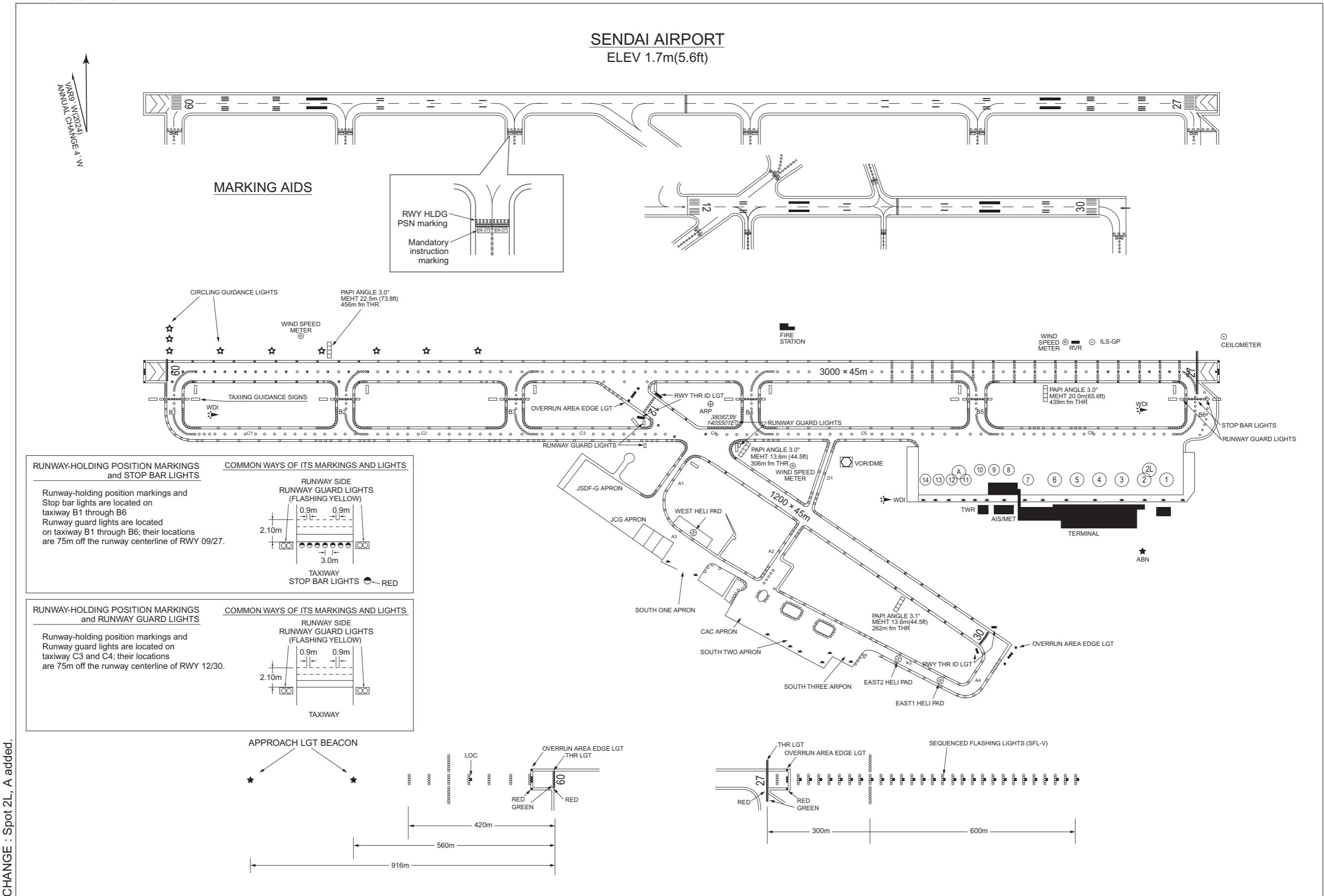
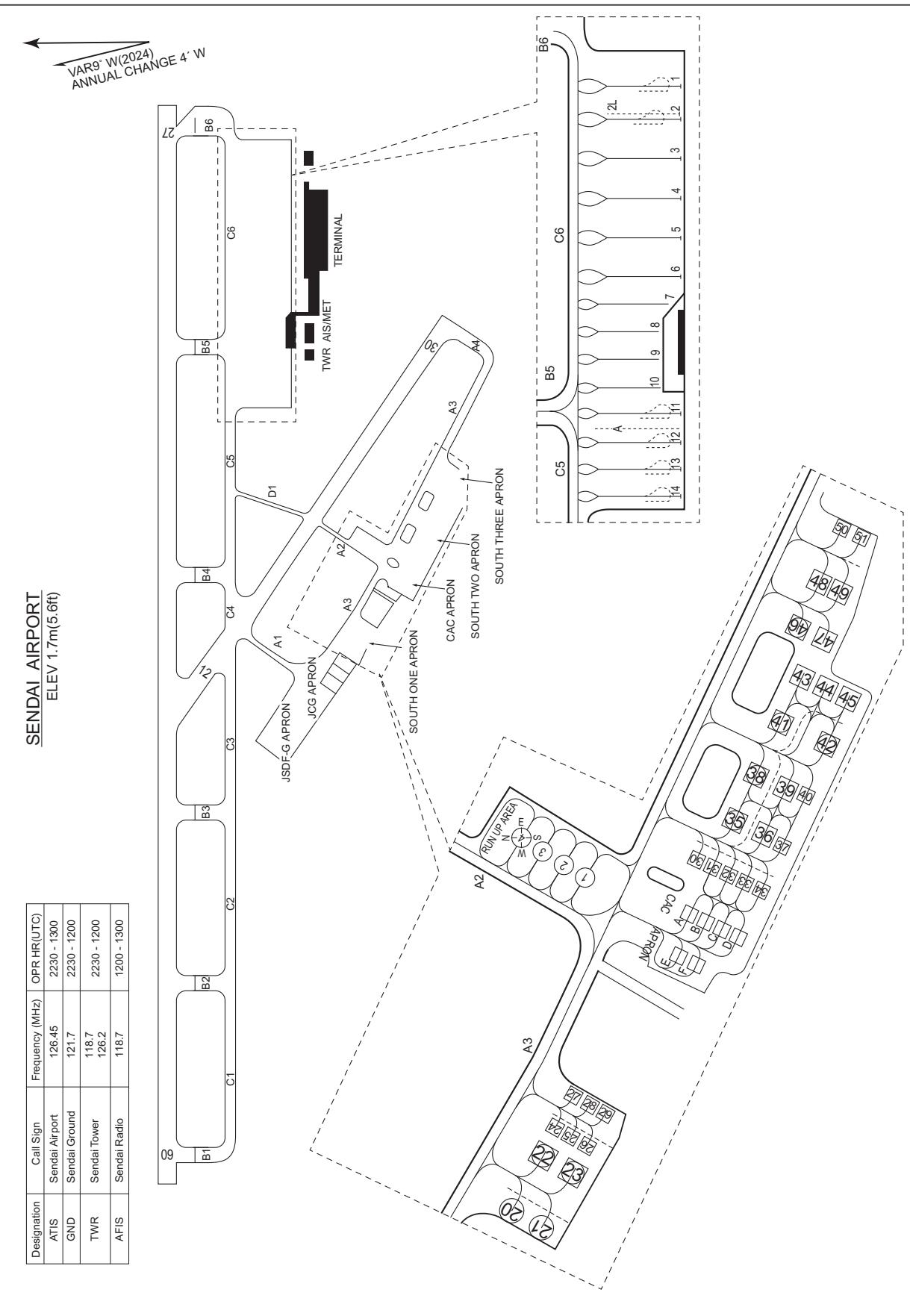


