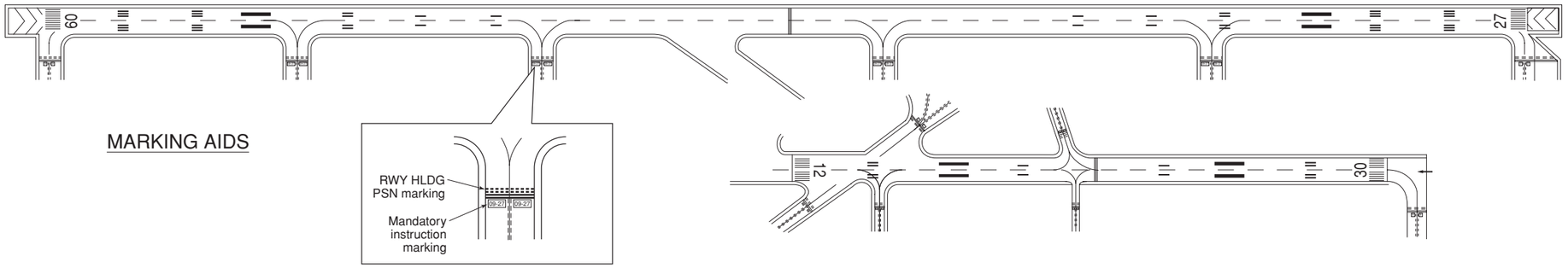
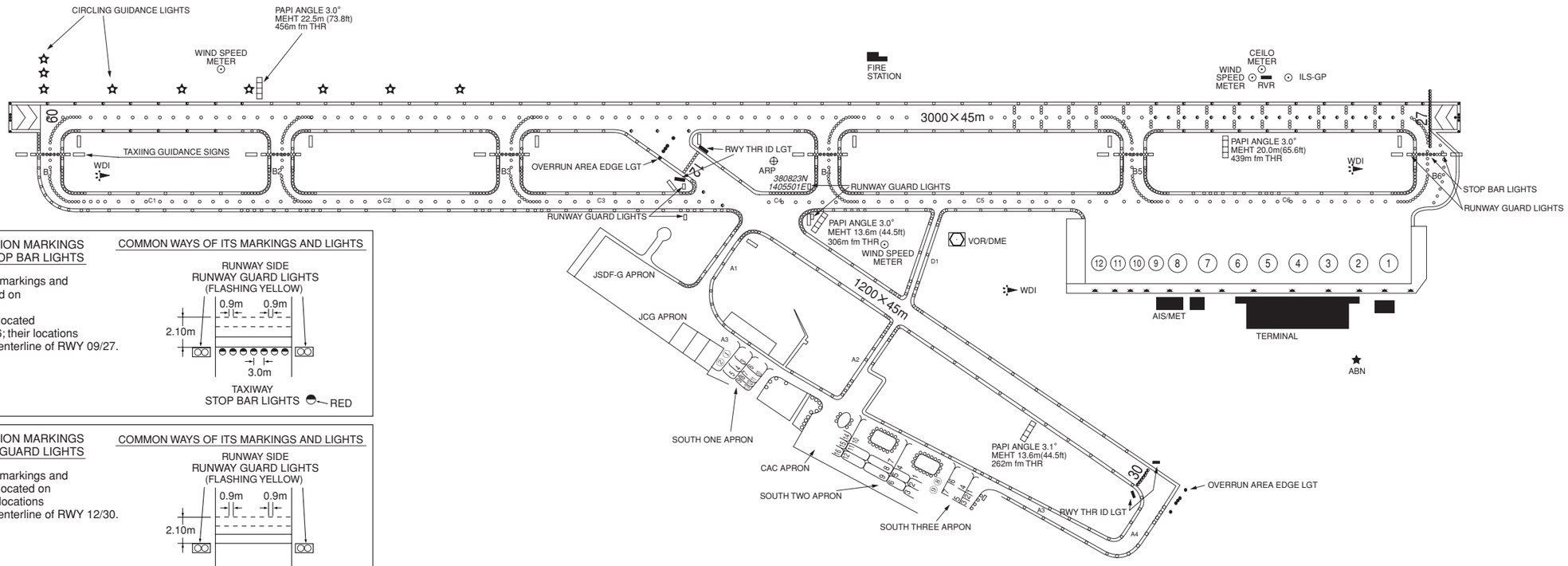
AERODROME CHART

