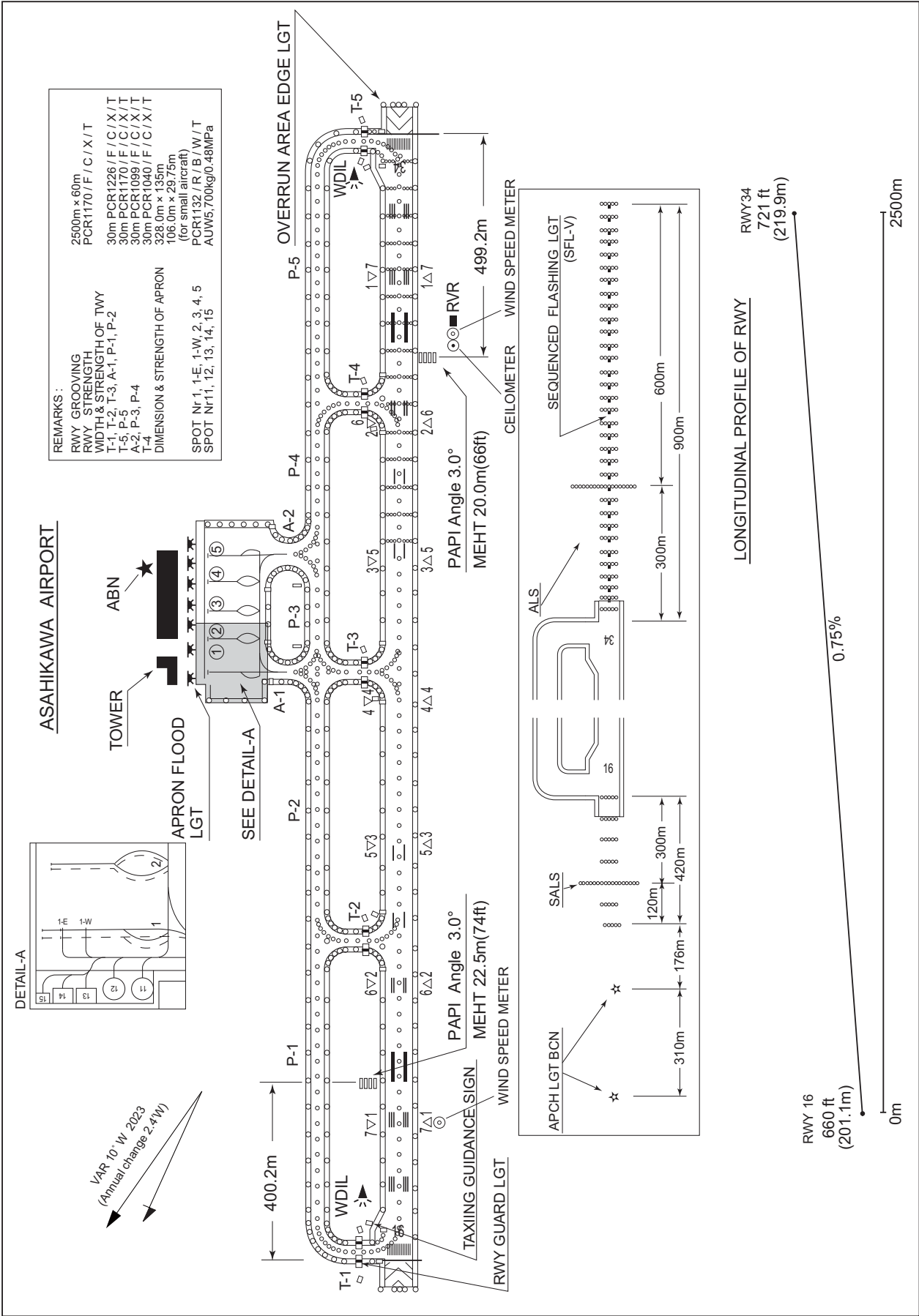


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AD CHART

CHANGE : Shape of terminal building.



STANDARD DEPARTURE CHART-INSTRUMENT

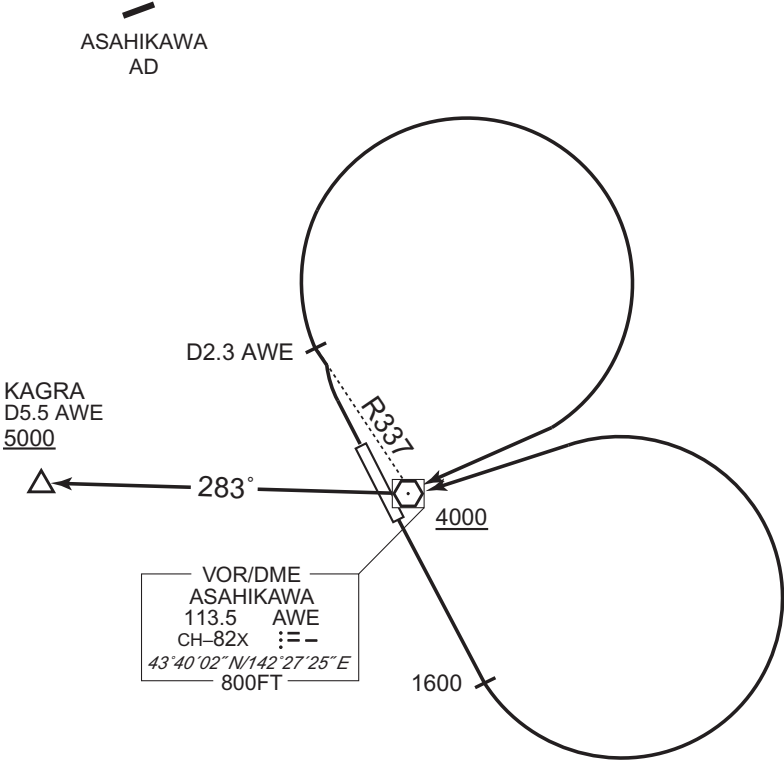
RJEC / ASAHIKAWA

SID

KAGRA FOUR DEPARTURE

RWY16 : Climb RWY HDG to 1600FT, turn left,...
RWY34 : Climb via AWE R337 to 2.3DME, turn right,...
...direct to AWE VOR/DME, via AWE R283 to KAGRA.
Cross AWE VOR/DME at or above 4000FT, cross KAGRA at or above 5000FT.

