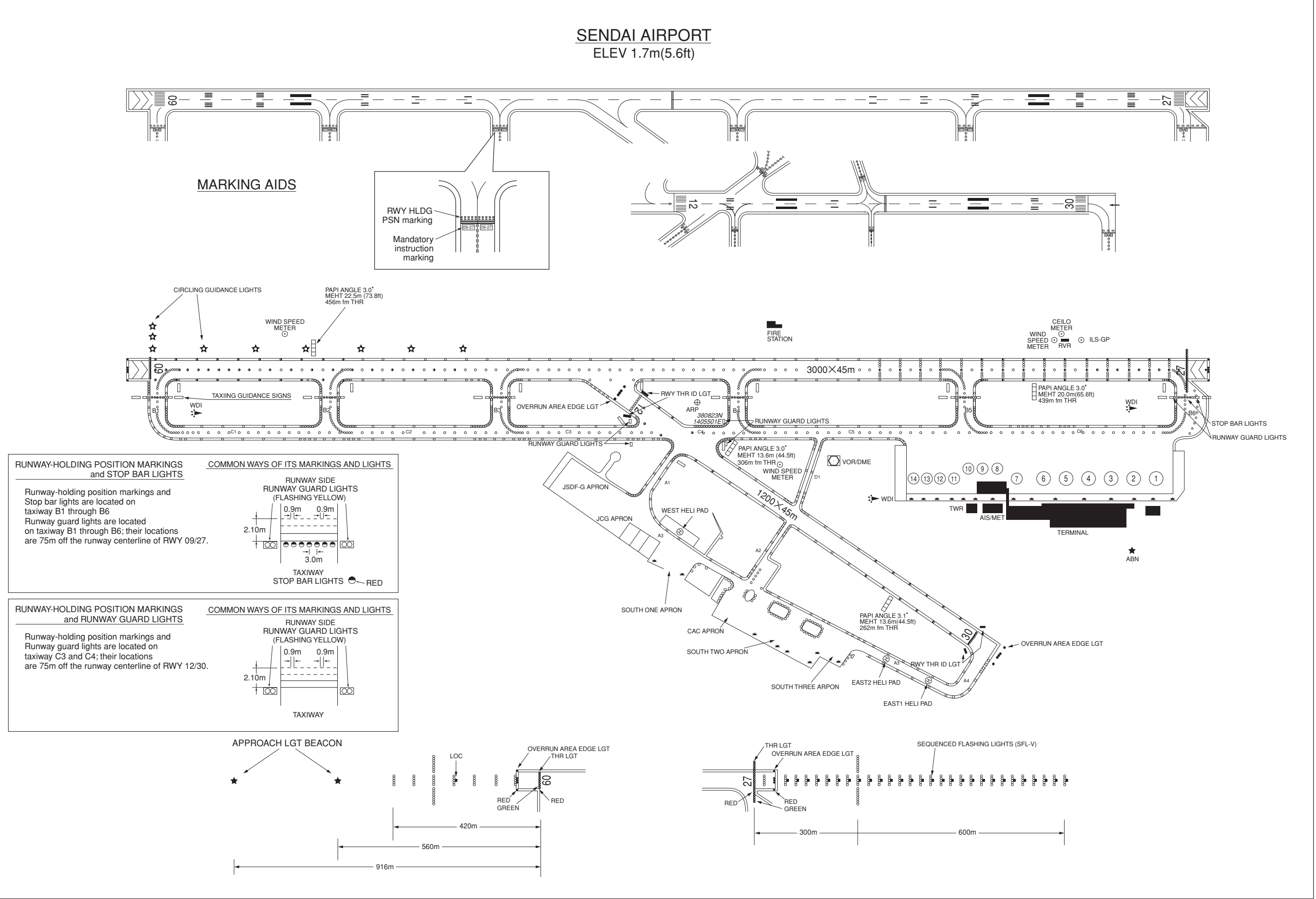
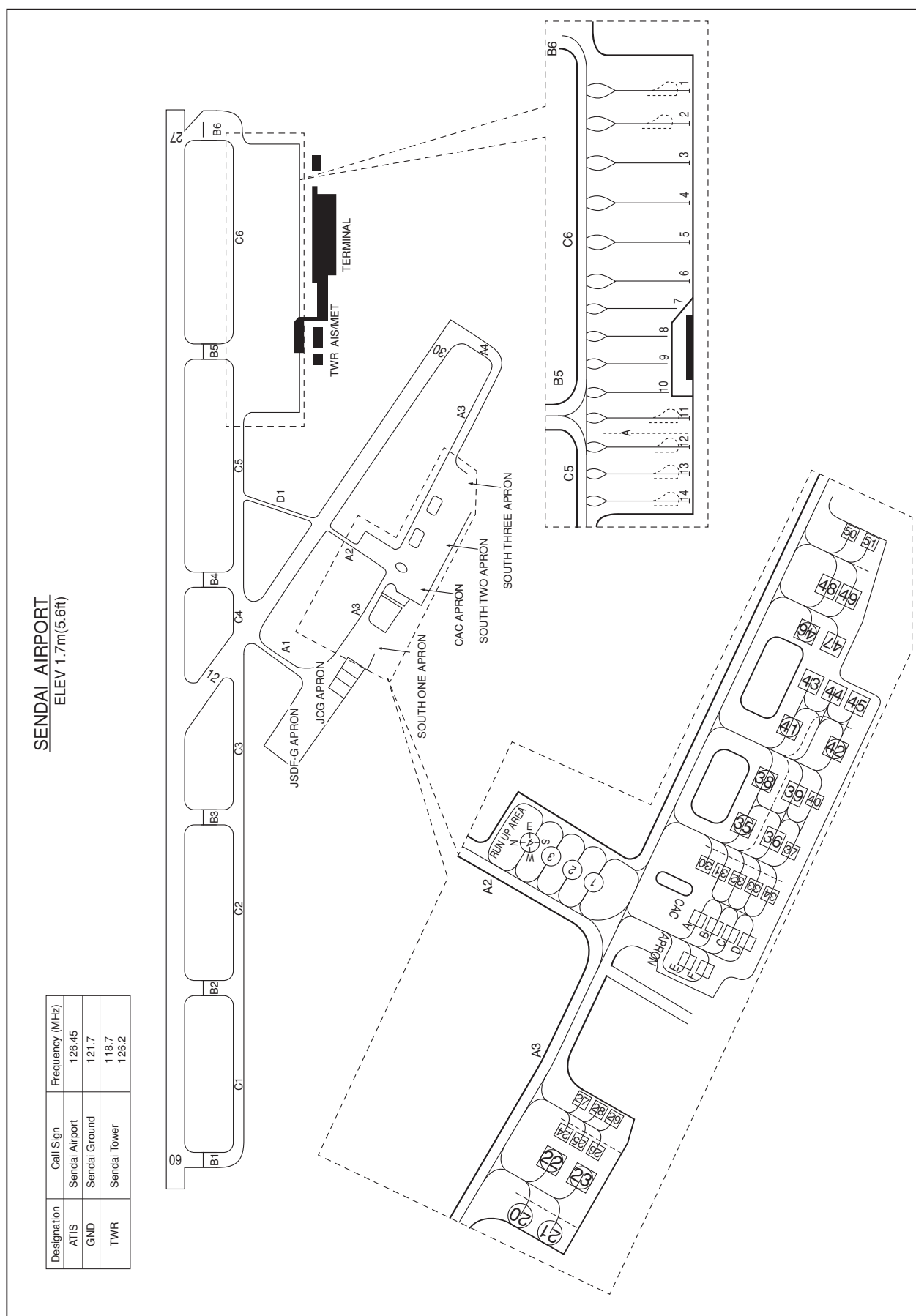