AERODROME CHART



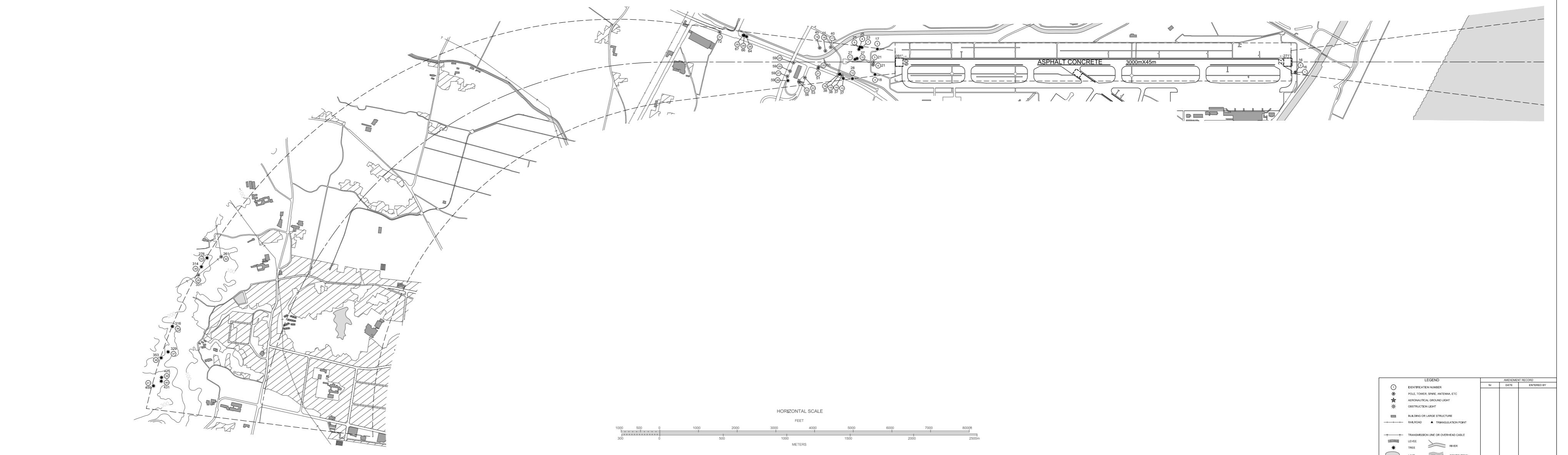
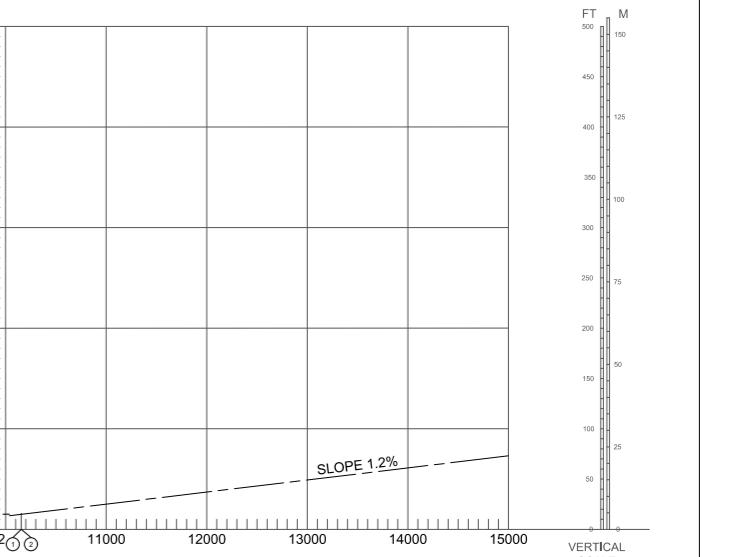
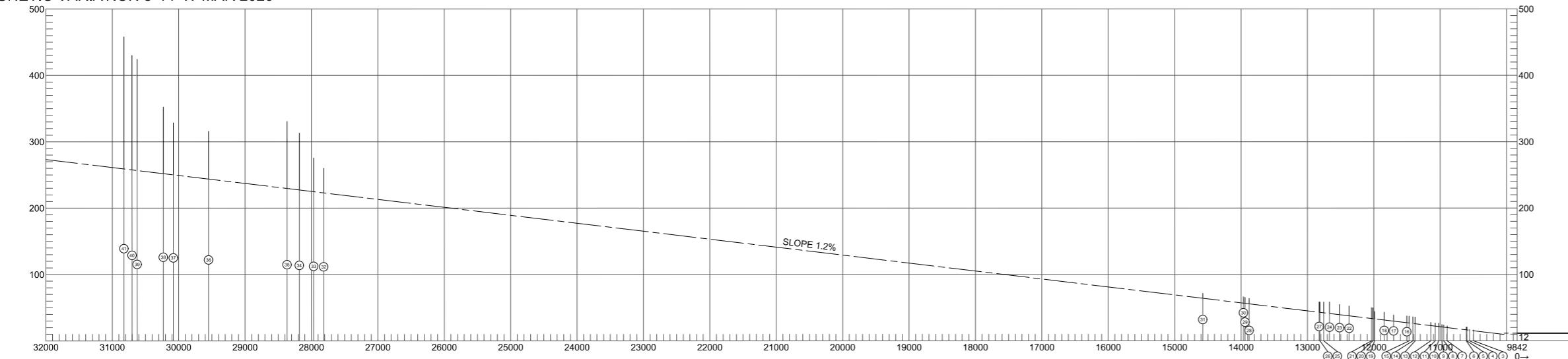
CHANGE : Spot 2L, A added.



AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8°14' W-MAR 2020



AERODROME OBSTACLE CHART-ICAO

TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



CHANGE:Update

STANDARD DEPARTURE CHART-INSTRUMENT

RJSS / SENDAI

SID

IWAKI EIGHT DEPARTURE

RWY 09 : Climb RWY HDG to SDE 3.4DME (2.8NM FM DER), turn right to intercept and proceed...

RWY 12 : Climb ...

RWY 27 : Climb RWY HDG to 500FT, turn left HDG 090° to intercept and proceed...

RWY 30 : Climb RWY HDG to 500FT, turn left HDG 090° to intercept and proceed...
...via SDE R120, via IXE R024 to IXE VOR/DME.

Cross IXE R024/46.7DME at or above 11000FT, cross IXE R024/28.0DME at or above FL150, cross IXE VOR/DME at assigned altitude.

Note RWY 09 : 5.0% climb gradient required up to 500FT.

OBST ALT 62FT located at 0.2NM 102° FM end of RWY09.

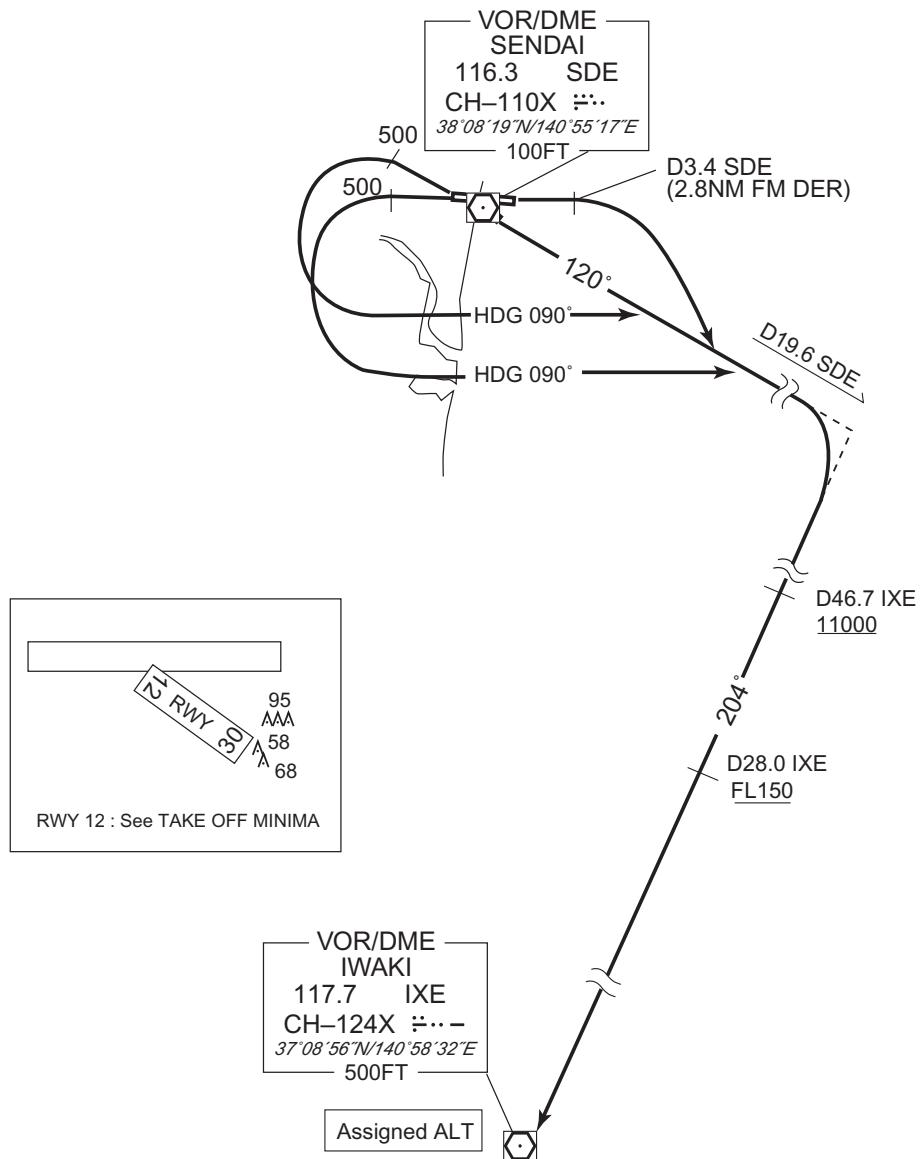
RWY 27 : 5.0% climb gradient required up to 1000FT.

OBST ALT 919FT located at 4.1NM 269° FM end of RWY27.

RWY 30 : 5.0% climb gradient required up to 1200FT.

OBST ALT 1181FT located at 5.3NM 283° FM end of RWY30.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART-INSTRUMENT

RJSS / SENDAI

SID

SENDAI REVERSAL SIX DEPARTURE

RWY 09 : Climb RWY HDG to SDE 3.4DME (2.8NM fm DER), turn right to intercept and proceed...

RWY 12 : Climb ...

RWY 27 : Climb RWY HDG to 500FT, turn left HDG 090° to intercept and proceed...

RWY 30 : Climb RWY HDG to 500FT, turn left HDG 090° to intercept and proceed...
...via SDE R120 to 10.0DME, turn right, direct to SDE VOR/DME.

Cross SDE VOR/DME at or above 7000FT(*)).

