

RJSC / YAMAGATA SID

#### YAMAGATA FOUR DEPARTURE

RWY01: Climb RWY HDG to 2000FT, via YTE R017 to 22.0DME, turn left, via

YTE R003 to YTE VOR/DME.

RWY19: Climb RWY HDG to 2000FT, turn right, direct to YTE VOR/DME, cross YTE

VOR/DME at or above 4000FT, via YTE R017 to 15.0DME, turn left, via

YTE R354 to YTE VOR/DME.

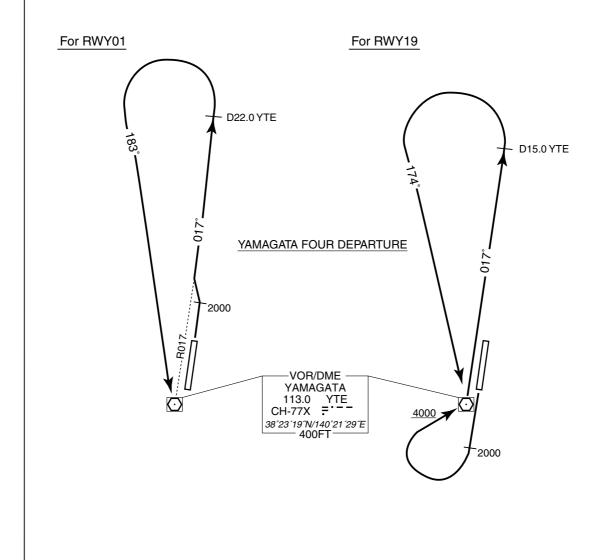
Note RWY01: 5.0% climb gradient required up to 2000FT.

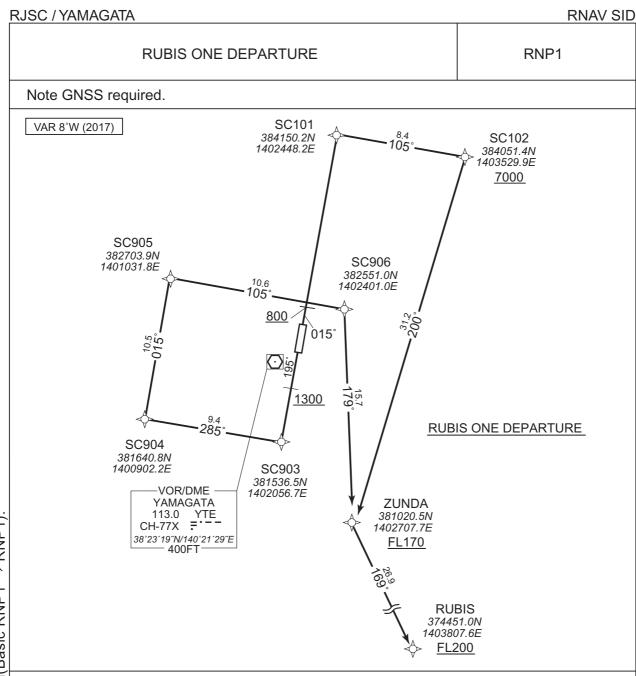
OBST ALT 1182FT located at 4.2NM 033° FM end of RWY01.

RWY19: 5.0% climb gradient required up to 2000FT.

OBST ALT 788FT located at 3.1NM 181° FM end of RWY19.

Note No turn before DER.





### RUBIS ONE DEPARTURE

RWY01: Climb on HDG015° at or above 800FT, direct to SC101, to SC102 at or above 7000FT,...

RWY19: Climb on HDG195° at or above 1300FT, direct to SC903, to SC904, to SC905,

to SC906,...

... to ZUNDA at or above FL170, to RUBIS at or above FL200.

Note RWY01: 5.0% climb gradient required up to 2000FT.

OBST ALT 3609FT located at 16.0NM 039° FM end of RWY01.

RWY19: 4.0% climb gradient required up to 1300FT.

OBST ALT 919FT located at 3.2NM 181° FM end of RWY19.

