

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.

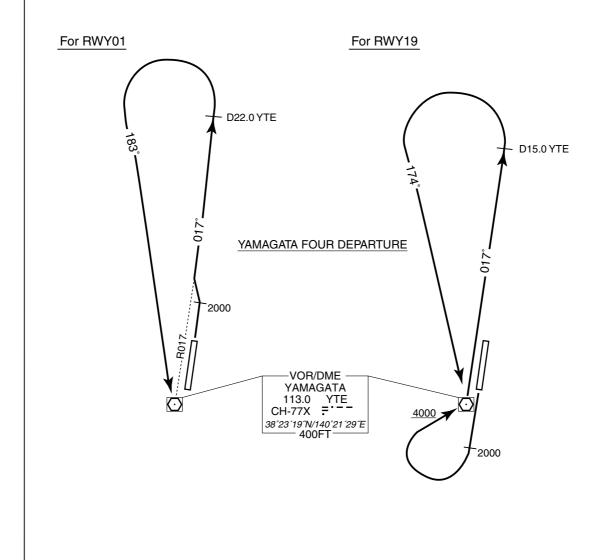
Note RWY01: 5.0% climb gradient required up to 2000FT.

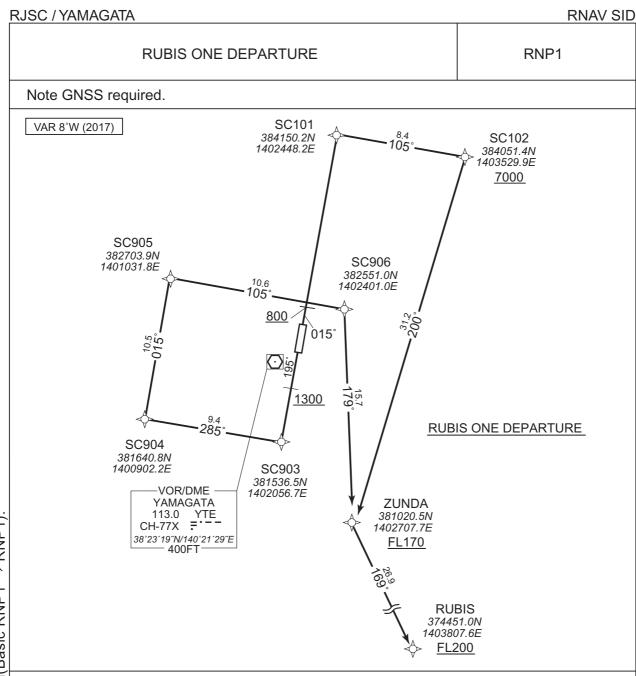
OBST ALT 1182FT located at 4.2NM 033° FM end of RWY01.

