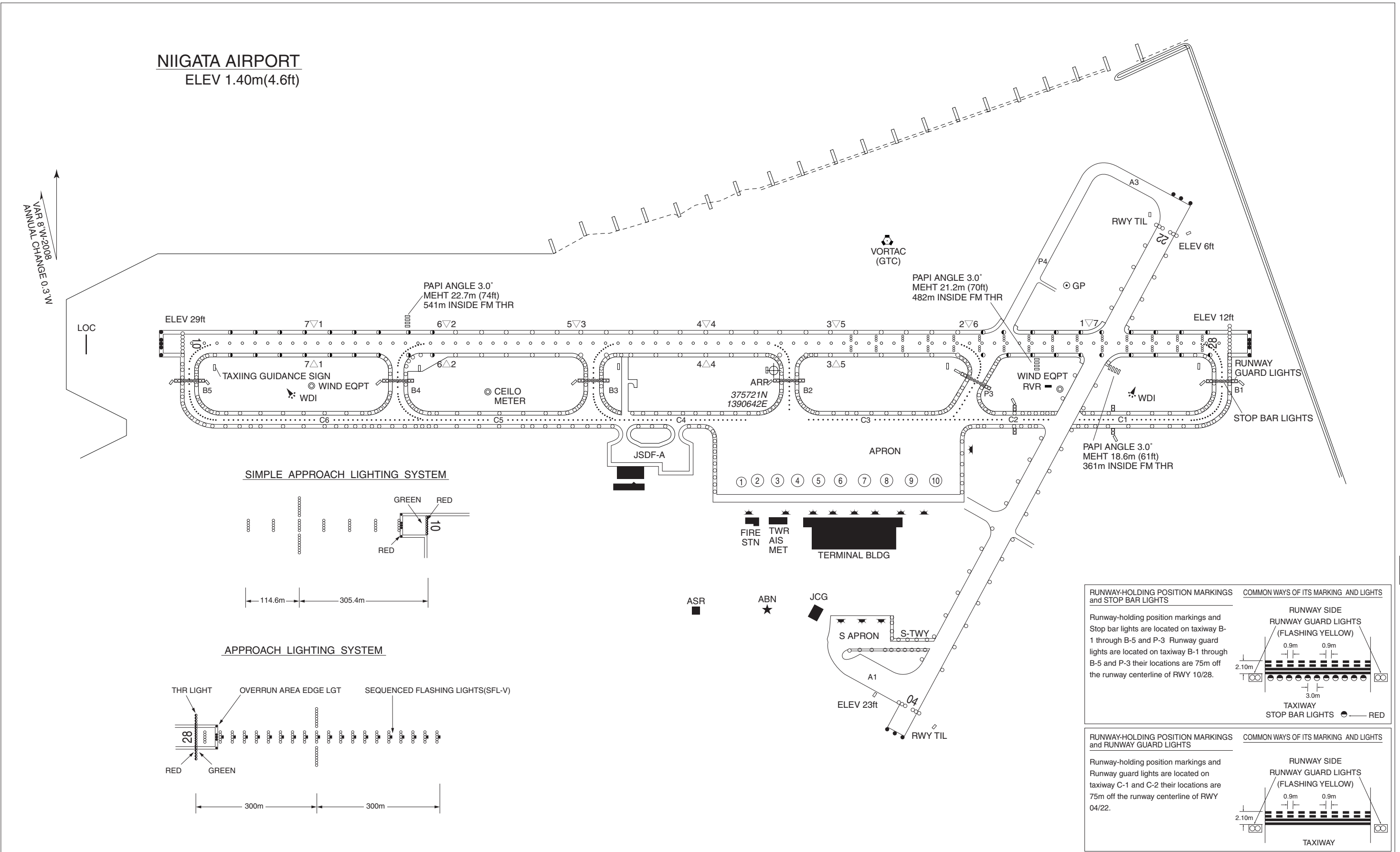
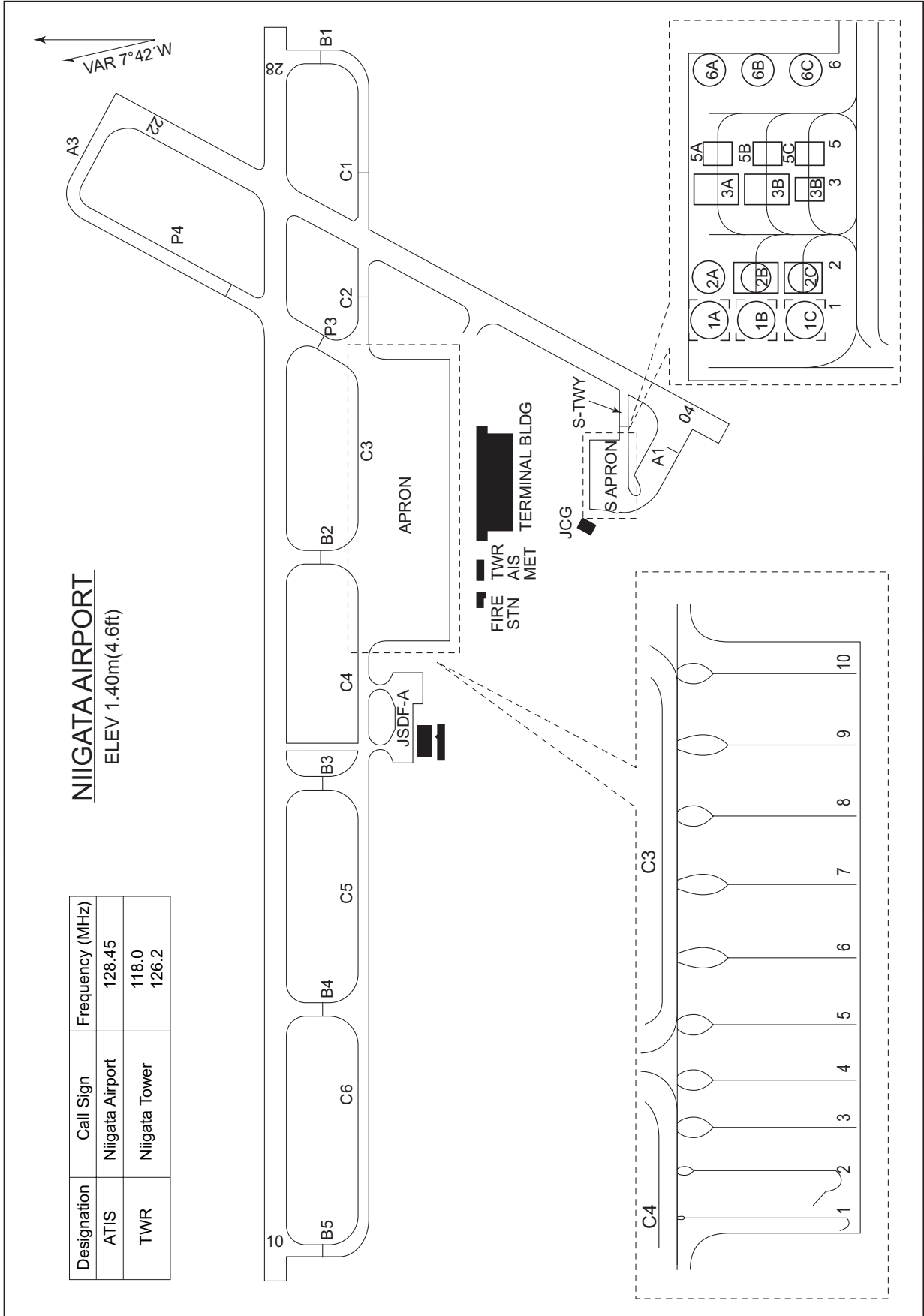


AERODROME CHART



RJSN / NIIGATA

AD CHART



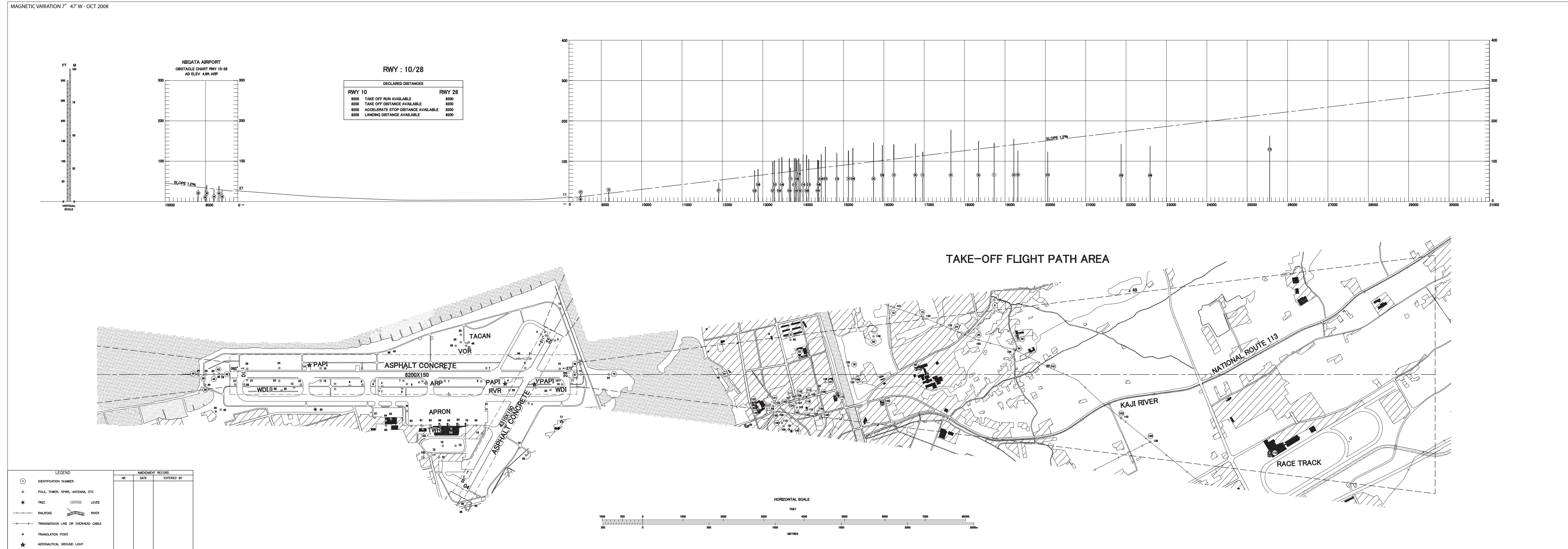
NIIGATA AIRPORT
 ELEV 1,40m(4.6ft)