Note RWY16 : 5.3% climb gradient required up to 1600FT.
OBST ALT 1247FT located at 2.0NM 146° FM end of RWY16.
RWY34 : 5.0% climb gradient required up to 1000FT.
OBST ALT 696FT located at 1.4NM 021° FM end of RWY34.



CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART-INSTRUMENT

RJEC / ASAHIKAWA

SID

ASAHIKAWA REVERSAL FIVE DEPARTURE

RWY16 : Climb RWY HDG to 1600FT, turn left HDG320° to intercept and proceed ...

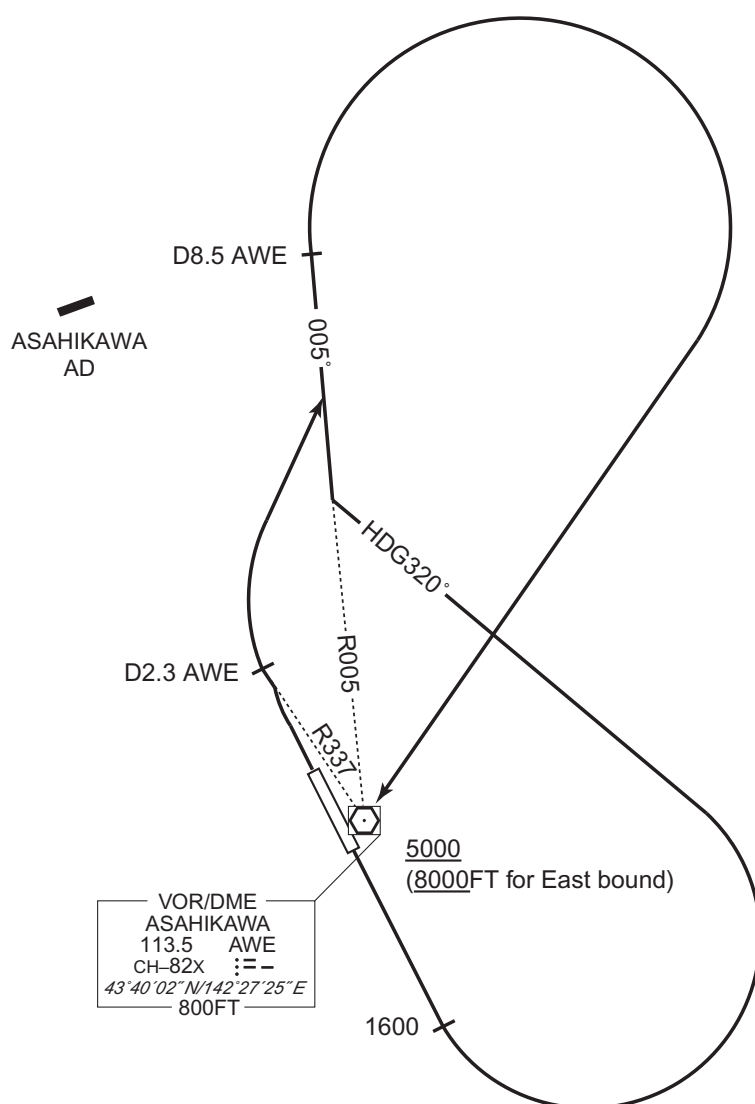
RWY34 : Climb via AWE R337 to 2.3DME, turn right,...

... via AWE R005 to 8.5DME, turn right, direct to AWE VOR/DME.

Cross AWE VOR/DME at or above 5000FT (8000FT for East bound).

Note RWY16 : 5.3% climb gradient required up to 1600FT.

OBST ALT 1247FT located at 2.0NM 146° FM end of RWY16.



CHANGE : Description of PROC name.

