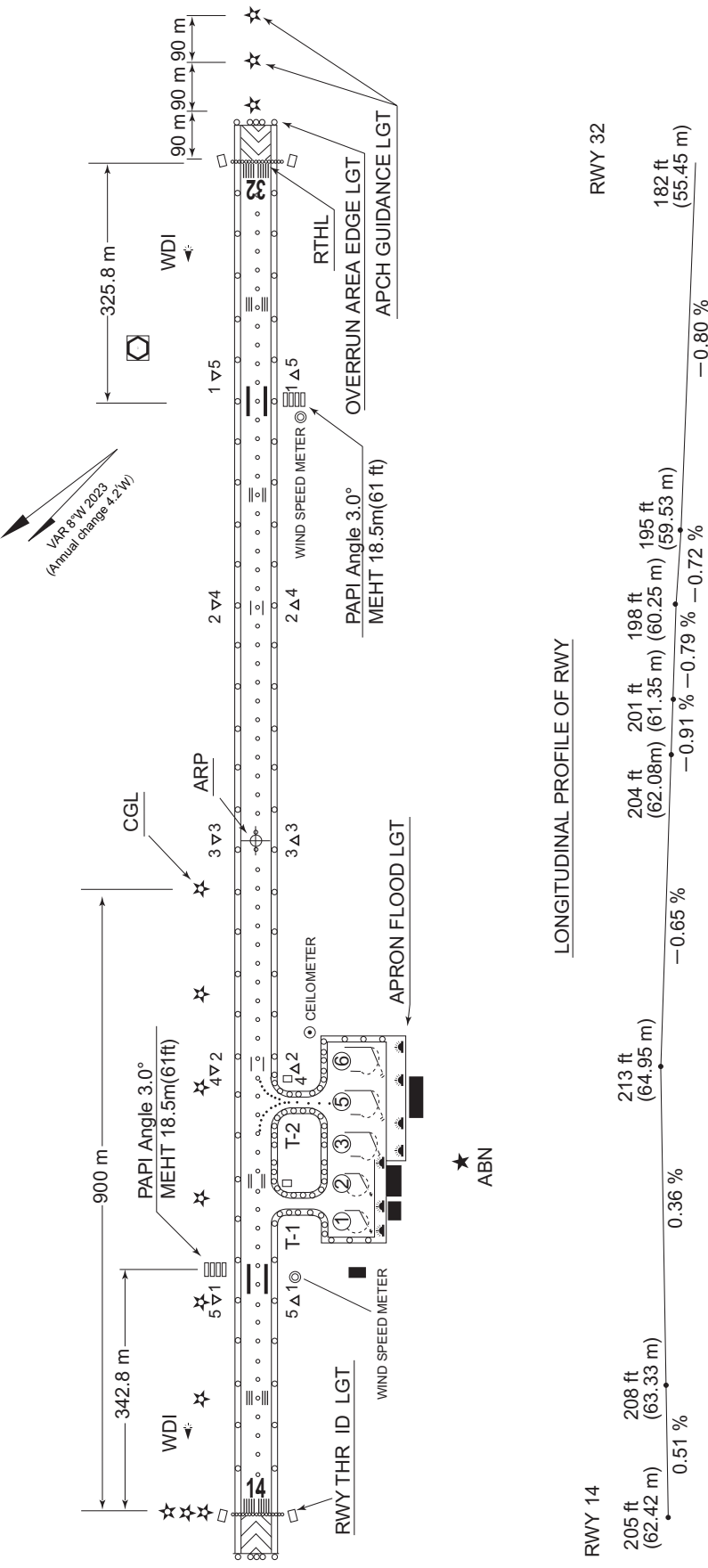


RJDT / TSUSHIMA

AD CHART

CHANGE : WIND SPEED METER, CEILOMETER added.

TSUSHIMA AP



LONGITUDINAL PROFILE OF RWY

| REMARKS | RWY GROOVING | 30m x 1900m |
|---------|--------------|-------------|
|         | WIDTH OF TWY | T-1 T-2 23m |

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STANDARD DEPARTURE CHART - INSTRUMENT

RJDT / TSUSHIMA

SID

IKISHIMA SEVEN DEPARTURE

RWY 14 : Climb RWY HDG to 900FT,...

RWY 32 : Climb RWY HDG to 900FT, turn right HDG 199°,...

