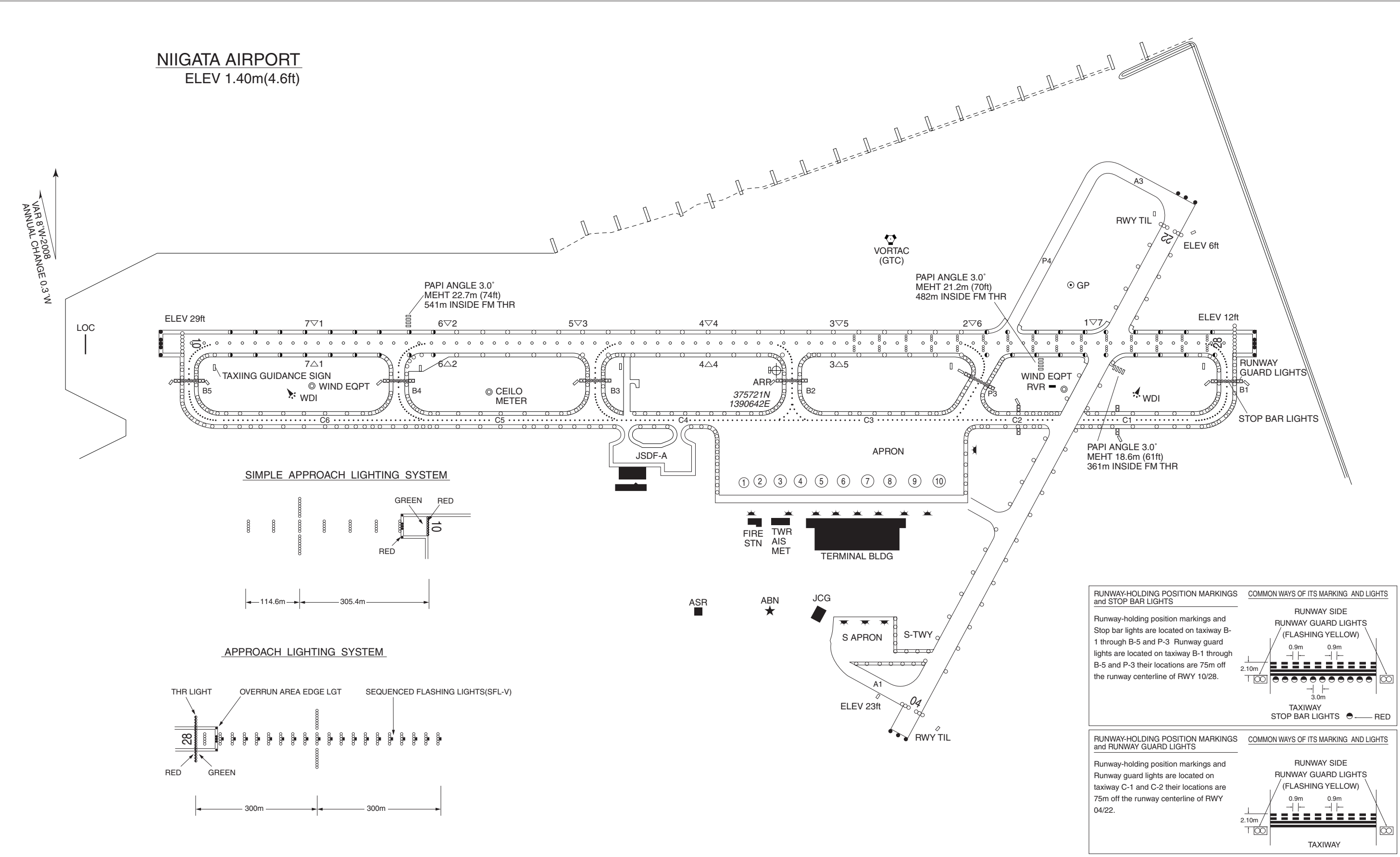


AERODROME CHART



RJSN / NIIGATA

AD CHART



AERODROME OBSTACLE CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8°09' W-APR 2015



| LEGEND |                                     | AMENDMENT RECORD |      |            |
|--------|-------------------------------------|------------------|------|------------|
| ①      | IDENTIFICATION NUMBER               | Nr               | DATE | ENTERED BY |
| ●      | POLE, TOWER, SPIRE, ANTENNA, ETC    |                  |      |            |
| ✱      | TREE                                |                  |      |            |
| —+—+—  | RAILROAD                            |                  |      |            |
| —+—+—  | TRANSMISSION LINE OR OVERHEAD CABLE |                  |      |            |
|        | LEVEE                               |                  |      |            |
| ~      | RIVER                               |                  |      |            |



