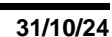


AD CHART



INTENTIONALLY LEFT BLANK

STANDARD DEPARTURE CHART -INSTRUMENT

RJSK / AKITA

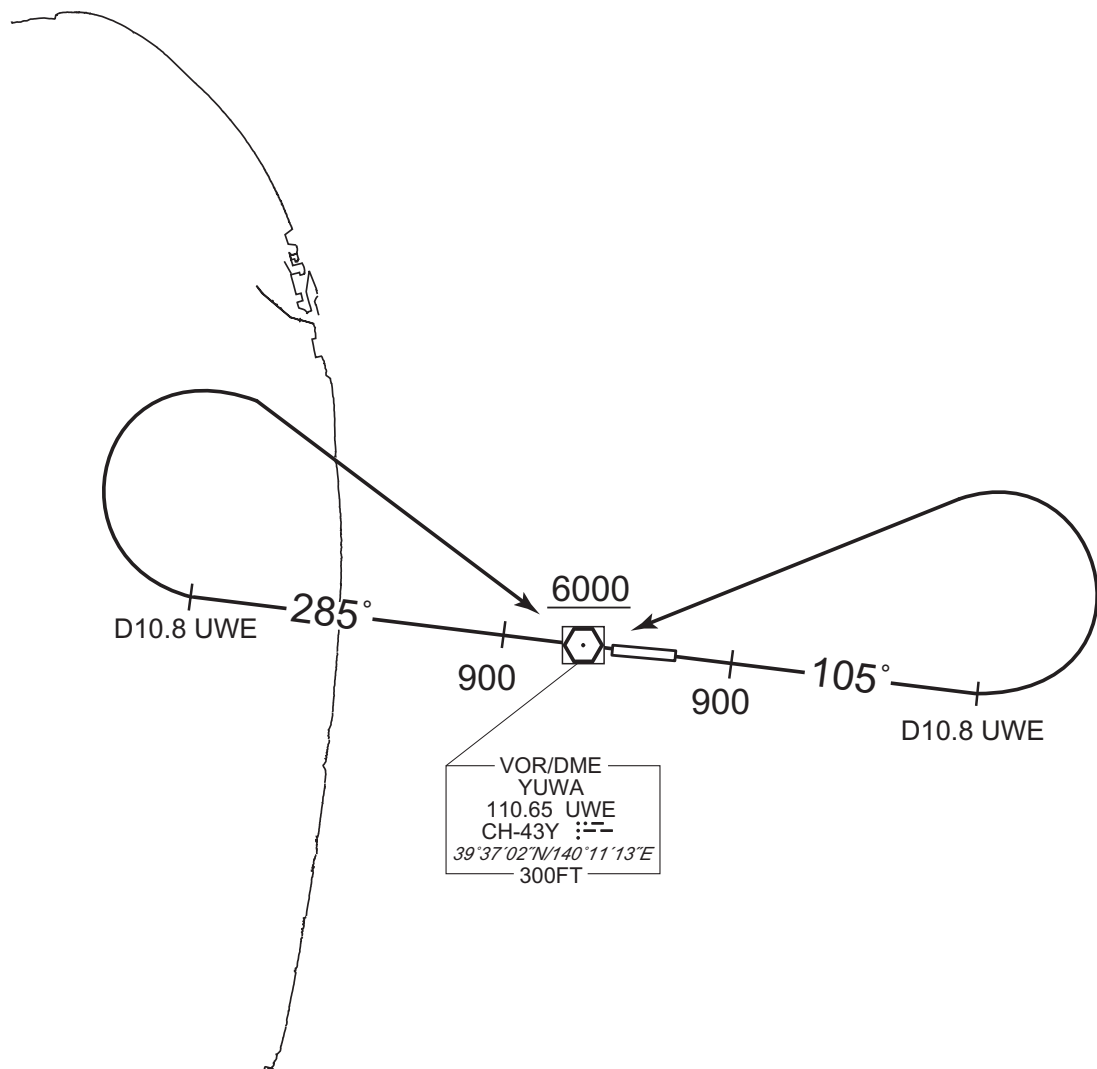
SID

YUWA REVERSAL SEVEN DEPARTURE

RWY 10 : Climb RWY HDG to 900FT, via UWE R105 to 10.8DME, turn left,...
 RWY 28 : Climb RWY HDG to 900FT, via UWE R285 to 10.8DME turn right,...
 ...direct to UWE VOR/DME.
 Cross UWE VOR/DME at or above 6000FT.

Note RWY10 : 5.0% climb gradient required up to 3300FT.
 OBST ALT 3543FT located at 13.8NM 071° FM end of RWY10.

CHANGE : PROC course. PROC renamed. Note added.



STANDARD DEPARTURE CHART -INSTRUMENT

RJSK / AKITA

RNAV SID

MUTSU THREE DEPARTURE

RNP1

Note GNSS required.



CHANGE : Description of latitude and longitude.

RWY10 : Climb on HDG106° at or above 900FT, turn left direct to SUGUT, to IRNOG, to MRE.

RWY28 : Climb on HDG286° at or above 900FT, turn right direct to NUPLI, to MRE.

Note RWY10 : 5.0% climb gradient required up to 3800FT.

OBST ALT 3937FT located at 15.3NM 039° FM end of RWY10.

STANDARD DEPARTURE CHART -INSTRUMENT

RJSK / AKITARNAV SID

MUTSU THREE DEPARTURE

RWY10

| 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 | - | - | 106 (096.6) | -9.1 | - | - | +900 | - | - | RNP1 |
| 002 | DF | SUGUT | - | - | -9.1 | - | L | - | - | - | RNP1 |
| 003 | TF | IRNOG | - | 016 (006.4) | -9.1 | 40.3 | - | - | - | - | RNP1 |
| 004 | TF | MRE | - | 032 (023.2) | -9.1 | 22.5 | - | - | - | - | RNP1 |

RWY28

| 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 | - | - | 286 (276.6) | -9.1 | - | - | +900 | - | - | RNP1 |
| 002 | DF | NUPLI | - | - | -9.1 | - | R | - | - | - | RNP1 |
| 003 | TF | MRE | - | 032 (023.0) | -9.1 | 60.9 | - | - | - | - | RNP1 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates |
|---------------------|------------------------|
| SUGUT | 394336.3N / 1402441.6E |
| IRNOG | 402338.0N / 1403036.4E |
| NUPLI | 394822.1N / 1401056.5E |
| MRE | 404419.7N / 1404219.2E |

CHANGE : Waypoint Coordinates added.

STANDARD DEPARTURE CHART -INSTRUMENT

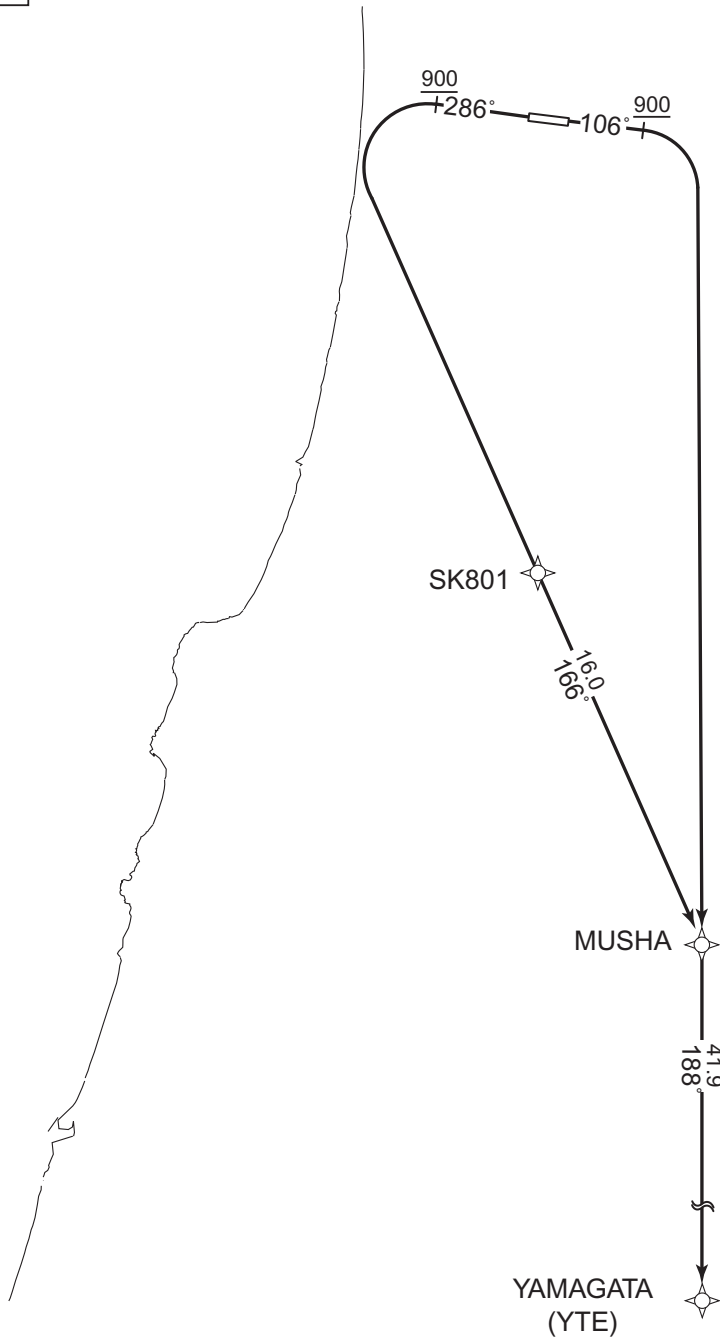
RJSK / AKITA

USYU TWO DEPARTURE

RNAV SID
RNP1

Note GNSS required.

