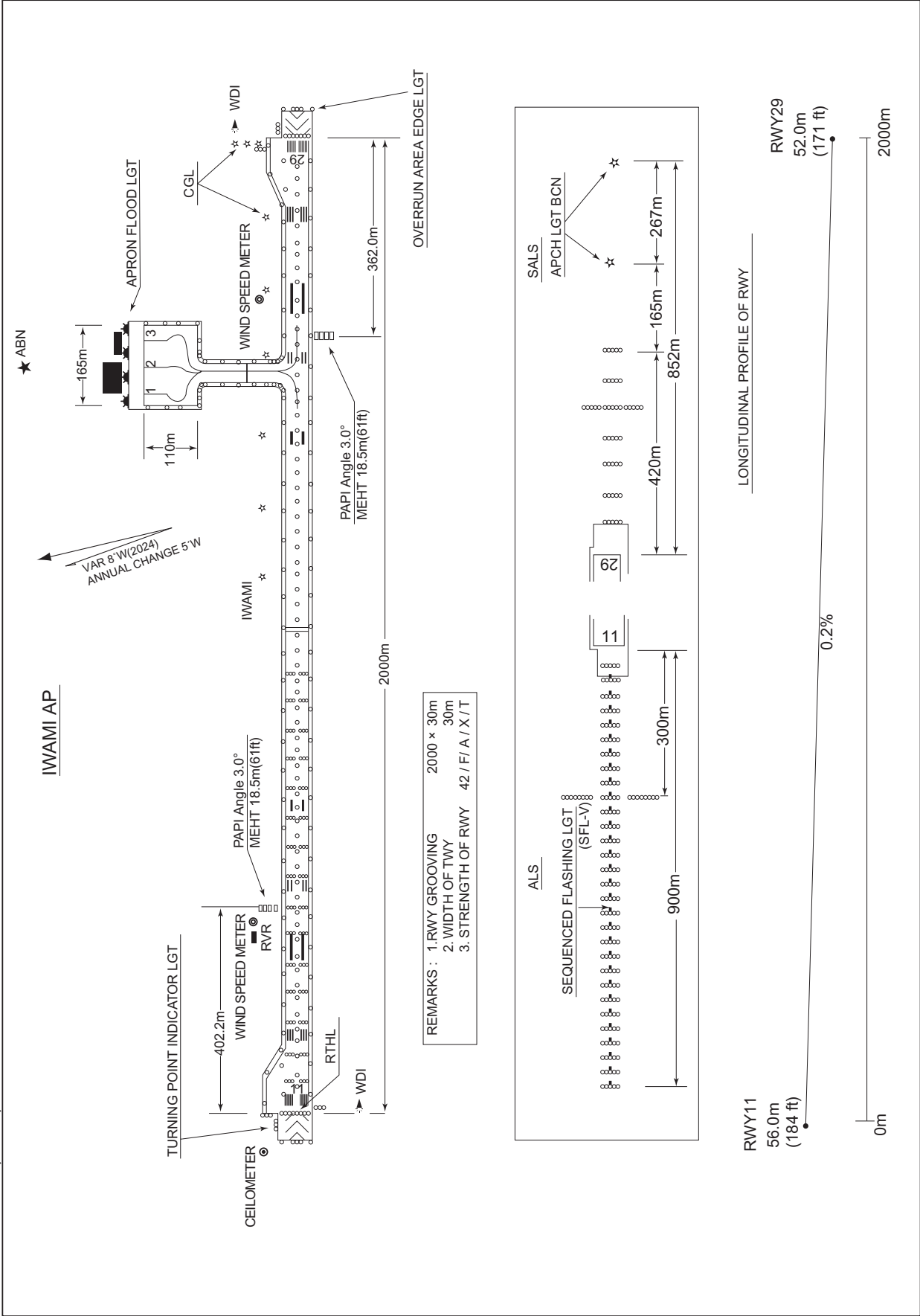


RJOW / IWAMI

AD CHART

CHANGE : ALS, SFL, SALS added. VAR.



STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI

SID and TRANSITION

SAMBA THREE DEPARTURE

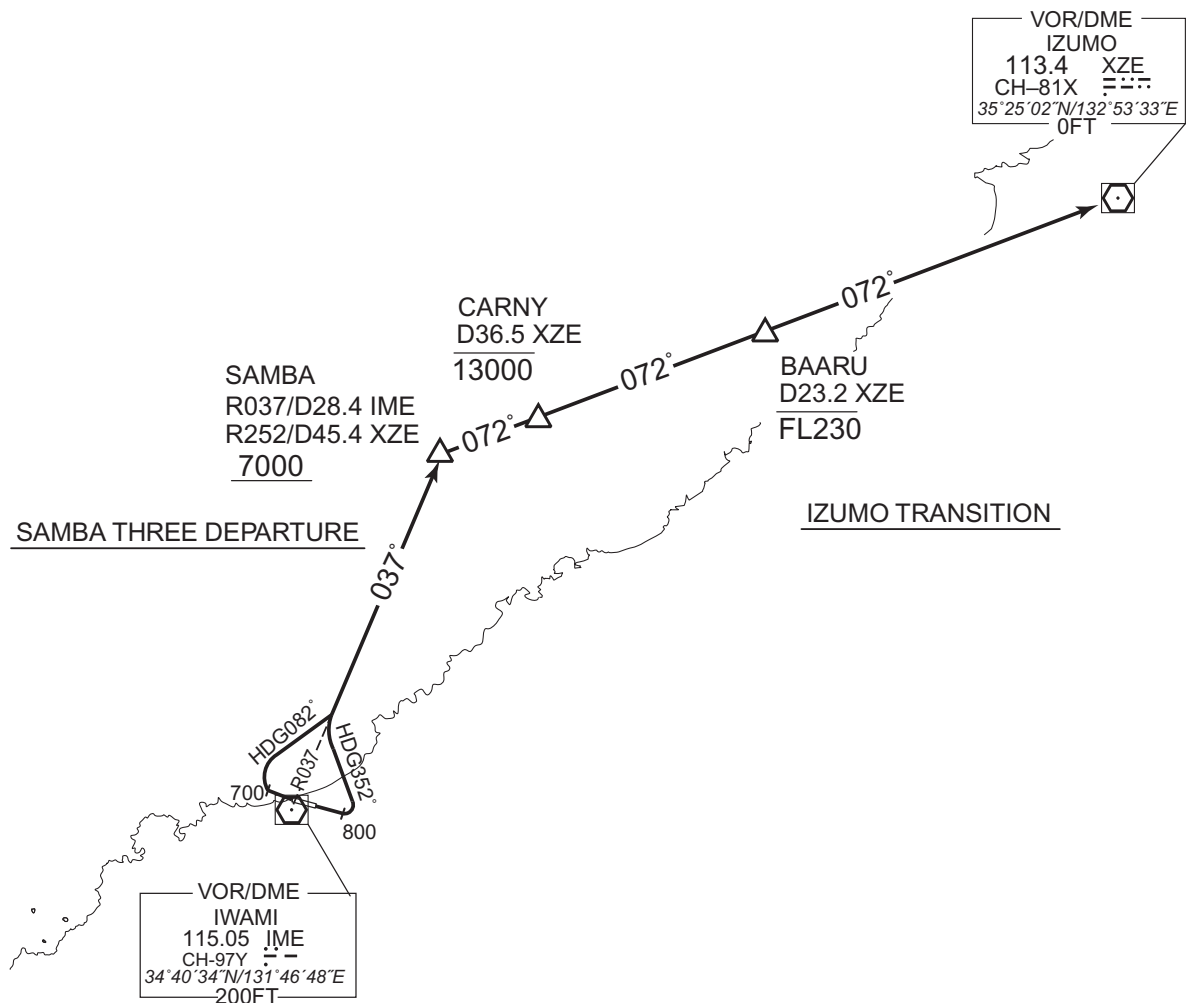
RWY11 : Climb RWY HDG to 800FT, turn left HDG352° ,...
RWY29 : Climb RWY HDG to 700FT, turn right HDG082° ,...
...to intercept and proceed via IME R037 to SAMBA.
Cross SAMBA at or above 7000FT.

Note RWY11 : 5.7% climb gradient required up to 1700FT.
OBST ALT 1322FT located at 4.8NM 094° FM end of RWY11.

IZUMO TRANSITION

From over SAMBA, via XZE R252 to XZE VOR/DME.
Cross CARNY at or below 13000FT, cross BAARU at or below FL230.

CHANGE : PROC renamed(SAMBA THREE DEPARTURE), PROC course. Note RWY11(OBST).