## RJSC / YAMAGATA

**RNAV SID** 

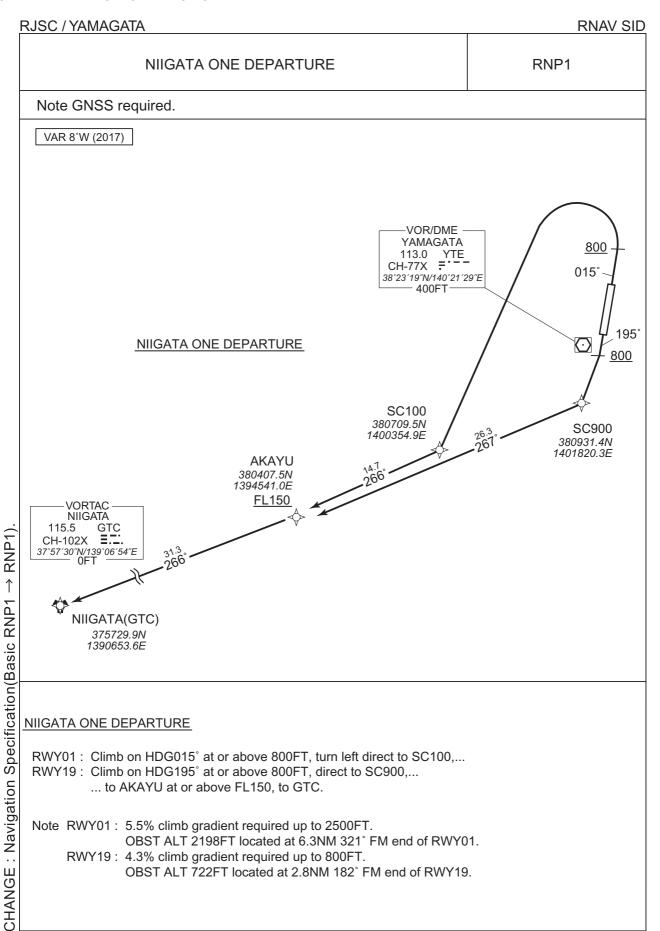
# **RUBIS ONE DEPARTURE**

### RWY01

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	-	-	015 (006.6)	-8.2	-	1	+800	1	-	RNP1
002	DF	SC101	-	ı	-8.2	-	i	ı	1	ı	RNP1
003	TF	SC102	-	105 (096.6)	-8.2	8.4	ı	+7000	1	1	RNP1
004	TF	ZUNDA	-	200 (192.2)	-8.2	31.2	i	+FL170	1	ı	RNP1
005	TF	RUBIS	-	169 (161.2)	-8.2	26.9	-	+FL200	-	-	RNP1

### RWY19

			1								
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	1	-	195 (186.6)	-8.2	-	ı	+1300	ı	ı	RNP1
002	DF	SC903	-	-	-8.2	-	ı	1	ı	ı	RNP1
003	TF	SC904	-	285 (276.6)	-8.2	9.4	1	1	1	1	RNP1
004	TF	SC905	-	015 (006.4)	-8.2	10.5	1	1	1	1	RNP1
005	TF	SC906	-	105 (096.5)	-8.2	10.6	-	-	-	-	RNP1
006	TF	ZUNDA	-	179 (171.0)	-8.2	15.7	-	+FL170	-	1	RNP1
007	TF	RUBIS	-	169 (161.2)	-8.2	26.9		+FL200		-	RNP1



# RJSC / YAMAGATA

**RNAV SID** 

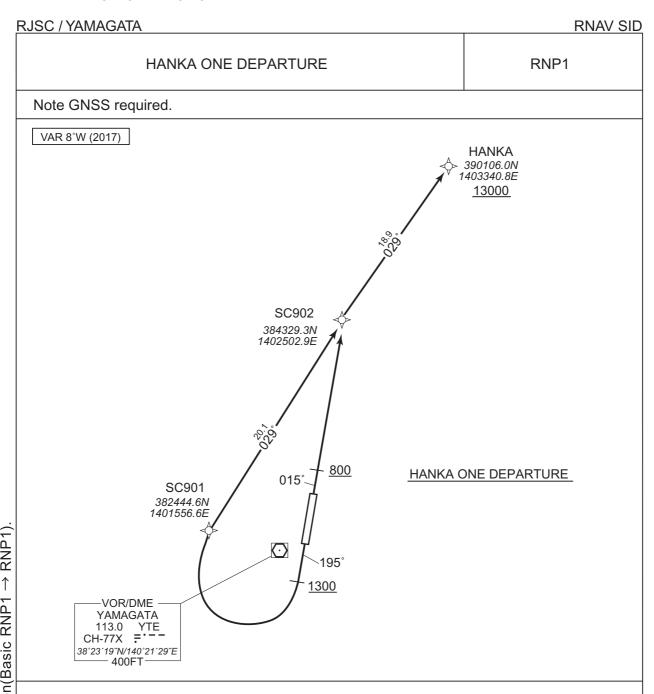
## NIIGATA ONE DEPARTURE

### RWY01

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	-	1	015 (006.6)	-8.2	-	ı	+800	ı	ı	RNP1
002	DF	SC100	ı	ı	-8.2	ı	L	ı	ı	ı	RNP1
003	TF	AKAYU	1	266 (258.2)	-8.2	14.7	ı	+FL150	1	1	RNP1
004	TF	GTC	1	266 (258.0)	-8.2	31.3	-	-	-	1	RNP1