* In case of proceeding to IXE VOR/DME : Cross SDE VOR/DME at or above 5000FT.

In case of proceeding to FKE VOR/DME : Cross SDE VOR/DME at or above 6000FT.

Note RWY 09 : 5.0% climb gradient required up to 500FT.

OBST ALT 62FT located at 0.2NM 102° FM end of RWY09.

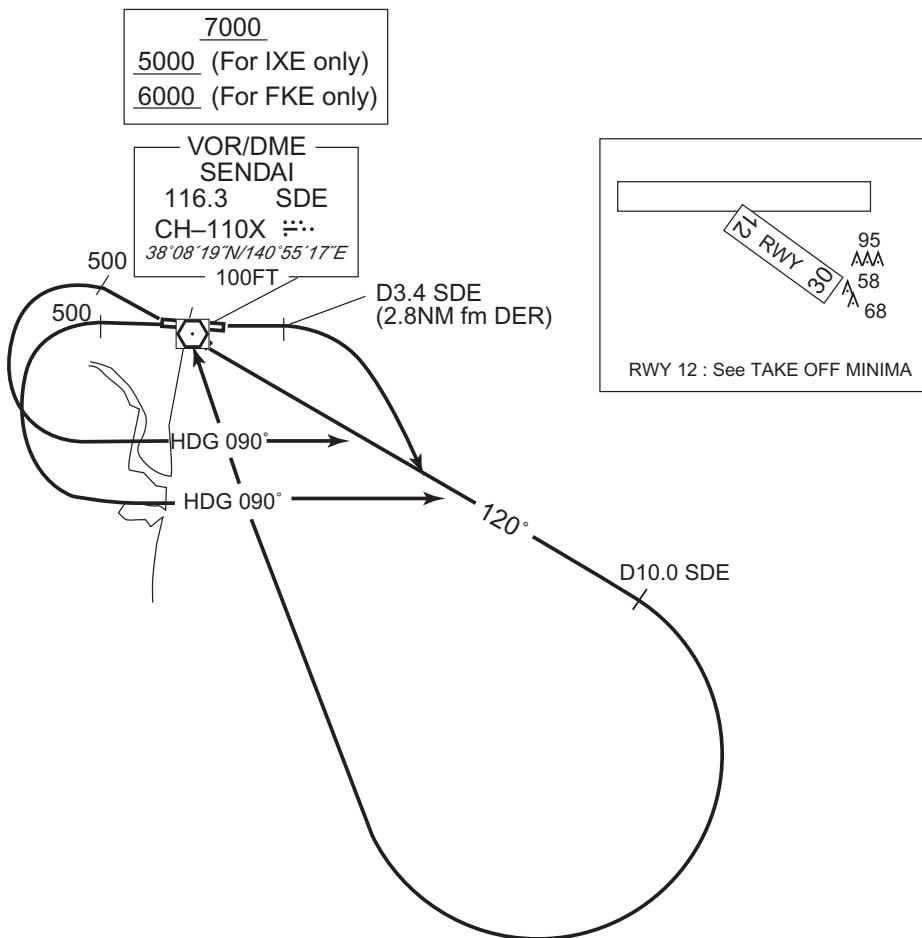
RWY 27 : 5.0% climb gradient required up to 1000FT.

OBST ALT 919FT located at 4.1NM 269° FM end of RWY27.

RWY 30 : 5.0% climb gradient required up to 1200FT.

OBST ALT 1181FT located at 5.3NM 283° FM end of RWY30.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI	RNAV SID and TRANSITION
	DERBY FOUR DEPARTURE YAMAGATA TRANSITION / NIIGATA TRANSITION / RIKYU NORTH TRANSITION / SASAP TRANSITION
RNP1	
Note GNSS required.	
CHANGE : Navigation Specification(Basic RNP1 → RNP1).	
	<p>DERBY FOUR DEPARTURE</p> <p>RWY09 : Climb on HDG091° at or above 500FT, direct to <u>SS901</u>, turn right direct to ANEMO, to EBOSI, to DERBY at or above 9000FT.</p> <p>RWY27 : Climb on HDG271° at or above 500FT, direct to <u>SS701</u>, turn left direct to EBOSI, to DERBY at or above 9000FT.</p> <p>NOTE RWY09: 5.0% climb gradient required up to 500FT. OBST ALT 62FT located at 0.2NM 103° FM end of RWY09.</p> <p>RWY27: 5.9% climb gradient required up to 1300FT. OBST ALT 1181FT located at 4.6NM 285° FM end of RWY27.</p> <p>YAMAGATA TRANSITION From DERBY at or above 9000FT, to YTE.</p> <p>NIIGATA TRANSITION From DERBY at or above 9000FT, to GTC.</p> <p>RIKYU NORTH TRANSITION From DERBY at or above 9000FT, to RIKYU.</p> <p>SASAP TRANSITION From DERBY at or above 9000FT, to SASAP.</p>

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

DERBY FOUR DEPARTURE

RWY09

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	-	-	091 (082.5)	-8.3	-	-	+500	-	-	RNP1
002	DF	SS901	Y	-	-8.3	-	-	-	-	-	RNP1
003	DF	ANEMO	-	-	-8.3	-	R	-	-	-	RNP1
004	TF	EBOSI	-	285 (276.4)	-8.3	17.6	-	-	-	-	RNP1
005	TF	DERBY	-	276 (268.1)	-8.3	7.7	-	+9000	-	-	RNP1

RWY27

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	-	-	271 (262.5)	-8.3	-	-	+500	-	-	RNP1
002	DF	SS701	Y	-	-8.3	-	-	-	-	-	RNP1
003	DF	EBOSI	-	-	-8.3	-	L	-	-	-	RNP1
004	TF	DERBY	-	276 (268.1)	-8.3	7.7	-	+9000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

YAMAGATA 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	DERBY	-	-	-8.3	-	-	+9000	-	-	RNP1
002	TF	YTE	-	356 (347.9)	-8.3	23.7	-	-	-	-	RNP1

NIIGATA 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	DERBY	-	-	-8.3	-	-	+9000	-	-	RNP1
002	TF	GTC	-	276 (268.0)	-8.3	63.9	-	-	-	-	RNP1

RIKYU NORTH 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	DERBY	-	-	-8.3	-	-	+9000	-	-	RNP1
002	TF	RIKYU	-	189 (180.5)	-8.3	26.8	-	-	-	-	RNP1

SASAP 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	DERBY	-	-	-8.3	-	-	+9000	-	-	RNP1
002	TF	SASAP	-	188 (179.4)	-8.3	49.3	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI	RNAV SID and TRANSITION
STEED FOUR DEPARTURE / RIKYU TRANSITION	RNP1
Note GNSS required.	
VAR 8°W	
<p>STEED FOUR DEPARTURE</p> <p>RIKYU TRANSITION</p> <p>STEED 374336.2N 1405932.8E</p> <p>MUSBI 375621.5N 1405947.8E</p> <p>BUBLE 380333.7N 1405956.2E</p> <p>SS901 380854.6N 1405935.6E</p> <p>VOR/DME SENDAI 116.3 CH-110X 38°08'19"N/140°55'17"E 100FT</p>	
STEED FOUR DEPARTURE <p>RWY09 : Climb on HDG091° at or above 500FT, direct to <u>SS901</u>, turn right direct to MUSBI at or above 5000FT, to STEED.</p> <p>RWY27 : Climb on HDG271° at or above 500FT, turn left direct to BUBLE, to MUSBI at or above 5000FT, to STEED.</p> <p>NOTE RWY09: 5.0% climb gradient required up to 500FT. OBST ALT 62FT located at 0.2NM 103° FM end of RWY09.</p> <p>RWY27: 5.0% climb gradient required up to 1000FT. OBST ALT 919FT located at 4.1NM 269° FM end of RWY27.</p>	
RIKYU TRANSITION From STEED, to RIKYU.	

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

STEED FOUR DEPARTURE

RWY09

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	-	-	091 (082.5)	-8.3	-	-	+500	-	-	RNP1
002	DF	SS901	Y	-	-8.3	-	-	-	-	-	RNP1
003	DF	MUSBI	-	-	-8.3	-	R	+5000	-	-	RNP1
004	TF	STEED	-	189 (180.9)	-8.3	12.8	-	-	-	-	RNP1

RWY27

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	-	-	271 (262.5)	-8.3	-	-	+500	-	-	RNP1
002	DF	BUBLE	-	-	-8.3	-	L	-	-	-	RNP1
003	TF	MUSBI	-	189 (180.9)	-8.3	7.2	-	+5000	-	-	RNP1
004	TF	STEED	-	189 (180.9)	-8.3	12.8	-	-	-	-	RNP1

RIKYU 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	STEED	-	-	-8.3	-	-	-	-	-	RNP1
002	TF	RIKYU	-	257 (248.4)	-8.3	27.3	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