STANDARD ARRIVAL CHART-INSTRUMENT

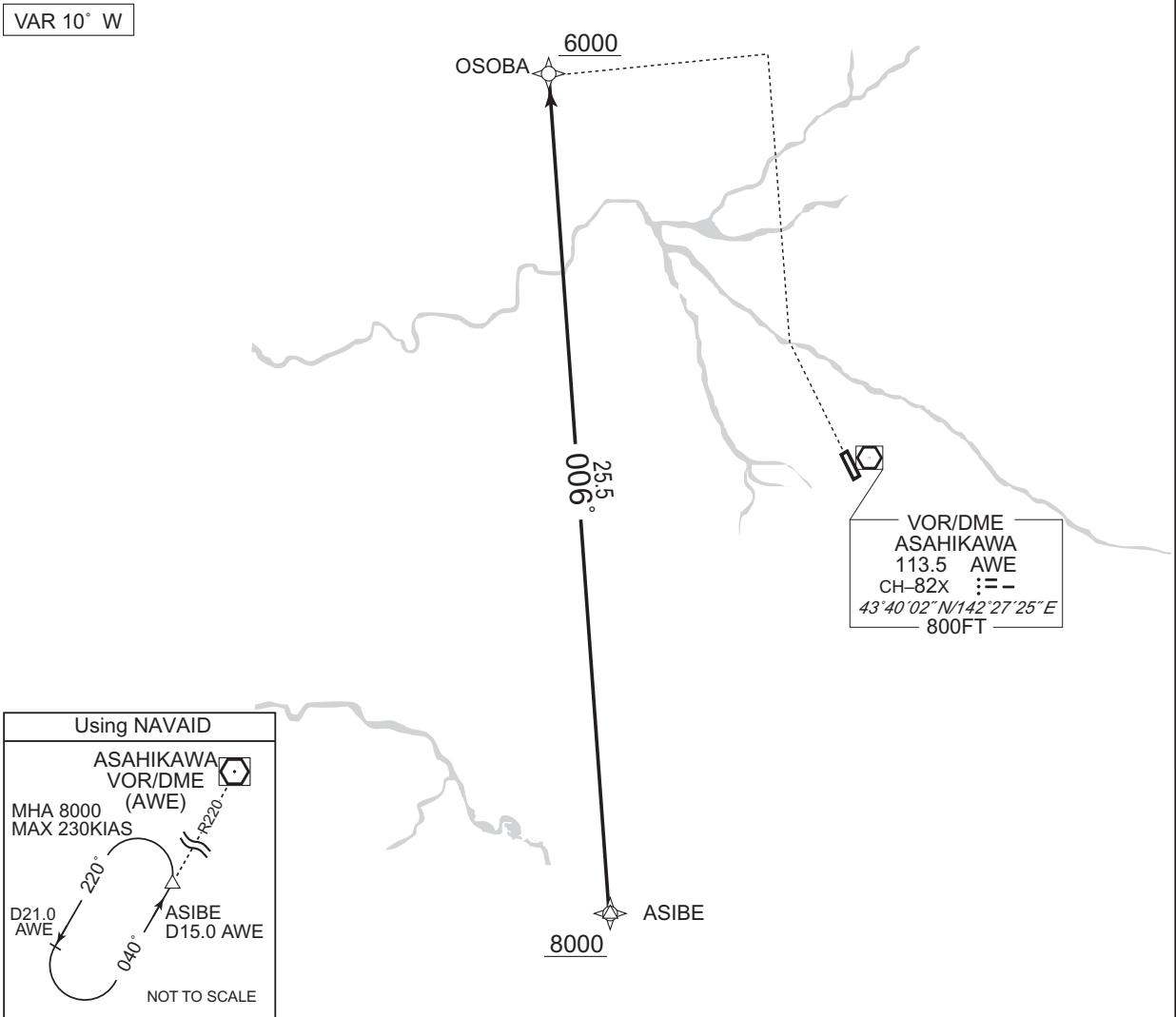
RJEC / ASAHIKAWA

RNAV STAR RWY16

OSOBA ARRIVAL

RNP1

Note GNSS required.



From ASIBE at or above 8000FT, to OSOBA at or above 6000FT.

| 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 | ASIBE | — | — | -9.9 | — | — | +8000 | — | — | RNP1 |
| 002 | TF | OSOBA | — | 006 (356.1) | -9.9 | 25.5 | — | +6000 | — | — | RNP1 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates |
|---------------------|------------------------|
| ASIBE | 432704.0N / 1421700.9E |
| OSOBA | 435228.9N / 1421435.5E |

CHANGE : VAR. Waypoint Coordinates added.

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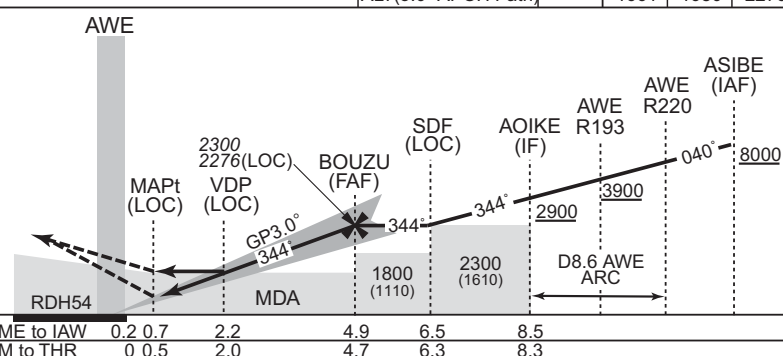
RJEC / ASAHIKAWA

ILS Z or LOC Z RWY34



Climb on HDG344° to 1200FT, turn right HDG085° to intercept and proceed via AWE R040 to 7.0DME, turn right, direct to AWE VOR/DME and hold at 5000FT. Contact HIDAKA APP.

No turn before IAW 0.7DME.
Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 5.0%

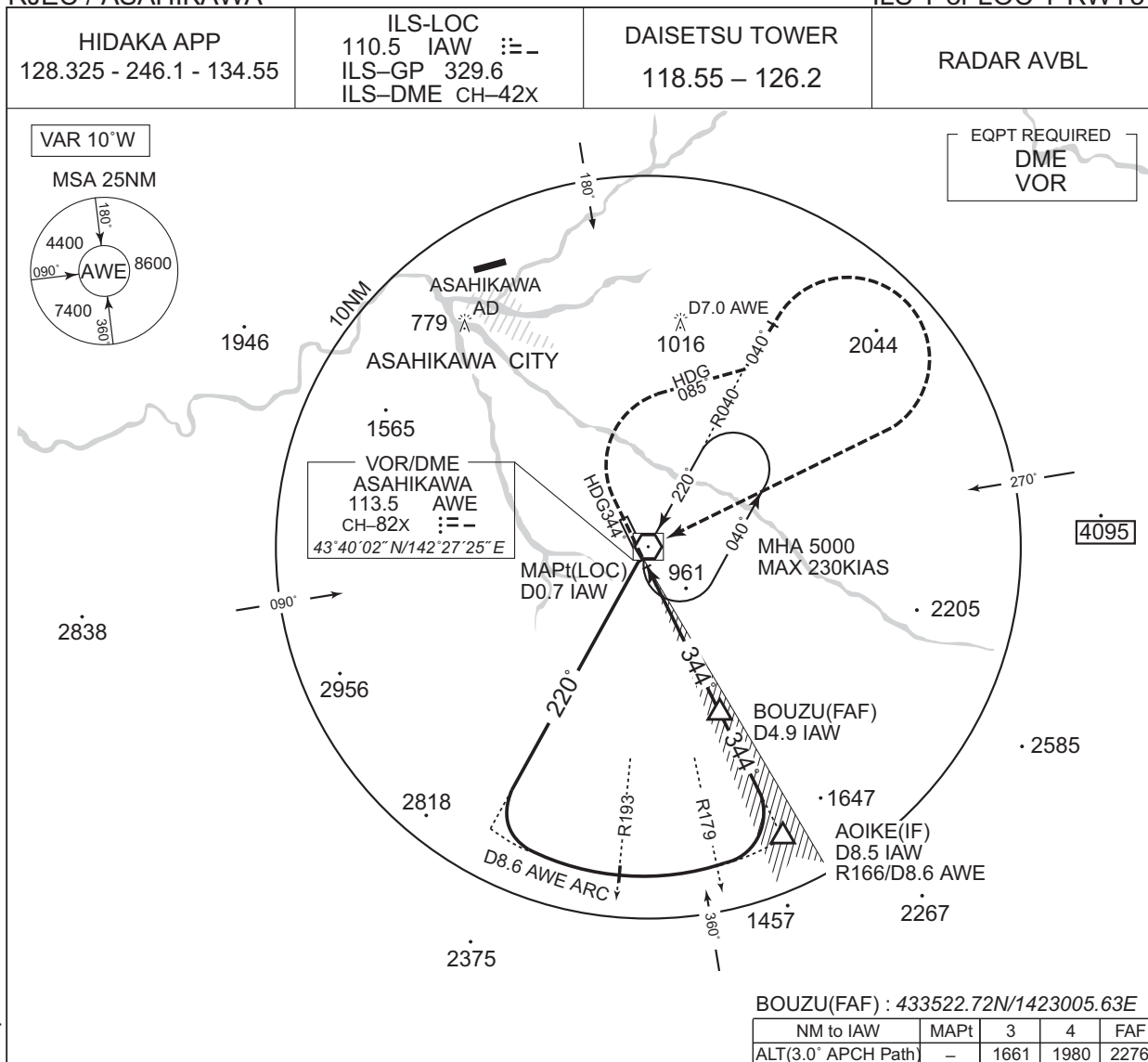
| | | | | | | |
|--------|----------|---------|---------------|---------|--------------|------|
| MINIMA | | | THR elev. 721 | | AD elev. 690 | |
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 921(200) | 550 | 1370(680) | 1200 | 1370(680) | 1600 |
| B | | | | 1400 | | |
| C | | | | 1800 | 1560(870) | 2400 |
| D | | | | | | |