AERODROME CHART



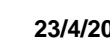


AERODROME OBSTACLE CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



## 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 : PROC renamed.Restriction added (IXE R024/46.7DME).



## 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.

SENDAI REVERSAL SIX DEPARTURE



## STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION



## STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

DERBY THREE 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	—	—	090 (082.5)	-7.8	—	—	+500	—	—	RNAV1
002	DF	SS901	Y	—	-7.8	—	—	—	—	—	RNAV1
003	DF	ANEMO	—	—	-7.8	—	R	—	—	—	RNAV1
004	TF	EBOSI	—	284 (276.4)	-7.8	17.6	—	—	—	—	RNAV1
005	TF	DERBY	—	276 (268.1)	-7.8	7.7	—	+10000	—	—	RNAV1

## 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	—	—	270 (262.5)	-7.8	—	—	+500	—	—	RNAV1
002	DF	SS701	Y	—	-7.8	—	—	—	—	—	RNAV1
003	DF	EBOSI	—	—	-7.8	—	L	—	—	—	RNAV1
004	TF	DERBY	—	276 (268.1)	-7.8	7.7	—	+10000	—	—	RNAV1

NIIGATA TRANSITION

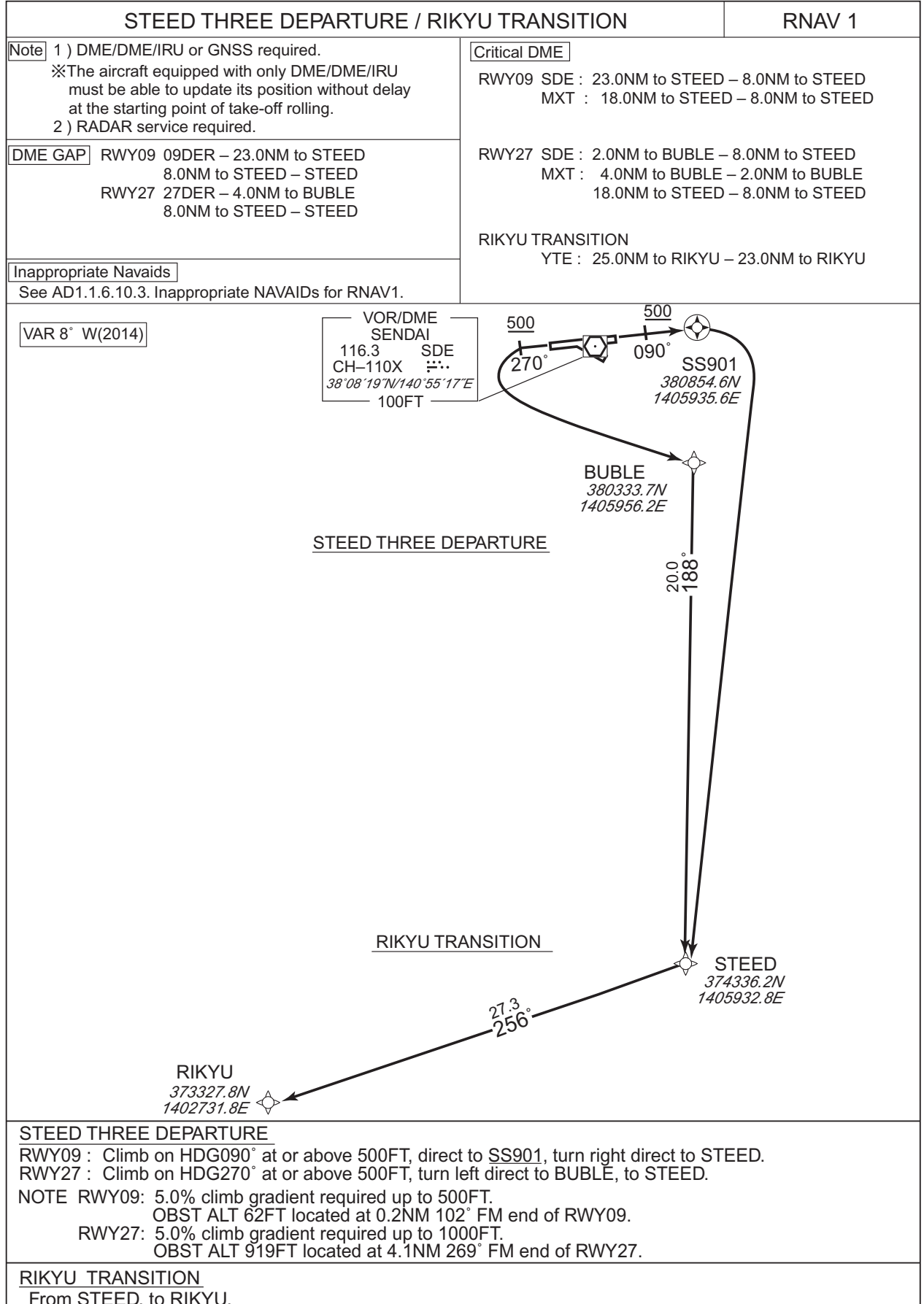
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	DERBY	—	—	-7.8	—	—	+10000	—	—	RNAV1
002	TF	GTC	—	276 (268.0)	-7.8	63.9	—	—	—	—	RNAV1



## STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION



## STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

STEED THREE 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	—	—	090 (082.5)	-7.8	—	—	+500	—	—	RNAV1
002	DF	SS901	Y	—	-7.8	—	—	—	—	—	RNAV1
003	DF	STEED	—	—	-7.8	—	R	—	—	—	RNAV1

## 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	—	—	270 (262.5)	-7.8	—	—	+500	—	—	RNAV1
002	DF	BUBLE	—	—	-7.8	—	L	—	—	—	RNAV1
003	TF	STEED	—	188 (180.9)	-7.8	20.0	—	—	—	—	RNAV1

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	—	—	-7.8	—	—	—	—	—	RNAV1
002	TF	RIKYU	—	256 (248.4)	-7.8	27.3	—	—	—	—	RNAV1

## STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID

## CUBIC THREE DEPARTURE

RNAV 1

**Note** 1 ) DME/DME/IRU or GNSS required.  
※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.  
2 ) RADAR service required.

