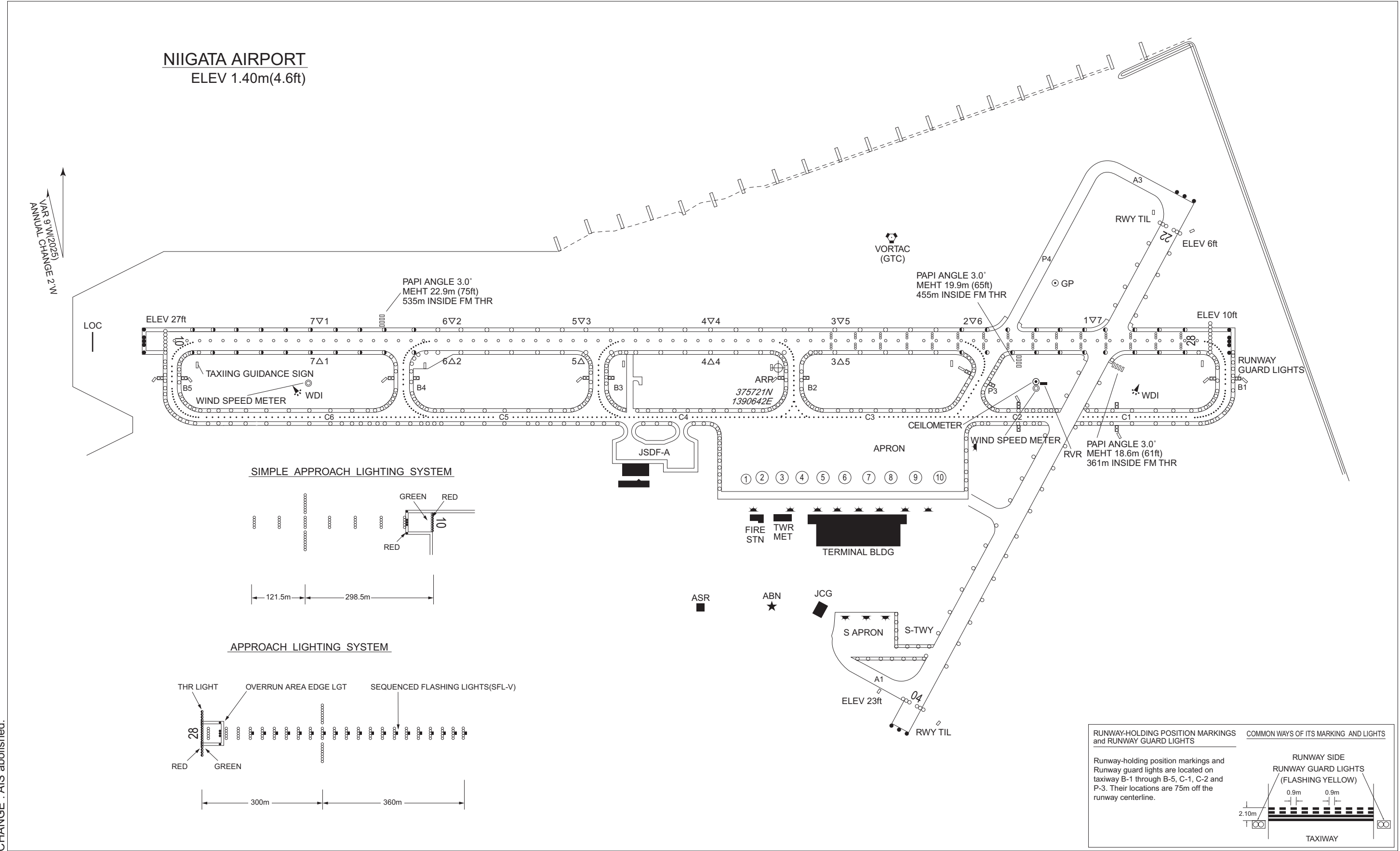
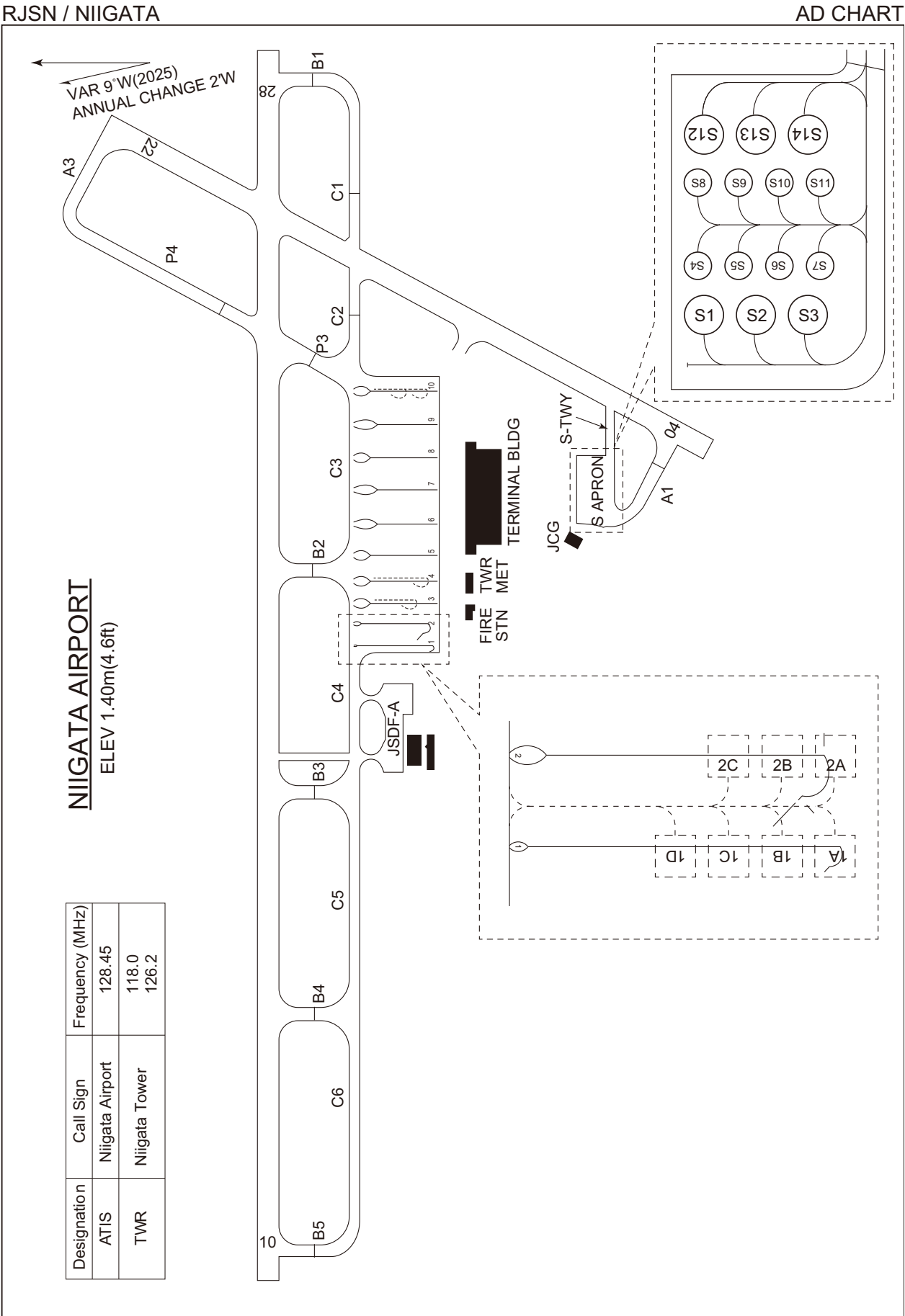


AERODROME CHART



CHANGE : AIS abolished.

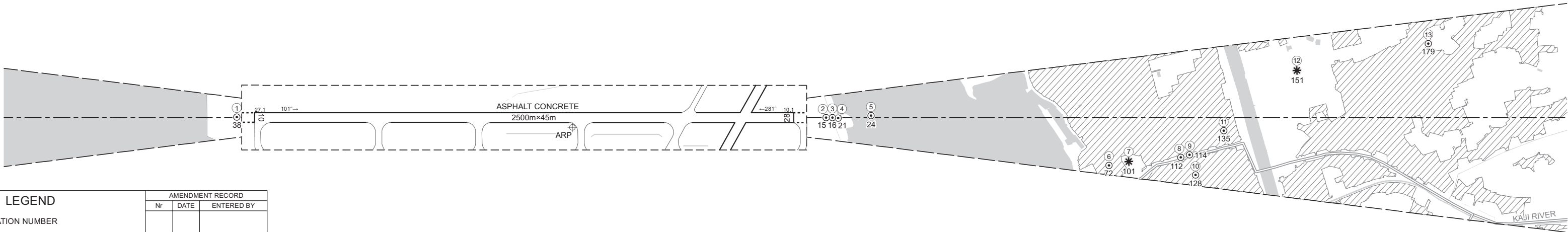
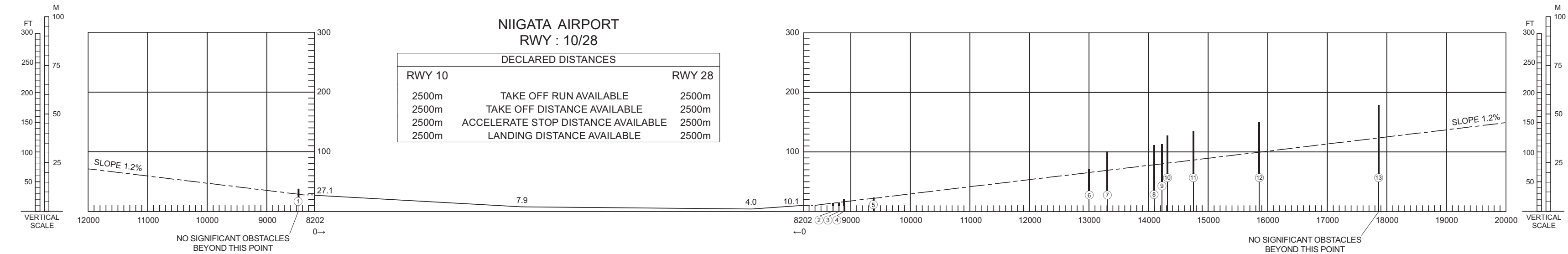
CHANGE: AIS abolished.



DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC  
Transverse Mercator Projection

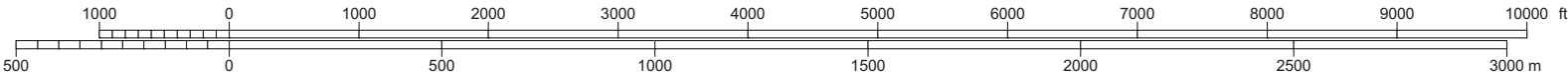
AERODROME OBSTACLE CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