VAR 9°W



RWY10 : Climb on HDG 106° at or above 900FT, turn right direct to MUSHA, to YTE.
RWY28 : Climb on HDG 286° at or above 900FT, turn left direct to SK801, to MUSHA, to YTE.

CHANGE : Description of latitude and longitude.

STANDARD DEPARTURE CHART -INSTRUMENT

RJSK / AKITA

RNAV SID

USYU TWO DEPARTURE

RWY10

| 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 | - | - | 106 (096.6) | -8.9 | - | - | +900 | - | - | RNP1 |
| 002 | DF | MUSHA | - | - | -8.9 | - | R | - | - | - | RNP1 |
| 003 | TF | YTE | - | 188 (179.3) | -8.9 | 41.9 | - | - | - | - | RNP1 |

RWY28

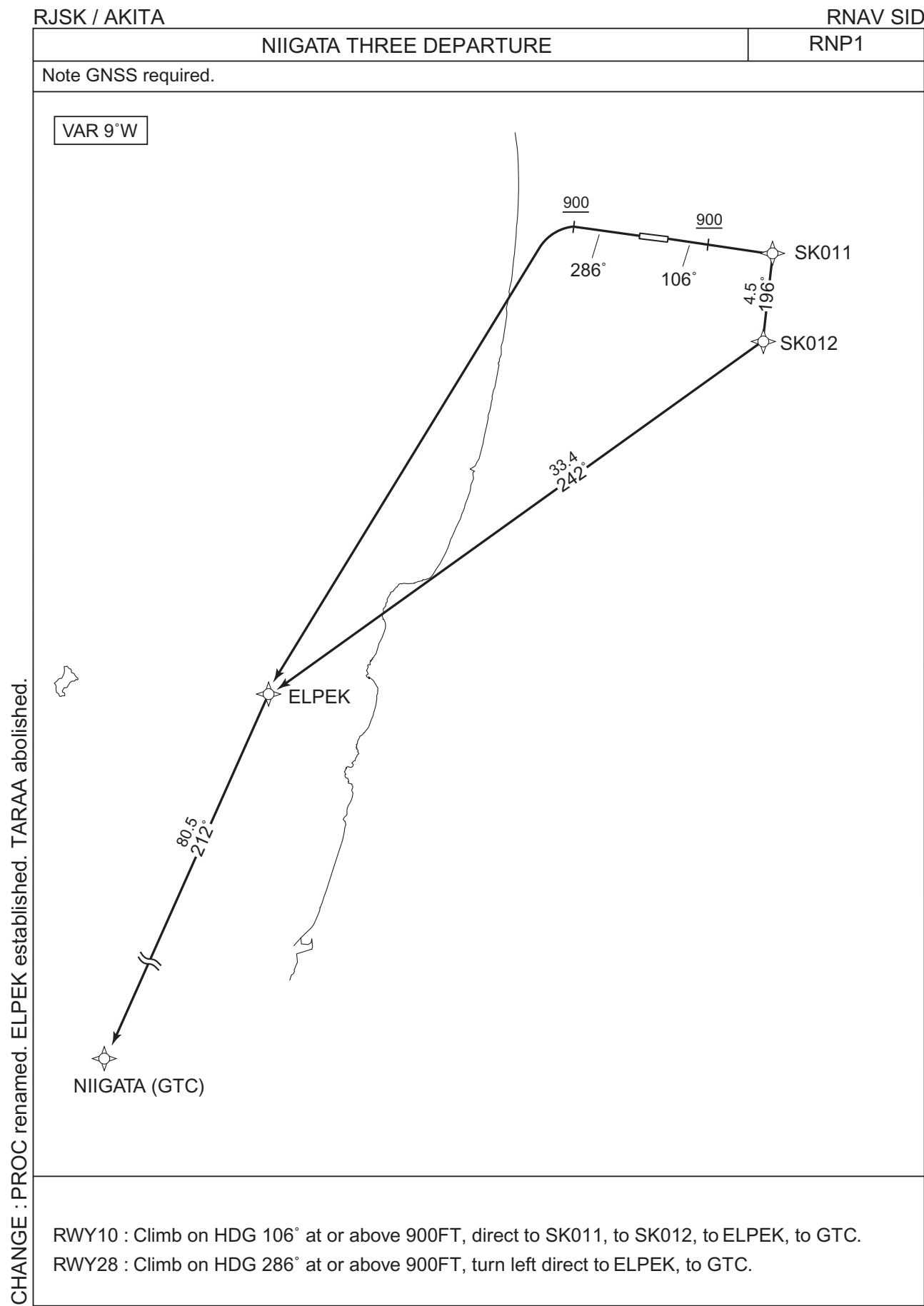
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | - | - | 286 (276.6) | -8.9 | - | - | +900 | - | - | RNP1 |
| 002 | DF | SK801 | - | - | -8.9 | - | L | - | - | - | RNP1 |
| 003 | TF | MUSHA | - | 166 (157.1) | -8.9 | 16.0 | - | - | - | - | RNP1 |
| 004 | TF | YTE | - | 188 (179.3) | -8.9 | 41.9 | - | - | - | - | RNP1 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates |
|---------------------|------------------------|
| SK801 | 391957.0N / 1401250.5E |
| MUSHA | 390511.0N / 1402052.2E |
| YTE | 382319.0N / 1402128.6E |

CHANGE : Waypoint Coordinates added.

STANDARD DEPARTURE CHART -INSTRUMENT



STANDARD DEPARTURE CHART -INSTRUMENT

RJSK / AKITA

RNAV SID

NIIGATA THREE DEPARTURE

RWY10

| 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 | - | - | 106 (096.6) | -8.9 | - | - | +900 | - | - | RNP1 |
| 002 | DF | SK011 | - | - | -8.9 | - | - | - | - | - | RNP1 |
| 003 | TF | SK012 | - | 196 (186.7) | -8.9 | 4.5 | - | - | - | - | RNP1 |
| 004 | TF | ELPEK | - | 242 (233.5) | -8.9 | 33.4 | - | - | - | - | RNP1 |
| 005 | TF | GTC | - | 212 (203.0) | -8.9 | 80.5 | - | - | - | - | RNP1 |