**Critical DME**

RWY09 SDE, IXE : 29.0NM to CUBIC – CUBIC  
RWY27 MXT : 4.0NM to BUBLE – 2.0NM to CUBIC  
SDE : 2.0NM to BUBLE – 12.0NM to CUBIC

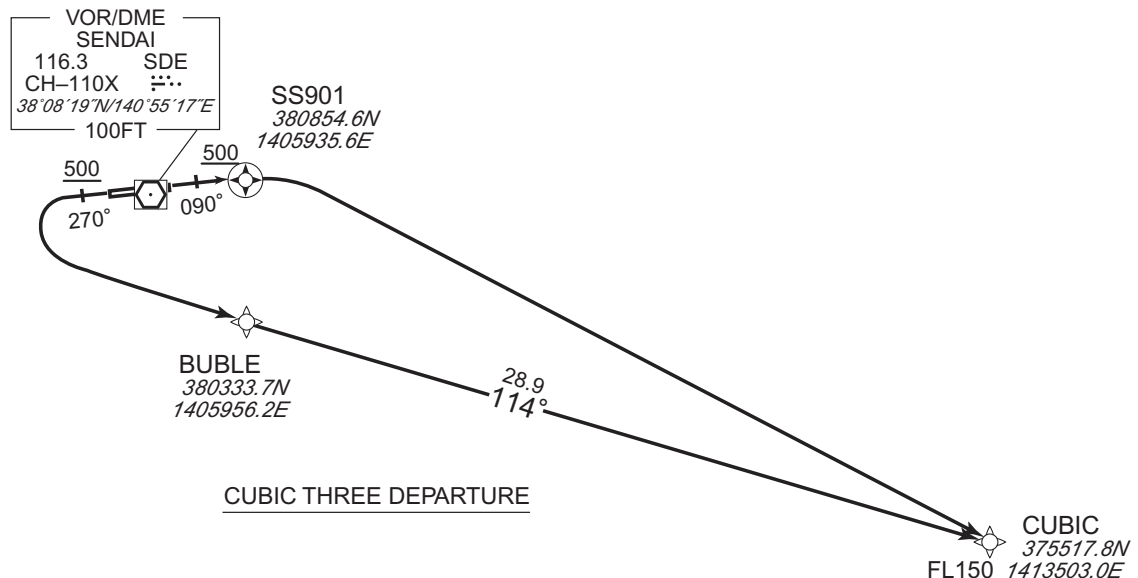
**DME GAP**

RWY09 09DER – 29.0NM to CUBIC  
RWY27 27DER – 4.0NM to BUBLE

**Inappropriate NavAids**

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

**VAR 8° W(2014)**

**CUBIC THREE DEPARTURE**

RWY09 : Climb on HDG090° at or above 500FT, direct to SS901, turn right direct to CUBIC at or above FL150.

RWY27 : Climb on HDG270° at or above 500FT, turn left direct to BUBLE, to CUBIC at or above FL150.

**NOTE** RWY09: 5.0% climb gradient required up to 500FT.  
OBST ALT 62FT located at 0.2NM 102° 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.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID

CUBIC THREE 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	—	—	090 (082.5)	-7.8	—	—	+500	—	—	RNAV1
002	DF	SS901	Y	—	-7.8	—	—	—	—	—	RNAV1
003	DF	CUBIC	—	—	-7.8	—	R	+FL150	—	—	RNAV1

## 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	—	—	270 (262.5)	-7.8	—	—	+500	—	—	RNAV1
002	DF	BUBLE	—	—	-7.8	—	L	—	—	—	RNAV1
003	TF	CUBIC	—	114 (106.5)	-7.8	28.9	—	+FL150	—	—	RNAV1

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV TRANSITION

TOHOKU TRANSITION		RNAV 1
<div>Note</div> <div>1 ) DME/DME/IRU or GNSS required.</div> <div>2 ) RADAR service required.</div>	<div>Critical DME</div> <div>HPE : 45.0NM to SAITI - 39.0NM to SAITI</div> <div>UWE : 31.0NM to SAMBO - 24.0NM to SAMBO</div>	
<div>DME GAP</div> <div>—</div>		
<div>Inappropriate Nav aids</div> <div>See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.</div>		
<div>VAR 8° W(2019)</div> <div><p>SAMBO 401115.9N 1405701.4E</p><p>SAITI 392600.1N 1411511.1E</p><p>RIDER 381906.7N 1414117.5E</p><p>TOHOKU TRANSITION</p><p>24.3 020°</p><p>CUBIC 375517.8N 1413503.0E</p><p>FL150</p></div>		
<div>TOHOKU TRANSITION</div> <div>From CUBIC at or above FL150, to RIDER, to SAITI, to SAMBO.</div>		

## STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV TRANSITION

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	—	—	-8.2	—	—	+FL150	—	—	RNAV1
002	TF	RIDER	—	020 (011.6)	-8.2	24.3	—	—	—	—	RNAV1
003	TF	SAITI	—	351 (343.2)	-8.2	70.0	—	—	—	—	RNAV1
004	TF	SAMBO	—	351 (343.0)	-8.2	47.4	—	—	—	—	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

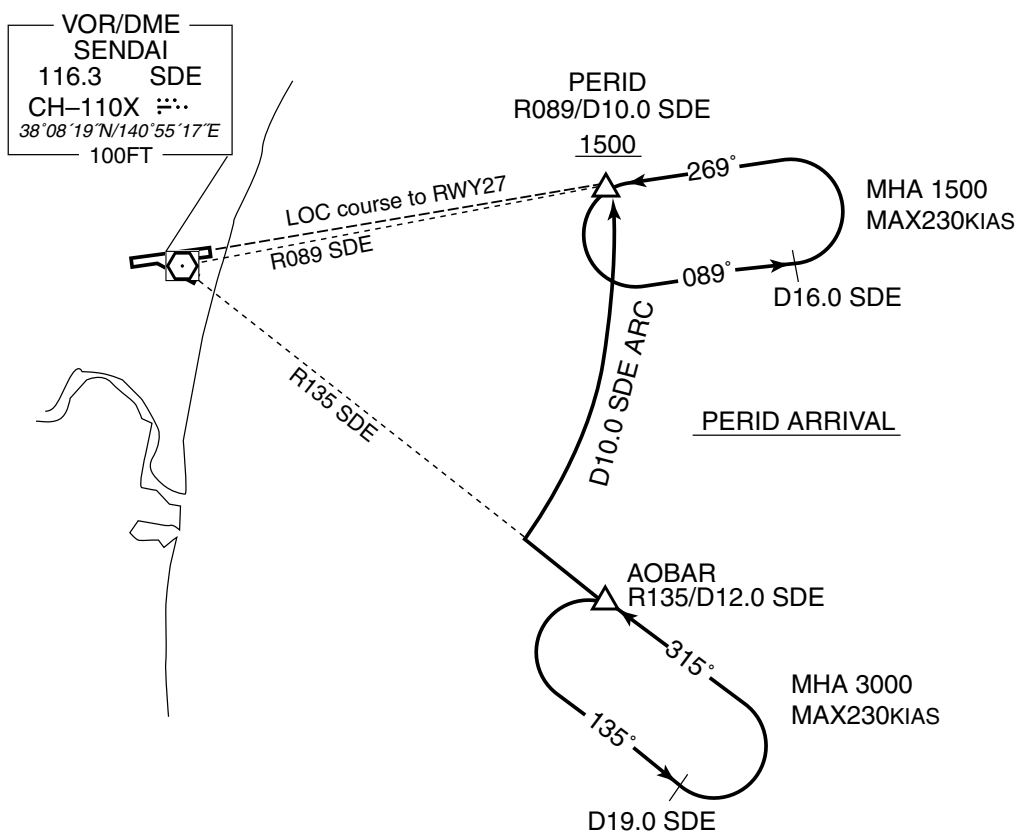
RJSS / SENDAI

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

RNAV 1

Note 1 ) DME/DME/IRU or GNSS required.  
2 ) RADAR service required.