SENDAI AIRPORT

ELEV 1.7m(5.6ft)





RUNWAY-HOLDING POSITION MARKINGS and STOP BAR LIGHTS

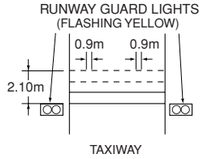
Runway-holding position markings and Stop bar lights are located on taxiway B1 through B6
Runway guard lights are located on taxiway B1 through B6; their locations are 75m off the runway centerline of RWY 09/27.

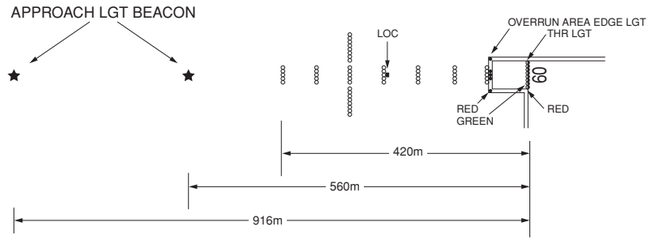
COMMON WAYS OF ITS MARKINGS AND LIGHTS

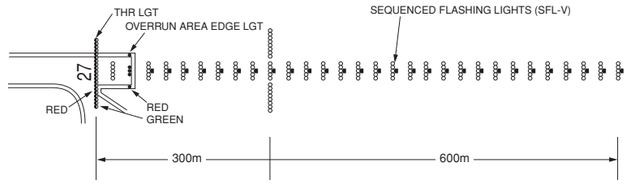
RUNWAY-HOLDING POSITION MARKINGS and RUNWAY GUARD LIGHTS

Runway-holding position markings and Runway guard lights are located on taxiway C3 and C4; their locations are 75m off the runway centerline of RWY 12/30.