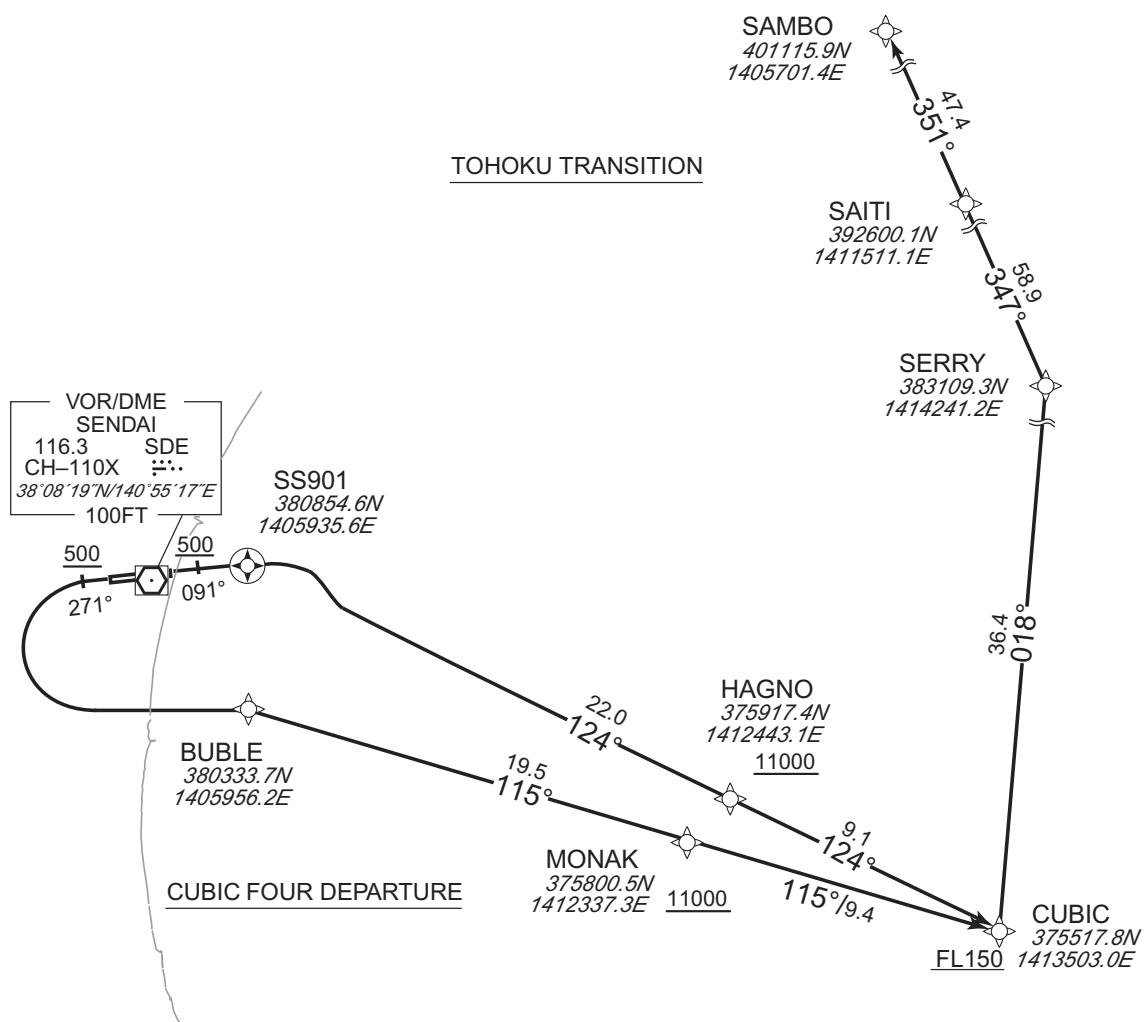
RNAV SID and TRANSITION

CUBIC FOUR DEPARTURE / TOHOKU TRANSITION

RNP1

Note GNSS required.

VAR 8°W

CUBIC FOUR DEPARTURE

RWY09 : Climb on HDG091° at or above 500FT, direct to SS901, to HAGNO at or above 11000FT, to CUBIC at or above FL150.

RWY27 : Climb on HDG271° at or above 500FT, turn left direct to BUBLE, to MONAK at or above 11000FT, to CUBIC at or above FL150.

NOTE RWY09: 5.0% climb gradient required up to 500FT.

OBST ALT 62FT located at 0.2NM 103° FM end of RWY09.

RWY27: 5.0% climb gradient required up to 1000FT.

OBST ALT 919FT located at 4.1NM 269° FM end of RWY27.

TOHOKU TRANSITION

From CUBIC at or above FL150, to SERRY, to SAITI, to SAMBO.

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

CUBIC FOUR DEPARTURE

RWY09

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	-	-	091 (082.5)	-8.3	-	-	+500	-	-	RNP1
002	DF	SS901	Y	-	-8.3	-	-	-	-	-	RNP1
003	TF	HAGNO	-	124 (115.8)	-8.3	22.0	-	+11000	-	-	RNP1
004	TF	CUBIC	-	124 (116.1)	-8.3	9.1	-	+FL150	-	-	RNP1

RWY27

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	-	-	271 (262.5)	-8.3	-	-	+500	-	-	RNP1
002	DF	BUBLE	-	-	-8.3	-	L	-	-	-	RNP1
003	TF	MONAK	-	115 (106.4)	-8.3	19.5	-	+11000	-	-	RNP1
004	TF	CUBIC	-	115 (106.7)	-8.3	9.4	-	+FL150	-	-	RNP1

TOHOKU 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	CUBIC	-	-	-8.3	-	-	+FL150	-	-	RNP1
002	TF	SERRY	-	018 (009.5)	-8.3	36.4	-	-	-	-	RNP1
003	TF	SAITI	-	347 (338.8)	-8.3	58.9	-	-	-	-	RNP1
004	TF	SAMBO	-	351 (343.0)	-8.3	47.4	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT

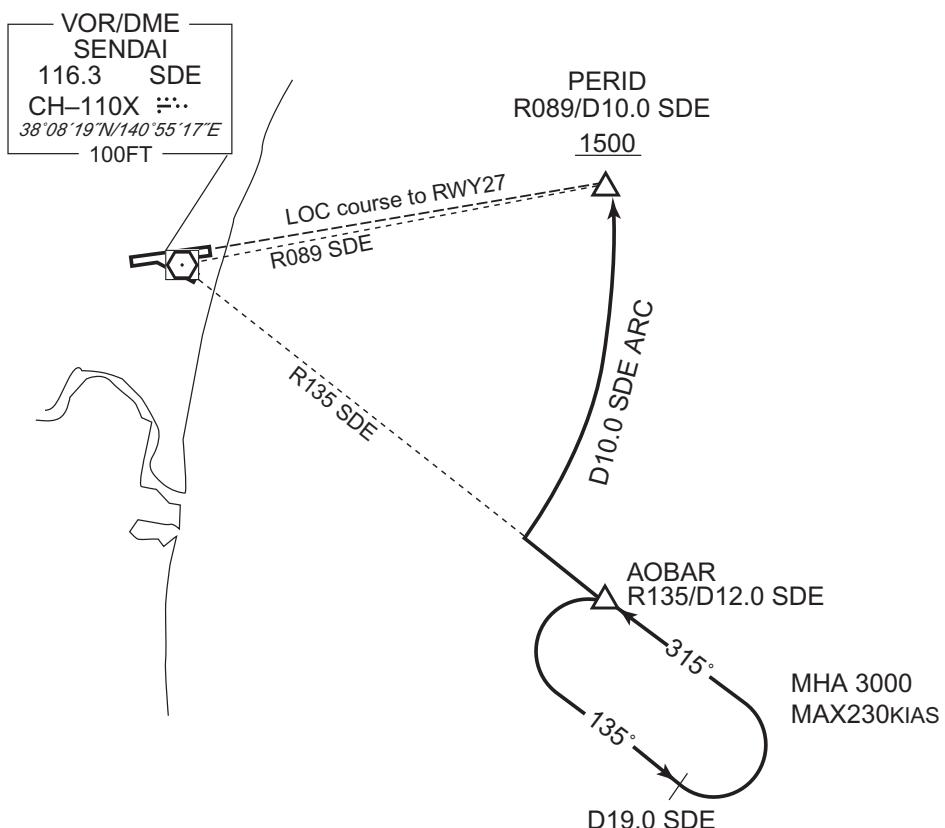
RJSS / SENDAI

STAR

PERID ARRIVAL

From over AOBAR, via SDE R135 to intercept and proceed via SDE 10.0DME counterclockwise ARC to PERID.

Cross PERID at or above 1500FT.