MAGNETIC VARIATION 9°W - AUG 2025



HORIZONTAL SCALE

FEET

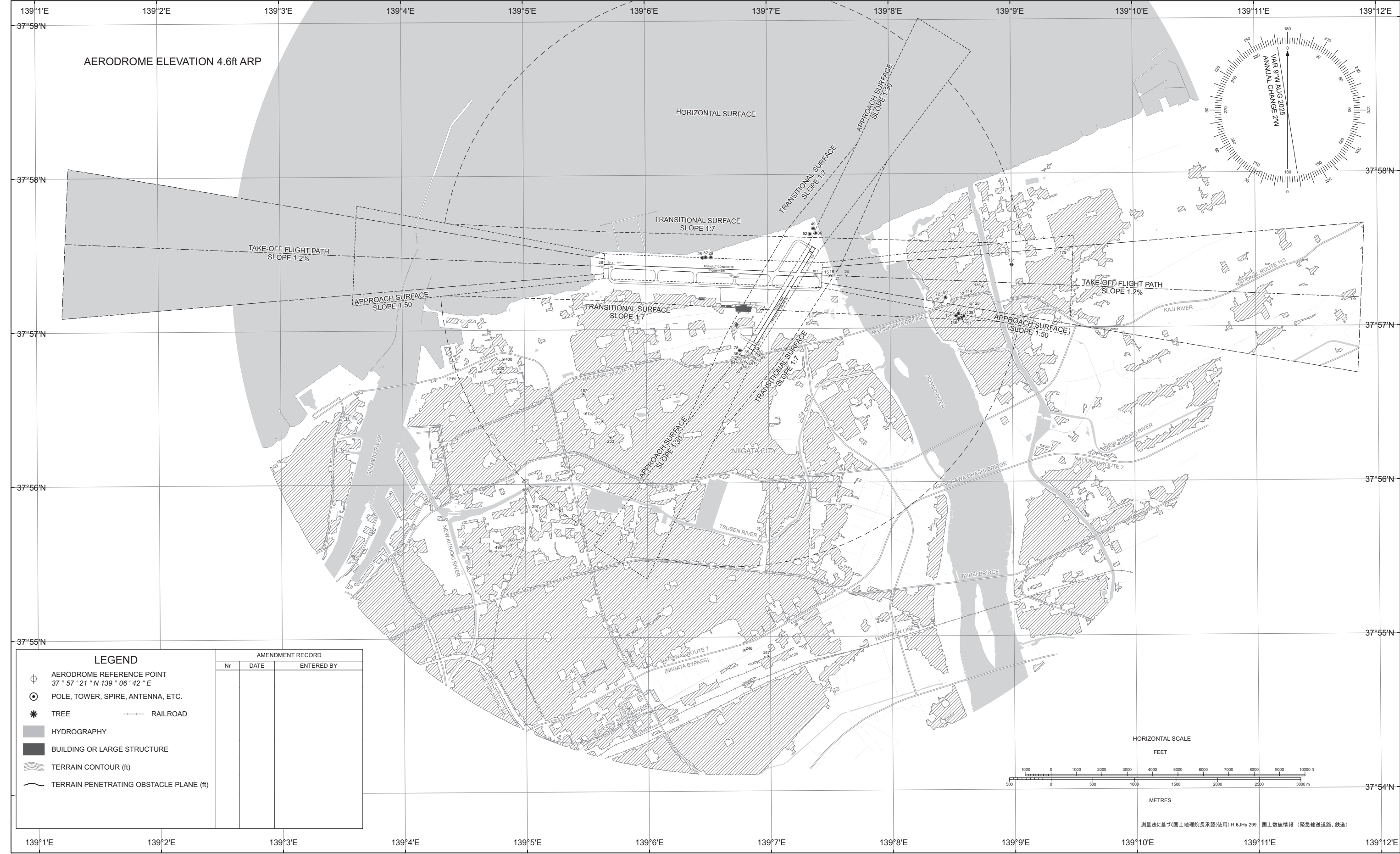


METRES

測量法に基づく国土地理院長承認(使用) R 6JHs 299 国土数値情報 (緊急輸送道路)

CHANGE:Update

CHANGE:Update



STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

SID

OKESA SEVEN DEPARTURE

- RWY 04 : Turn left HDG 245°...
- RWY 10 : Climb RWY HDG to 500FT, turn left HDG 245°...
- RWY 22 : Climb RWY HDG to 800FT, turn left...
- RWY 28 : Climb RWY HDG to 500FT, turn right...  
...to intercept and proceed via GTC R290 to OKESA.

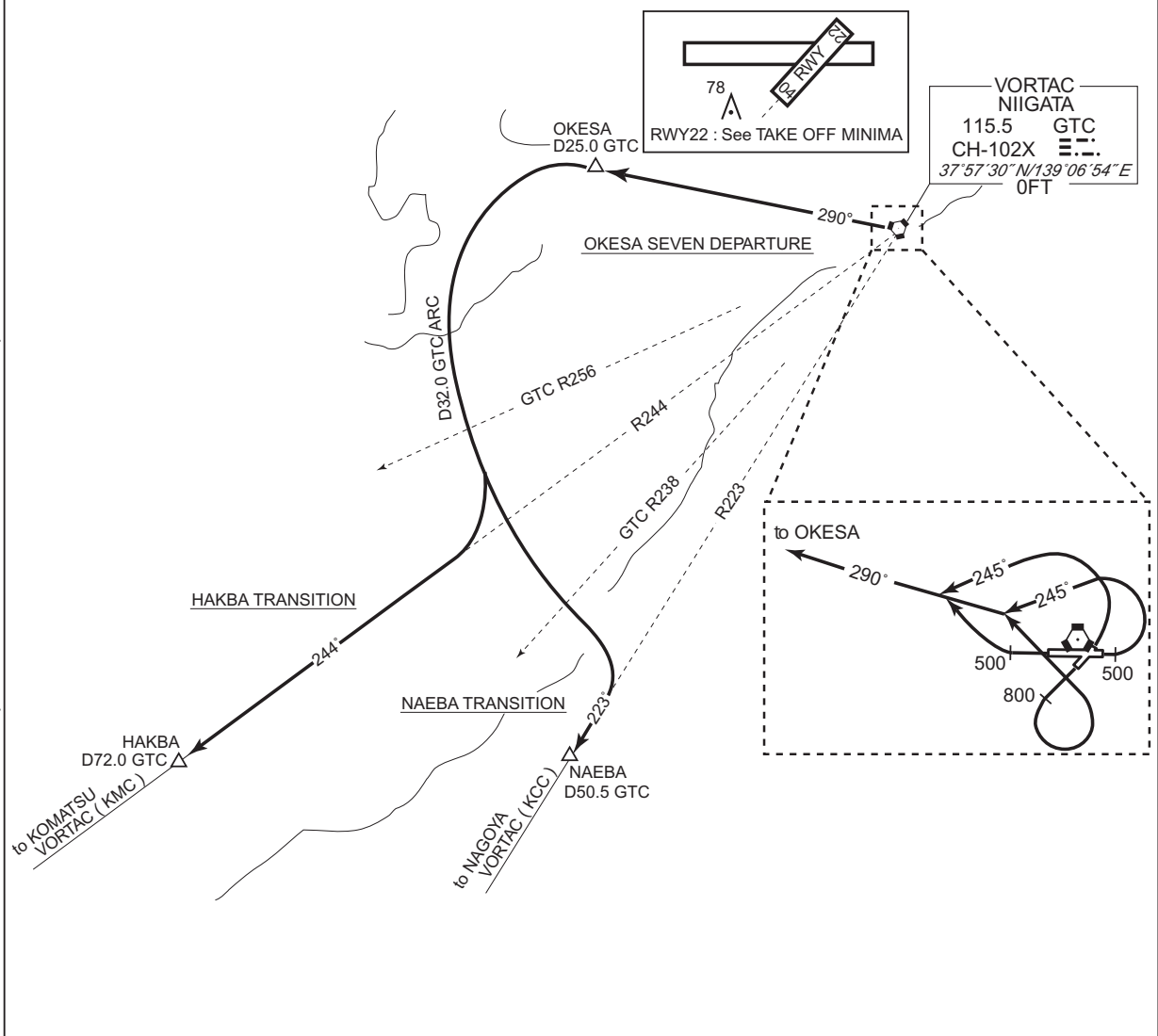
NAEBA TRANSITION

From over OKESA, turn left to intercept and proceed via GTC 32.0DME counterclockwise ARC, turn right to intercept and proceed via GTC R223 to NAEBA.

HAKBA TRANSITION

From over OKESA, turn left to intercept and proceed via GTC 32.0DME counterclockwise ARC, turn right to intercept and proceed via GTC R244 to HAKBA.

CHANGE : PROC renamed(OKESA SEVEN DEPARTURE).PROC course.





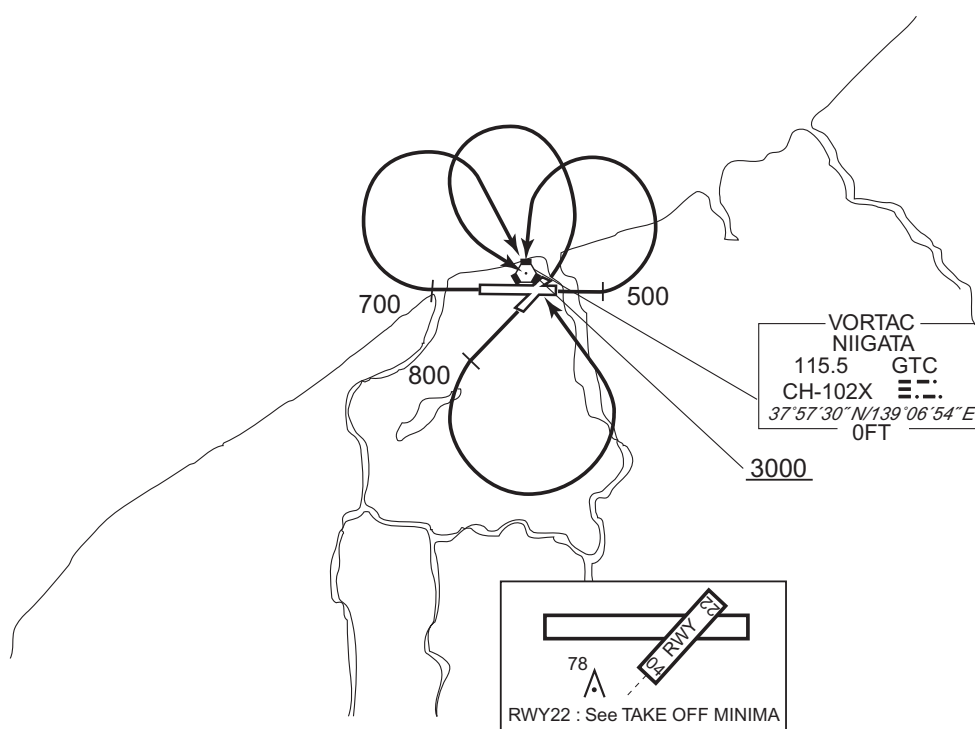
## STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

SID

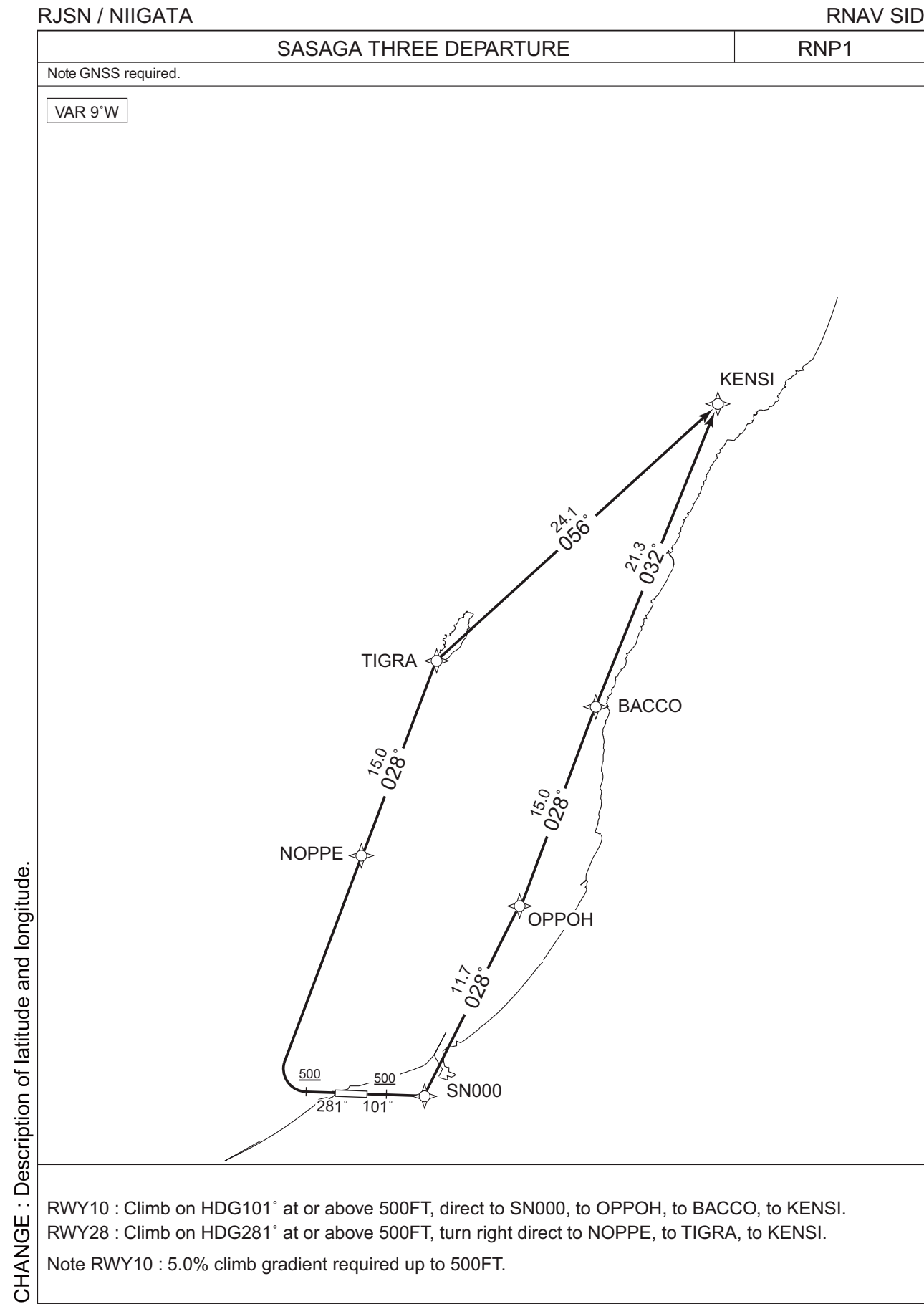
NIIGATA REVERSAL SEVEN DEPARTURE

- RWY 04 : Turn left...  
 RWY 10 : Climb RWY HDG to 500FT, turn left...  
 RWY 22 : Climb RWY HDG to 800FT, turn left...  
 RWY 28 : Climb RWY HDG to 700FT, turn right...  
 ...direct to GTC VORTAC.  
 Cross GTC VORTAC at or above 3000FT.



