### **AD 2 AERODROMES**

# **RJNT AD 2.1 AERODROME LOCATION INDICATOR AND NAME**

# **RJNT - TOYAMA**

### RJNT AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	363854N/1371115E 201°/1.0km FM RWY 20 THR			
2	Direction and distance from (city)	3NM SSW FM Toyama city			
3	Elevation/ Reference temperature	77ft / 32°C(2003-2007)			
4	Geoid undulation at AD ELEV PSN	127ft			
5	MAG VAR/ Annual change	8° W(2009) / 0'			
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	Toyama pref. Public AP. Toyama Airport Administration Office 30, Akigashima, Toyama city, Toyama Pref. 939-8252 Japan Tel: 076-495-3055 Fax: 076-495-3064			
7	Types of traffic permitted(IFR/VFR)	IFR/VFR			
8	Remarks	Toyama Airport Office(CAB) 35 Akigashima, Toyama city, Toyama Pref. 939-8252 Japan Tel: 076-495-3188 Fax: 076-429-6762			

### **RJNT AD 2.3 OPERATIONAL HOURS**

1	AD Administration	2200 - 1230	
2	Customs and immigration	Customs: 2330-0815 Immigration: 0020-1000	
3	Health and sanitation	Quarantine(human): 2330-0815 Quarantine(animal, plant): INTL SKED FLT hours only	
4	AIS Briefing Office	Nil	
5	ATS Reporting Office(ARO)	Nil	
6	MET Briefing Office	H24 (TOKYO)	
7	ATS	2200 - 1230	
8	Fuelling	2100 - 1230	
9	Handling	2100 - 1230	
10	Security	2100 - 1230	
11	De-icing		
12	Remarks	Nil	

# **RJNT AD 2.4 HANDLING SERVICES AND FACILITIES**

1	Cargo-handling facilities	ndling facilities AVBL up to B777-200 ACFT			
2	2 Fuel/ oil types Fuel: JET A1, Oil: Turbine grades				
3	Fuelling facilities/ capacity	Fuel truck : 28 liter/sec			
4	De-icing facilities	Nil			
5	Hangar space for visiting aircraft	Nil			
6	Repair facilities for visiting aircraft	Nil			
7	Remarks	Nil			

### **RJNT AD 2.5 PASSENGER FACILITIES**

1	Hotels	Nil	
2	Restaurants	At airport	
3	Transportation	Buses and Taxi	
4	Medical facilities	First aid treatment: hospital in Toyama city 5km	
5	Bank and Post Office	Nil	
6	Tourist Office	At airport	
7	Remarks	Nil	

# **RJNT AD 2.6 RESCUE AND FIRE FIGHTING SERVICES**

1	AD category for fire fighting	CAT 9
2	Rescue equipment	Chemical fire fighting truck x 3, Emergency medical equipments conveyance truck
3	Capability for removal of disabled aircraft	Ask AD administration
4	Remarks	Nil

# **RJNT AD 2.7 SEASONAL AVAILABILITY-CLEARING**

1	Types of clearing equipment	Snow removal equipments: Snow sweeper x 2, Snow plow x 6, Rotary snow remover x 3		
2	Clearance priorities	RWY 02/20 TWY T1,T2 APRON		
3	Remarks	Seasonal availability: All seasons		
		Snow removal will be commenced, if the RWY and TWY are covered with a		
		depth of 3cm snow or more.		
		TWY/APN to measure the coefficient of friction: TWY T1, T2, A-APRON		

# **RJNT AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA**

1	Apron surface and strength	A-Apron: 7-1 / Surface:Concrete 7-2 / Surface:Concrete B-Apron: B-1 / Surface:Asphalt B-2 / Surface:Asphalt B-3 / Surface:Asphalt B-4 / Surface:Asphalt Strength: PCN 52/R/B/X/T Strength: PCN 16/R/B/X/T Strength: PCN 14/F/A/X/T Strength: PCN 14/F/A/X/T Strength: AUW 5700kg/0.28Mpa Strength: PCN 40/F/A/X/T		
2	Taxiway width, surface and strength	TWY T1,T2 Width: 30m Surface:Asphalt Strength: PCN 42/F/A/X/T		
3	ACL and elevation	Not available		
4	VOR checkpoints	Not Available		
5	INS checkpoints	Spot NR 1:363834.76N/1371117.92E 2:363836.74N/1371118.52E 3:363838.61N/1371119.08E 5:363840.35N/1371119.53E 6:363842.20N/1371119.92E 7:363845.06N/1371117.44E		
6	Remarks	Nil		

### RJNT AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and Visual dock- ing/ parking guidance system of aircraft stands	Aircraft stand identification signs: Spot 1,2,3,5,6,7
2	RWY and TWY markings and LGT	RWY: RWY02/20  (Marking) RWY designation, RWY CL, RWY THR, RWY middle point, Fixed DIST, RWY side stripe, RWY turn pad edge, RWY turn pad CL (LGT) RCLL, REDL, RTHL, RENL, RWY DIST marker, Turning point indicator LGT  TWY:  (Marking) TWY CL, RWY HLDG PSN, TWY side stripe, Mandatory instruction (LGT) TWY edge LGT, TWY CL LGT, Taxiing guidance sign
3	Stop bars	Nil
4	Remarks	(Marking) Overrun area (LGT) APN flood LGT

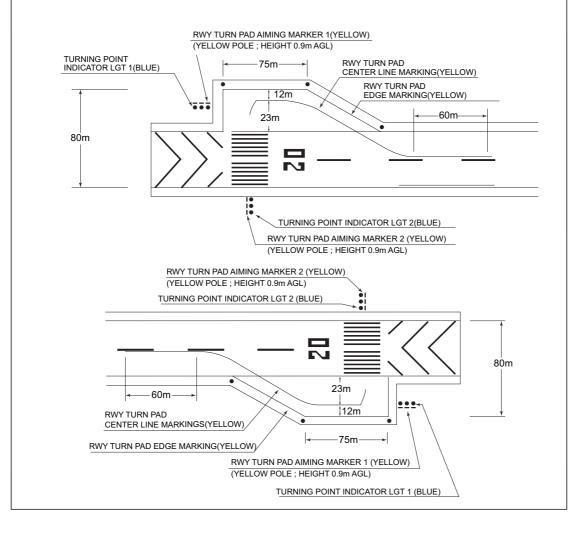
180° Turn on RWY

#### B777-200型機の滑走路180転回実施要領

- 1. 滑走路中心線からターニングパット中心線標識に従って進行する。
- 2. 経路目標標識1または転回灯1が一直線に見えるように進行し、経路目標標識2または転回灯2が一直線に見えたとき転回を開始する。転回時のSTEERING ANGLE は59度以上を使用する。

### Procedure of 180° turn on RWY of B777-200 aircraft.

- 1. Proceed along the RWY Center Line to the starting point of the RWY Turn Pad Center Line Marking; then
- 2. Proceed along the RWY Turn Pad Center Line Marking to see the RWY Turn Pad Aiming Marker 1 or Turning Point Indicator Light 1 on a straight line, then commence turn at the spot where you (pilot) can see the RWY Turn Pad Aiming Marker 2 or Turning point Indicator Light 2 on a straight line at an angle of 9 o'clock. When turning, take 59° or more steering angle.