Designation	Call Sign	Frequency (MHz)
ATIS	Niigata Airport	128.45
TWR	Niigata Tower	118.0 126.2

AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

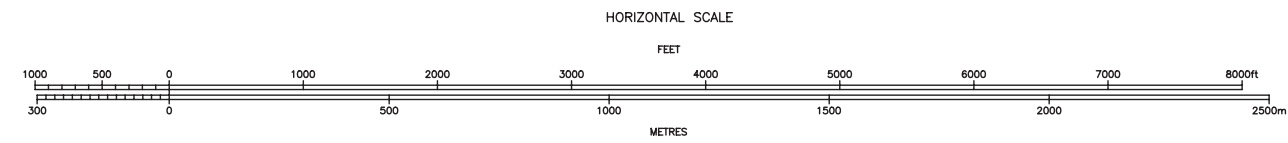
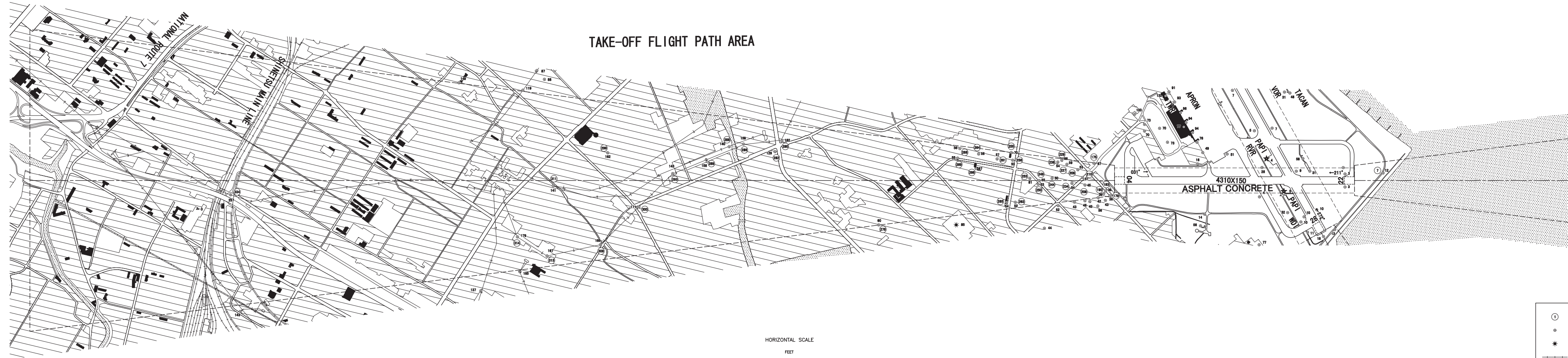
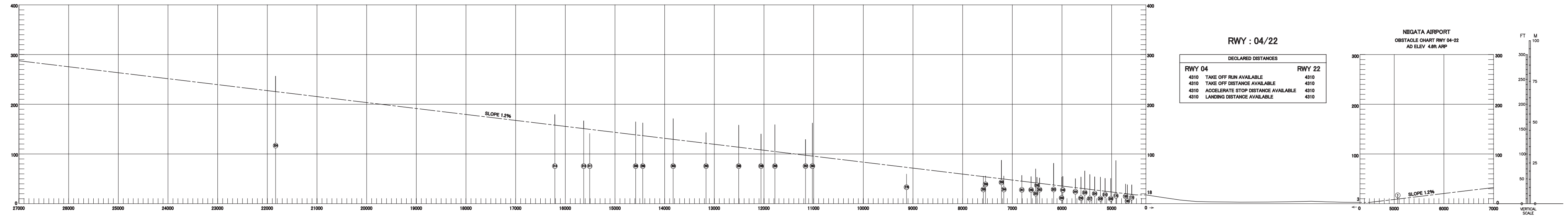
MAGNETIC VARIATION 7° 47' W - OCT 2008



AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

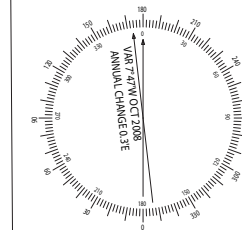
MAGNETIC VARIATION 7° 47' W - OCT 2008



LEGEND		AMENDMENT RECORD		
①	IDENTIFICATION NUMBER	NR	DATE	ENTERED BY
⊙	POLE, TOWER, SPIRE, ANTENNA, ETC			
*	TREE			
—+—	RAILROAD			
—+—	TRANSMISSION LINE OR OVERHEAD CABLE			
▲	TRIANGULATION POINT			
★	AERONAUTICAL GROUND LIGHT			
▨	LEVEE			
—	RIVER			

AERODROME OBSTRUCTION CHART-ICAO
TYPE B

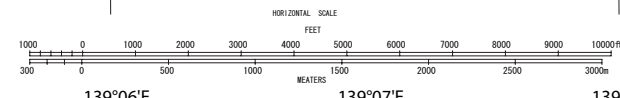
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



37°54'N 139°02'E
139°01'E

LEGEND		
	AERODROME REFERENCE POINT	
	37°57'N SURFACE	
	POLE TOWER, SPIRE, ANTENNA, ETC.	
	AERODROME GROUND LIGHT	
	OBSTRUCTION LIGHT	
	BUILDING OR LARGE STRUCTURE	
	RAILROAD	
	TRANSMISSION LINE OR OVERHEAD CABLE	
	LEVEE	
	RIVER	
	LAKE	
	CONTOUR	

AMENDMENT RECORD		
NO.	DATE	REVISION BY



STANDARD DEPARTURE CHART-INSTRUMENT

RJSN / NIIGATA

SID

OKESA FIVE DEPARTURE

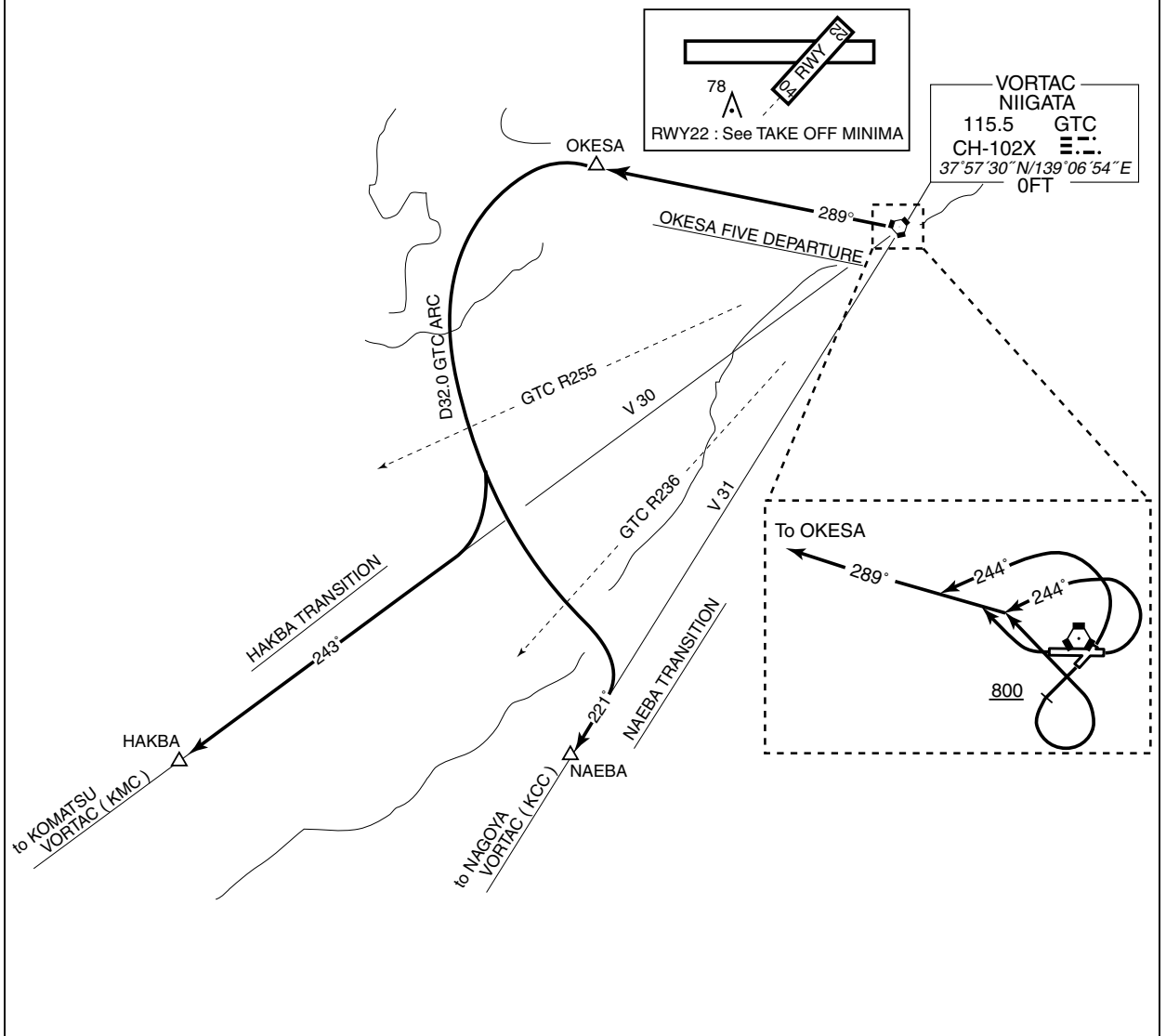
- RWY 04/10 : Turn left HDG 244° ,...
- RWY 22 : Climb RWY HDG to 800FT, turn left,...
- RWY 28 : Turn right,....
 climb via GTC R289 to OKESA.

