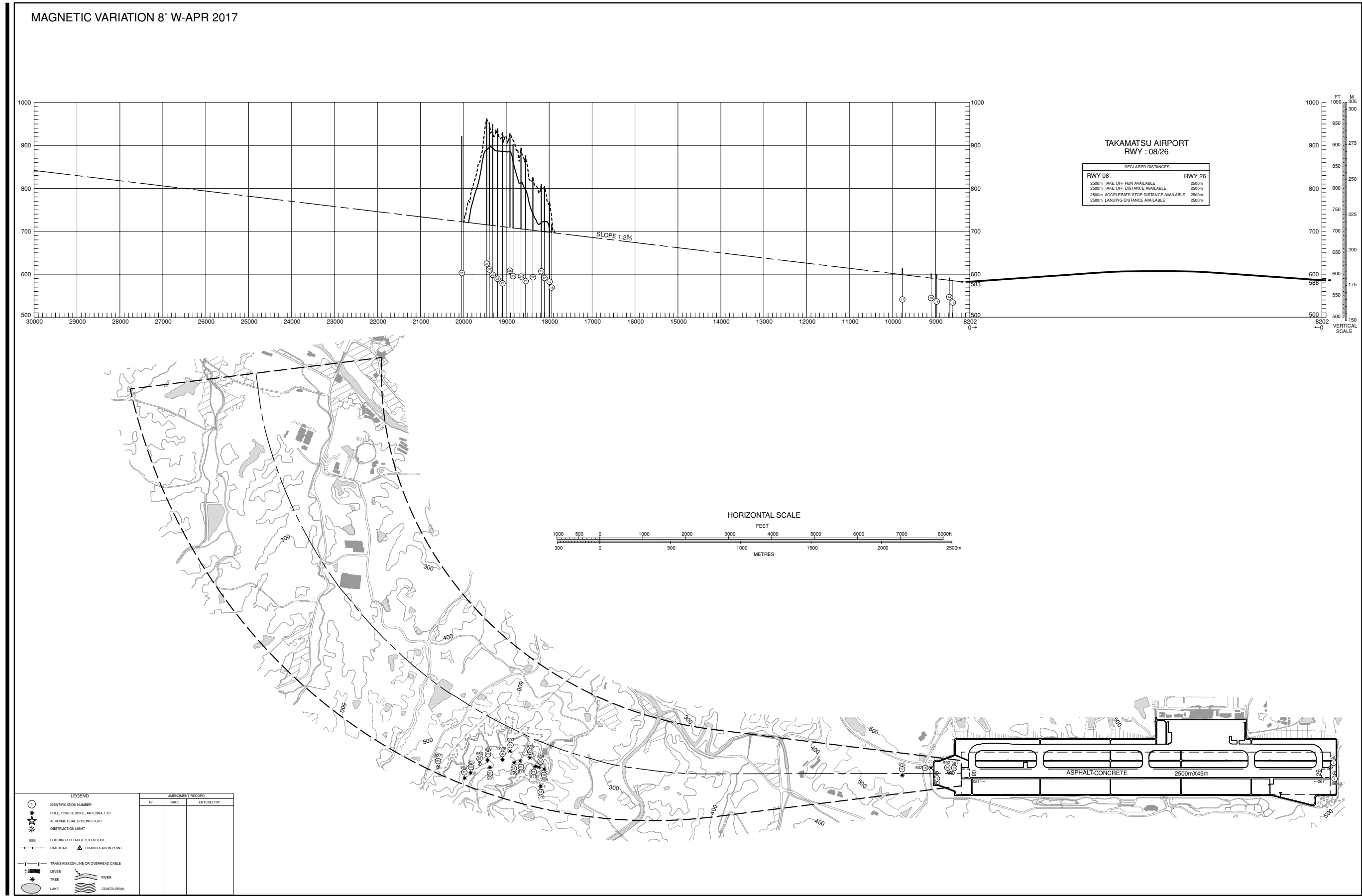


AD CHART



AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

MAGNETIC VARIATION 8° W-APR 2017



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

SID

KAGAWA NORTH THREE DEPARTURE

RWY 08 : Climb RWY HDG to 1700FT, turn left HDG307°...

RWY 26 : Climb RWY HDG to 2200FT, turn right HDG037°...

...to intercept and proceed via KTE R352 to OYE VOR/DME.

Note : RWY 08 : 5.0% climb gradient required up to 1700FT.

OBST ALT 755FT located at 0.7NM 100° FM end of RWY08.

RWY 26 : 6.6% climb gradient required up to 2200FT.

OBST ALT 1772FT located at 3.3NM 255° FM end of RWY26.

KAGAWA REVERSAL EIGHT DEPARTURE

RWY 08 : Climb RWY HDG to 1700FT, turn left HDG322°...

RWY 26 : Climb RWY HDG to 2200FT, turn right HDG052°...

...to intercept and proceed via KTE R007 to 13.0DME, turn left
direct to KTE VOR/DME.

Note : RWY 08 : 5.0% climb gradient required up to 1700FT.

OBST ALT 755FT located at 0.7NM 100° FM end of RWY08.