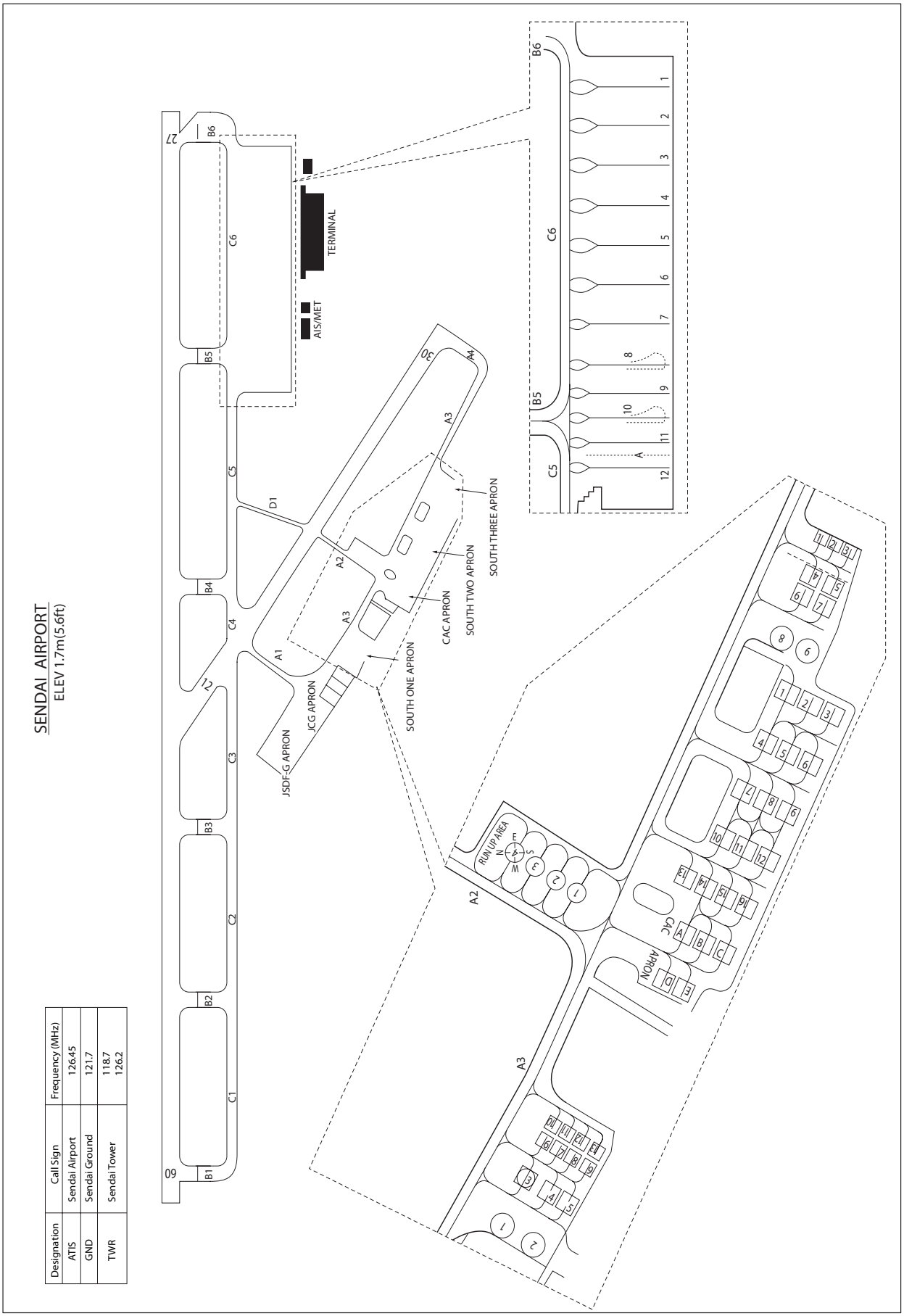
COMMON WAYS OF ITS MARKINGS AND LIGHTS







AERODROME CHART

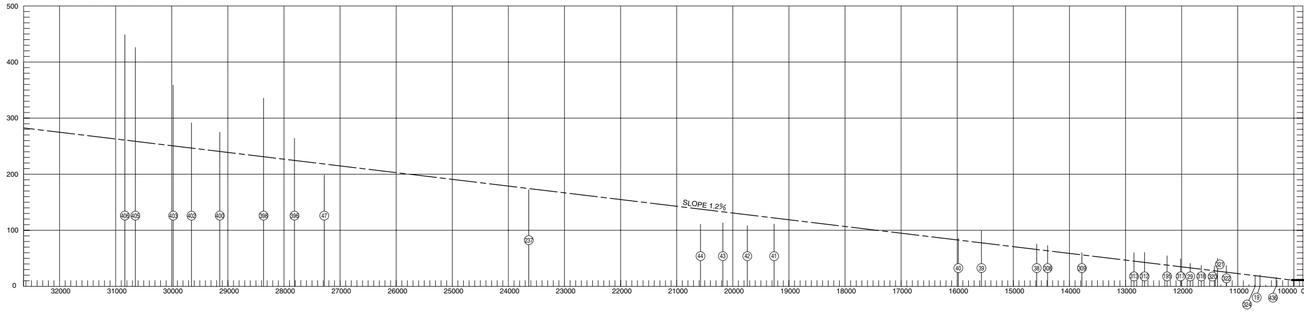


Designation	Call Sign	Frequency (MHz)
ATIS	Sendai Airport	126.45
GND	Sendai Ground	121.7
TWR	Sendai Tower	118.7 126.2