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

INSTRUMENT APPROACH CHART

RJEC / ASAHIKAWA

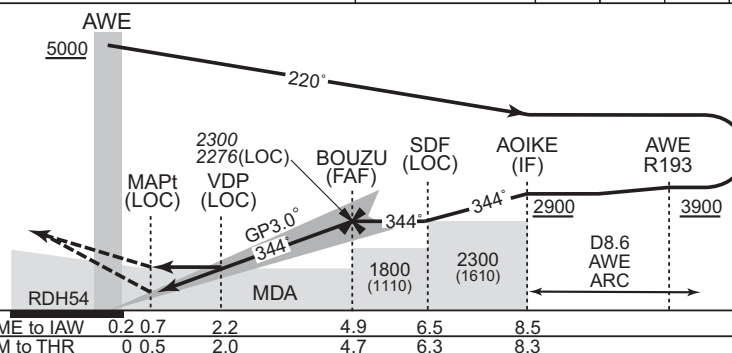
ILS Y or LOC Y RWY34



MISSED APPROACH

Climb on HDG344° to 1200FT, turn right HDG085° to intercept and proceed via AWE R040 to 7.0DME, turn right, direct to AWE VOR/DME and hold at 5000FT. Contact HIDAKA APP.

No turn before IAW 0.7DME.
Timing not authorized for defining the MAPt.