### RWY19

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	-	ı	195 (186.6)	-8.2	ı	ı	+800	ı	ı	RNP1
002	DF	SC900	ı	1	-8.2	ı	ı	ı	1	1	RNP1
003	TF	AKAYU	-	267 (258.3)	-8.2	26.3	ı	+FL150	1	1	RNP1
004	TF	GTC	-	266 (258.0)	-8.2	31.3	-	-	-	-	RNP1



#### HANKA ONE DEPARTURE

RWY01: Climb on HDG015° at or above 800FT, direct to SC902,...

RWY19: Climb on HDG195° at or above 1300FT, turn right direct to SC901, to SC902,...

... to HANKA at or above 13000FT.

Note RWY01: 5.0% climb gradient required up to 800FT.

OBST ALT 1542FT located at 6.5NM 026° FM end of RWY01.

RWY19: 4.0% climb gradient required up to 1300FT.

OBST ALT 919FT located at 3.2NM 181° FM end of RWY19.

No turn before DER.

## RJSC / YAMAGATA

**RNAV SID** 

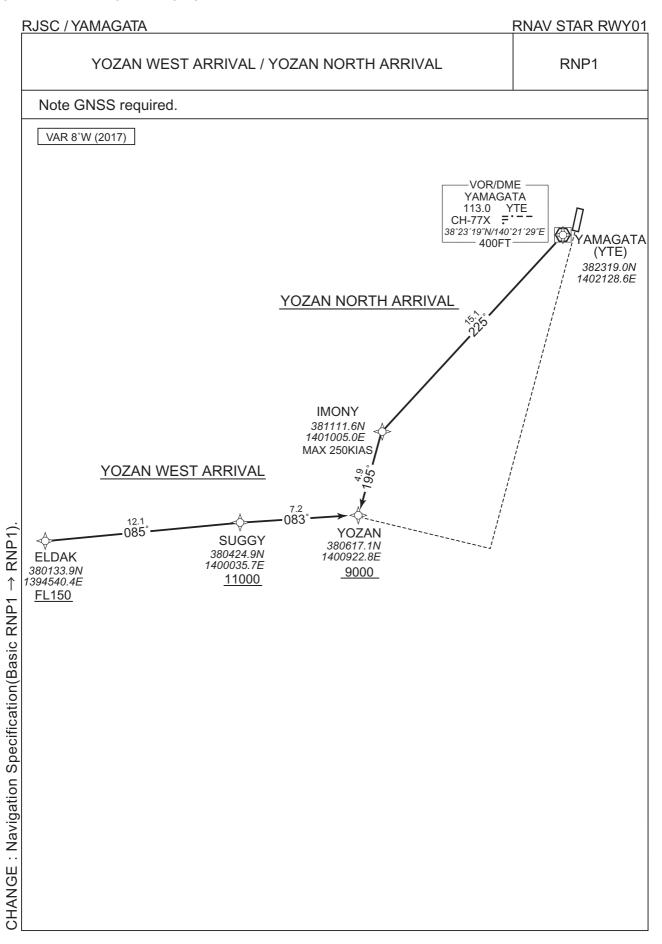
## **HANKA ONE DEPARTURE**

### RWY01

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	-	-	015 (006.6)	-8.2	-	-	+800	-	-	RNP1
002	DF	SC902	-	-	-8.2	-	-	-	-	-	RNP1
003	TF	HANKA	-	029 (020.8)	-8.2	18.9	-	+13000	-	-	RNP1

#### RWY19

1 1 1 1	10										
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	-	-	195 (186.6)	-8.2	ı	ı	+1300	ı	-	RNP1
002	DF	SC901	-	1	-8.2	1	R	-	-	1	RNP1
003	TF	SC902	-	029 (020.7)	-8.2	20.1	ı	1	1	1	RNP1
004	TF	HANKA	-	029 (020.8)	-8.2	18.9	-	+13000	-		RNP1