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

SID

OKESA FIVE DEPARTURE

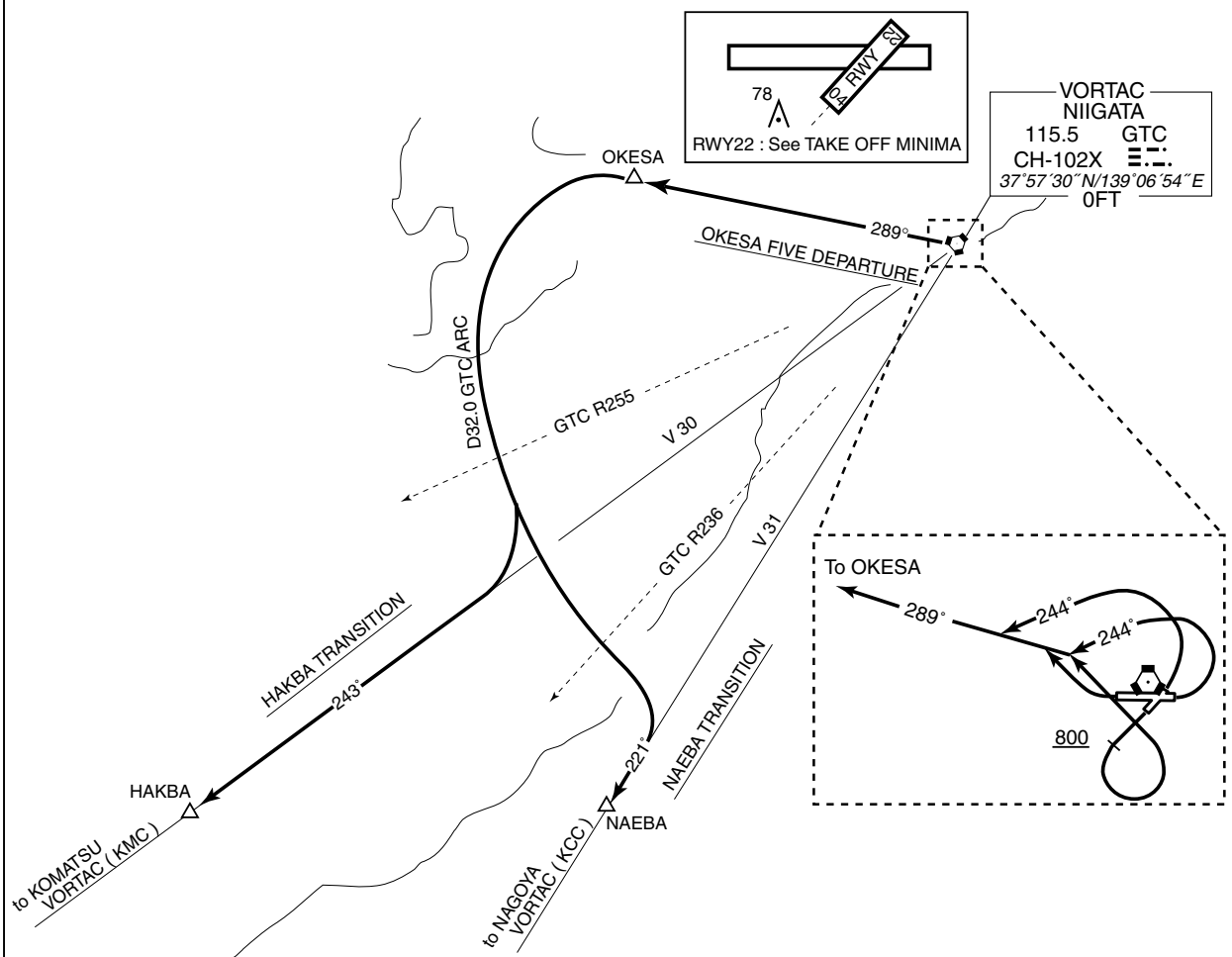
RWY 04/10 : Turn left HDG 244°,...  
 RWY 22 : Climb RWY HDG to 800FT, turn left,...  
 RWY 28 : Turn right,....  
 .... climb via GTC R289 to OKESA.

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 R221 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 R243 to HAKBA.





## STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

SID

KENSI SIX DEPARTURE

RWY 04/10 : Turn left HDG 283°,...

RWY 22 : Climb RWY HDG to 800FT, turn left,...

RWY 28 : Turn right HDG 013°,...

... climb via GTC R328 to GTC 18.0DME, turn right to intercept and proceed via YSE R244 to KENSI.



STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

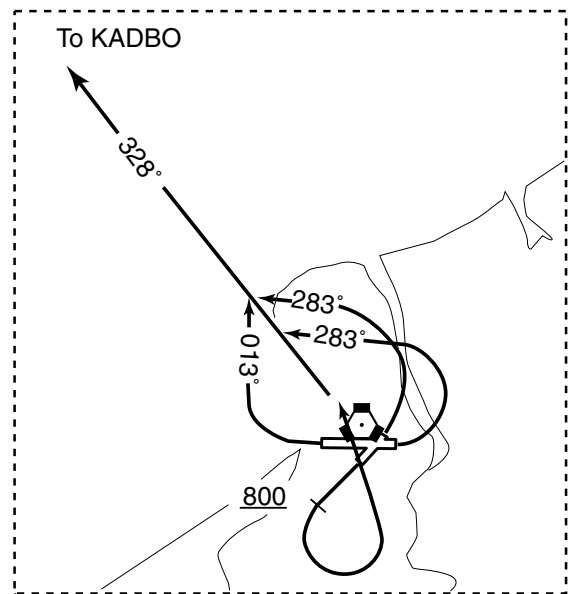
SID

KADBO SIX DEPARTURE

RWY 04/10 : Turn left HDG 283°,...  
RWY 22 : Climb RWY HDG to 800FT, turn left,...  
RWY 28 : Turn right HDG 013°,....  
.... climb via GTC R328 to KADBO.  
Cross KADBO at assigned altitude.

Cross KADBO at  
assigned

KADBO SIX DEPARTURE



VORTAC  
NIIGATA  
115.5 GTC  
CH-102X  
37°57'30"N/139°06'54"E  
0FT



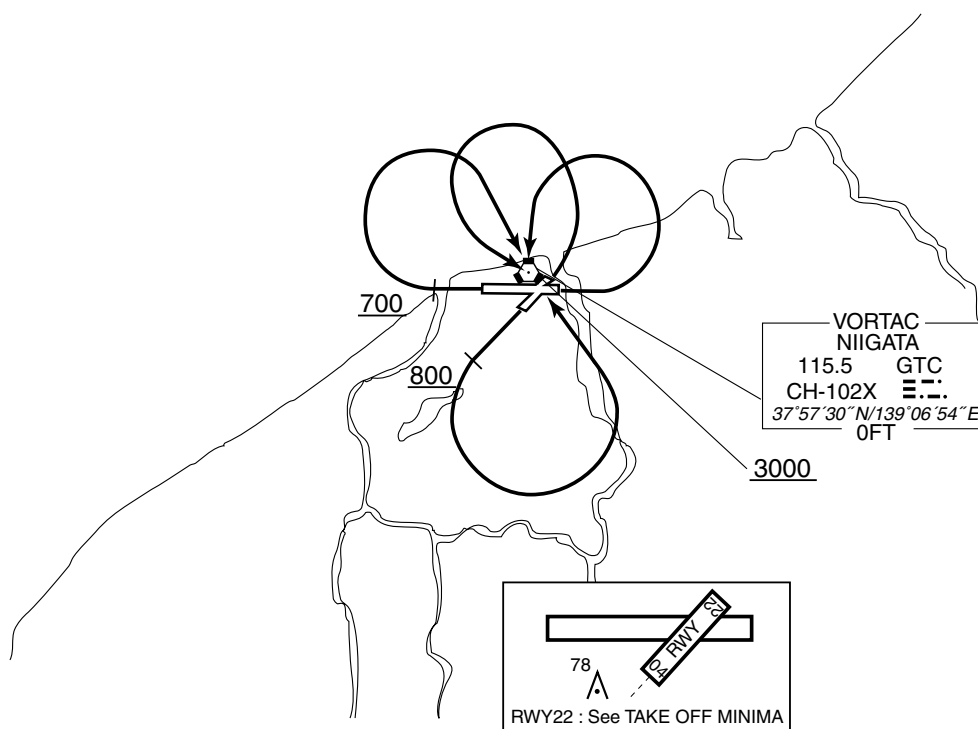
## STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

SID

NIIGATA REVERSAL SIX DEPARTURE

RWY 04/10 : 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.

NIIGATA REVERSAL SIX DEPARTURE



STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

RNAV SID

| SASAGA TWO DEPARTURE   |                       | RNAV1  |
|--|-----------------------|--|
| NOTE 1) DME/DME/IRU or GNSS required.<br>※ 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.<br>2) RADAR service required. | Critical DME          | RWY10 : GTC : 11.0NM to KENSI – 5.0NM to KENSI<br>YTE : 11.0NM to KENSI – 5.0NM to KENSI<br>RWY28 : GTC : 5.0NM to TIGRA – 9.0NM to KENSI<br>YSE : 5.0NM to TIGRA – 9.0NM to KENSI |
|  | DME GAP               | RWY10 : DER – 11.0NM to KENSI<br>5.0NM to KENSI – KENSI<br>RWY28 : DER – 5.0NM to TIGRA<br>9.0NM to KENSI – KENSI  |
|  | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.   |

VAR 8°W (2018)