CHANGE : PROC renamed. ALT restriction.

STANDARD DEPARTURE CHART-INSTRUMENT



STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

RNAV SID

SASAGA 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              | -                   | -        | 101<br>(092.7) | -8.6               | -             | -              | +500          | -            | -              | RNP1                     |
| 002           | DF              | SN000               | -        | -              | -8.6               | -             | -              | -             | -            | -              | RNP1                     |
| 003           | TF              | OPPOH               | -        | 028<br>(019.7) | -8.6               | 11.7          | -              | -             | -            | -              | RNP1                     |
| 004           | TF              | BACCO               | -        | 028<br>(019.1) | -8.6               | 15.0          | -              | -             | -            | -              | RNP1                     |
| 005           | TF              | KENSI               | -        | 032<br>(023.0) | -8.6               | 21.3          | -              | -             | -            | -              | 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              | -                   | -        | 281<br>(272.7) | -8.6               | -             | -              | +500          | -            | -              | RNP1                     |
| 002           | DF              | NOPPE               | -        | -              | -8.6               | -             | R              | -             | -            | -              | RNP1                     |
| 003           | TF              | TIGRA               | -        | 028<br>(018.9) | -8.6               | 15.0          | -              | -             | -            | -              | RNP1                     |
| 004           | TF              | KENSI               | -        | 056<br>(047.3) | -8.6               | 24.1          | -              | -             | -            | -              | RNP1                     |

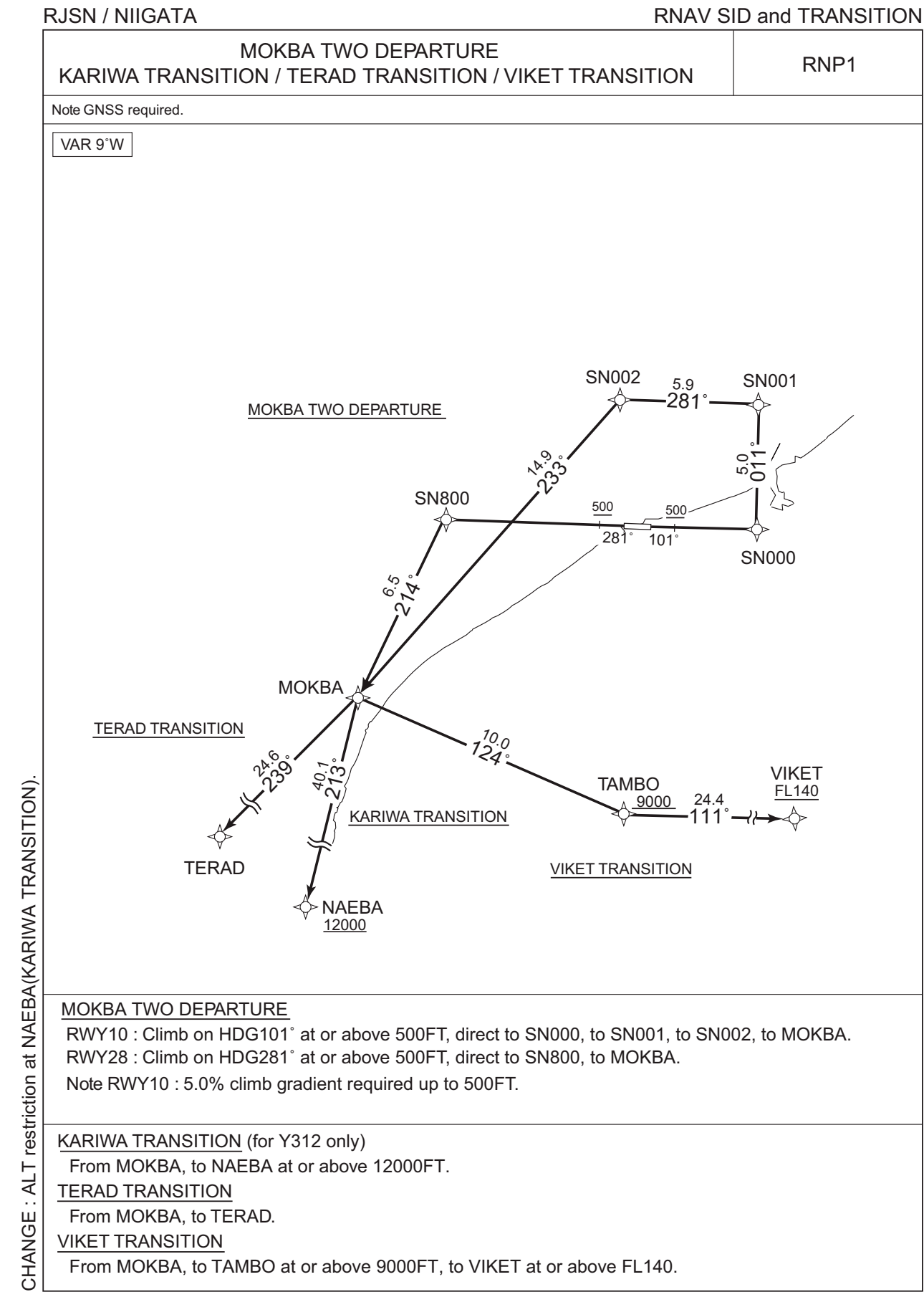
Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| SN000               | 375707.7N / 1391314.7E | NOPPE               | 381125.5N / 1390617.6E |
| OPPOH               | 380808.4N / 1391816.3E | TIGRA               | 382536.8N / 1391230.4E |
| BACCO               | 382219.9N / 1392431.5E | KENSI               | 384155.7N / 1393512.1E |

CHANGE : Waypoint Coordinates added.



STANDARD DEPARTURE CHART-INSTRUMENT



STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

RNAV SID and TRANSITION

MOKBA 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              | -                   | -        | 101 (092.7)   | -8.6               | -             | -              | +500          | -            | -              | RNP1                     |
| 002           | DF              | SN000               | -        | -             | -8.6               | -             | -              | -             | -            | -              | RNP1                     |
| 003           | TF              | SN001               | -        | 011 (002.7)   | -8.6               | 5.0           | -              | -             | -            | -              | RNP1                     |
| 004           | TF              | SN002               | -        | 281 (272.8)   | -8.6               | 5.9           | -              | -             | -            | -              | RNP1                     |
| 005           | TF              | MOKBA               | -        | 233 (224.9)   | -8.6               | 14.9          | -              | -             | -            | -              | 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              | -                   | -        | 281 (272.7)   | -8.6               | -             | -              | +500          | -            | -              | RNP1                     |
| 002           | DF              | SN800               | -        | -             | -8.6               | -             | -              | -             | -            | -              | RNP1                     |
| 003           | TF              | MOKBA               | -        | 214 (205.6)   | -8.6               | 6.5           | -              | -             | -            | -              | RNP1                     |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            |
|---------------------|------------------------|
| SN000               | 375707.7N / 1391314.7E |
| SN001               | 380207.7N / 1391332.9E |
| SN002               | 380224.7N / 1390602.0E |
| SN800               | 375745.2N / 1385620.0E |
| MOKBA               | 375152.0N / 1385245.3E |

CHANGE : Waypoint Coordinates added.

STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

RNAV SID and TRANSITION

KARIWA 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              | MOKBA               | -        | -              | -8.6               | -             | -              | -             | -            | -              | RNP1                     |
| 002           | TF              | NAEBA               | -        | 213<br>(204.2) | -8.6               | 40.1          | -              | +12000        | -            | -              | RNP1                     |

TERAD 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              | MOKBA               | -        | -              | -8.6               | -             | -              | -             | -            | -              | RNP1                     |
| 002           | TF              | TERAD               | -        | 239<br>(230.5) | -8.6               | 24.6          | -              | -             | -            | -              | RNP1                     |

VIKET TRANSITION

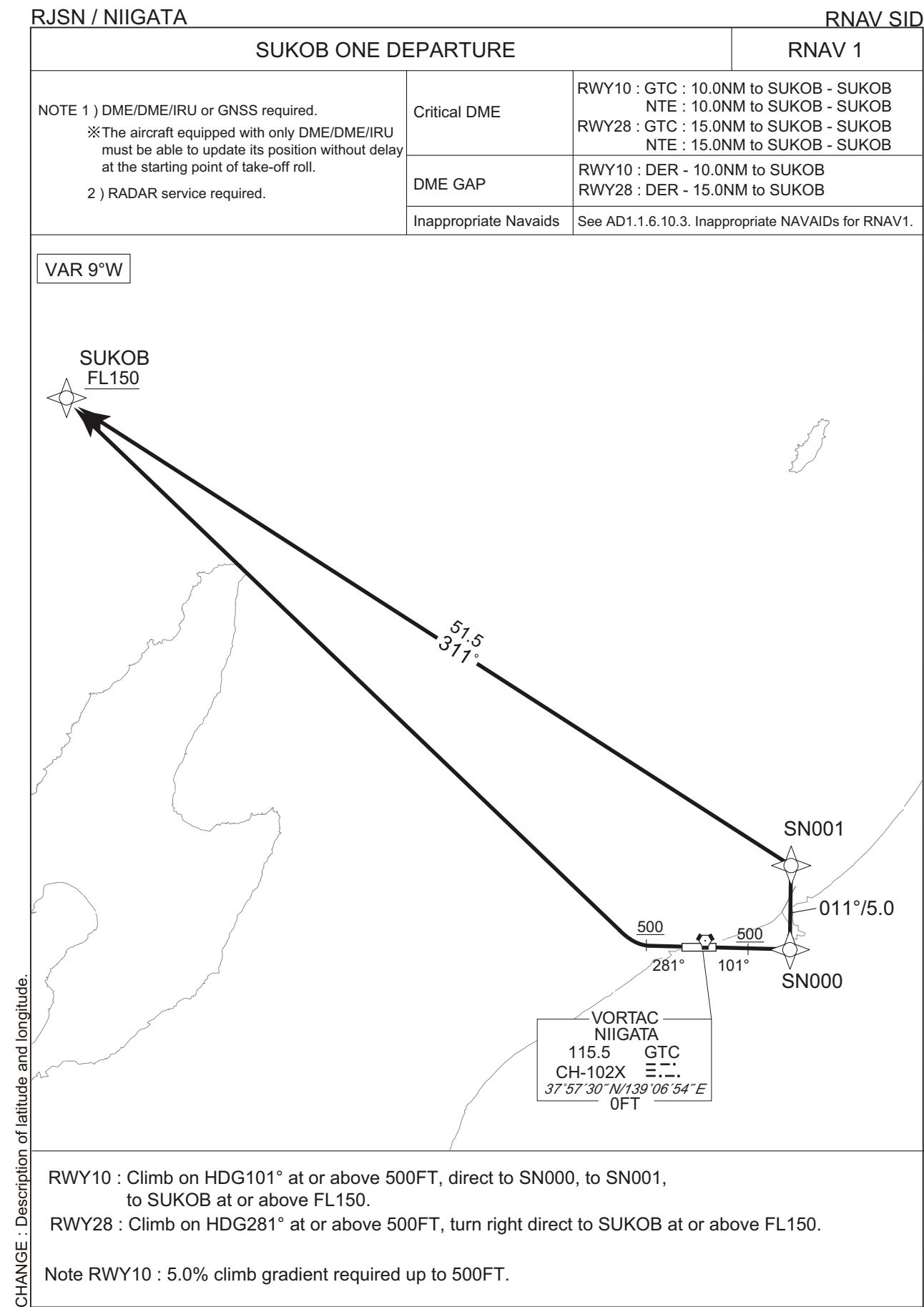
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | MOKBA               | -        | -              | -8.6               | -             | -              | -             | -            | -              | RNP1                     |
| 002           | TF              | TAMBO               | -        | 124<br>(115.8) | -8.6               | 10.0          | -              | +9000         | -            | -              | RNP1                     |
| 003           | TF              | VIKET               | -        | 111<br>(102.7) | -8.6               | 24.4          | -              | +FL140        | -            | -              | RNP1                     |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            |
|---------------------|------------------------|
| MOKBA               | 375152.0N / 1385245.3E |
| NAEBA               | 371514.9N / 1383208.6E |
| TERAD               | 373613.2N / 1382849.2E |
| TAMBO               | 374730.9N / 1390407.4E |
| VIKET               | 374205.1N / 1393414.6E |

CHANGE : ALT restriction at NAEBA. Waypoint Coordinates added.