### RJSC / YAMAGATA

### **RNAV STAR RWY01**

## YOZAN WEST ARRIVAL

STANDARD ARRIVAL CHART - INSTRUMENT

From ELDAK at or above FL150, to SUGGY at or above 11000FT,

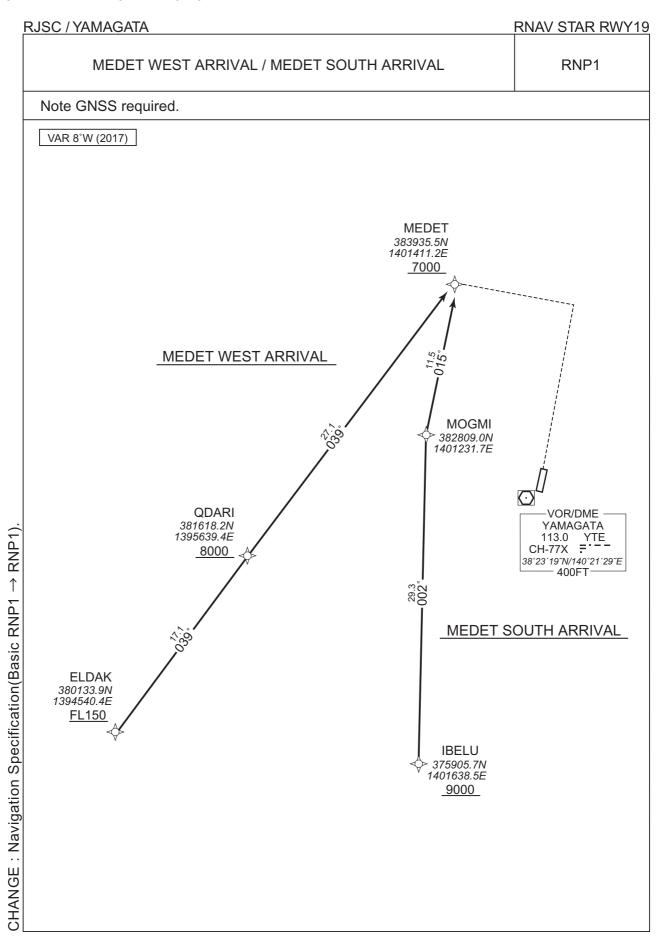
to YOZAN at or above 9000FT.

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	ELDAK	1	-	-8.2		-	+FL150	-	1	RNP1
002	TF	SUGGY	1	085 (076.3)	-8.2	12.1	-	+11000	-	-	RNP1
003	TF	YOZAN	-	083 (074.8)	-8.2	7.2	-	+9000	-	-	RNP1

### **YOZAN NORTH ARRIVAL**

From YTE, to IMONY, to YOZAN at or above 9000FT.

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	YTE	-	-	-8.2	-	-	-	-	-	RNP1
002	TF	IMONY	-	225 (216.5)	-8.2	15.1	-	-	-250	-	RNP1
003	TF	YOZAN	-	195 (186.4)	-8.2	4.9	-	+9000	-	-	RNP1



### RJSC / YAMAGATA

### **RNAV STAR RWY19**

### MEDET WEST ARRIVAL

From ELDAK at or above FL150, to QDARI at or above 8000FT,

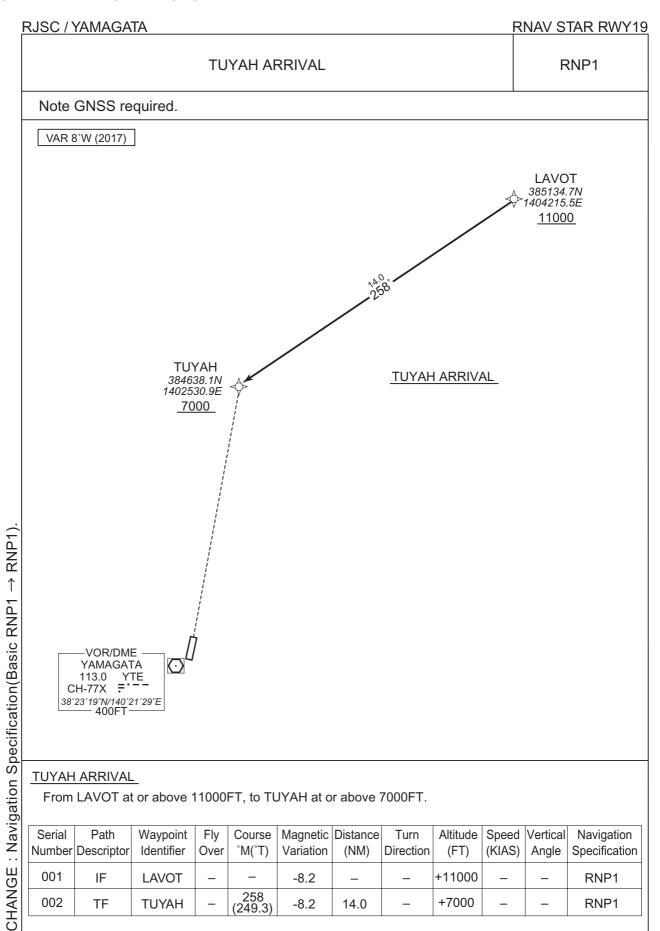
to MEDET at or above 7000FT.