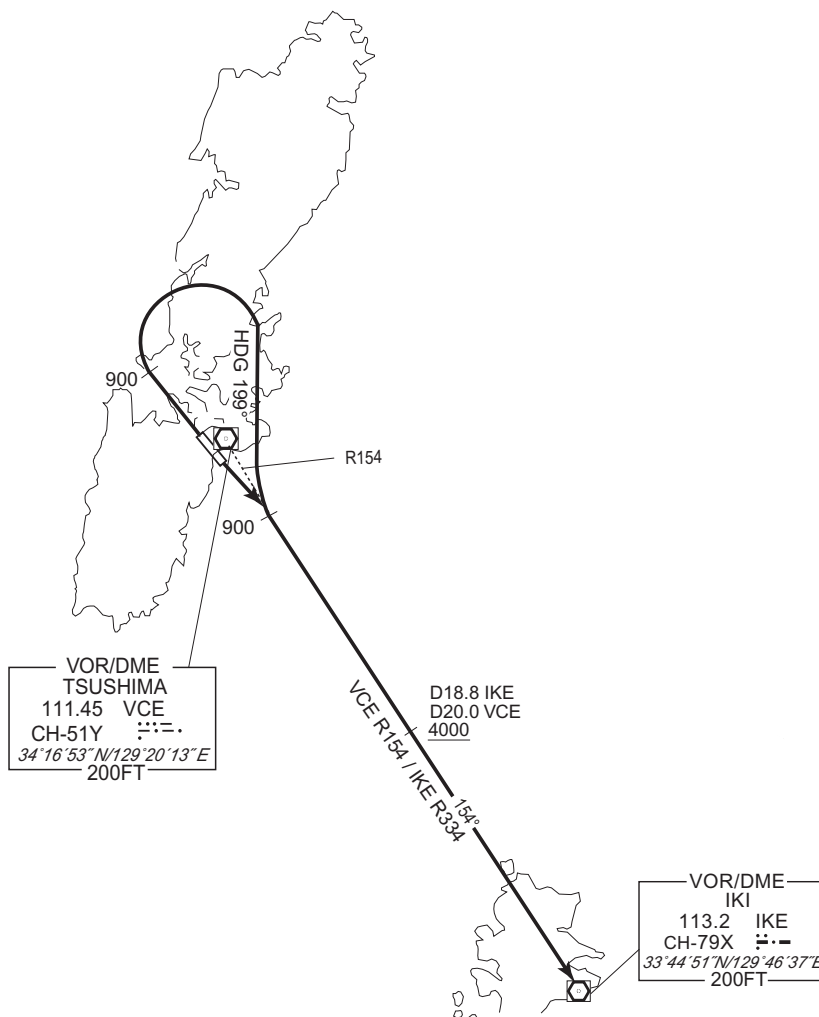
...to intercept and proceed via VCE R154/IKE R334 to IKE VOR/DME.

Cross IKE R334/18.8DME(VCE R154/20.0 DME) at or above 4000FT.

Note RWY 32 : 5.2% climb gradient required up to 900FT.

OBST ALT 262FT located at 0.2NM 292° FM end of RWY 32.

CHANGE : LAGER FOUR DEPARTURE abolished.