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.



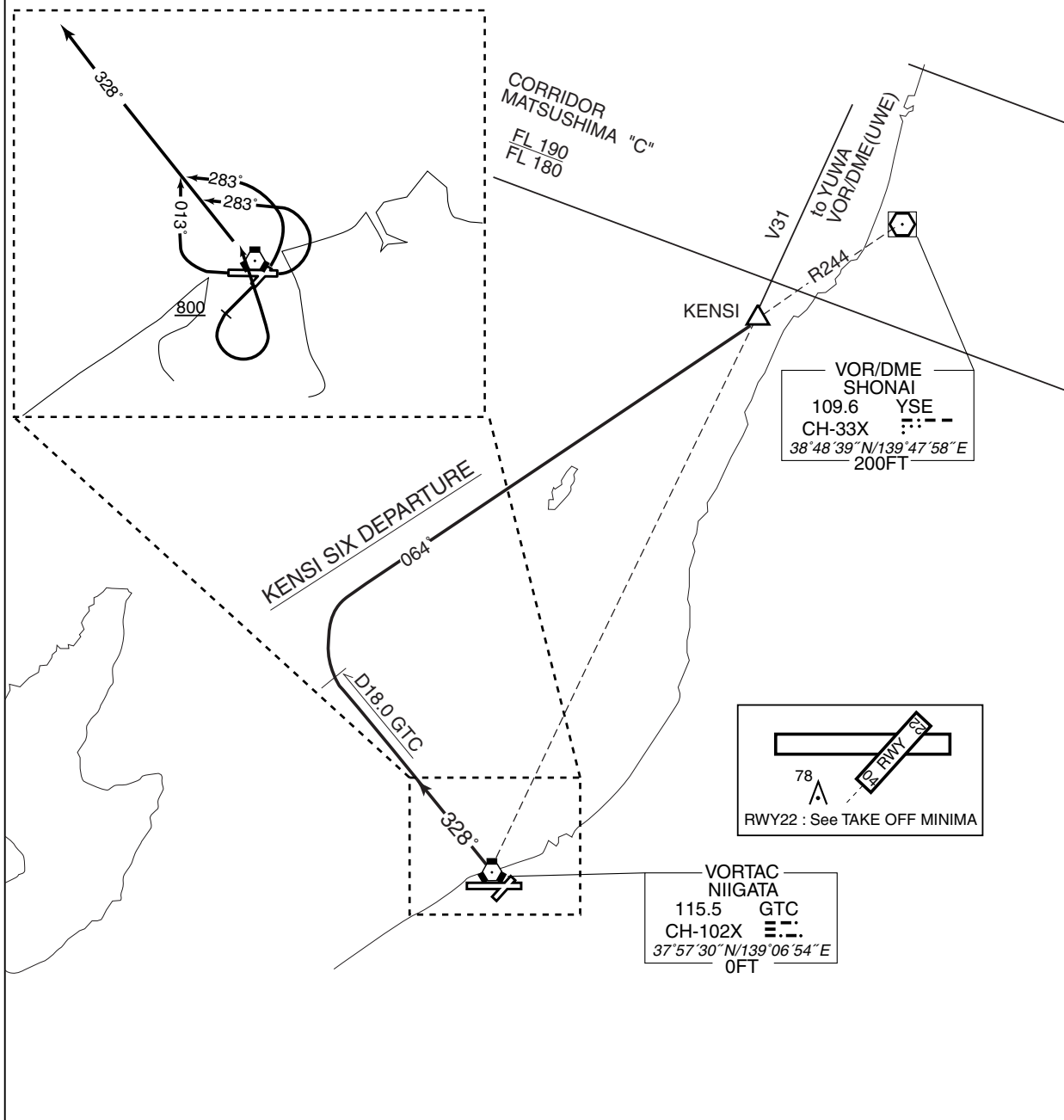
STANDARD DEPARTURE CHART-INSTRUMENT

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.



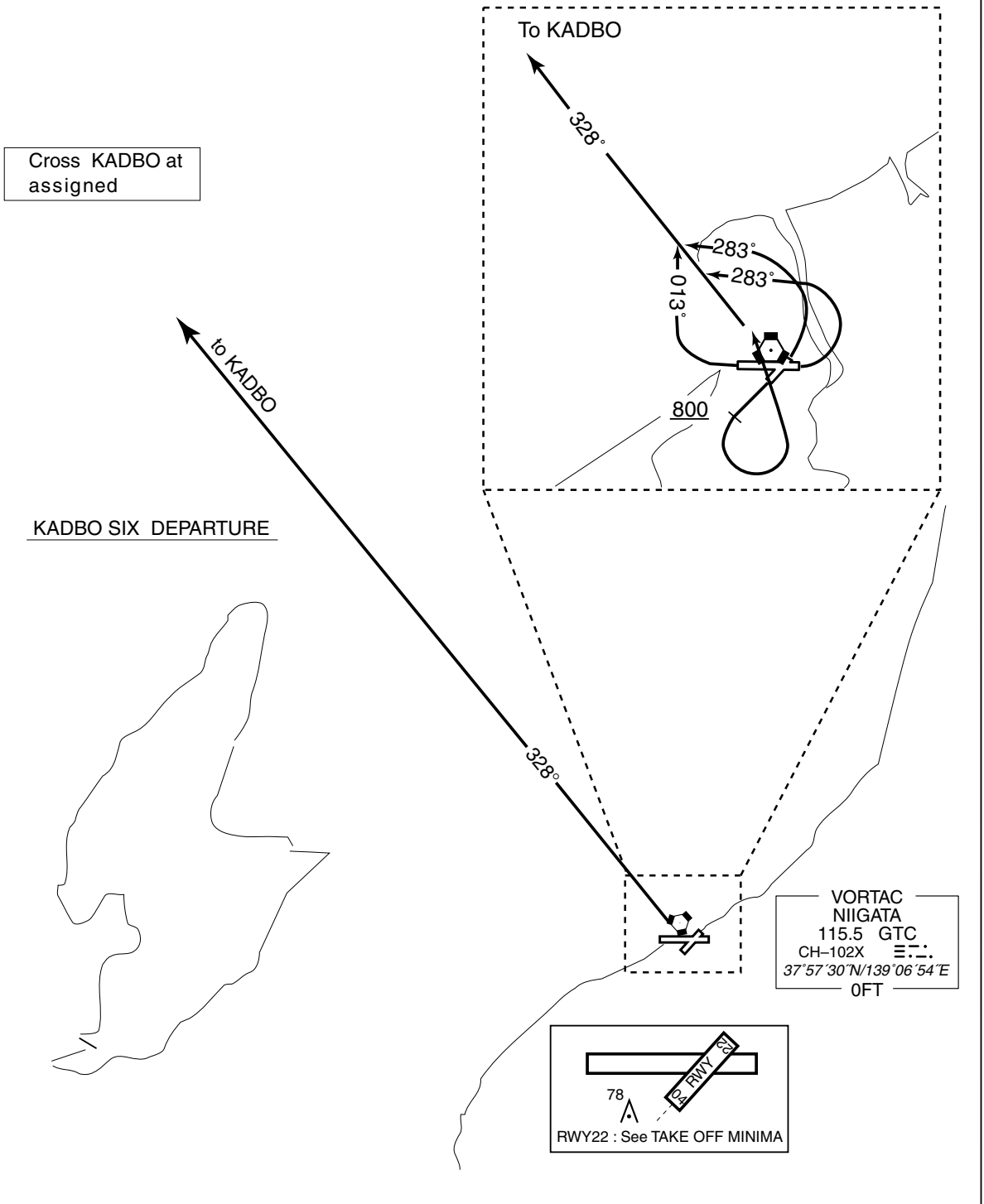
STANDARD DEPARTURE CHART-INSTRUMENT

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.