# **RJNT AD 2.10 AERODROME OBSTACLES**

See AD2.24 LDG Chart

#### In approach/TKOF areas

RWY/Area affected	Obstacle type	Coordinates	Elevation	Markings/LGT	Remarks
RWY 02	Pylon	363702N/1371050E	270ft	Marking/ -	OBST NR 22
RWY 02	Pylon	363701N/1371037E	279ft	Marking/ -	OBST NR 23
RWY 02	Factory	363753N/1371059E	149ft	- /LIL	OBST NR 29
RWY 20	Pylon	364046N/1371131E	220ft	Marking/LIL	OBST NR 1
RWY 20	Pylon	364036N/1371152E	213ft	Marking/LIL	OBST NR 2
RWY 20	Bridge	363947N/1371130E	97ft	Marking/LIL	OBST NR 3

# In circling area and at AD

Obstacle type	Coordinates	Elevation	Markings/LGT	Remarks
Pylon	363947N/1371244E	256ft	Marking/LIL	OBST NR 4
Pylon	363938N/1371249E	233ft	Marking/LIL	OBST NR 5
Pylon	363921N/1371224E	246ft	Marking/LIL	OBST NR 6
Pylon	363914N/1371231E	249ft	- /LIL	OBST NR 7
Pylon	363908N/1371243E	262ft	- /LIL	OBST NR 8
Pylon	363901N/1371249E	259ft	Marking/LIL	OBST NR 9
Pylon	363854N/1371255E	263ft	- /LIL	OBST NR 10
Pylon	363844N/1371303E	282ft	- /LIL	OBST NR 11
Pylon	363835N/1371311E	299ft	Marking/LIL	OBST NR 12
Pylon	363805N/1371256E	212ft	- /LIL	OBST NR 13
Pylon	363801N/1371247E	261ft	Marking/LIL	OBST NR 14
Pylon	363756N/1371236E	273ft	Marking/LIL	OBST NR 15
Pylon	363747N/1371219E	236ft	- /LIL	OBST NR 16
Pylon	363740N/1371211E	238ft	Marking/LIL	OBST NR 17
Pylon	363733N/1371204E	228ft	- /LIL	OBST NR 18
Pylon	363719N/1371151E	249ft	Marking/LIL	OBST NR 19
Pylon	363743N/1371013E	231ft	Marking/LIL	OBST NR 20
Pylon	363729N/1371024E	222ft	Marking/LIL	OBST NR 21

# **RJNT AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	Associated MET Office	токуо	
2	Hours of service MET Office outside hours	H24 (TOKYO)	
3	Office responsible for TAF preparation Periods of validity	TOKYO 30 Hours	
4	Trend forecast Interval of issuance	Nil	
5	Briefing/ consultation provided	Briefing is available upon inquiry at TOKYO	
6	Flight documentation Language(s) used	C En	
7	Charts and other information available for briefing or consultation	$\begin{split} &S_6, U_{85}, U_7, U_5, U_3, U_{25}, U_2/T_r, P_s, P_5, P_3, P_{25}, P_{SWE}, P_{SWF}, P_{SWG}, P_{SWI},\\ &P_{SWM}, P_{SW}(\text{domestic}), E, C, W_E, W_F, W_G, W_I, W, N \end{split}$	
8	Supplementary equipment available for providing information	Nil	
9	ATS units provided with information	TWR	
10	Additional information(limitation of service, etc.)	Nil	

### **RJNT AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength(PCN) and surface of RWY	THR coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
02	013.59°	2000×45	PCN 42/F/A/X/T Asphalt-Concrete	363822.79N 1371105.23E 127ft	THR ELEV: 95ft
20	193.59°	2000×45	PCN 42/F/A/X/T Asphalt-Concrete	363925.86N 1371124.14E 127ft	THR ELEV: 63ft
Slope o	f RWY	Strip Dimensions(M)	,	Overrun) sions(M)	Remarks
7		10	•	11	14
See AD2.24 AD chart See AD2.24 AD chart		2120×150 2120×150	43x(MNM:1	20 MAX:150)* 17 MAX:150)* rport administrator	RWY Grooving: 2000×30m RWY Grooving: 2000×30m

# **RJNT AD 2.13 DECLARED DISTANCES**

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
02 20	2000 2000	2000 2000	2000 2000	2000 2000	Nil Nil

### **RJNT AD 2.14 APPROACH AND RUNWAY LIGHTING**

RWY Designator	APCH LGT type LEN INTST	RTHL Color WBAR	PAPI (VASIS) Angle DIST FM THR MEHT	RTZL LEN	RCLL LEN Spacing Color INTST	REDL LEN Spacing Color INTST	RENL Color WBAR	STWL LEN Color				
1	2	3	4	5	6	7	8	9				
02	-	Green	PAPI 3.0/LEFT 444.25m 63ft	-	2000m 30m Coded color (White/Red) LIH	2000m 60m Coded color (White/Yellow) LIH	Red	Nil (*2)				
20	SALS 405m (*1)	Green	PAPI 3.0/LEFT 360.07m 63ft	-	2000m 30m Coded color (White/Red) LIH	2000m 60m Coded color (White/Yellow) LIH	Red	Nil (*2)				
				Remarks								
				10								
Overrun area of CGL for RWY	SALS with RAI(LEN:495m)(*1) Overrun area edge LGT(LEN:60m Color:Red)(*2) CGL for RWY 02 RWY THR ID LGT for RWY 02 THR(Color: White)											

# **RJNT AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY**

1	ABN/IBN location, characteristics and hours of operation	ABN:363828N/1371122E, White/Green EV4.3sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI:Nil Anemometor: RWY20 : 190m FM RWY 20 THR, LGTD RWY02 : 240m FM RWY 02 THR, LGTD
3	TWY edge and center line lighting	TWY edge LGT: Blue TWY CL LGT: Green/Yellow from RWY leaving point, other Green
4	Secondary power supply/ switch- over time	Within 15 sec: All lights
5	Remarks	WDI LGT

RJNT AD2-8 AIP Japan TOYAMA

# **RJNT AD 2.16 HELICOPTER LANDING AREA**

	Nil		

### **RJNT AD 2.17 ATS AIRSPACE**

	Designation and lateral limits	Vertical limits (ft)	Airspace classification	ATS unit call sign Language	Remarks
	1	2	3	4	6
TOYAMA CTR	Area within a radius of 5nm(9km) of TOYAMA ARP (3639N/13711E)	3,000 or below	D	TOYAMA TWR En	