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

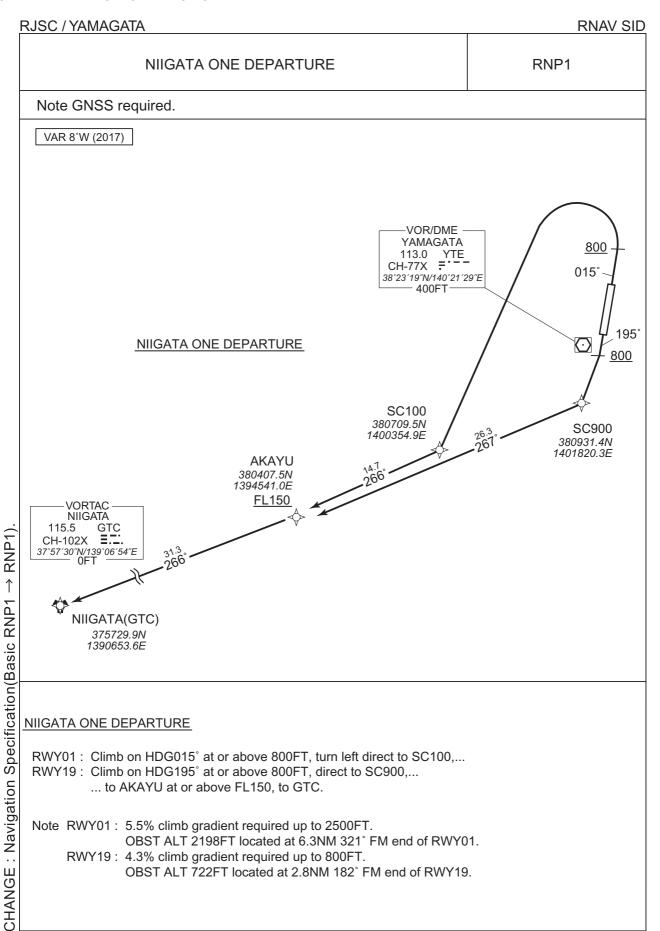
RUBIS ONE DEPARTURE

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

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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



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RNAV SID

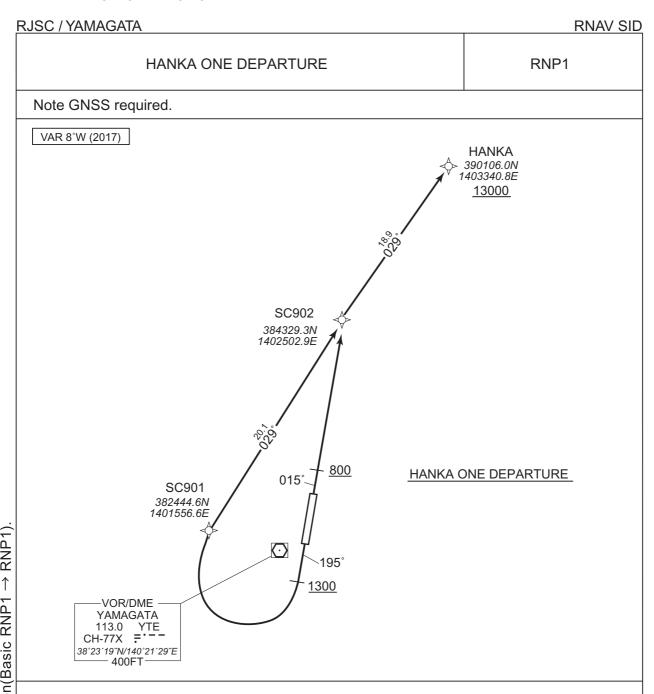
NIIGATA ONE DEPARTURE

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

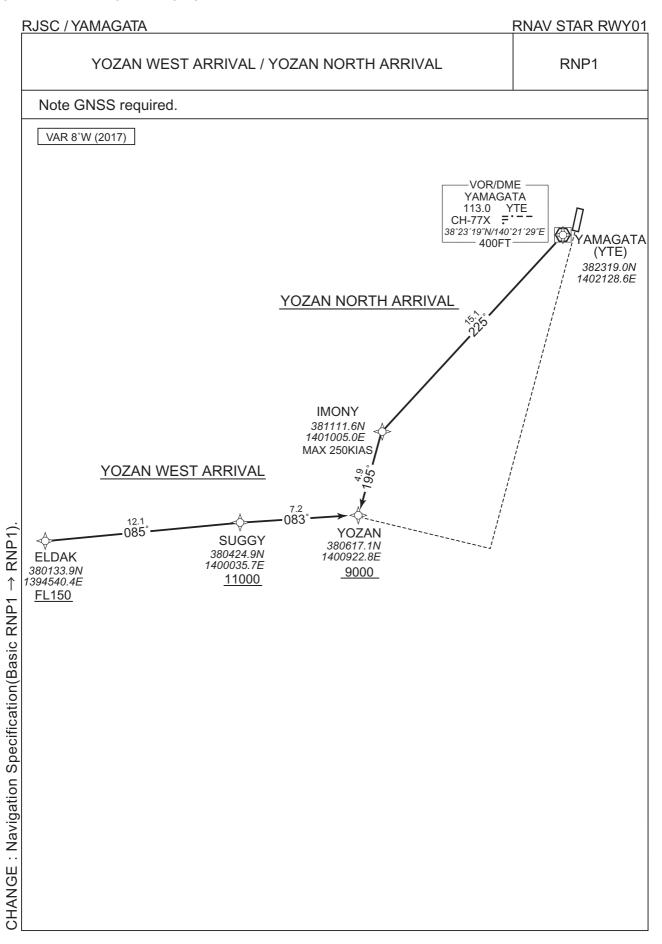
HANKA ONE DEPARTURE

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

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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