STANDARD DEPARTURE CHART-INSTRUMENT

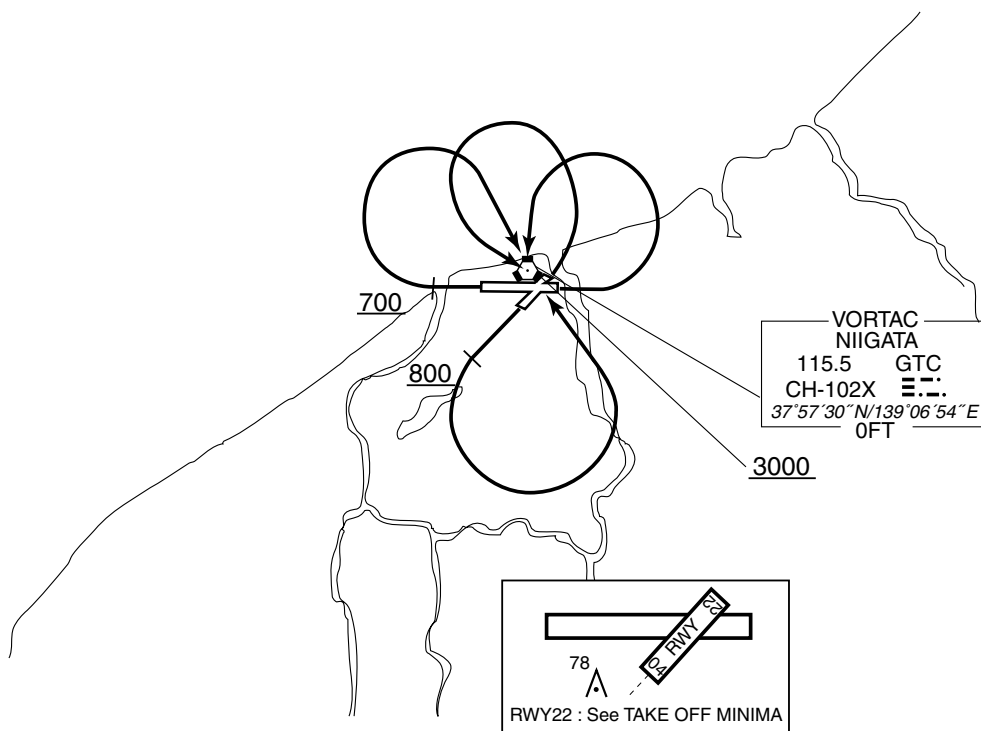
RJSN / NIIGATA

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 ARRIVAL CHART-INSTRUMENT

RJSN / NIIGATA

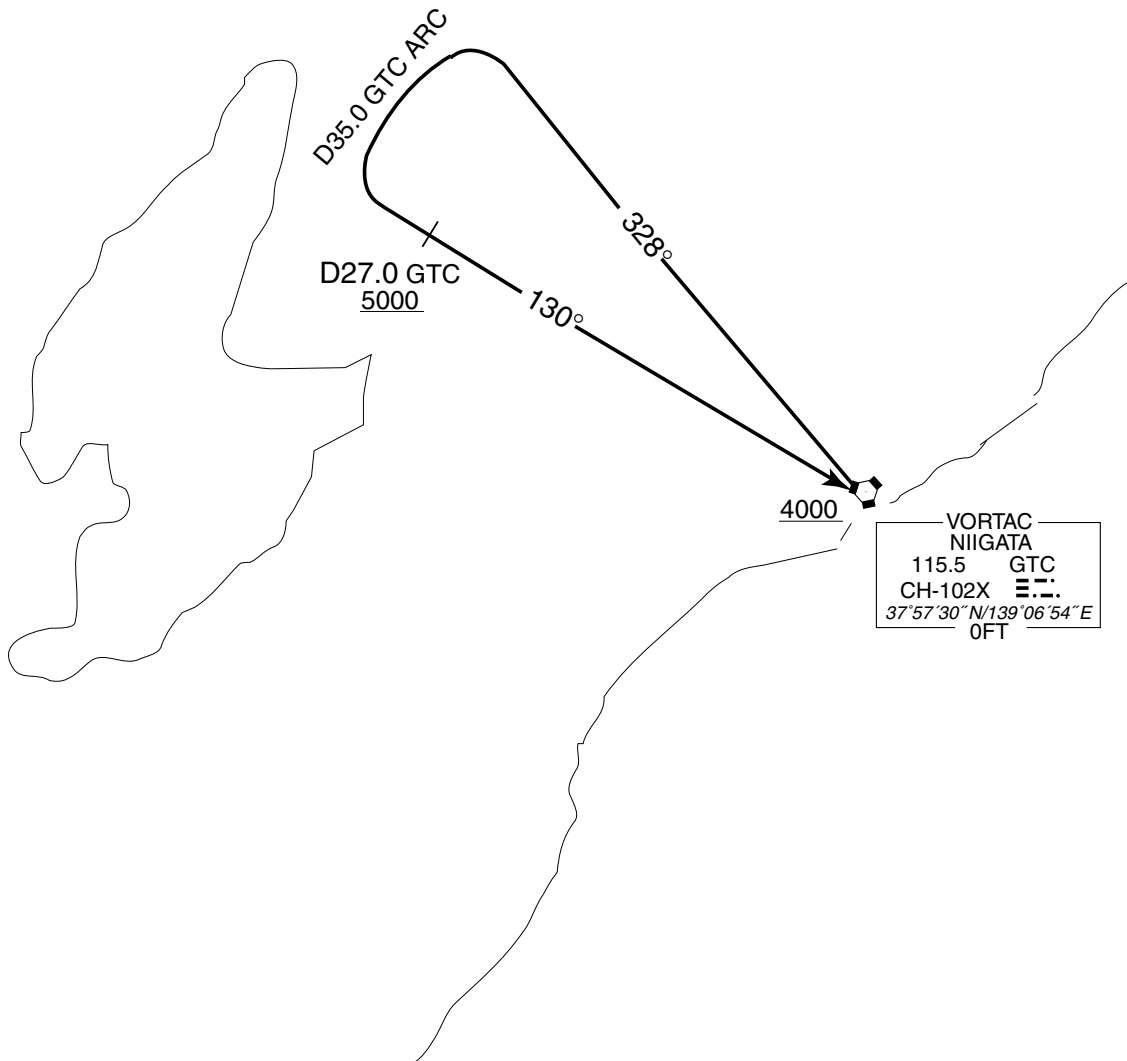
STAR

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

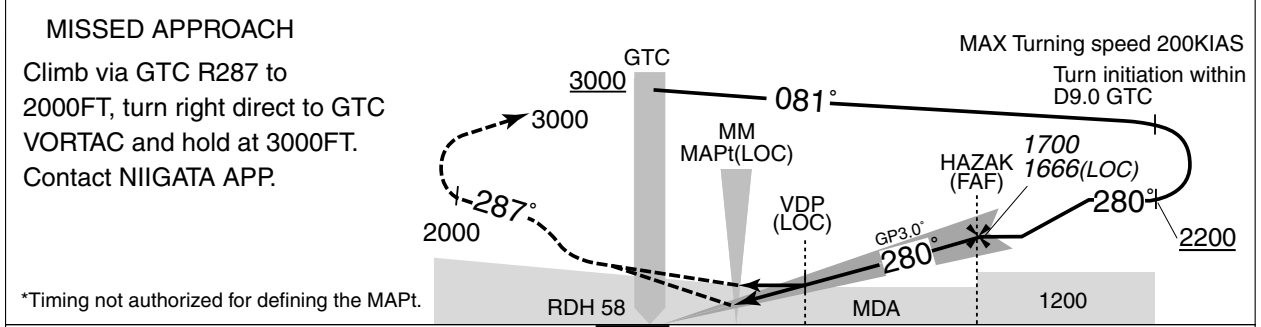
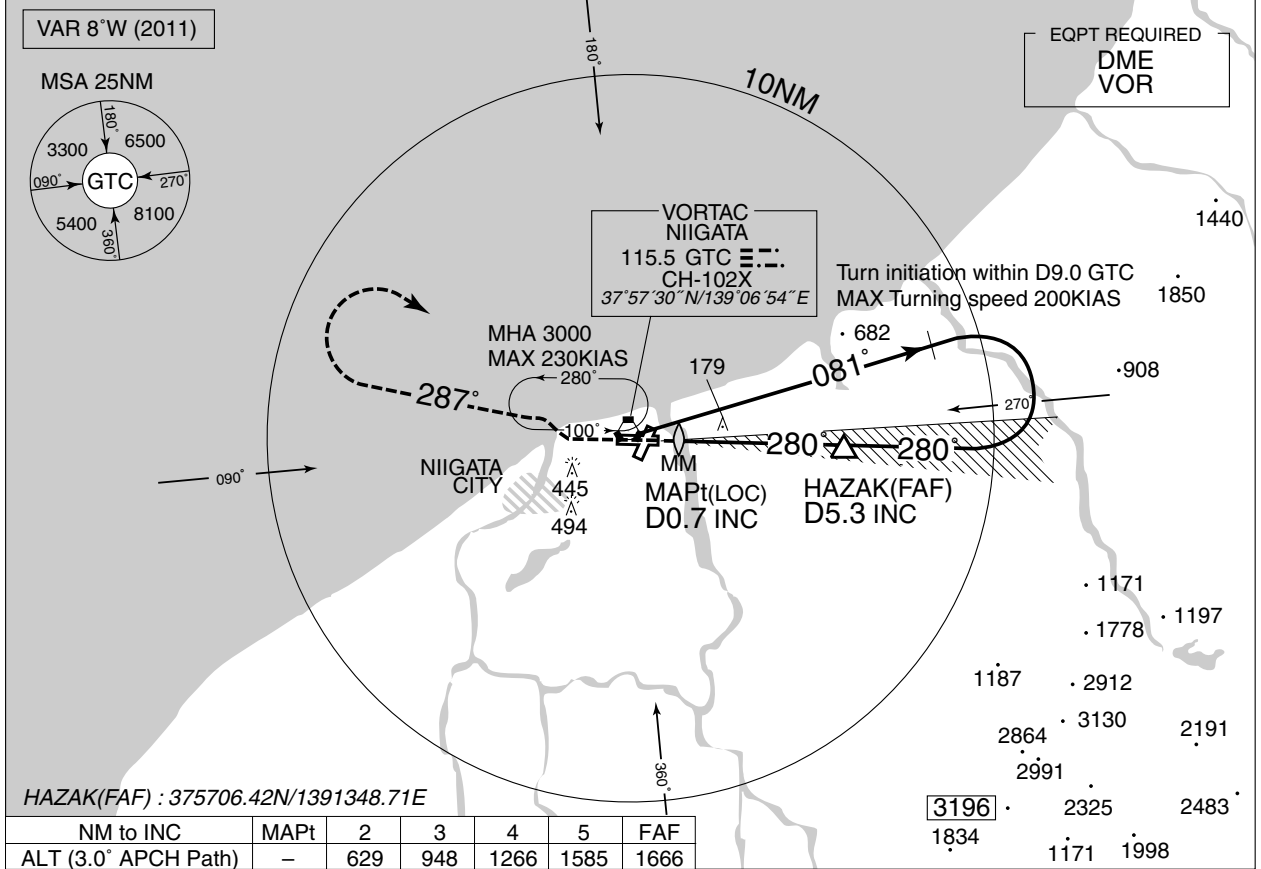


INSTRUMENT APPROACH CHART

RJSN / NIIGATA

ILS or LOC RWY 28

NIIGATA APP 121.4 – 261.2	ILS – LOC 109.3 INC ILS – GP 332.0 ILD – DME CH – 30X	NIIGATA TOWER 118.0 – 126.2	RADAR AVBL ATIS 128.45
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DME to INC	0	0.7	1.5	5.3
NM to THR	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/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			