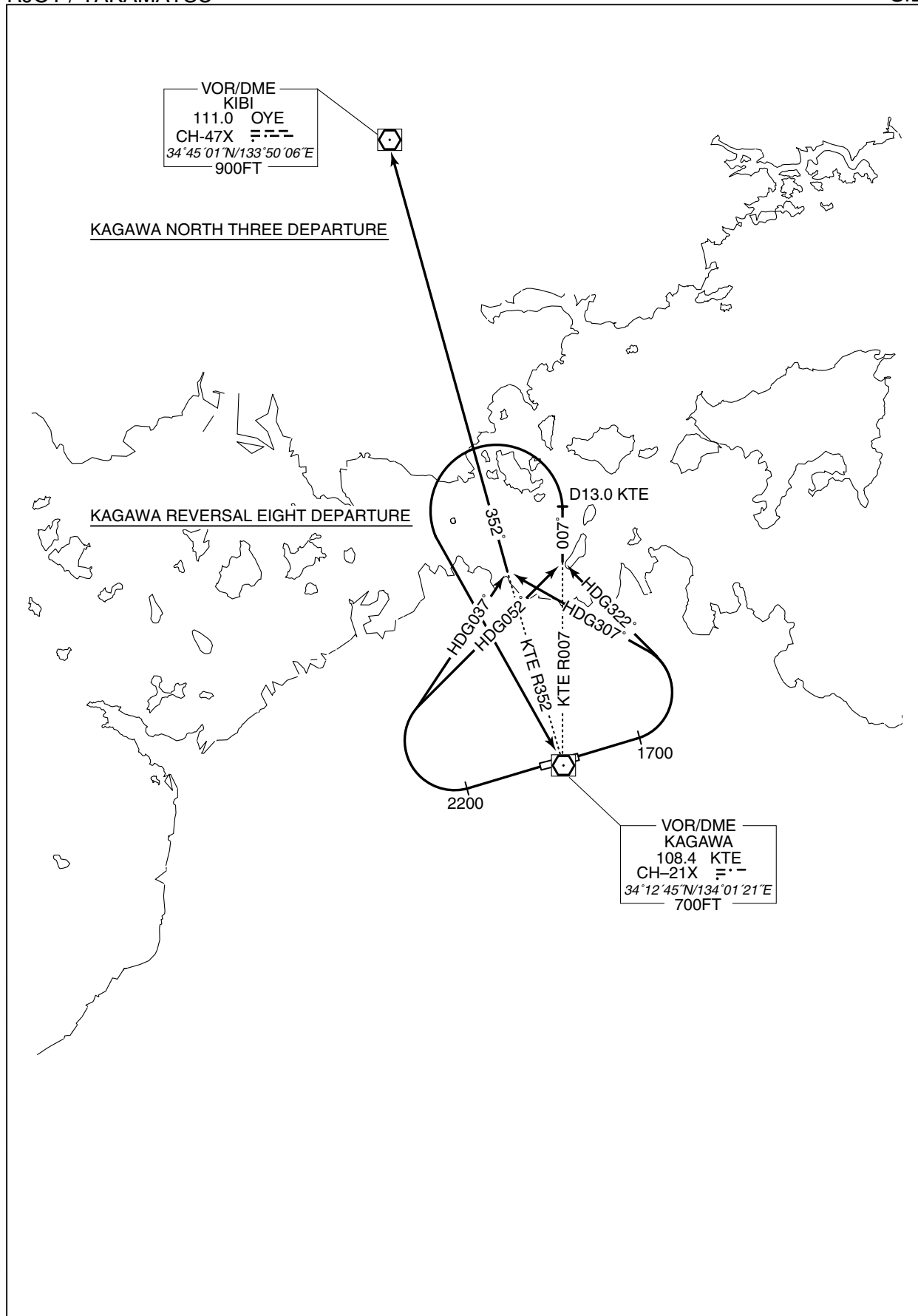
RWY 26 : 6.6% climb gradient required up to 2200FT.

OBST ALT 1772FT located at 3.3NM 255° FM end of RWY26.

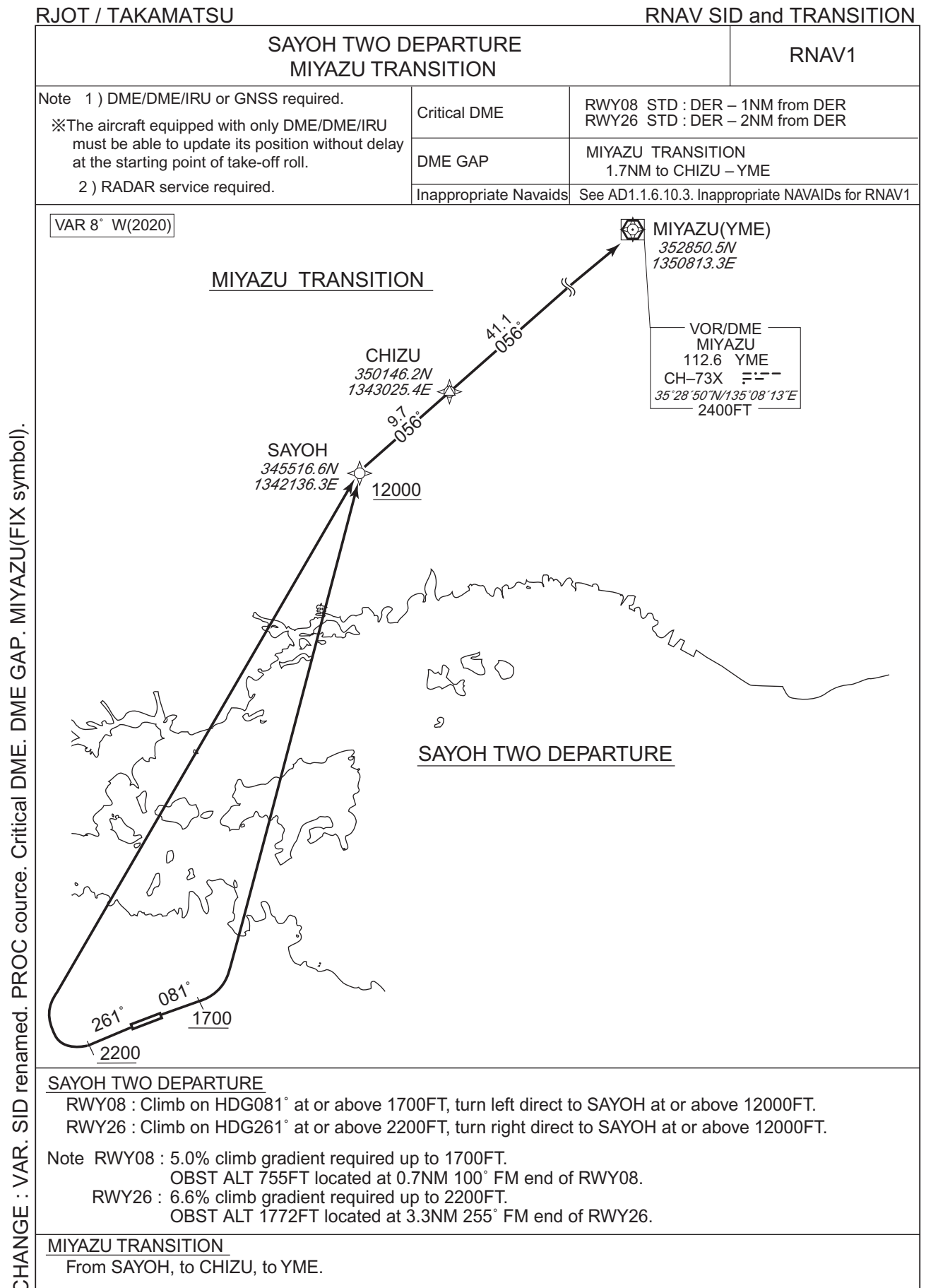
STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