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RNAV STAR RWY01

YOZAN WEST ARRIVAL

STANDARD ARRIVAL CHART - INSTRUMENT

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

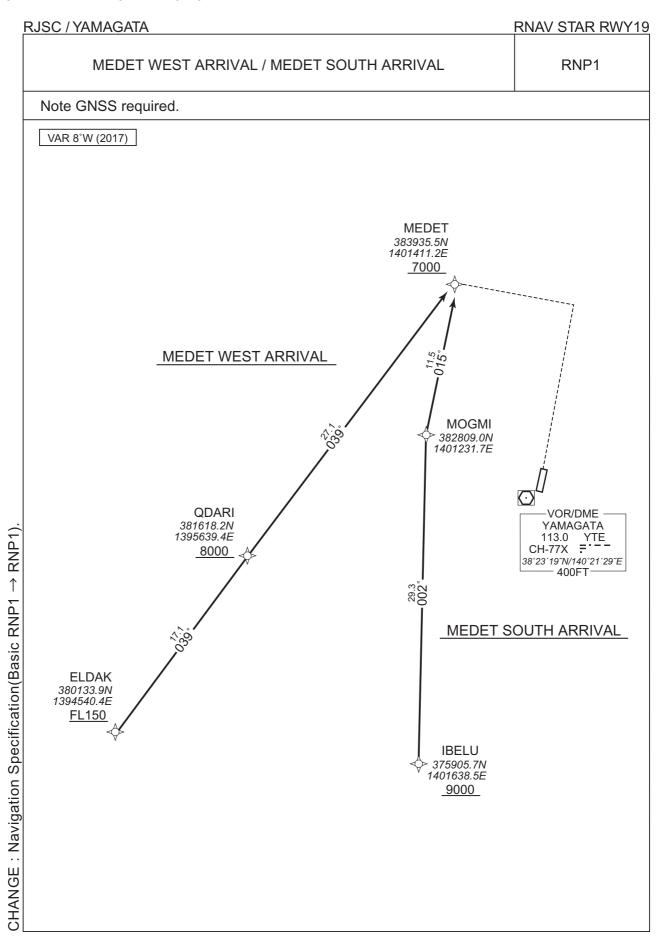
to YOZAN at or above 9000FT.

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,

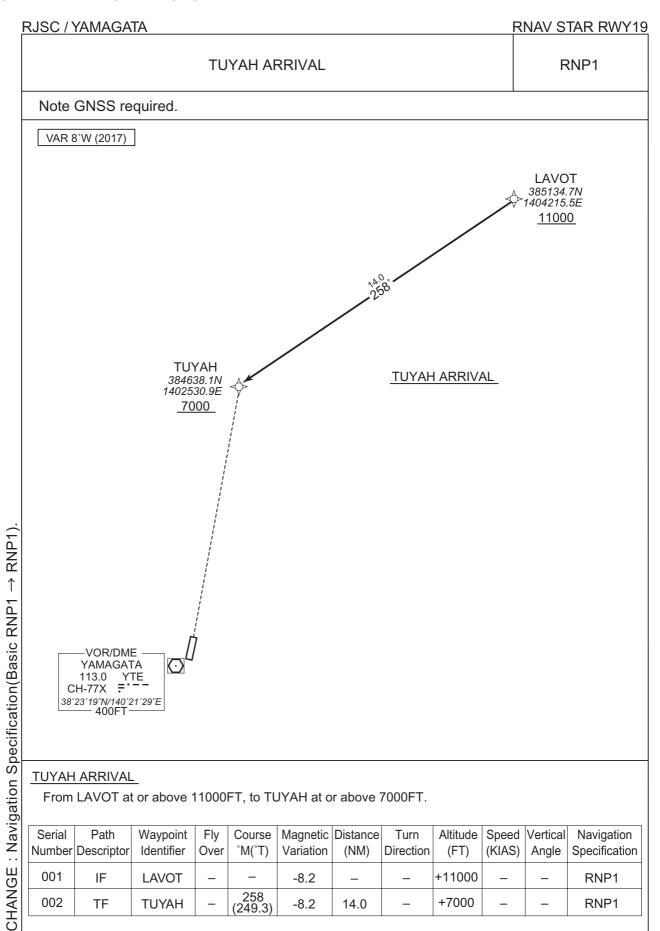
to MEDET at or above 7000FT.