STANDARD DEPARTURE CHART-INSTRUMENT

RJOW / IWAMI

RNAV TRANSITION



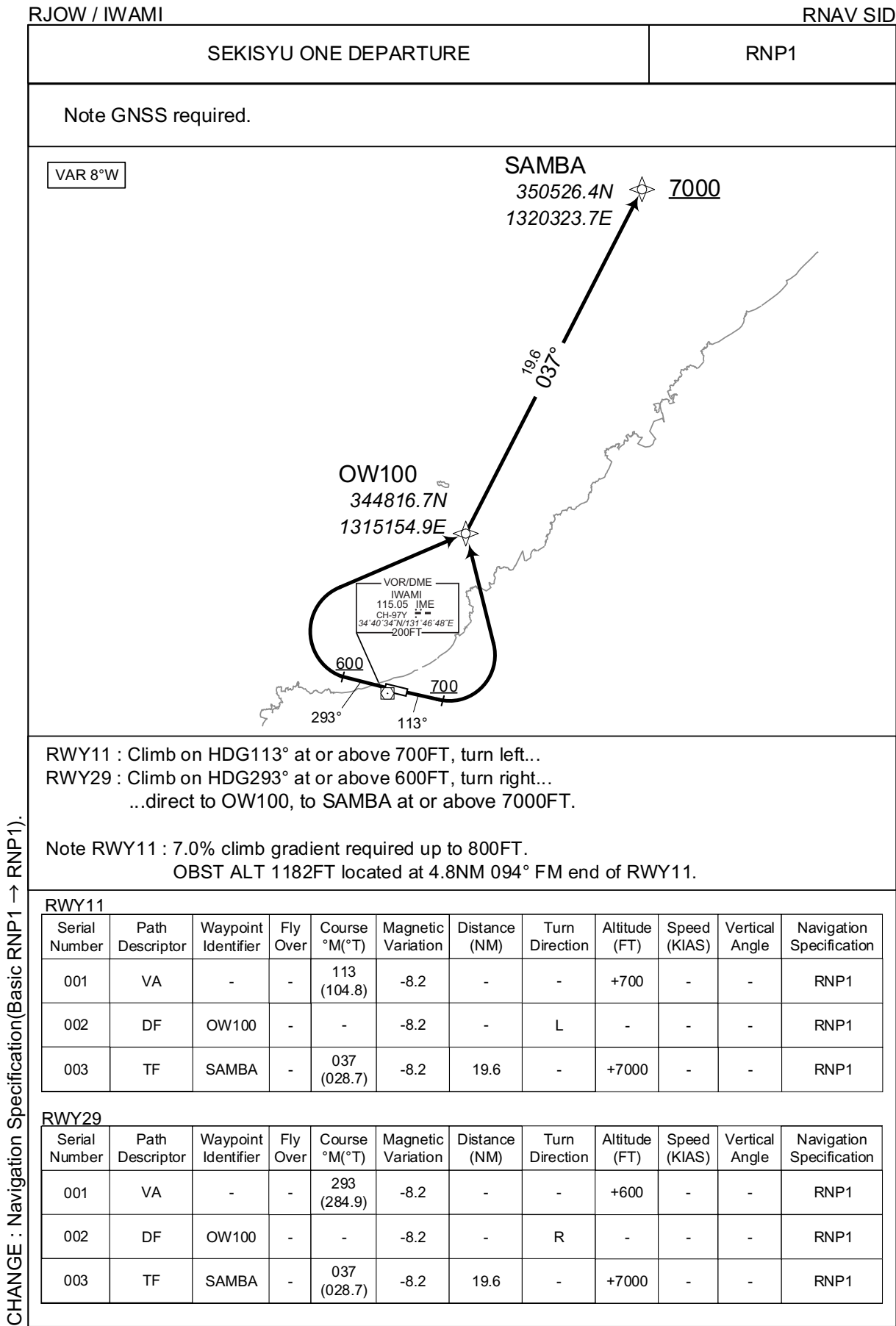
From SAMBA at or above 7000FT, to OSPEL at or below 13000FT, to VIBEL at or below FL230.

| | |
|-----------------------|--|
| Critical DME | STD : SAMBA – VIBEL |
| DME GAP | - |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1. |

CHANGE : FIX symbol(SAMBA).

| Serial Number | 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 | SAMBA | - | - | -7.8 | - | - | +7000 | - | - | RNAV1 |
| 002 | TF | OSPEL | - | 077 (069.7) | -7.8 | 10.5 | - | -13000 | - | - | RNAV1 |
| 003 | TF | VIBEL | - | 078 (069.8) | -7.8 | 10.2 | - | -FL230 | - | - | RNAV1 |