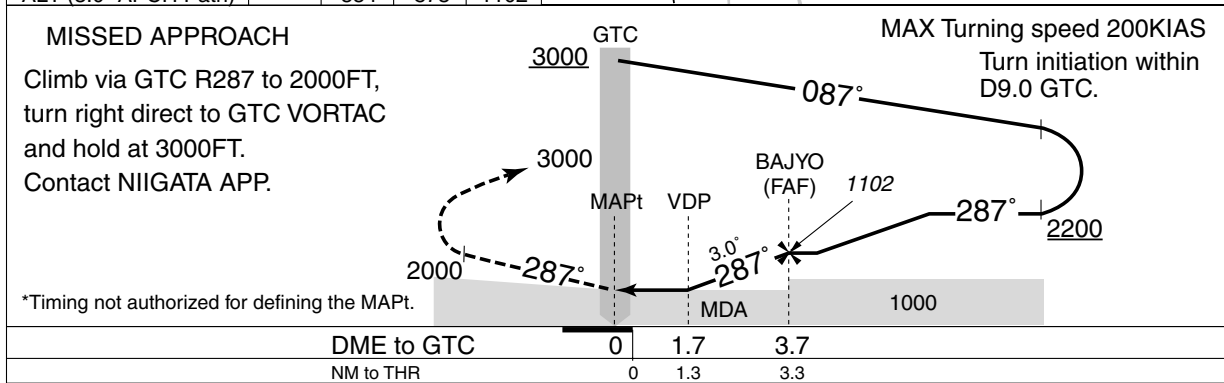
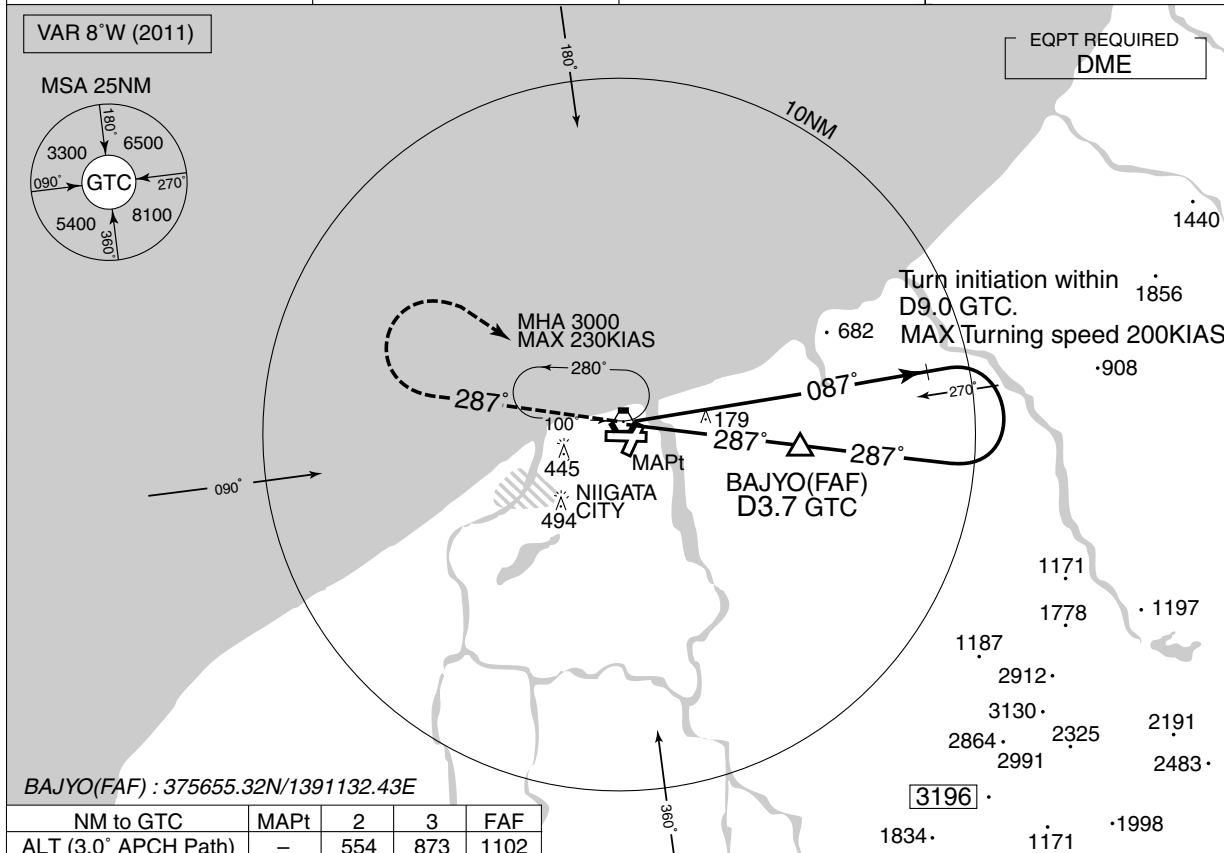
MINIMA with Missed APCH climb gradient of 2.5% are not established.

INSTRUMENT APPROACH CHART

RJSN / NIIGATA

VOR RWY 28

NIIGATA APP 121.4 – 261.2	NIIGATA VORTAC 115.5 GTC $\equiv \dots$ CH-102 37°57'30"N / 139°06'54"E	NIIGATA TOWER 118.0 – 126.2	RADAR AVAILABLE ATIS 128.45
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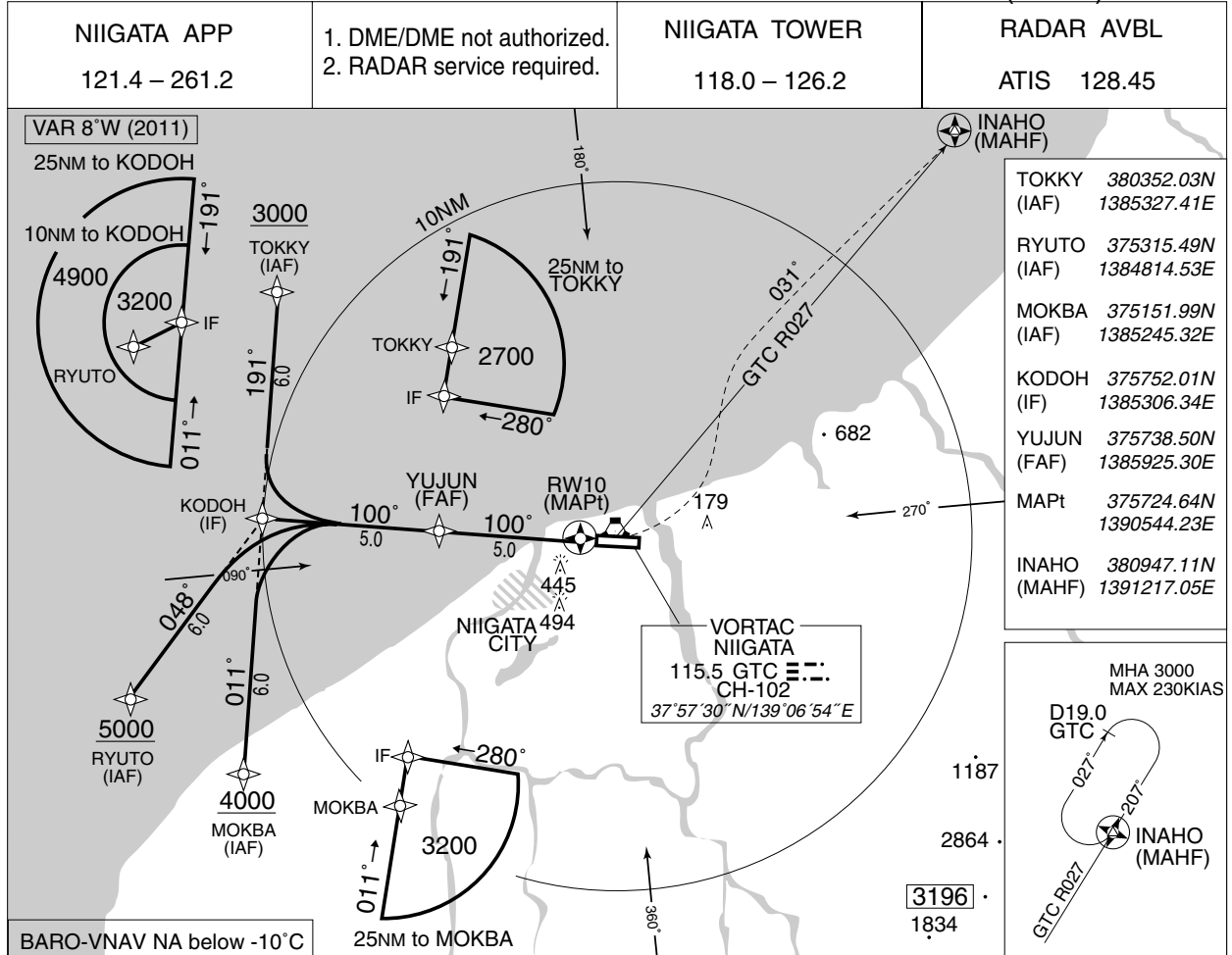


MINIMA		THR elev. 12	AD elev. 5	
CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	450 (445)	1200	720 (715)	1600
B		1300		
C		1400	790 (785)	2400
D		1600		