STANDARD DEPARTURE CHART - INSTRUMENT

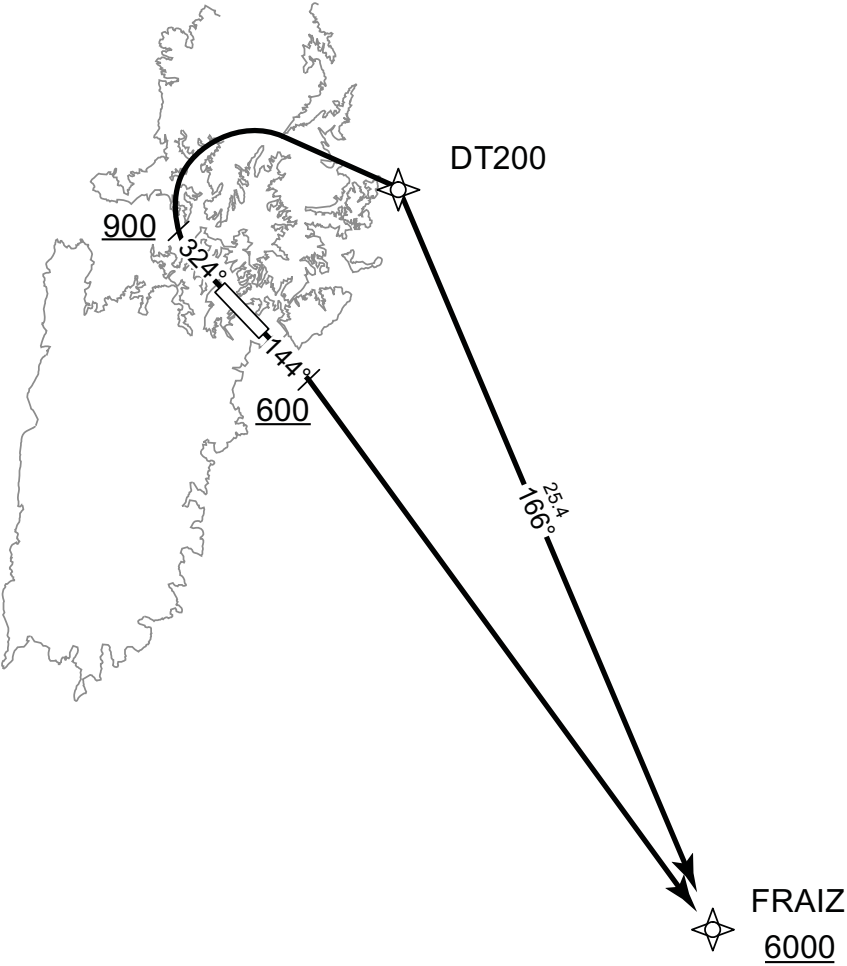
RJDT / TSUSHIMA

RNAV SID

|                     |      |
|---------------------|------|
| FRAIZ ONE DEPARTURE | RNP1 |
|---------------------|------|

Note GNSS required.

VAR 8°W



RWY14 : Climb on HDG144° at or above 600FT, turn right direct to FRAIZ at or above 6000FT.

RWY32 : Climb on HDG324° at or above 900FT, turn right direct to DT200, to FRAIZ at or above 6000FT.

Note RWY32 :5.2% climb gradient required up to 900FT.  
OBST ALT 262FT located at 0.2NM 292° FM end of RWY32.

STANDARD DEPARTURE CHART - INSTRUMENT

RJDT / TSUSHIMA

RNAV SID

FRAIZ ONE DEPARTURE

RWY14

| 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              | -                   | -        | 144<br>(136.2) | -8.2               | -             | -              | +600          | -            | -              | RNP1                     |
| 002           | DF              | FRAIZ               | -        | -              | -8.2               | -             | R              | +6000         | -            | -              | RNP1                     |

RWY32

| 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              | -                   | -        | 324<br>(316.2) | -8.2               | -             | -              | +900          | -            | -              | RNP1                     |
| 002           | DF              | DT200               | -        | -              | -8.2               | -             | R              | -             | -            | -              | RNP1                     |
| 003           | TF              | FRAIZ               | -        | 166<br>(157.4) | -8.2               | 25.4          | -              | +6000         | -            | -              | RNP1                     |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            |
|---------------------|------------------------|
| DT200               | 342114.7N / 1292521.1E |
| FRAIZ               | 335748.9N / 1293707.1E |

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART - INSTRUMENT

RJDT / TSUSHIMA

RNAV STAR

|               |      |
|---------------|------|
| OMDUK ARRIVAL | RNP1 |
|---------------|------|

Note GNSS required.

VAR 8°W



From OMDUK at or above 4000FT, to AGATA at or above 3000FT.

| 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              | OMDUK               | —        | —             | -8.1               | —             | —              | +4000         | —            | —              | RNP1                     |
| 002           | TF              | AGATA               | —        | 337 (328.5)   | -8.1               | 5.0           | —              | +3000         | —            | —              | RNP1                     |