SID



STANDARD DEPARTURE CHART-INSTRUMENT



STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID and TRANSITION

SAYOH TWO DEPARTURE

RWY08

| 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 | — | — | 081 (072.9) | -7.8 | — | — | +1700 | — | — | RNAV1 |
| 002 | DF | SAYOH | — | — | -7.8 | — | L | +12000 | — | — | RNAV1 |

RWY26

| 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 | — | — | 261 (252.9) | -7.8 | — | — | +2200 | — | — | RNAV1 |
| 002 | DF | SAYOH | — | — | -7.8 | — | R | +12000 | — | — | RNAV1 |

MIYAZU TRANSITION

| 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 | SAYOH | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | CHIZU | — | 056 (048.0) | -7.8 | 9.7 | — | — | — | — | RNAV1 |
| 003 | TF | YME | — | 056 (048.6) | -7.8 | 41.1 | — | — | — | — | RNAV1 |

CHANGE : VAR. SID renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID

| WASYU THREE DEPARTURE | | RNAV 1 |
|--|-----------------------|--|
| 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 | RWY08 STD : DER – 1NM from DER RWY26 STD : DER – 2NM from DER |
| | DME GAP | — |
| | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |
| <div>VAR 8° W(2020)</div> <p><u>WASYU THREE DEPARTURE</u></p> | | |
| <p><u>WASYU THREE DEPARTURE</u></p> <p>RWY08 : Climb on HDG081° at or above 1700FT, turn left direct to WASYU. RWY26 : Climb on HDG261° at or above 2200FT, turn right direct to WASYU.</p> <p>Note RWY08: 5.0% climb gradient required up to 1700FT. OBST ALT 755FT located at 0.7NM 100° FM end of RWY08. RWY26: 6.6% climb gradient required up to 2200FT. OBST ALT 1772FT located at 3.3NM 255° FM end of RWY26.</p> | | |

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID

WASYU THREE DEPARTURE

RWY08

| 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 | — | — | 081 (072.9) | -7.8 | — | — | +1700 | — | — | RNAV1 |
| 002 | DF | WASYU | — | — | -7.8 | — | L | — | — | — | RNAV1 |

RWY26

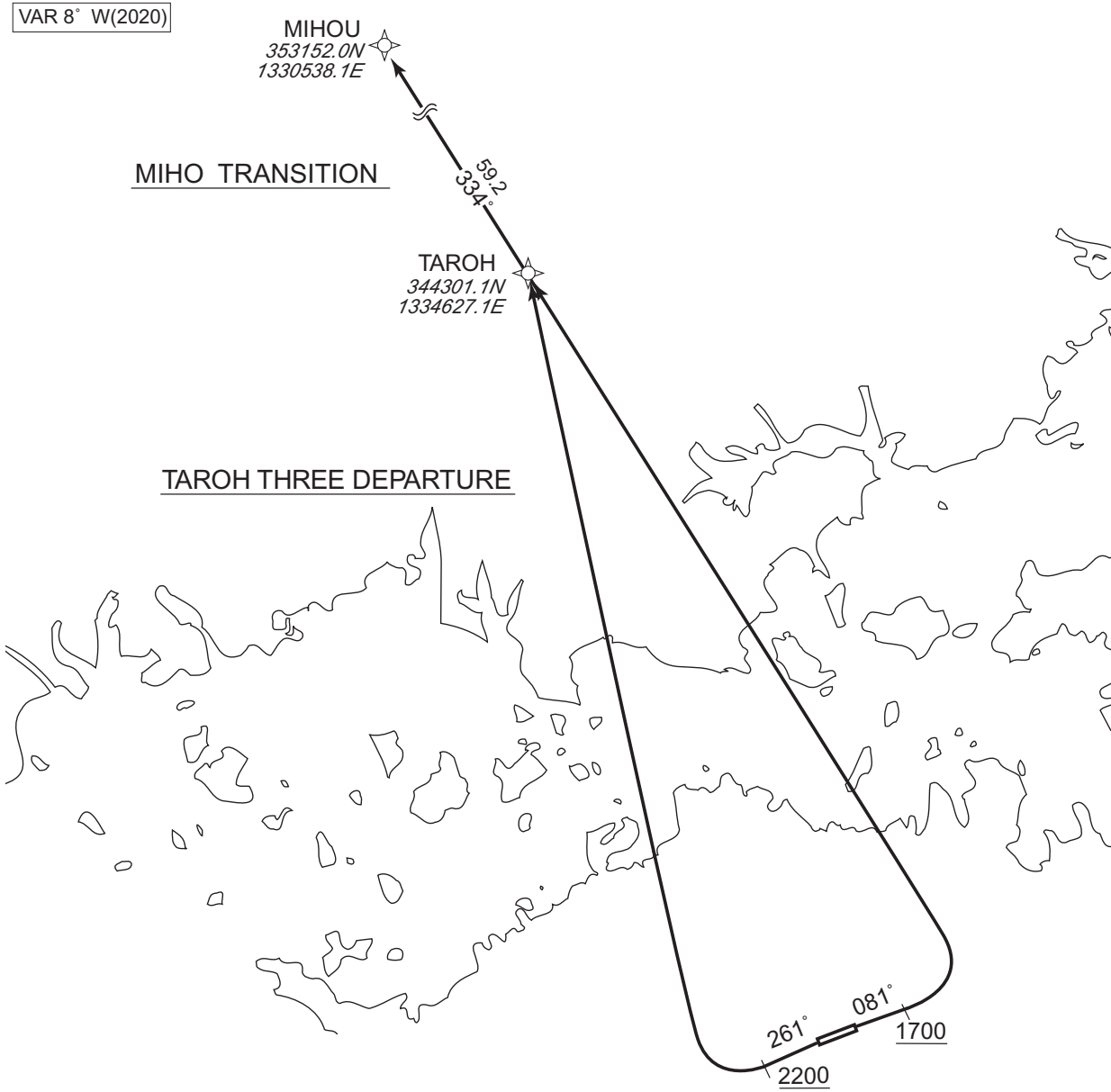
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 261 (252.9) | -7.8 | — | — | +2200 | — | — | RNAV1 |
| 002 | DF | WASYU | — | — | -7.8 | — | R | — | — | — | RNAV1 |

