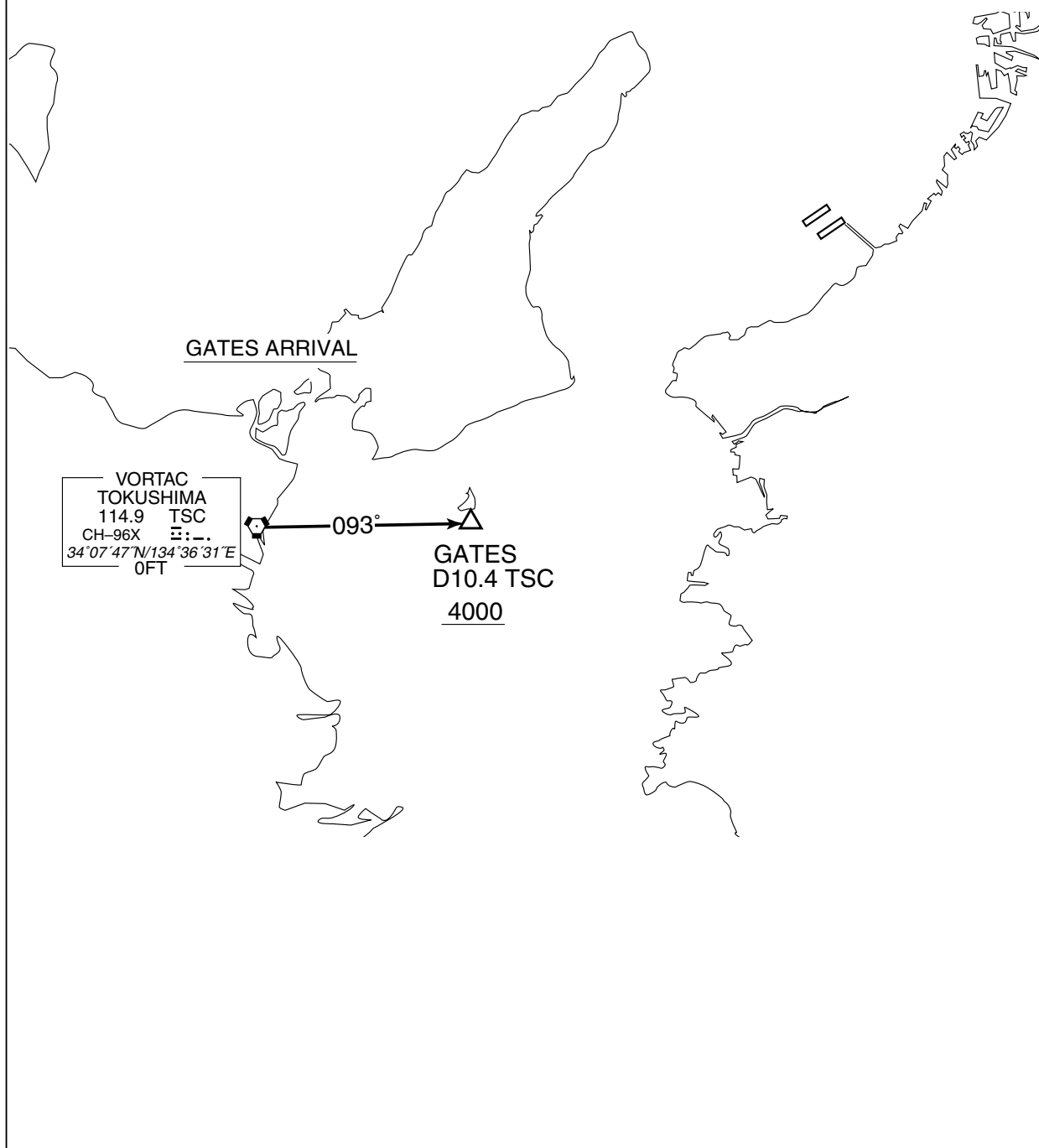
STANDARD ARRIVAL CHART - INSTRUMENT

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STAR

GATES ARRIVAL

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



STANDARD ARRIVAL CHART - INSTRUMENT

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STAR

ATAACK ARC ARRIVAL

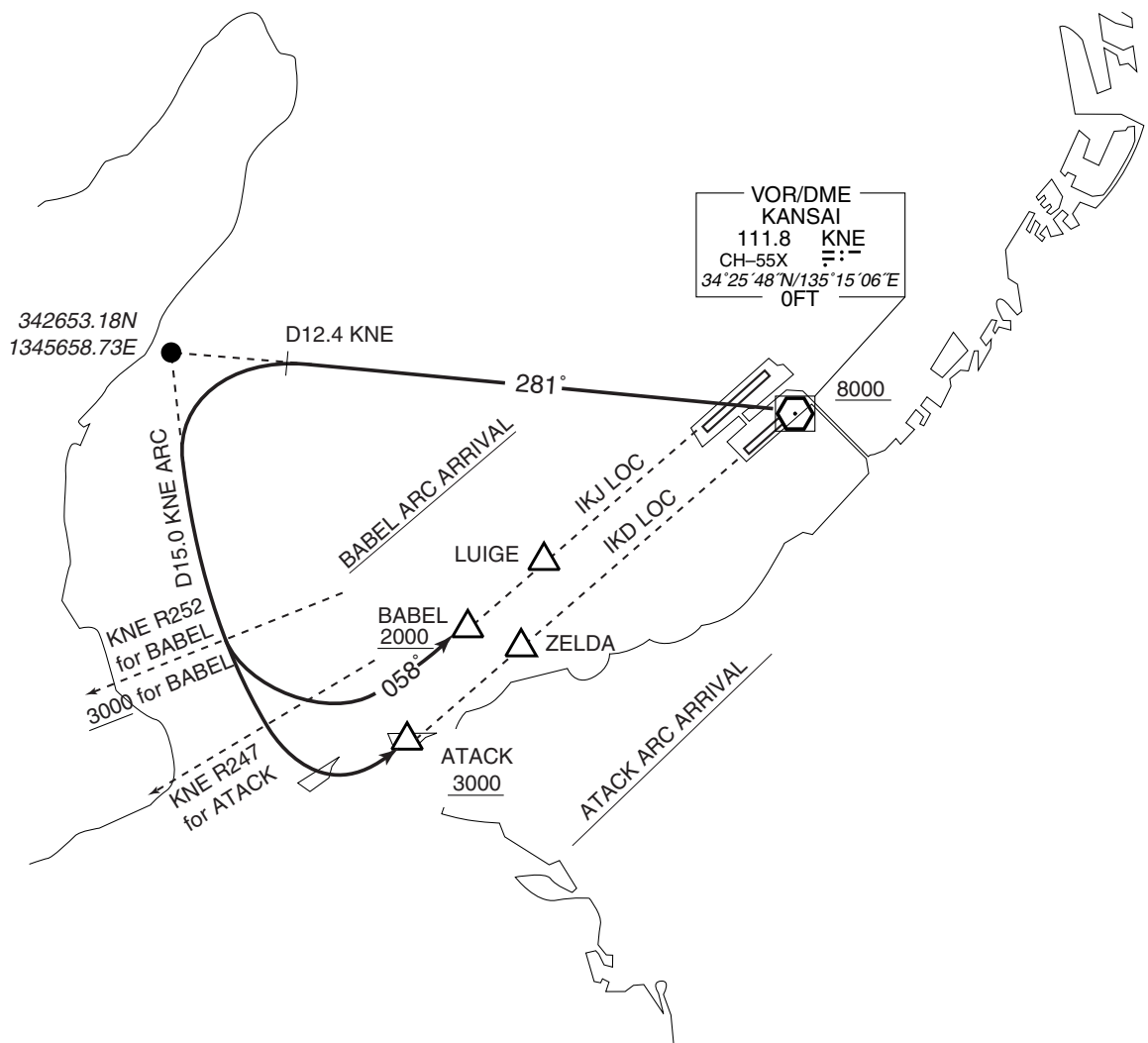
From over KNE VOR/DME, proceed via KNE R281, turn left via KNE 15.0DME counterclockwise ARC, turn left to intercept and proceed via IKD-LOC to ATAACK.

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

BABEL ARC ARRIVAL

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

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



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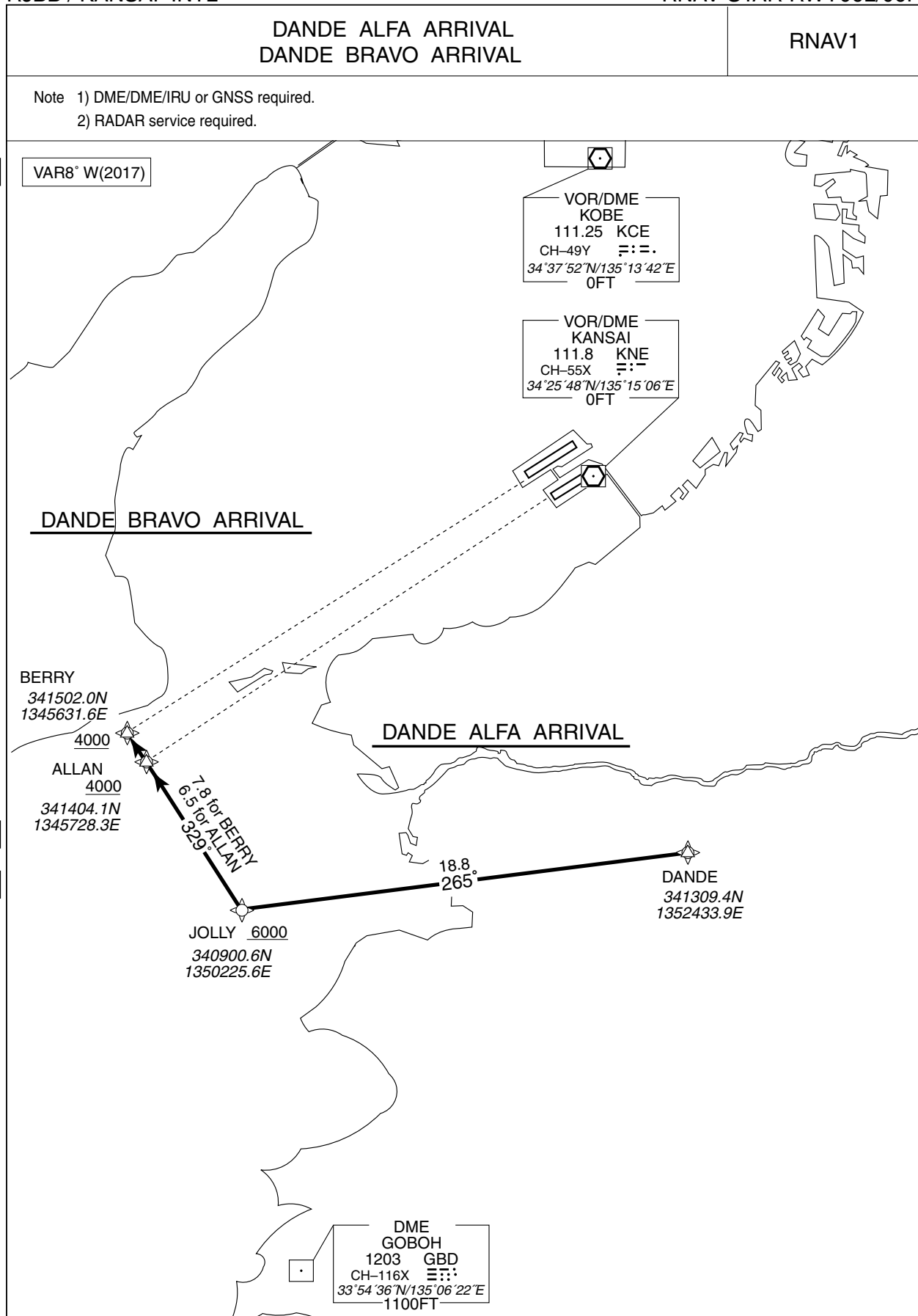
STAR