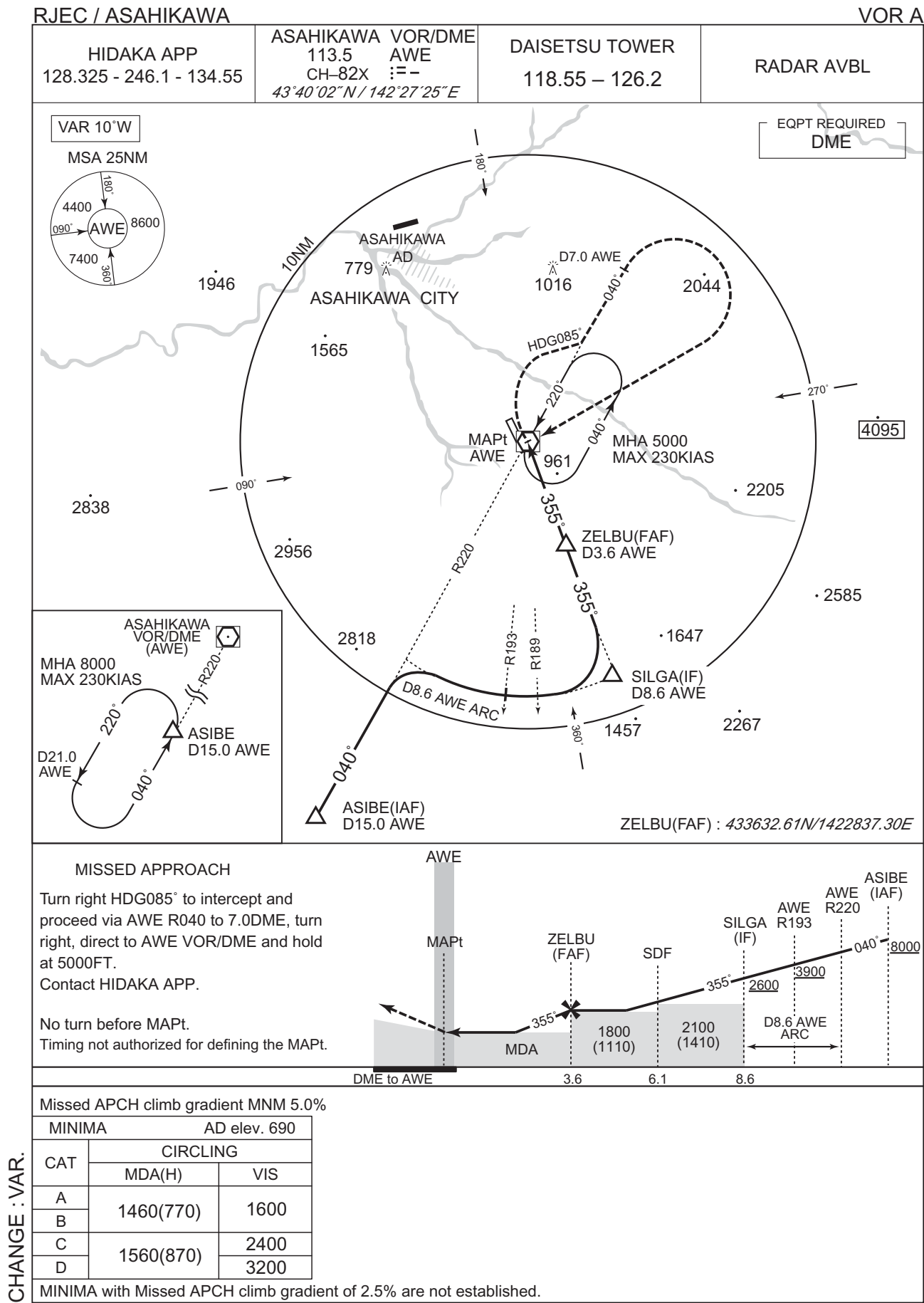
Missed APCH climb gradient MNM 5.0%

| MINIMA | | THR elev. 721 | | AD elev. 690 | | |
|--------|----------|---------------|-----------|--------------|-----------|------|
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 921(200) | 550 | 1370(680) | 1200 | 1370(680) | 1600 |
| B | | | | 1400 | | 2400 |
| C | | | | 1800 | 1560(870) | 3200 |
| D | | | | | | |

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

CHANGE: PROC course. ALT(3.0° APCH Path).

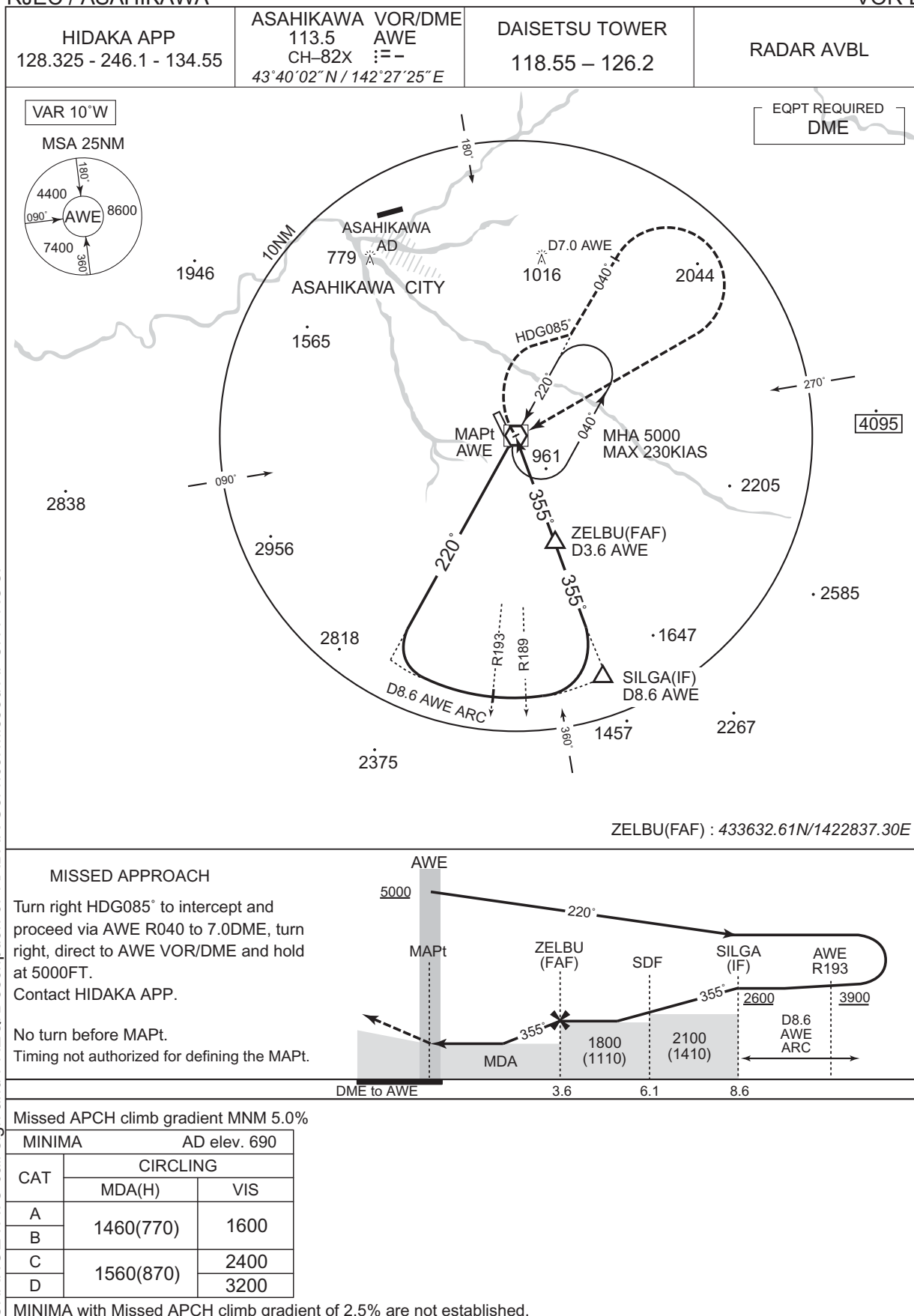
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