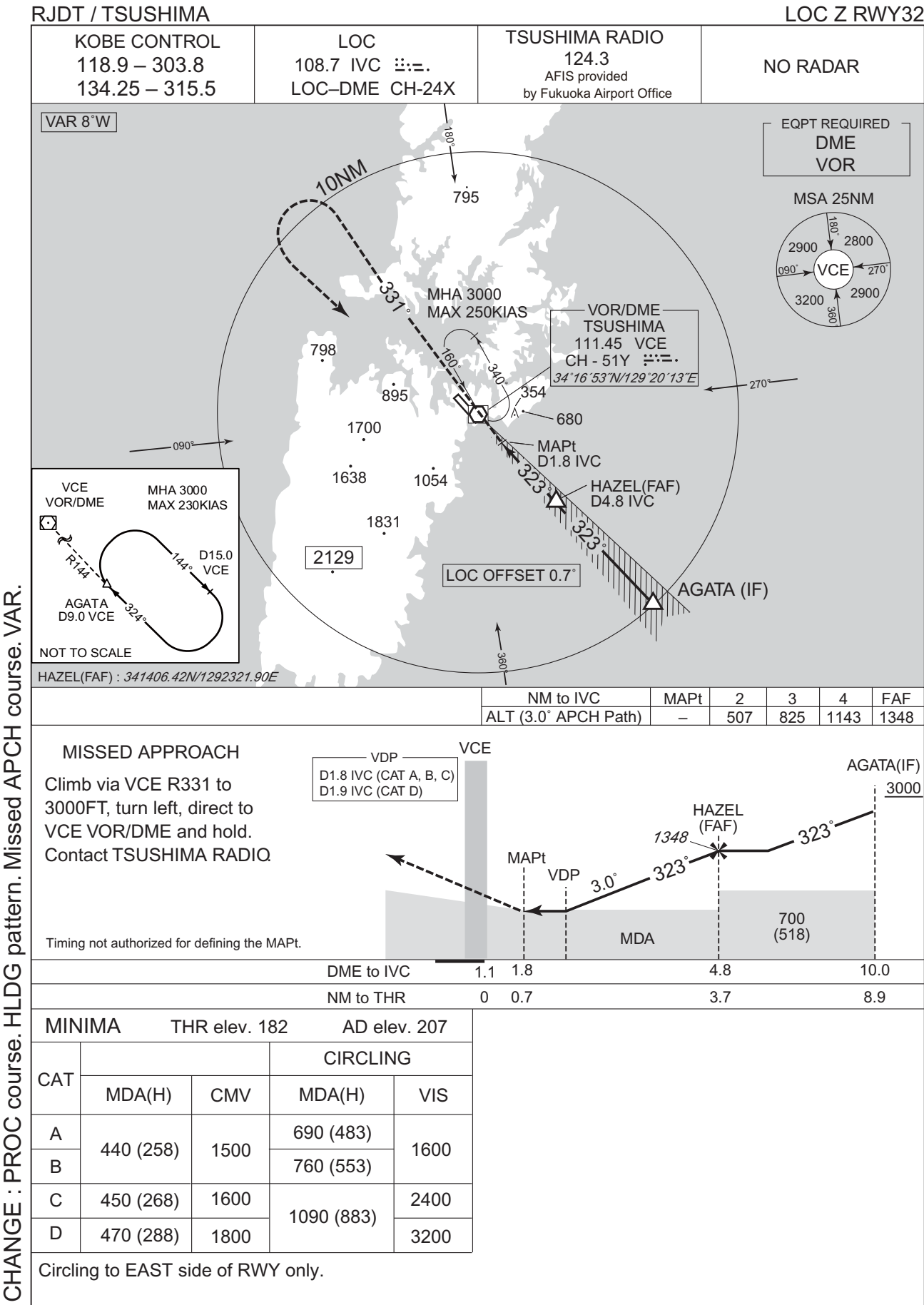
Waypoint Coordinates

| Waypoint Identifier | Coordinates            |
|---------------------|------------------------|
| OMDUK               | 340607.4N / 1293057.4E |