STANDARD ARRIVAL CHART - INSTRUMENT

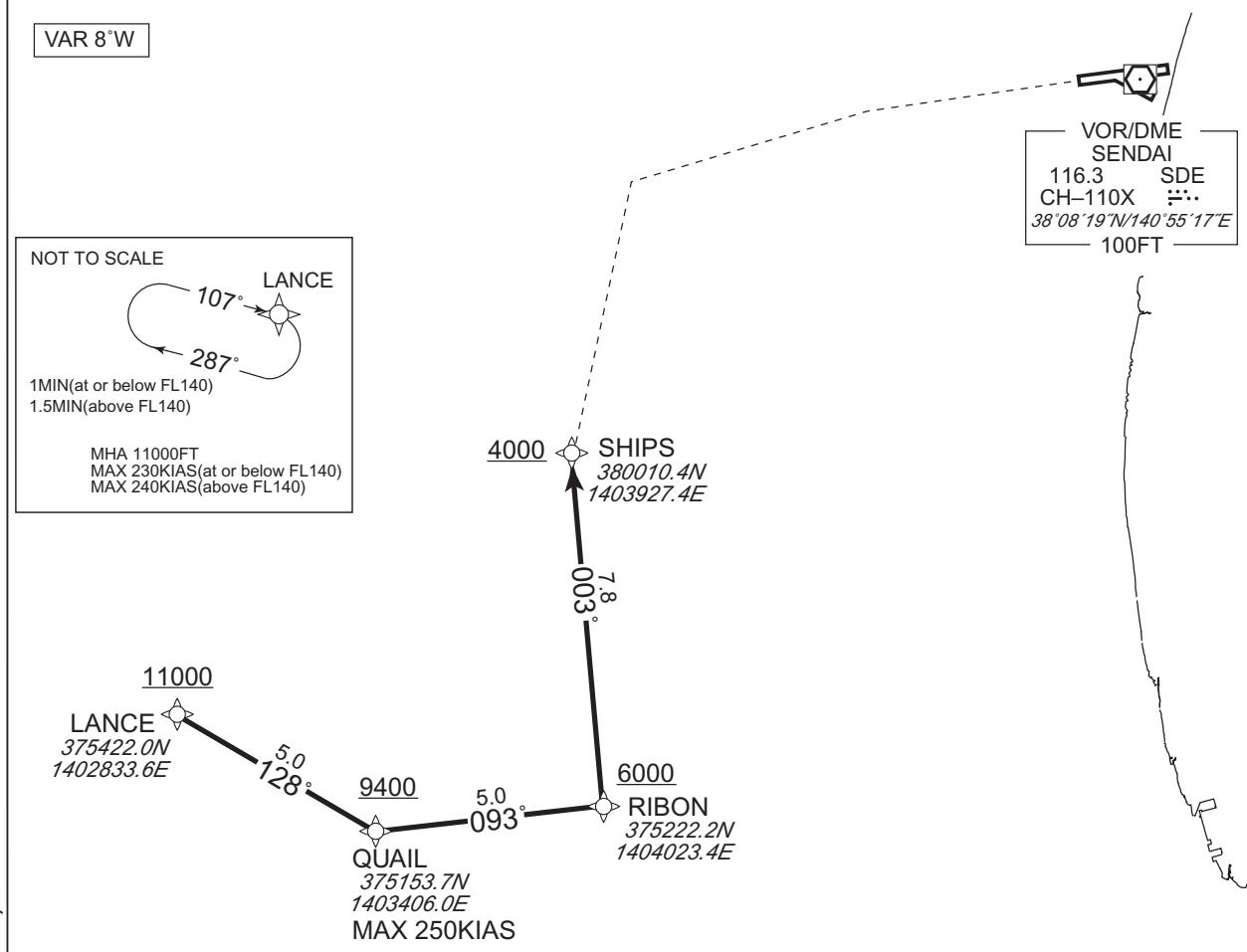
RJSS / SENDAI

RNAV STAR RWY09

LANCE WEST ARRIVAL

RNP1

Note GNSS required.



From LANCE at or above 11000FT, to QUAIL, at or above 9400FT, to RIBON at or above 6000FT, to SHIPS at or above 4000FT.

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	LANCE	—	—	-8.3	—	—	+11000	—	—	RNP1
002	TF	QUAIL	—	128 (119.4)	-8.3	5.0	—	+9400	-250	—	RNP1
003	TF	RIBON	—	093 (084.5)	-8.3	5.0	—	+6000	—	—	RNP1
004	TF	SHIPS	—	003 (354.6)	-8.3	7.8	—	+4000	—	—	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	LANCE	107 (098.3)	-8.3	1.0(-14000) 1.5(+14001)	R	11000	—	-230(-14000) -240(+14001)	RNP1

STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT

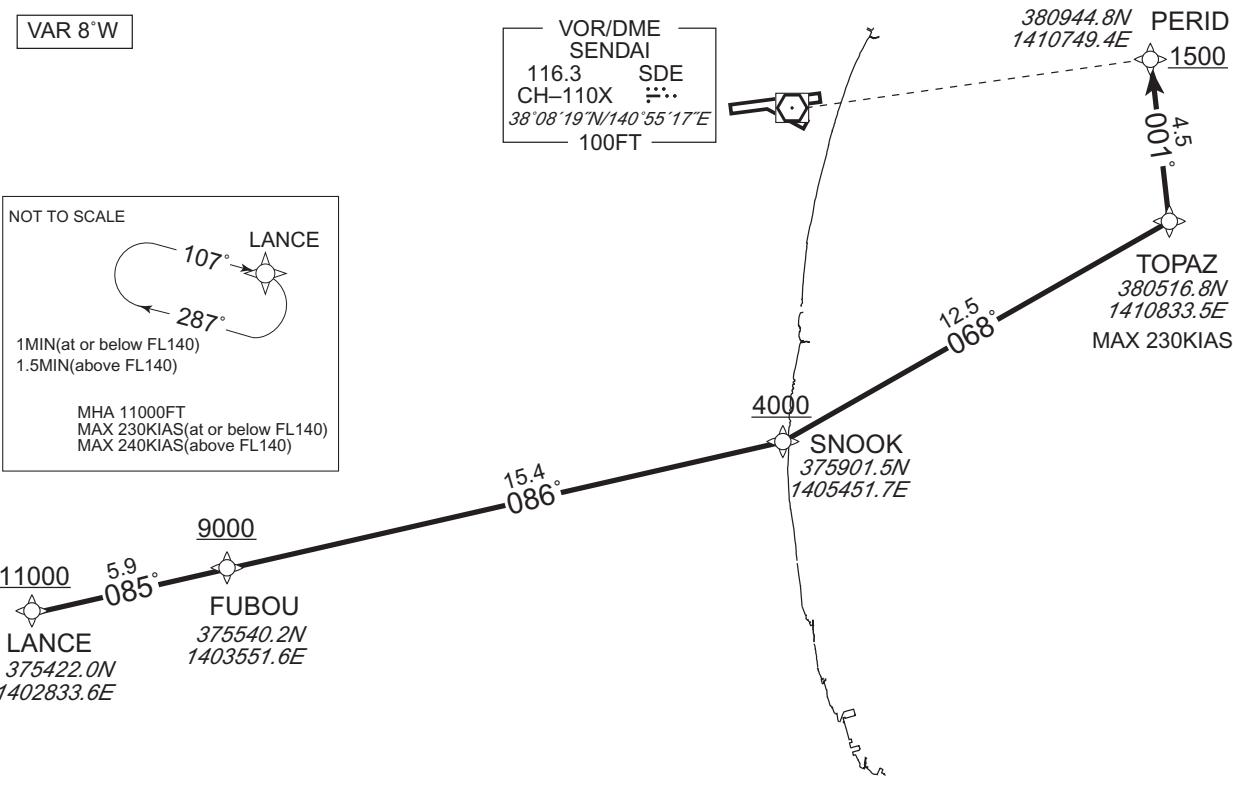
RJSS / SENDAI

RNAV STAR RWY27

LANCE EAST ALFA ARRIVAL

RNP1

Note GNSS required.



From LANCE at or above 11000FT, to FUBOU at or above 9000FT, to SNOOK at or above 4000FT, to TOPAZ, to PERID at or above 1500FT.

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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	LANCE	—	—	-8.3	—	—	+11000	—	—	RNP1
002	TF	FUBOU	—	085 (077.2)	-8.3	5.9	—	+9000	—	—	RNP1
003	TF	SNOOK	—	086 (077.3)	-8.3	15.4	—	+4000	—	—	RNP1
004	TF	TOPAZ	—	068 (059.8)	-8.3	12.5	—	—	-230	—	RNP1
005	TF	PERID	—	001 (352.6)	-8.3	4.5	—	+1500	—	—	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	LANCE	107 (098.3)	-8.3	1.0(-14000) 1.5(+14001)	R	11000	—	-230(-14000) -240(+14001)	RNP1