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID and TRANSITION

| TAROH THREE DEPARTURE MIHO TRANSITION | | RNAV 1 |
|--|-----------------------|---|
| <p>Note 1) DME/DME/IRU or GNSS required.</p> <p>※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.</p> <p>2) RADAR service required.</p> | Critical DME | <p>RWY08 STD : DER – 1NM from DER</p> <p>RWY26 STD : DER – 2NM from DER</p> <p>MIHO TRANSITION</p> <p>HGE : 50NM to MIHOU – 36NM to MIHOU</p> <p>OIE : 5NM to MIHOU – MIHOU</p> |
| | DME GAP | – |
| | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |
| <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="border: 1px solid black; padding: 2px;">VAR 8° W(2020)</div>  </div> | | |
| <p>TAROH THREE DEPARTURE</p> <p>RWY08 : Climb on HDG081° at or above 1700FT, turn left direct to TAROH.</p> <p>RWY26 : Climb on HDG261° at or above 2200FT, turn right direct to TAROH.</p> <p>Note RWY08: 5.0% climb gradient required up to 1700FT.</p> <p>OBST ALT 755FT located at 0.7NM 100° FM end of RWY08.</p> <p>RWY26: 6.6% climb gradient required up to 2200FT.</p> <p>OBST ALT 1772FT located at 3.3NM 255° FM end of RWY26.</p> | | |
| <p>MIHO TRANSITION</p> <p>From TAROH, to MIHOU.</p> | | |

CHANGE : VAR. SID renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID and TRANSITION

TAROH THREE DEPARTURE

RWY08

| 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 | — | — | 081 (072.9) | -7.8 | — | — | +1700 | — | — | RNAV1 |
| 002 | DF | TAROH | — | — | -7.8 | — | L | — | — | — | RNAV1 |

RWY26

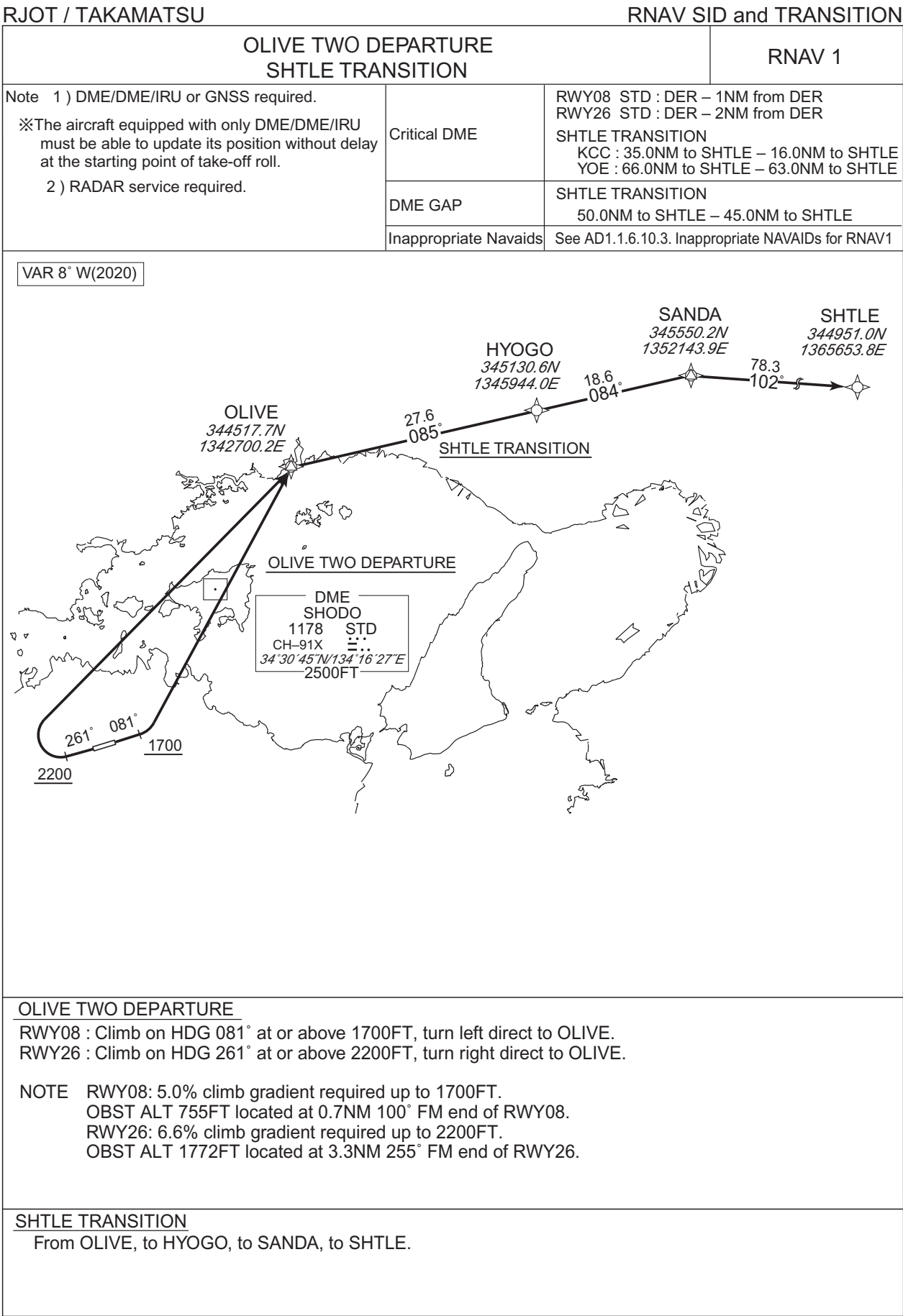
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 261 (252.9) | -7.8 | — | — | +2200 | — | — | RNAV1 |
| 002 | DF | TAROH | — | — | -7.8 | — | R | — | — | — | RNAV1 |