VAR 8°W (2014)

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

LANCE WEST ARRIVAL

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

Critical DME	SDE : 5.0NM to QUAIL – 4.0NM to QUAIL 2.0NM to QUAIL – QUAIL HPE : 1.0NM to QUAIL – QUAIL
DME GAP	QUAIL – SHIPS
Inappropriate NavAids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

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	—	—	-7.8	—	—	+11000	—	—	RNAV1
002	TF	QUAIL	—	127 (119.4)	-7.8	5.0	—	—	-250	—	RNAV1
003	TF	RIBON	—	092 (084.5)	-7.8	5.0	—	+6000	—	—	RNAV1
004	TF	SHIPS	—	002 (354.6)	-7.8	7.8	—	+4000	—	—	RNAV1

## STANDARD ARRIVAL CHART-INSTRUMENT

RJSS / SENDAI

RNAV STAR RWY09

## OWLET WEST ARRIVAL

Basic RNP1

Note GNSS required.

VAR 8°W (2014)

OWLET WEST ARRIVAL

From OWLET at or above 13000FT, to PRINK at or above 8000FT, to QUIST, 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	OWLET	—	—	-7.8	—	—	+13000	—	—	Basic RNP1
002	TF	PRINK	—	092 (084.4)	-7.8	5.3	—	+8000	—	—	Basic RNP1
003	TF	QUIST	—	092 (084.5)	-7.8	5.2	—	—	-250	—	Basic RNP1
004	TF	RIBON	—	002 (354.6)	-7.8	5.0	—	+6000	—	—	Basic RNP1
005	TF	SHIPS	—	002 (354.6)	-7.8	7.8	—	+4000	—	—	Basic RNP1

## STANDARD ARRIVAL CHART-INSTRUMENT

RJSS / SENDAI

RNAV STAR RWY27

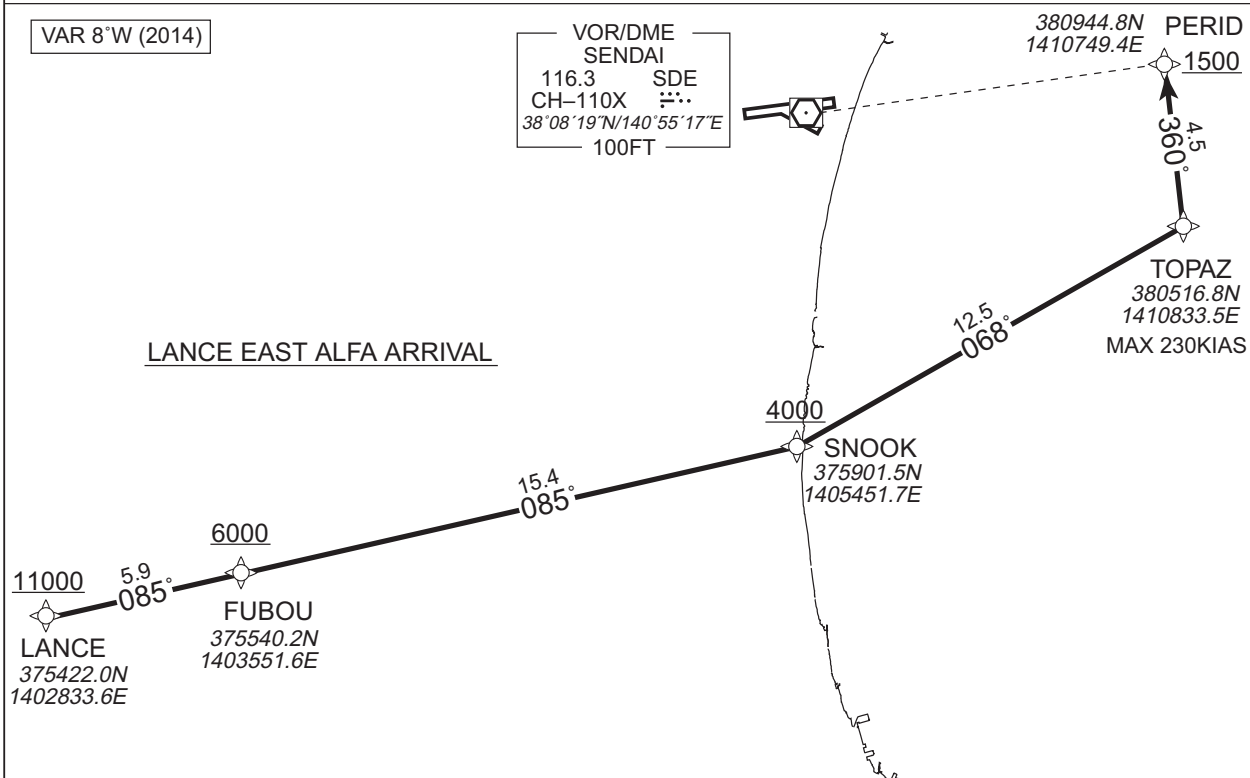
## LANCE EAST ALFA ARRIVAL

RNAV 1

Note 1 ) DME/DME/IRU or GNSS required.  
2 ) RADAR service required.

VAR 8°W (2014)

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



## LANCE EAST ALFA ARRIVAL

From LANCE at or above 11000FT, to FUBOU at or above 6000FT, to SNOOK at or above 4000FT, to TOPAZ, to PERID at or above 1500FT.

Critical DME	MXT : 3.0NM to SNOOK - 8.0NM to TOPAZ
	SDE : 11.0NM to TOPAZ - PERID
	IXE : 3.0NM to SNOOK - 12.0NM to TOPAZ
DME GAP	LANCE - 3.0NM to SNOOK
Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1.

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	—	—	-7.8	—	—	+11000	—	—	RNAV1
002	TF	FUBOU	—	085 (077.2)	-7.8	5.9	—	+6000	—	—	RNAV1
003	TF	SNOOK	—	085 (077.3)	-7.8	15.4	—	+4000	—	—	RNAV1
004	TF	TOPAZ	—	068 (059.8)	-7.8	12.5	—	—	-230	—	RNAV1
005	TF	PERID	—	360 (352.6)	-7.8	4.5	—	+1500	—	—	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