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

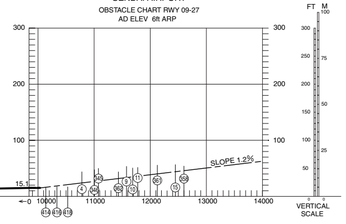
MAGNETIC VARIATION 7˚42 ´ W-OCT 2009

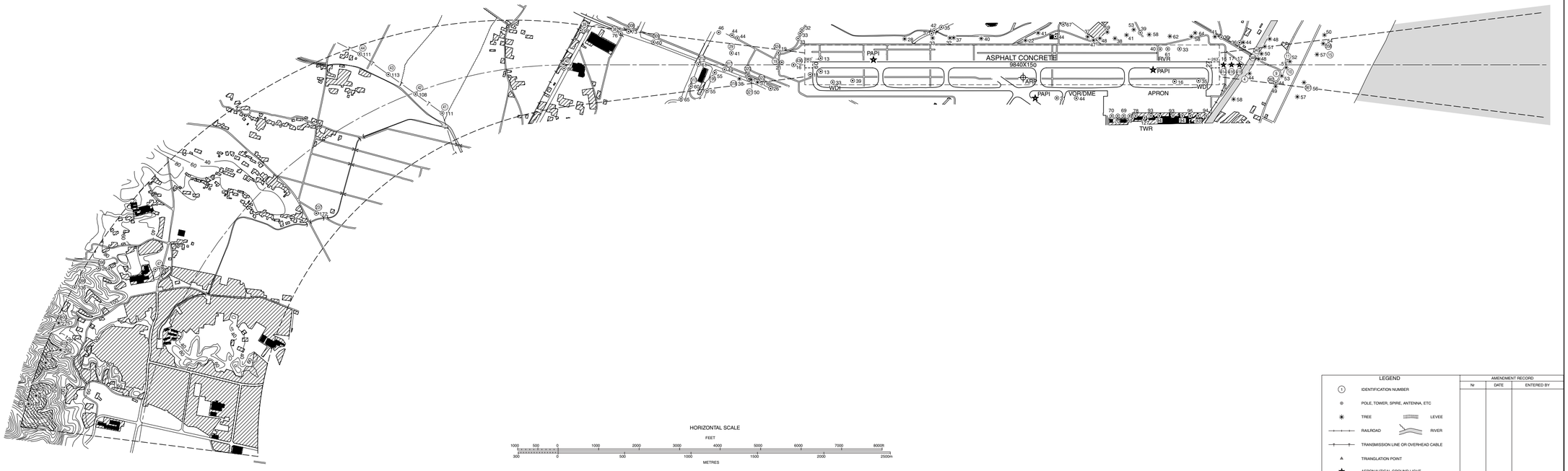


RWY : 09/27

DECLARED DISTANCES		
RWY 09		RWY 27
9840	TAKE OFF RUN AVAILABLE	9840
9840	TAKE OFF DISTANCE AVAILABLE	9840
9840	ACCELERATE STOP DISTANCE AVAILABLE	9840
9840	LANDING DISTANCE AVAILABLE	9840

SENDAI AIRPORT
OBSTACLE CHART RWY 09-27
AD ELEV 6ft ARP





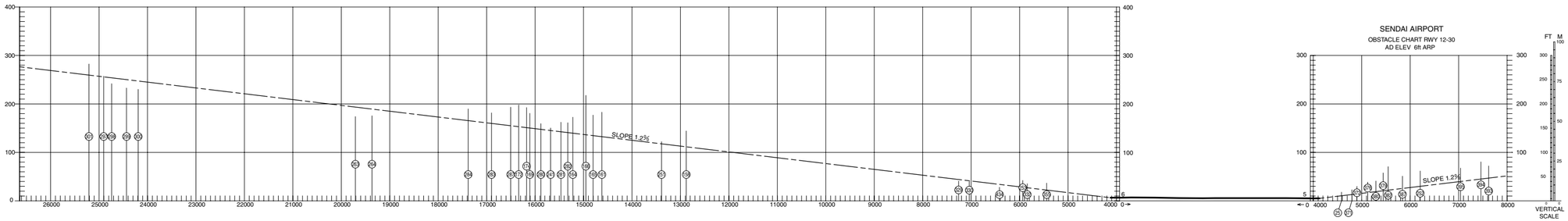
LEGEND	
①	IDENTIFICATION NUMBER
⊗	POLE, TOWER, SPIRE, ANTENNA, ETC
✳	TREE
	LEVEE
	RAILROAD
	RIVER
	TRANSMISSION LINE OR OVERHEAD CABLE
△	TRIANGLATION POINT
★	AERONAUTICAL GROUND LIGHT