STANDARD DEPARTURE CHART-INSTRUMENT



STANDARD DEPARTURE CHART-INSTRUMENT

RJSN/ NIIGATA

RNAV SID

SUKOB ONE 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              | —                   | —        | 101<br>(092.7) | -8.6               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | SN000               | —        | —              | -8.6               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | SN001               | —        | 011<br>(002.7) | -8.6               | 5.0           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | SUKOB               | —        | 311<br>(302.2) | -8.6               | 51.5          | —              | +FL150        | —            | —              | RNAV1                    |

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              | —                   | —        | 281<br>(272.7) | -8.6               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | SUKOB               | —        | —              | -8.6               | —             | R              | +FL150        | —            | —              | RNAV1                    |

Waypoint Coordinates

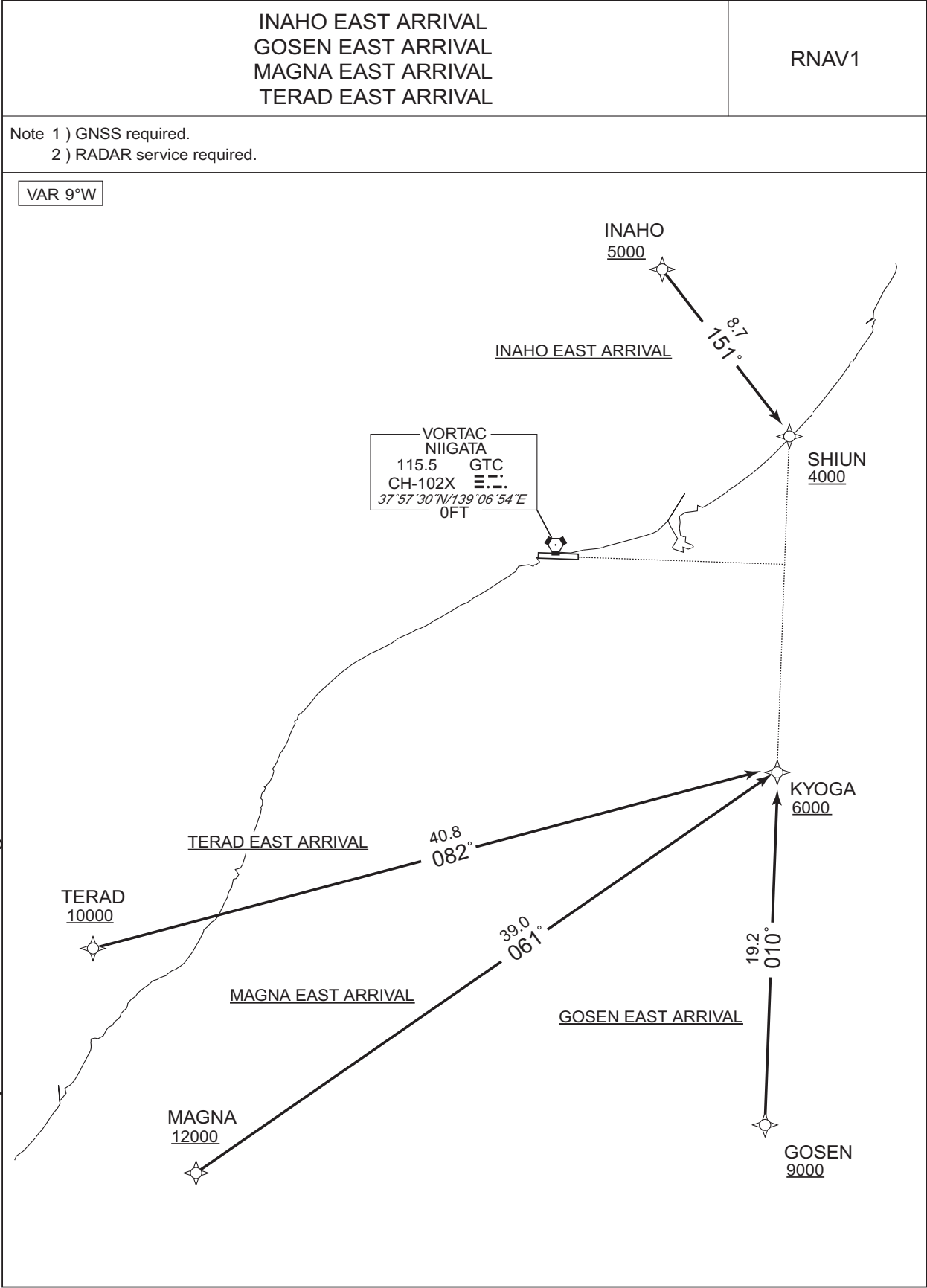
| Waypoint Identifier | Coordinates            |
|---------------------|------------------------|
| SN000               | 375707.7N / 1391314.7E |
| SN001               | 380207.7N / 1391332.9E |
| SUKOB               | 382919.9N / 1381752.8E |

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART-INSTRUMENT

RJSN / NIIGATA

RNAV STAR RWY28





## STANDARD ARRIVAL CHART-INSTRUMENT

RJSN / NIIGATA

RNAV STAR RWY28

INAHO EAST ARRIVAL

From INAHO at or above 5000FT, to SHIUN at or above 4000FT.

|                        |   |
|------------------------|---|
| Critical DME           | —   |
| DME GAP                | INAHO - SHIUN                                     |
| Inappropriate Nav aids | 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              | INAHO               | —        | —              | -8.6               | —             | —              | +5000         | —            | —              | RNAV1                    |
| 002           | TF              | SHIUN               | —        | 151<br>(141.9) | -8.6               | 8.7           | —              | +4000         | —            | —              | RNAV1                    |

GOSEN EAST ARRIVAL

From GOSEN at or above 9000FT, to KYOGA at or above 6000FT.

|                        |   |
|------------------------|---|
| Critical DME           | —   |
| DME GAP                | GOSEN - KYOGA                                     |
| Inappropriate Nav aids | 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              | GOSEN               | —        | —              | -8.6               | —             | —              | +9000         | —            | —              | RNAV1                    |
| 002           | TF              | KYOGA               | —        | 010<br>(000.9) | -8.6               | 19.2          | —              | +6000         | —            | —              | RNAV1                    |

MAGNA EAST ARRIVAL

From MAGNA at or above 12000FT, to KYOGA at or above 6000FT.

|                        |  |
|------------------------|--|
| Critical DME           | GTC:MAGNA - 10.0NM to KYOGA<br>NTE:MAGNA - 10.0NM to KYOGA |
| DME GAP                | 10.0NM to KYOGA - KYOGA                                    |
| Inappropriate Nav aids | 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              | MAGNA               | —        | —              | -8.6               | —             | —              | +12000        | —            | —              | RNAV1                    |
| 002           | TF              | KYOGA               | —        | 061<br>(052.0) | -8.6               | 39.0          | —              | +6000         | —            | —              | RNAV1                    |

CHANGE : Update.

STANDARD ARRIVAL CHART-INSTRUMENT

RJSN / NIIGATA

RNAV STAR RWY28

TERAD EAST ARRIVAL

From TERAD at or above 10000FT, to KYOGA at or above 6000FT.

|                        |   |
|------------------------|---|
| Critical DME           | —   |
| DME GAP                | TERAD - KYOGA                                     |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

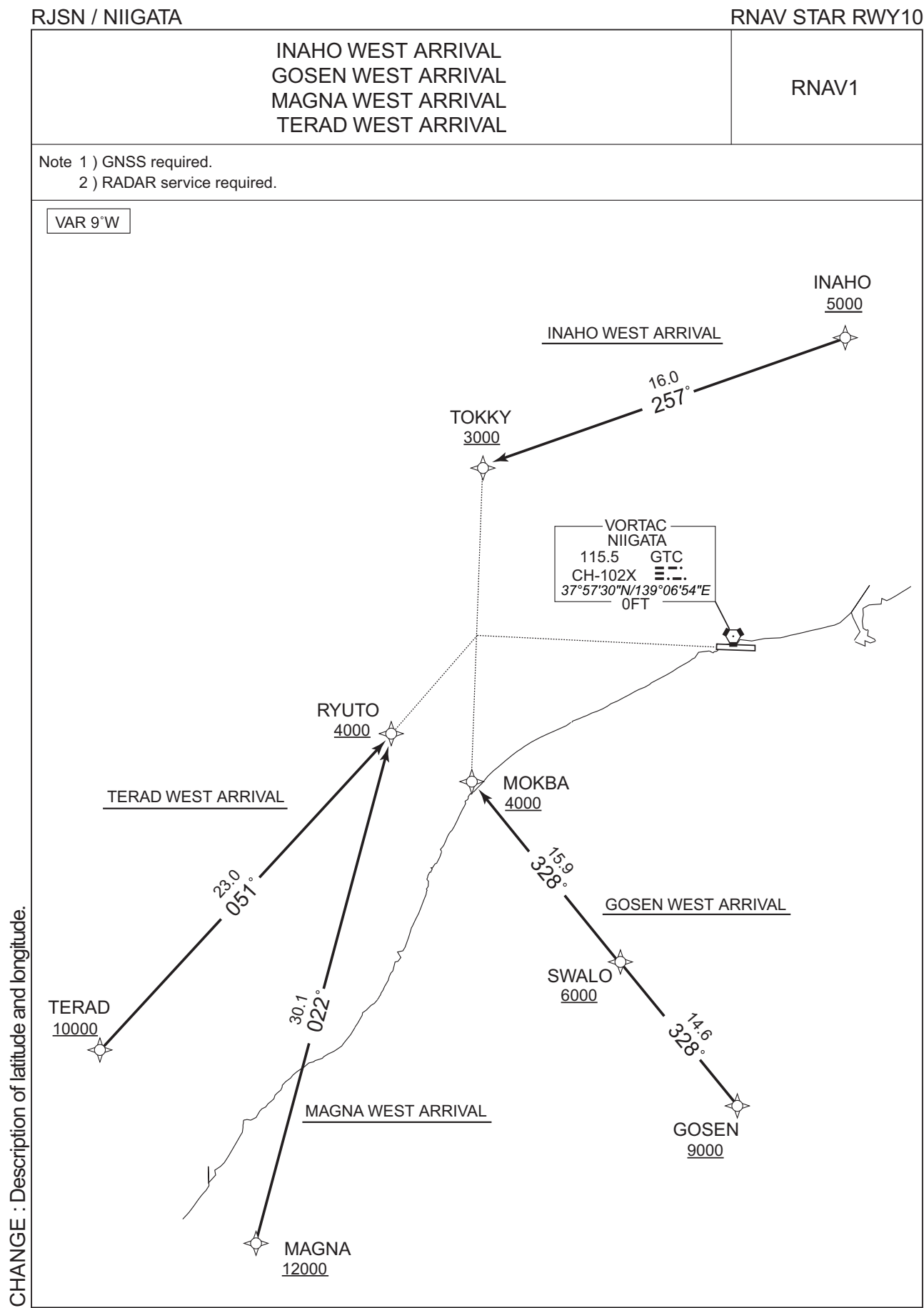
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | TERAD               | —        | —              | -8.6               | —             | —              | +10000        | —            | —              | RNAV1                    |
| 002           | TF              | KYOGA               | —        | 082<br>(073.1) | -8.6               | 40.8          | —              | +6000         | —            | —              | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| INAHO               | 380947.1N / 1391217.1E | MAGNA               | 372400.1N / 1383916.8E |
| SHIUN               | 380255.0N / 1391907.0E | TERAD               | 373613.2N / 1382849.2E |
| GOSEN               | 372844.0N / 1391747.3E | KYOGA               | 374755.0N / 1391811.2E |