RWY28

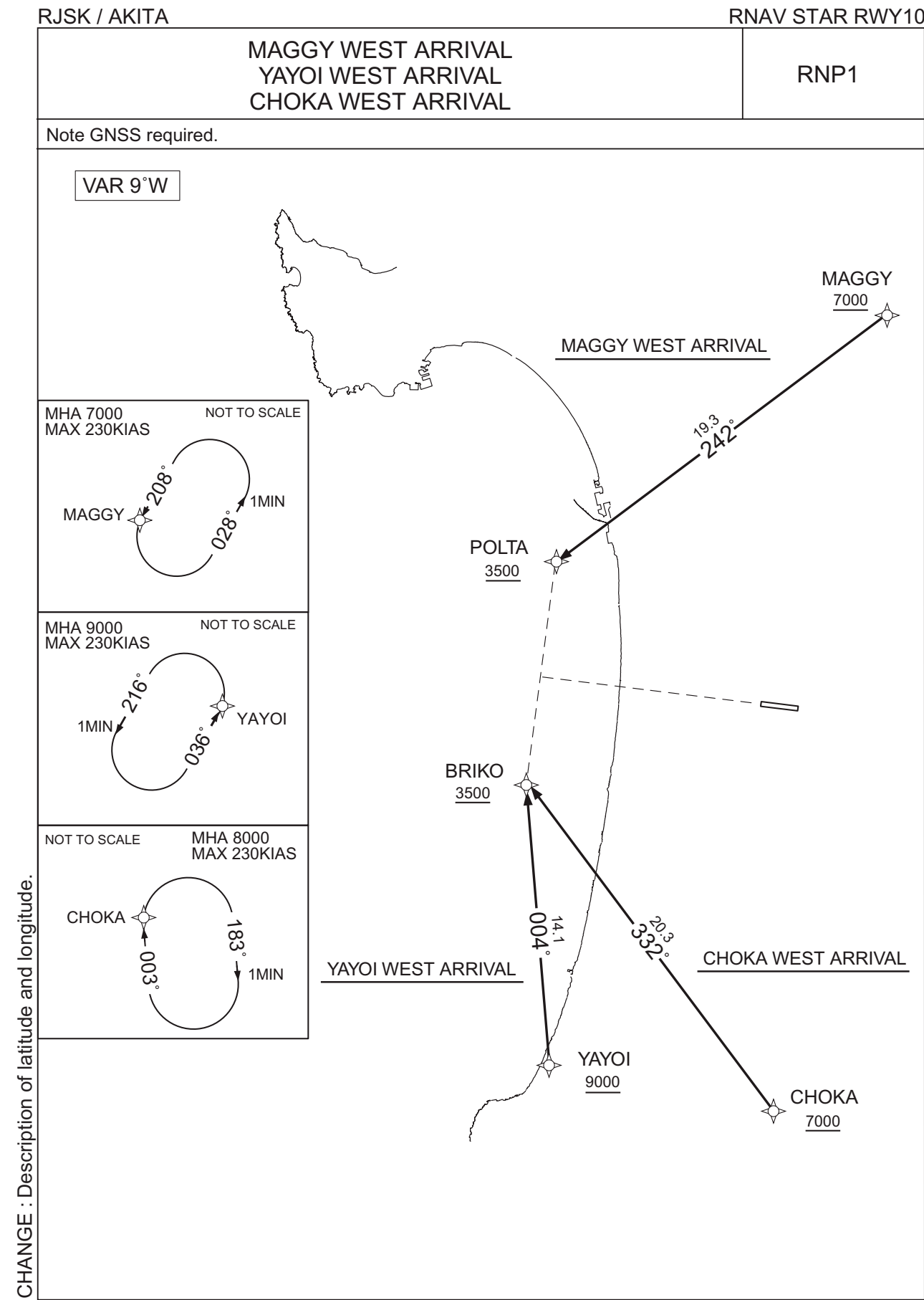
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | - | - | 286 (276.6) | -8.9 | - | - | +900 | - | - | RNP1 |
| 002 | DF | ELPEK | - | - | -8.9 | - | - | - | - | - | RNP1 |
| 003 | TF | GTC | - | 212 (203.0) | -8.9 | 80.5 | - | - | - | - | RNP1 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates |
|---------------------|------------------------|
| SK011 | 393608.1N / 1402202.4E |
| SK012 | 393139.6N / 1402121.7E |
| ELPEK | 391141.2N / 1394642.1E |
| GTC | 375729.9N / 1390653.6E |

CHANGE : PROC renamed. ELPEK established. TARA abolished. Waypoint Coordinates added.

STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT

RJSK / AKITA

RNAV STAR RWY10

MAGGY WEST ARRIVAL

From MAGGY at or above 7000FT, to POLTA at or above 3500FT.

| 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 | MAGGY | - | - | -9.0 | - | - | +7000 | - | - | RNP1 |
| 002 | TF | POLTA | - | 242 (232.6) | -9.0 | 19.3 | - | +3500 | - | - | RNP1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|--------------------------|
| Hold | MAGGY | 208 (199.5) | -9.0 | 1.0(-14000) | L | 7000 | FL140 | -230(-14000) | RNP1 |

YAYOI WEST ARRIVAL

From YAYOI at or above 9000FT, to BRIKO at or above 3500FT.

| 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 | YAYOI | - | - | -9.0 | - | - | +9000 | - | - | RNP1 |
| 002 | TF | BRIKO | - | 004 (355.2) | -9.0 | 14.1 | - | +3500 | - | - | RNP1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|--------------------------|
| Hold | YAYOI | 036 (026.6) | -9.0 | 1.0(-14000) | L | 9000 | FL140 | -230(-14000) | RNP1 |

CHOKA WEST ARRIVAL

From CHOKA at or above 7000FT, to BRIKO at or above 3500FT.

| 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 | CHOKA | - | - | -9.0 | - | - | +7000 | - | - | RNP1 |
| 002 | TF | BRIKO | - | 332 (322.5) | -9.0 | 20.3 | - | +3500 | - | - | RNP1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|--------------------------|
| Hold | CHOKA | 003 (353.8) | -9.0 | 1.0(-14000) | R | 8000 | FL140 | -230(-14000) | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT

RJSK / AKITA

RNAV STAR RWY10

Waypoint Coordinates

| Waypoint Identifier | Coordinates |
|---------------------|------------------------|
| MAGGY | 395456.6N / 1401926.8E |
| POLTA | 394311.1N / 1395928.5E |
| YAYOI | 391910.1N / 1395933.8E |
| CHOKA | 391709.5N / 1401401.1E |
| BRIKO | 393314.2N / 1395801.2E |

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART-INSTRUMENT

RJSK / AKITA

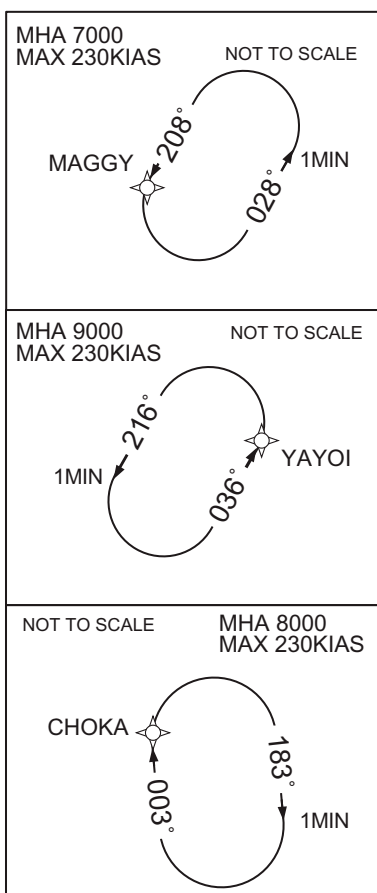
RNAV STAR RWY28

MAGGY EAST ARRIVAL
YAYOI EAST ARRIVAL
CHOKA EAST ARRIVAL

RNP1

Note GNSS required.

VAR 9°W

MAGGY EAST ARRIVALMAGGY
7000

171°

119°

GAKKO
5000BIJIN
4200YAYOI EAST ARRIVALYAYOI
9000

22.5°

067°

15.9°

039°

CHOKA EAST ARRIVALCHOKA
7000

CHANGE : Description of latitude and longitude.

STANDARD ARRIVAL CHART-INSTRUMENT

RJSK / AKITA

RNAV STAR RWY28

MAGGY EAST ARRIVAL

From MAGGY at or above 7000FT, to GAKKO at or above 5000FT.

| 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 | MAGGY | - | - | -9.0 | - | - | +7000 | - | - | RNP1 |
| 002 | TF | GAKKO | - | 171 (162.1) | -9.0 | 11.9 | - | +5000 | - | - | RNP1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|--------------------------|
| Hold | MAGGY | 208 (199.5) | -9.0 | 1.0(-14000) | L | 7000 | FL140 | -230(-14000) | RNP1 |

YAYOI EAST ARRIVAL

From YAYOI at or above 9000FT, to BIJIN at or above 4200FT.

| 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 | YAYOI | - | - | -9.0 | - | - | +9000 | - | - | RNP1 |
| 002 | TF | BIJIN | - | 067 (058.5) | -9.0 | 22.5 | - | +4200 | - | - | RNP1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|--------------------------|
| Hold | YAYOI | 036 (026.6) | -9.0 | 1.0(-14000) | L | 9000 | FL140 | -230(-14000) | RNP1 |

CHOKA EAST ARRIVAL

From CHOKA at or above 7000FT, to BIJIN at or above 4200FT.

| 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 | CHOKA | - | - | -9.0 | - | - | +7000 | - | - | RNP1 |
| 002 | TF | BIJIN | - | 039 (030.3) | -9.0 | 15.9 | - | +4200 | - | - | RNP1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|--------------------------|
| Hold | CHOKA | 003 (353.8) | -9.0 | 1.0(-14000) | R | 8000 | FL140 | -230(-14000) | RNP1 |