MIHO TRANSITION

| 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 | TAROH | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | MIHOU | — | 334 (325.8) | -7.8 | 59.2 | — | — | — | — | RNAV1 |

CHANGE : VAR. SID renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT



CHANGE : VAR. SID renamed. PROC course. Critical DME. DME GAP. HYOGO(FIX symbol).

STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID and TRANSITION

OLIVE TWO DEPARTURE

RWY08

| 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 | — | — | 081 (072.9) | -7.8 | — | — | +1700 | — | — | RNAV1 |
| 002 | DF | OLIVE | — | — | -7.8 | — | L | — | — | — | RNAV1 |

RWY26

| 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 | — | — | 261 (252.9) | -7.8 | — | — | +2200 | — | — | RNAV1 |
| 002 | DF | OLIVE | — | — | -7.8 | — | R | — | — | — | RNAV1 |

SHTLE TRANSITION

| 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 | OLIVE | — | — | -7.8 | — | — | — | — | — | RNAV1 |
| 002 | TF | HYOGO | — | 085 (076.8) | -7.8 | 27.6 | — | — | — | — | RNAV1 |
| 003 | TF | SANDA | — | 084 (076.4) | -7.8 | 18.6 | — | — | — | — | RNAV1 |
| 004 | TF | SHTLE | — | 102 (093.9) | -7.8 | 78.3 | — | — | — | — | RNAV1 |

CHANGE : VAR. SID renamed. PROC course.