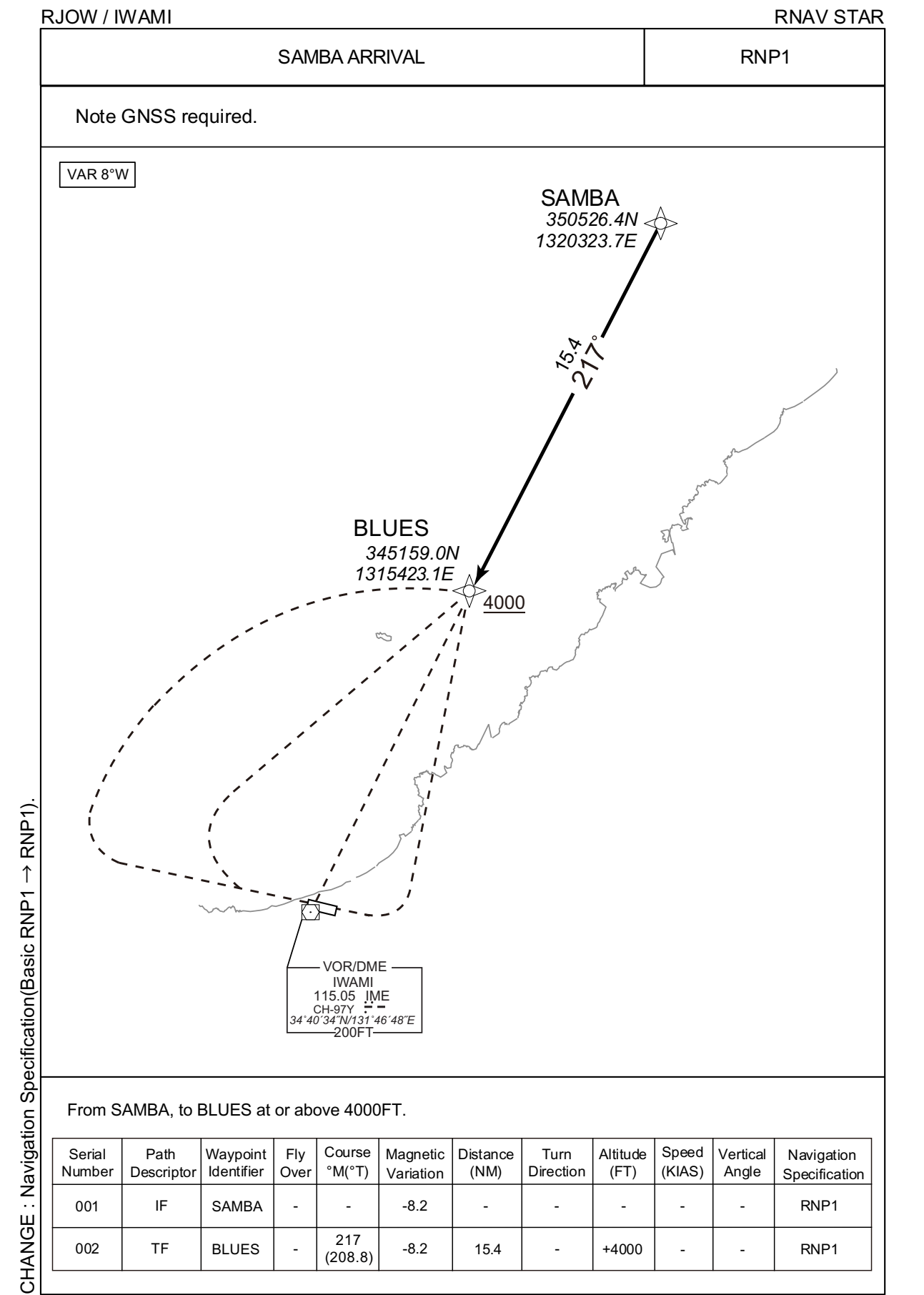
STANDARD DEPARTURE CHART-INSTRUMENT



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