| AGATA               | 341023.4N / 1292747.8E |

CHANGE : Waypoint Coordinates added.

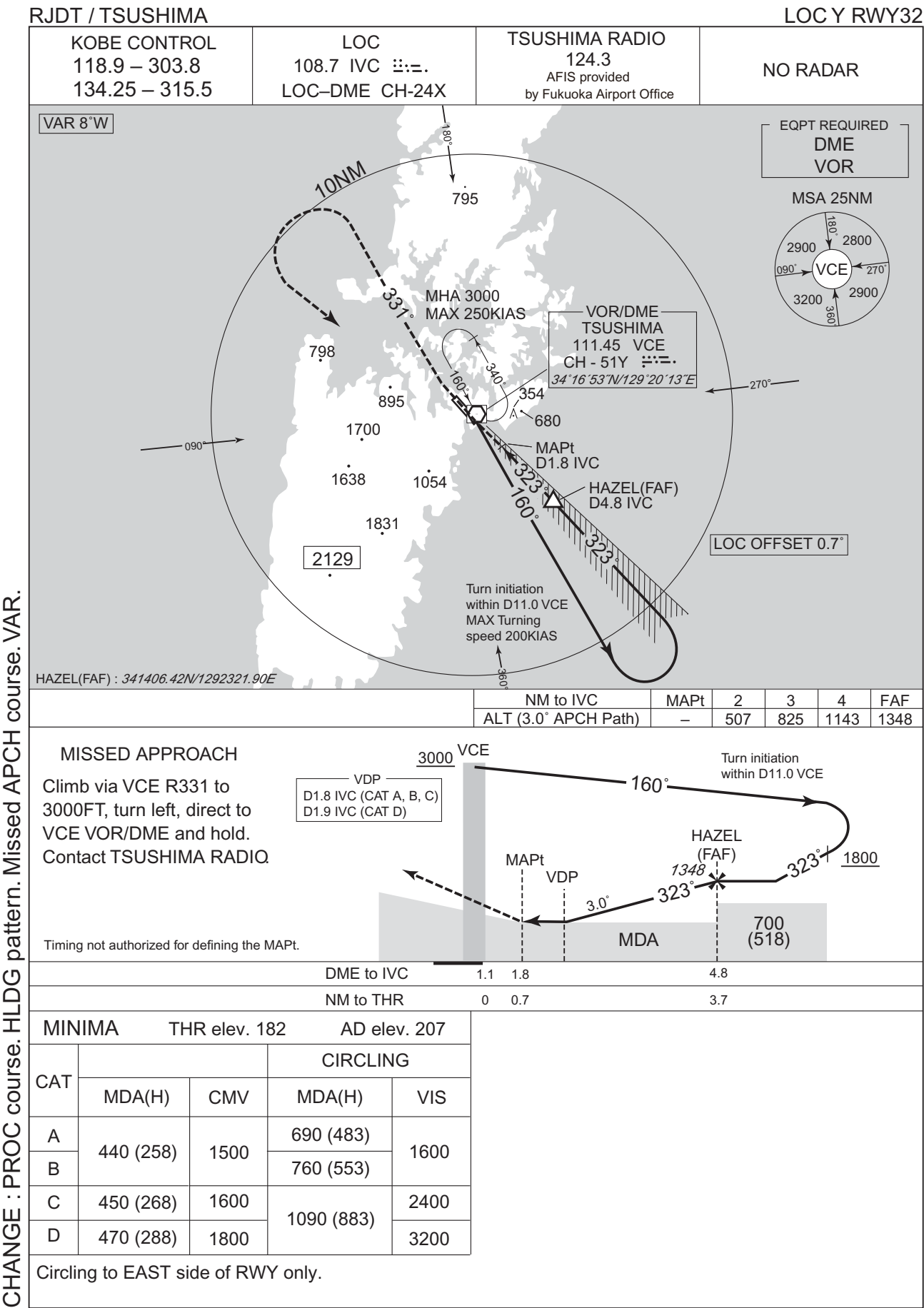
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INSTRUMENT APPROACH CHART