AMENDMENT RECORD		
№	DATE	ENTERED BY

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

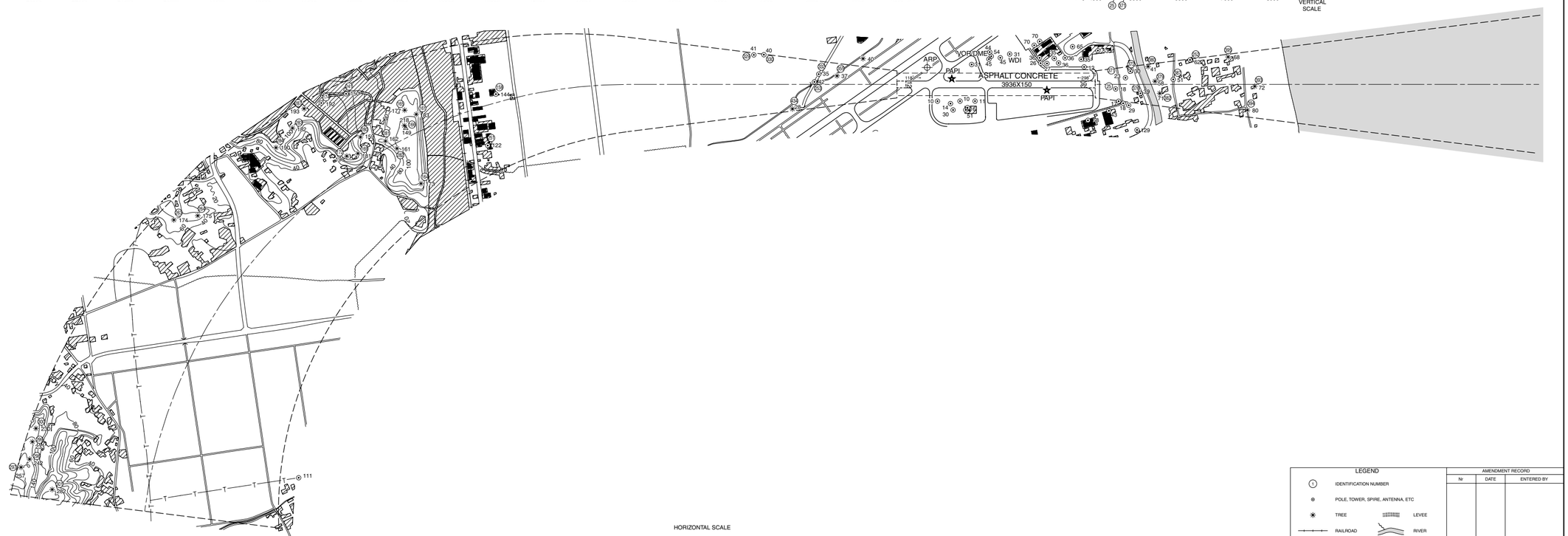
AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

MAGNETIC VARIATION 7˚42 ´ W-OCT 2009



RWY : 12/30

DECLARED DISTANCES		
RWY 12		RWY 30
3936	TAKE OFF RUN AVAILABLE	3936
3936	TAKE OFF DISTANCE AVAILABLE	3936
3936	ACCELERATE STOP DISTANCE AVAILABLE	3936
3936	LANDING DISTANCE AVAILABLE	3936



HORIZONTAL SCALE

LEGEND

- IDENTIFICATION NUMBER
- POLE, TOWER, SPIRE, ANTENNA, ETC
- TREE
- LEVEE
- RAILROAD
- RIVER
- TRANSMISSION LINE OR OVERHEAD CABLE
- TRIANGLATION POINT
- AERONAUTICAL GROUND LIGHT

AMENDMENT RECORD		
Nr	DATE	ENTERED BY

AERODROME OBSTACLE CHART-ICAO
TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

LEGEND

- AERODROME REFERENCE POINT 38˚08´25˚N 140˚55´01˚E
- POLE, TOWER, SPIRE, ANTENNA, ETC
- AERONAUTICAL GROUND LIGHT
- OBSTRUCTION LIGHT
- BUILDING OR LARGE STRUCTURE
- RAILROAD
- TRIANGLATION POINT
- TRANSMISSION LINE OR OVERHEAD CABLE
- LEVEE
- TREE
- RIVER
- LAKE
- CONTOURS(ft)