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

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R



STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

DANDE ALFA ARRIVAL

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

| | |
|------------------------|---|
| Critical DME | OKT : 16.0NM to JOLLY - 14.0NM to JOLLY 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 | — | — | █ -7.6 | — | — | — | — | — | RNAV1 |
| 002 | TF | JOLLY | — | █ 265 (257.3) | █ -7.6 | 18.8 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ALLAN | — | █ 329 (321.0) | █ -7.6 | 6.5 | — | +4000 | — | — | RNAV1 |

DANDE BRAVO ARRIVAL

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

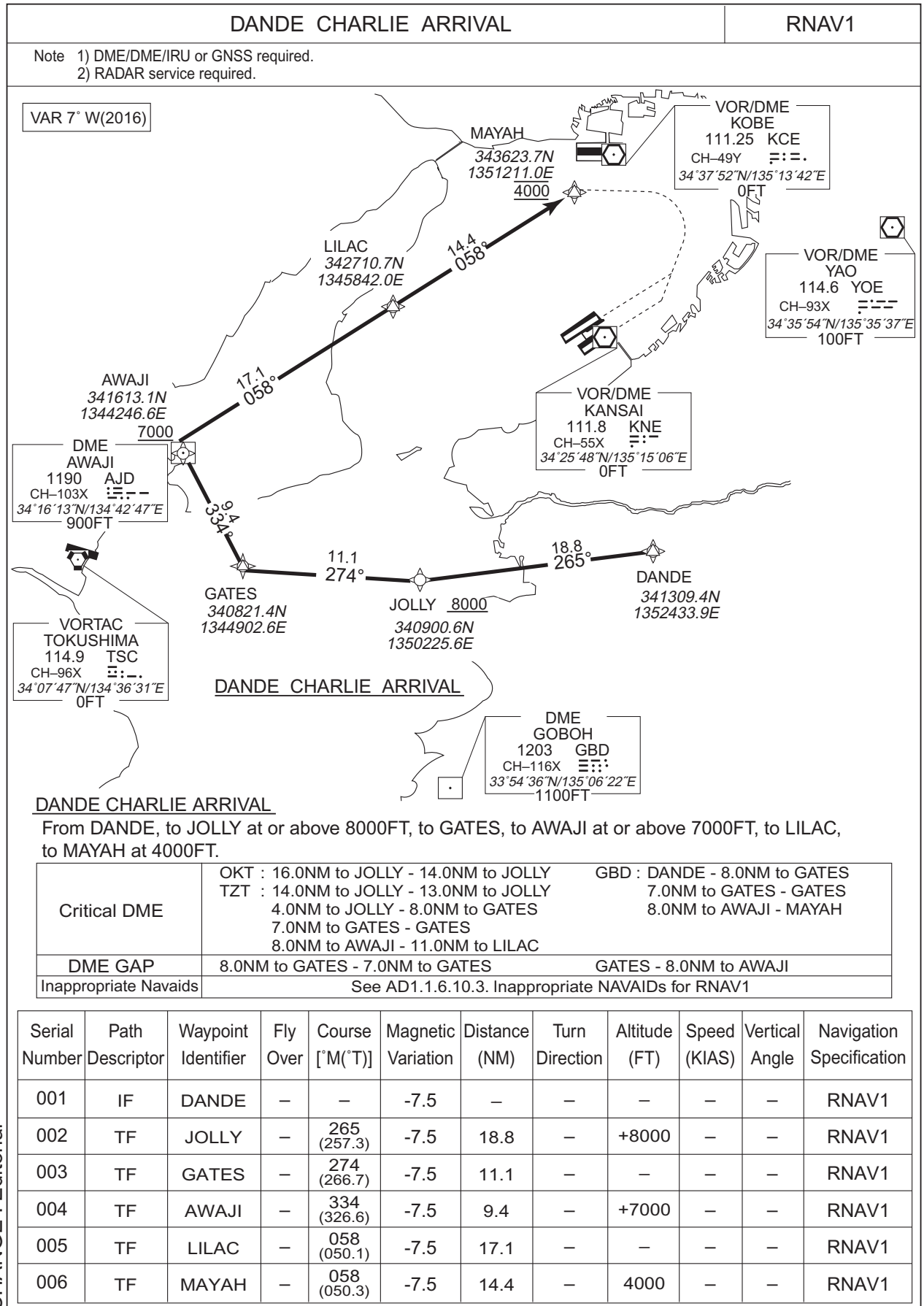
| | |
|------------------------|---|
| Critical DME | OKT : 16.0NM to JOLLY - 14.0NM to JOLLY TZT : 14.0NM to JOLLY - 13.0NM to JOLLY 4.0NM to JOLLY - BERRY GBD : DANDE - BERRY |
| DME GAP | — |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| 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 | — | — | █ -7.6 | — | — | — | — | — | RNAV1 |
| 002 | TF | JOLLY | — | █ 265 (257.3) | █ -7.6 | 18.8 | — | +6000 | — | — | RNAV1 |
| 003 | TF | BERRY | — | █ 329 (321.0) | █ -7.6 | 7.8 | — | +4000 | — | — | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R



CHANGE : Editorial

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R



STANDARD ARRIVAL CHART - INSTRUMENT

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RNAV STAR RWY06L/06R

ALISA BRAVO ARRIVAL

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

| | |
|-----------------------|--|
| Critical DME | AJD : 12.0NM to NALTO - NALTO KNE : 1.7NM to ASAMI - 4.2NM to BERRY |
| DME GAP | — |
| Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | ALISA | — | — | -7.2 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 139 (132.3) | -7.2 | 21.7 | — | +6000 | — | — | RNAV1 |
| 003 | TF | NALTO | — | 126 (118.4) | -7.2 | 14.8 | — | — | — | — | RNAV1 |
| 004 | TF | ASAMI | — | 110 (103.0) | -7.2 | 4.7 | — | — | — | — | RNAV1 |
| 005 | TF | BAGLE | — | 057 (049.9) | -7.2 | 4.5 | — | — | — | — | RNAV1 |
| 006 | TF | BERRY | — | 043 (036.0) | -7.2 | 5.2 | — | +4000 | — | — | RNAV1 |

BECKY ALFA ARRIVAL

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

| | |
|-----------------------|---|
| Critical DME | KNE : ASAMI - 4.0NM to ALLAN |
| DME GAP | — |
| Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | BECKY | — | — | -7.2 | — | — | — | — | — | RNAV1 |
| 002 | TF | EVIAN | — | 057 (049.5) | -7.2 | 7.0 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 057 (049.6) | -7.2 | 12.8 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 057 (049.9) | -7.2 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | ALLAN | — | 057 (049.9) | -7.2 | 5.0 | — | +4000 | — | — | RNAV1 |

BECKY BRAVO ARRIVAL

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

| | |
|-----------------------|---|
| Critical DME | KNE : ASAMI - 4.2NM to BERRY |
| DME GAP | — |
| Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | BECKY | — | — | -7.2 | — | — | — | — | — | RNAV1 |
| 002 | TF | EVIAN | — | 057 (049.5) | -7.2 | 7.0 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 057 (049.6) | -7.2 | 12.8 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 057 (049.9) | -7.2 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | BERRY | — | 043 (036.0) | -7.2 | 5.2 | — | +4000 | — | — | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

CANDY ALFA ARRIVAL

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

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

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | CANDY | — | — | -7.2 | — | — | — | — | — | RNAV1 |
| 002 | TF | DATIS | — | 011 (003.9) | -7.2 | 6.4 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ALLAN | — | 011 (003.9) | -7.2 | 15.2 | — | +4000 | — | — | RNAV1 |

CANDY BRAVO ARRIVAL

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

| | |
|-----------------------|--|
| Critical DME | KNE : 15.1NM to BERRY - 14.1NM to BERRY 8.1NM to BERRY - 6.1NM to BERRY |
| DME GAP | — |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | CANDY | — | — | -7.2 | — | — | — | — | — | RNAV1 |
| 002 | TF | DATIS | — | 011 (003.9) | -7.2 | 6.4 | — | +6000 | — | — | RNAV1 |
| 003 | TF | BERRY | — | 008 (000.9) | -7.2 | 16.2 | — | +4000 | — | — | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

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RNAV STAR RWY24L/24R



STANDARD ARRIVAL CHART - INSTRUMENT

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RNAV STAR RWY24L/24R

BECKY CHARLIE ARRIVAL

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

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

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

CANDY CHARLIE ARRIVAL

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

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

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

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

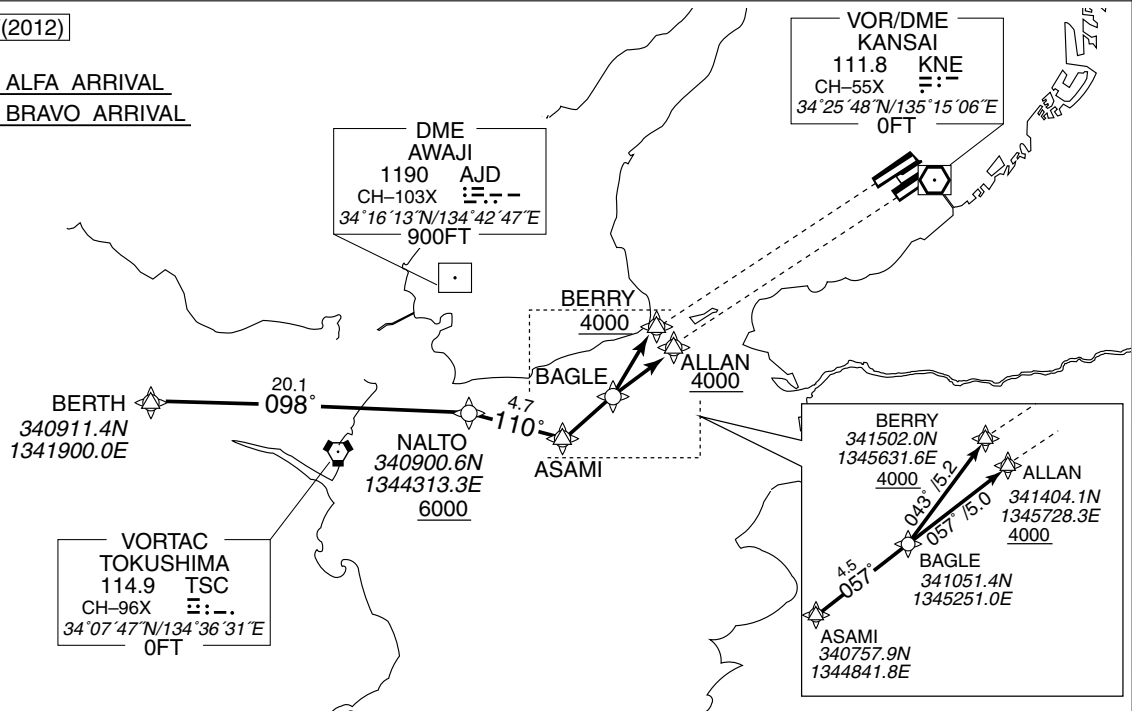
BERTH ALFA / BRAVO ARRIVAL

RNAV1

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

VAR 7° W(2012)