STANDARD ARRIVAL CHART-INSTRUMENT

RJSS / SENDAI	LANCE EAST BRAVO ARRIVAL	RNAV STAR RWY27 RNP1																																																																				
Note GNSS required.																																																																						
VAR 8°W																																																																						
CHANGE : Navigation Specification(Basic RNP1 → RNP1).	<p>From LANCE at or above 11000FT, to FUBOU at or above 9000FT, to SNOOK at or above 4000FT.</p> <table border="1"> <thead> <tr> <th>Serial Number</th><th>Path Descriptor</th><th>Waypoint Identifier</th><th>Fly Over</th><th>Course °M(°T)</th><th>Magnetic Variation</th><th>Distance (NM)</th><th>Turn Direction</th><th>Altitude (FT)</th><th>Speed (KIAS)</th><th>Vertical Angle</th><th>Navigation Specification</th></tr> </thead> <tbody> <tr> <td>001</td><td>IF</td><td>LANCE</td><td>—</td><td>—</td><td>-8.3</td><td>—</td><td>—</td><td>+11000</td><td>—</td><td>—</td><td>RNP1</td></tr> <tr> <td>002</td><td>TF</td><td>FUBOU</td><td>—</td><td>085 (077.2)</td><td>-8.3</td><td>5.9</td><td>—</td><td>+9000</td><td>—</td><td>—</td><td>RNP1</td></tr> <tr> <td>003</td><td>TF</td><td>SNOOK</td><td>—</td><td>086 (077.3)</td><td>-8.3</td><td>15.4</td><td>—</td><td>+4000</td><td>—</td><td>—</td><td>RNP1</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Path</th><th>Waypoint Identifier</th><th>Inbound Course °M(°T)</th><th>Magnetic Variation</th><th>Outbound Time (MIN)</th><th>Turn Direction</th><th>Minimum Altitude (FT)</th><th>Maximum Altitude (FT)</th><th>Speed (KIAS)</th><th>Navigation Specification</th></tr> </thead> <tbody> <tr> <td>Hold</td><td>LANCE</td><td>107 (098.3)</td><td>-8.3</td><td>1.0(-14000) 1.5(+14001)</td><td>R</td><td>11000</td><td>—</td><td>-230(-14000) -240(+14001)</td><td>RNP1</td></tr> </tbody> </table>		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	LANCE	—	—	-8.3	—	—	+11000	—	—	RNP1	002	TF	FUBOU	—	085 (077.2)	-8.3	5.9	—	+9000	—	—	RNP1	003	TF	SNOOK	—	086 (077.3)	-8.3	15.4	—	+4000	—	—	RNP1	Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification	Hold	LANCE	107 (098.3)	-8.3	1.0(-14000) 1.5(+14001)	R	11000	—	-230(-14000) -240(+14001)	RNP1
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	LANCE	—	—	-8.3	—	—	+11000	—	—	RNP1																																																											
002	TF	FUBOU	—	085 (077.2)	-8.3	5.9	—	+9000	—	—	RNP1																																																											
003	TF	SNOOK	—	086 (077.3)	-8.3	15.4	—	+4000	—	—	RNP1																																																											
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification																																																													
Hold	LANCE	107 (098.3)	-8.3	1.0(-14000) 1.5(+14001)	R	11000	—	-230(-14000) -240(+14001)	RNP1																																																													

STANDARD ARRIVAL CHART-INSTRUMENT

RJSS / SENDAI

RNAV STAR RWY27

OWLET EAST ALFA ARRIVAL

RNP1

Note GNSS required.

VAR 8°W



VOR/DME
SENDAI
116.3 SDE
CH-110X 38°08'19"N 140°55'17"E
100FT

1500 PERID
380944.8N
1410749.4E

TOPAZ
380516.8N
1410833.5E
MAX 230KIAS

4000
5000
SNOOK
375901.5N
1405451.7E

4.4° 068°
ORKID
375648.0N
1405000.5E

5.8° 068°

9000

RIBON
375222.2N
1404023.4E

11.6° 067°

13000
OWLET
374623.0N
1402747.1E

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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	OWLET	—	—	-8.3	—	—	+13000	—	—	RNP1
002	TF	RIBON	—	067 (058.9)	-8.3	11.6	—	+9000	—	—	RNP1
003	TF	ORKID	—	068 (059.7)	-8.3	8.8	—	+5000	—	—	RNP1
004	TF	SNOOK	—	068 (059.8)	-8.3	4.4	—	+4000	—	—	RNP1
005	TF	TOPAZ	—	068 (059.8)	-8.3	12.5	—	—	-230	—	RNP1
006	TF	PERID	—	001 (352.6)	-8.3	4.5	—	+1500	—	—	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	OWLET	080 (071.7)	-8.3	1.0(-14000) 1.5(+14001)	R	13000	—	-230(-14000) -240(+14001)	RNP1

STANDARD ARRIVAL CHART-INSTRUMENT



INTENTIONALLY LEFT BLANK

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

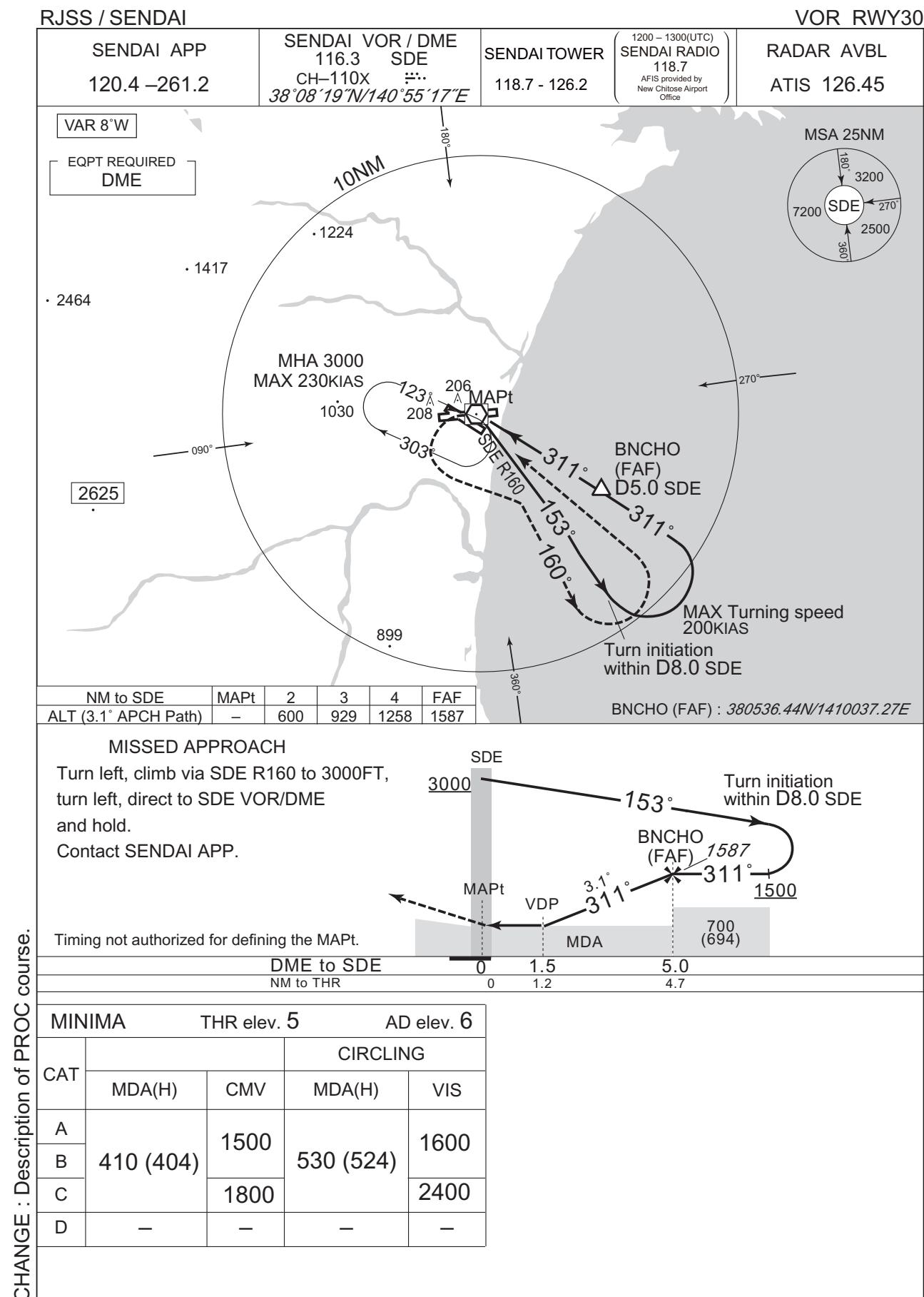
RJSS / SENDAI



INSTRUMENT APPROACH CHART



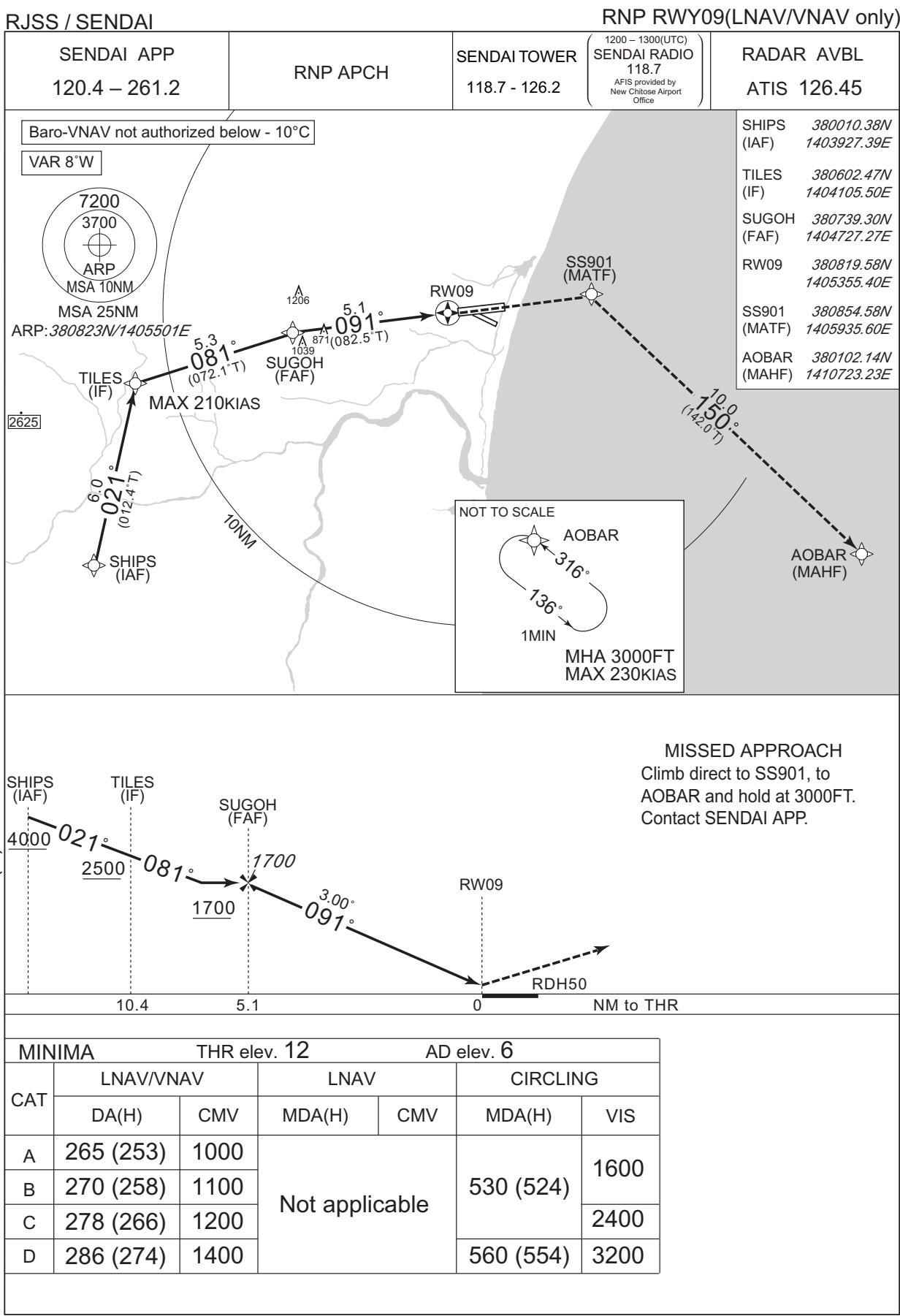
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