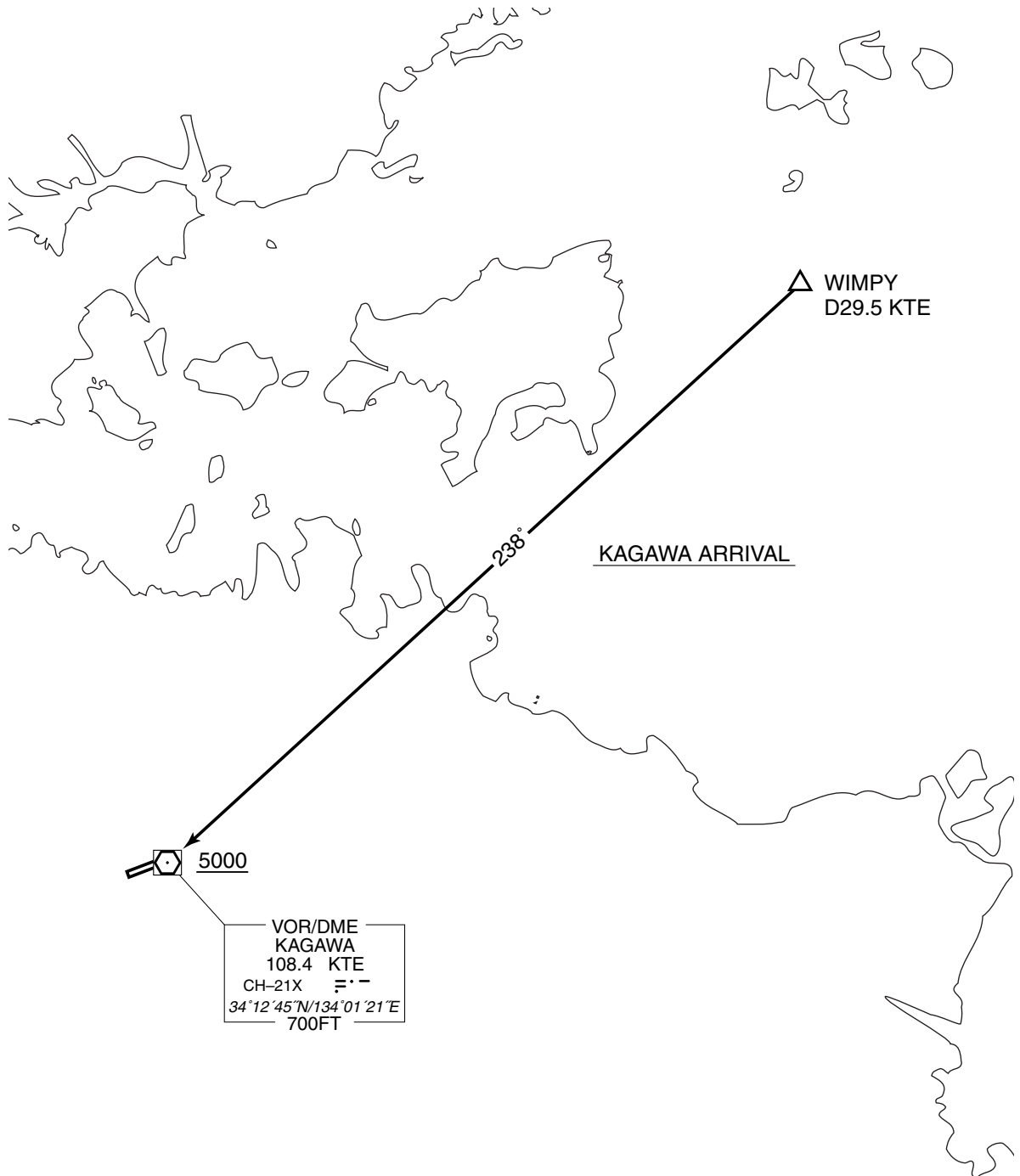
STANDARD ARRIVAL CHART-INSTRUMENT

RJOT / TAKAMATSU

STAR

KAGAWA ARRIVAL

From over WIMPY, via KTE R058 to KTE VOR/DME.
Cross KTE VOR/DME at or above 5000FT.

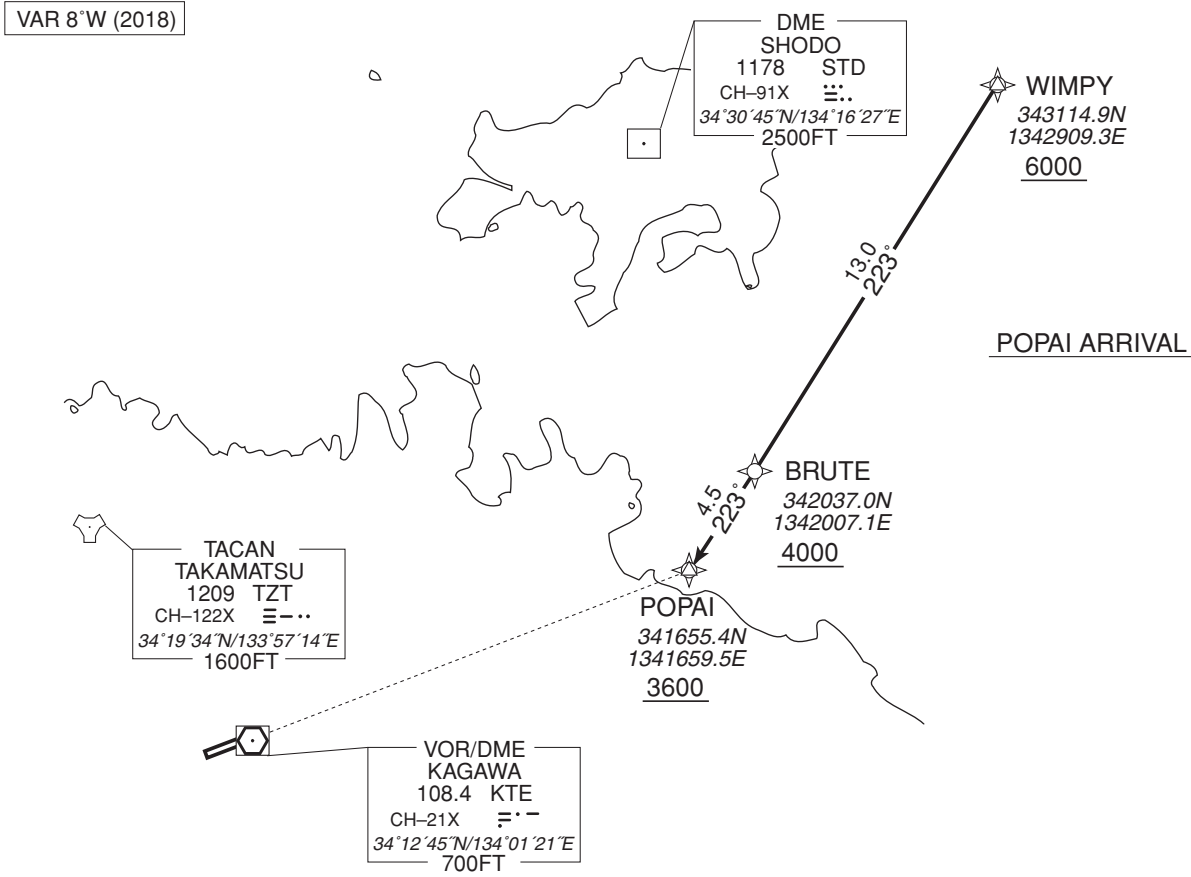


STANDARD ARRIVAL CHART-INSTRUMENT

RJOT / TAKAMATSU RNAV STAR RWY26

| POPAT ARRIVAL | RNAV1 |
|---------------|-------|
|---------------|-------|

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



POPAT ARRIVAL

From WIMPY at or above 6000FT, to BRUTE at or above 4000FT, to POPAT at or above 3600FT.

| | |
|-----------------------|---|
| 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 | WIMPY | — | — | -7.6 | — | — | +6000 | — | — | RNAV1 |
| 002 | TF | BRUTE | — | 223 (215.1) | -7.6 | 13.0 | — | +4000 | — | — | RNAV1 |
| 003 | TF | POPAT | — | 223 (215.0) | -7.6 | 4.5 | — | +3600 | — | — | RNAV1 |

CHANGE : VAR, POPAT

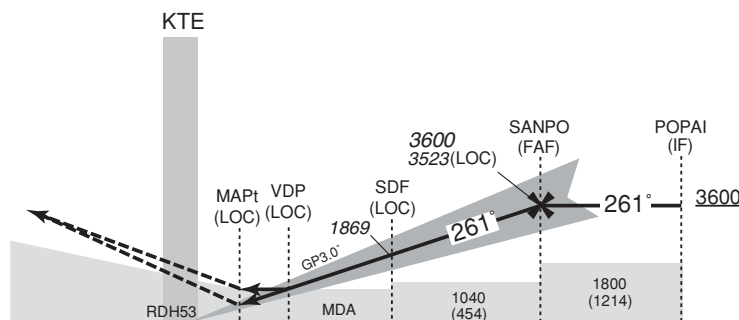
RJOT / TAKAMATSU

ILS Z or LOC Z RWY26

[illegible]

Climb to 1000FT on HDG261°, turn right, via
KTE R306 to KTE 6.3DME, turn right, direct to
KTE VOR/DME and hold at 5000FT.
Cross KTE 6.3DME at or above 3000FT.
Contact KANSAS APP.