AMENDMENT RECORD		
Nr	DATE	ENTERED BY

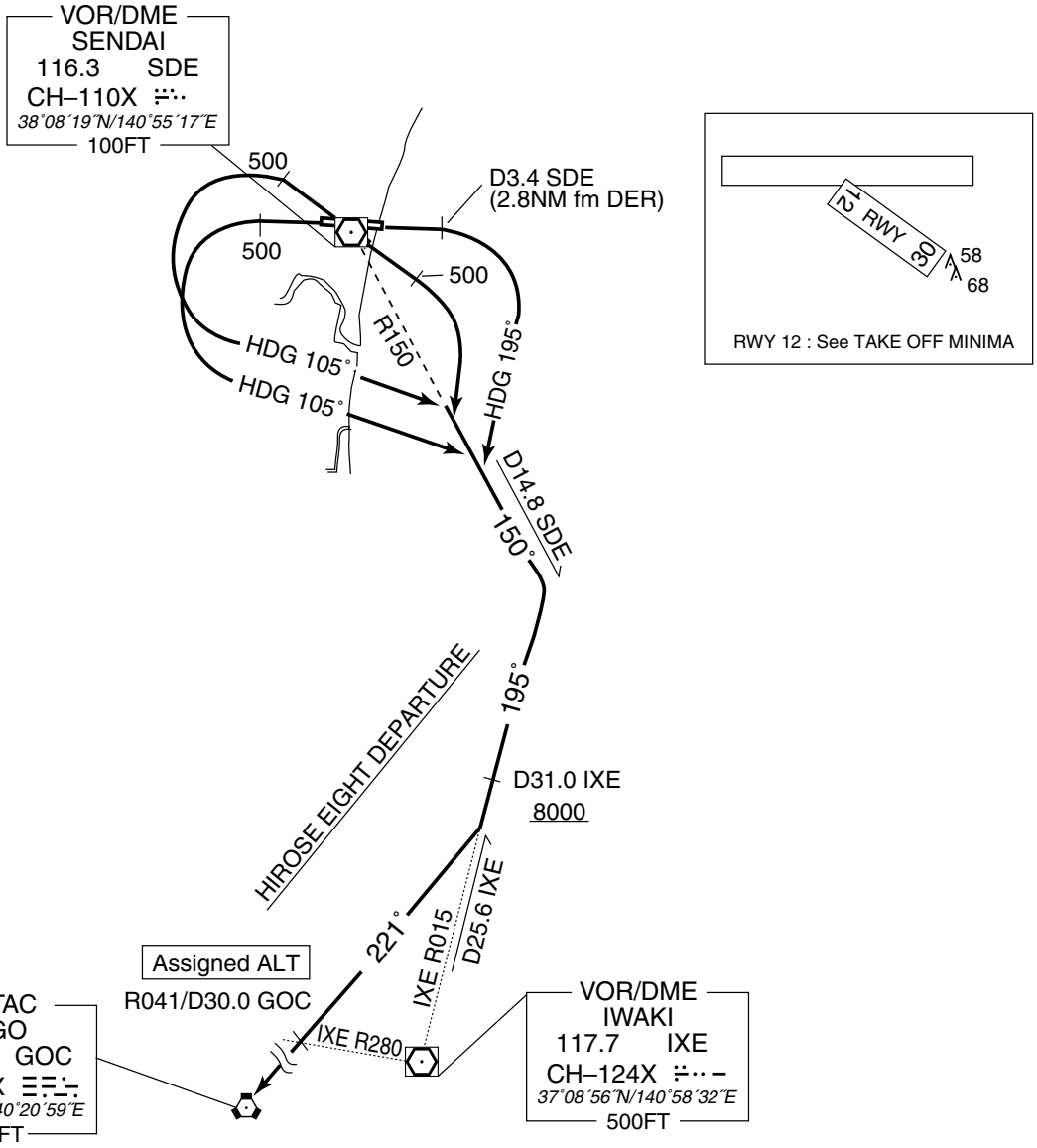
STANDARD DEPARTURE CHART-INSTRUMENT

RJSS / SENDAI SID

HIROSE EIGHT DEPARTURE

RWY 09 : Climb RWY HDG to SDE 3.4DME (2.8NM fm DER), turn right HDG 195˚...
RWY 12 : Climb RWY HDG to 500FT, turn right...
RWY 27 : Climb RWY HDG to 500FT, turn left HDG 105˚...
RWY 30 : Climb RWY HDG to 500FT, turn left HDG 105˚...
...to intercept and proceed via SDE R150, via IXE R015, via GOC R041 to GOC VORTAC.
Cross IXE R015/31.0DME at or above 8000FT, cross GOC R041/30.0DME (IXE R280) 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.