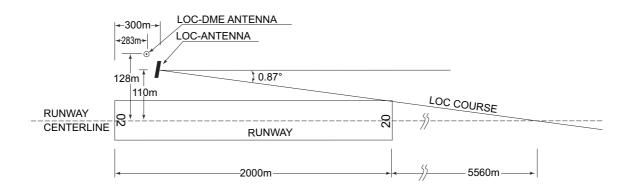
### **RJNT AD 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	Toyama Tower	124.3MHz(1) 126.2MHz	2200 - 1230	(1)Primary

# **RJNT AD 2.19 RADIO NAVIGATION AND LANDING AIDS**

Type of aid (VOR declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR (8°W/2011)	TOE	110.85MHz	2200 - 1230	363907.88N/ 1371128.00E	-	
DME	TOE	1132MHz (CH-45Y)	2200 - 1230	363907.88N/ 1371128.00E	116ft	
LOC 20	ITO	109.3MHz	2200 - 1230	363833.11N/ 1371103.77E	-	LOC: 300m (984ft) inside FM RWY 02 THR, 110m(361ft) W of RCL. BRG (MAG) 201°. Off set angle 0.87°.
LOC-DME 20	ITO	991MHz (CH-30X)	2200 - 1230	363832.69N/ 1371102.88E	98ft	DME: 283m(928ft) inside FM RWY 02 THR, 128m(420ft) W of RCL.
MSAS		1575.42MHz	H24			Transmitting antennas are satellite based

### TOYAMA AIRPORT



REMARKS: 1.LOC OFF SET ANGLE 0.87° 2.LOC beam BRG(MAG) 201°

3.ELEV of LOC-DME 29.8m(98 ft)

# **RJNT AD 2.20 LOCAL TRAFFIC REGULATIONS**

1. Airport regulations

Aircraft operations other than scheduled flights or in an emergency on use of this airport, aircraft operator is required to obtain the prior permission of the airport administrator.

2. Tax	xiing to and from stands
	Nil
3. Pa	rking area for small aircraft(General aviation)
	Nil
4. Pa	rking area for helicopters
	Nil
5. Ap	ron - taxiing during winter conditions
	Nil
6. Tax	xiing - limitations
	Nil
7. Sc	hool and training flights - technical test flights - use of runways
	Nil
8. He	licopter traffic - limitation
	Nil
9. Re	moval of disabled aircraft from runways
	Nil
	RJNT AD 2.21 NOISE ABATEMENT PROCEDURES
	Nil

#### **RJNT AD 2.22 FLIGHT PROCEDURES**

#### 1.TAKE OFF MINIMA

	RWY	REDL & RCLL		_	RCLL or larking	NIL (DAY ONLY)		
		RVR	CEIL-VIS	RVR	CEIL-VIS	RVR	CEIL-VIS	
Multi-Engine ACFT with	02	-	0'-400m	-	0'-400m	-	0'-500m	
TKOF ALTN AP filed	20	-	200'-800m	-	200'-800m	-	200'-800m	
OTHER	02	AVBL LDG MINIMA						
OTHER	20			AVBL LDG	J WIIMIWA			

#### **RJNT AD 2.23 ADDITIONAL INFORMATION**

Nil

#### **RJNT AD 2.24 CHARTS RELATED TO AN AERODROME**

Aerodrome/Heliport Chart

Standard Departure Chart - Instrument (IKUJI)

Standard Departure Chart - Instrument (URUSI REVERSAL)

Standard Departure Chart - Instrument (UOZU-RNAV)

Standard Arrival Chart - Instrument (OHANA, TOYAMA)

Standard Arrival Chart - Instrument (NANAO-RNAV) Standard Arrival Chart - Instrument (MANYO-RNAV)

Standard Arrival Chart - Instrument (GENGE-RNAV)

Instrument Approach Chart (LOC Z RWY 20)

Instrument Approach Chart (LOC Y RWY 20)

Instrument Approach Chart (RNAV(GNSS) Z RWY 20)

Instrument Approach Chart (RNAV(RNP) RWY 02)

Instrument Approach Chart (RNAV(RNP) Y RWY 20)

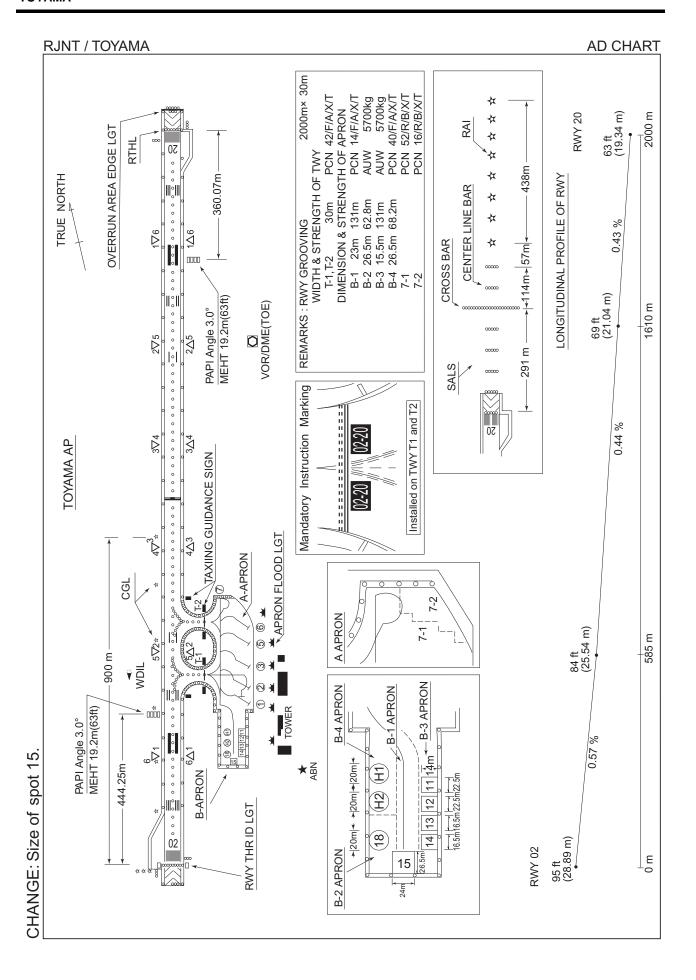
Instrument Approach Chart (VOR A)

Other Chart (Visual REP)

Other Chart (LDG Chart)

Other Chart (MVA Chart)





#### RJNT / TOYAMA

SID and TRANSITION

# IKUJI FIVE DEPARTURE

RWY02: Climb via TOE R010 to 7.0DME...