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART-INSTRUMENT



## STANDARD ARRIVAL CHART-INSTRUMENT

RJSN / NIIGATA

RNAV STAR RWY10

INAHO WEST ARRIVAL

From INAHO at or above 5000FT, to TOKKY at or above 3000FT.

|                        |   |
|------------------------|---|
| Critical DME           | —   |
| DME GAP                | INAHO - TOKKY                                     |
| Inappropriate Nav aids | 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              | INAHO               | —        | —              | -8.6               | —             | —              | +5000         | —            | —              | RNAV1                    |
| 002           | TF              | TOKKY               | —        | 257<br>(248.3) | -8.6               | 16.0          | —              | +3000         | —            | —              | RNAV1                    |

GOSEN WEST ARRIVAL

From GOSEN at or above 9000FT, to SWALO at or above 6000FT, to MOKBA at or above 4000FT.

|                        |   |
|------------------------|---|
| Critical DME           | —   |
| DME GAP                | GOSEN - MOKBA                                     |
| Inappropriate Nav aids | 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              | GOSEN               | —        | —              | -8.6               | —             | —              | +9000         | —            | —              | RNAV1                    |
| 002           | TF              | SWALO               | —        | 328<br>(319.5) | -8.6               | 14.6          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | MOKBA               | —        | 328<br>(319.4) | -8.6               | 15.9          | —              | +4000         | —            | —              | RNAV1                    |

MAGNA WEST ARRIVAL

From MAGNA at or above 12000FT, to RYUTO at or above 4000FT.

|                        |  |
|------------------------|--|
| Critical DME           | GTC:MAGNA - 15.0NM to RYUTO<br>NTE:MAGNA - 15.0NM to RYUTO |
| DME GAP                | 15.0NM to RYUTO - RYUTO                                    |
| Inappropriate Nav aids | 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              | MAGNA               | —        | —              | -8.6               | —             | —              | +12000        | —            | —              | RNAV1                    |
| 002           | TF              | RYUTO               | —        | 022<br>(013.6) | -8.6               | 30.1          | —              | +4000         | —            | —              | RNAV1                    |

CHANGE : Update.

STANDARD ARRIVAL CHART-INSTRUMENT

RJSN / NIIGATA

RNAV STAR RWY10

TERAD WEST ARRIVAL

From TERAD at or above 10000FT, to RYUTO at or above 4000FT.

|                        |   |
|------------------------|---|
| Critical DME           | —   |
| DME GAP                | TERAD - RYUTO                                     |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

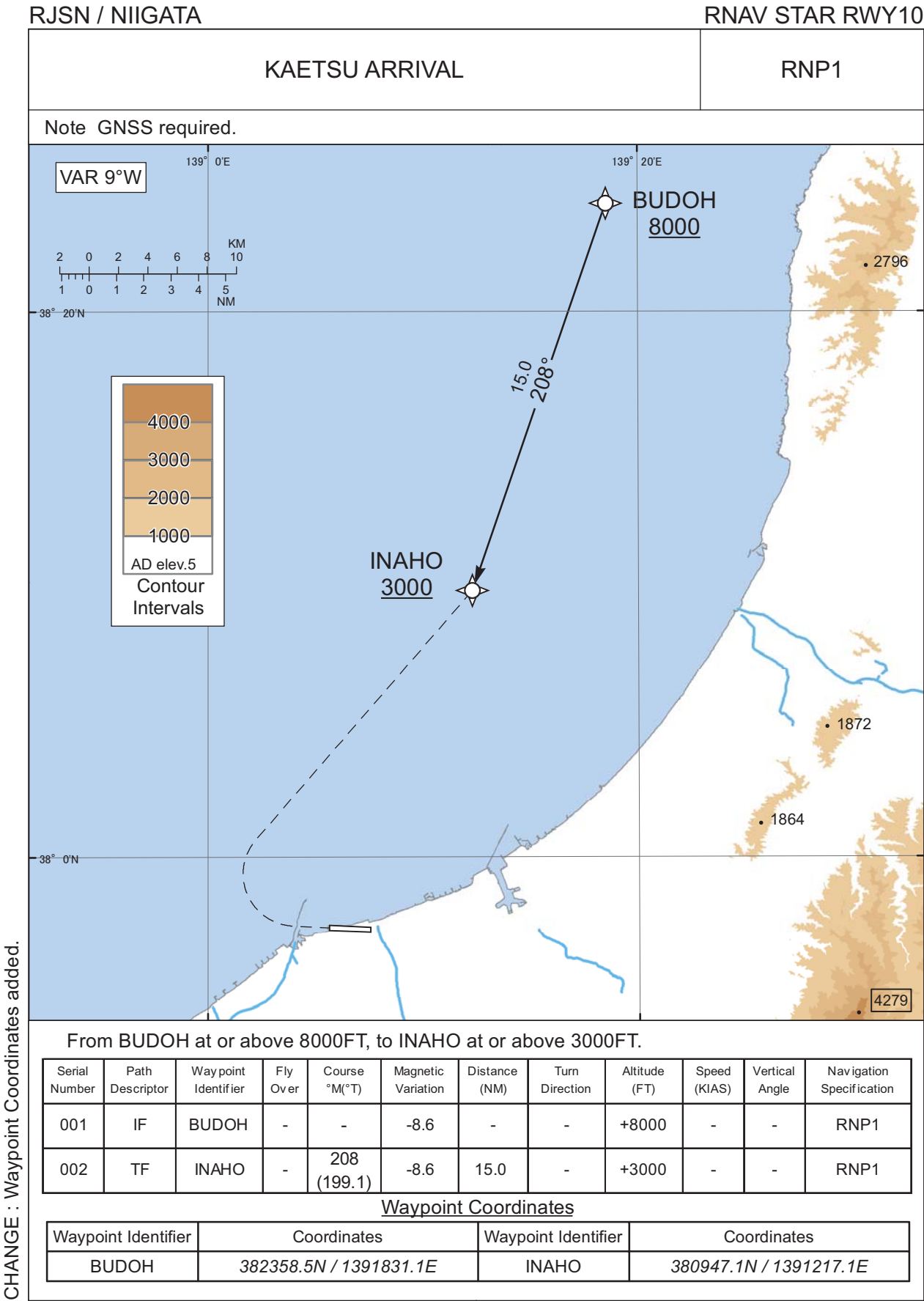
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | TERAD               | —        | —              | -8.6               | —             | —              | +10000        | —            | —              | RNAV1                    |
| 002           | TF              | RYUTO               | —        | 051<br>(041.9) | -8.6               | 23.0          | —              | +4000         | —            | —              | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| INAHO               | 380947.1N / 1391217.1E | MOKBA               | 375152.0N / 1385245.3E |
| TOKKY               | 380352.0N / 1385327.4E | MAGNA               | 372400.1N / 1383916.8E |
| GOSEN               | 372844.0N / 1391747.3E | TERAD               | 373613.2N / 1382849.2E |
| SWALO               | 373949.5N / 1390549.9E | RYUTO               | 375315.5N / 1384814.5E |

CHANGE : Waypoint Coordinates added.