BERTH ALFA ARRIVAL
BERTH BRAVO ARRIVAL

BERTH ALFA ARRIVAL

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

| | |
|------------------------|--|
| Critical DME | AJD : 8.1NM to NALTO - 5.1NM to NALTO KNE : 1.7NM to ASAMI - 4.0NM to ALLAN |
| DME GAP | — |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

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

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

BERTH BRAVO ARRIVAL

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

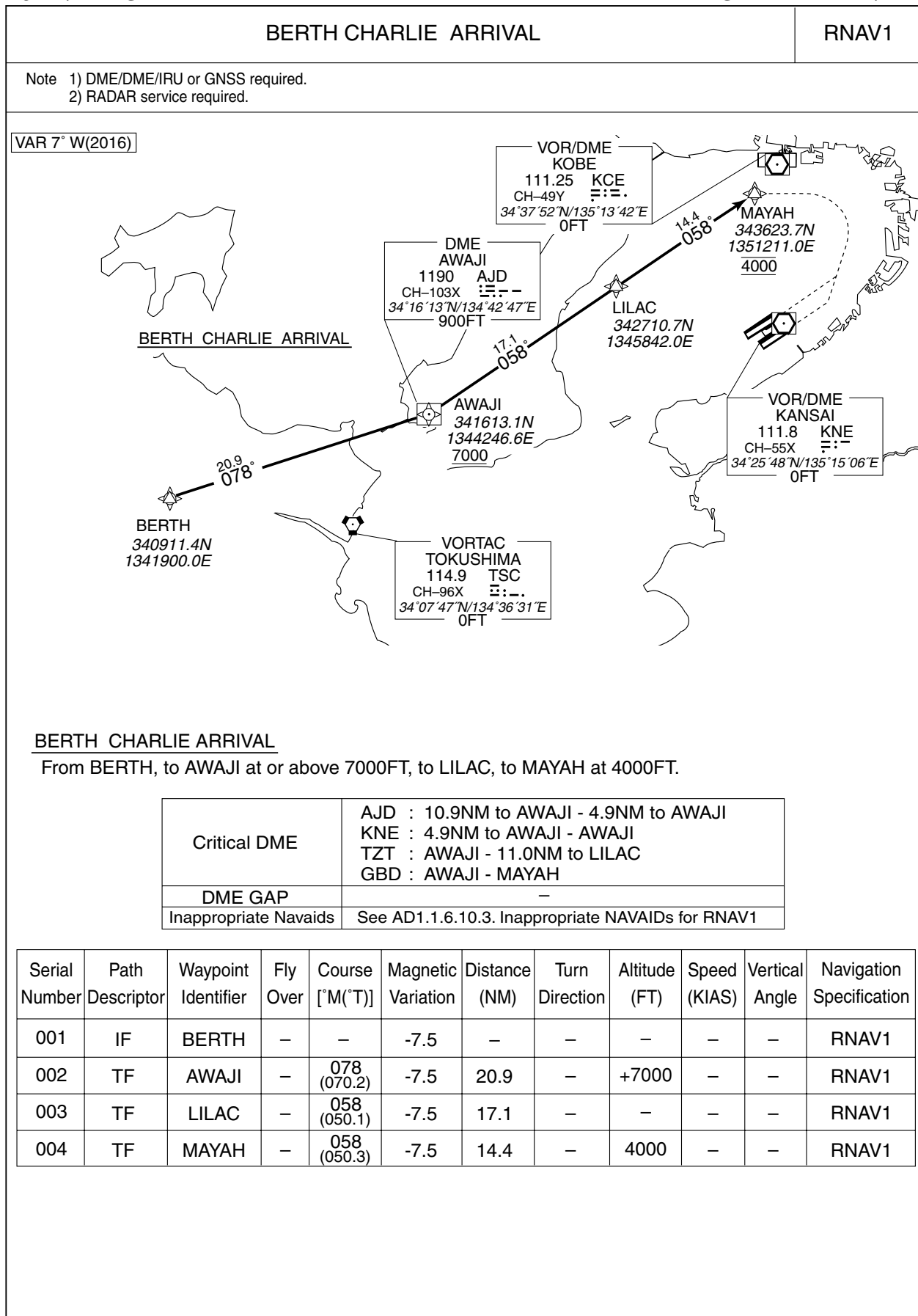
| | |
|------------------------|--|
| Critical DME | AJD : 8.1NM to NALTO - 5.1NM to NALTO KNE : 1.7NM to ASAMI - 4.2NM to BERRY |
| DME GAP | — |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

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

STANDARD ARRIVAL CHART - INSTRUMENT

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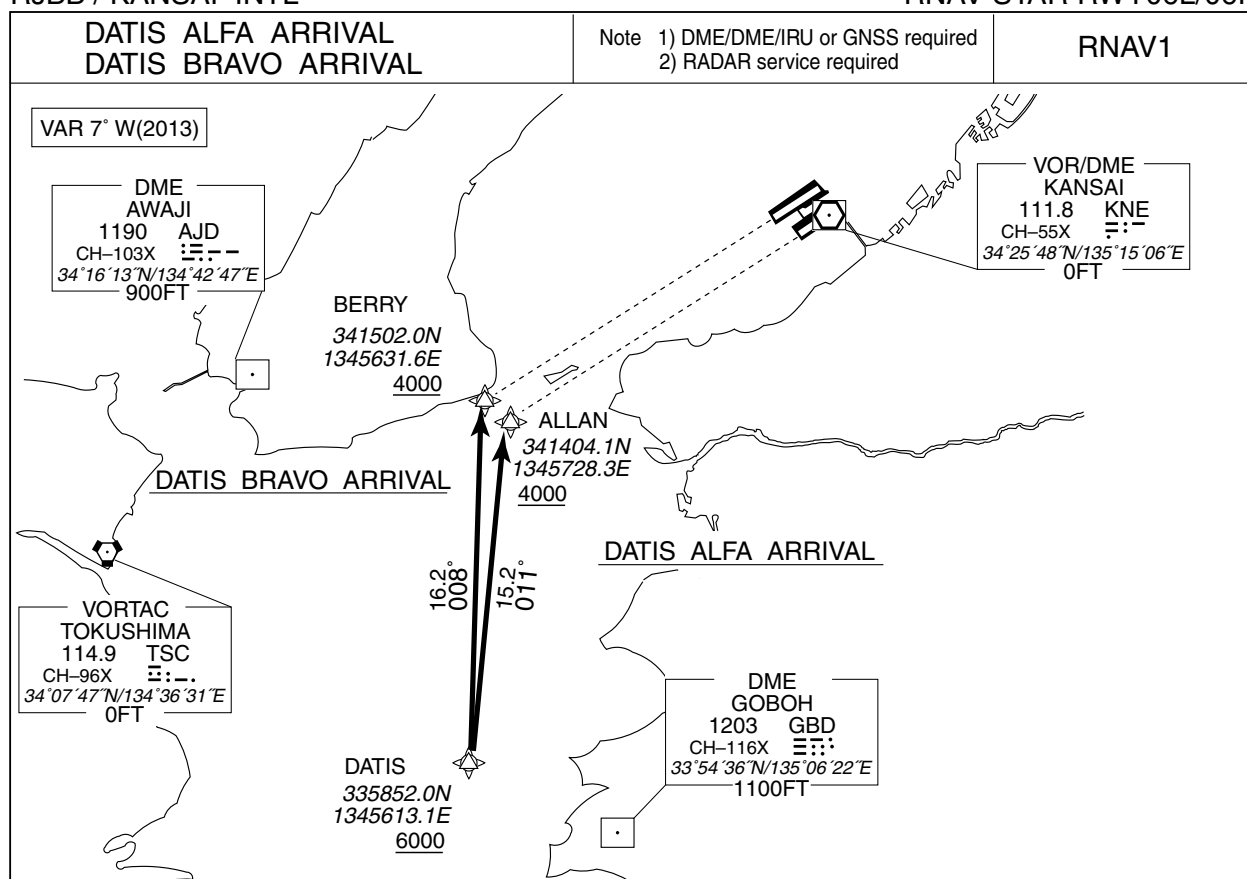
RNAV STAR RWY24L/24R



STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY06L/06R

DATIS ALFA ARRIVAL

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

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

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

DATIS BRAVO ARRIVAL

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

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

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

STANDARD ARRIVAL CHART - INSTRUMENT

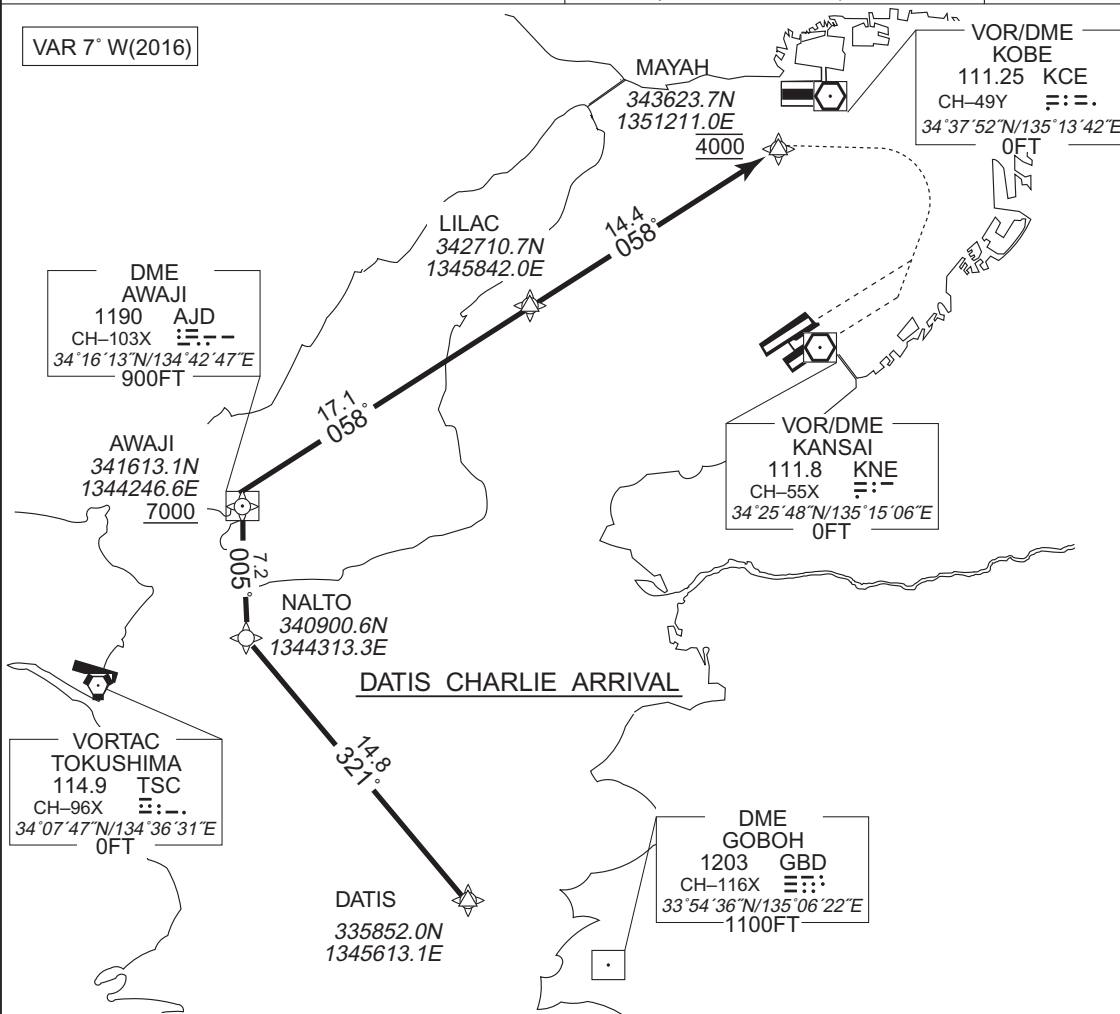
RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