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	ELDAK	-	-	-8.2	1	-	+FL150	-	1	RNP1
002	TF	QDARI	-	039 (030.3)	-8.2	17.1	-	+8000	-	1	RNP1
003	TF	MEDET	-	039 (030.4)	-8.2	27.1	-	+7000	-	-	RNP1

# MEDET SOUTH ARRIVAL

From IBELU at or above 9000FT, to MOGMI, to MEDET at or above 7000FT.

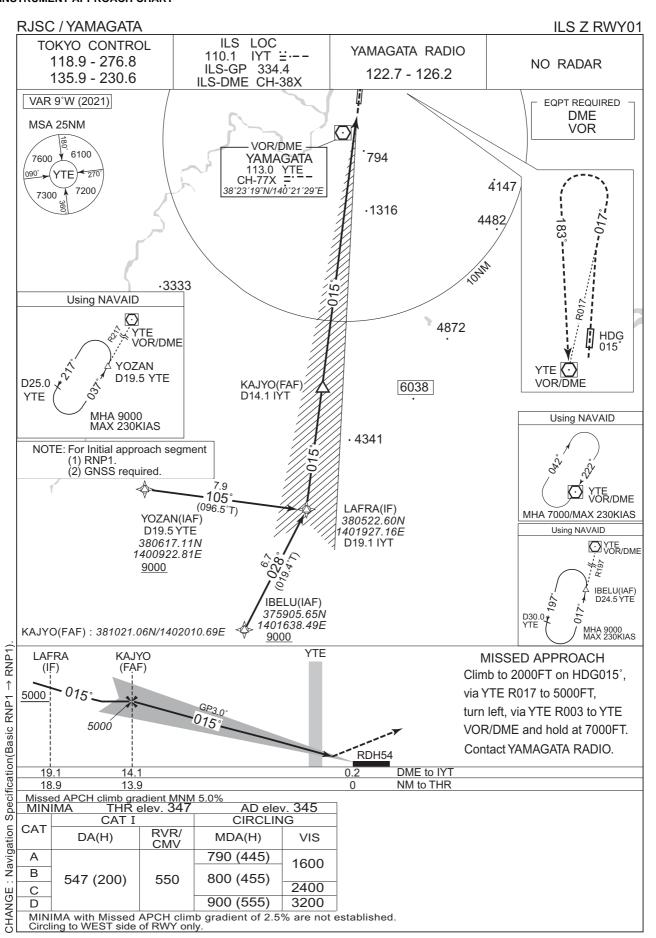
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	IBELU	1	-	-8.2	-	-	+9000	-	-	RNP1
002	TF	MOGMI	1	002 (353.7)	-8.2	29.3	ı	-	1	-	RNP1
003	TF	MEDET	-	015 (006.5)	-8.2	11.5	-	+7000	-	-	RNP1