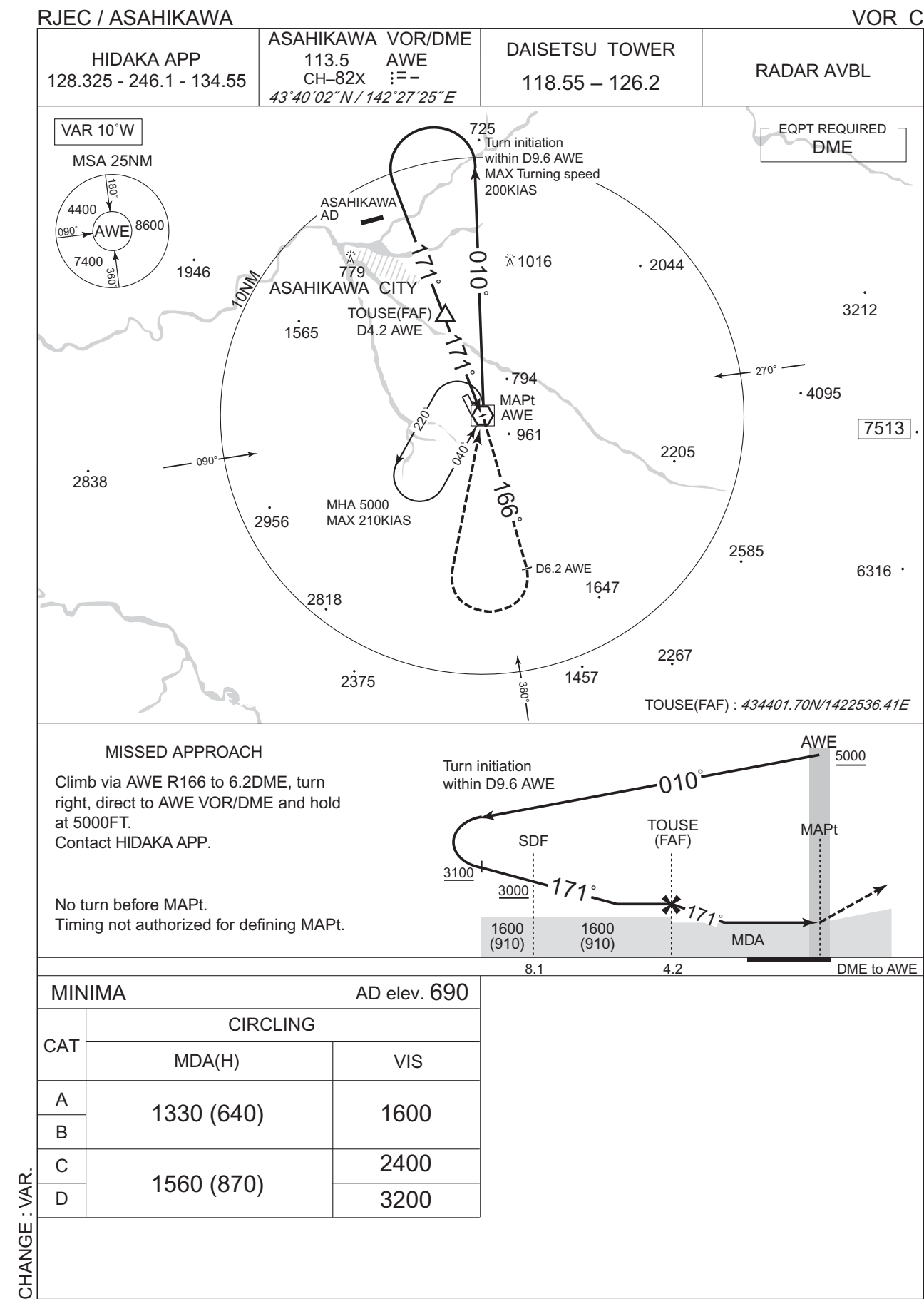
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VOR B



CHANGE : ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC.

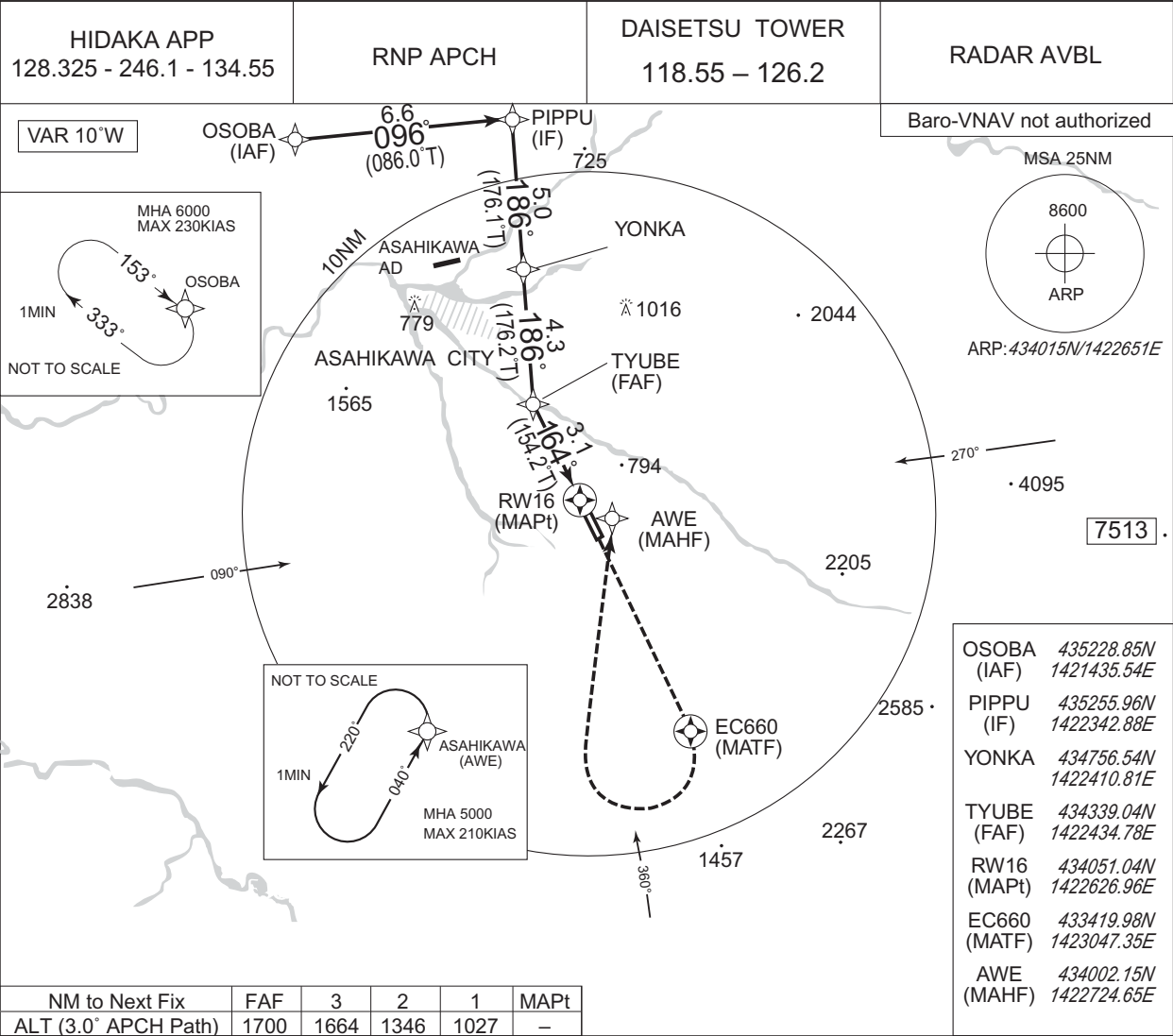
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