INSTRUMENT APPROACH CHART

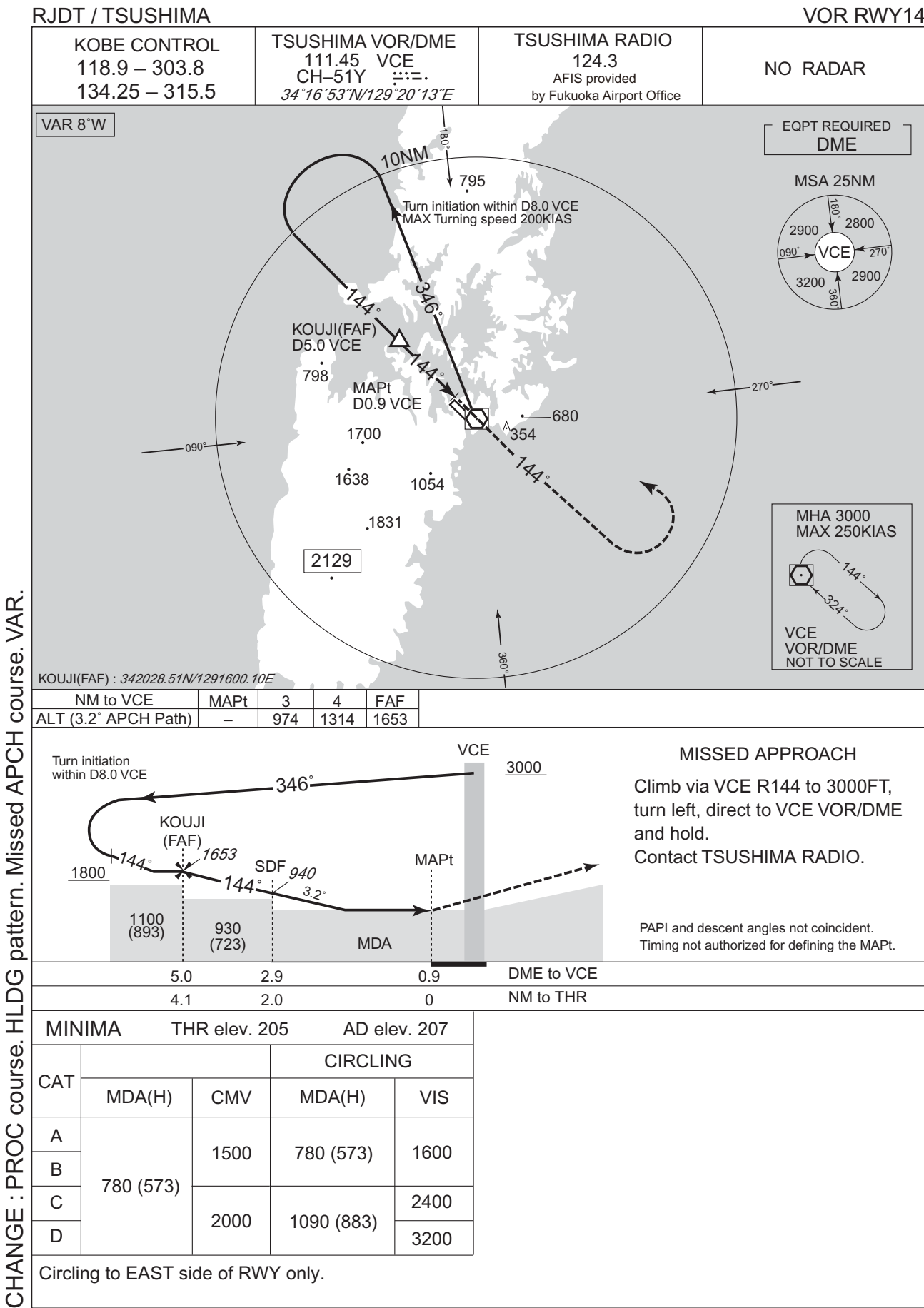


## CHANGE : PROC course. HLDG pattern. Missed APCH course. VAR.

VOR RWY32

Civil Aviation Bureau,Japan (EFF:3 OCT 2024) 5/9/24

INSTRUMENT APPROACH CHART



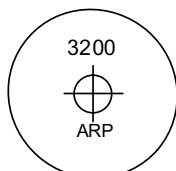
## RJD/TSUSHIMA

RNP RWY 32

Baro-VNAV not authorized below 0°C

VAR 8°W

MSA 25NM



ARP:341706N / 1291950E

AGATA 341023.44N  
(IAF/MAHF) 1292747.82E

DT250 341221.82N  
(IF) 1292519.36E

OMLAK 341431.77N  
(FAF) 1292248 63E

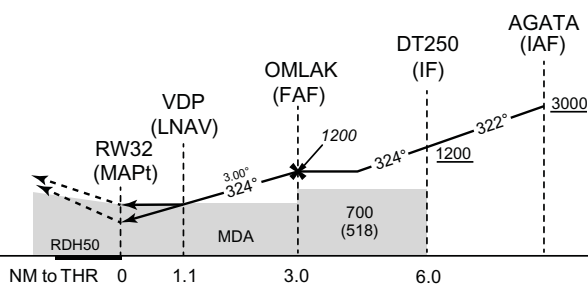
RW32 341643.41N  
(MAPt) 1292015.77E

DT251 341853.31N  
(MATF) 1291744.74E

|                        |      |     |      |      |
|------------------------|------|-----|------|------|
| NM to Next Fix         | MAPt | 2   | 3    | FAF  |
| ALT ( 3.0° APCH Path ) | —    | 868 | 1186 | 1200 |

### MISSED APPROACH

Direct to DT251, turn right, direct to  
AGATA and hold at 3000FT.  
Contact TSUSHIMA RADIO.



Missed APCH climb gradient MNM 5 .0%

| MINIMA |          | THR elev.182 |           | AD elev.207 |          |      |           |      |
|--------|----------|--------------|-----------|-------------|----------|------|-----------|------|
| CAT    | LPV      |              | LNAV/VNAV |             | LNAV     |      | CIRCLING  |      |
|        | DA(H)    | CMV          | DA(H)     | CMV         | MDA(H)   | CMV  | MDA(H)    | VIS  |
| A      | 470(288) | 1500         | 580(398)  | 1500        | 580(398) | 1500 | 690(483)  | 1600 |
| B      | 480(298) |              |           |             |          |      | 760(553)  |      |
| C      | 490(308) | 1800         |           | 1800        |          | 1800 | 1090(883) | 2400 |
| D      | 500(318) | 2000         |           | 2000        |          | 2000 |           | 3200 |

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

Circling to EAST side of RWY only.

CHANGE: HLDG pattern for using NAVAID abolished.