Timing not authorized for defining the MAPt.



| | | | | | | | |
|--|------------|-----|-----|-----|-----|-----|------|
| | DME to IKT | 0.2 | 0.6 | 0.9 | 4.0 | 9.2 | 13.4 |
| | NM to THR | 0 | 0.5 | 0.7 | 3.9 | 9.1 | 13.2 |

Missed APCH climb gradient MNM 5.0%

| MINIMA | | | | | | |
|---------------|-----------|-------------|--------------|-------------|------------|------------|
| THR elev. 586 | | | AD elev. 607 | | | |
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 786 (200) | 550 | 920 (334) | 900 | 1140 (533) | 1600 |
| B | | | | 1000 | | |
| C | | | | | 1310 (703) | 2400 |
| D | | | | | 1400 | 1350 (743) |

Circling to NORTH side of RWY only.
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : HDG

INSTRUMENT APPROACH CHART

RJOT / TAKAMATSU

ILS Y or LOC Y RWY26

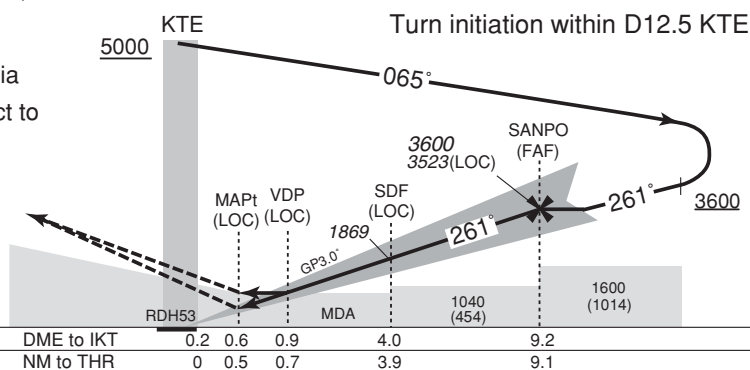
| | | | |
|-------------------------------------|---|----------------------------------|---------------------------|
| KANSAI APP 121.2 – 120.4 – 261.2 | ILS LOC 109.7 IKT ILS-GP 333.2 ILS-DME CH-34 | TAKAMATSU TOWER 118.3 – 126.2 | RADAR AVBL ATIS 127.45 |
|-------------------------------------|---|----------------------------------|---------------------------|



MISSED APPROACH

Climb to 1000FT on HDG261°, turn right, via KTE R306 to KTE 6.3DME, turn right, direct to KTE VOR/DME and hold at 5000FT.
Cross KTE 6.3DME at or above 3000FT.
Contact KANSAI APP.

Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 5.0%

| MINIMA | | THR elev. 586 | | AD elev. 607 | | |
|--------|-----------|---------------|-----------|--------------|------------|------------|
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 786 (200) | 550 | 920 (334) | 900 | 1140 (533) | 1600 |
| B | | | | 1000 | | |
| C | | | | | 1310 (703) | 2400 |
| D | | | | | 1400 | 1350 (743) |

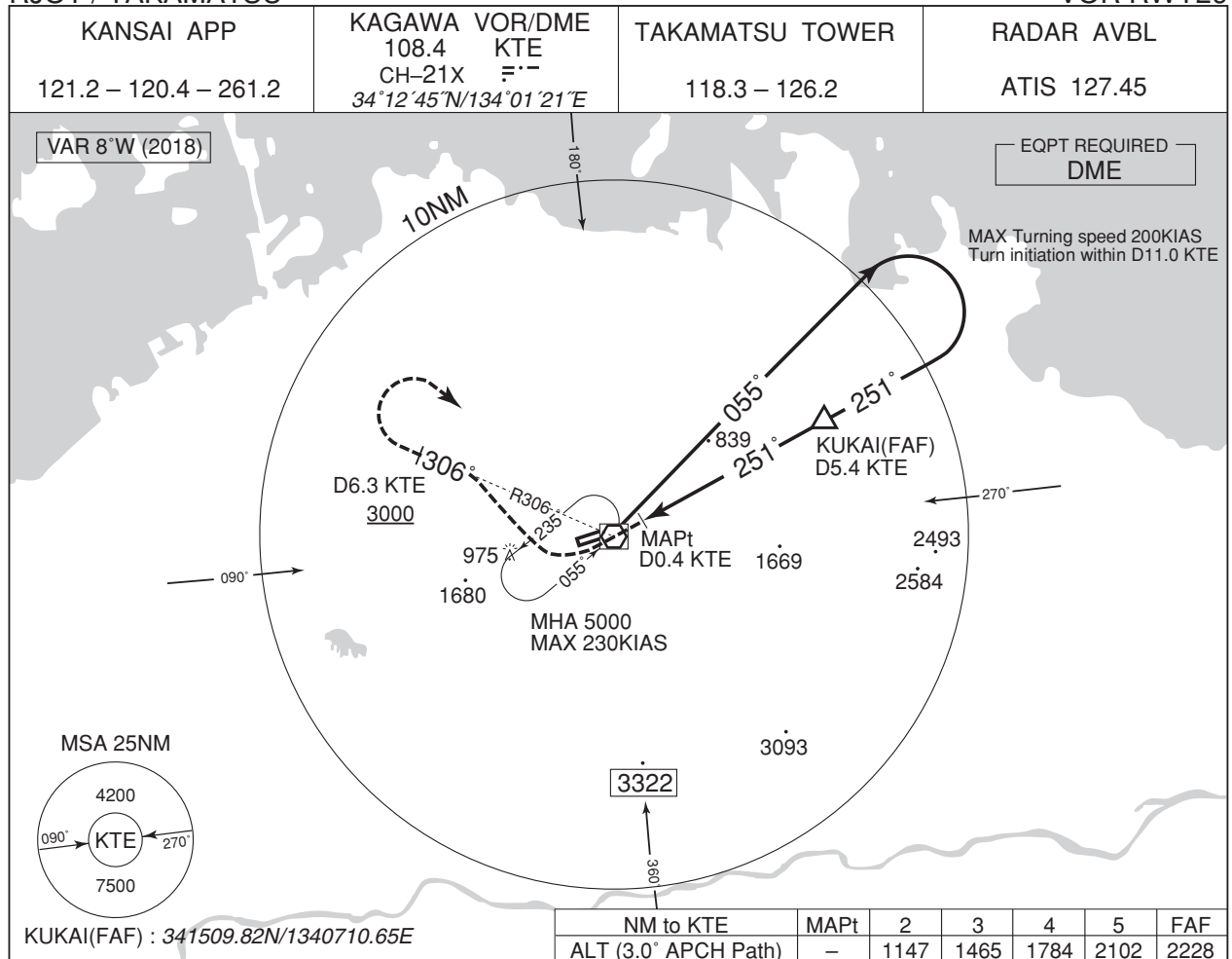
Circling to NORTH side of RWY only.