CHANGE : VAR



|  |
|--|
| <p><b>SASAGA TWO DEPARTURE</b></p> <p>RWY10 : Climb on HDG101° at or above 500FT, direct to SN000, to OPPOH, to BACCO, to KENSI.<br/>RWY28 : Climb on HDG281° at or above 500FT, turn right direct to NOPPE, to TIGRA, to KENSI.</p> <p>NOTE RWY10 : 5.0% climb gradient required up to 500FT.<br/>OBST ALT 197FT located at 0.9NM 115° FM end of RWY10.</p> |
|--|

## STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

RNAV SID

SASAGA 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<br>(092.7) | -8.3               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | SN000               | —        | —              | -8.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | OPPOH               | —        | 028<br>(019.7) | -8.3               | 11.7          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | BACCO               | —        | 027<br>(019.1) | -8.3               | 15.0          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | KENSI               | —        | 031<br>(023.0) | -8.3               | 21.3          | —              | —             | —            | —              | 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) | -8.3               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | NOPPE               | —        | —              | -8.3               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | TIGRA               | —        | 027<br>(018.9) | -8.3               | 15.0          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | KENSI               | —        | 056<br>(047.3) | -8.3               | 24.1          | —              | —             | —            | —              | RNAV1                    |

CHANGE : VAR

## STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

RNAV SID and TRANSITION



CHANGE : New PROC ( VIKET TRANSITION ), Abolition PROC ( KAMOH TRANSITION ), VAR

## STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

RNAV SID and TRANSITION

MOKBA 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) | -8.3               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | SN000               | —        | —              | -8.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | SN001               | —        | 011<br>(002.7) | -8.3               | 5.0           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | SN002               | —        | 281<br>(272.8) | -8.3               | 5.9           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MOKBA               | —        | 233<br>(224.9) | -8.3               | 14.9          | —              | —             | —            | —              | 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) | -8.3               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | SN800               | —        | —              | -8.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | MOKBA               | —        | 214<br>(205.6) | -8.3               | 6.5           | —              | —             | —            | —              | RNAV1                    |

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               | —        | —              | -8.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | NAEBA               | —        | 212<br>(204.2) | -8.3               | 40.1          | —              | +FL200        | —            | —              | RNAV1                    |

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               | —        | —              | -8.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TERAD               | —        | 239<br>(230.5) | -8.3               | 24.6          | —              | —             | —            | —              | RNAV1                    |

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               | —        | —              | -8.3               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | TAMBO               | —        | 124<br>(115.8) | -8.3               | 10.0          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | VIKET               | —        | 111<br>(102.7) | -8.3               | 24.4          | —              | +FL140        | —            | —              | RNAV1                    |