DATIS CHARLIE ARRIVAL

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

RNAV1



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 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 | DATIS | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 321 (313.4) | -7.5 | 14.8 | — | — | — | — | RNAV1 |
| 003 | TF | AWAJI | — | 005 (357.1) | -7.5 | 7.2 | — | +7000 | — | — | RNAV1 |
| 004 | TF | LILAC | — | 058 (050.1) | -7.5 | 17.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 058 (050.3) | -7.5 | 14.4 | — | 4000 | — | — | RNAV1 |

CHANGE : Editorial

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

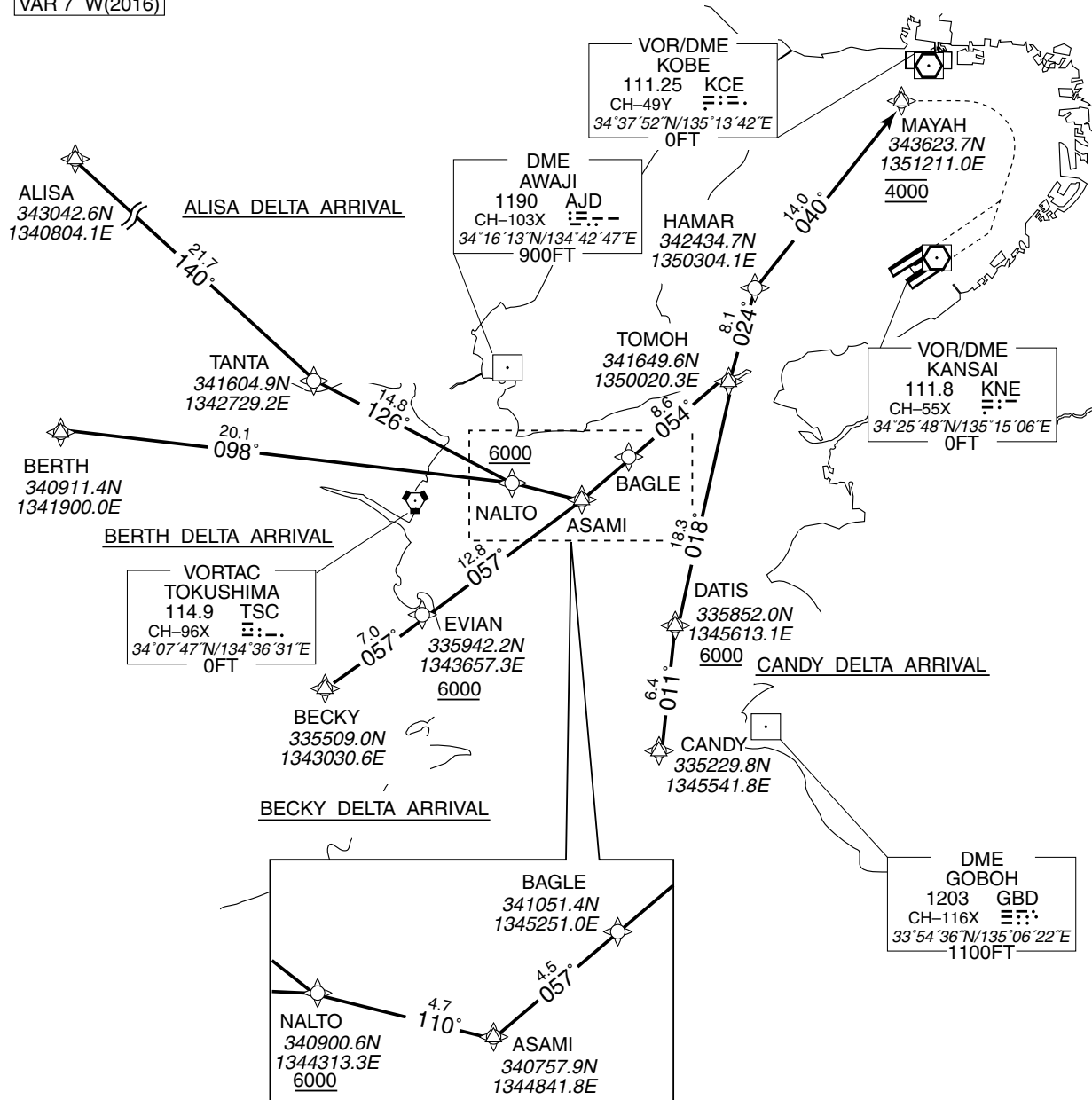
RNAV STAR RWY24L/24R

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

RNAV1

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

VAR 7° W(2016)



STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

ALISA DELTA ARRIVAL

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

| | |
|------------------------|---|
| Critical DME | AJD : 2.0NM to MAYAH - MAYAH 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 | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 140 (132.3) | -7.5 | 21.7 | — | — | — | — | RNAV1 |
| 003 | TF | NALTO | — | 126 (118.4) | -7.5 | 14.8 | — | +6000 | — | — | RNAV1 |
| 004 | TF | ASAMI | — | 110 (103.0) | -7.5 | 4.7 | — | — | — | — | RNAV1 |
| 005 | TF | BAGLE | — | 057 (049.9) | -7.5 | 4.5 | — | — | — | — | RNAV1 |
| 006 | TF | TOMOH | — | 054 (046.0) | -7.5 | 8.6 | — | — | — | — | RNAV1 |
| 007 | TF | HAMAR | — | 024 (016.2) | -7.5 | 8.1 | — | — | — | — | RNAV1 |
| 008 | TF | MAYAH | — | 040 (032.4) | -7.5 | 14.0 | — | 4000 | — | — | RNAV1 |

BECKY DELTA ARRIVAL

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

| | |
|------------------------|--|
| Critical DME | KNE : ASAMI - BAGLE 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 | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | EVIAN | — | 057 (049.5) | -7.5 | 7.0 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 057 (049.6) | -7.5 | 12.8 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 057 (049.9) | -7.5 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | TOMOH | — | 054 (046.0) | -7.5 | 8.6 | — | — | — | — | RNAV1 |
| 006 | TF | HAMAR | — | 024 (016.2) | -7.5 | 8.1 | — | — | — | — | RNAV1 |
| 007 | TF | MAYAH | — | 040 (032.4) | -7.5 | 14.0 | — | 4000 | — | — | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

BERTH DELTA ARRIVAL

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

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

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | BERTH | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | NALTO | — | 098 (090.4) | -7.5 | 20.1 | — | +6000 | — | — | RNAV1 |
| 003 | TF | ASAMI | — | 110 (103.0) | -7.5 | 4.7 | — | — | — | — | RNAV1 |
| 004 | TF | BAGLE | — | 057 (049.9) | -7.5 | 4.5 | — | — | — | — | RNAV1 |
| 005 | TF | TOMOH | — | 054 (046.0) | -7.5 | 8.6 | — | — | — | — | RNAV1 |
| 006 | TF | HAMAR | — | 024 (016.2) | -7.5 | 8.1 | — | — | — | — | RNAV1 |
| 007 | TF | MAYAH | — | 040 (032.4) | -7.5 | 14.0 | — | 4000 | — | — | RNAV1 |

CANDY DELTA ARRIVAL

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

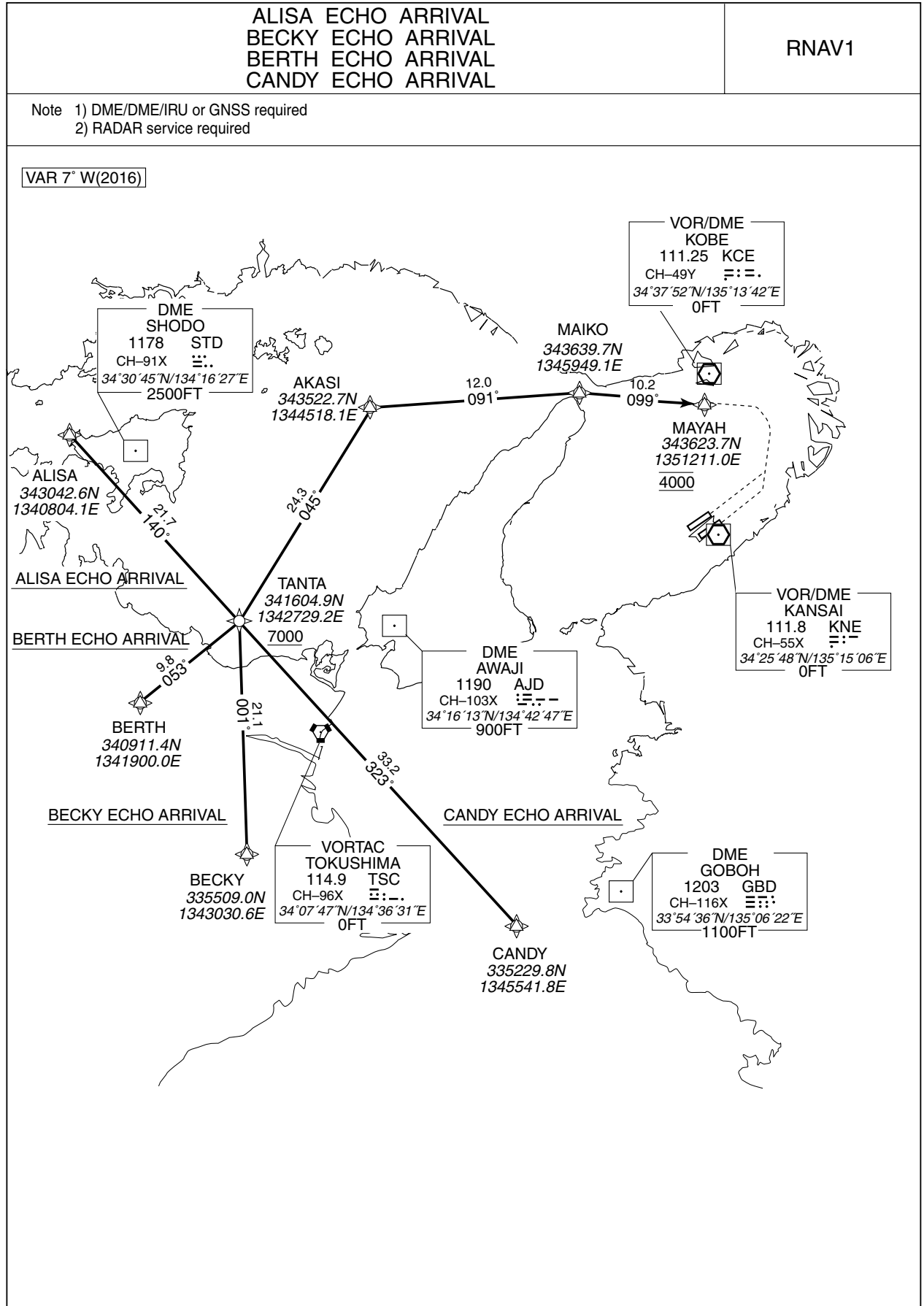
| | |
|-----------------------|---|
| Critical DME | GBD : 7.1NM to HAMAR - 5.1NM to HAMAR AJD : 2.0NM to MAYAH - MAYAH |
| DME GAP | — |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | CANDY | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | DATIS | — | 011 (003.9) | -7.5 | 6.4 | — | +6000 | — | — | RNAV1 |
| 003 | TF | TOMOH | — | 018 (010.7) | -7.5 | 18.3 | — | — | — | — | RNAV1 |
| 004 | TF | HAMAR | — | 024 (016.2) | -7.5 | 8.1 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 040 (032.4) | -7.5 | 14.0 | — | 4000 | — | — | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R



STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

ALISA ECHO ARRIVAL

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

| | |
|------------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI 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 | ALISA | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 140 (132.3) | -7.5 | 21.7 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -7.5 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 091 (083.8) | -7.5 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -7.5 | 10.2 | — | 4000 | — | — | RNAV1 |

BECKY ECHO ARRIVAL

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

| | |
|------------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI 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 | BECKY | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 001 (353.2) | -7.5 | 21.1 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -7.5 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 091 (083.8) | -7.5 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -7.5 | 10.2 | — | 4000 | — | — | RNAV1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJBB / KANSAI INTL

RNAV STAR RWY24L/24R

BERTH ECHO ARRIVAL

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

| | |
|------------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI 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 | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 053 (045.5) | -7.5 | 9.8 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -7.5 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 091 (083.8) | -7.5 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -7.5 | 10.2 | — | 4000 | — | — | RNAV1 |

CANDY ECHO ARRIVAL

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

| | |
|------------------------|---|
| Critical DME | KTE : TANTA - 18.3NM to AKASI 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 | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | TANTA | — | 323 (315.4) | -7.5 | 33.2 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AKASI | — | 045 (037.2) | -7.5 | 24.3 | — | — | — | — | RNAV1 |
| 004 | TF | MAIKO | — | 091 (083.8) | -7.5 | 12.0 | — | — | — | — | RNAV1 |
| 005 | TF | MAYAH | — | 099 (091.4) | -7.5 | 10.2 | — | 4000 | — | — | RNAV1 |

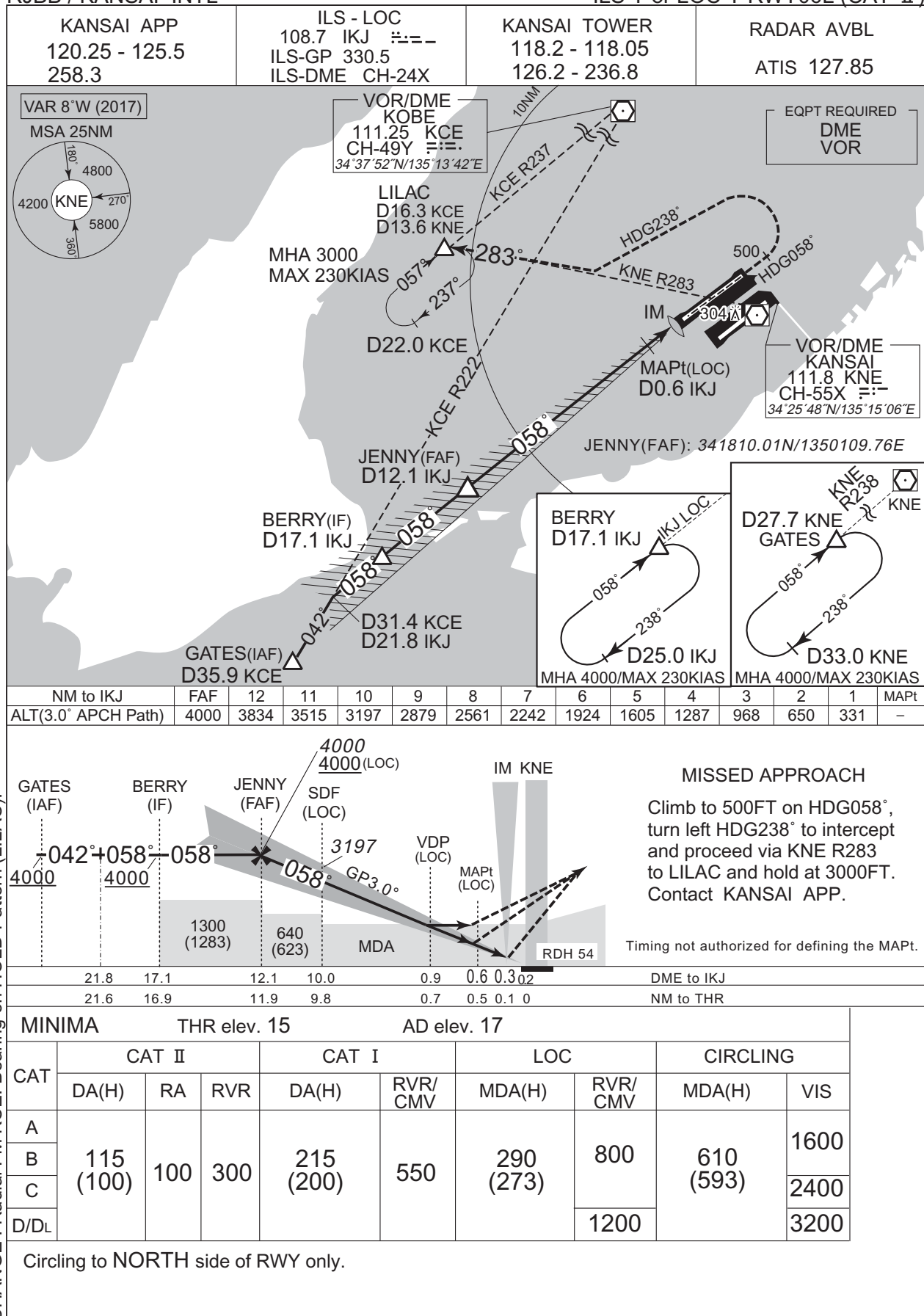
INSTRUMENT APPROACH CHART



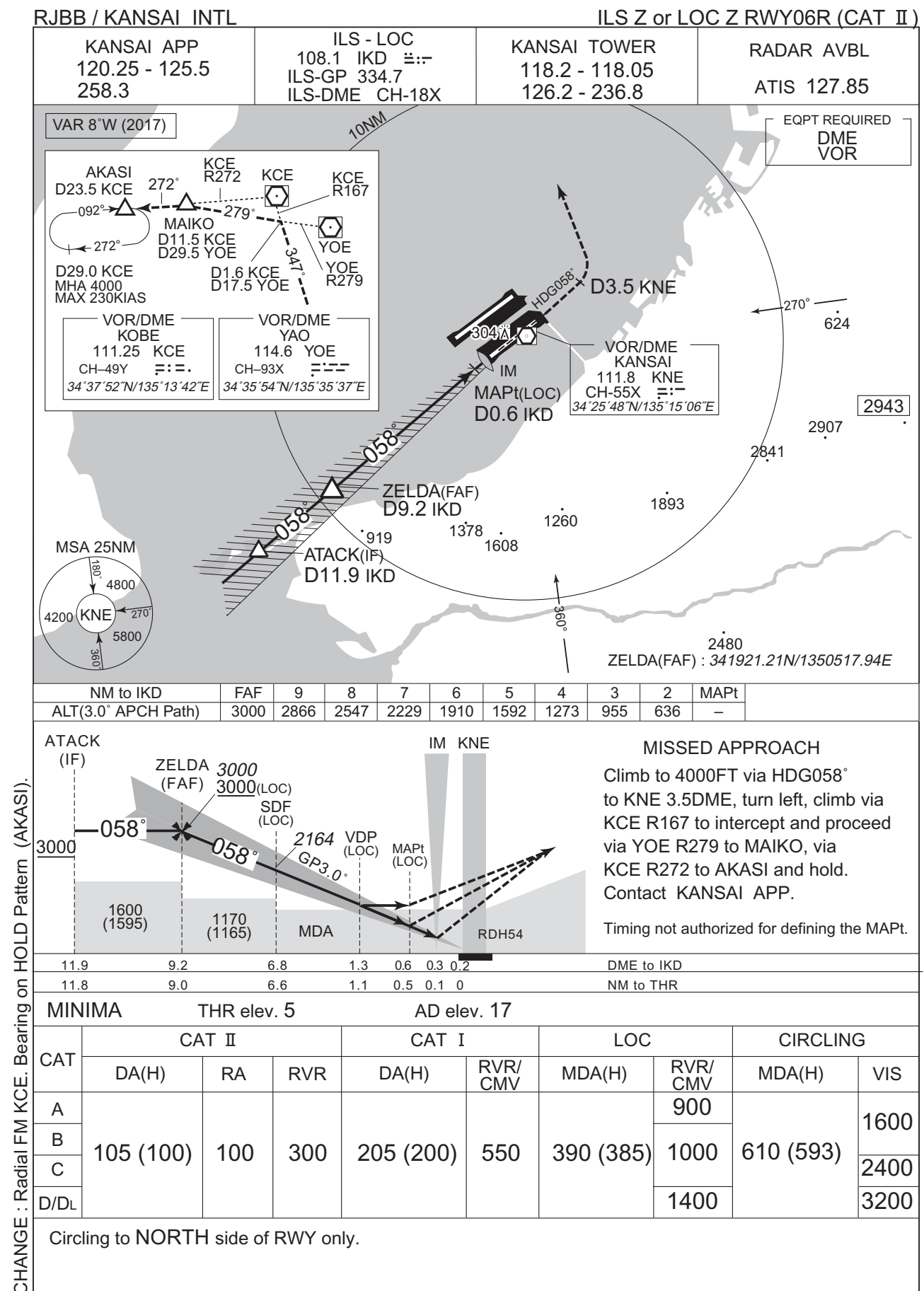
INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

ILS Y or LOC Y RWY06L (CAT II)



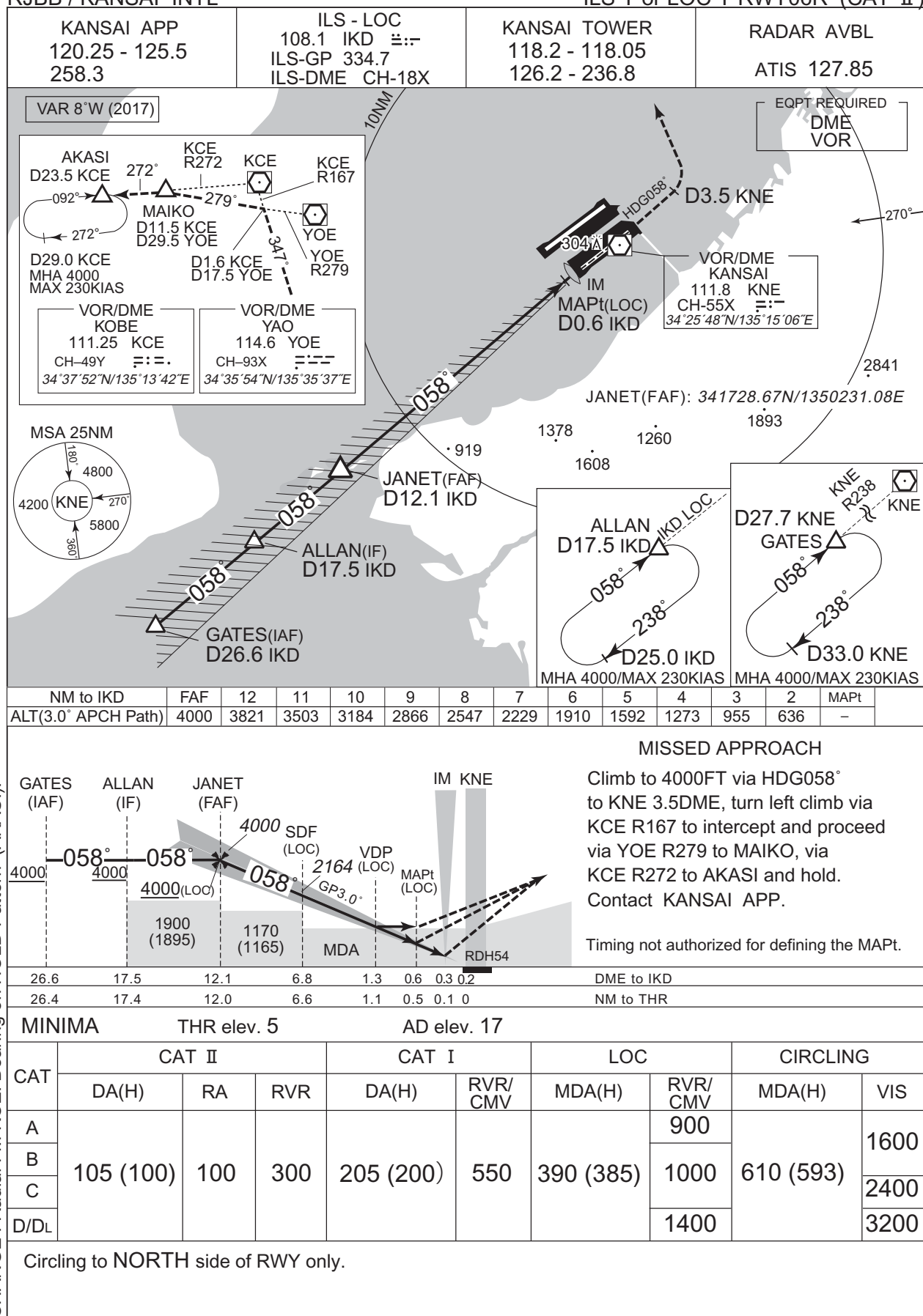
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