STANDARD ARRIVAL CHART-INSTRUMENT

RJSK / AKITA

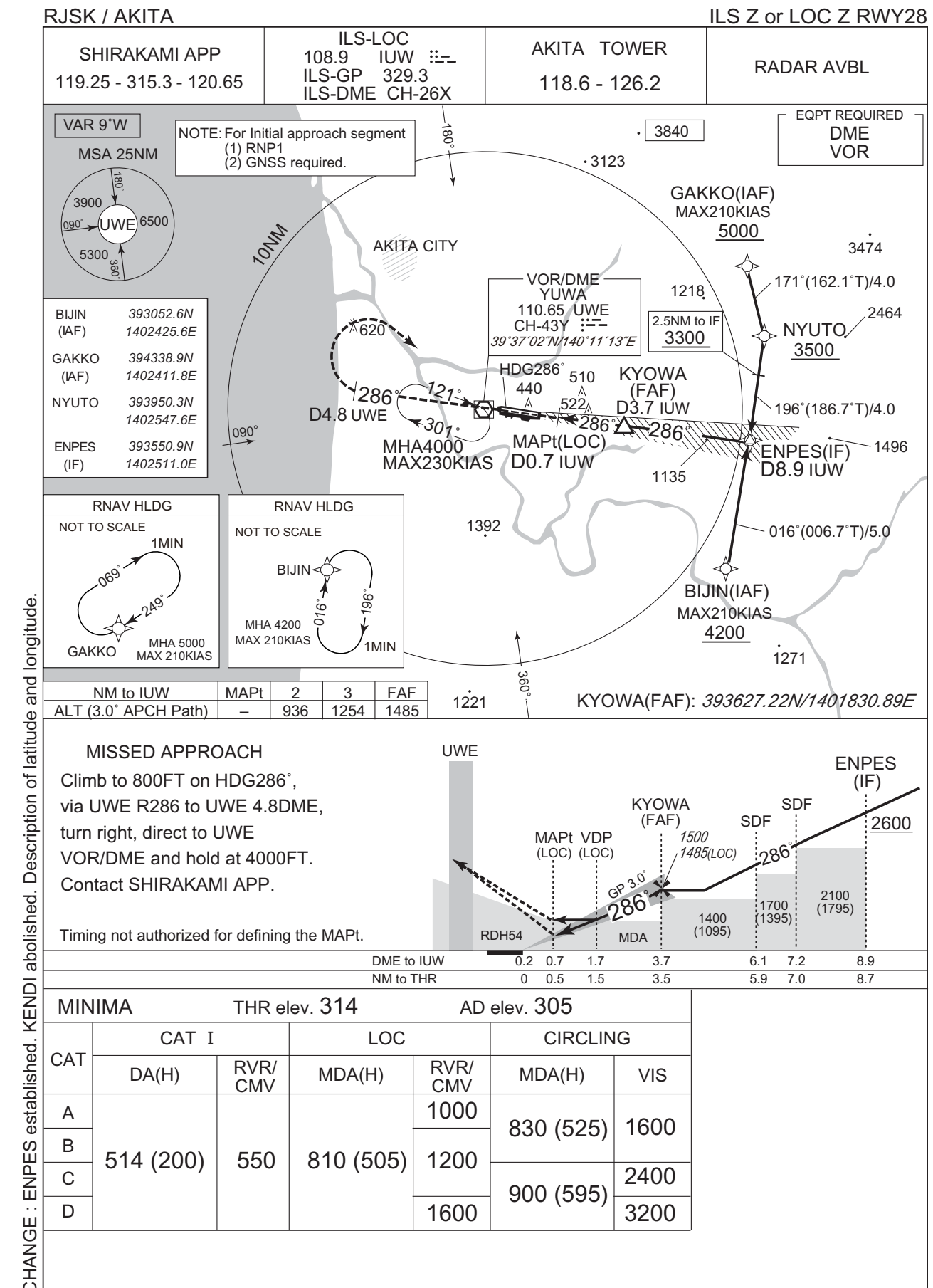
RNAV STAR RWY28

Waypoint Coordinates

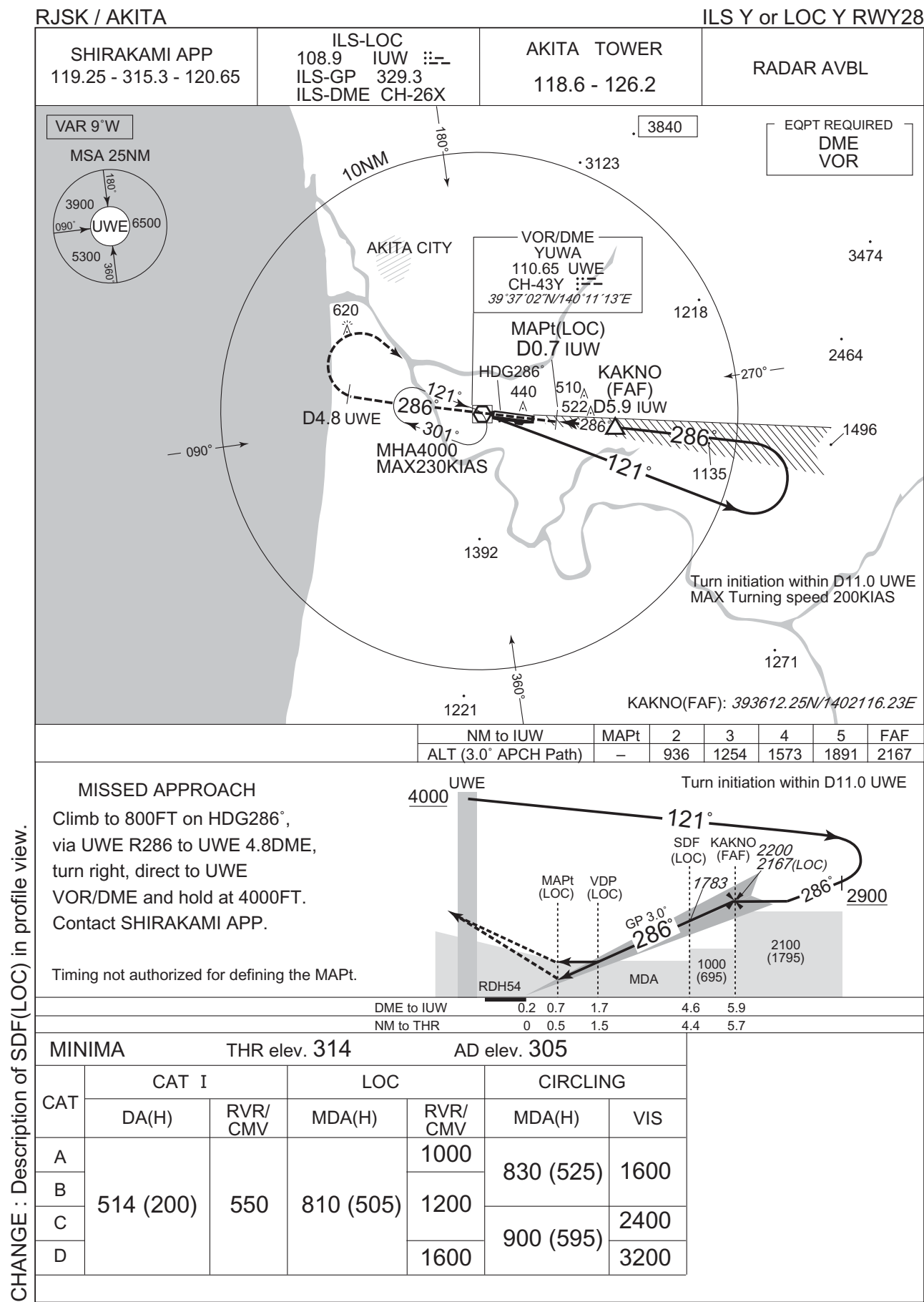
| Waypoint Identifier | Coordinates |
|---------------------|------------------------|
| MAGGY | 395456.6N / 1401926.8E |
| GAKKO | 394338.9N / 1402411.8E |
| YAYOI | 391910.1N / 1395933.8E |
| CHOKA | 391709.5N / 1401401.1E |
| BIJIN | 393052.6N / 1402425.6E |

CHANGE : Waypoint Coordinates added.