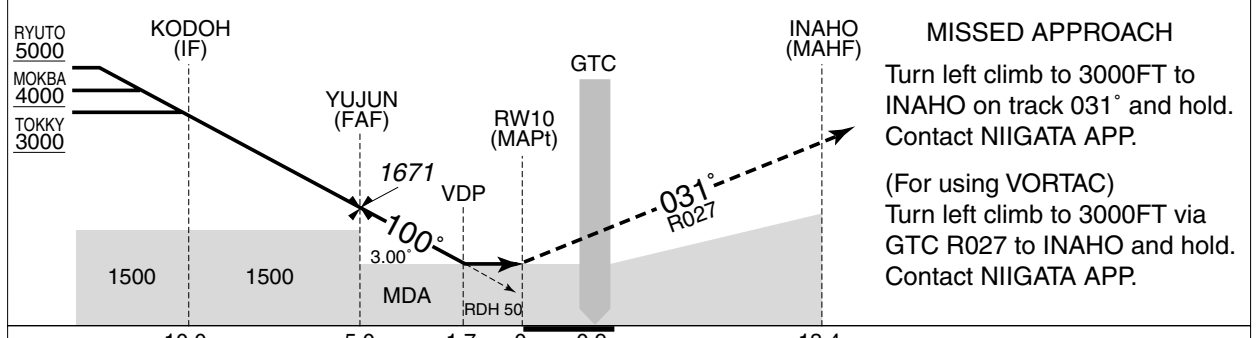
INSTRUMENT APPROACH CHART

RJSN / NIIGATA

RNAV(GNSS) RWY 10



NM To Next Fix	FAF	4	3	2	MAPt
ALT (3.0° APCH Path)	1671	1352	1034	715	-



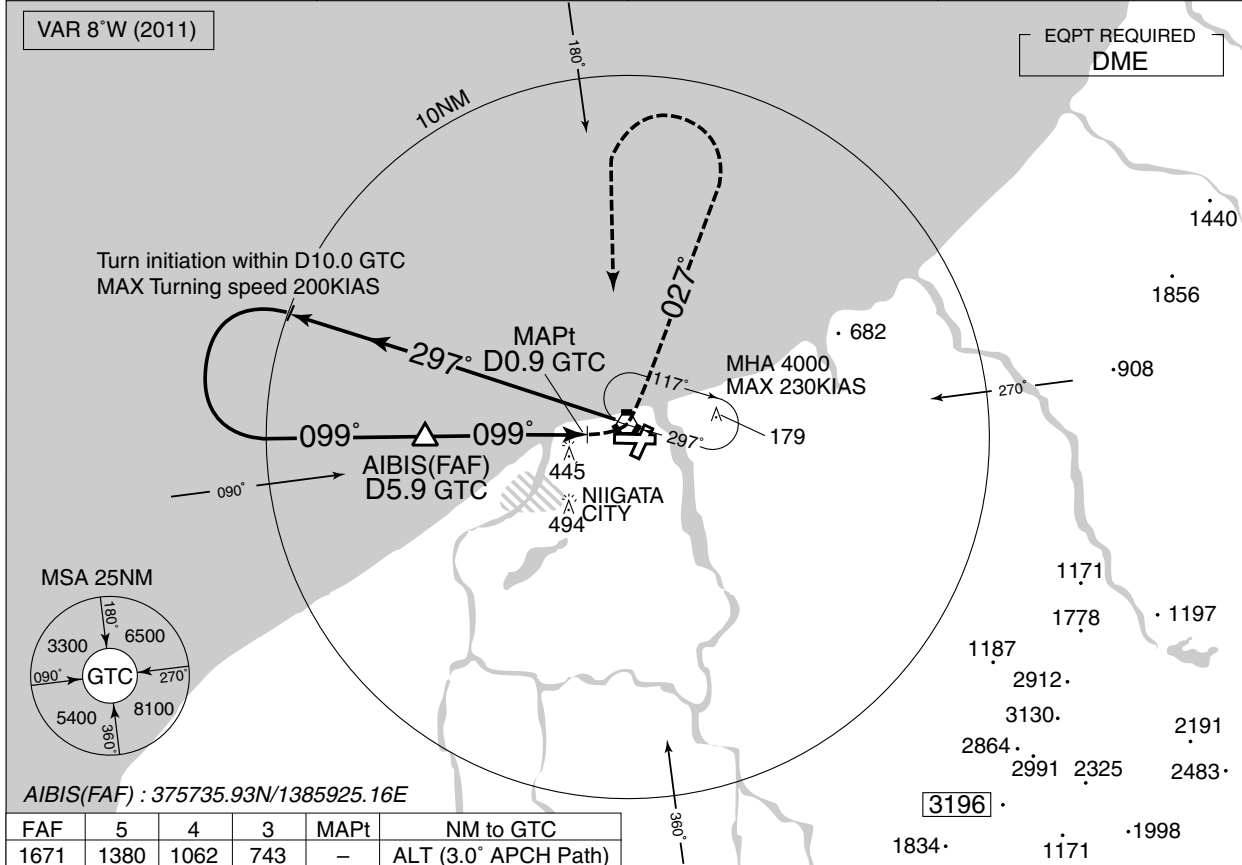
MINIMA		THR elev. 29		AD elev. 5		
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	630 (601)	1400	630 (625)	1400	710 (705)	1600
B		1500		1500		
C		1600		1600	790 (785)	2400
D		1800		1800		

INSTRUMENT APPROACH CHART

RJSN / NIIGATA

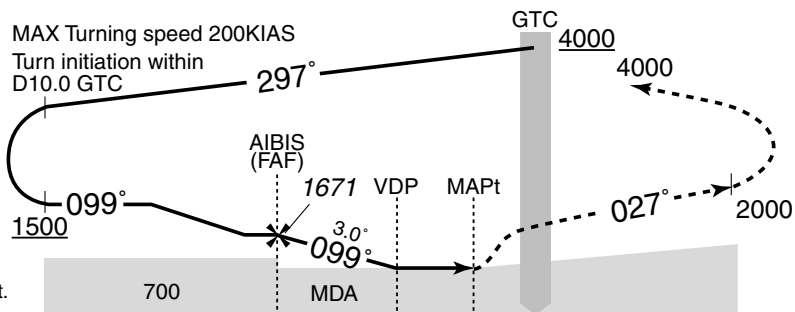
VOR RWY 10

NIIGATA APP 121.4 – 261.2	NIIGATA VORTAC 115.5 GTC ≡≡≡ CH-102 37°57'30"N / 139°06'54"E	NIIGATA TOWER 118.0 – 126.2	RADAR AVAILABLE ATIS 128.45
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MISSED APPROACH

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



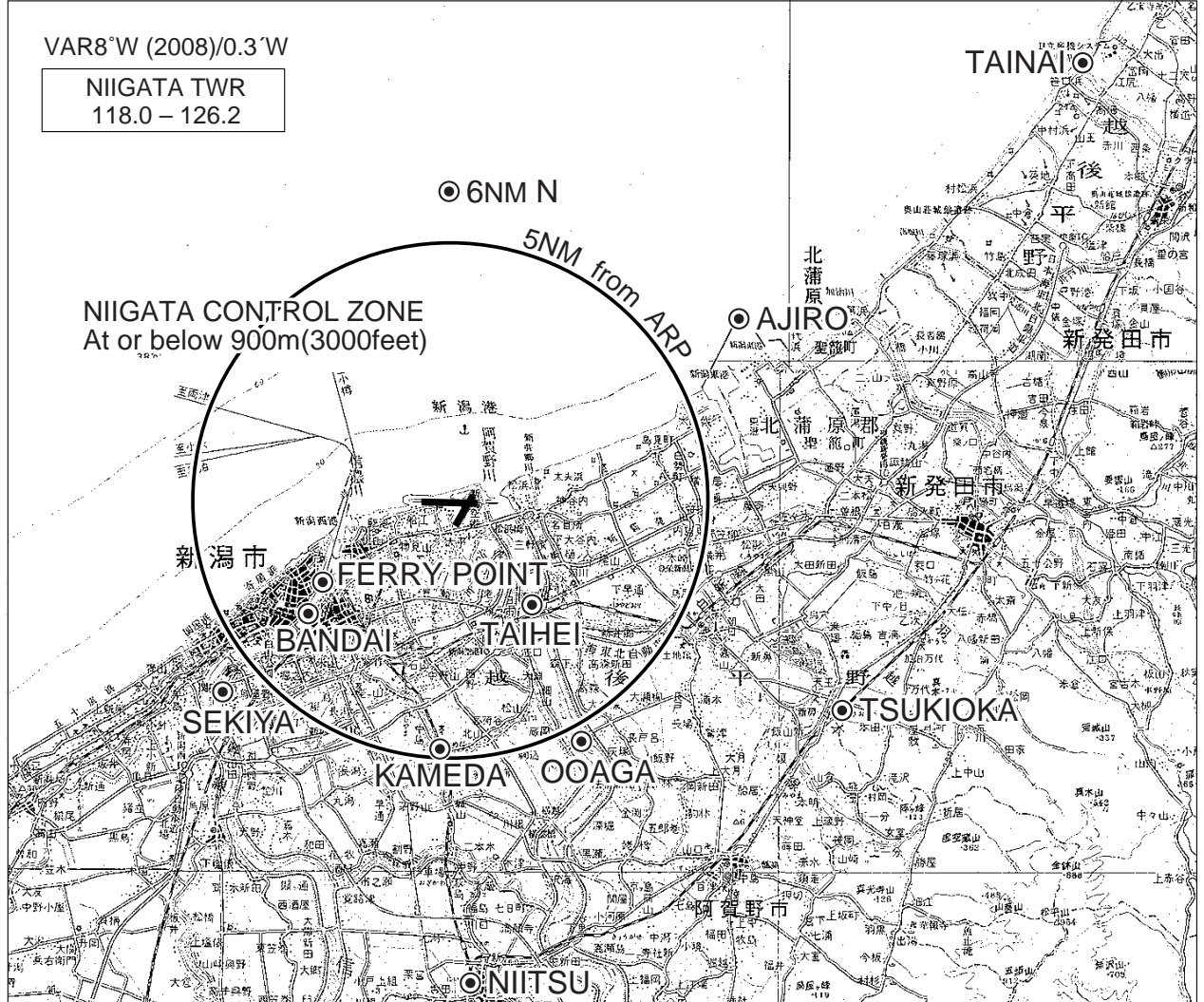
*Timing not authorized for defining the MAPt.