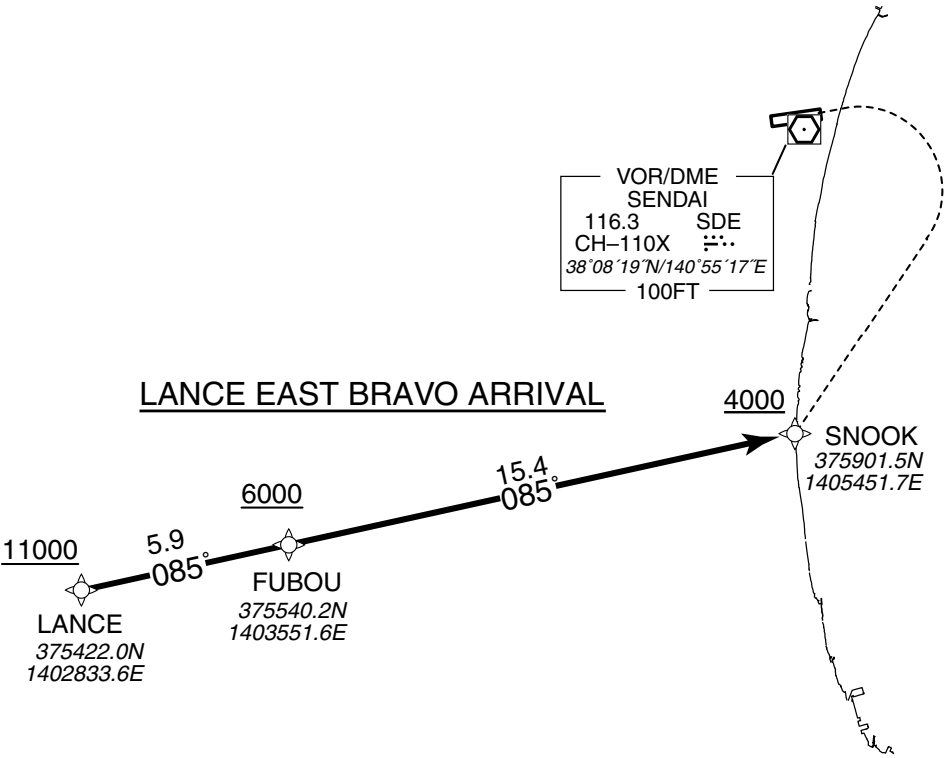
RJSS / SENDAI

RNAV STAR RWY27

LANCE EAST BRAVO ARRIVAL	Basic RNP1
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Note GNSS required.

VAR 8°W (2014)



LANCE EAST BRAVO ARRIVAL

From LANCE at or above 11000FT, to FUBOU at or above 6000FT, to SNOOK 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	—	—	-7.8	—	—	+11000	—	—	Basic RNP1
002	TF	FUBOU	—	085 (077.2)	-7.8	5.9	—	+6000	—	—	Basic RNP1
003	TF	SNOOK	—	085 (077.3)	-7.8	15.4	—	+4000	—	—	Basic RNP1

## STANDARD ARRIVAL CHART-INSTRUMENT

RJSS / SENDAI

RNAV STAR RWY27

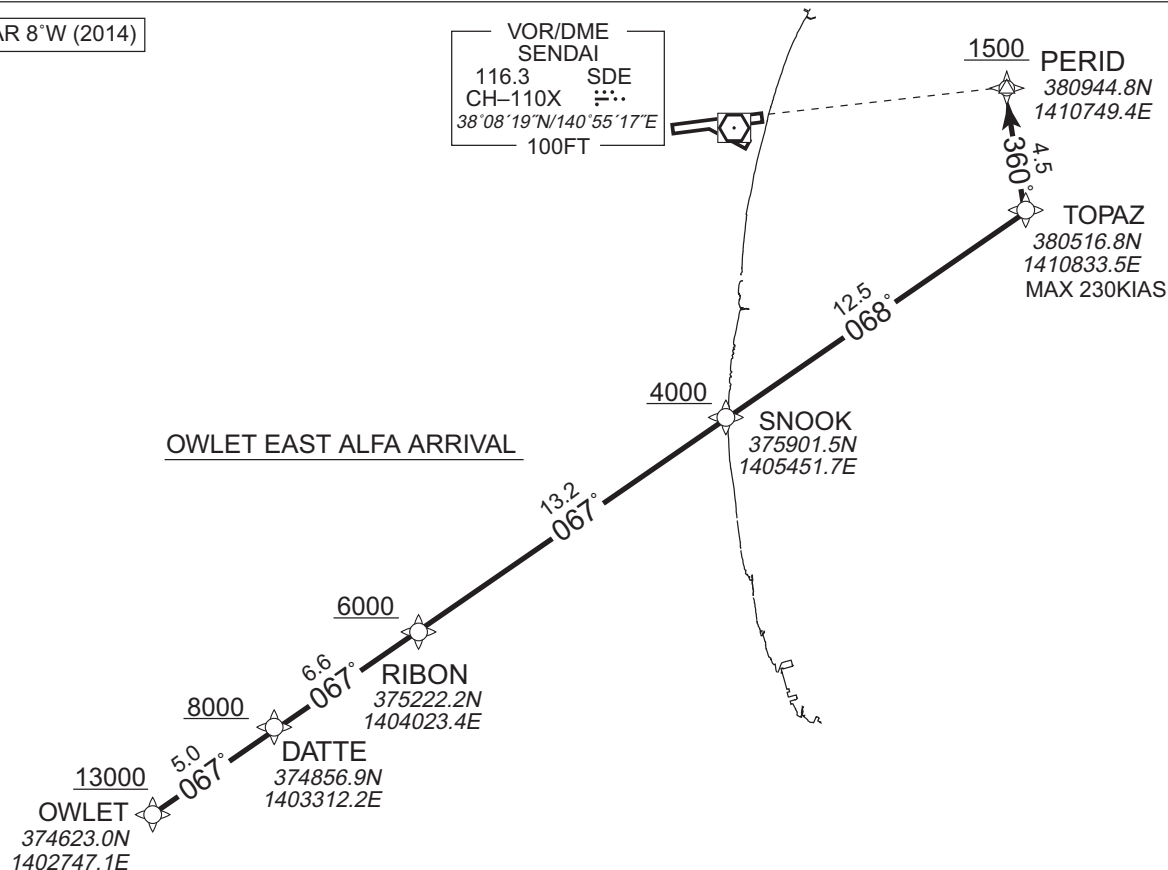
## OWLET EAST ALFA ARRIVAL

RNAV 1

Note 1 ) DME/DME/IRU or GNSS required.

2 ) RADAR service required.

VAR 8°W (2014)



## OWLET EAST ALFA ARRIVAL

From OWLET at or above 13000FT, to DATTE at or above 8000FT, to RIBON at or above 6000FT, to SNOOK at or above 4000FT, to TOPAZ, to PERID at or above 1500FT.

Critical DME	MXT : 2.0NM to SNOOK – 8.0NM to TOPAZ
	SDE : 11.0NM to TOPAZ – PERID
	IXE : 2.0NM to SNOOK – SNOOK
DME GAP	DATTE – 2.0NM to SNOOK
Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1.

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	—	—	-7.8	—	—	+13000	—	—	RNAV1
002	TF	DATTE	—	067 (059.0)	-7.8	5.0	—	+8000	—	—	RNAV1
003	TF	RIBON	—	067 (058.9)	-7.8	6.6	—	+6000	—	—	RNAV1
004	TF	SNOOK	—	067 (059.7)	-7.8	13.2	—	+4000	—	—	RNAV1
005	TF	TOPAZ	—	068 (059.8)	-7.8	12.5	—	—	-230	—	RNAV1
006	TF	PERID	—	360 (352.6)	-7.8	4.5	—	+1500	—	—	RNAV1

## STANDARD ARRIVAL CHART-INSTRUMENT

RJSS / SENDAI

RNAV STAR RWY27

## OWLET EAST BRAVO ARRIVAL

Basic RNP1

Note GNSS required.