INSTRUMENT APPROACH CHART

RJDT / TSUSHIMA

RNP RW Y32

FAS DATA BLOCK

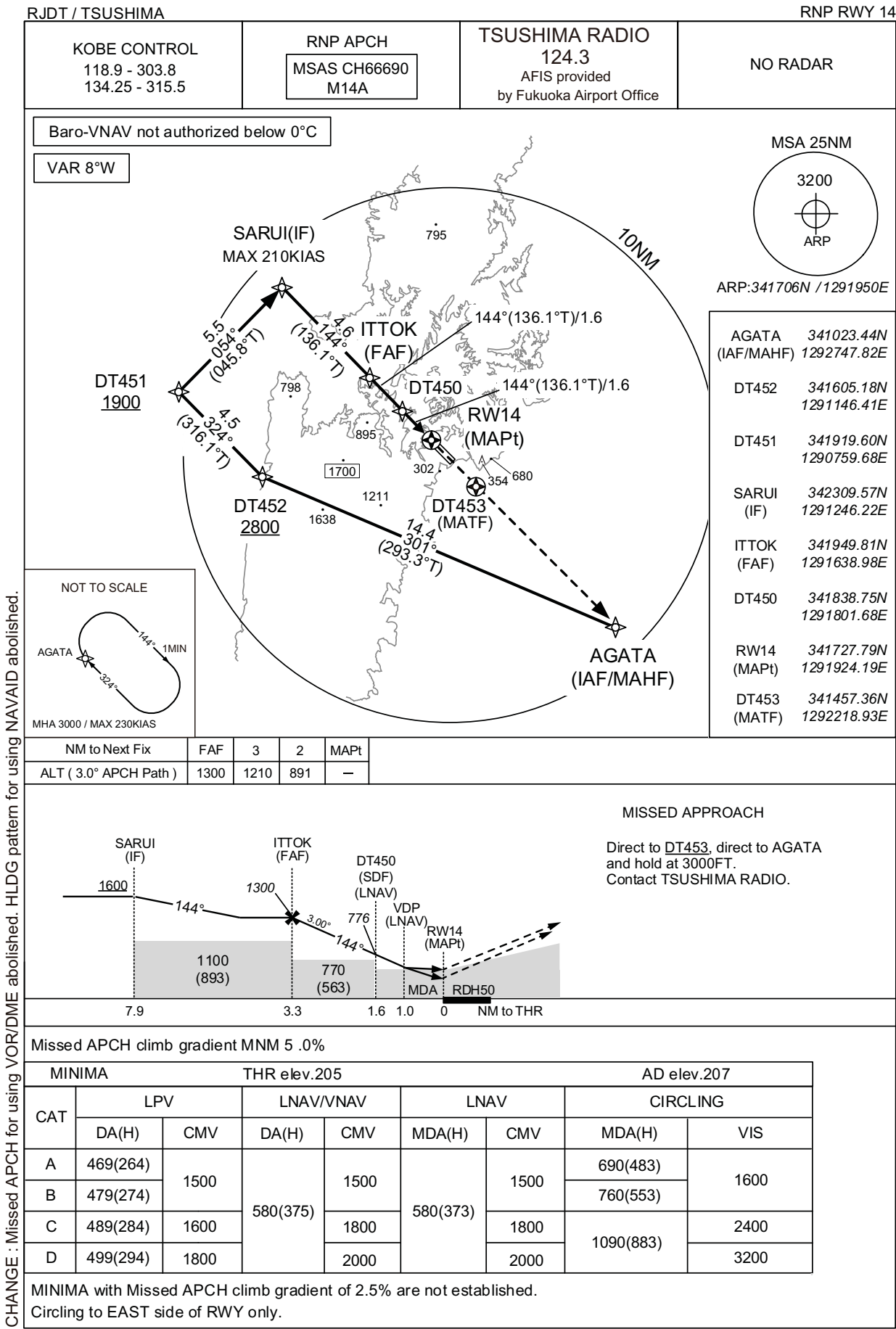
|                                  |               |                            |               |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type                   | 0             | LTP/FTP ellipsoidal height | +00861        |
| SBAS service provider identifier | 2             | FPAP latitude              | 341727.7595N  |
| Airport identifier               | RJDT          | FPAP longitude             | 1291924.2050E |
| Runway                           | 32            | Threshold crossing height  | 00015.0       |
| Approach performance designator  | 0             | TCH units selector         | 1             |
| Route indicator                  |               | Glide path angle           | 03.00         |
| Reference path data selector     | 0             | Course width at threshold  | 105.00        |
| Reference path ID                | M32A          | ∟ length offset            | 0000          |
| LTP/FTP latitude                 | 341643.3790N  | HAL                        | 40.0          |
| LTP/FTP longitude                | 1292015.7765E | VAL                        | 50.0          |
| CRC remainder                    | EA5E957D      |                            |               |

Required additional data

|                            |      |
|----------------------------|------|
| LTP/FTP orthometric height | 55.4 |
|----------------------------|------|

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJDT / TSUSHIMA

RNP RWY14

FAS DATA BLOCK

|                                  |               |                            |               |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type                   | 0             | LTP/FTP ellipsoidal height | +00930        |
| SBAS service provider identifier | 2             | FPAP latitude              | 341643.3790N  |
| Airport identifier               | RJDT          | FPAP longitude             | 1292015.7765E |
| Runway                           | 14            | Threshold crossing height  | 00015.0       |
| Approach performance designator  | 0             | TCH units selector         | 1             |
| Route indicator                  |               | Glide path angle           | 03.00         |
| Reference path data selector     | 0             | Course width at threshold  | 105.00        |
| Reference path ID                | M14A          | ∟ length offset            | 0000          |
| LTP/FTP latitude                 | 341727.7595N  | HAL                        | 40.0          |
| LTP/FTP longitude                | 1291924.2050E | VAL                        | 50.0          |
| CRC remainder                    | 1534DDCD      |                            |               |