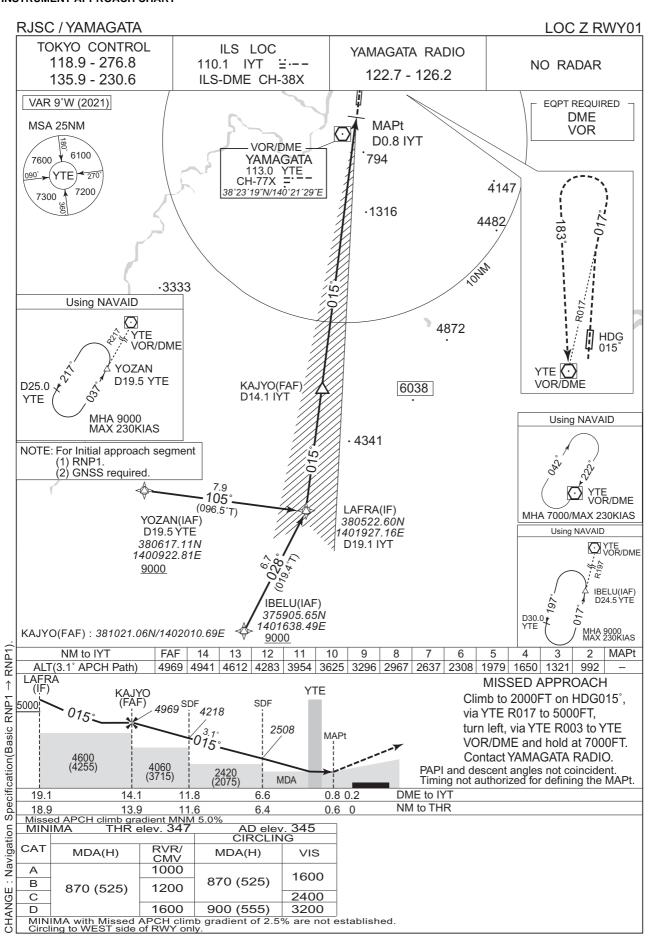


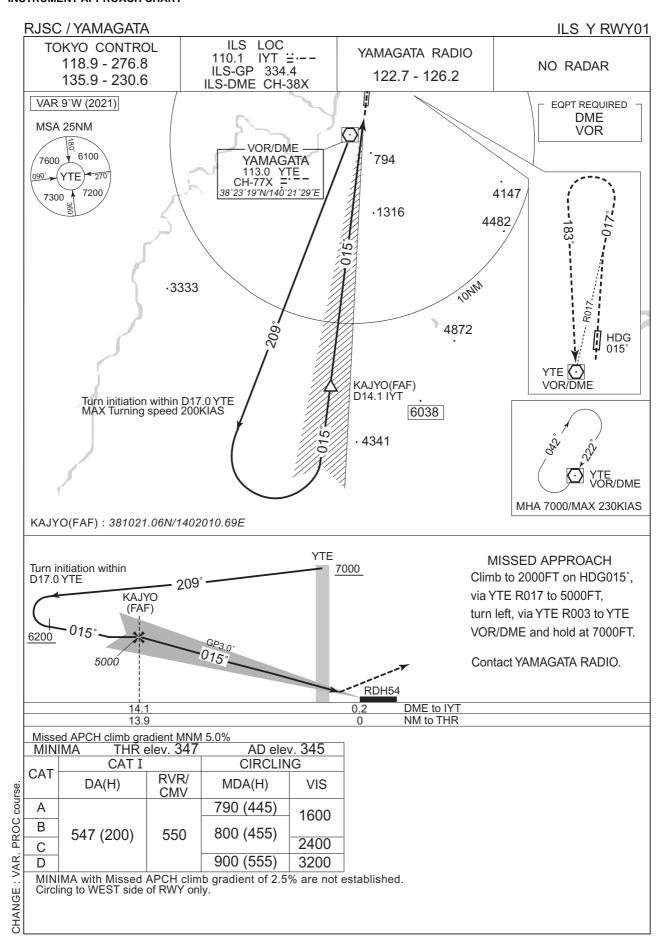
#### TUYAH ARRIVAL

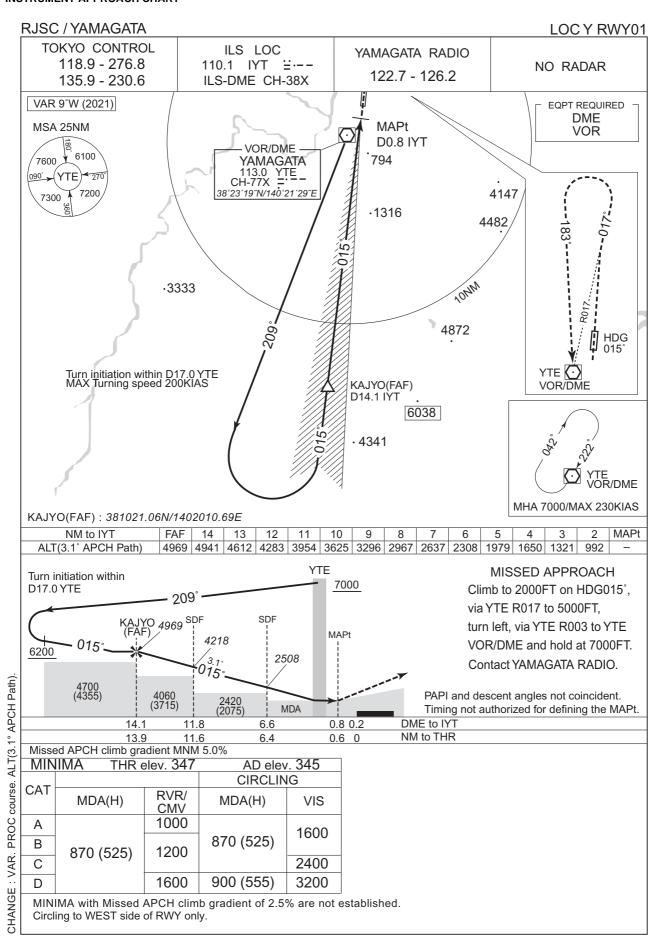
From LAVOT at or above 11000FT, to TUYAH at or above 7000FT.

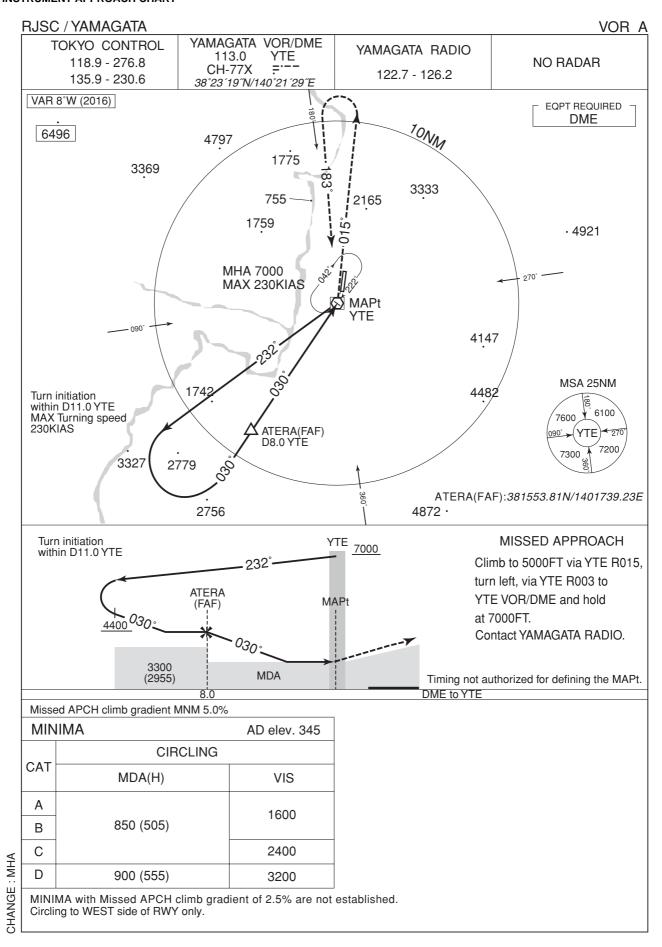
001 IF LAVOT8.2 - +11000	Numbor			Fly	Course	Iviagnetic	Distance	Turn	Aititude	Speed	verticai	Navigation
. 2.001	Highline	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
	001	IF	LAVOT	_	_	-8.2	_	-	+11000	_	-	RNP1
$ \left  \begin{array}{c c c c c c c c c c c c c c c c c c c $	002	TF	TUYAH	_	258 (249.3)	-8.2	14.0	_	+7000	_	_	RNP1