VAR 8°W (2014)

OWLET EAST BRAVO ARRIVAL

From OWLET at or above 13000FT, to DATTE at or above 8000FT, to RIBON at or above 6000FT, to SNOOK 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	OWLET	—	—	-7.8	—	—	+13000	—	—	Basic RNP1
002	TF	DATTE	—	067 (059.0)	-7.8	5.0	—	+8000	—	—	Basic RNP1
003	TF	RIBON	—	067 (058.9)	-7.8	6.6	—	+6000	—	—	Basic RNP1
004	TF	SNOOK	—	067 (059.7)	-7.8	13.2	—	+4000	—	—	Basic RNP1

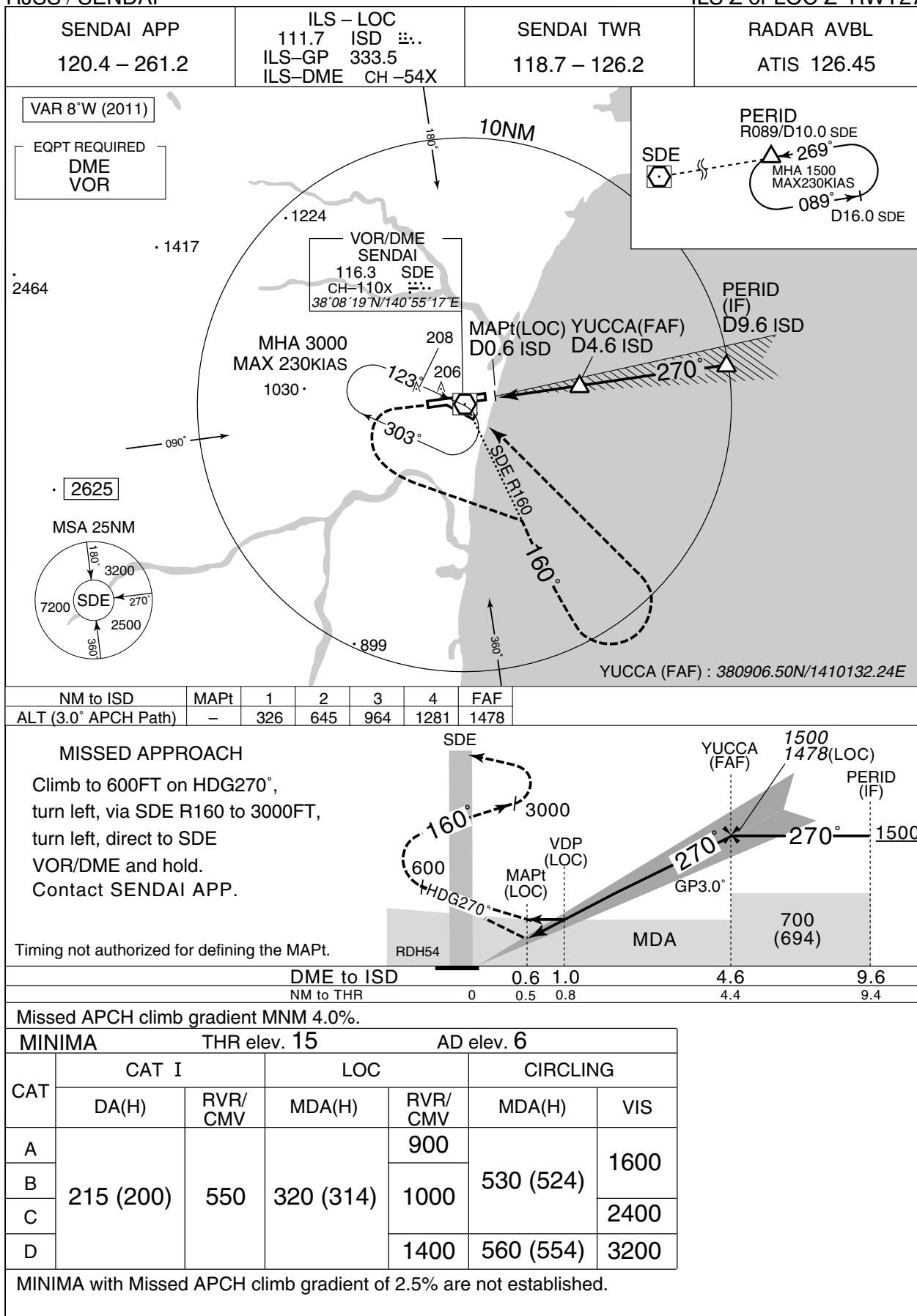
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## INSTRUMENT APPROACH CHART

RJSS / SENDAI

ILS Z or LOC Z RWY27



## INSTRUMENT APPROACH CHART

RJSS / SENDAI

ILS Y or LOC Y RWY27



Missed APCH climb gradient MNM 4.0%.

MINIMA		THR elev. 15		AD elev. 6		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	215 (200)	550	320 (314)	900	530 (524)	1600
B				1000		2400
C						
D				1400	560 (554)	3200

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

## INSTRUMENT APPROACH CHART

RJSS / SENDAI

VOR RWY27



## MISSED APPROACH

Turn left, climb via SDE R160 to 3000FT,  
turn left, direct to SDE VOR/DME  
and hold.  
Contact SENDAI APP.

Timing not authorized for defining the MAPt.



MINIMA		THR elev. 15	AD elev. 6	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	390 (384)	900	530 (524)	1600
B		1000		2400
C			1400	
D				

INSTRUMENT APPROACH CHART

RJSS / SENDAIVOR RWY30



## INSTRUMENT APPROACH CHART

RJSS / SENDAI

RNAV(GNSS) Z RWY09



## INSTRUMENT APPROACH CHART

RJSS / SENDAI

RNAV(RNP) Y RWY09

SENDAI APP 120.4 – 261.2	GNSS required	SENDAI TWR 118.7 – 126.2	RADAR AVBL ATIS 126.45
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For uncompensated Baro-VNAV system, procedure not authorized below -10°C / above 45°C



## MISSED APPROACH

Climb to 3000FT, to SS901,  
to AOBAR and hold.  
Contact SENDAI APP.

MINIMA		THR elev. 12	AD elev. 6
CAT	RNP 0.30		
	DA(H)	CMV	
A	—	—	
B	—	—	
C	312 (300)	1400	
D		1600	

**RNP AR**

Special Authorization Required

## INSTRUMENT APPROACH CHART

RJSS / SENDAI

RNAV(RNP) Y RWY09

RNAV(RNP) Y RWY09Coding 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	SHIPS	—	—	-7.8	—	—	+4000	—	—	—
002	TF	TILES	—	020 (012.4)	-7.8	6.0	—	+2500	—	—	1.0
003	TF	SUGOH	—	080 (072.1)	-7.8	5.3	—	1700	—	—	1.0
004	TF	RW09	Y	090 (082.5)	-7.8	5.1	—	62	—	-3.00/50	0.3
005	TF	SS901	—	090 (082.5)	-7.8	4.5	—	—	—	—	1.0
006	TF	AOBAR	—	150 (142.0)	-7.8	10.0	—	3000	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates
SHIPS	380010.38N/1403927.39E
TILES	380602.47N/1404105.50E
SUGOH	380739.30N/1404727.27E
RW09	380819.58N/1405355.40E
SS901	380854.58N/1405935.60E
AOBAR	380102.14N/1410723.23E