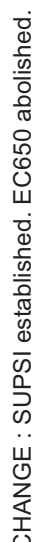
RJEC / ASAHIKAWA

RNP Z RWY16



RJEC / ASAHIKAWA

RNP Y RWY16(AR)



INSTRUMENT APPROACH CHART

RJEC / ASAHIKAWA

RNP Y RWY16(AR)

Coding Table

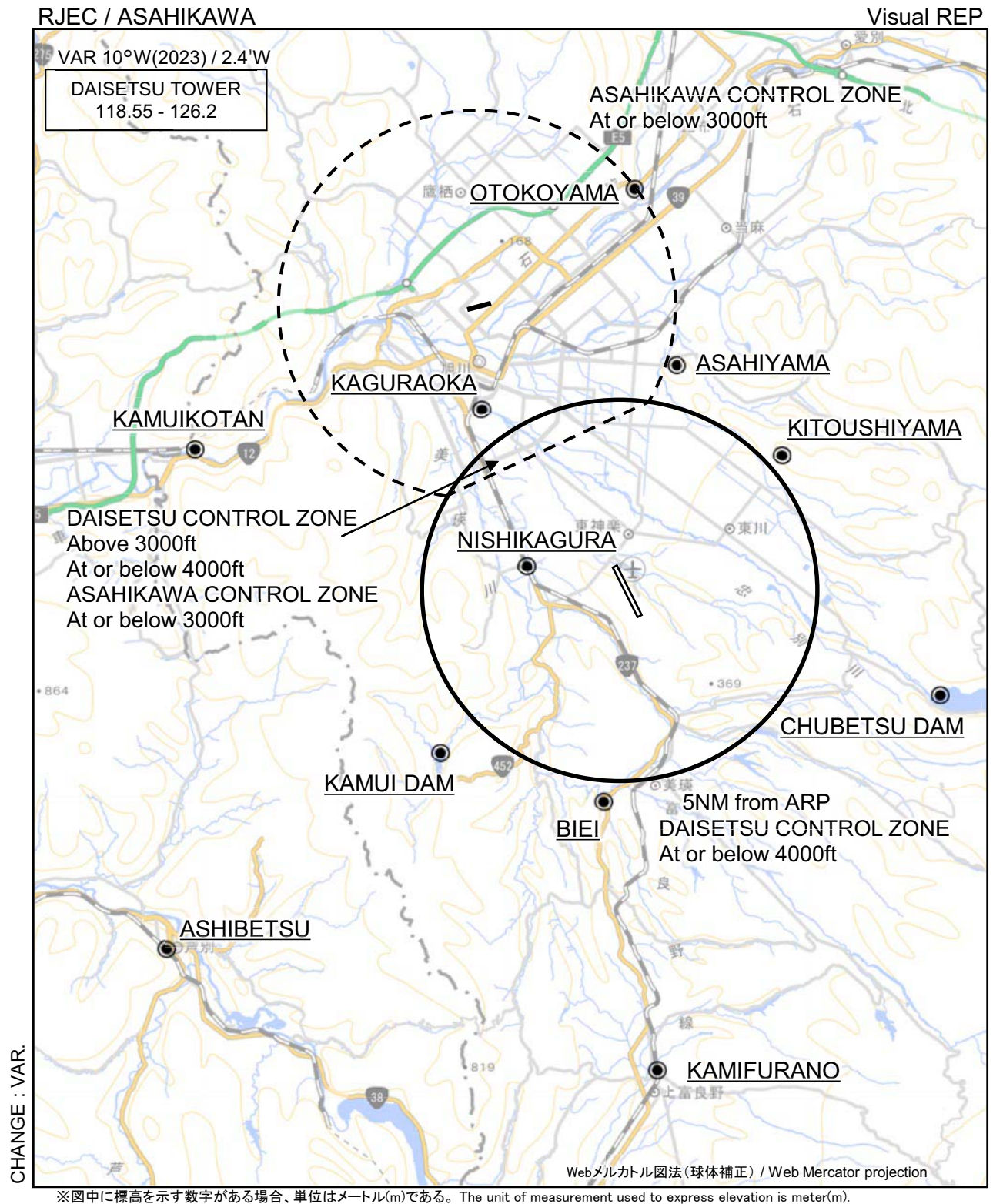
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/ RDH (°/FT) | RNP Value |
|---------------|------------------------------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|-----------------|-----------|
| 001 | IF | ASIBE | - | - | -9.9 | - | - | +8000 | - | - | - |
| 002 | TF | SUPSI | - | 040 (030.1) | -9.9 | 8.0 | - | +5000 | - | - | 1.0 |
| 003 | TF | GORYO | - | 353 (343.1) | -9.9 | 4.5 | - | 4000 | - | - | 1.0 |
| 004 | TF | EC651 | - | 353 (343.0) | -9.9 | 2.4 | - | 3249 | - | -3.00 | 0.30 |
| 005 | RF Center: ECRF1 r=1.98NM | EC652 | - | - | -9.9 | 2.8 | R | 2368 | - | -3.00 | 0.30 |
| 006 | TF | EC653 | - | 073 (063.0) | -9.9 | 0.6 | - | 2176 | - | -3.00 | 0.30 |
| 007 | RF Center: ECRF2 r=1.93NM | EC654 | - | - | -9.9 | 3.1 | R | 1200 | - | -3.00 | 0.30 |
| 008 | TF | RW16 | Y | 164 (154.2) | -9.9 | 1.5 | - | 710 | - | -3.00/50 | 0.30 |
| 009 | CF | EC660 | Y | 164 (154.2) | -9.9 | 7.2 | - | - | - | - | 1.0 |
| 010 | DF | AWE | - | - | -9.9 | - | R | 5000 | - | - | 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 | AWE | 040 (030.6) | -9.9 | 1.0 (-14000) | L | 5000 | FL140 | -210 (-14000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| ASIBE | 432703.98N / 1421700.93E | ECRF1 | 434104.78N / 1422225.25E |
| SUPSI | 433359.28N / 1422233.14E | ECRF2 | 434123.69N / 1422307.68E |
| GORYO | 433814.72N / 1422045.68E | | |
| EC651 | 434030.03N / 1421948.65E | | |
| EC652 | 434250.78N / 1422111.17E | | |
| EC653 | 434307.07N / 1422155.45E | | |
| EC654 | 434214.29N / 1422531.40E | | |
| RW16 | 434051.04N / 1422626.96E | | |
| EC660 | 433419.98N / 1423047.35E | | |
| AWE | 434002.15N / 1422724.65E | | |