RWY20: Climb RWY HDG until 700FT, turn right HDG 055° to intercept

and proceed via TOE R010 to TOE 7.0DME... ...turn right HDG 085° to intercept and proceed via

TOE R040 to IKUJI.

NOTE RWY20: 5.0% climb gradient required up to 2000FT.

OBST ALT 762FT located at 3.8NM 202° FM end of RWY20.

# **HISUI TRANSITION**

From over IKUJI, climb via TOE R040 to HISUI.



RJNT / TOYAMA SID

### URUSI REVERSAL FOUR DEPARTURE

RWY02: Climb RWY HDG until 700FT, turn left, climb...

RWY20 : Climb RWY HDG until 700FT, turn right HDG 037° to intercept and proceed...

...via TOE R352 to NANAO, turn right, proceed via TOE R010 to

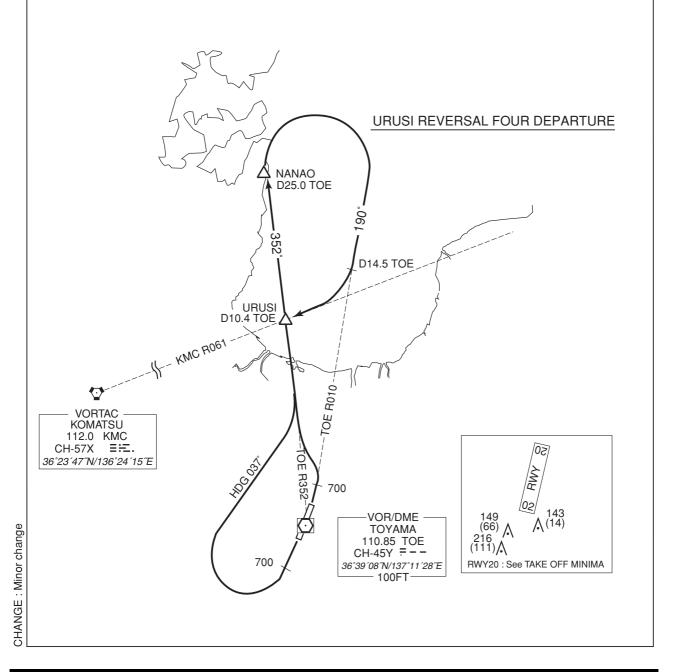
intercept and proceed via KMC R061 to URUSI.

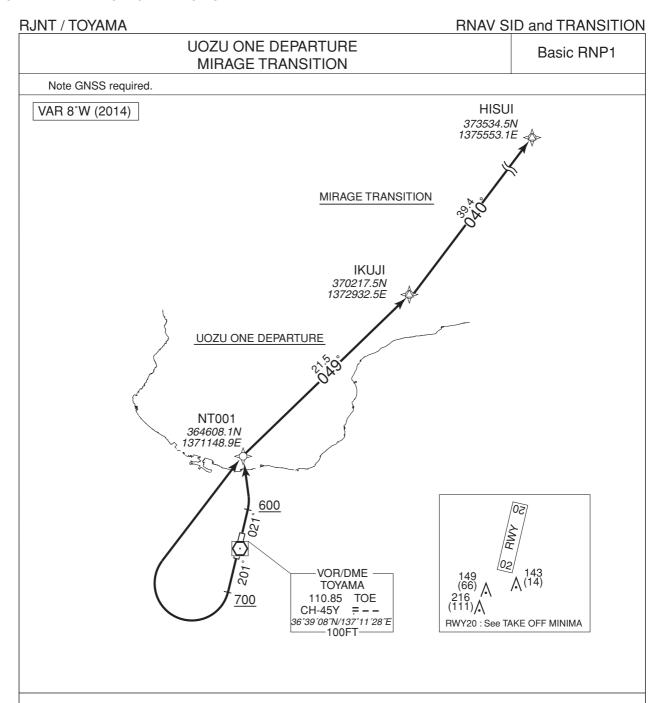
NOTE RWY02: 4.0% climb gradient required up to 1000FT.

OBST ALT 621FT located at 2.8NM 345° FM end of RWY02.

RWY20: 5.0% climb gradient required up to 2000FT.

OBST ALT 762FT located at 3.8NM 202° FM end of RWY20.





#### UOZU ONE DEPARTURE

RWY02 : Climb on HDG 021° at or above 600FT, direct to NT001, to IKUJI.

RWY20 : Climb on HDG 201° at or above 700FT, turn right direct to NT001, to IKUJI.

NOTE RWY02: 5.0% climb gradient required up to 600FT.

OBST ALT 517FT located at 2.8NM 351° FM end of RWY02.

RWY20: 5.0% climb gradient required up to 2000FT.

OBST ALT 762FT located at 3.8NM 202° FM end of RWY20.

#### MIRAGE TRANSITION

From IKUJI, to HISUI.

# RJNT / TOYAMA

# RNAV SID and TRANSITION

# **UOZU ONE DEPARTURE**

# RWY02

Serial Number	Path Descriptor	Waypoint Identifier			Magnetic Variation		Turn Direction		•		Navigation Specification
001	VA	_	_	021 (013.5)	-7.8	_	_	+600	_	_	Basic RNP1
002	DF	NT001	_	<del>-</del>	-7.8	_	_	_	1	_	Basic RNP1
003	TF	IKUJI	_	049 (041.2)	-7.8	21.5	_	_	_	_	Basic RNP1

### RWY20

Serial Number	Path Descriptor	Waypoint Identifier			Magnetic Variation		Turn Direction				Navigation Specification
001	VA	_	_	201 (193.5)	-7.8	_	_	+700	_	_	Basic RNP1
002	DF	NT001	_	_	-7.8	_	R	_	_	_	Basic RNP1
003	TF	IKUJI	_	049 (041.2)	-7.8	21.5	_	-	-	_	Basic RNP1

# MIRAGE TRANSITION

Serial Number	Path Descriptor	Waypoint Identifier			_				•		Navigation Specification
001	IF	IKUJI	_	_	-7.8	_	_	_	-	_	Basic RNP1
002	TF	HISUI	_	040 (032.1)	-7.8	39.4	_	-	-	_	Basic RNP1