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

INSTRUMENT APPROACH CHART

RJOT / TAKAMATSU

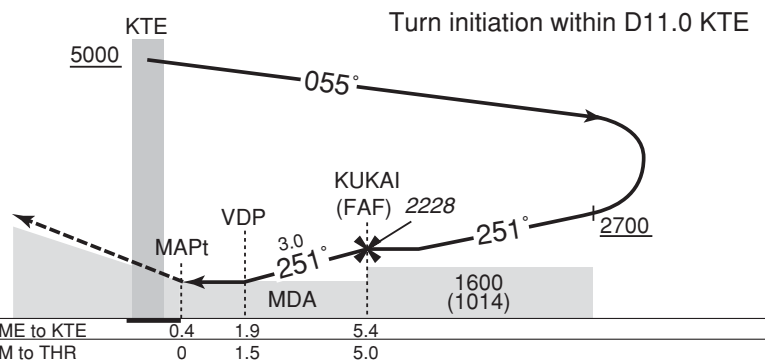
VOR RWY26



MISSED APPROACH

Climb to 1300FT via KTE R251, turn right, via KTE R306 to KTE 6.3DME, turn right, direct to KTE VOR/DME and hold at 5000FT.
Cross KTE 6.3DME at or above 3000FT.
Contact KANSAI APP.

Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 5.0%

| MINIMA | | THR elev. 586 | AD elev. 607 | |
|--------|------------|---------------|--------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 1140 (554) | 1000 | 1140 (533) | 1600 |
| B | | 1200 | | |
| C | | | 1310 (703) | 2400 |
| D | | 1600 | 1350 (743) | 3200 |

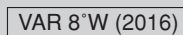
Circling to NORTH side of RWY only.

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

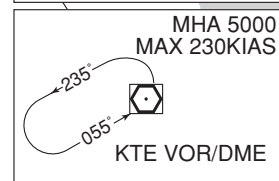
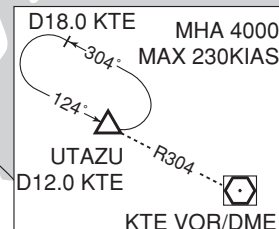
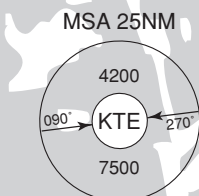
CHANGE : Update

RJOT / TAKAMATSU

VOR A



— EQPT REQUIRED
DME



FUCHU(FAF) : 341551.38N/1335345.09E



Climb via KTE R065 to 6.0DME,
turn left, direct to KTE VOR/DME
and hold at 5000FT.
Contact KANSAI APP.

Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 5.0%

| MINIMA | | AD elev. 607 |
|--------|------------|--------------|
| CAT | CIRCLING | |
| | MDA(H) | VIS |
| A | 1060 (453) | 1600 |
| B | | |
| C | 1280 (673) | 2400 |
| D | | 3200 |

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : MSA

RJOT / TAKAMATSU

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).

| Call sign | BRG / DIST from ARP | Remarks |
|------------------|---------------------|---|
| 高松 Takamatsu | 012°T / 8.9NM | 高松港 Harbor |
| 志度 Shido | 051°T / 10.1NM | JR志度駅 JR Station |
| 坂出 Sakaide | 307°T / 9.9NM | JR坂出駅 JR Station |
| 檀紙 Danshi | 353°T / 5.5NM | 高松檀紙IC Interchange |
| 林 Hayashi | 037°T / 5.3NM | 由良山 Mt. Yura |
| 滝宮 Takinomiya | 294°T / 5.1NM | 琴平電鉄滝宮駅 Station |
| 琴平 Kotohira | 262°T / 9.8NM | JR琴平駅 JR Station |
| 琴南 Kotonami | 226°T / 4.3NM | 四国電力開閉所 Switch station of Electric Power |
| 塩江 Shionoe | 138°T / 4.2NM | 内場池 Pond of Naiba |

注：有視界飛行方式により高松空港に着陸しようとする航空機又は高松航空交通管制圏を通過しようとする航空機は、東方向から進入する場合は、志度ポイント上空で、西方向から進入する場合は、坂出ポイント又は琴平ポイント上空で、北方向から進入する場合は、高松ポイント上空において高松タワーに連絡すること。

NOTE : When VFR flight is going to enter the control zone for landing or passing through, the pilot should contact with the control tower over;
SHIDO in case of coming from east/
SAKAIDE or KOTOHIRA in case of coming from west/
TAKAMATSU in case of coming from north.

RJOT / TAKAMATSU

LDG CHART



RJOT / TAKAMATSU

Minimum Vectoring Altitude CHART