CHANGE : VAR. SUPSI established. EC650 abolished.



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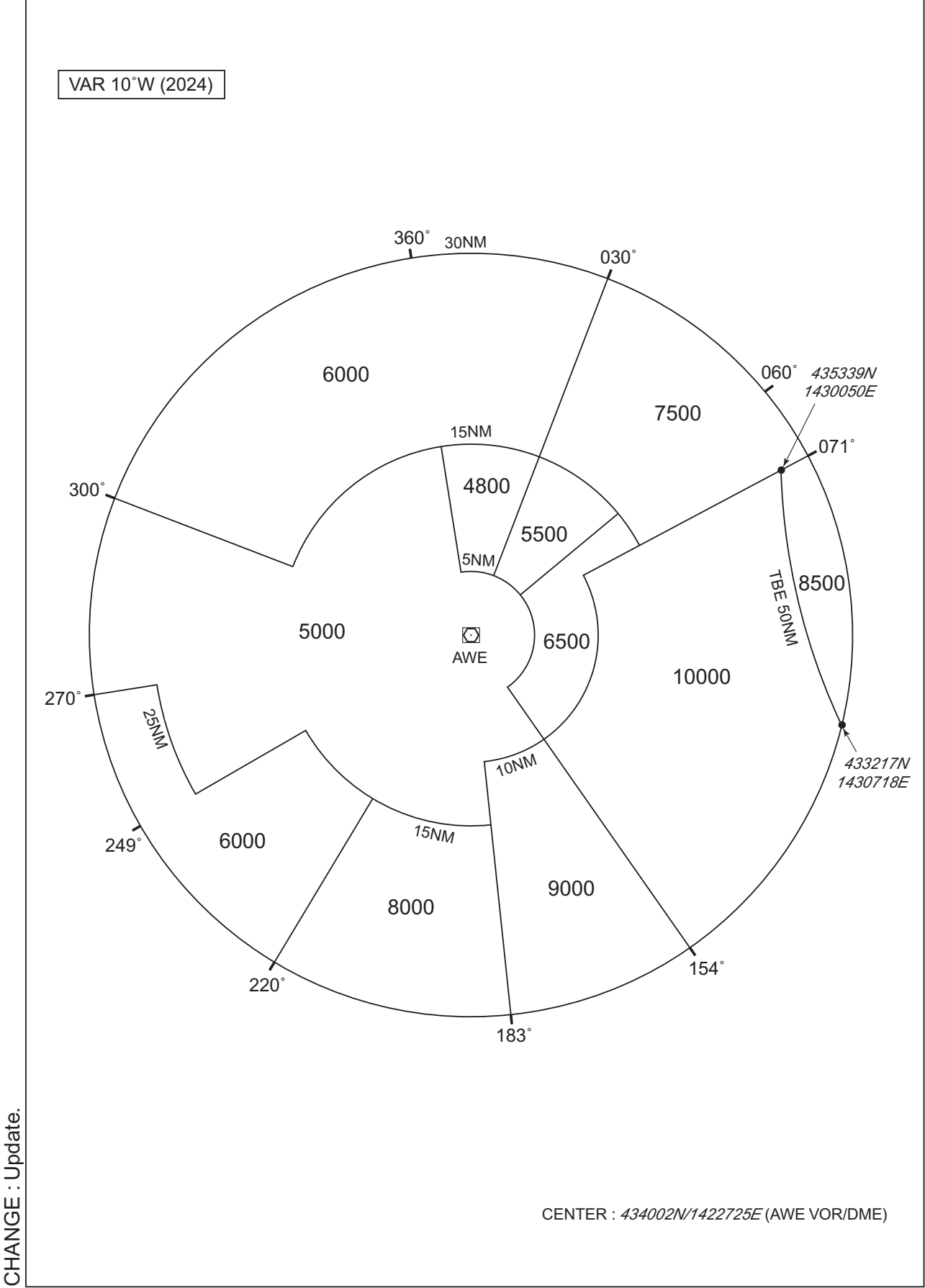
Visual REP

| Call sign | BRG / DIST from ARP | Remarks |
|----------------------|---------------------|--------------------|
| 男山 Otokoyama | 002°T / 10.4NM | 男山自然公園 Park |
| 旭山 Asahiyama | 014°T / 6.0NM | 旭山動物園 Zoo |
| 神楽岡 Kaguraoka | 324°T / 5.9NM | 神楽岡公園 Park |
| 神居古潭 Kamuikotan | 289°T / 11.3NM | 橋 Bridge |
| 岐登牛山 Kitoushiyama | 049°T / 5.4NM | スキー場 Ski ground |
| 西神楽 Nishikagura | 286°T / 2.4NM | JR駅 Station |
| 忠別ダム Chubetsu dam | 108°T / 8.5NM | ダム Dam |
| 神居ダム Kamui dam | 227°T / 6.2NM | ダム Dam |
| 美瑛 Biei | 184°T / 5.5NM | 道路(大曲) Road |
| 芦別 Ashibetsu | 231°T / 14.7NM | JR駅 Station |
| 上富良野 Kamifurano | 176°T / 12.4NM | JR駅 Station |

CHANGE : Visual REP established(Otokoyama).

RJEC / ASAHIKAWA

Minimum Vectoring Altitude CHART



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