ILS Y or LOC Y RWY06R (CAT II)



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

RJBB / KANSAI INTL

ILS Z or LOC Z RWY24L (CAT II)

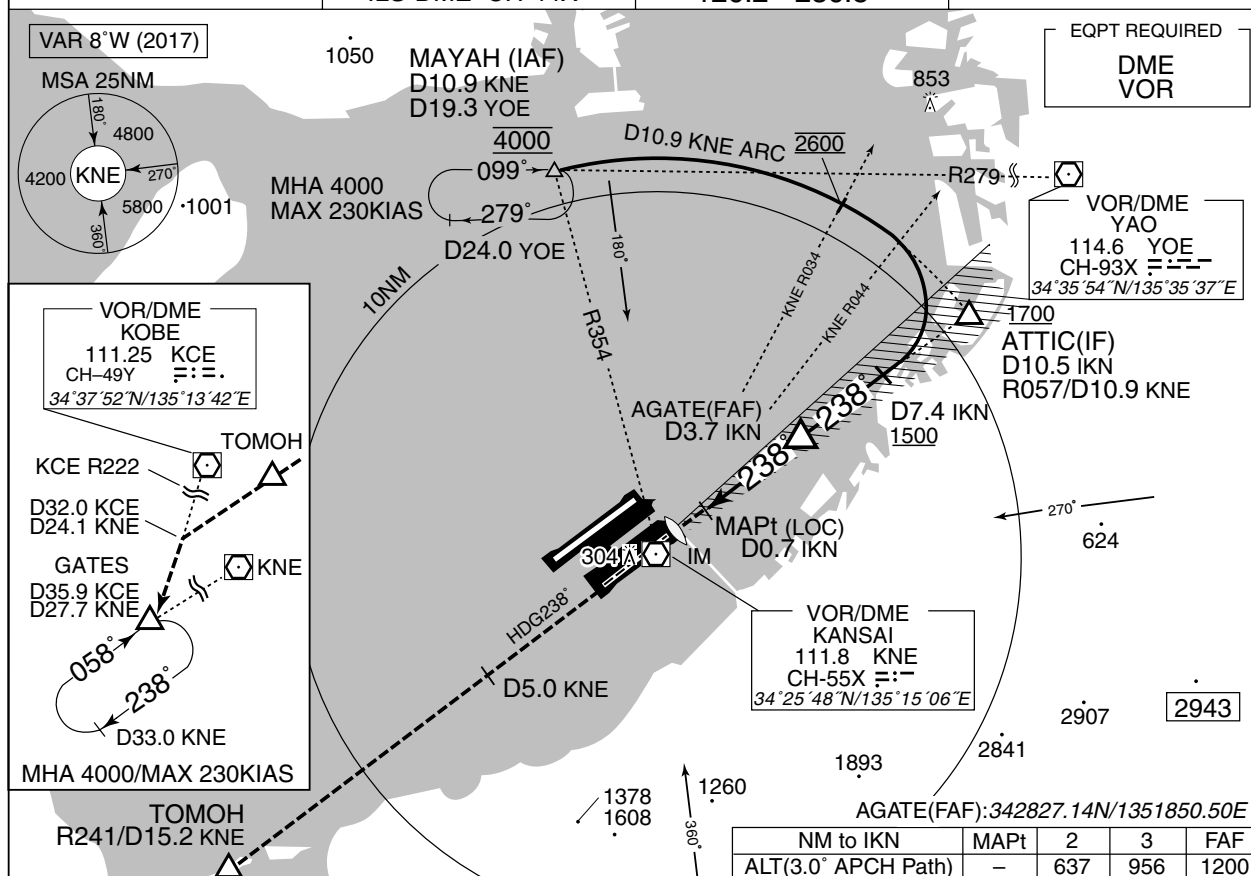


INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

ILS Y or LOC Y RWY24L (CAT II)

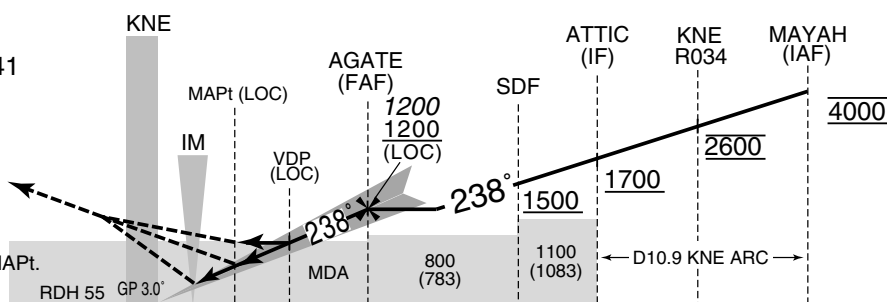
| | | | |
|---------------------------------------|--|---|-------------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | ILS - LOC 110.7 IKN ≡:- ILS-GP 330.2 ILS-DME CH-44X | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|--|---|-------------------------------|



MISSED APPROACH

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

Timing not authorized for defining the MAPt.



DME to IKN 0.2 0.3 0.7 1.3 3.7 7.4 10.5

NM to THR 0 0.1 0.5 1.1 3.5 7.2 10.3

MINIMA

THR elev. 13

AD elev. 17

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

Circling to NORTH side of RWY only.

RJBB / KANSAI INTLILS Z or LOC Z RWY24R (CAT II)

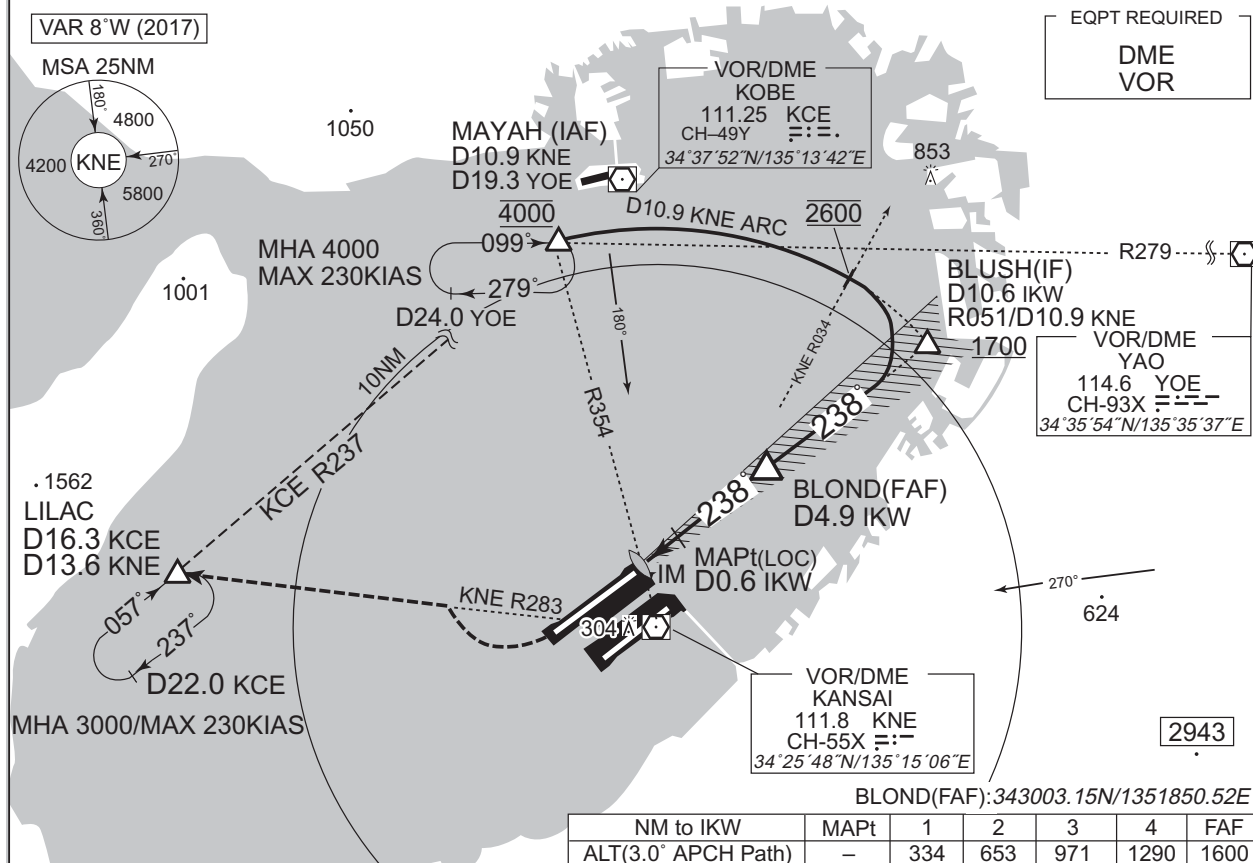
Circling to **NORTH** side of RWY only.