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

MINIMA		THR elev. 29		AD elev. 5	
CAT	MDA(H)	CMV	CIRCLING		
			MDA(H)	VIS	
A	630 (625)	1400	720 (715)	1600	
B		1500			
C		1600	790 (785)	2400	
D		1800			3200

RJSN / NIIGATA

Visual REP

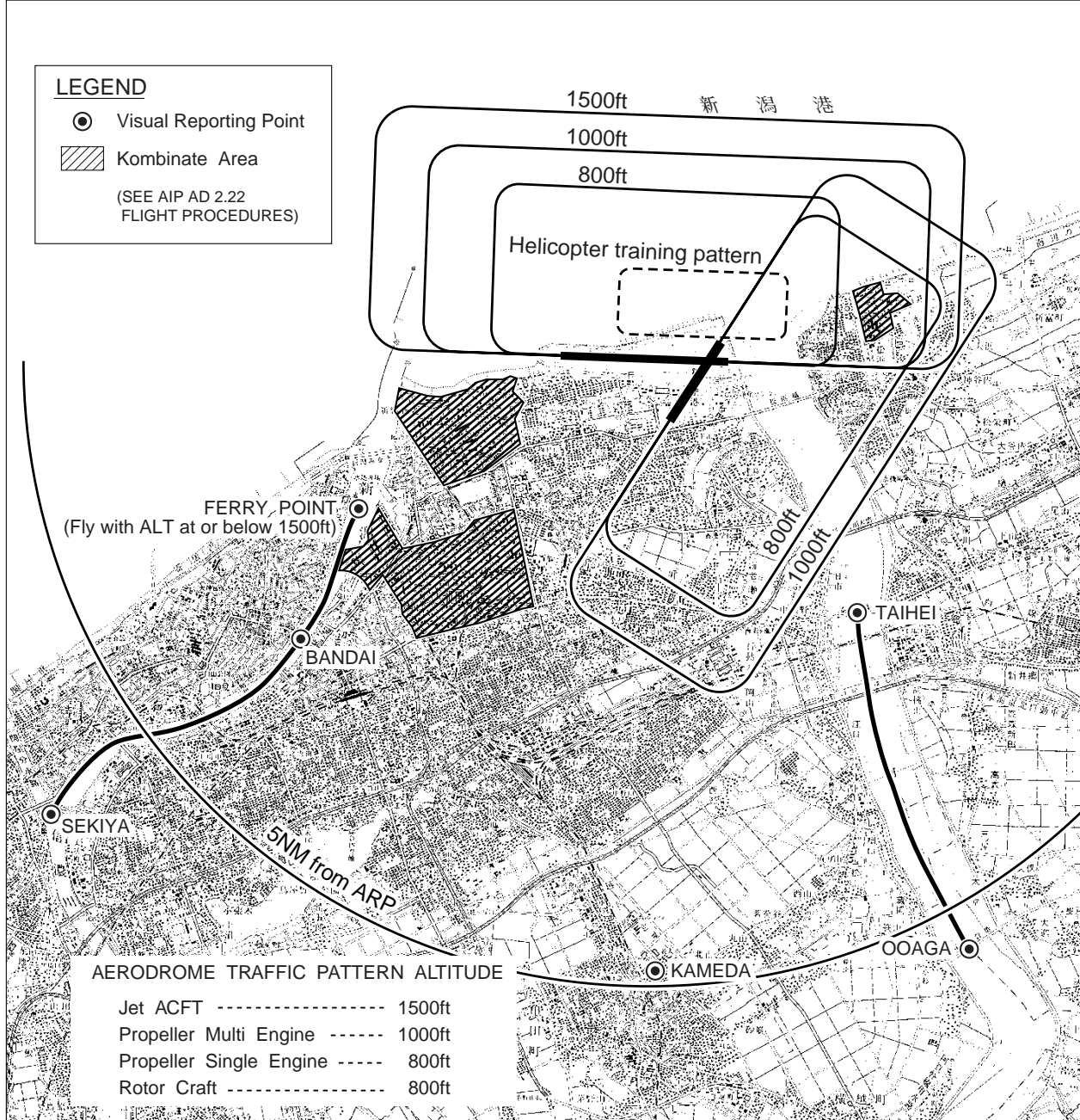


Call sign	BRG(MAG) / DIST from ARP	Remarks
胎内 Tainai	062°/15NM	胎内川河口 River-mouth
月岡 Tsukioka	126°/ 8.6NM	JR駅 Station
新津 Niitsu	185°/ 9NM	JR駅 Station
大阿賀 Ooaga	159°/ 5.2NM	橋 Bridge
亀田 Kameda	190°/ 4.7NM	JR駅 Station
関屋 Sekiya	240°/ 6NM	分水路への分岐点 Diverging-point for Flood-control channel
*泰平 Taihei	149°/ 2.6NM	橋 Bridge
*万代 Bandai	240°/ 3.5NM	橋 Bridge
*フェリーポイント 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) The point 2km down the Shinano from the Bandai Bridge. (Fly with ALT at or below 1500FT)
6NM N	360°/ 6NM	海上 Over the sea
網代 Ajiro	065°/ 7NM	防波堤突端の赤色灯台 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）

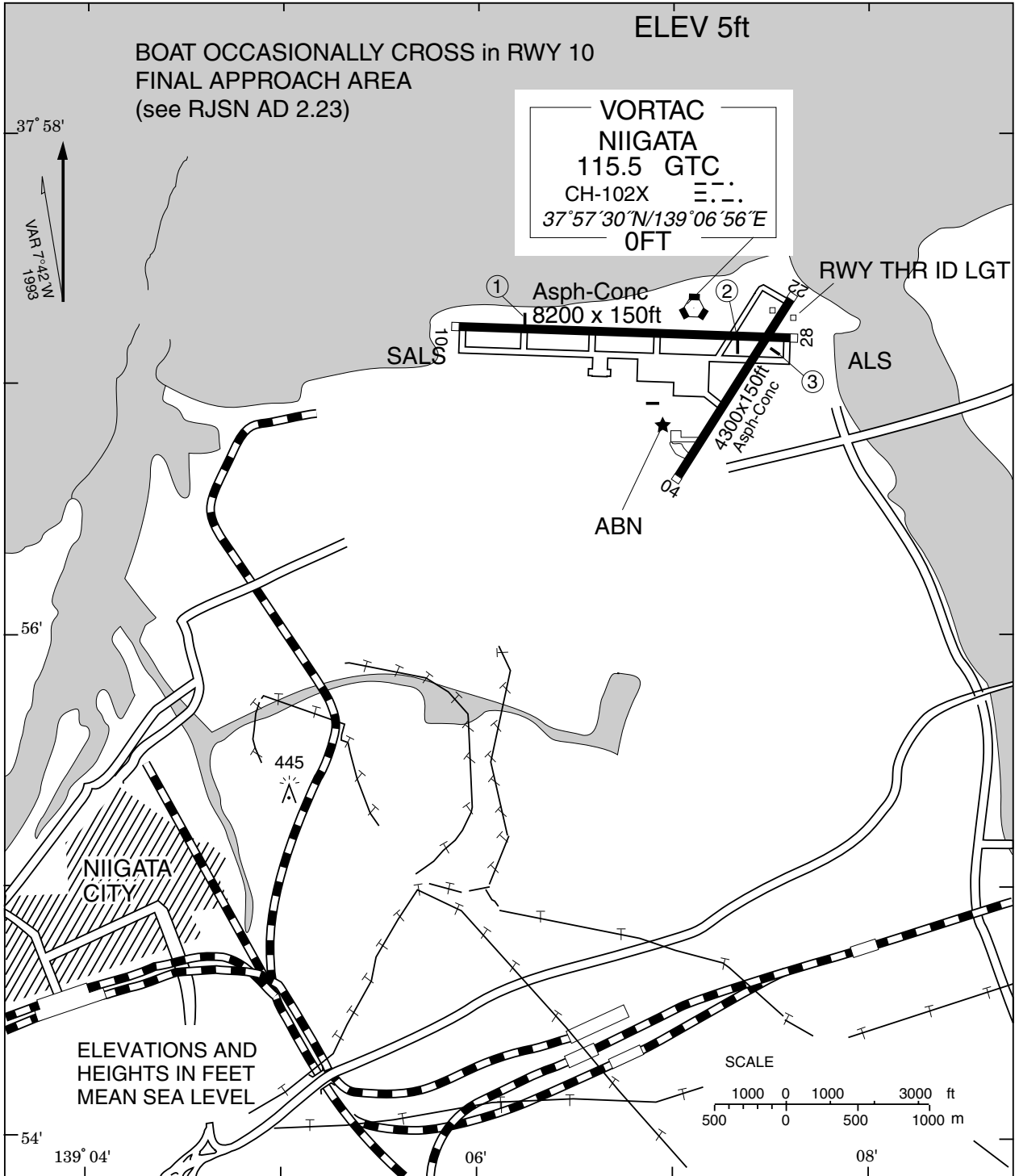
SHINANO ROUTE : The route along Shinano river between SEKIYA, BANDAI and FERRY POINT (Use for Rotor Craft)

※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)