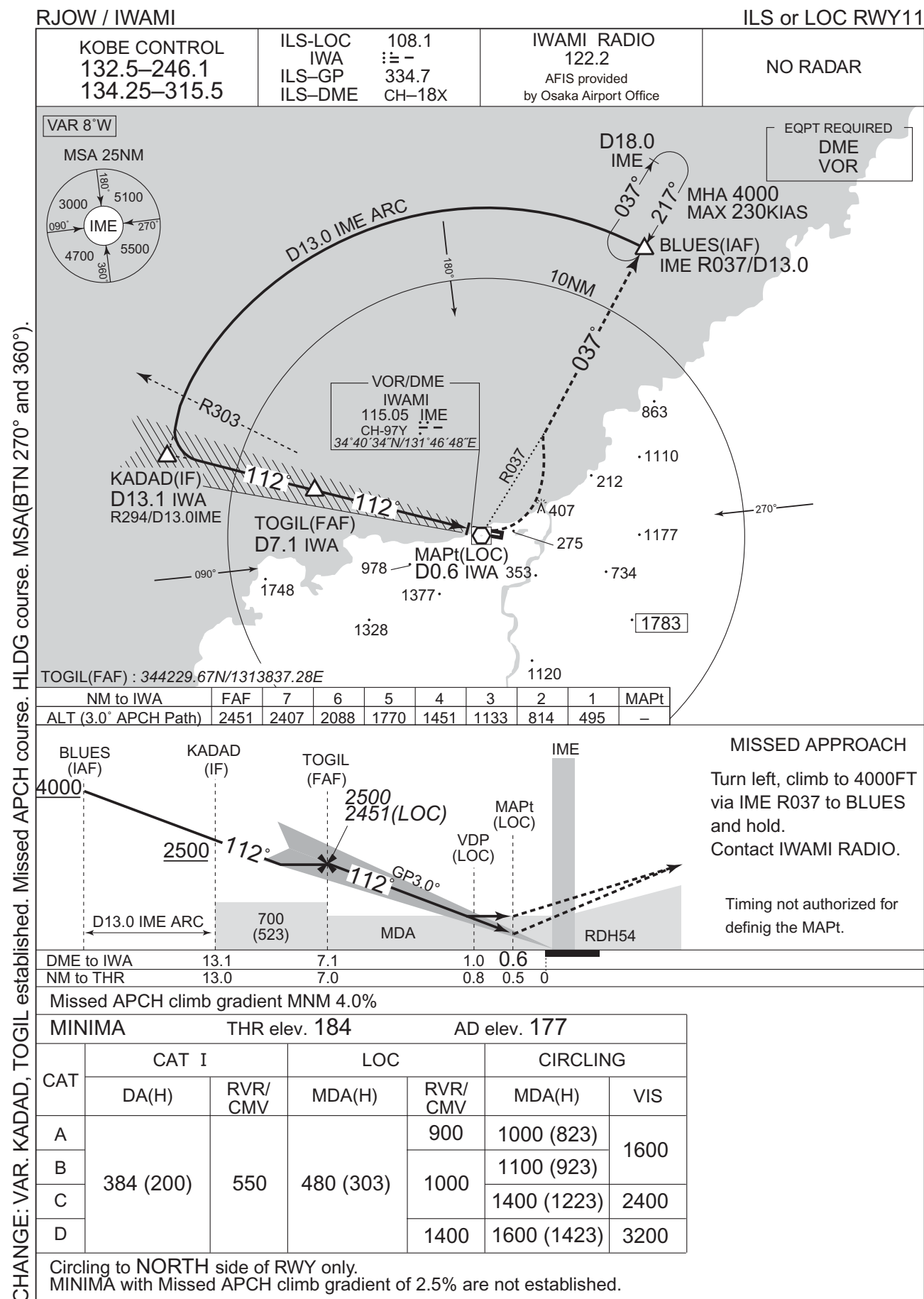
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STANDARD ARRIVAL CHART-INSTRUMENT