Required additional data

|                            |      |
|----------------------------|------|
| LTP/FTP orthometric height | 62.3 |
|----------------------------|------|

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

RJDT / TSUSHIMA

Visual REP

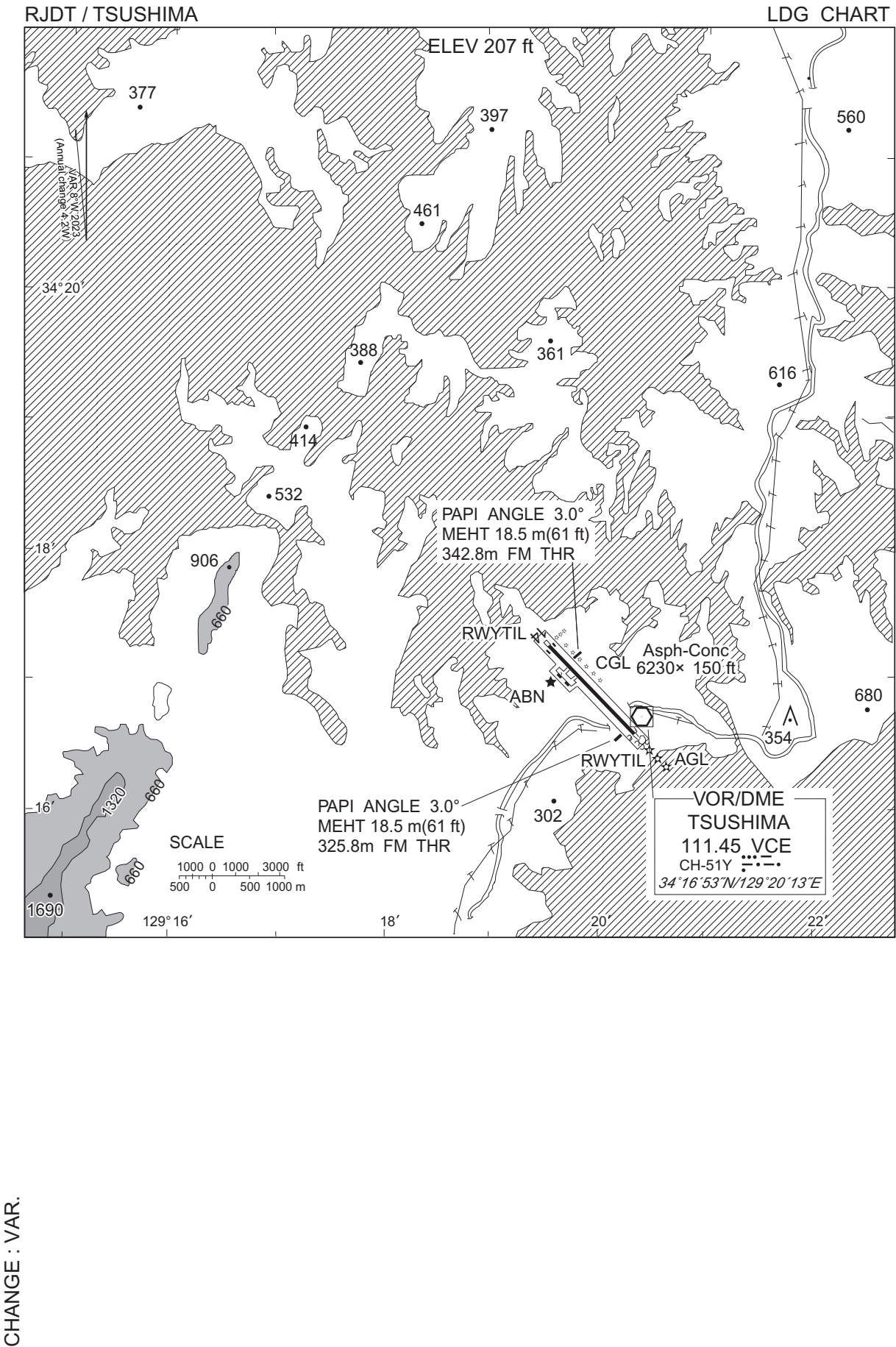


※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : VAR.

| Call sign           | BRG / DIST from ARP | Remarks            |
|---------------------|---------------------|--------------------|
| 長崎鼻<br>Nagasakibana | 023°T / 8.3NM       | 灯台<br>Lighthouse   |
| 厳原<br>Izuhara       | 200°T / 5.7NM       | 港<br>Harbor        |
| 10NM SE             | 135°T / 10.0NM      | 海上<br>Over the Sea |





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Minimum Vectoring Altitude CHART