CHANGE : New PROC ( VIKET TRANSITION ), Abolition PROC ( KAMOH TRANSITION ), VAR

STANDARD ARRIVAL CHART-INSTRUMENT

RJSN / NIIGATA

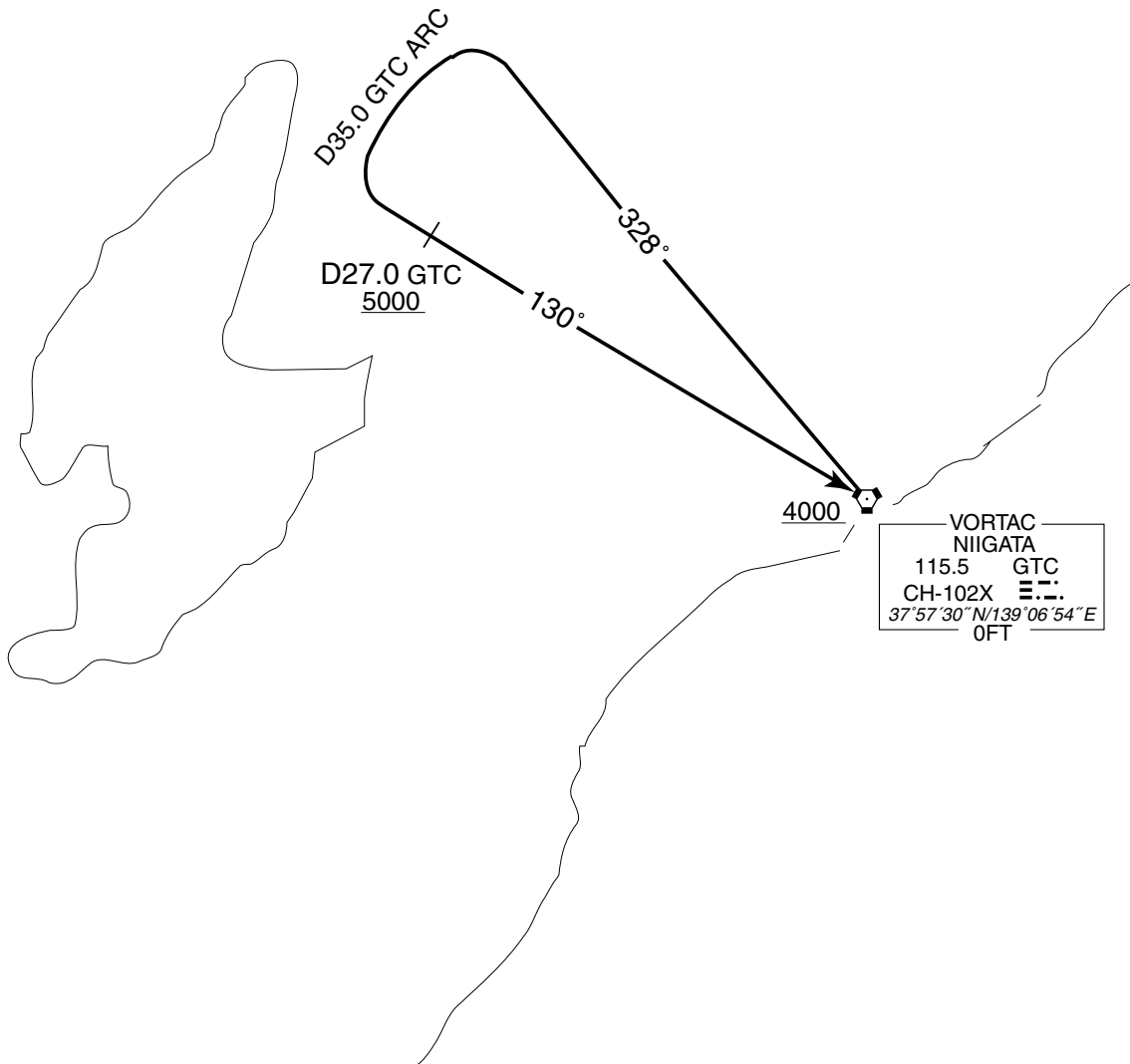
STAR

NIIGATA ARRIVAL

From over GTC VORTAC, proceed via GTC R328, turn left to intercept and proceed via GTC 35.0DME counterclockwise ARC, turn left, proceed via GTC R310 to GTC VORTAC.

Cross GTC R310/27.0DME at or above 5000FT, cross GTC VORTAC at or above 4000FT.

NIIGATA ARRIVAL



## STANDARD ARRIVAL CHART-INSTRUMENT



## 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               | —        | —              | -8.5               | —             | —              | +5000         | —            | —              | RNAV1                    |
| 002           | TF              | SHIUN               | —        | 150<br>(141.9) | -8.5               | 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               | —        | —              | -8.5               | —             | —              | +9000         | —            | —              | RNAV1                    |
| 002           | TF              | KYOGA               | —        | 009<br>(000.9) | -8.5               | 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               | —        | —              | -8.5               | —             | —              | +12000        | —            | —              | RNAV1                    |
| 002           | TF              | KYOGA               | —        | 061<br>(052.0) | -8.5               | 39.0          | —              | +6000         | —            | —              | RNAV1                    |

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               | —        | —              | -8.5               | —             | —              | +10000        | —            | —              | RNAV1                    |
| 002           | TF              | KYOGA               | —        | 082<br>(073.1) | -8.5               | 40.8          | —              | +6000         | —            | —              | RNAV1                    |

 CHANGE : MAG VAR. Course FM TERAD to KYOGA, FM MAGNA to KYOGA. ALT restriction at MAGNA.  
 Critical DME, DME GAP (MAGNA EAST ARRIVAL).



## STANDARD ARRIVAL CHART-INSTRUMENT

RJSN / NIIGATA

RNAV STAR RWY10

INAHO WEST ARRIVAL  
GOSEN WEST ARRIVAL  
MAGNA WEST ARRIVAL  
TERAD WEST ARRIVAL

RNAV1

Note 1 ) GNSS required.

2 ) RADAR service required.

VAR 9°W (2020)

CHANGE : VAR. Course FM INAHO to TOKKY, FM SWALO to MOKBA. ALT restriction at MAGNA.



## 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 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              | INAHO               | —        | —              | -8.5               | —             | —              | +5000         | —            | —              | RNAV1                    |
| 002           | TF              | TOKKY               | —        | 257<br>(248.3) | -8.5               | 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 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              | GOSEN               | —        | —              | -8.5               | —             | —              | +9000         | —            | —              | RNAV1                    |
| 002           | TF              | SWALO               | —        | 328<br>(319.5) | -8.5               | 14.6          | —              | +6000         | —            | —              | RNAV1                    |
| 003           | TF              | MOKBA               | —        | 328<br>(319.4) | -8.5               | 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 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              | MAGNA               | —        | —              | -8.5               | —             | —              | +12000        | —            | —              | RNAV1                    |
| 002           | TF              | RYUTO               | —        | 022<br>(013.6) | -8.5               | 30.1          | —              | +4000         | —            | —              | RNAV1                    |

TERAD WEST ARRIVAL

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

|                       |   |
|-----------------------|---|
| Critical DME          | —   |
| DME GAP               | TERAD - RYUTO                                     |
| 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              | TERAD               | —        | —              | -8.5               | —             | —              | +10000        | —            | —              | RNAV1                    |
| 002           | TF              | RYUTO               | —        | 050<br>(041.9) | -8.5               | 23.0          | —              | +4000         | —            | —              | RNAV1                    |

 CHANGE : MAG VAR. Course FM INAHO to TOKKY, FM SWALO to MOKBA. ALT restriction at MAGNA.  
 Critical DME, DME GAP (MAGNA WEST ARRIVAL).