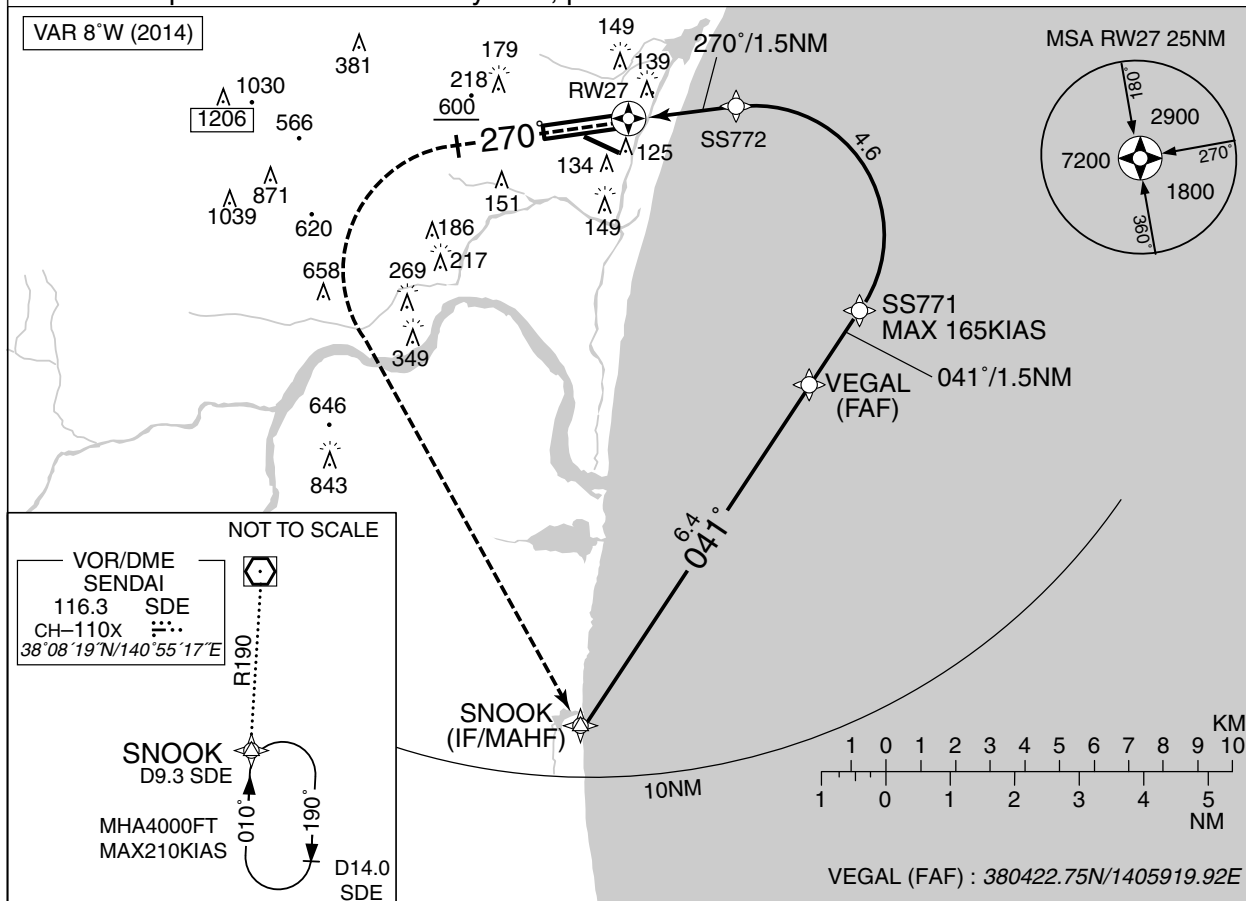
## INSTRUMENT APPROACH CHART

RJSS / SENDAI

RNAV(RNP) RWY27

SENDAI APP 120.4 – 261.2	GNSS and RF required	SENDAI TWR 118.7 – 126.2	RADAR AVBL ATIS 126.45
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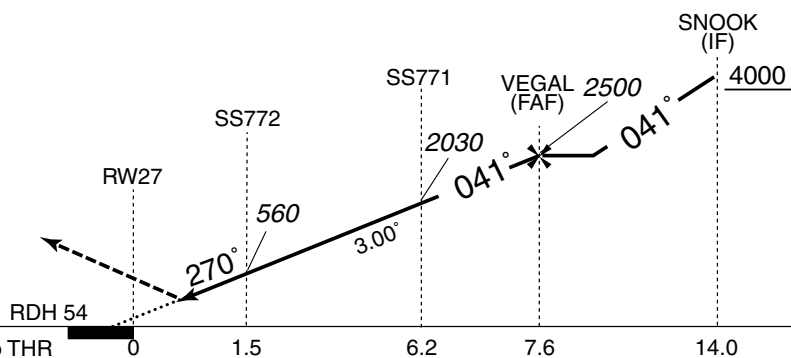
For uncompensated Baro-VNAV system, procedure not authorized below  $-10^{\circ}\text{C}$  / above  $45^{\circ}\text{C}$



## MISSED APPROACH

From RW27 on track 270°, at or above 600FT turn left, direct to SNOOK and hold at 4000FT.

Contact SENDAI APP.



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

# RNP AR

## Special Authorization Required

\* Missed APCH climb gradient MNM 4.0%

## INSTRUMENT APPROACH CHART

RJSS / SENDAI

RNAV(RNP) RWY27

RNAV(RNP) RWY27Coding Table

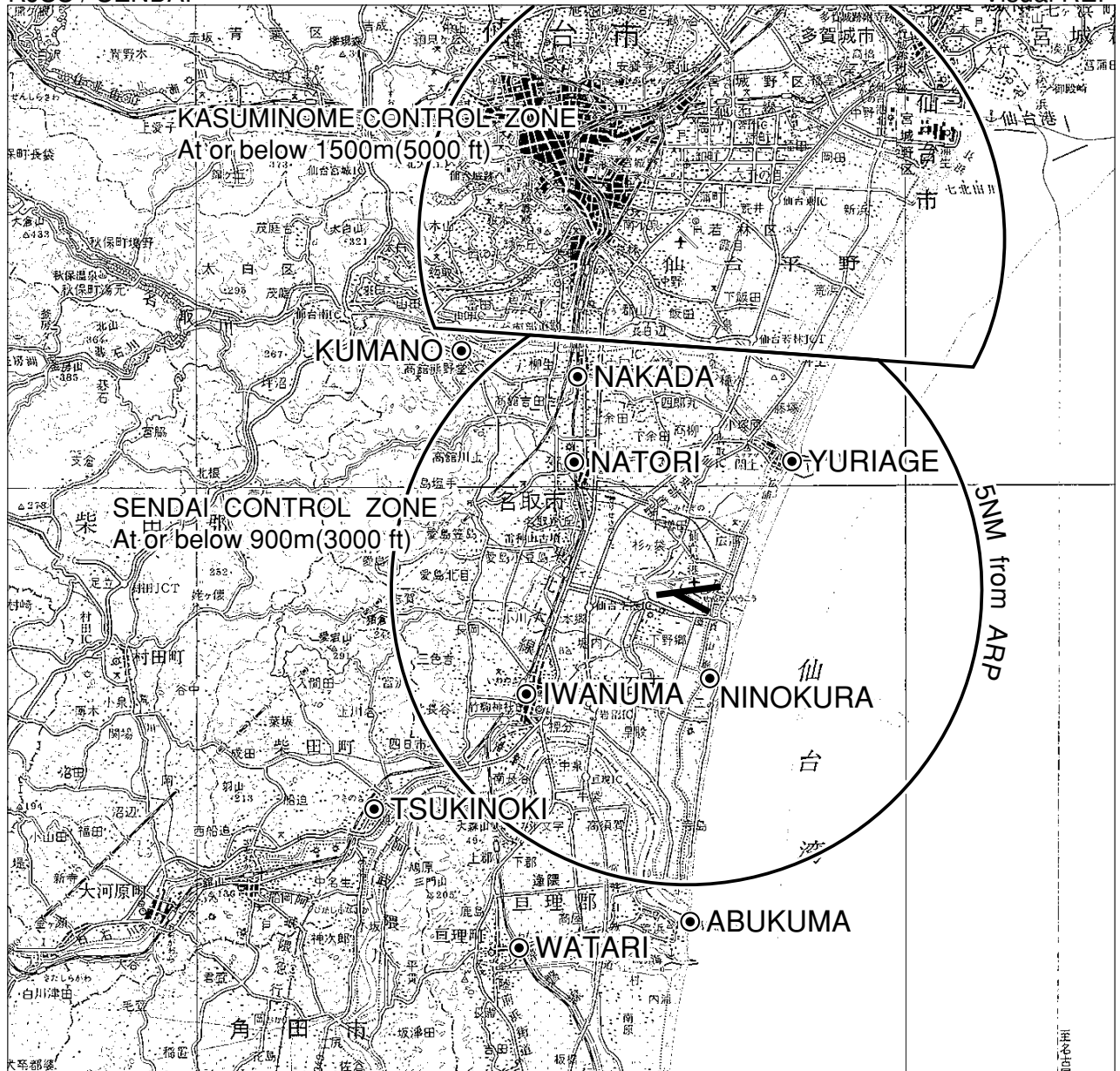
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/RDH (°/FT)	RNP Value
001	IF	SNOOK	—	—	-7.8	—	—	+4000	—	—	—
002	TF	VEGAL	—	041 (033.3)	-7.8	6.4	—	2500	—	—	1.0
003	TF	SS771	—	041 (033.4)	-7.8	1.5	—	2030	-165	-3.00	0.3
004	RF Center: SSRF1 R=2.02NM	SS772	—	—	-7.8	4.6	L	560	—	-3.00	0.3
005	TF	RW27	Y	270 (262.6)	-7.8	1.5	—	69	—	-3.00/54	0.3
006	FA	—	—	270 (262.6)	-7.8	—	—	+600	—	—	1.0
007	DF	SNOOK	—	—	-7.8	—	L	4000	—	—	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