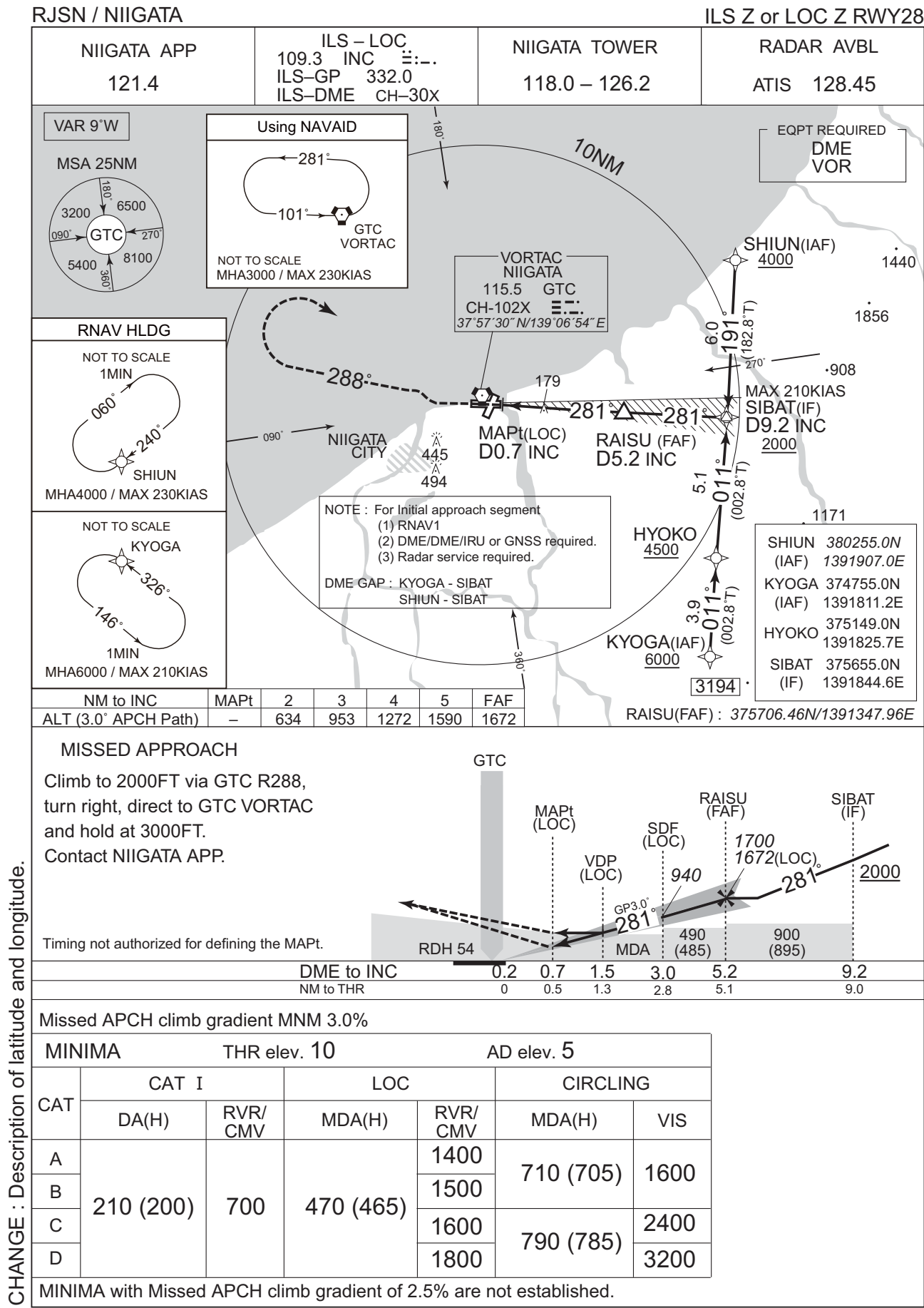
STANDARD ARRIVAL CHART-INSTRUMENT



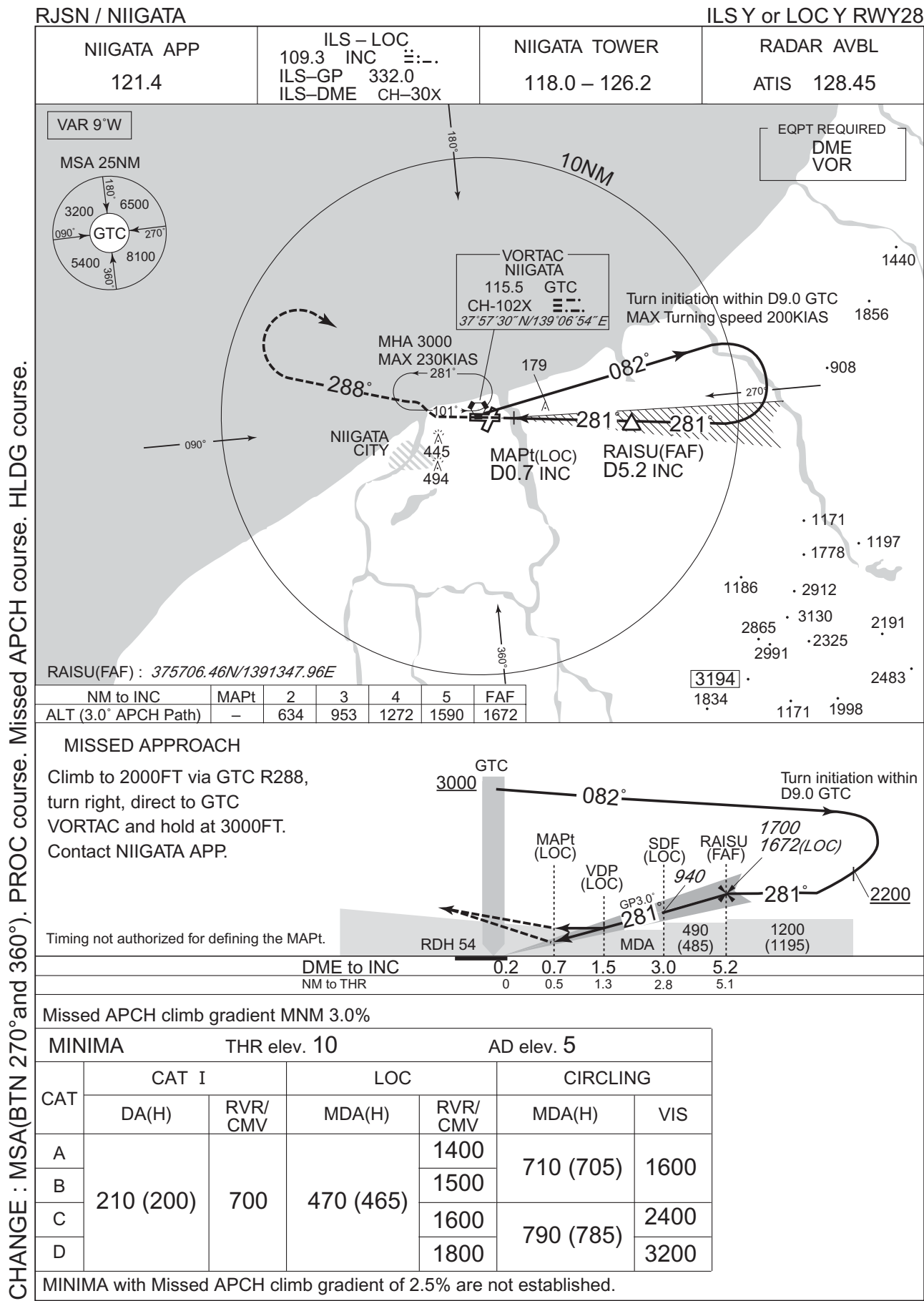


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INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

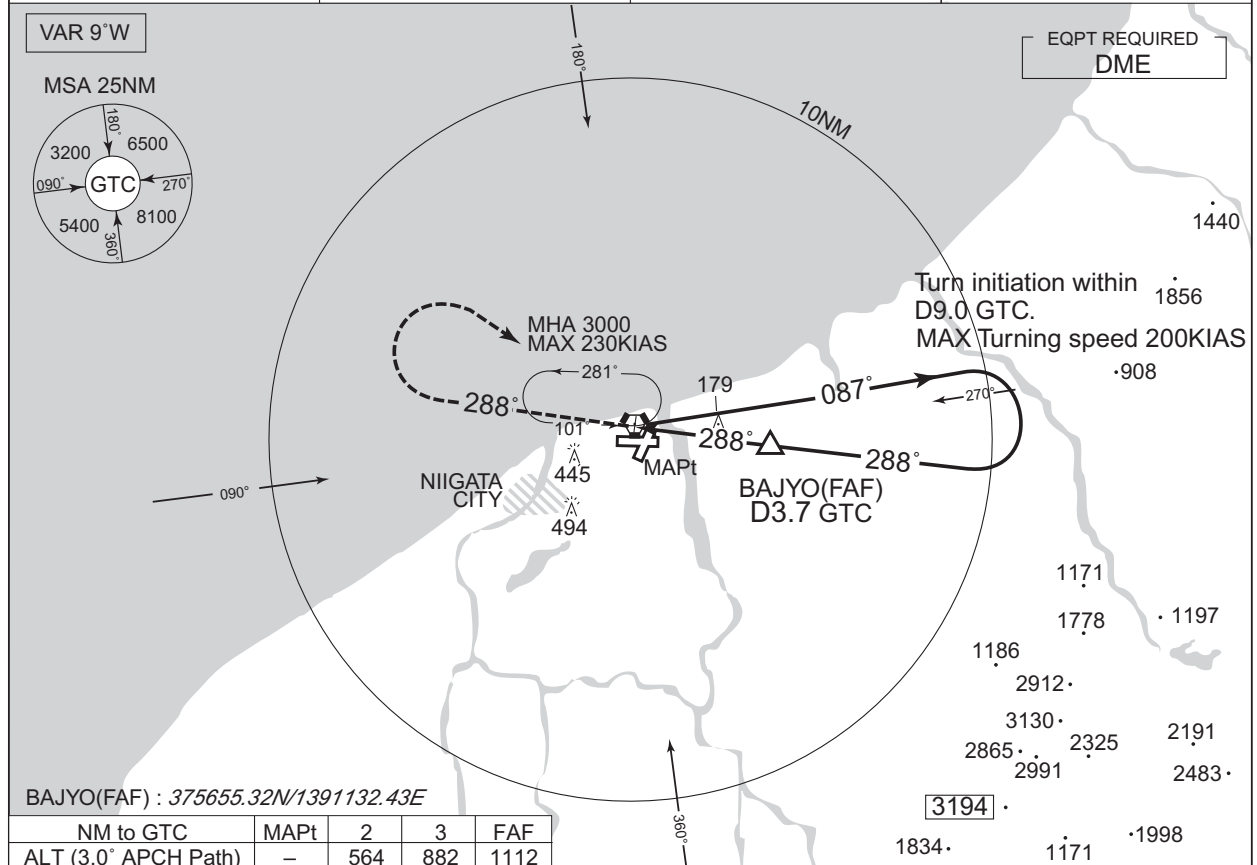


INSTRUMENT APPROACH CHART

RJSN / NIIGATA

VOR RWY28

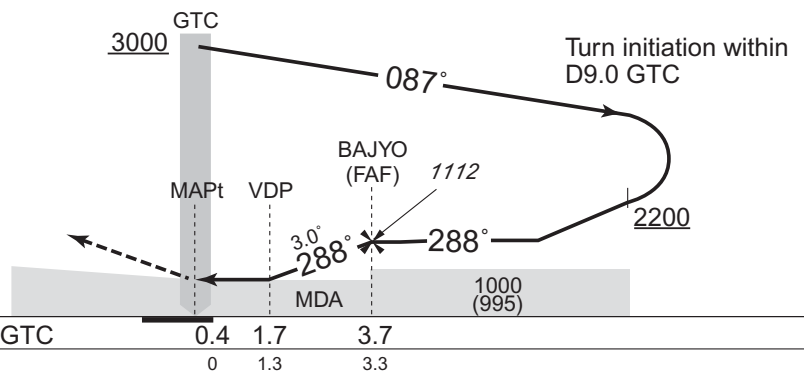
|                      |  |                                |                                |
|----------------------|--|--------------------------------|--------------------------------|
| NIIGATA APP<br>121.4 | NIIGATA VORTAC<br>115.5 GTC<br>CH-102X 三三:<br>37°57'30"N / 139°06'54"E | NIIGATA TOWER<br>118.0 – 126.2 | RADAR AVAILABLE<br>ATIS 128.45 |
|----------------------|--|--------------------------------|--------------------------------|



MISSED APPROACH

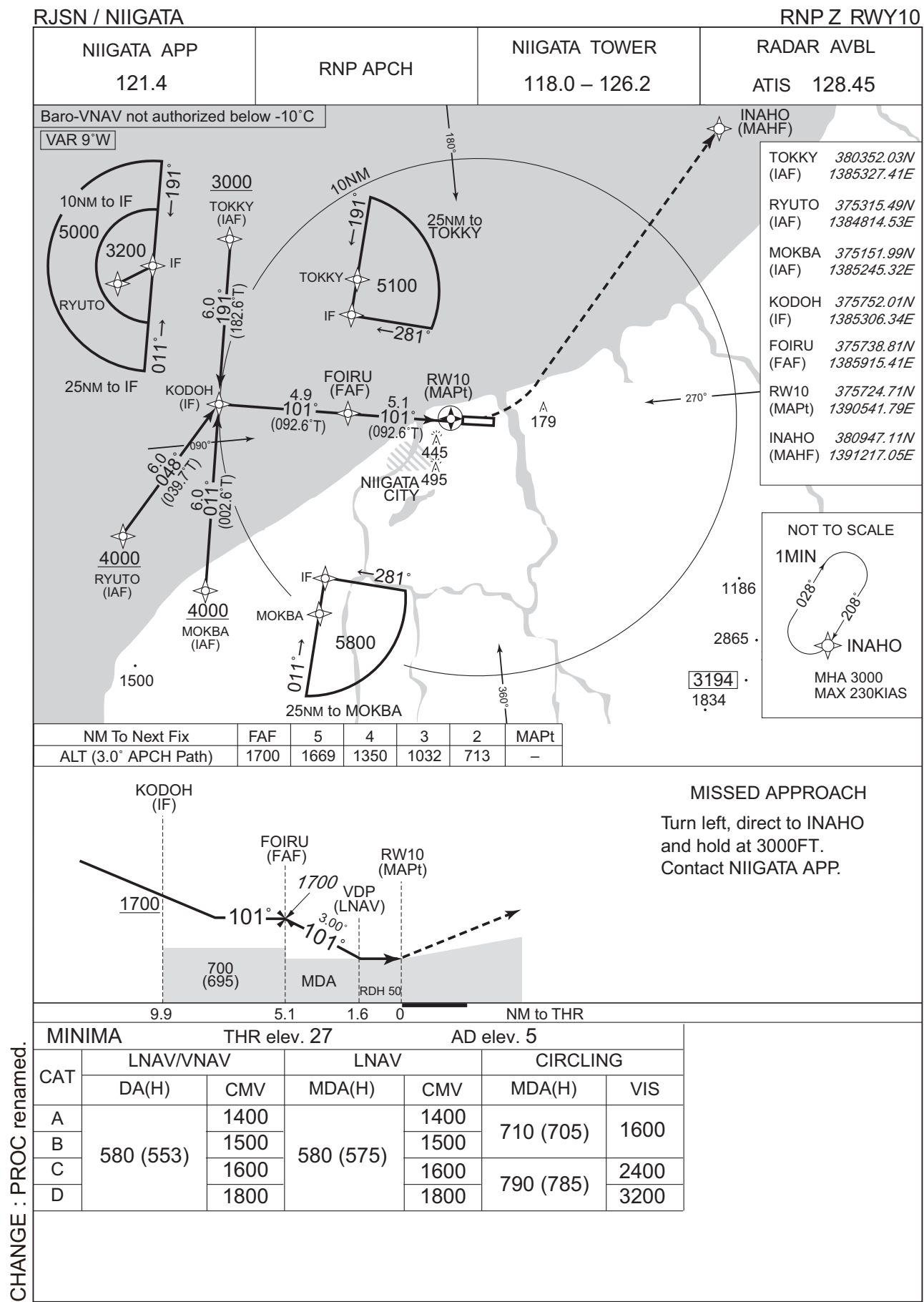
Climb to 2000FT via GTC R288,  
 turn right, direct to GTC VORTAC  
 and hold at 3000FT.  
 Contact NIIGATA APP.