INSTRUMENT APPROACH CHART



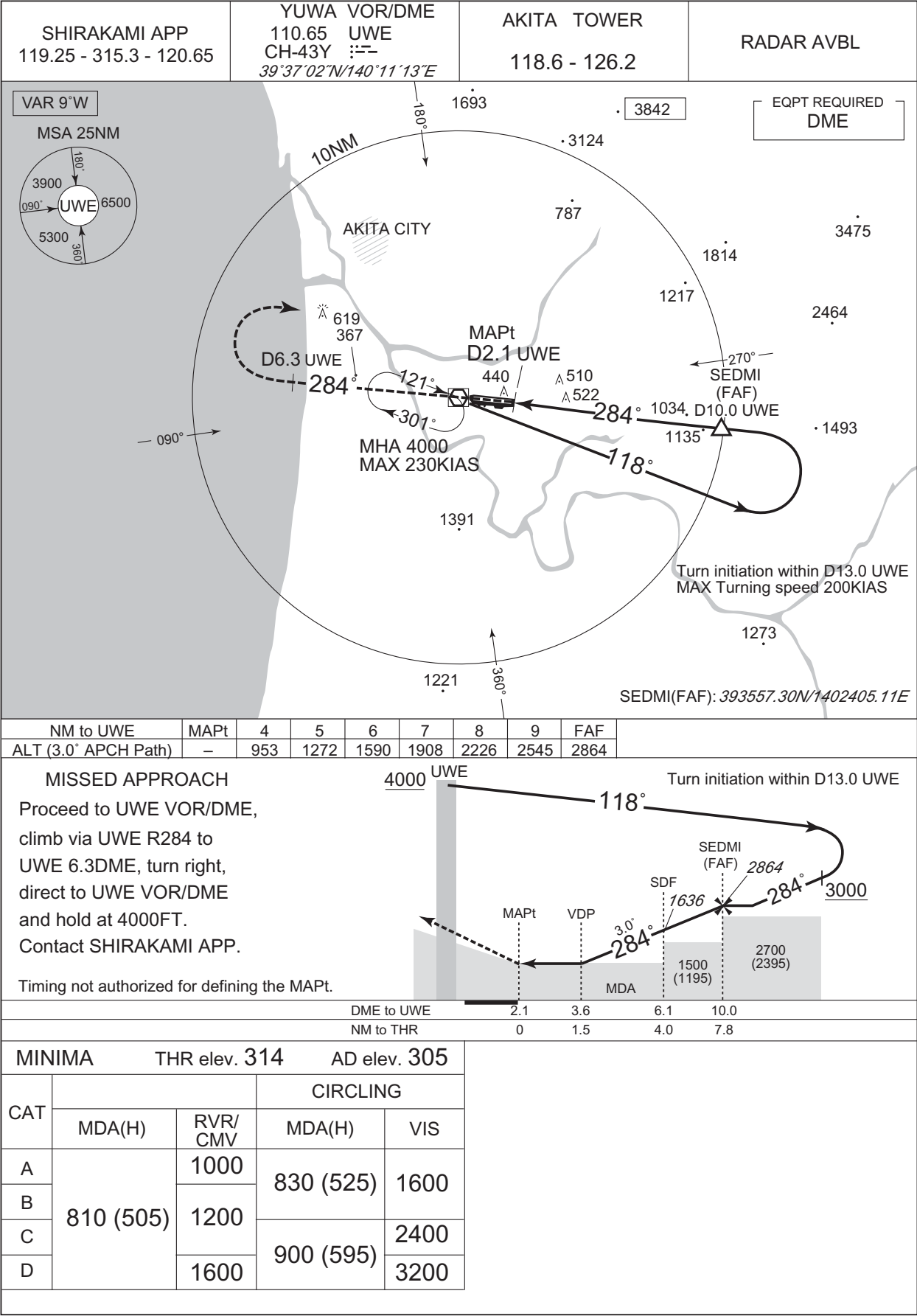
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJSK / AKITA

VOR RWY28



RJSK / AKITA

| | | | |
|--|--|------------------------------|------------|
| SHIRAKAMI APP 119.25 - 315.3 - 120.65 | YUWA VOR/DME 110.65 UWE CH-43Y 39°37'02"N/140°11'13"E | AKITA TOWER 118.6 - 126.2 | RADAR AVBL |
|--|--|------------------------------|------------|

VAR 9°W

EQPT REQUIRED
DME

MSA 25NM

UWE 6500

3900

5300

090°

180°

360°

10NM

AKITA CITY

619

YAESU (FAF) D5.0 UWE

367

MAPt 440

510

522

D8.6 UWE

100°

290°

170°

MHA 4000 MAX 230KIAS

1034

1135

1493

1273

1221

1391

1814

1217

3475

2464

1693

3124

3842

180°

270°

360°

090°

263°

100°

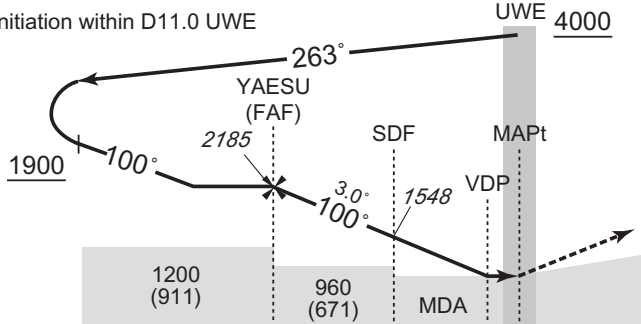
100°

Turn initiation within D11.0 UWE
MAX Turning speed 200KIAS

YAESU(FAF): 393709.77N/140044.76E

Turn initiation within D11.0 UWE

Turn initiation within D11.0 UWE



MISSED APPROACH
Climb via UWE R100 to
UWE 8.6DME, turn right,
direct to UWE VOR/DME
and hold at 4000FT.
Contact SHIRAKAMI APP.

Timing not authorized for defining the MAPt.

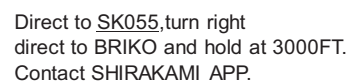
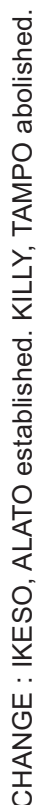
| | | |
|--------|---------------|--------------|
| MINIMA | THR elev. 289 | AD elev. 305 |
|--------|---------------|--------------|

| CAT | | | CIRCLING | |
|-----|-----------|------|-----------|------|
| | MDA(H) | CMV | MDA(H) | VIS |
| A | 680 (391) | 1200 | 830 (525) | 1600 |
| B | | 1300 | | |
| C | | 1400 | 900 (595) | 2400 |
| D | | 1600 | | 3200 |

CHANGE : PROC renamed. VAR.

RJSK / AKITA

RNP Z RWY10



| | | | | | | | | |
|-------------------------------------|----------|------|---------------|------|--------------|------|----------|------|
| Missed APCH climb gradient MNM 5.0% | | | | | | | | |
| MINIMA | | | THR elev. 289 | | AD elev. 305 | | | |
| CAT | LPV | | LNAV/VNAV | | LNAV | | CIRCLING | |
| | DA(H) | CMV | DA(H) | CMV | MDA(H) | CMV | MDA(H) | VIS |
| A | 569(280) | 1000 | 653(364) | 1200 | 740(451) | 1400 | 830(525) | 1600 |
| B | 579(290) | 1100 | | 1300 | | 1500 | | |
| C | 589(300) | 1400 | | 1400 | | 1600 | 900(595) | 2400 |
| D | 599(310) | 1600 | | 1600 | | 1800 | | |

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

INSTRUMENT APPROACH CHART

RJSK / AKITA

RNP Z RWY10

FAS DATA BLOCK

| | | | |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type | 0 | LTP/FTP ellipsoidal height | +01268 |
| SBAS service provider identifier | 2 | FPAP latitude | 393651.6070N |
| Airport identifier | RJSK | FPAP longitude | 1401359.3150E |
| Runway | 10 | Threshold crossing height | 00015.0 |
| Approach performance designator | 0 | TCH units selector | 1 |
| Route indicator | Z | Glide path angle | 03.00 |
| Reference path data selector | 0 | Course width at threshold | 105.00 |
| Reference path ID | M10A | ∠ length offset | 0000 |
| LTP/FTP latitude | 393700.9295N | HAL | 40.0 |
| LTP/FTP longitude | 1401215.1950E | VAL | 50.0 |
| CRC remainder | 884983FD | | |