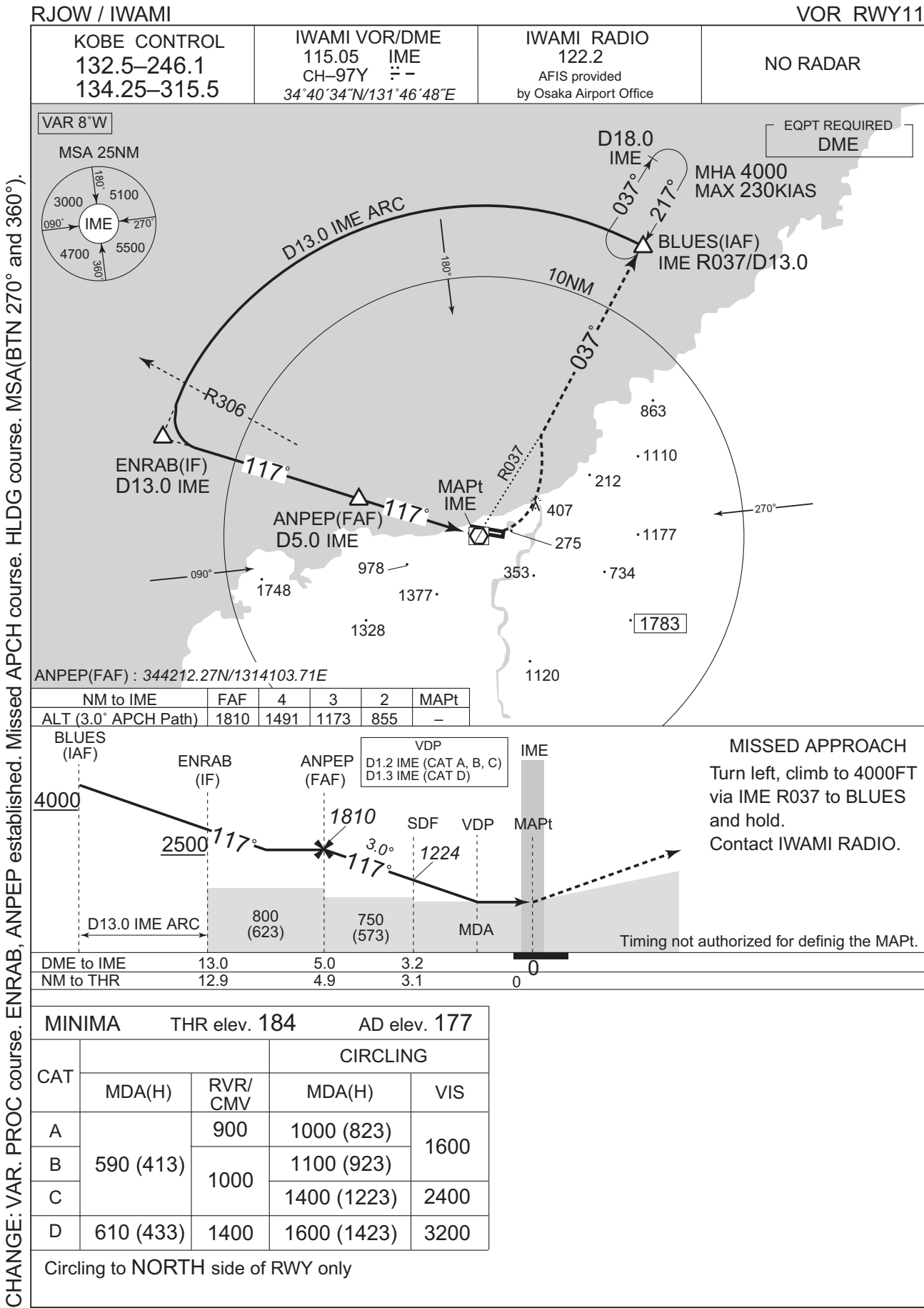


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INSTRUMENT APPROACH CHART



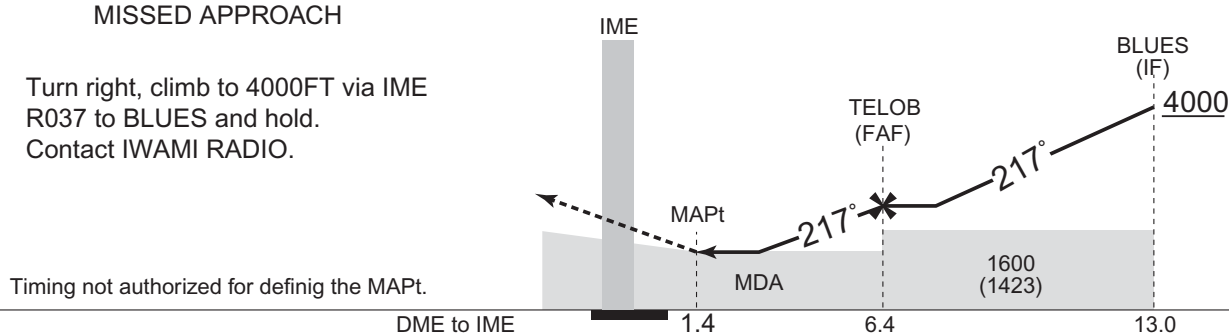
INSTRUMENT APPROACH CHART



CHANGE: VAR. PROC course. TELOB established. Missed APCH course. HLDG course. MSA(BTN 270° and 360°).

VOR A

Turn right, climb to 4000FT via IME
R037 to BLUES and hold.
Contact IWAMI RADIO.



| MINIMA | | AD elev. 177 |
|--------|-------------|--------------|
| CAT | CIRCLING | |
| | MDA(H) | VIS |
| A | 1000 (823) | 1600 |
| B | 1100 (923) | |
| C | 1400 (1223) | 2400 |
| D | 1600 (1423) | 3200 |

Circling to NORTH side of RWY only

INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY11(AR)