Timing not authorized for defining the MAPt.



| MINIMA |           | THR elev. 10 | AD elev. 5 |      |
|--------|-----------|--------------|------------|------|
| CAT    | CIRCLING  |              |            |      |
|        | MDA(H)    | RVR/CMV      | MDA(H)     | VIS  |
| A      | 450 (445) | 1200         | 710 (705)  | 1600 |
| B      |           | 1300         |            |      |
| C      |           | 1400         | 790 (785)  | 2400 |
| D      |           | 1600         |            | 3200 |

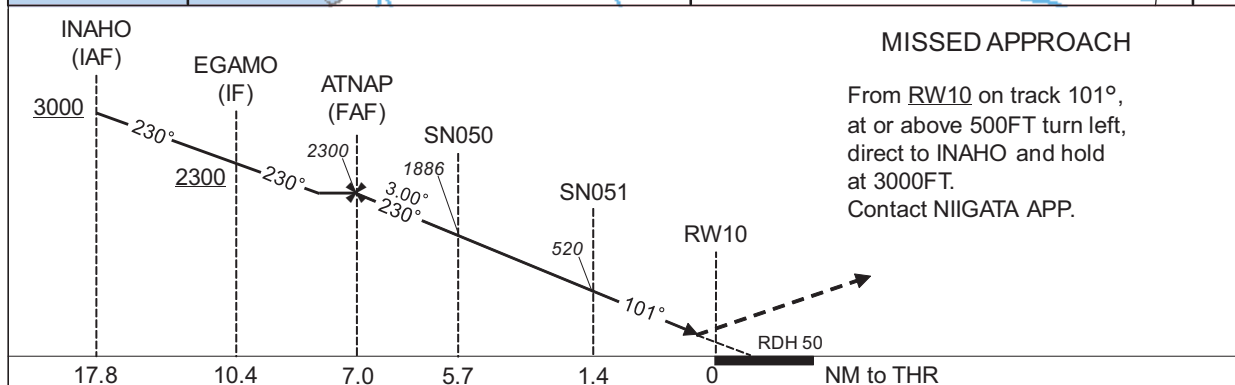
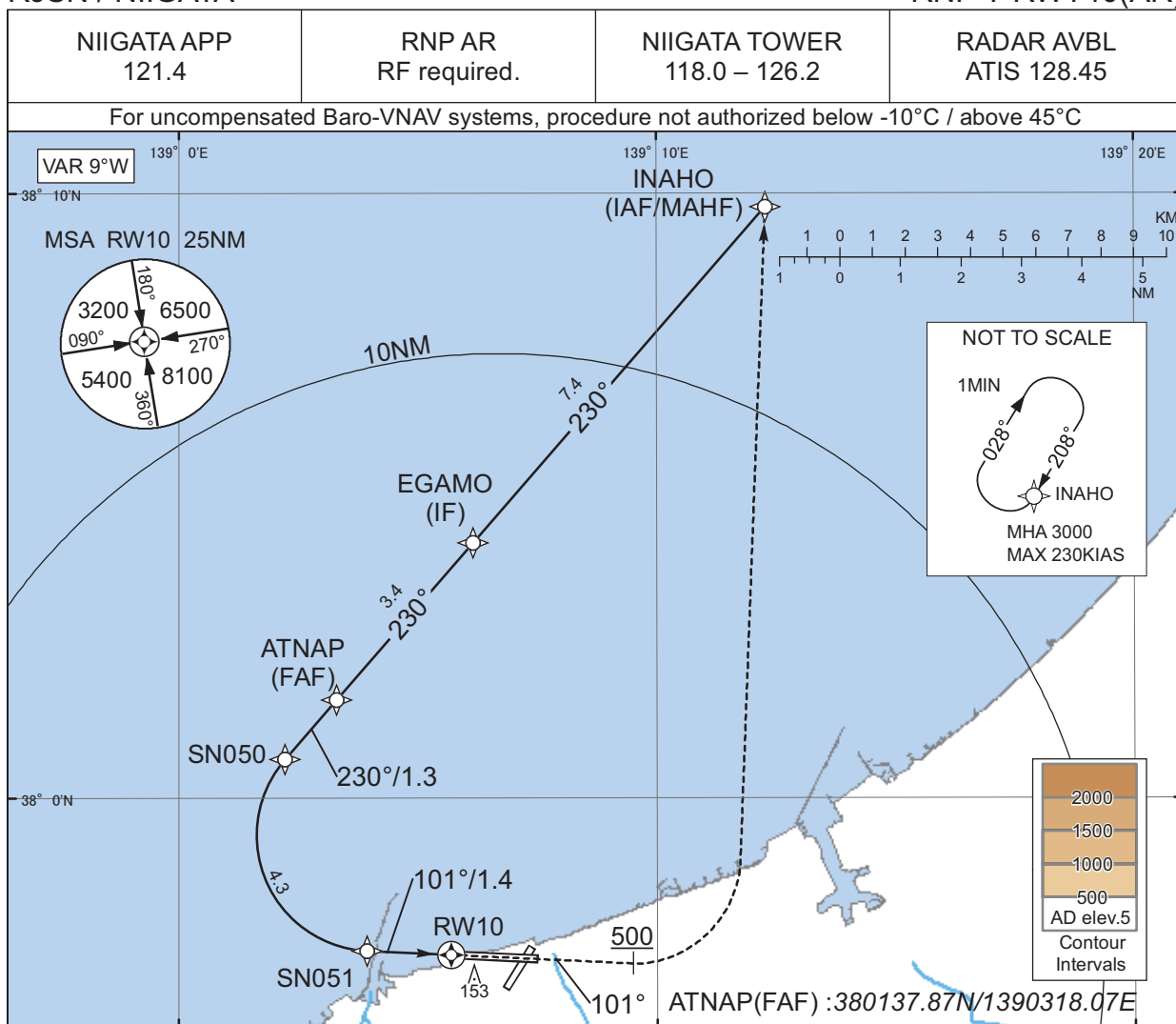
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJSN / NIIGATA

RNP Y RWY10(AR)



CHANGE : New PROC.

| MINIMA | THR elev. 27 | AD elev. 5 |
|--------|--------------|------------|
| CAT    | RNP 0.30     |            |
|        | DA(H)        | CMV        |
| A      | -            | -          |
| B      | -            | -          |
| C      | 305(278)     | 1200       |
| D      | 315(288)     | 1400       |

**Authorization Required**



## INSTRUMENT APPROACH CHART

RJSN / NIIGATA

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                        | INAHO               | -        | -             | -8.6               | -             | -              | +3000         | -            | -               | -         |
| 002           | TF                        | EGAMO               | -        | 230 (221.0)   | -8.6               | 7.4           | -              | +2300         | -            | -               | 1.0       |
| 003           | TF                        | ATNAP               | -        | 230 (220.9)   | -8.6               | 3.4           | -              | 2300          | -            | -               | 1.0       |
| 004           | TF                        | SN050               | -        | 230 (220.9)   | -8.6               | 1.3           | -              | 1886          | -            | -3.00           | 0.3       |
| 005           | RF Center: SNRF1 r=1.91NM | SN051               | -        | -             | -8.6               | 4.3           | L              | 520           | -            | -3.00           | 0.3       |
| 006           | TF                        | RW10                | Y        | 101 (092.7)   | -8.6               | 1.4           | -              | 77            | -            | -3.00/50        | 0.3       |
| 007           | FA                        | -                   | -        | 101 (092.7)   | -8.6               | -             | -              | +500          | -            | -               | 1.0       |
| 008           | DF                        | INAHO               | -        | -             | -8.6               | -             | L              | 3000          | -            | -               | 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 | INAHO               | 208 (199.1)           | -8.6               | 1.0 (-14000)        | R              | 3000                  | FL140                 | -230 (-14000) | 1.0       |

Waypoint Coordinates

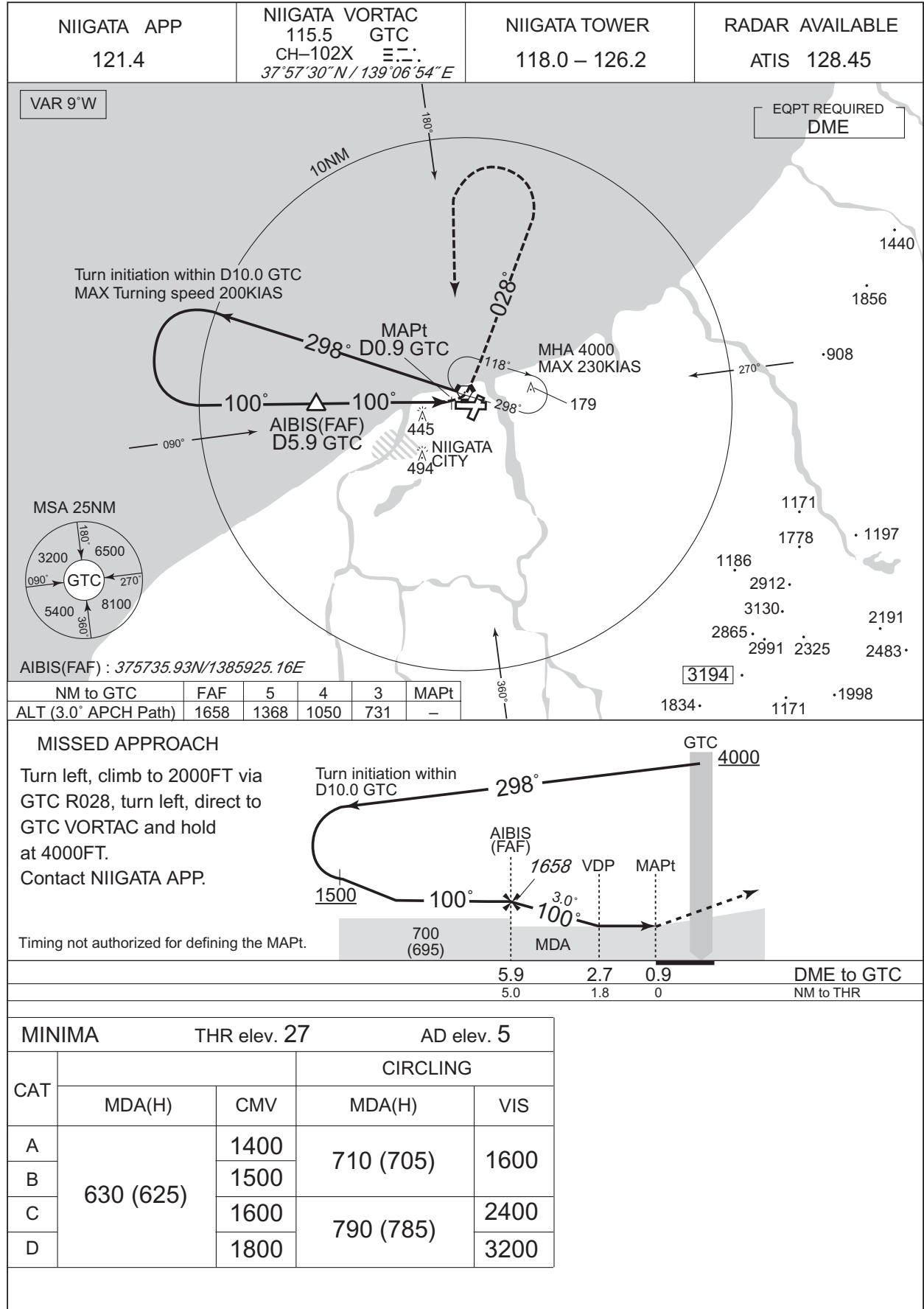
| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| INAHO               | 380947.11N / 1391217.05E | SNRF1                    | 375923.46N / 1390402.94E |
| EGAMO               | 380413.79N / 1390609.55E |                          |                          |
| ATNAP               | 380137.87N / 1390318.07E |                          |                          |
| SN050               | 380038.89N / 1390213.27E |                          |                          |
| SN051               | 375728.60N / 1390356.21E |                          |                          |
| RW10                | 375724.71N / 1390541.79E |                          |                          |

CHANGE : New PROC.