Required additional data

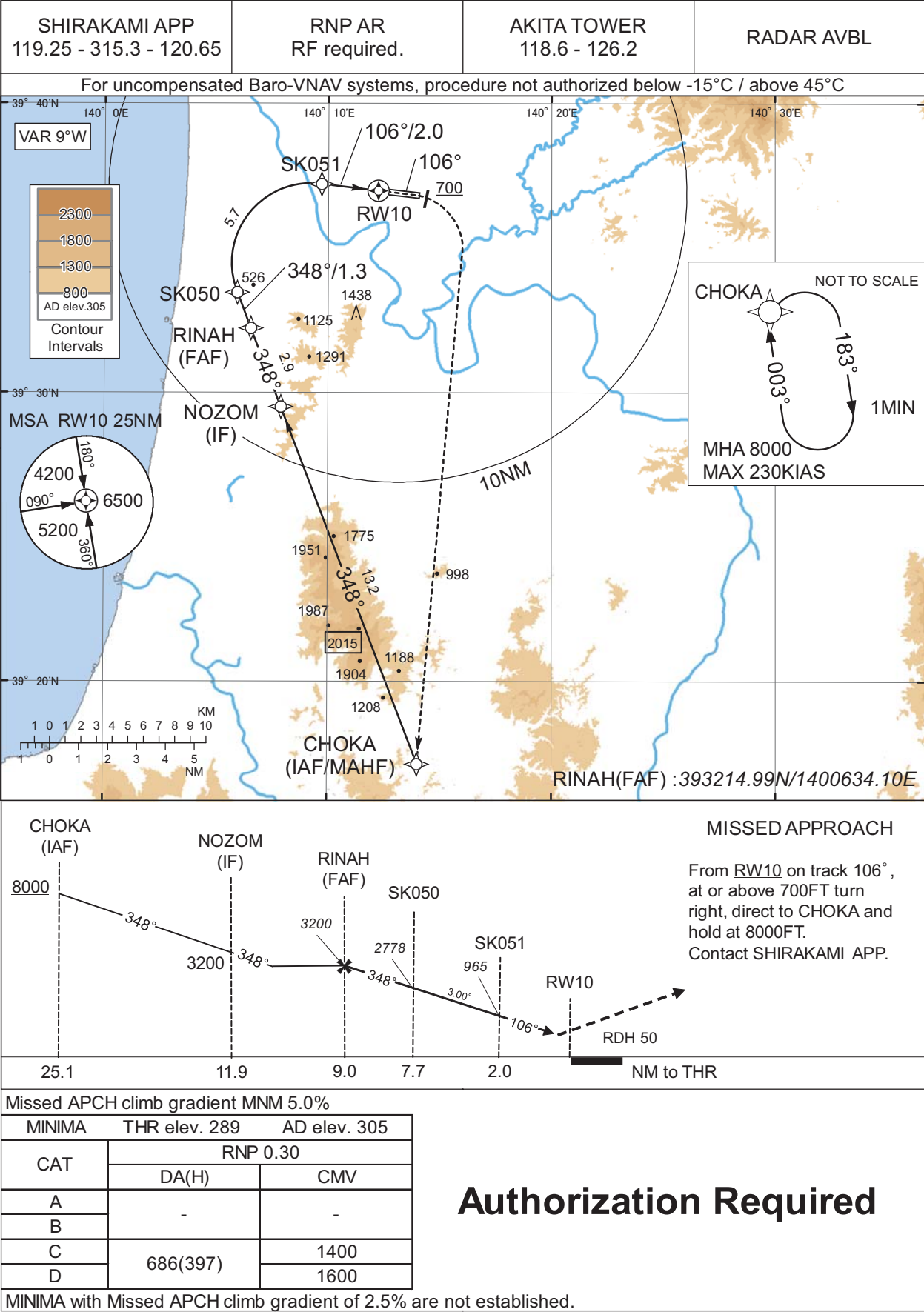
| | |
|----------------------------|------|
| LTP/FTP orthometric height | 87.9 |
|----------------------------|------|

CHANGE : FAS DATA BLOCK; Required additional data established.

INSTRUMENT APPROACH CHART

RJSK / AKITA

RNP Y RWY10(AR)



INSTRUMENT APPROACH CHART

RJSK / AKITA

RNP Y RWY10(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 | CHOKA | - | - | -9.0 | - | - | +8000 | - | - | - |
| 002 | TF | NOZOM | - | 348 (339.2) | -9.0 | 13.2 | - | +3200 | - | - | 1.0 |
| 003 | TF | RINAH | - | 348 (339.1) | -9.0 | 2.9 | - | 3200 | - | - | 1.0 |
| 004 | TF | SK050 | - | 348 (339.1) | -9.0 | 1.3 | - | 2778 | - | -3.00 | 0.3 |
| 005 | RF Center: SKRF1 r=2.78NM | SK051 | - | - | -9.0 | 5.7 | R | 965 | - | -3.00 | 0.3 |
| 006 | TF | RW10 | Y | 106 (096.6) | -9.0 | 2.0 | - | 339 | - | -3.00/50 | 0.3 |
| 007 | FA | - | - | 106 (096.6) | -9.0 | - | - | +700 | - | - | 1.0 |
| 008 | DF | CHOKA | - | - | -9.0 | - | R | 8000 | - | - | 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 | CHOKA | 003 (353.8) | -9.0 | 1.0 (-14000) | R | 8000 | FL140 | -230 (-14000) | 1.0 |

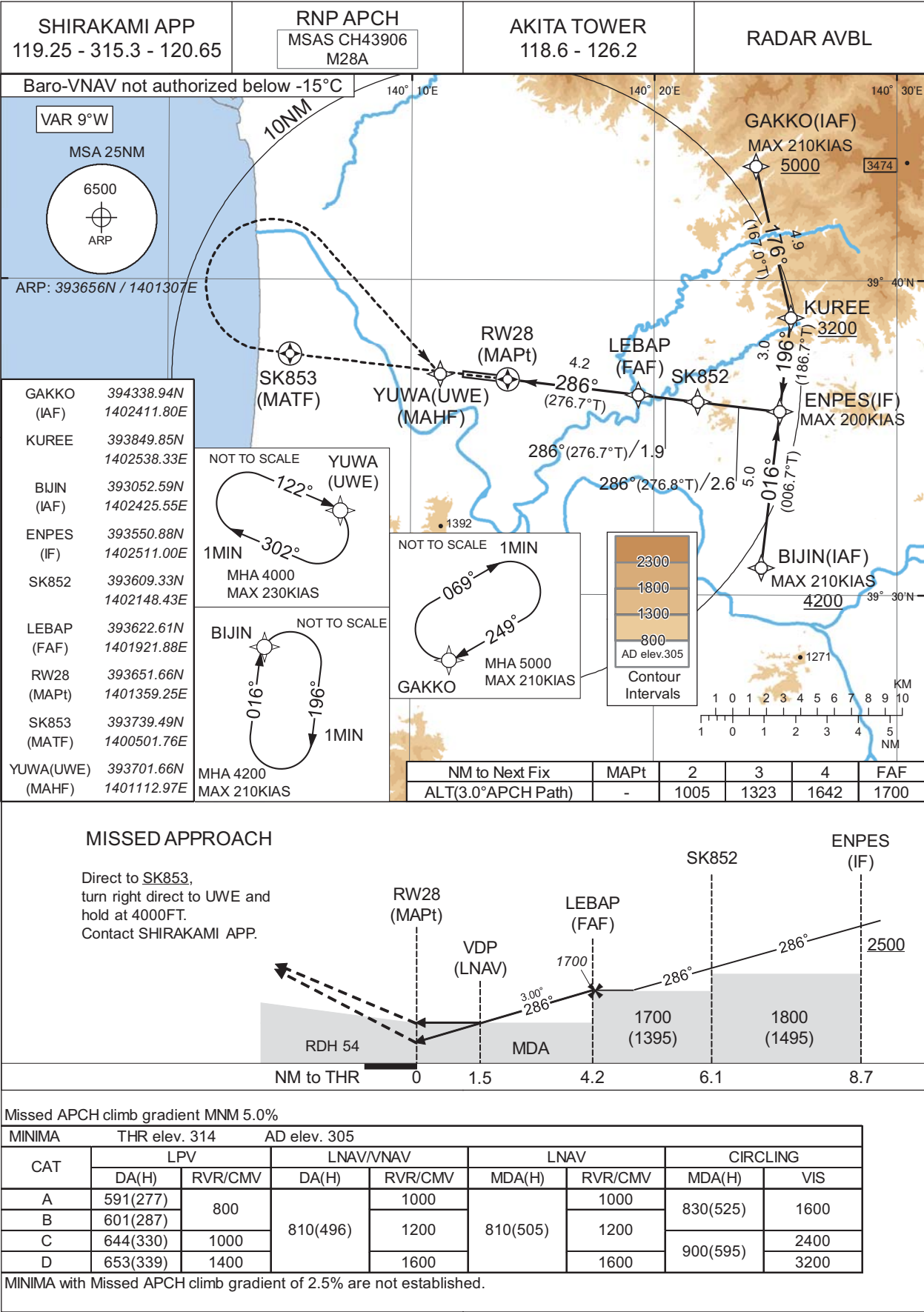
Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| CHOKA | 391709.51N / 1401401.06E | SKRF1 | 393428.91N / 1400918.43E |
| NOZOM | 392931.83N / 1400754.90E | | |
| RINAH | 393214.99N / 1400634.10E | | |
| SK050 | 393329.21N / 1400557.30E | | |
| SK051 | 393714.55N / 1400943.07E | | |
| RW10 | 393700.98N / 1401215.14E | | |