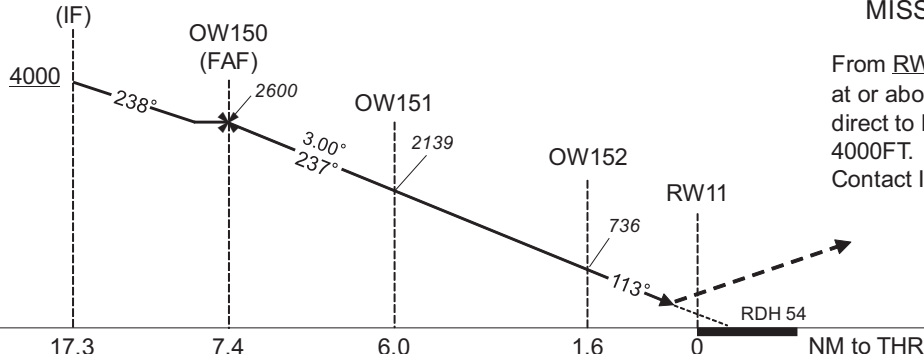
| | | | |
|---|------------------------|--|----------|
| KOBE CONTROL 132.5 - 246.1 134.25 - 315.5 | RNP AR RF required. | IWAMI RADIO 122.2 AFIS provided by Osaka Airport Office | NO RADAR |
|---|------------------------|--|----------|

For uncompensated Baro-VNAV systems, procedure not authorized below -5°C / above 45°C



BLUES (IF)

MISSED APPROACH



Missed APCH climb gradient MNM 5.0%

| MINIMA | THR elev. 184 | AD elev. 177 |
|--------|---------------|--------------|
| CAT | RNP 0.30 | |
| | DA(H) | RVR/CMV |
| A | - | - |
| B | - | - |
| C | 484(300) | 1000 |
| D | - | - |

Authorization Required

MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : HLDG course for using NAVAID.

INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY11(AR)

| Coding Table | | | | | | | | | | | |
|---------------|---------------------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|-----------------|-----------|
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/ RDH (°/FT) | RNP Value |
| 001 | IF | BLUES | - | - | -8.2 | - | - | +4000 | - | - | 1.0 |
| 002 | TF | OW150 | - | 238 (229.3) | -8.2 | 9.8 | - | 2600 | - | - | 1.0 |
| 003 | TF | OW151 | - | 237 (229.2) | -8.2 | 1.4 | - | 2139 | -165 | -3.00 | 0.3 |
| 004 | RF Center: OWRF1 r=2.03NM | OW152 | - | - | -8.2 | 4.4 | L | 736 | - | -3.00 | 0.3 |
| 005 | TF | RW11 | Y | 113 (104.8) | -8.2 | 1.6 | - | 238 | - | -3.00/54 | 0.3 |
| 006 | FA | - | - | 113 (104.8) | -8.2 | - | - | +600 | - | - | 1.0 |
| 007 | DF | BLUES | - | - | -8.2 | - | L | 4000 | - | - | 1.0 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|---------------|-----------|
| Hold | BLUES | 217 (208.7) | -8.2 | 1.0 (-13000) | R | 4000 | 13000 | -220 (-13000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| BLUES | 345159.02N / 1315423.09E | OWRF1 | 344304.90N / 1314534.53E |
| OW150 | 344533.91N / 1314518.52E | | |
| OW151 | 344437.18N / 1314358.51E | | |
| OW152 | 344107.26N / 1314456.99E | | |
| RW11 | 344043.28N / 1314647.11E | | |

CHANGE : VAR. Course FM BLUES to OW150. RNAV HLDG established.

INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY29(AR)



CHANGE : HLDG course for using NAVAID.

INSTRUMENT APPROACH CHART

RJOW / IWAMI

RNP RWY29(AR)

Coding Table

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/ RDH (°/FT) | RNP Value |
|---------------|------------------------------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|-----------------|--------------|
| 001 | IF | BLUES | - | - | -8.2 | - | - | +4000 | - | - | 1.0 |
| 002 | TF | OW950 | - | 200 (191.5) | -8.2 | 6.0 | - | 3100 | - | - | 1.0 |
| 003 | TF | OW951 | - | 200 (191.5) | -8.2 | 5.3 | - | 1374 | -150 | -3.10 | 0.16 0.30 |
| 004 | RF Center: OWRF2 r=1.20NM | OW952 | - | - | -8.2 | 2.0 | R | 731 | - | -3.10 | 0.16 0.30 |
| 005 | TF | RW29 | Y | 293 (284.9) | -8.2 | 1.5 | - | 221 | - | -3.10/50 | 0.16 0.30 |
| 006 | FA | - | - | 293 (284.9) | -8.2 | - | - | +600 | - | - | 1.0 |
| 007 | DF | BLUES | - | - | -8.2 | - | R | 4000 | - | - | 1.0 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|------------------|-----------|
| Hold | BLUES | 217 (208.7) | -8.2 | 1.0 (-13000) | R | 4000 | 13000 | -220 (-13000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| BLUES | 345159.02N / 1315423.09E | OWRF2 | 344112.62N / 1315014.52E |
| OW950 | 344606.97N / 1315256.13E | | |
| OW951 | 344058.27N / 1315140.08E | | |
| OW952 | 344002.90N / 1314952.21E | | |
| RW29 | 344026.72N / 1314803.07E | | |

CHANGE : VAR. PROC course. RNAV HLDG established.