## INSTRUMENT APPROACH CHART

RJSN / NIIGATA

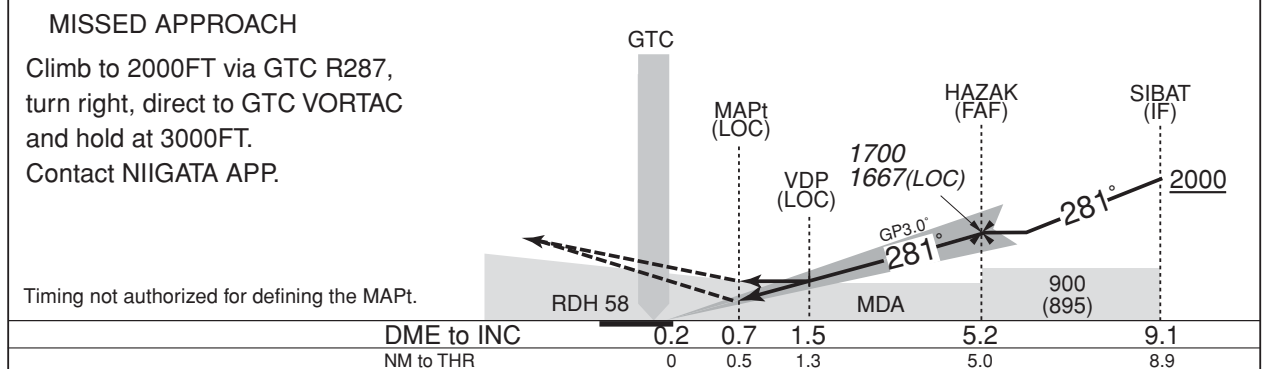
ILS Z or LOC Z RWY28



## MISSED APPROACH

Climb to 2000FT via GTC R287,  
turn right, direct to GTC VORTAC  
and hold at 3000FT.  
Contact NIIGATA APP.

Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 3.0%

| MINIMA |           | THR elev. 12 |           | AD elev. 5 |           |      |
|--------|-----------|--------------|-----------|------------|-----------|------|
| CAT    | CAT I     |              | LOC       |            | CIRCLING  |      |
|        | DA(H)     | RVR/CMV      | MDA(H)    | RVR/CMV    | MDA(H)    | VIS  |
| A      | 212 (200) | 700          | 470 (465) | 1400       | 720 (715) | 1600 |
| B      |           |              |           | 1500       |           |      |
| C      |           |              |           | 1600       | 790 (785) | 2400 |
| D      |           |              |           | 1800       |           |      |

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

## INSTRUMENT APPROACH CHART

RJSN / NIIGATA

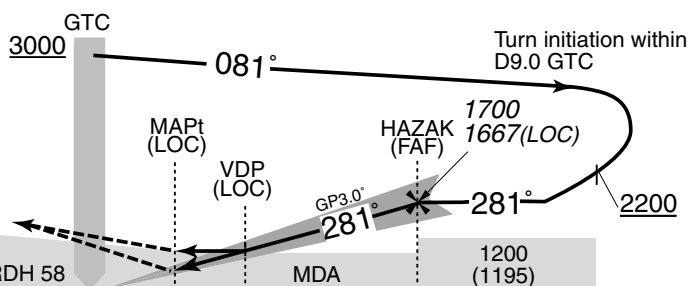
ILS Y or LOC Y RWY28



## MISSED APPROACH

Climb to 2000FT via GTC R287,  
turn right, direct to GTC  
VORTAC and hold at 3000FT.  
Contact NIIGATA APP.

Timing not authorized for defining the MAPt.