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.

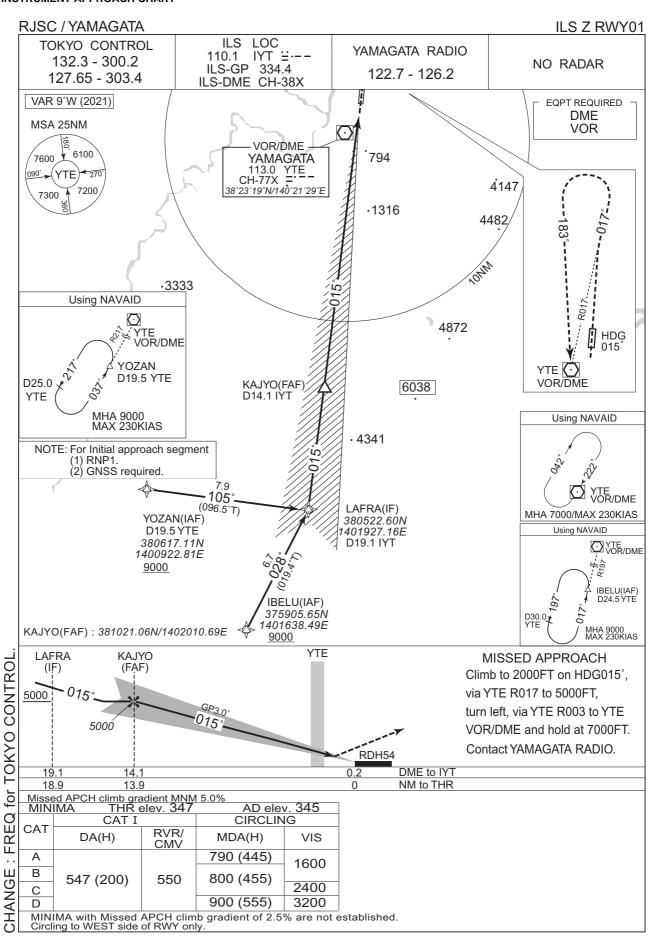
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	IBELU	1	-	-8.2	-	-	+9000	-	-	RNP1
002	TF	MOGMI	1	002 (353.7)	-8.2	29.3	ı	-	1	-	RNP1
003	TF	MEDET	-	015 (006.5)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