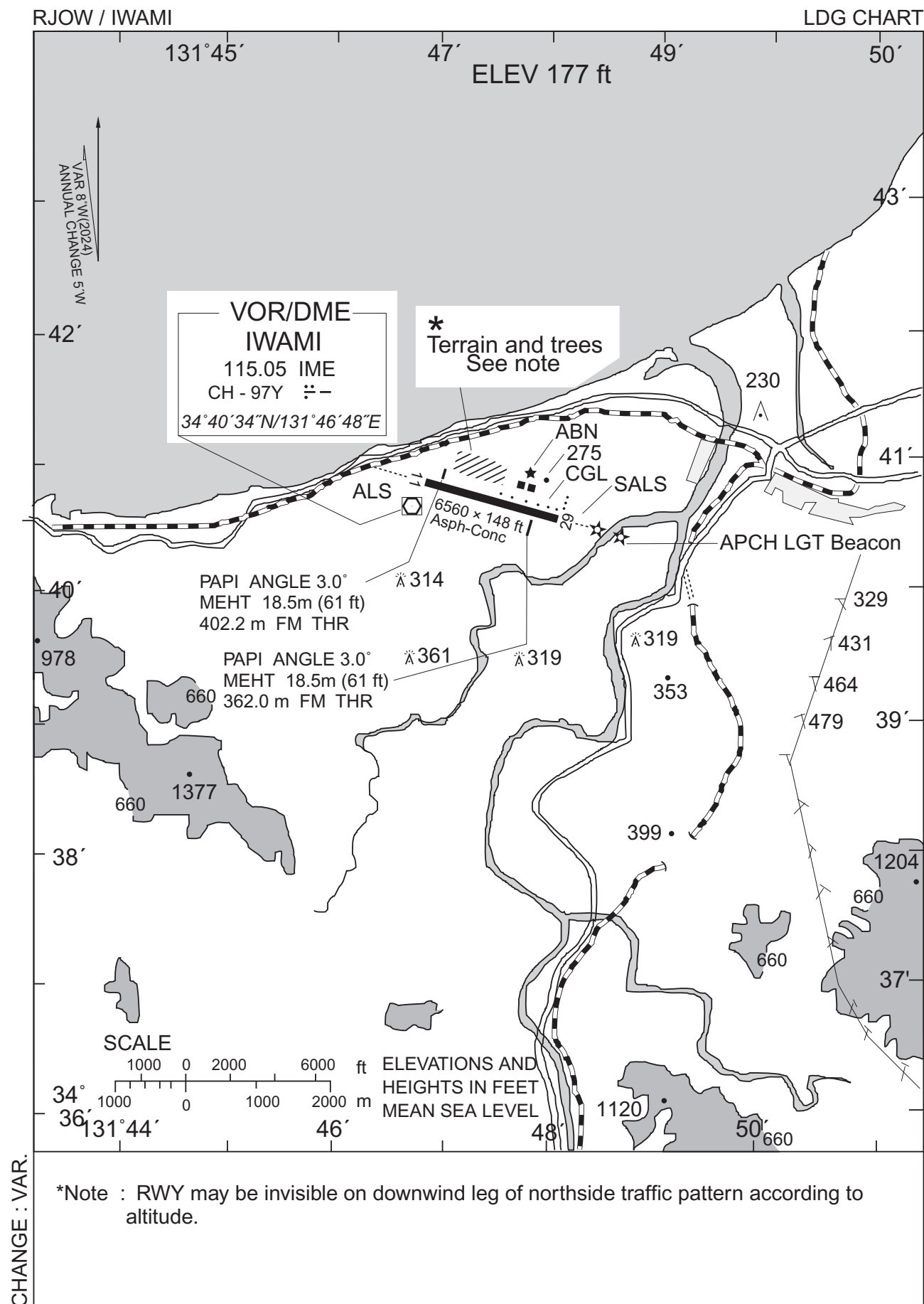
RJOW / IWAMI Visual REP



※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : VAR.

| Call sign | BRG / DIST from ARP | Remarks |
|-----------------|---------------------|--------------|
| 魚待 Uomachi | 038°T / 6.0NM | 岬 Cape |
| 高山 Takayama | 266°T / 8.8NM | 岬 Cape |
| 日原 Nichihara | 166°T / 8.9NM | 駅 Station |



RJOW / IWAMI

Minimum Vectoring Altitude CHART



CENTER : 344035N/1314725E (ARP)