DME to INC

NM to THR

|     |     |     |     |
|-----|-----|-----|-----|
| 0.2 | 0.7 | 1.5 | 5.2 |
| 0   | 0.5 | 1.3 | 5.0 |

Missed APCH climb gradient MNM 3.0%

| MINIMA |           | THR elev. 12 |           | AD elev. 5  |           |      |
|--------|-----------|--------------|-----------|-------------|-----------|------|
| CAT    | CAT I     |              | LOC       |             | CIRCLING  |      |
|        | DA(H)     | RVR/<br>CMV  | MDA(H)    | RVR/<br>CMV | MDA(H)    | VIS  |
| A      | 212 (200) | 700          | 470 (465) | 1400        | 720 (715) | 1600 |
| B      |           |              |           | 1500        |           |      |
| C      |           |              |           | 1600        | 790 (785) | 2400 |
| D      |           |              |           | 1800        |           | 3200 |

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

INSTRUMENT APPROACH CHART

RJSN / NIIGATA

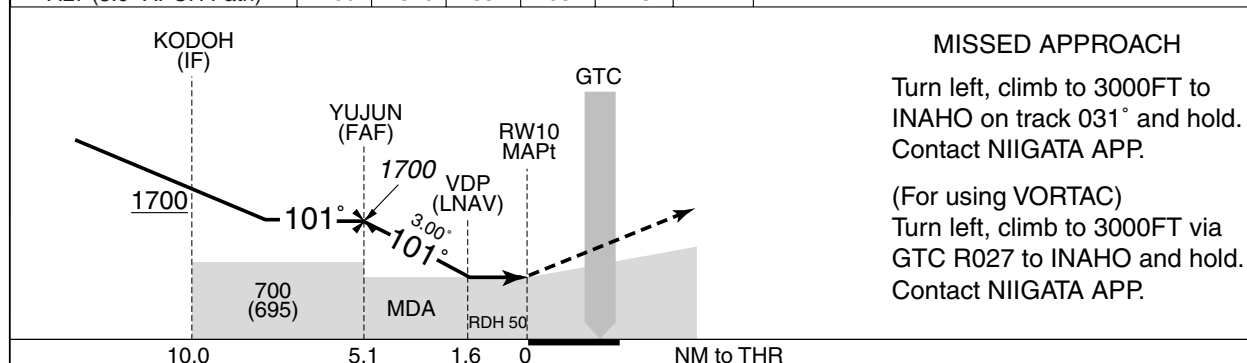
VOR RWY28



## INSTRUMENT APPROACH CHART

RJSN / NIIGATA

RNAV(GNSS) RWY10



| MINIMA |           | THR elev. 29 |           | AD elev. 5 |           |      |
|--------|-----------|--------------|-----------|------------|-----------|------|
| CAT    | LNAV/VNAV |              | LNAV      |            | CIRCLING  |      |
|        | DA(H)     | CMV          | MDA(H)    | CMV        | MDA(H)    | VIS  |
| A      | 580 (551) | 1400         | 580 (575) | 1400       | 710 (705) | 1600 |
| B      |           | 1500         |           | 1500       |           |      |
| C      |           | 1600         |           | 1600       | 790 (785) | 2400 |
| D      |           | 1800         |           | 1800       |           | 3200 |

INSTRUMENT APPROACH CHART

RJSN / NIIGATA

VOR RWY10



**MISSED APPROACH**

Turn left, climb to 2000FT via GTC R027, turn left, direct to GTC VORTAC and hold at 4000FT.  
Contact NIIGATA APP.

Timing not authorized for defining the MAPt.