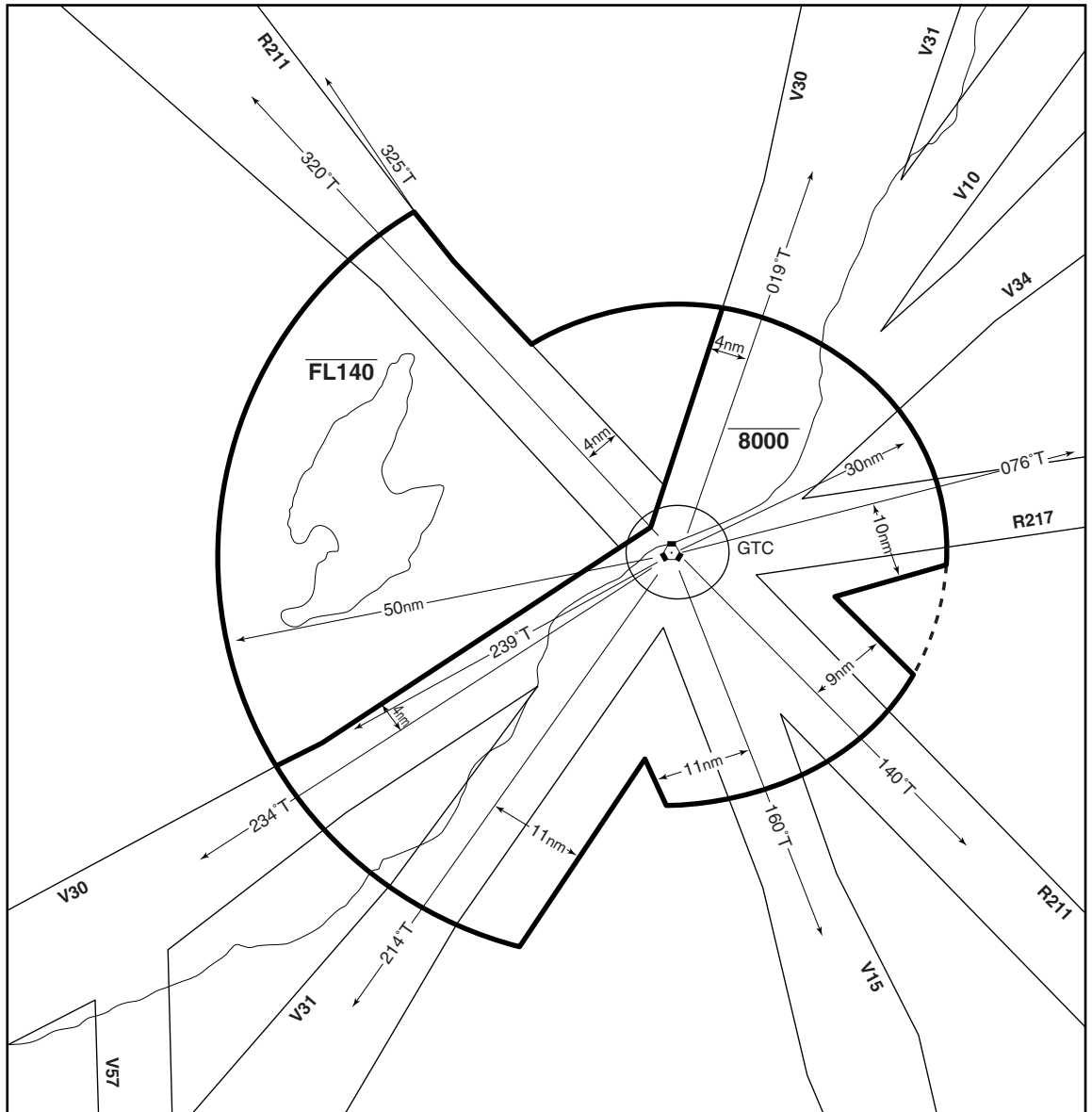
RJSN / NIIGATA

LDG CHART

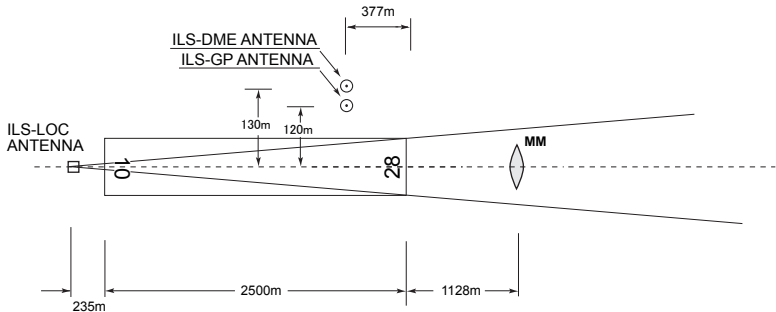


<p>① RWY10: Angle 3.0° MEHT 22.6m (74ft) 541m inside fm THR</p>	<p>② RWY28: Angle 3.0° MEHT 21.0m (69ft) 482m inside fm THR</p>	<p>③ RWY22: Angle 3.0° MEHT 18.6m (61ft) 361m inside fm THR</p>
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新潟進入管制区
Niigata Approach Control Area

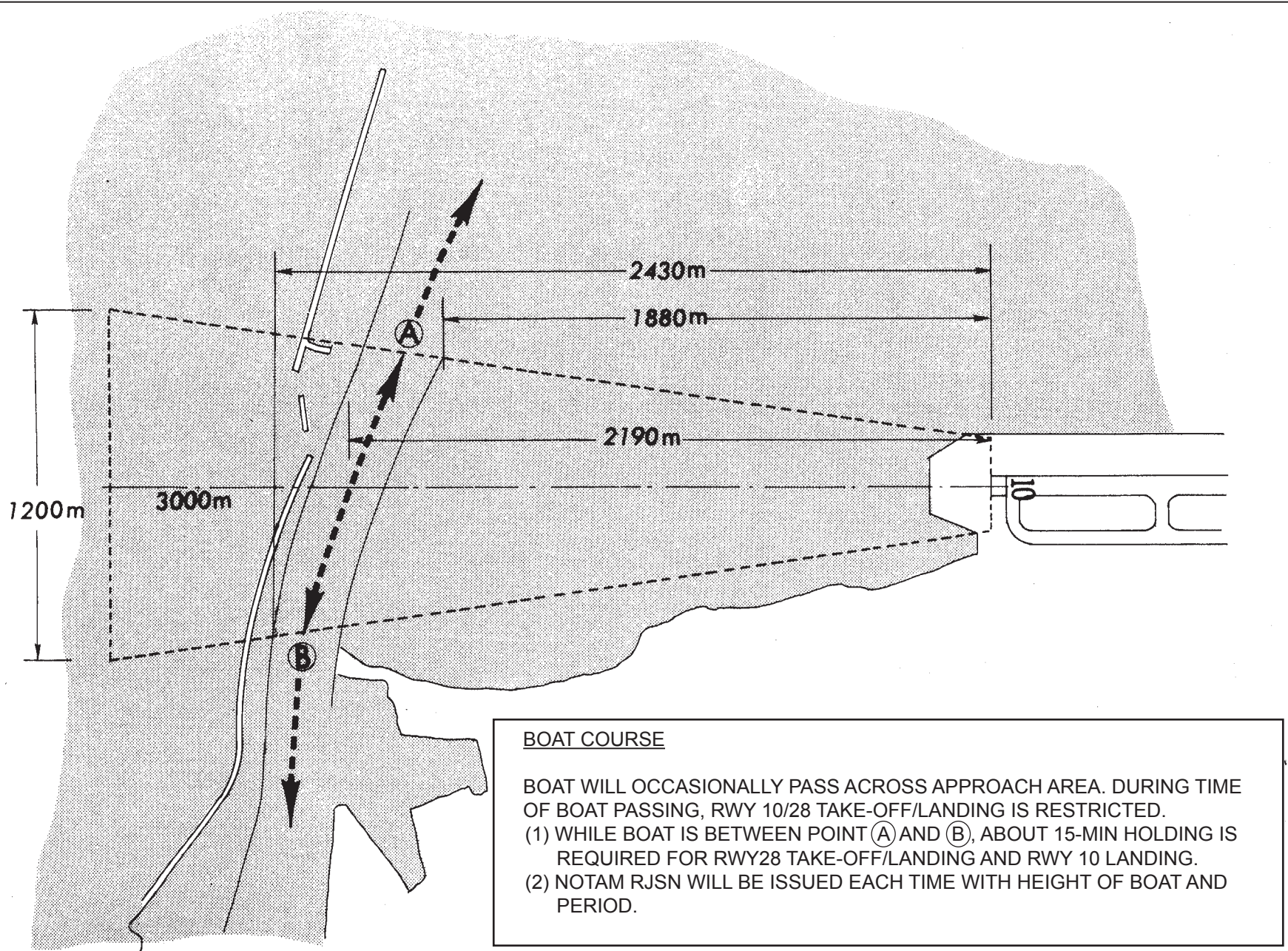


NIIGATA AIRPORT



REMARKS : 1. LOC beam BRG (MAG)
2. HGT of ILS REF datum
3. GP Angle

280
17.7m (58 ft)
3.0°



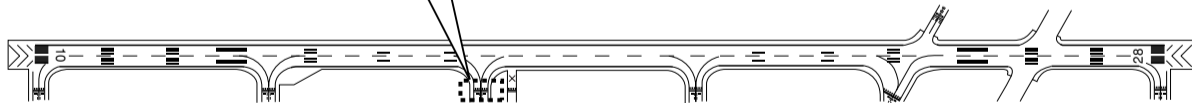
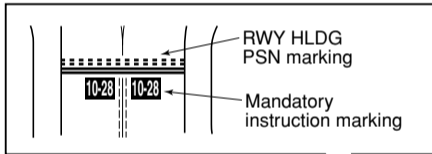
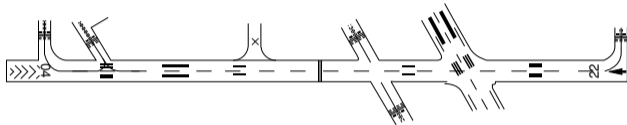
BOAT COURSE

BOAT WILL OCCASIONALLY PASS ACROSS APPROACH AREA. DURING TIME OF BOAT PASSING, RWY 10/28 TAKE-OFF/LANDING IS RESTRICTED.

(1) WHILE BOAT IS BETWEEN POINT (A) AND (B), ABOUT 15-MIN HOLDING IS REQUIRED FOR RWY28 TAKE-OFF/LANDING AND RWY 10 LANDING.

(2) NOTAM RJSN WILL BE ISSUED EACH TIME WITH HEIGHT OF BOAT AND PERIOD.

MARKING AIDS



RWY 10

RWY 28