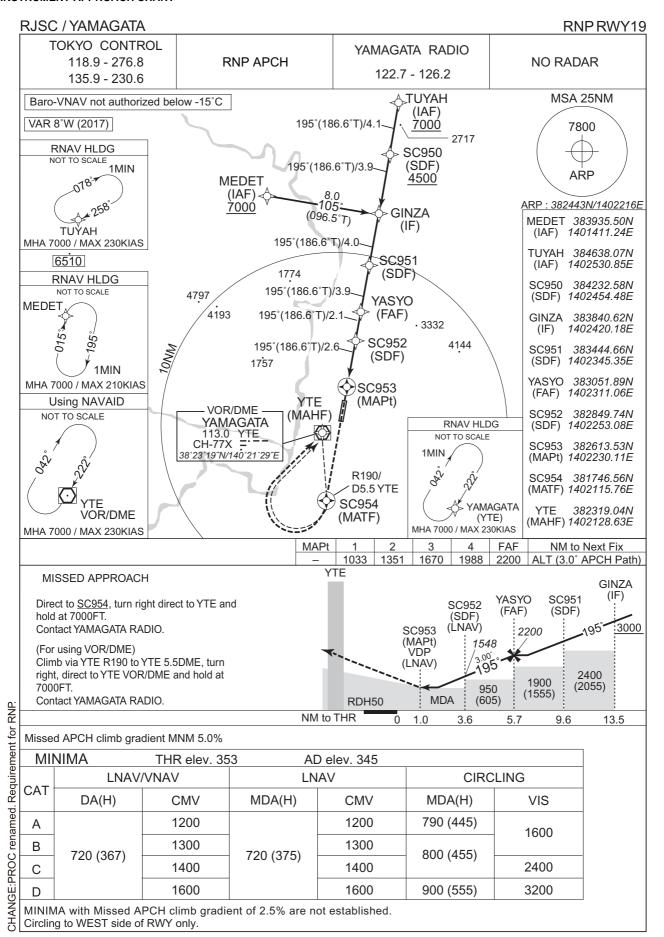


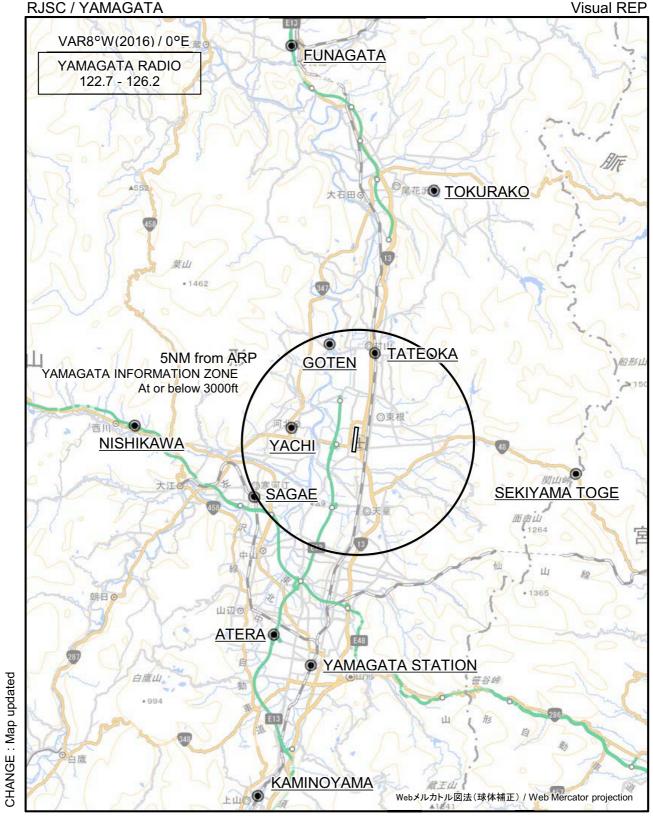












※図中に標高を示す数字がある場合、単位はメートル(m)である。 The unit of measurement used to express elevation is meter(m).

# RJSC / YAMAGATA

# Visual REP

Call sign	BRG / DIST from ARP	Remarks
舟形 Funagata	351°T / 17.7NM	舟形インターチェンジ Interchange
徳良湖 Tokurako	017°T / 11.5NM	徳良湖 Lake
碁点 Goten	344°T / 4.5NM	村山市民体育館 Gymnasium
楯岡 Tateoka	010°T / 4.0NM	村山駅(旧楯岡駅) JR station
西川 Nishikawa	274°T / 9.8NM	西川インターチェンジ Interchange
谷地 Yachi	282°T / 3.0NM	谷地高校 School
関山峠 Sekiyama Toge	100°T / 9.5NM	関山トンネル Tunnel
寒河江 Sagae	242°T / 5.1NM	寒河江駅 JR station
アテラ Atera	203°T / 9.3NM	山形中央インターチェンジ Interchange
山形ステーション Yamagata Station	192°T / 10.0NM	山形駅 JR station
上山 Kaminoyama	196°T / 16.2NM	かみのやま温泉駅 JR station