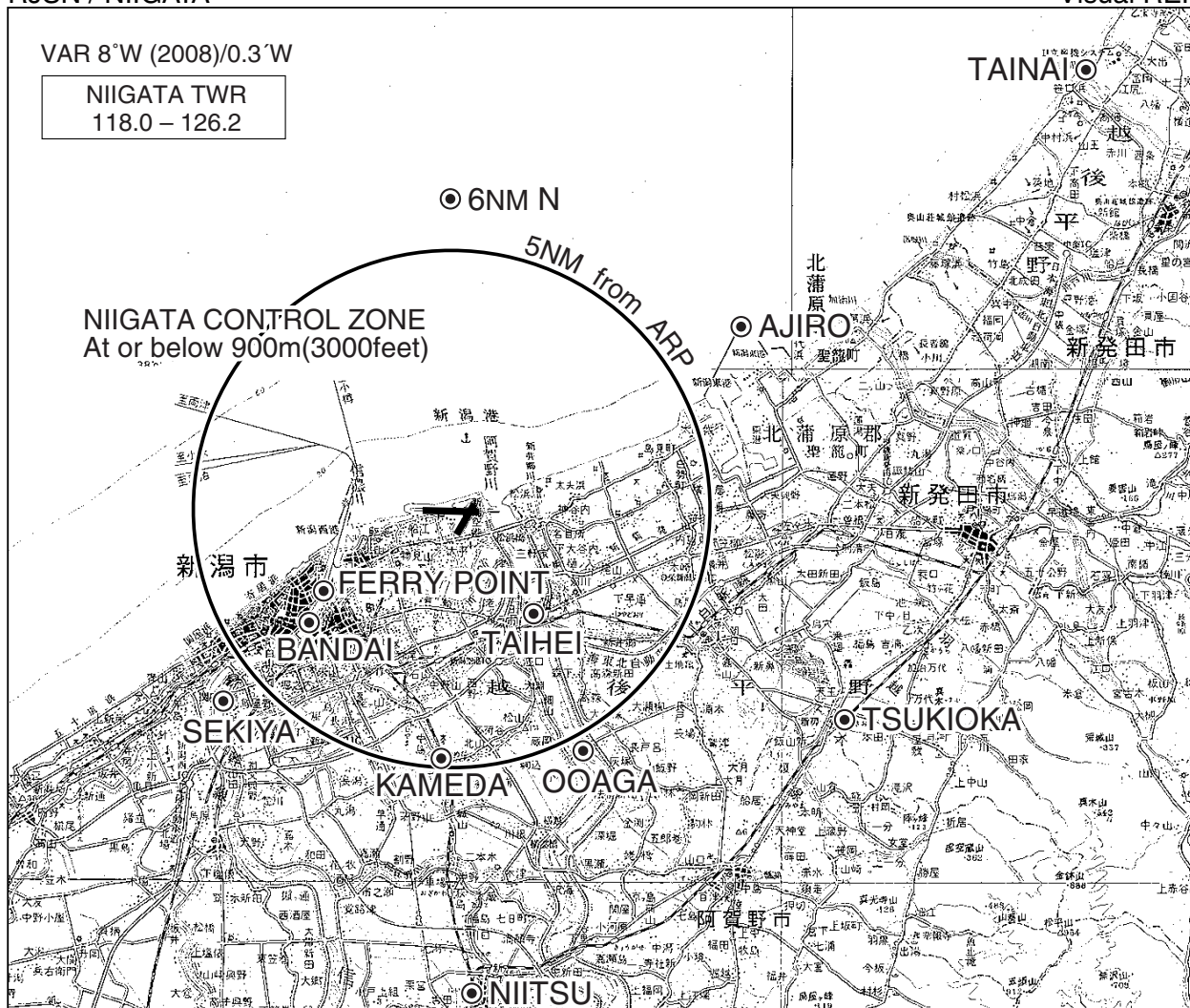
|     |     |     |            |
|-----|-----|-----|------------|
| 5.9 | 2.7 | 0.9 | DME to GTC |
| 5.0 | 1.8 | 0   | NM to THR  |

| MINIMA |           | THR elev. 29 | AD elev. 5 |      |
|--------|-----------|--------------|------------|------|
| CAT    |           |              | CIRCLING   |      |
|        | MDA(H)    | CMV          | MDA(H)     | VIS  |
| A      | 630 (625) | 1400         | 720 (715)  | 1600 |
| B      |           | 1500         |            |      |
| C      |           | 1600         | 790 (785)  | 2400 |
| D      |           | 1800         |            |      |



RJSN / NIIGATA

Visual REP



| Call sign                 | BRG(MAG) / DIST from ARP | Remarks  |
|---------------------------|--------------------------|--|
| 胎内<br>Tainai              | 062°/15NM                | 胎内川河口<br>River-mouth   |
| 月岡<br>Tsukioka            | 126°/ 8.6NM              | JR駅<br>Station   |
| 新津<br>Niitsu              | 185°/ 9NM                | JR駅<br>Station   |
| 大阿賀<br>Ooaga              | 159°/ 5.2NM              | 橋<br>Bridge  |
| 亀田<br>Kameda              | 190°/ 4.7NM              | JR駅<br>Station   |
| 関屋<br>Sekiya              | 240°/ 6NM                | 分水路への分岐点<br>Diverging-point for Flood-control channel  |
| * 泰平<br>Taihei            | 149°/ 2.6NM              | 橋<br>Bridge  |
| * 万代<br>Bandai            | 240°/ 3.5NM              | 橋<br>Bridge  |
| * フェリーポイント<br>Ferry point | 251°/ 2.6NM              | 万代橋より信濃川下流2kmの地点(1,500ft以下で通過すること)<br>The point 2km down the Shinano from the Bandai Bridge<br>(Fly with ALT at or below 1500FT) |
| 6NM N                     | 360°/ 6NM                | 海上<br>Over the sea   |
| 網代<br>Ajiro               | 065°/ 7NM                | 防波堤突端の赤色灯台<br>Red lighthouse at the tip of breakwater  |

\* ヘリコプター Use for helicopter

## 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)



- |                    |                    |                    |
|--------------------|--------------------|--------------------|
| ① RWY10:           | ② RWY28:           | ③ RWY22:           |
| Angle 3.0°         | Angle 3.0°         | Angle 3.0°         |
| MEHT 22.6m (74ft)  | MEHT 21.0m (69ft)  | MEHT 18.6m (61ft)  |
| 541m inside fm THR | 482m inside fm THR | 361m inside fm THR |

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Minimum Vectoring Altitude CHART