INSTRUMENT APPROACH CHART

RJSK / AKITA

RNP Z RWY28



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FAS DATA BLOCK

| | | | |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type | 0 | LTP/FTP ellipsoidal height | +01346 |
| SBAS service provider identifier | 2 | FPAP latitude | 393700.9295N |
| Airport identifier | RJSK | FPAP longitude | 1401215.1950E |
| Runway | 28 | Threshold crossing height | 00016.5 |
| Approach performance designator | 0 | TCH units selector | 1 |
| Route indicator | Z | Glide path angle | 03.00 |
| Reference path data selector | 0 | Course width at threshold | 105.00 |
| Reference path ID | M28A | ∟ length offset | 0000 |
| LTP/FTP latitude | 393651.6070N | HAL | 40.0 |
| LTP/FTP longitude | 1401359.3150E | VAL | 50.0 |
| CRC remainder | CA86C5B4 | | |

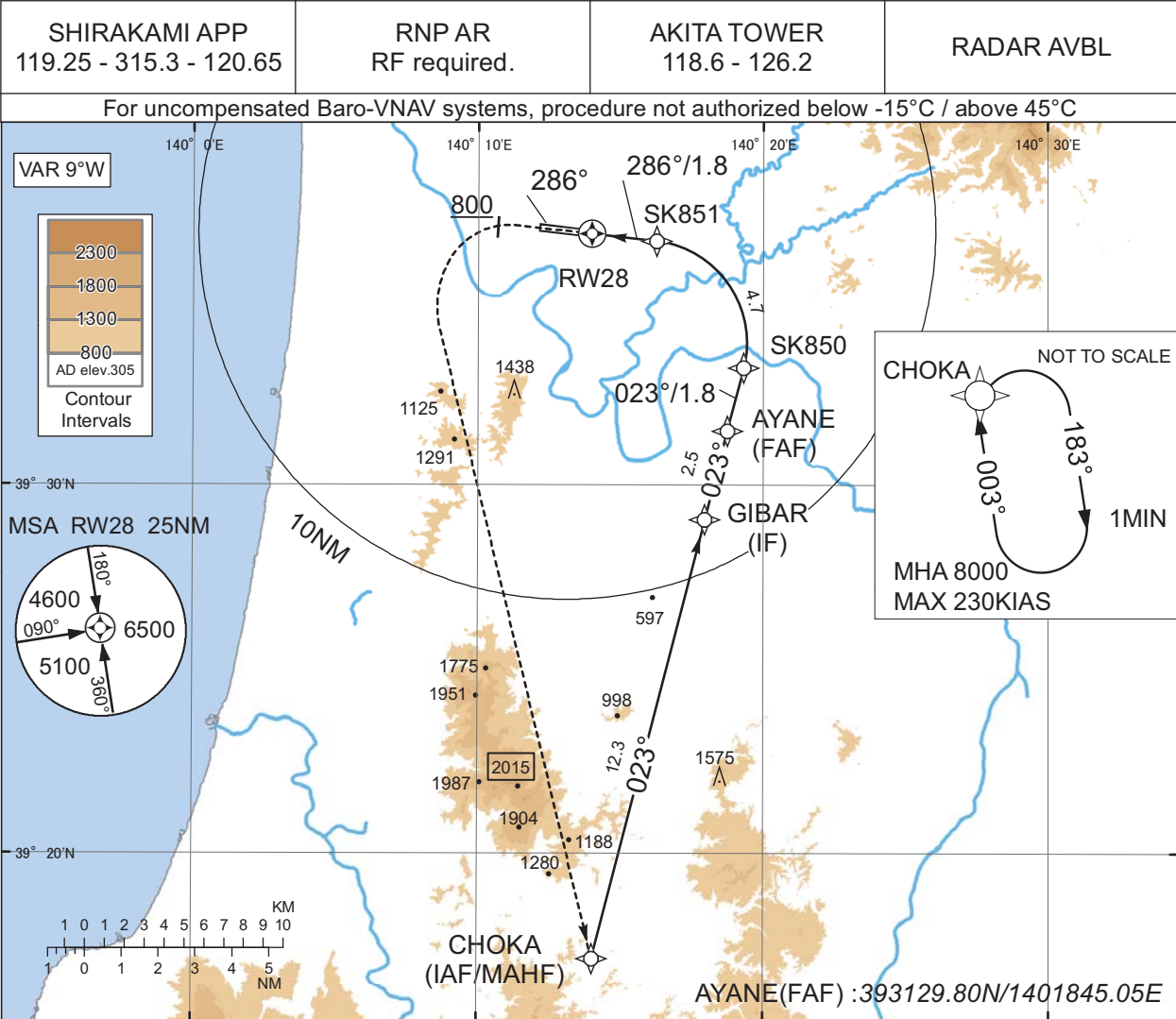
Required additional data

| | |
|----------------------------|------|
| LTP/FTP orthometric height | 95.6 |
|----------------------------|------|

CHANGE : New PROC.

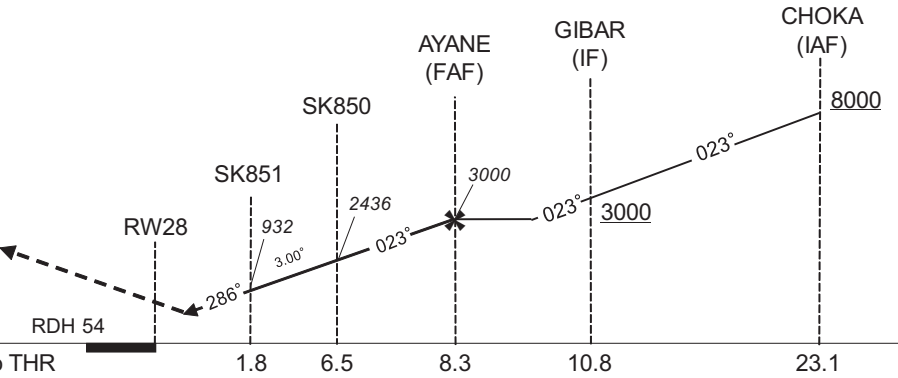
INSTRUMENT APPROACH CHART

RJSK / AKITA RNP Y RWY28(AR)



MISSED APPROACH

From RW28 on track 286°, at or above 800FT turn left, direct to CHOKA and hold at 8000FT. Contact SHIRAKAMI APP.



| | | |
|-------------------------------------|---------------|--------------|
| Missed APCH climb gradient MNM 5.0% | | |
| MINIMA | THR elev. 314 | AD elev. 305 |
| CAT | RNP 0.30 | |
| | DA(H) | RVR/CMV |
| A | - | - |
| B | - | - |
| C | 653(339) | 1000 |
| D | | 1400 |

Authorization Required

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

CHANGE : PROC renamed. HLDG pattern for using NAVAID abolished.

INSTRUMENT APPROACH CHART

RJSK / AKITA

RNP Y RWY28(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 | CHOKA | - | - | -9.0 | - | - | +8000 | - | - | - |
| 002 | TF | GIBAR | - | 023 (014.3) | -9.0 | 12.3 | - | +3000 | - | - | 1.0 |
| 003 | TF | AYANE | - | 023 (014.3) | -9.0 | 2.5 | - | 3000 | - | - | 1.0 |
| 004 | TF | SK850 | - | 023 (014.3) | -9.0 | 1.8 | - | 2436 | - | -3.00 | 0.3 |
| 005 | RF Center: SKRF2 r=2.77NM | SK851 | - | - | -9.0 | 4.7 | L | 932 | - | -3.00 | 0.3 |
| 006 | TF | RW28 | Y | 286 (276.7) | -9.0 | 1.8 | - | 368 | - | -3.00/54 | 0.3 |
| 007 | FA | - | - | 286 (276.7) | -9.0 | - | - | +800 | - | - | 1.0 |
| 008 | DF | CHOKA | - | - | -9.0 | - | L | 8000 | - | - | 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 | CHOKA | 003 (353.8) | -9.0 | 1.0 (-14000) | R | 8000 | FL140 | -230 (-14000) | 1.0 |