#### STANDARD ARRIVAL CHART-INSTRUMENT

RJNT / TOYAMA STAR

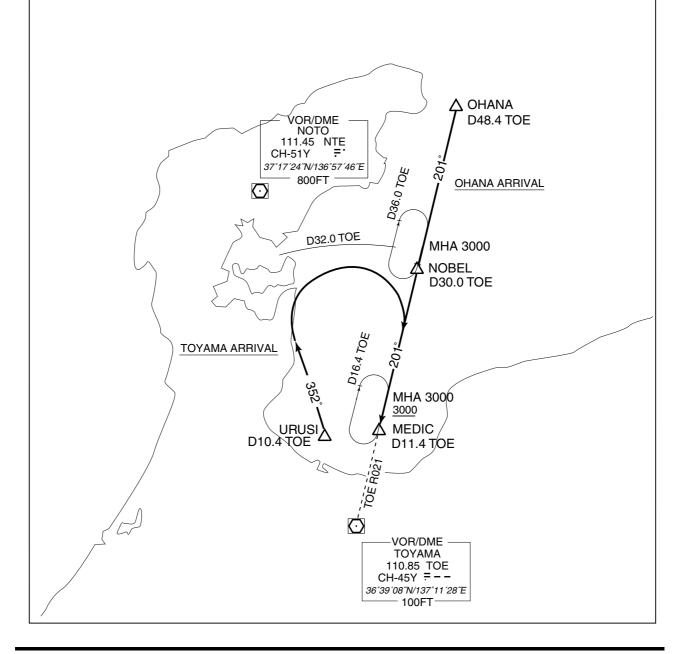
# OHANA ARRIVAL

From over OHANA, proceed via TOE R021 to MEDIC. Cross MEDIC at or above 3000FT.

# TOYAMA ARRIVAL

From over URUSI, proceed via TOE R352, turn right to intercept and proceed via TOE R021 to MEDIC within TOE 32.0DME.

Cross MEDIC at or above 3000FT.



#### STANDARD ARRIVAL CHART -INSTRUMENT

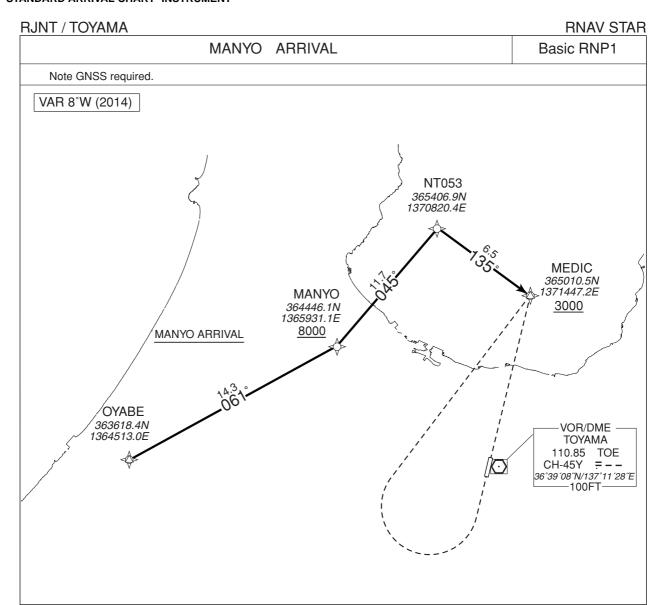
**RJNT / TOYAMA RNAV STAR** NANAO **ARRIVAL** Basic RNP1 Note GNSS required. VAR 8°W (2014) NT050 NT051 370637.9N 1371447.7E 370646.3N 1370713.0E 6.1 099<u>-</u> NT052 NANAO 370323.4N 370310.1N 1370252.8E 1371858.3E MAX 250KIAS NANAO ARRIVAL **MEDIC** 365010.5N **URUSI** 1371447.2E 364909.2N 3000 370753.5E VOR/DME -**TOYAMA** 110.85 TOE CH-45Y = -36°39′08″N/137°11′28″E -100FT

### NANAO ARRIVAL

From URUSI, to NANAO, to NT050, to NT051, to NT052, to MEDIC at or above 3000FT.

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	URUSI	_	_	-7.8	_	_	_	_	_	Basic RNP1
002	TF	NANAO	_	352 (344.1)	-7.8	14.6	_	_	-250	_	Basic RNP1
003	TF	NT050	_	052 (043.8)	-7.8	5.0	_	_	_	_	Basic RNP1
004	TF	NT051	_	099 (091.3)	-7.8	6.1	_	_	_	_	Basic RNP1
005	TF	NT052	_	142 (134.2)	-7.8	4.7	_	_	_	_	Basic RNP1
006	TF	MEDIC	_	202 (194.2)	-7.8	13.6	_	+3000	_	_	Basic RNP1

#### STANDARD ARRIVAL CHART -INSTRUMENT

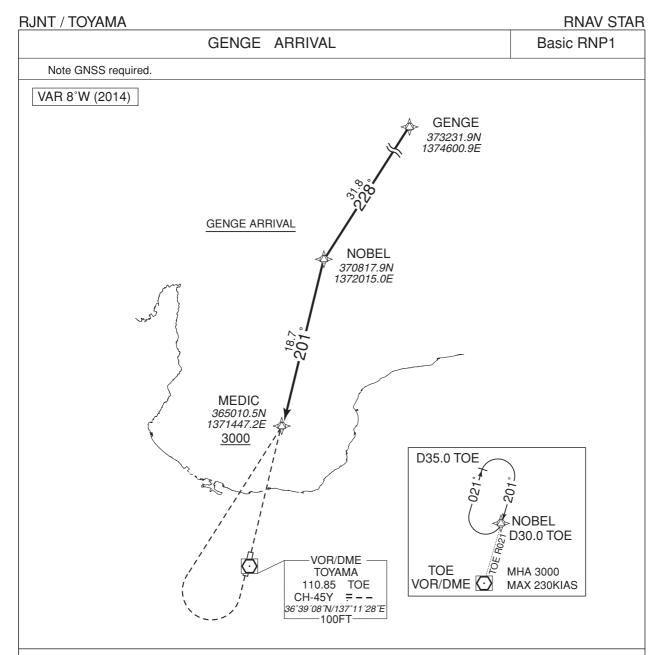


## MANYO ARRIVAL

From OYABE, to MANYO at or above 8000FT, to NT053, to MEDIC at or above 3000FT.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	
001	IF	OYABE	_	_	-7.8	_	_	_	_	_	Basic RNP1
002	TF	MANYO	_	061 (053.5)	-7.8	14.3	_	+8000	_	_	Basic RNP1
003	TF	NT053	_	045 (037.0)	-7.8	11.7	_	_	_	_	Basic RNP1
004	TF	MEDIC	_	135 (127.4)	-7.8	6.5	_	+3000	_	_	Basic RNP1