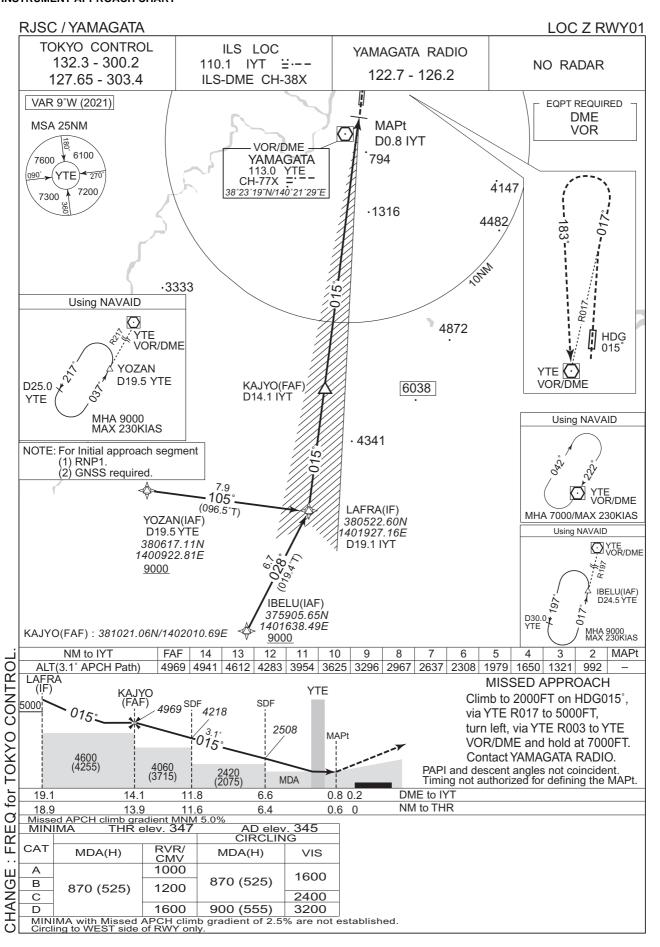


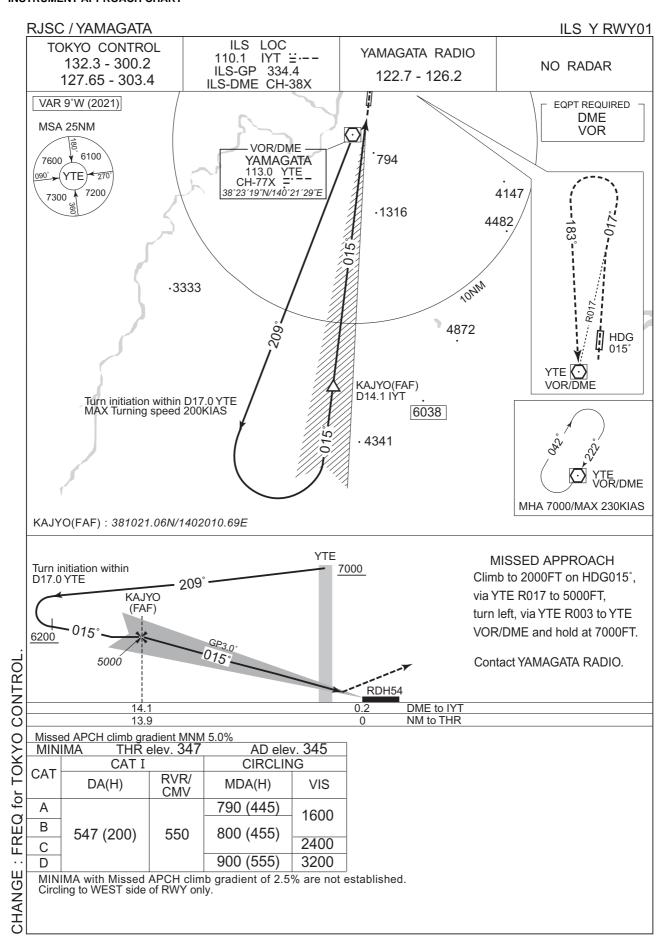
TUYAH ARRIVAL

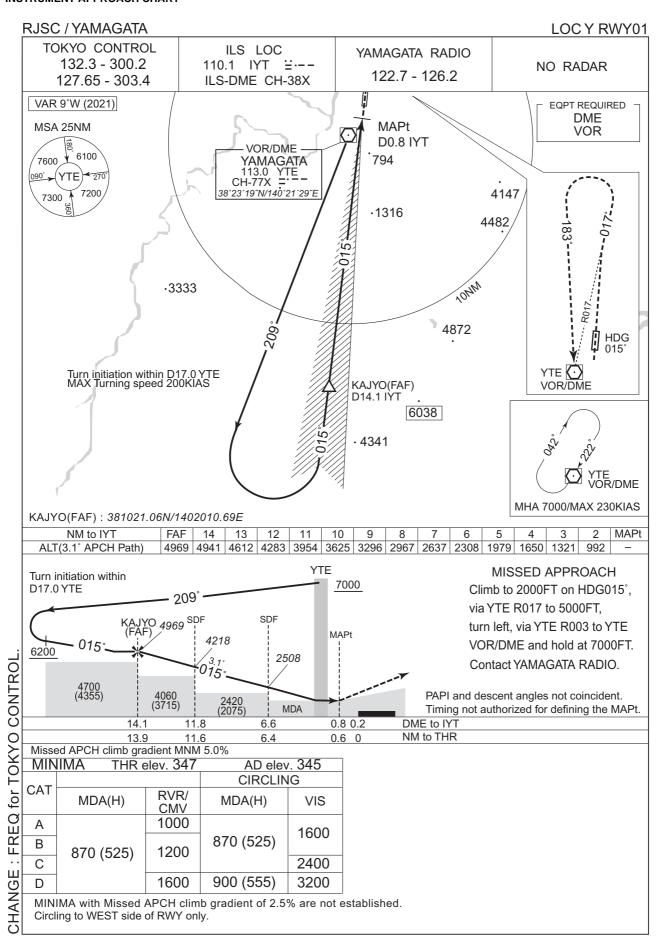
From LAVOT at or above 11000FT, to TUYAH at or above 7000FT.

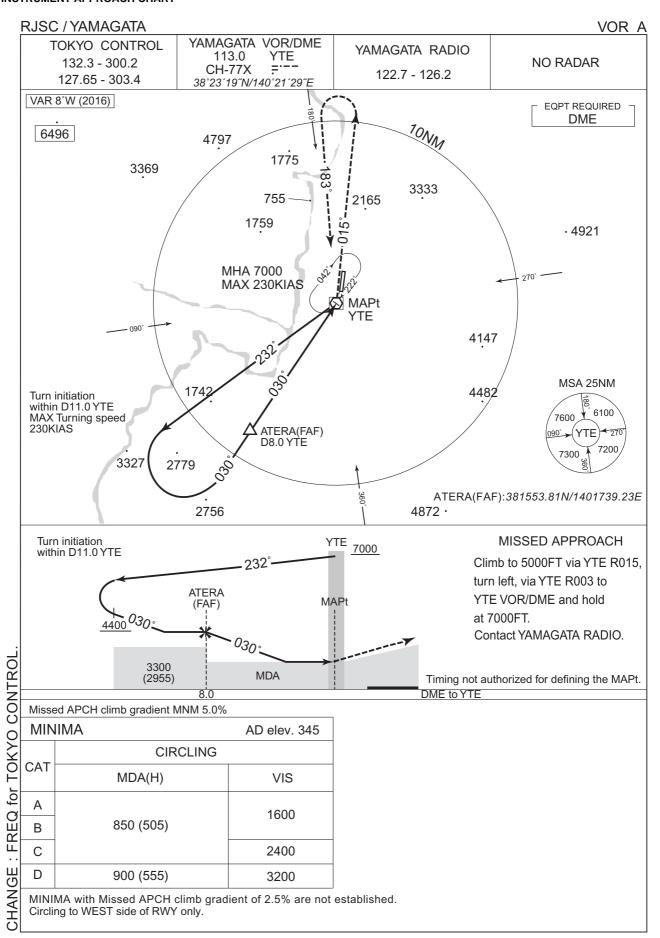
001 IF LAVOT8.2 - +11000	Numbor			Fly	Course	Iviagnetic	Distance	Turn	Aititude	Speed	verticai	Navigation
. 2.001	Highline	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
	001	IF	LAVOT	_	_	-8.2	_	-	+11000	_	-	RNP1
$ \left \begin{array}{c c c c c c c c c c c c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