**INSTRUMENT APPROACH CHART**

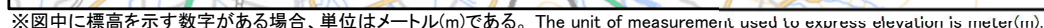
**RJSN / NIIGATA**

**VOR RWY10**



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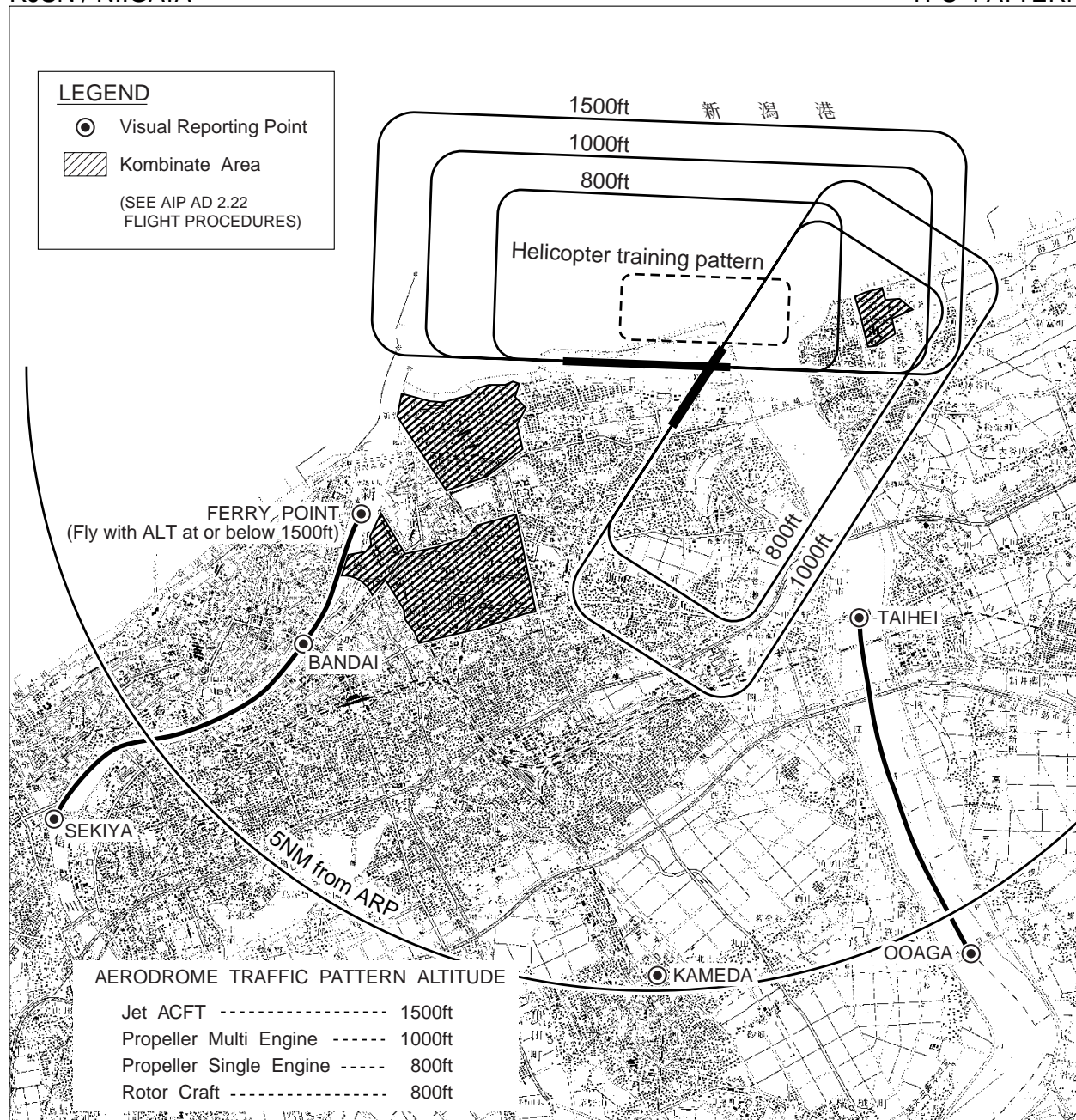
## Visual REP



| Call sign                | BRG / DIST from ARP | Remarks   |
|--------------------------|---------------------|---|
| 胎内<br>Tainai             | 054°T / 14.9NM      | 胎内川河口<br>River-mouth  |
| 6NM N                    | 360°T / 6.0NM       | 海上<br>Over the sea  |
| 網代<br>Ajiro              | 056°T / 6.9NM       | 防波堤突端の赤色灯台<br>Red lighthouse at the tip of breakwater   |
| *フェリーポイント<br>Ferry point | 243°T / 2.6NM       | 万代橋より信濃川下流2kmの地点<br>(1,500FT以下で通過すること)<br>The point 2km down the Shinano from the Bandai Bridge.(Fly with ALT at or below 1500FT) |
| *泰平<br>Taihei            | 141°T / 2.5NM       | 橋<br>Bridge   |
| *万代<br>Bandai            | 232°T / 3.5NM       | 橋<br>Bridge   |
| 関屋<br>Sekiya             | 232°T / 6.0NM       | 分水路への分岐点<br>Diverging-point for Flood-control channel   |
| 月岡<br>Tsukioka           | 118°T / 8.6NM       | JR駅<br>Station  |
| 大阿賀<br>Ooaga             | 152°T / 5.2NM       | 橋<br>Bridge   |
| 亀田<br>Kameda             | 182°T / 4.7NM       | JR駅<br>Station  |
| 新津<br>Niitsu             | 177°T / 9.4NM       | JR駅<br>Station  |

## RJSN / NIIGATA

## TFC PATTERN



阿賀野ルート：大阿賀～泰平間の阿賀野川に沿う飛行経路（回転翼航空機用）

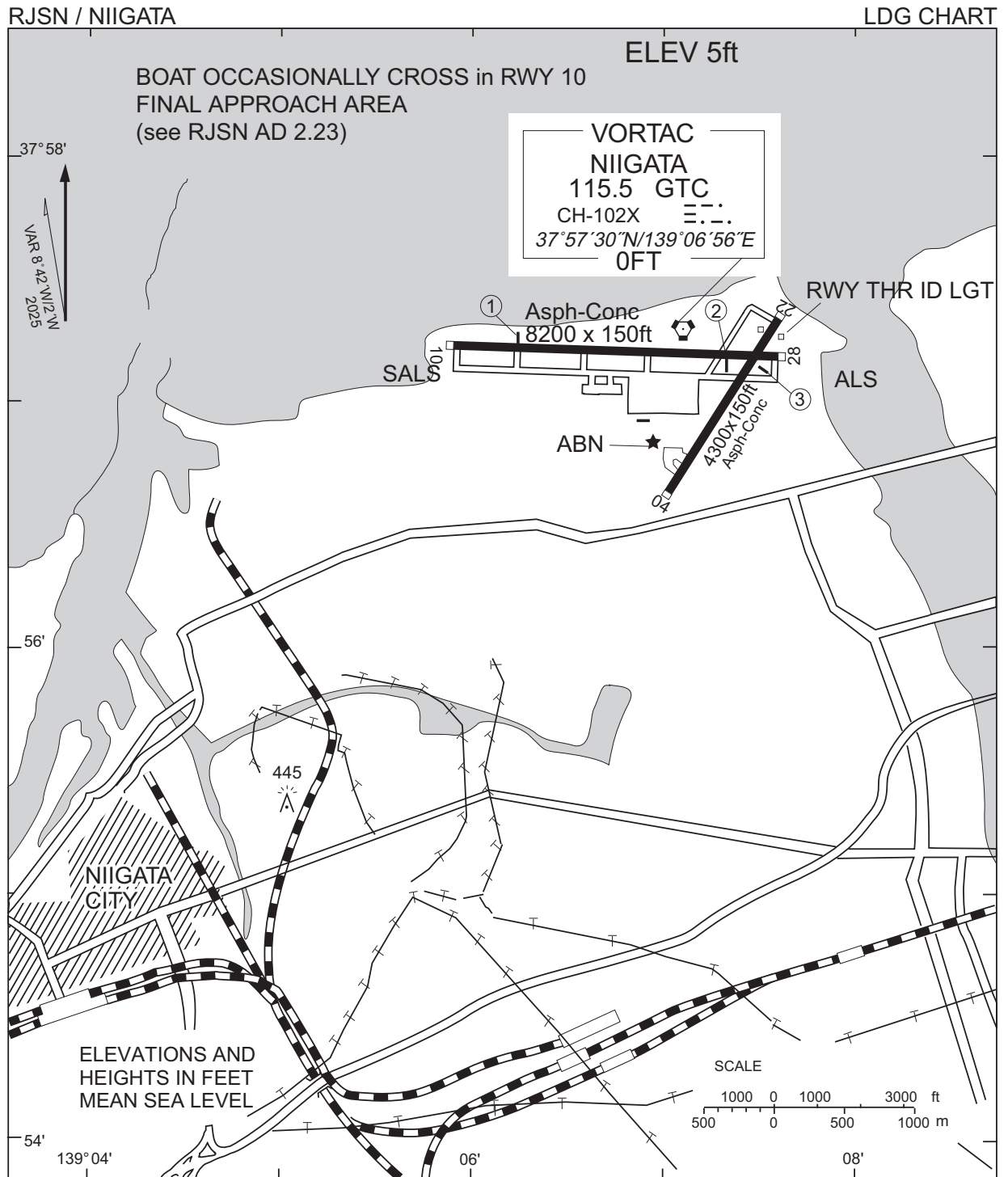
AGANO ROUTE : The route along Agano river between OOAGA and TAIHEI (Use for Rotor Craft)

信濃ルート：関屋～万代～フェリーポイント間の信濃川に沿う飛行経路（回転翼航空機用）

SHINANO ROUTE : The route along Shinano river between SEKIYA, BANDAI and FERRY POINT  
(Use for Rotor Craft)

※新潟タワーから上記ルートによる飛行の指示があった場合、VFR回転翼航空機は空港周辺における航空機騒音軽減のためVMCを維持できない場合を除き可能な限り当該ルートに沿って飛行することが望ましい。

※In order to reduce aircraft noise in the vicinity of airport, VFR Rotor Craft is expected to follow the above mentioned route when insructed by Niigata tower. (except the case of IMC)



CHANGE : VAR.

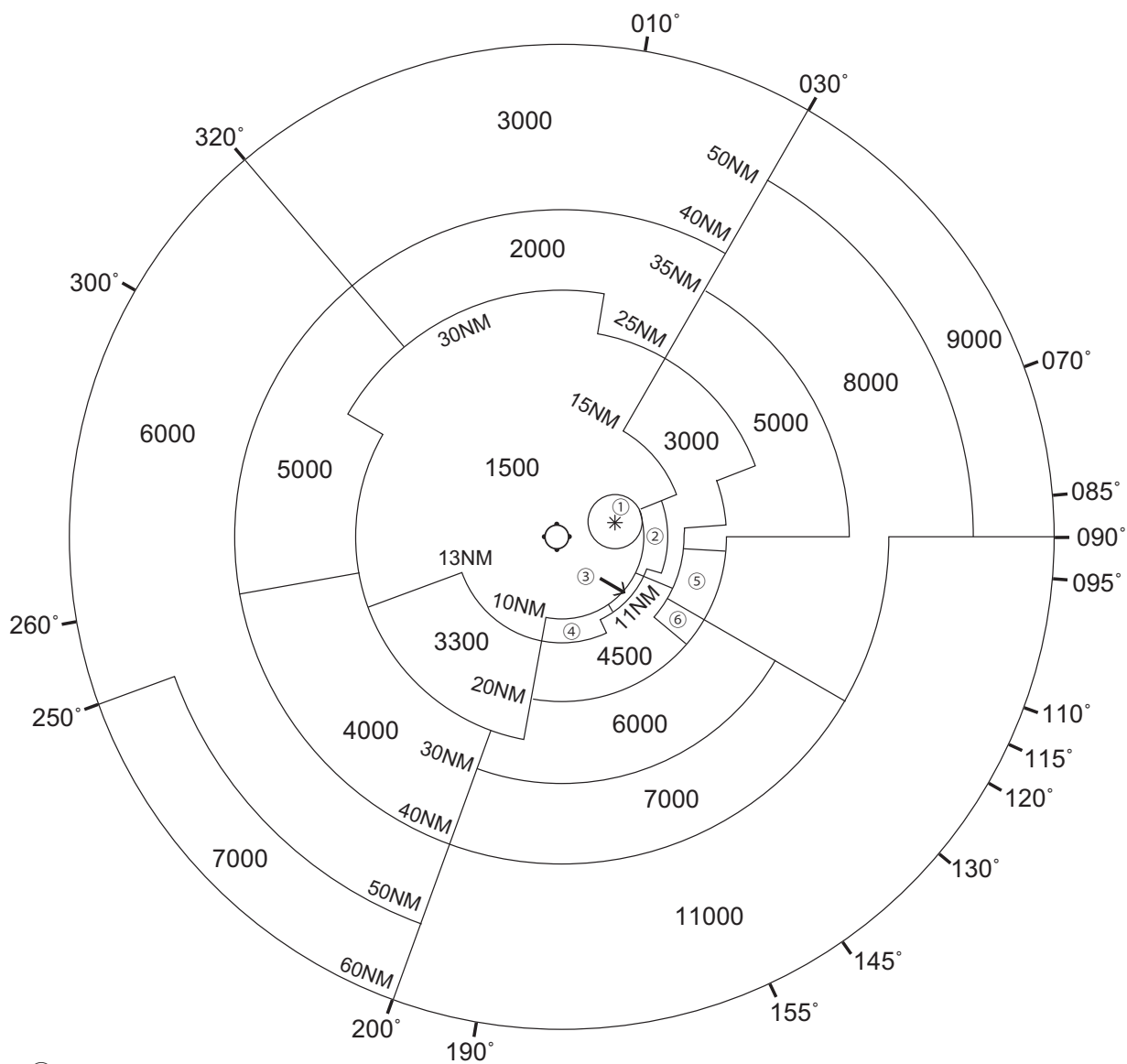
- |                    |                    |                    |
|--------------------|--------------------|--------------------|
| ①RWY10:            | ②RWY28:            | ③RWY22:            |
| Angle 3.0°         | Angle 3.0°         | Angle 3.0°         |
| MEHT 22.9m (75ft)  | MEHT 19.9m (65ft)  | MEHT 18.6m (61ft)  |
| 535m inside fm THR | 455m inside fm THR | 361m inside fm THR |



RJSN / NIIGATA

Minimum Vectoring Altitude CHART

VAR 9°W (2025)



CHANGE : VAR.