CHANGE : PROC renamed. Course FM TILES to SUGOH. MATF abolished. Missed APCH PROC. MINIMA for LNAV/VNAV, LNAV.

HLDG for NAVAID deleted. OCA(H) deleted.



INSTRUMENT APPROACH CHART

RJSS / SENDAI

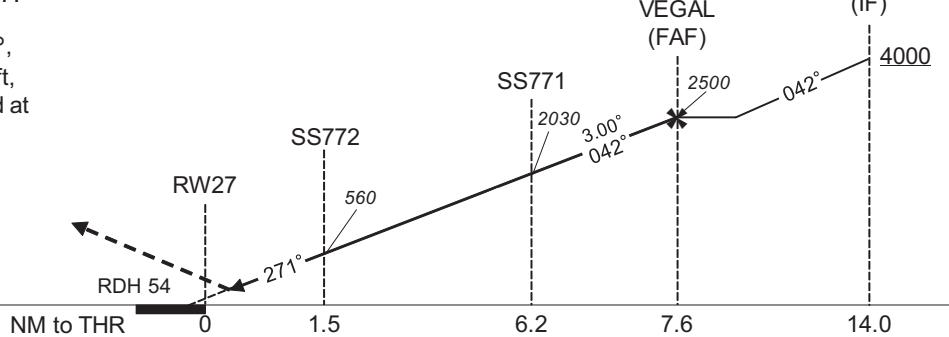
RNP RWY27(AR)



MISSED APPROACH

From RW27 on track 271°, at or above 600FT turn left, direct to SNOOK and hold at 4000FT.

Contact SENDAI APP.



CHANGE : Description of VAR.

	MINIMA	THR elev. 15	AD elev. 6
CAT	RNP 0.30		
	DA(H)	RVR/CMV	
A	-	-	
B			
C	315(300)	1000	
D		1400	

Authorization Required

* Missed APCH climb gradient MNM 4.0%

INSTRUMENT APPROACH CHART

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RNP RWY27(AR)

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	SNOOK	-	-	-8.3	-	-	+4000	-	-	-
002	TF	VEGAL	-	042 (033.3)	-8.3	6.4	-	2500	-	-	1.0
003	TF	SS771	-	042 (033.4)	-8.3	1.5	-	2030	-165	-3.00	0.3
004	RF Center: SSRF1 r=2.02NM	SS772	-	-	-8.3	4.6	L	560	-	-3.00	0.3
005	TF	RW27	Y	271 (262.6)	-8.3	1.5	-	69	-	-3.00/54	0.3
006	FA	-	-	271 (262.6)	-8.3	-	-	+600	-	-	1.0
007	DF	SNOOK	-	-	-8.3	-	L	4000	-	-	1.0

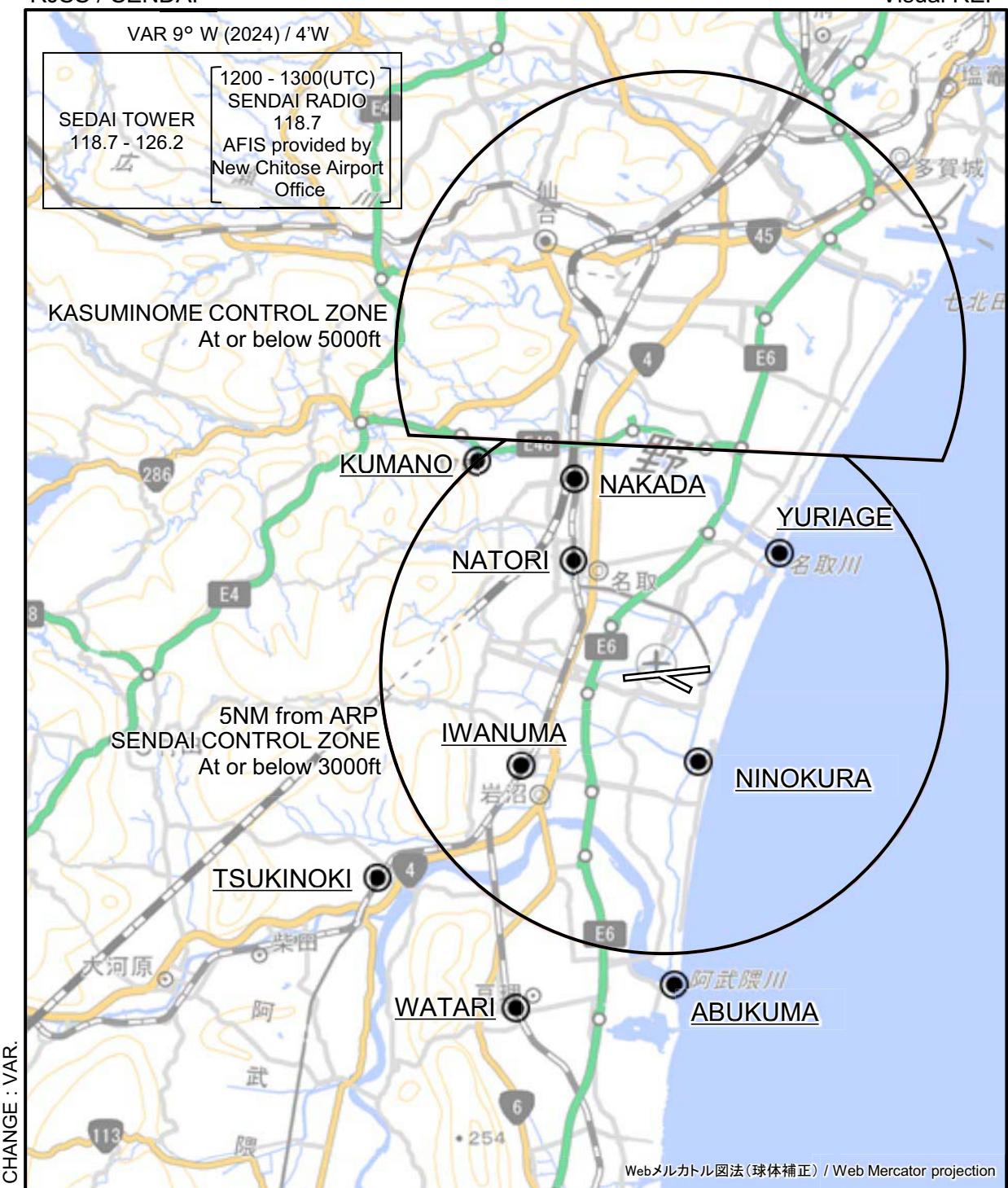
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	SNOOK	080 (071.9)	-8.3	1.0 (-14000)	R	4000	FL140	-210 (-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
SNOOK	375901.53N / 1405451.66E	SSRF1	380643.74N / 1405813.69E
VEGAL	380422.75N / 1405919.92E		
SS771	380536.78N / 1410021.86E		
SS772	380844.14N / 1405753.87E		
RW27	380832.18N / 1405557.56E		

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Visual REP



※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).