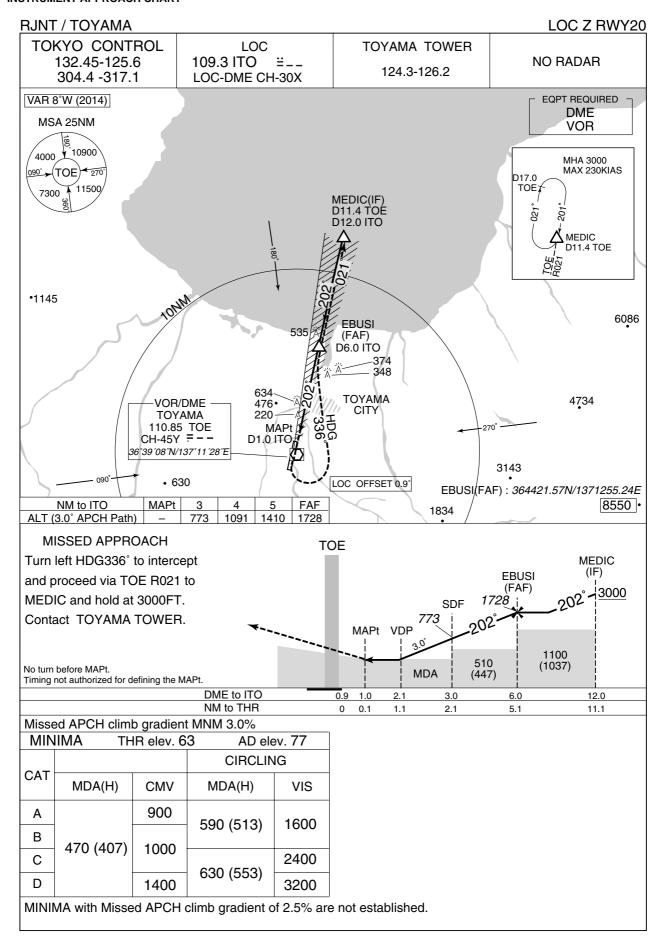
#### STANDARD ARRIVAL CHART -INSTRUMENT

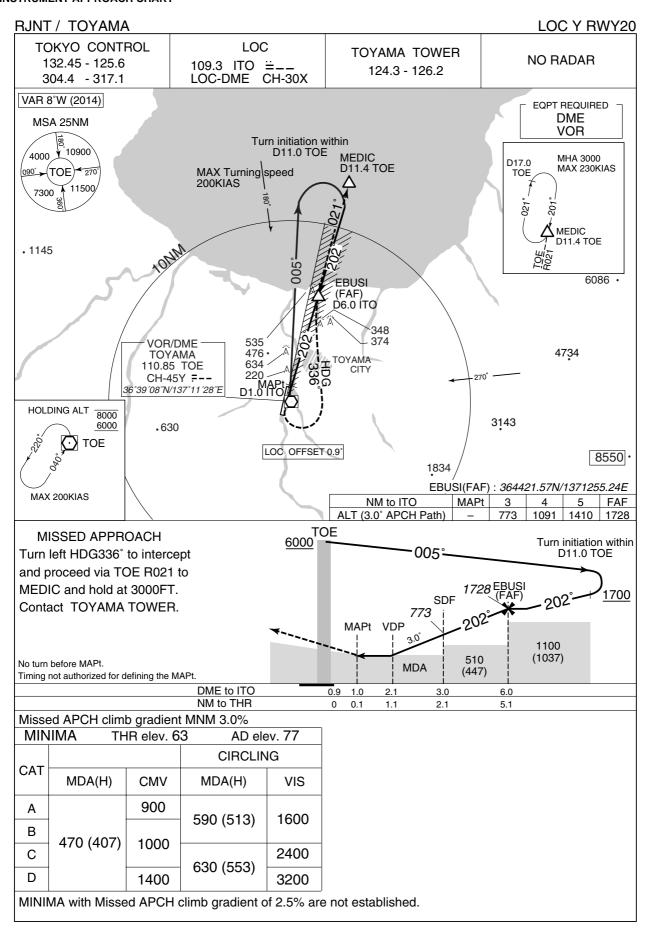


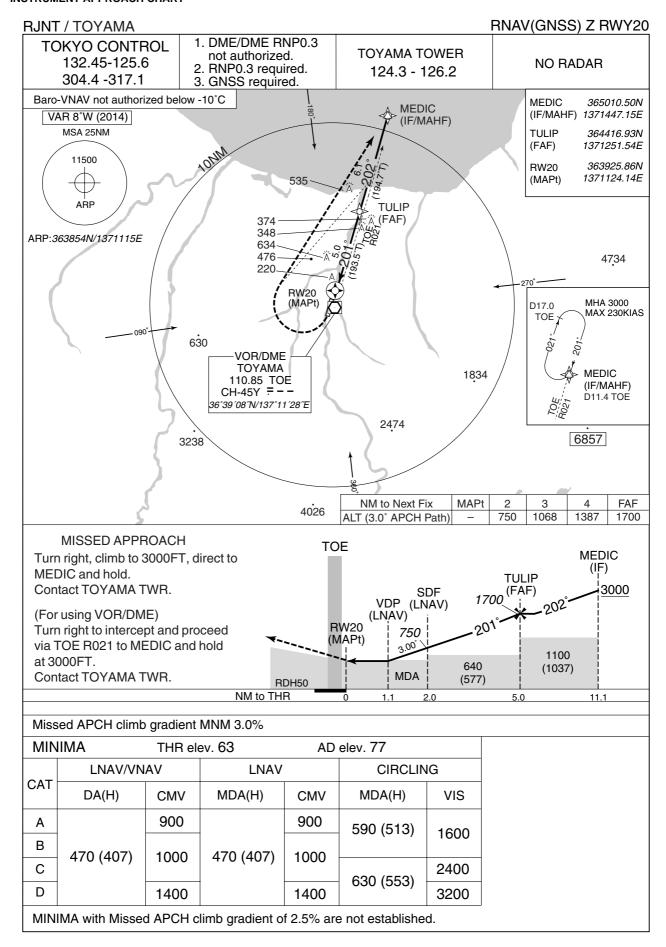
### **GENGE ARRIVAL**

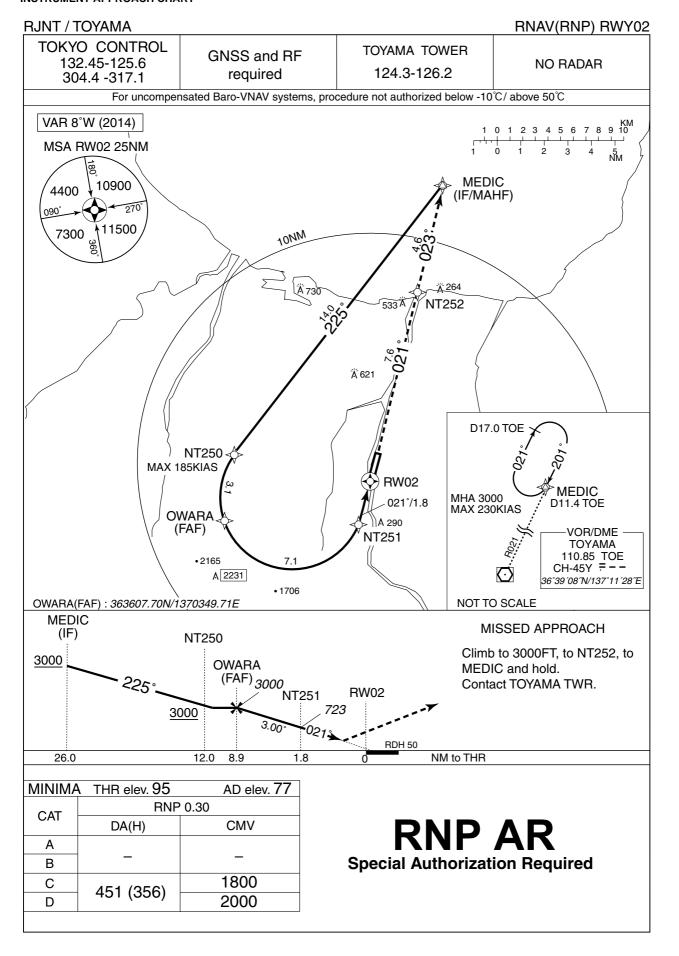
From GENGE, to NOBEL, to MEDIC at or above 3000FT.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)		
001	IF	GENGE	_	_	-7.8	_	_	_	_	_	Basic RNP1
002	TF	NOBEL	_	228 (220.3)	-7.8	31.8	_	-	_	_	Basic RNP1
003	TF	MEDIC	_	201 (193.6)	-7.8	18.7	_	+3000	_	_	Basic RNP1









# RJNT / TOYAMA

# RNAV(RNP) RWY02

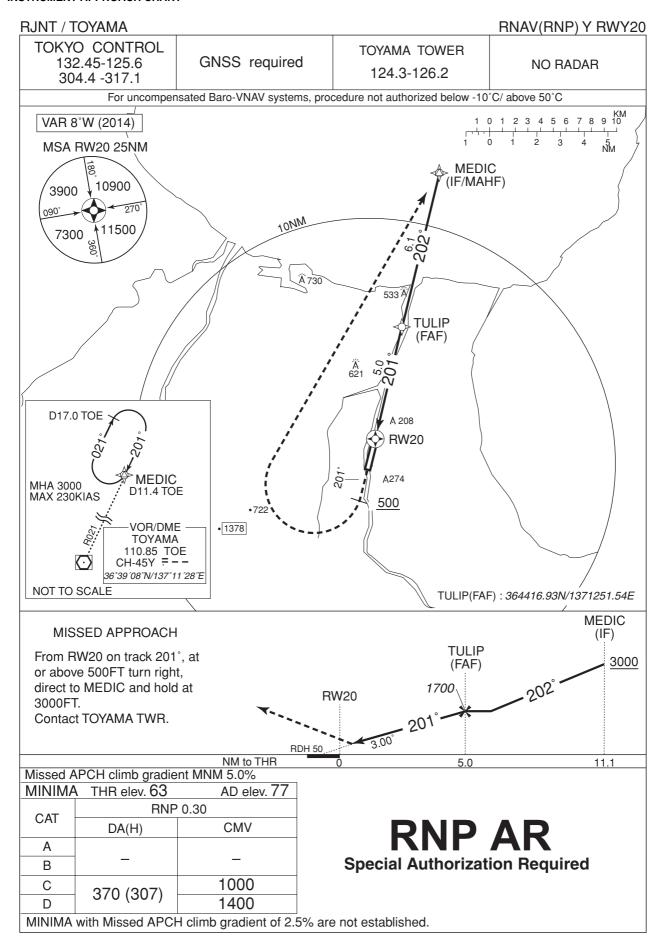
# RNAV(RNP) RWY02

# 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	MEDIC	-	_	-7.8	_	-	+3000	-	_	_
002	TF	NT250	-	225 (217.2)	-7.8	14.0	-	+3000	-185	_	1.0
003	RF Center: NTRF1 r=2.87NM	OWARA	_	_	-7.8	3.1	L	3000	-	-	1.0
004	RF Center: NTRF1 r=2.87NM	NT251	_	_	-7.8	7.1	L	723	_	-3.00	0.3
005	TF	RW02	Υ	021 (013.5)	-7.8	1.8	-	145	_	-3.00/50	0.3