26/3/20

RJBB / KANSAI INTL

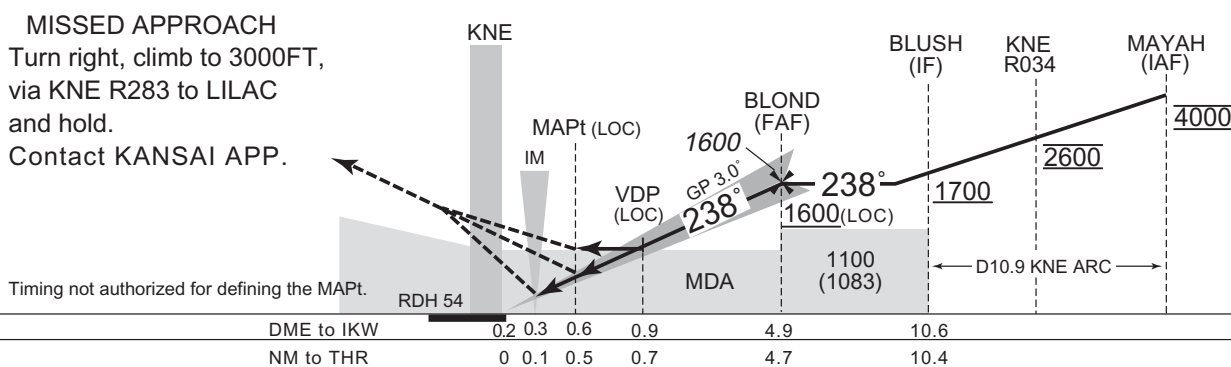
ILS Y or LOC Y RWY24R (CAT II)

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



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

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



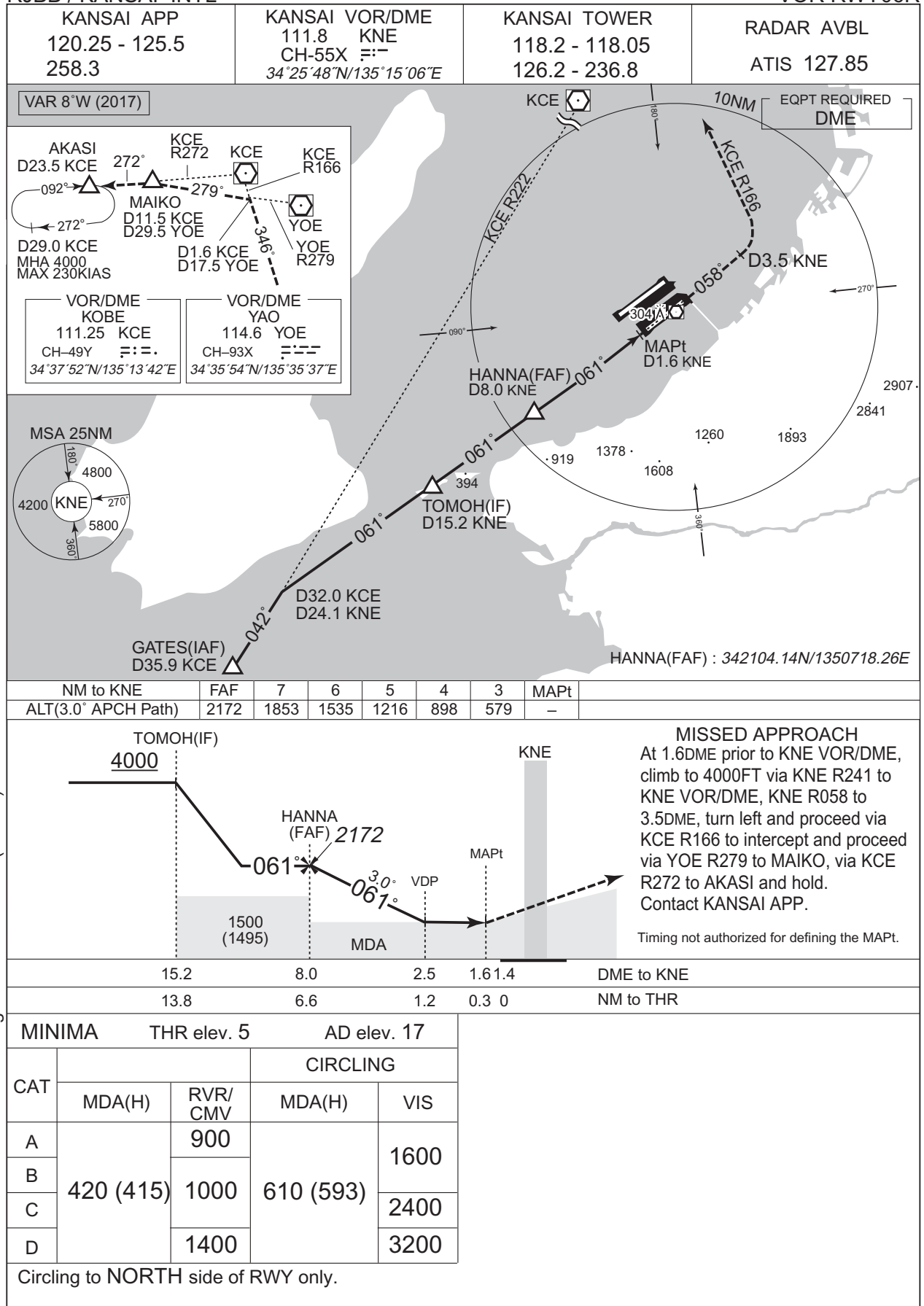
| MINIMA | | | THR elev. 23 | | AD elev. 17 | | | | |
|--------|--------------|-----|--------------|--------------|-------------|--------------|-------------|--------------|------|
| CAT | CAT II | | | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RA | RVR | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H)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

Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

VOR RWY06R



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

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

VOR RWY24L

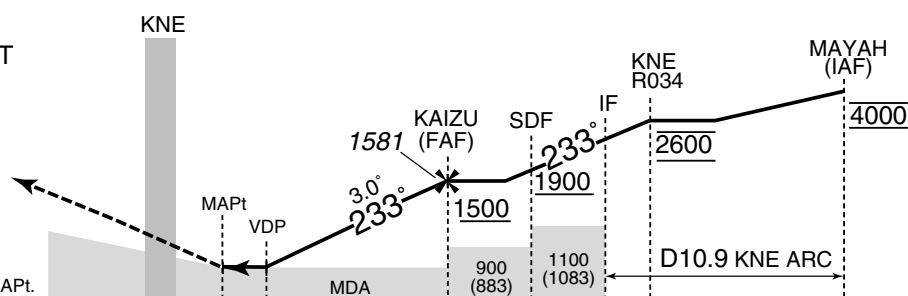
| | | | |
|---------------------------------------|---|---|---------------------------|
| KANSAI APP 120.25 - 125.5 258.3 | KANSAI VOR/DME 111.8 KNE CH-55X 34°25'48"N/135°15'06"E | KANSAI TOWER 118.2 - 118.05 126.2 - 236.8 | RADAR AVBL ATIS 127.85 |
|---------------------------------------|---|---|---------------------------|



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 |

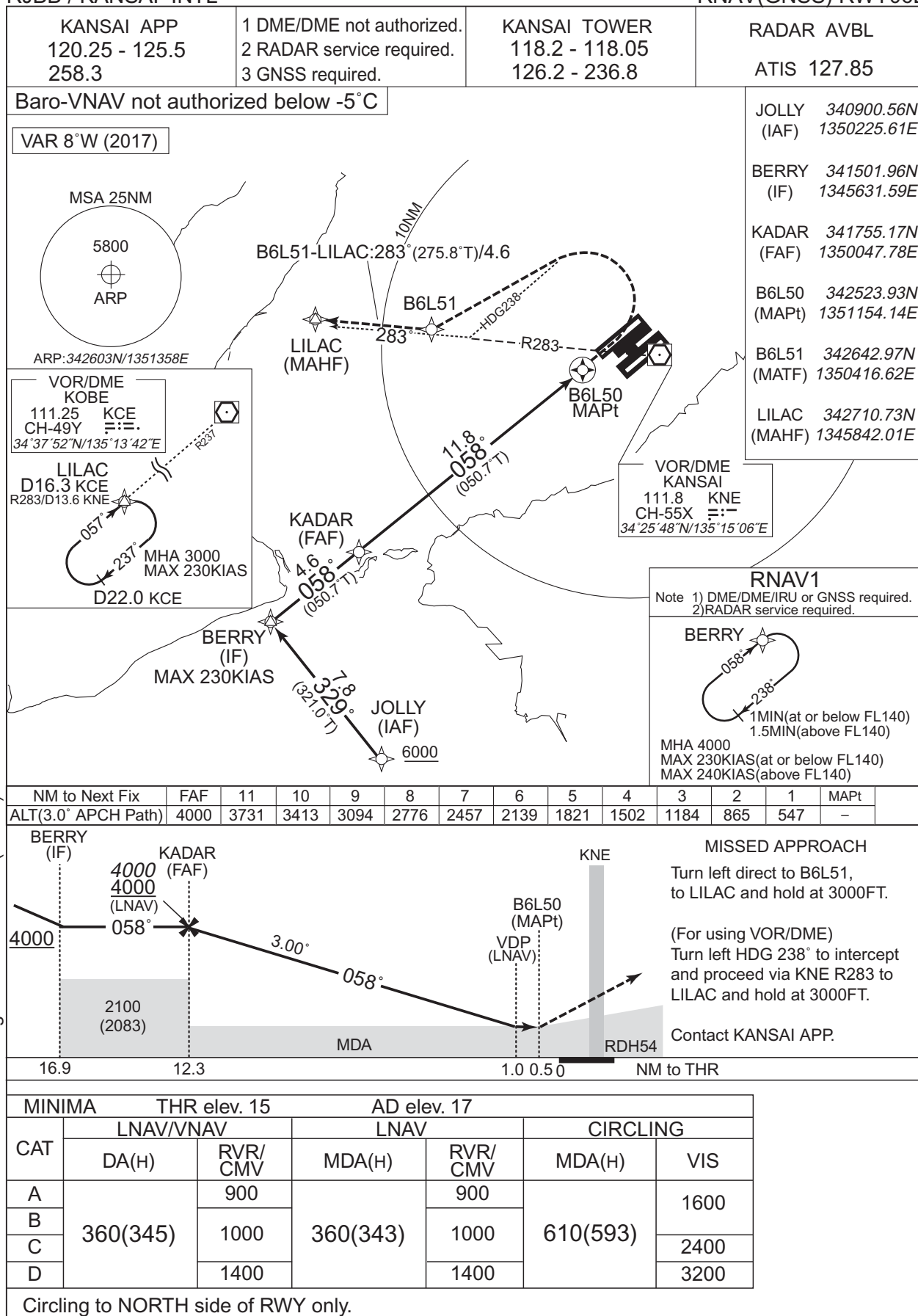
| MINIMA | | THR elev. 13 | AD elev. 17 | |
|--------|-----------|--------------|-------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 450 (433) | 900 | 610 (593) | 1600 |
| B | | 1000 | | |
| C | | | | 2400 |
| D | | 1400 | | 3200 |

Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJBB / KANSAI INTL

RNAV(GNSS) RWY06L



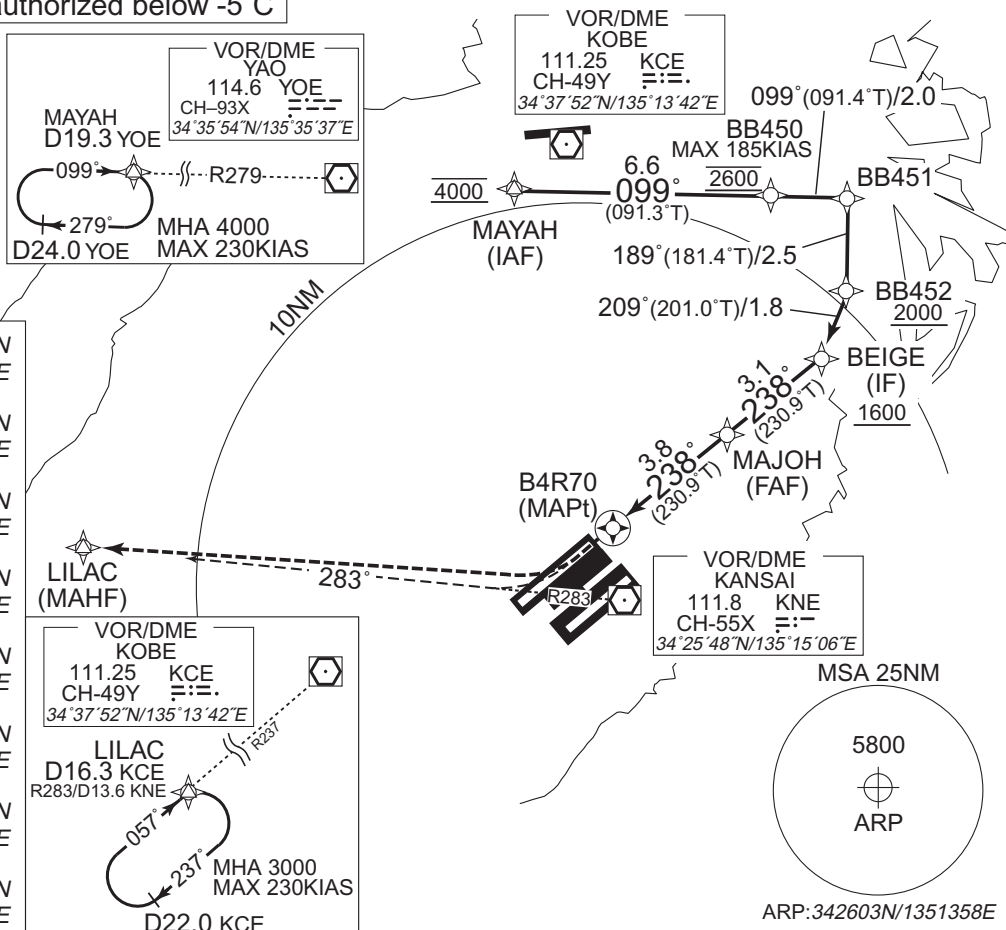
RJBB / KANSAI INTL

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 (2017)



| | |
|-----------------|---------------------------|
| MAYAH (IAF) | 343623.74N 1351211.00E |
| BB450 | 343614.20N 1352014.20E |
| BB451 | 343611.20N 1352239.80E |
| BB452 | 343344.30N 1352235.30E |
| BEIGE (IF) | 343201.53N 1352147.47E |
| MAJOH (FAF) | 343005.41N 1351853.91E |
| B4R70 (MAPt) | 342742.42N 1351520.49E |
| LILAC (MAHF) | 342710.73N 1345842.01E |

| NM to Next Fix | MAPt | 1 | 2 | 3 | FAF |
|---------------------|------|-----|------|------|------|
| ALT(3.0° APCH Path) | — | 714 | 1032 | 1351 | 1600 |

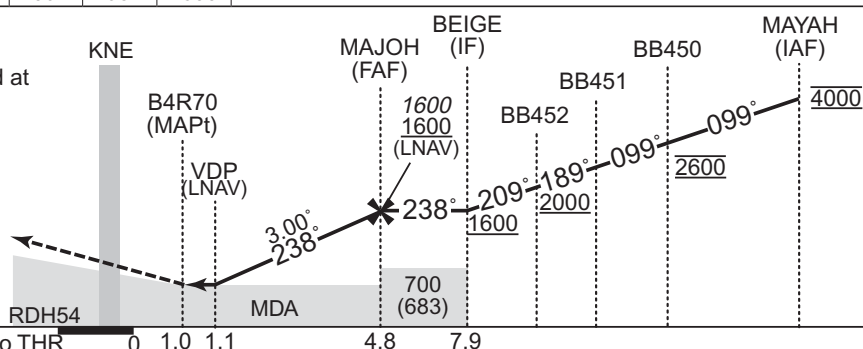
MISSED APPROACH

Turn right direct to LILAC and hold at 3000FT.

(For using VOR/DME)

Turn right, climb to 3000FT,
via KNE R283 to LILAC and hold.

Contact KANSAI APP.



| 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 | | | |
| C | | | | | | | 2400 |
| D | | | | | | | |

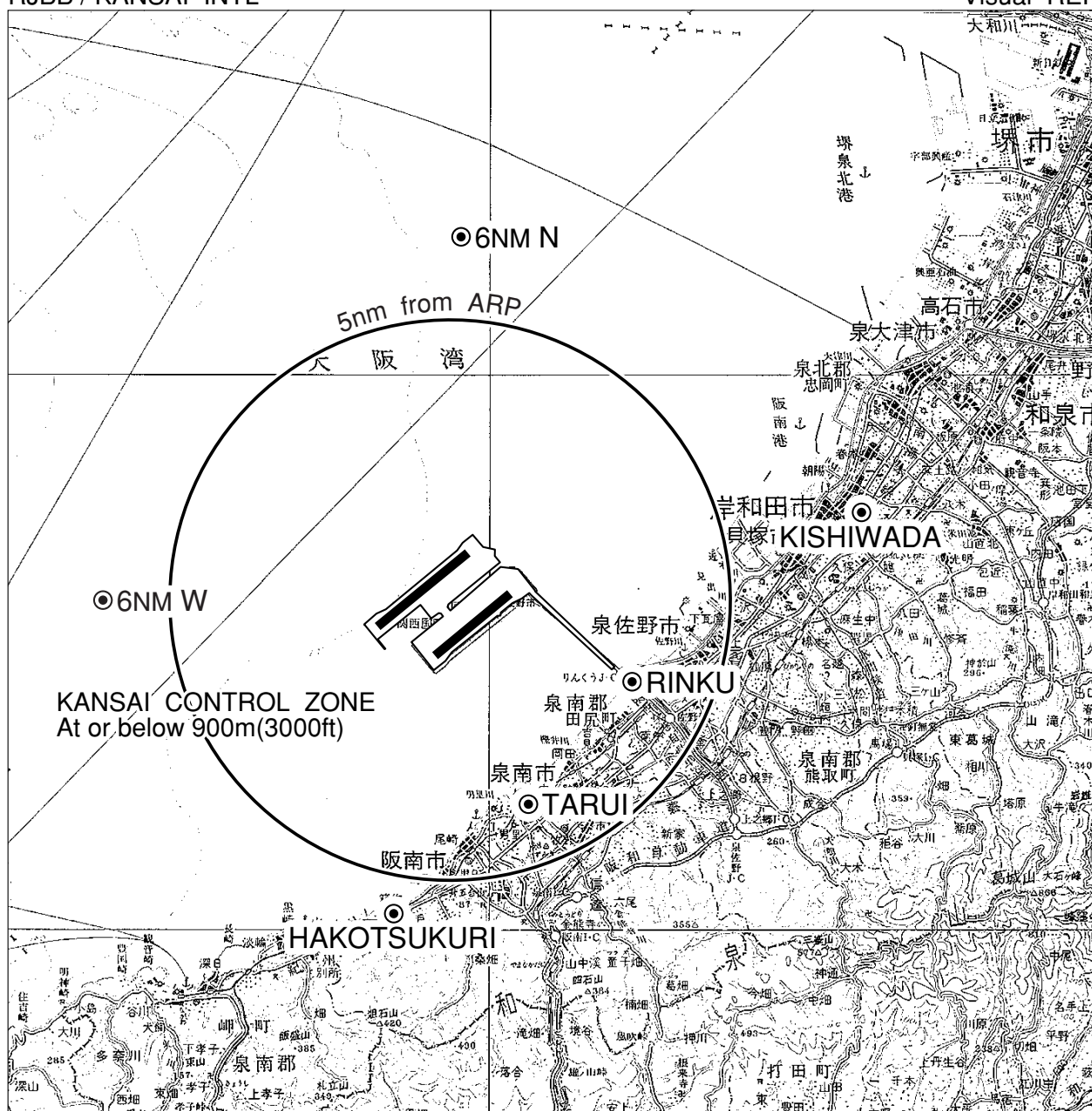
Circling to NORTH side of RWY only.

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

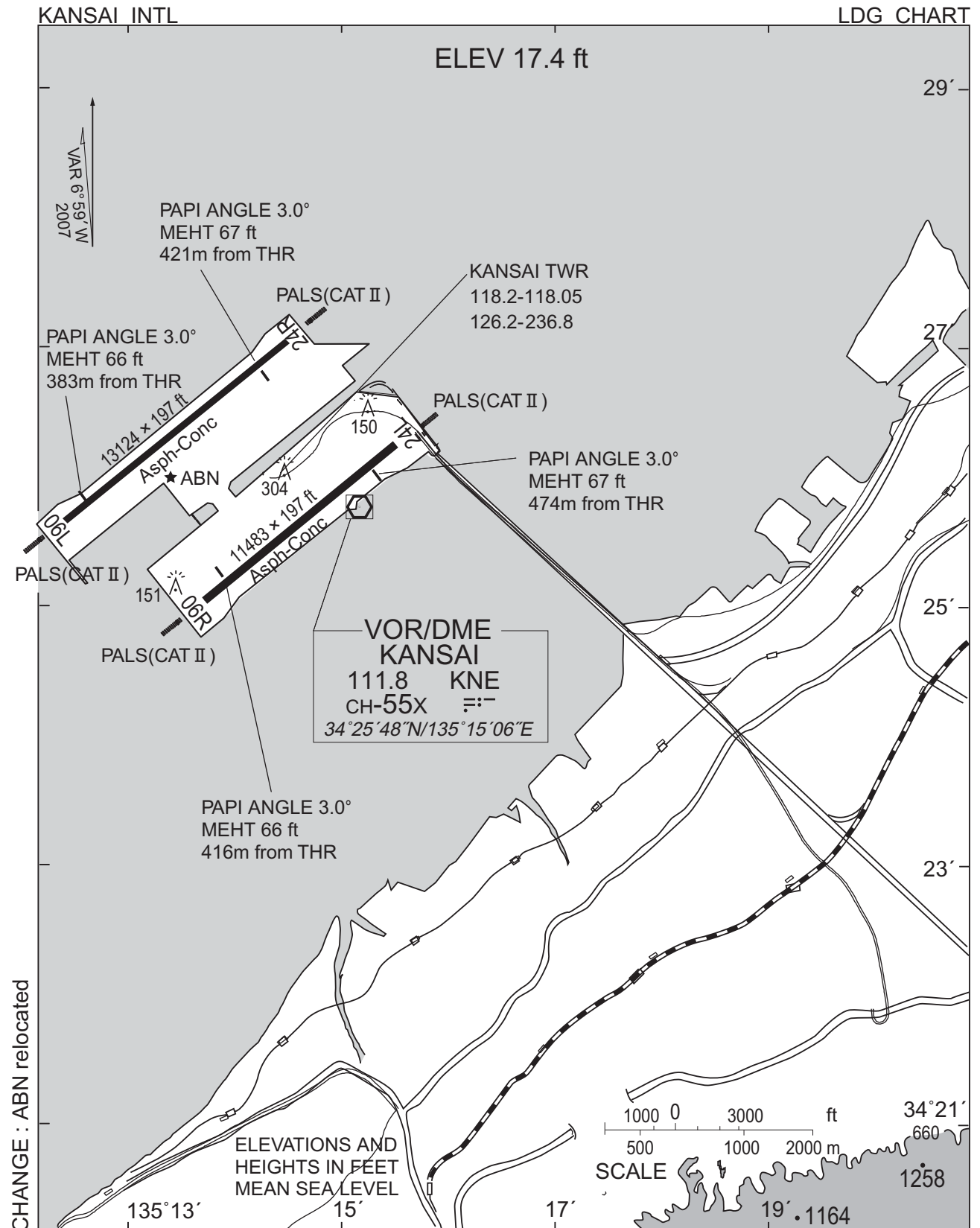
HLDG PATTERN

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