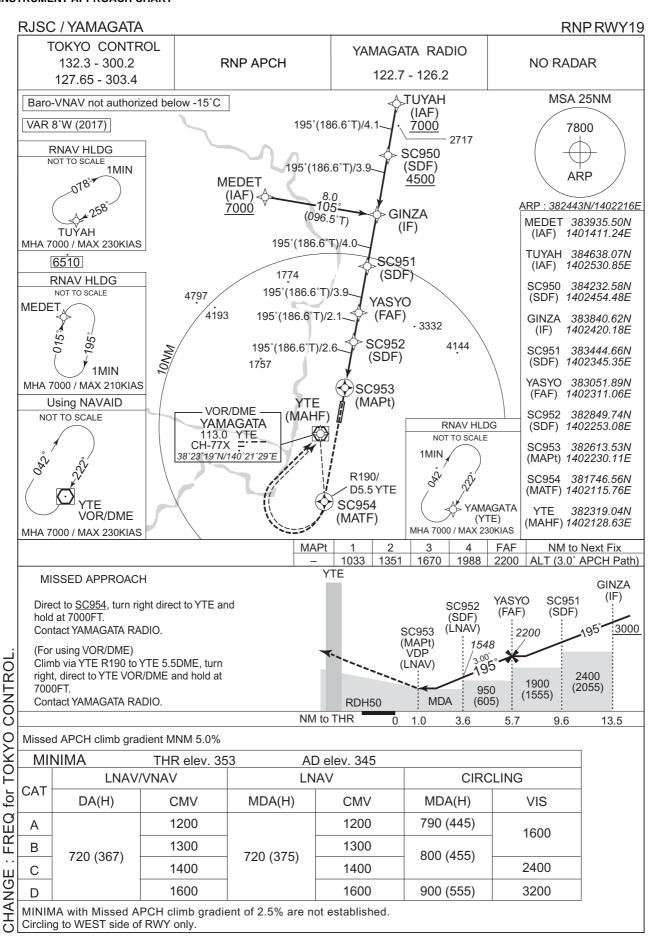


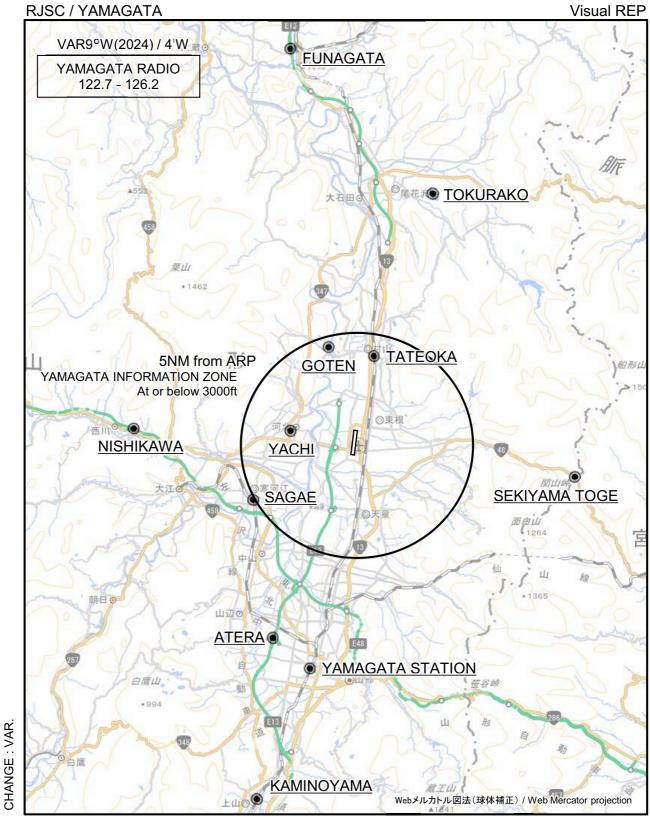












※図中に標高を示す数字がある場合、単位はメートル(m)である。 The unit of measurement used to express elevation is meter(m).

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