006	TF	NT252	_	021 (013.5)	-7.8	7.6	_	_	_	_	1.0
007	TF	MEDIC	-	023 (015.0)	-7.8	4.6	_	3000	-	_	1.0

# Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
MEDIC	365010.50N/1371447.15E	NTRF1	363717.08N/1370705.51E
NT250	363901.33N/1370415.09E		
OWARA	363607.70N/1370349.71E		
NT251	363636.65N/1371033.43E		
RW02	363822.79N/1371105.23E		
NT252	364543.55N/1371317.58E		



# RJNT / TOYAMA

# RNAV(RNP) Y RWY20

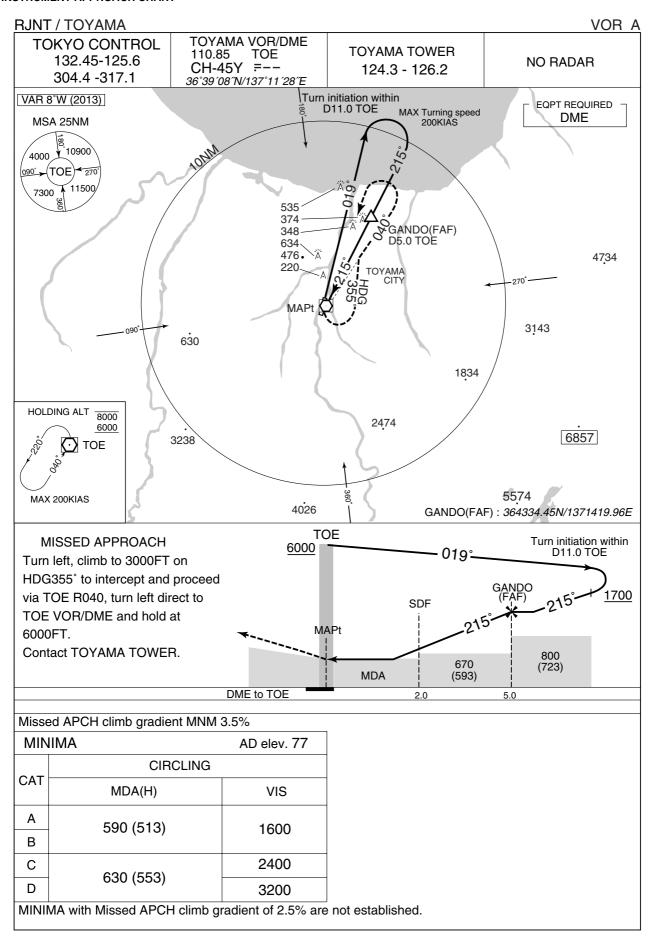
# RNAV(RNP) Y RWY20

# 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	MEDIC	_	_	-7.8	_	-	+3000	_	_	-
002	TF	TULIP	-	202 (194.7)	-7.8	6.1	-	1700	-	-	1.0
003	TF	RW20	Υ	201 (193.5)	-7.8	5.0	_	113	_	-3.00/50	0.3
004	FA	-	_	201 (193.5)	-7.8	_	-	+500	_	_	1.0
005	DF	MEDIC	_	_	-7.8	_	R	3000	-	_	1.0

# Waypoint Coordinates

Waypoint Identifier	Coordinates
MEDIC	365010.50N/1371447.15E
TULIP	364416.93N/1371251.54E
RW20	363925.86N/1371124.14E





※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).