RJSS / SENDAI

Visual REP

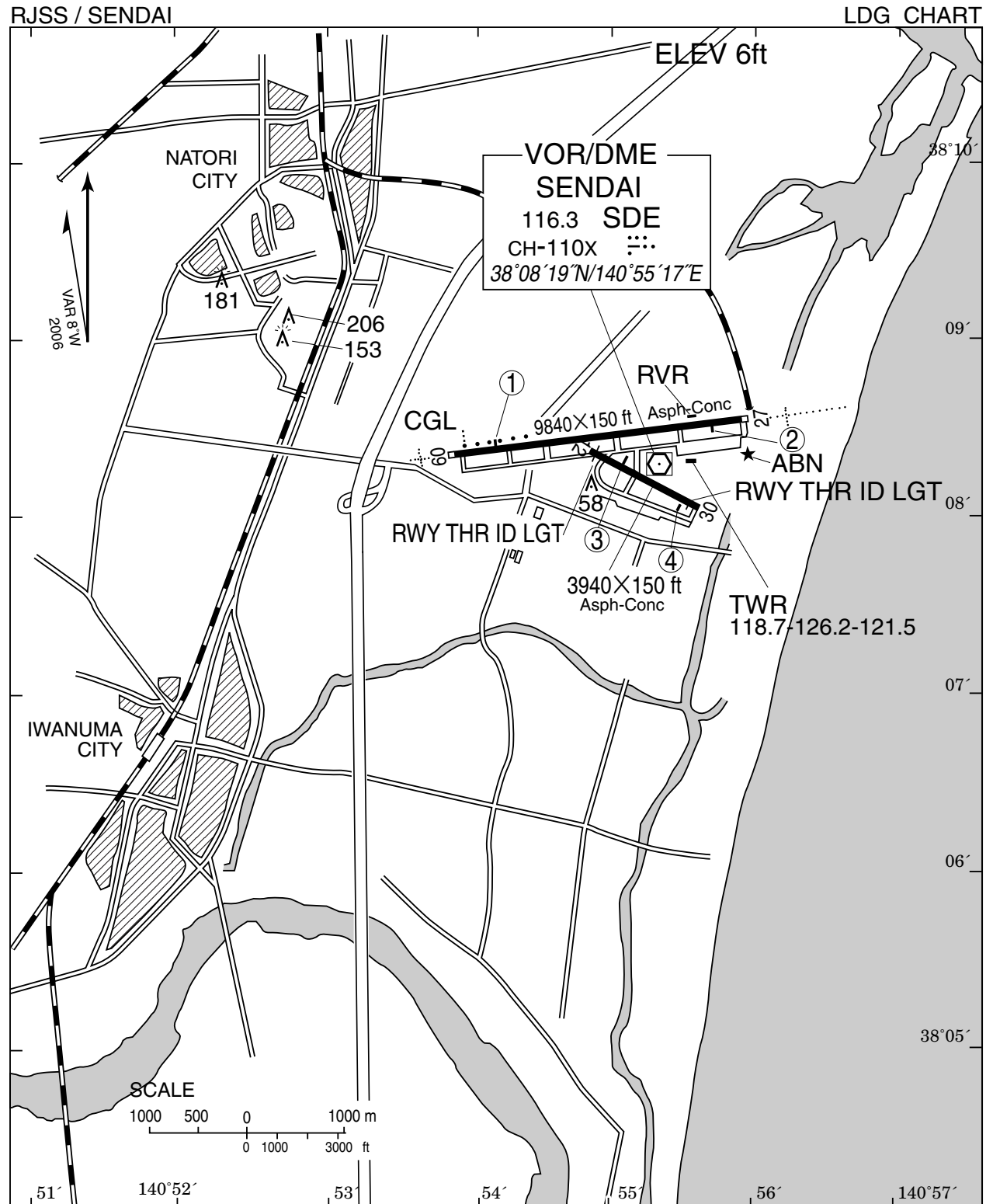
Call sign	BRG / DIST from ARP	Remarks
槻 木 Tsukinoki	242° / 6.2NM	JR槻木駅 Station
岩 沼 Iwanuma	244° / 3.0NM	JR岩沼駅 Station
亘 理 Watari	212° / 6.6NM	JR亘理駅 Station
阿 武 隈 Abukuma	186° / 5.6NM	阿武隈川河口 River-mouth of the Abukuma
二 の 倉 Ninokura	169° / 1.7NM	県南浄化センター Sewage disposal center
関 上 Yuriage	054° / 3.0NM	名取川河口 River-mouth of the Natori
中 田 Nakada	343° / 3.8NM	JR南仙台駅 Station
名 取 Natori	329° / 2.6NM	JR名取駅 Station
熊 野 Kumano	327° / 5.1NM	熊野神社 the Kumano Shrine

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" 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.



①	②	③	④
Angle 3.0°	Angle 3.0°	Angle 3.0°	Angle 3.1°
MEHT 22.5m (73.8 ft)	MEHT 20.0m (65.6 ft)	MEHT 13.6m (44.5 ft)	MEHT 13.6m (44.5 ft)
456m FM THR	439m FM THR	306m FM THR	262m FM THR

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Minimum Vectoring Altitude CHART