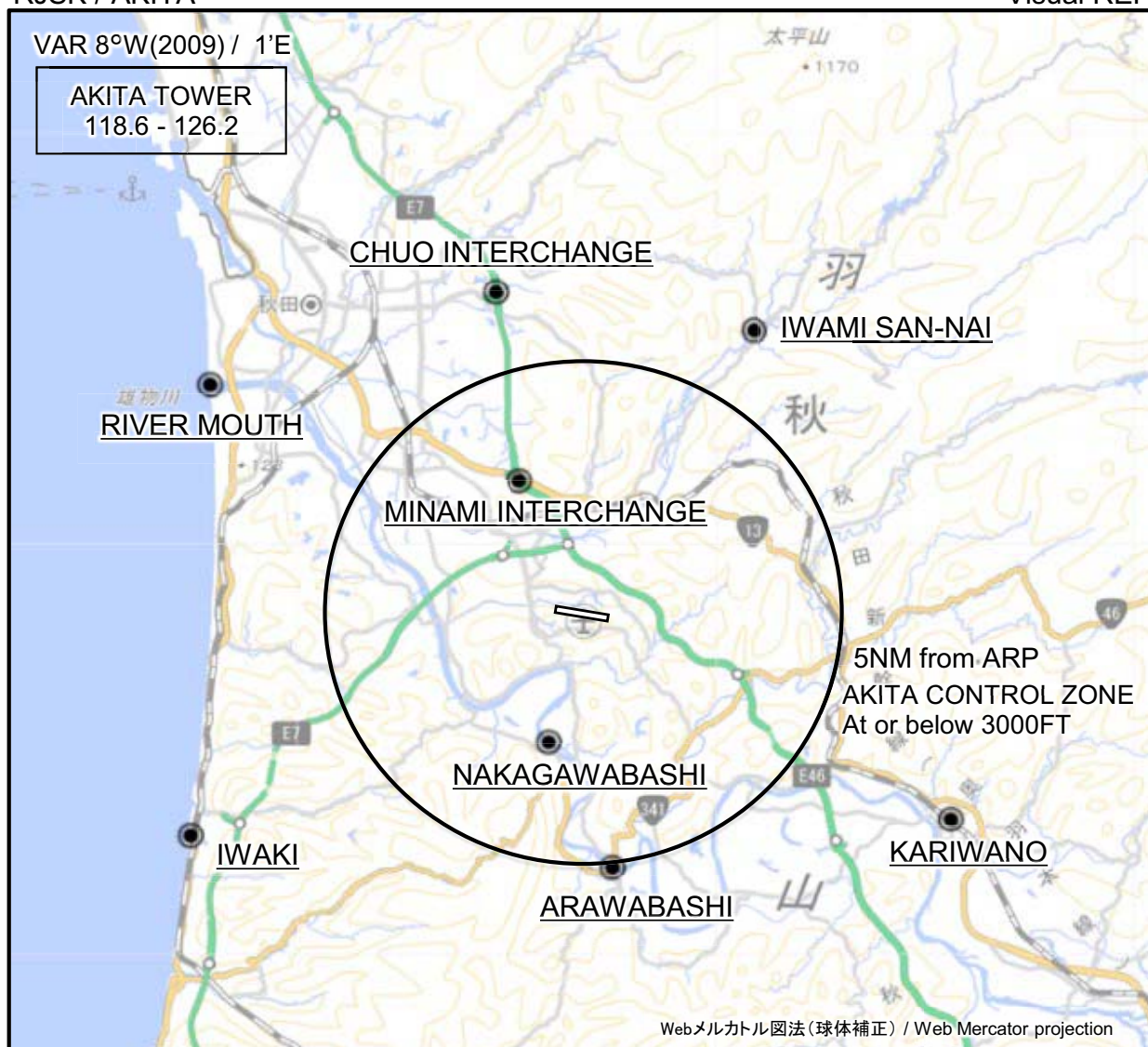
Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| CHOKA | 391709.51N / 1401401.06E | SKRF2 | 393354.17N / 1401551.05E |
| GIBAR | 392905.47N / 1401757.27E | | |
| AYANE | 393129.80N / 1401845.05E | | |
| SK850 | 393312.87N / 1401919.21E | | |
| SK851 | 393639.39N / 1401615.88E | | |
| RW28 | 393651.66N / 1401359.25E | | |

CHANGE : PROC renamed.

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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).

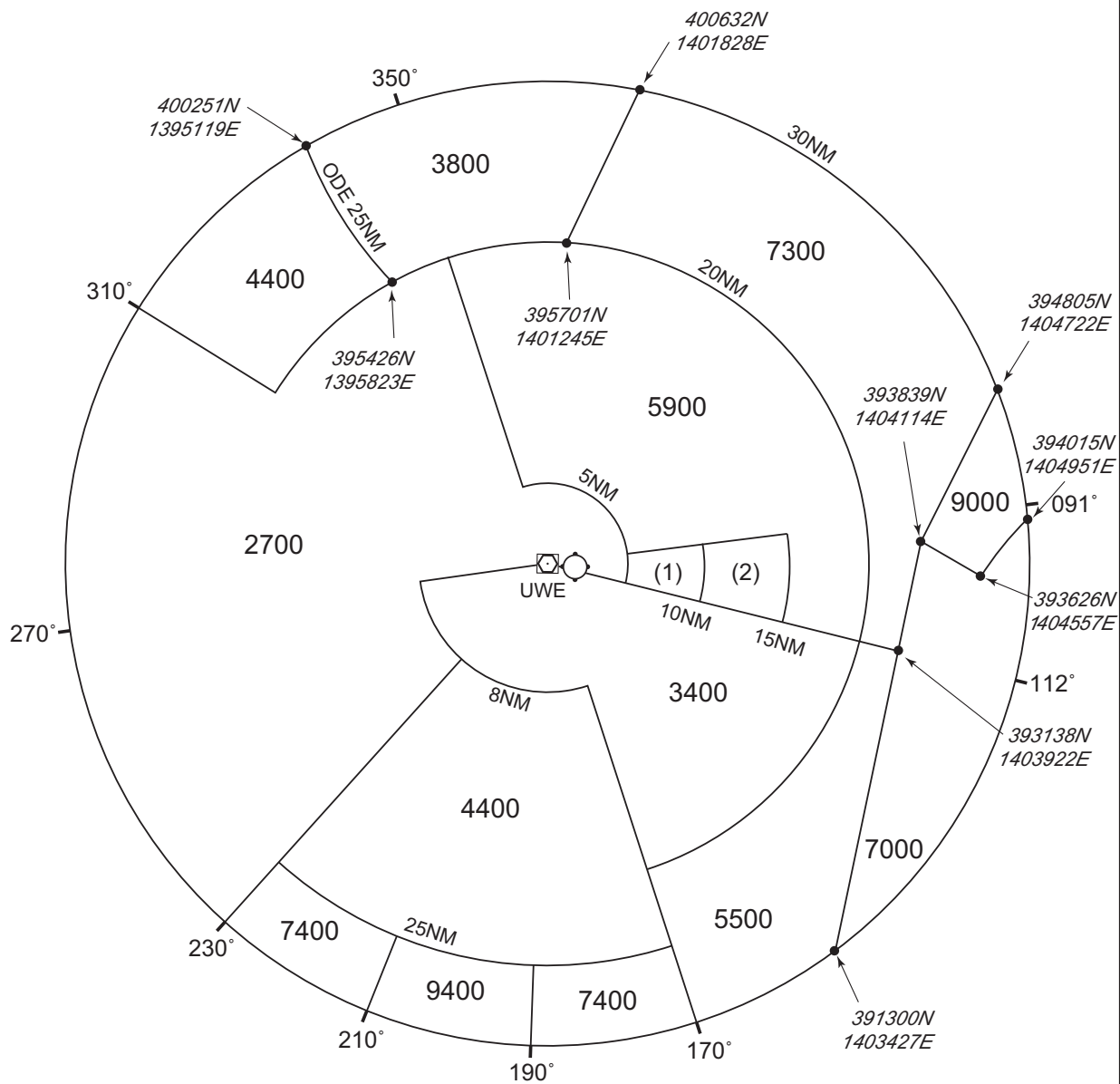
CHANGE : Map updated. BRG/DIST from ARP.

| Call sign | BRG / DIST from ARP | Remarks |
|---------------------------------|---------------------|---|
| 中央インターチェンジ Chuo Interchange | 345°T / 6.6NM | 秋田中央インターチェンジ(秋田自動車道) Akita Chuo Interchange |
| 岩見三内 Iwami San-nai | 030°T / 6.5NM | 岩見川と三内川の合流点 Merging point of Iwamigawa River and San-naigawa River |
| リバーマウス River Mouth | 302°T / 8.6NM | 雄物川河口 Omonogawa River Mouth |
| 南インターチェンジ Minami Interchange | 334°T / 3.0NM | 秋田南インターチェンジ(秋田自動車道) Akita Minami Interchange |
| 中川橋 Nakagawabashi | 196°T / 2.6NM | 中川橋(雄物川) Nakagawabashi |
| 刈和野 Kariwano | 120°T / 8.2NM | JR刈和野駅 JR Kariwano Station |
| 岩城 Iwaki | 240°T / 8.8NM | 道の駅岩城 Michinoeki (Road Station) Iwaki |
| 新波橋 Arawabashi | 174°T / 5.0NM | 新波橋(雄物川) Arawabashi |

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Minimum Vectoring Altitude CHART

VAR 9°W (2024)



(1) : 4500
(2) : 5500

CENTER : 393702N/1401113E (UWE VOR/DME)

CHANGE : Update.