	Call sign	BRG / DIST from ARP	Remarks
ARP.	富山ハーバー Toyama harbor	016°T / 6.9NM	港 Harbor
from	水橋 Mizuhashi	039°T / 8.3NM	(常願寺川)河口 River-mouth
BRG/DIST	高岡 Takaoka	304°T / 10.0NM	JR駅 JR Station
J. BRG	小杉インターチェンジ Kosugi Interchange	296°T / 5.8NM	北陸自動車道インターチェンジ Interchange
pdated	立山インターチェンジ Tateyama Interchange	072°T / 7.0NM	北陸自動車道インターチェンジ Interchange
Map updated.	砺波パーク Tonami Park	268°T / 9.0NM	砺波総合運動公園 Park
	上滝 Kamitaki	114°T / 5.7NM	駅 Station
CHANGE	笹津 Sasazu	167°T / 5.3NM	JR駅 JR Station

TION AGL (FT) MSL (FT)  185 220 176 213 45 97 187 256 189 233 178 249 173 249 173 249 189 259 180 259 180 259 180 228 189 282 189 282 189 282 180 228 180 228 110 228 110 228 110 228 1110 228 125 249 110 228 135 261 1110 228 135 286 135 286 135 286 1403 223 135 286 1403 223 135 286 1403 223 135 286 1403 223 135 286 140 243					LDG CHART
185     220       176     213       45     97       187     256       173     249       173     249       173     262       189     263       189     263       189     263       189     282       189     282       189     283       120     212       125     236       126     238       127     228       132     270       135     286       51     223       135     283       140     268	OBSTRCTION NR	AGL (FT)	MSL (FT)	AERONAUTICAL OBSTRUCTIONS LIGHTS	DAY MARKINGS
176       213         45       97         187       256         159       233         178       246         173       249         189       259         189       259         189       262         189       263         189       263         189       282         120       212         125       236         126       238         127       228         132       270         132       270         135       286         71       243         120       266         135       283         136       283         127       243         128       286         129       266	-	185	220	0	0
45       97         187       256         178       246         173       249         192       263         189       263         189       263         189       263         189       263         189       263         189       282         189       282         180       299         180       299         180       228         125       236         126       238         127       228         132       270         135       286         51       223         71       243         71       243         120       266         74       149	2	176	213	0	0
187     256       159     233       178     246       173     249       189     262       189     263       189     263       189     282       189     282       189     282       120     212       125     236       126     238       127     228       132     270       132     270       135     286       136     283       120     223       135     288       120     223       135     283       120     283	က	45	97	0	0
159       233         178       246         173       249         189       259         189       282         189       282         189       282         189       282         189       282         180       299         180       299         181       273         182       284         103       222         132       270         135       286         136       283         137       243         140       266	4	187	256	0	0
178       246         173       249         192       262         189       263         189       263         189       263         189       282         189       282         189       282         120       212         125       238         126       228         127       273         132       270         132       270         135       286         136       283         120       283         135       283         120       283         136       283         120       266	S	159	233	0	0
173       249         192       262         189       259         189       263         189       282         189       282         120       212         125       261         167       273         125       236         126       236         127       273         128       228         132       270         132       270         135       286         136       283         120       266         120       266	9	178	246	0	0
192     262       189     259       189     263       189     282       189     282       120     212       125     284       126     238       127     273       128     222       103     222       132     270       135     286       71     243       120     283       120     283       120     266       120     266	2	173	249	1	0
189     259       189     263       189     263       189     282       120     212       135     261       167     273       125     236       126     238       127     228       128     2249       103     222       132     270       135     286       71     243       120     266       120     266       120     266       120     266	8	192	262	I	0
189     263       189     282       189     282       120     212       140     273       125     249       103     222       132     270       132     270       135     286       71     243       120     283       135     283       120     283       120     266	6	189	259	0	0
189     282       189     282       180     299       120     212       145     261       167     273       125     236       126     238       127     228       128     249       132     270       132     270       135     286       120     243       120     266       120     266       120     266       140     0	10	189	263	I	0
189     299       120     212       135     261       167     273       125     236       126     238       127     228       128     249       103     222       132     279       135     286       51     223       71     243       120     266       77     266       77     266       77     149	11	189	282	I	0
120     212       135     261       167     273       125     236       126     238       110     228       120     224       120     231       132     270       132     279       135     286       71     243       120     266       77     243       120     266       77     149	12	189	299	0	0
135     261       167     273       125     236       125     238       110     228       120     231       120     231       132     270       132     279       135     286       51     223       71     243       120     266       47     149	13	120	212	1	0
167     273       125     236       126     238       110     228       120     224       120     231       132     222       132     279       135     286       51     223       71     243       120     266       47     149	14	135	261	0	0
125       236         125       238         110       228         120       2249         120       231         103       222         132       270         135       279         136       286         71       243         120       266         47       149	15	167	273	0	0
125     238       110     228       125     249       120     231       103     222       132     270       132     279       135     286       51     223       71     243       120     266       47     149	16	125	236	I	0
110     228       125     249       120     231       103     222       132     270       132     279       135     286       51     223       71     243       120     266       47     149	17	125	238	0	0
125     249       120     231       103     222       132     270       135     279       135     286       71     243       120     266       47     149	18	110	228	1	0
120 231 103 222 132 270 132 279 135 286 51 223 71 243 135 283 120 266	19	125	249	0	0
103     222       132     270       132     279       135     286       51     223       71     243       120     266       47     149	20	120	231	0	0
132     270       132     279       135     286       51     223       71     243       135     283       120     266       47     149	21	103	222	0	0
132     279       135     286       51     223       71     243       135     283       120     266       47     149	22	132	270	1	0
135     286       51     223       71     243       135     283       120     266       47     149	23	132	279	_	0
51     223       71     243       135     283       120     266       47     149	24	135	286	_	I
71     243       135     283       120     266       47     149	25	51	223	-	I
135     283       120     266       47     149	26	71	243	-	I
120 266 47 149	27	135	283	1	I
47 149	28	120	266	l	I
	29	47	149	0	0