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Visual REP

Call sign	BRG / DIST from ARP	Remarks
熊野 Kumano	319°T / 5.0NM	熊野神社 Kumano Shrine
中田 Nakada	336°T / 3.8NM	JR南仙台駅 Station
閑上 Yuriage	043°T / 2.9NM	名取川河口 River-mouth of the Natori
名取 Natori	321°T / 2.6NM	JR名取駅 Station
二の倉 Ninokura	160°T / 1.7NM	県南浄化センター Sewage disposal center
岩沼 Iwanuma	236°T / 3.0NM	JR岩沼駅 Station
楓木 Tsukinoki	234°T / 6.2NM	JR楓木駅 Station
阿武隈 Abukuma	178°T / 5.6NM	阿武隈川河口 River-mouth of the Abukuma
亘理 Watari	204°T / 6.5NM	JR亘理駅 Station

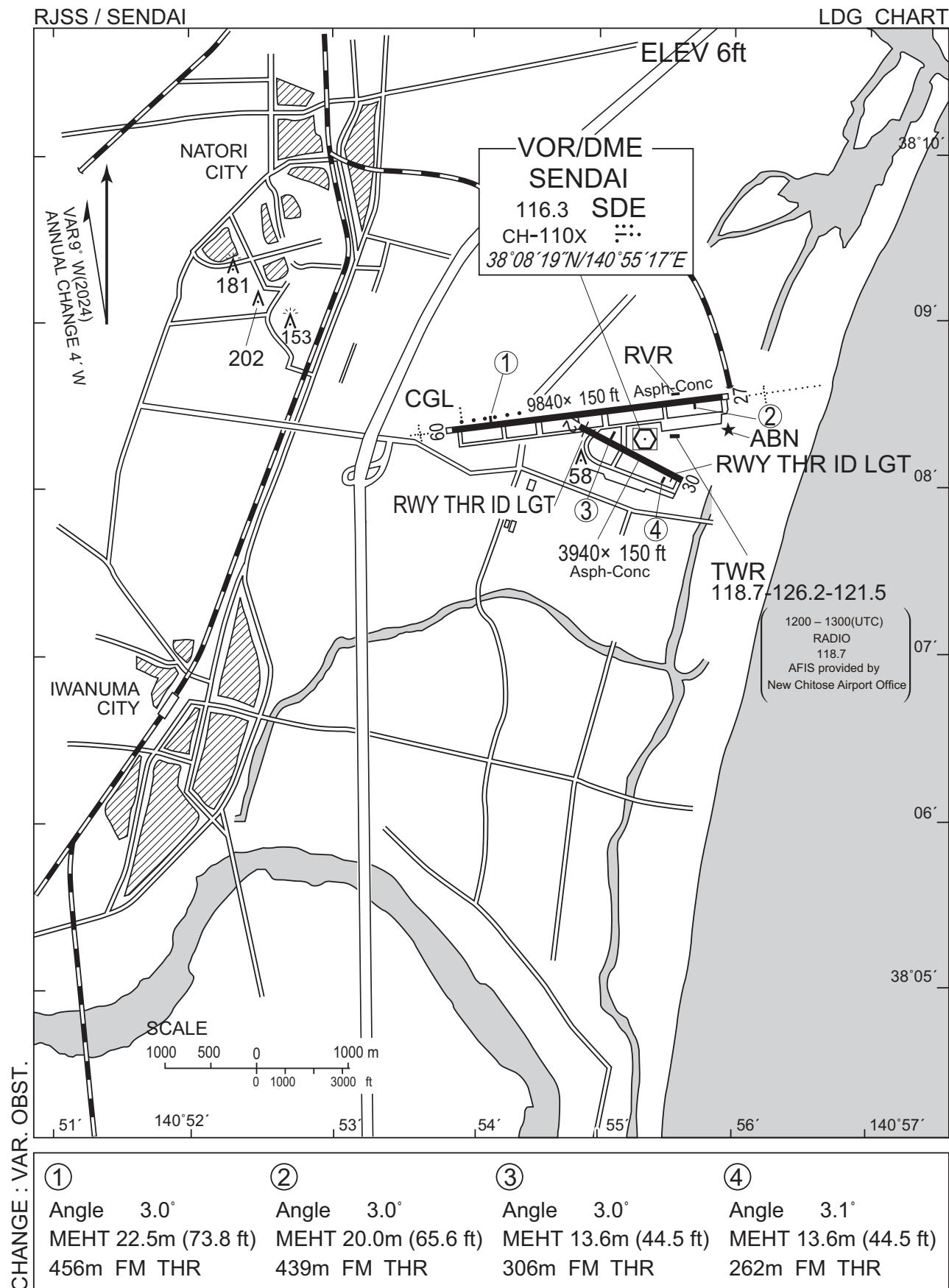
注：有視界飛行方式により霞目管制圏から仙台管制圏へ進入しようとする航空機は、仙台管制圏に入圏する前に仙台タワーまたは仙台レディオへ通報すること。

NOTE : When any VFR flight enters SENDAI CTR directly via KASUMINOME CTR, the pilot shall report to "SENDAI TWR" or "SENDAI RADIO" before entering SENDAI CTR.

注：VFR機とIFR機の航行の安全のため、仙台進入管制区のうち、仙台空港から15NM以内の地域をVFRで航行する場合は、仙台TCAと積極的にコンタクトすること。

NOTE : In order to ensure the safety operations for both VFR and IFR aircraft, VFR aircraft should contact SENDAI TCA positively when the flight includes SENDAI Approach Control Area, within 15 miles from Sendai Airport.

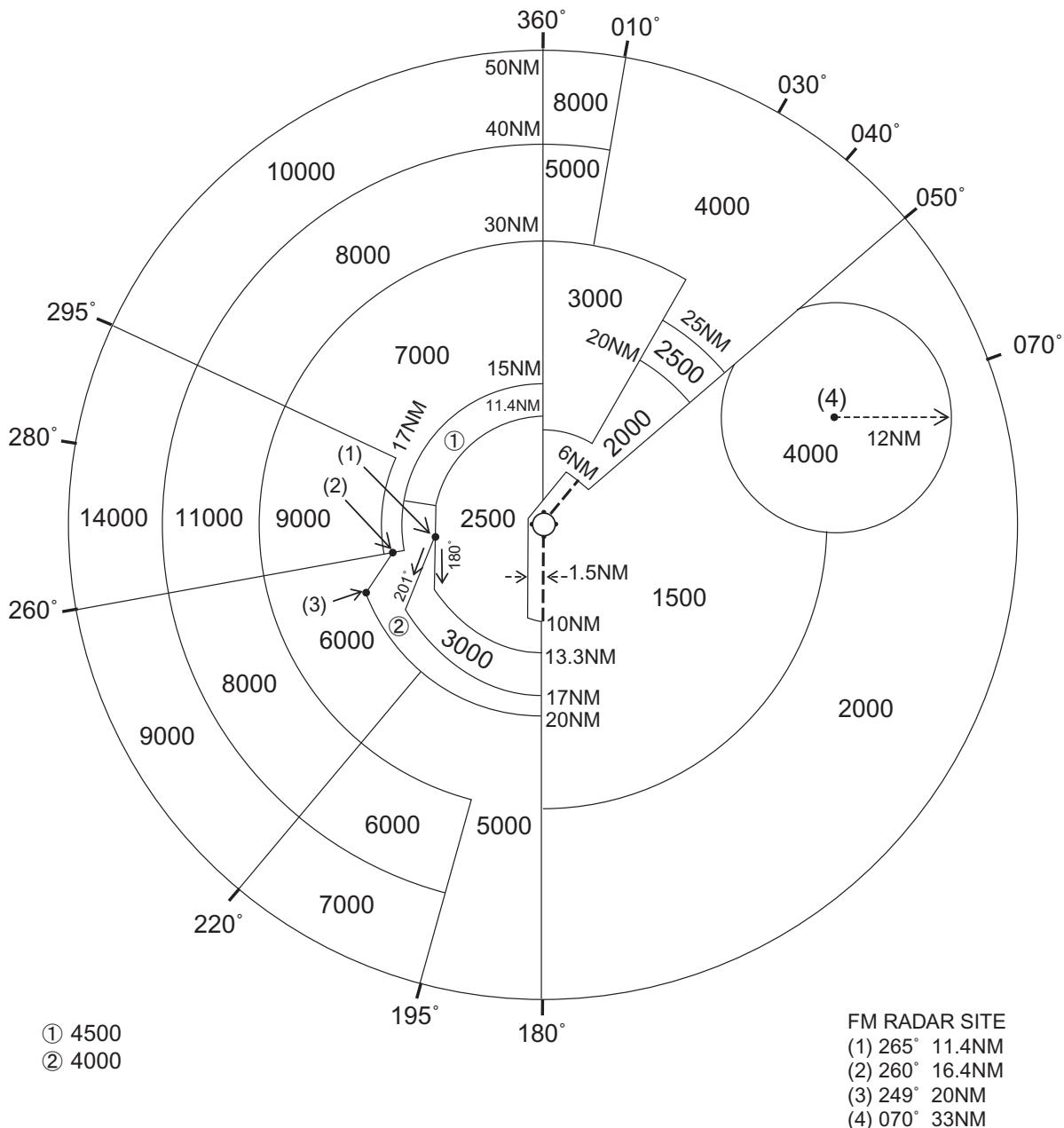
CHANGE : SENDAI RADIO added to NOTE.



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Minimum Vectoring Altitude CHART

VAR 9°W (2024)



① 4500
 ② 4000

FM RADAR SITE
 (1) 265° 11.4NM
 (2) 260° 16.4NM
 (3) 249° 20NM
 (4) 070° 33NM

CENTER : 380838N/1405510E (RADAR SITE)

CHANGE : VAR.