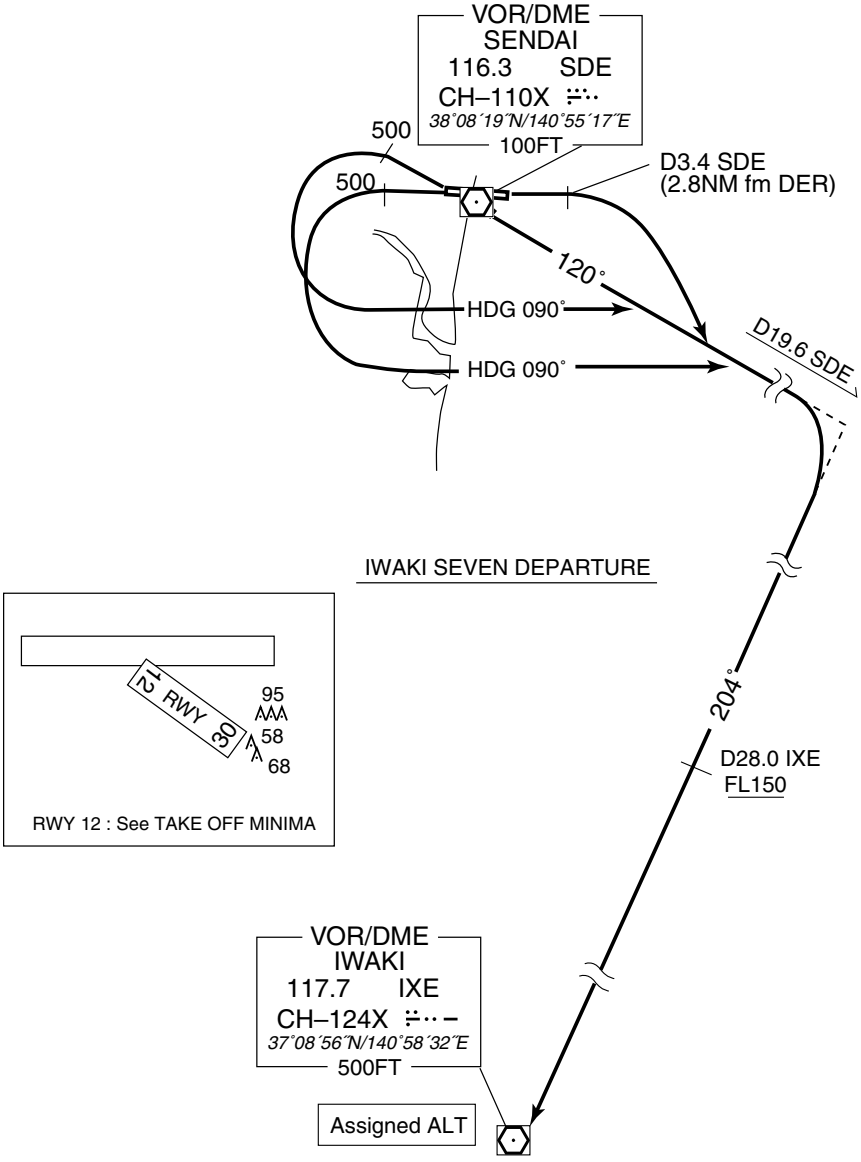
STANDARD DEPARTURE CHART-INSTRUMENT

RJSS / SENDAI SID

IWAKI SEVEN 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 R024/28.0DME 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.



STANDARD DEPARTURE CHART-INSTRUMENT

RJSS / SENDAI SID

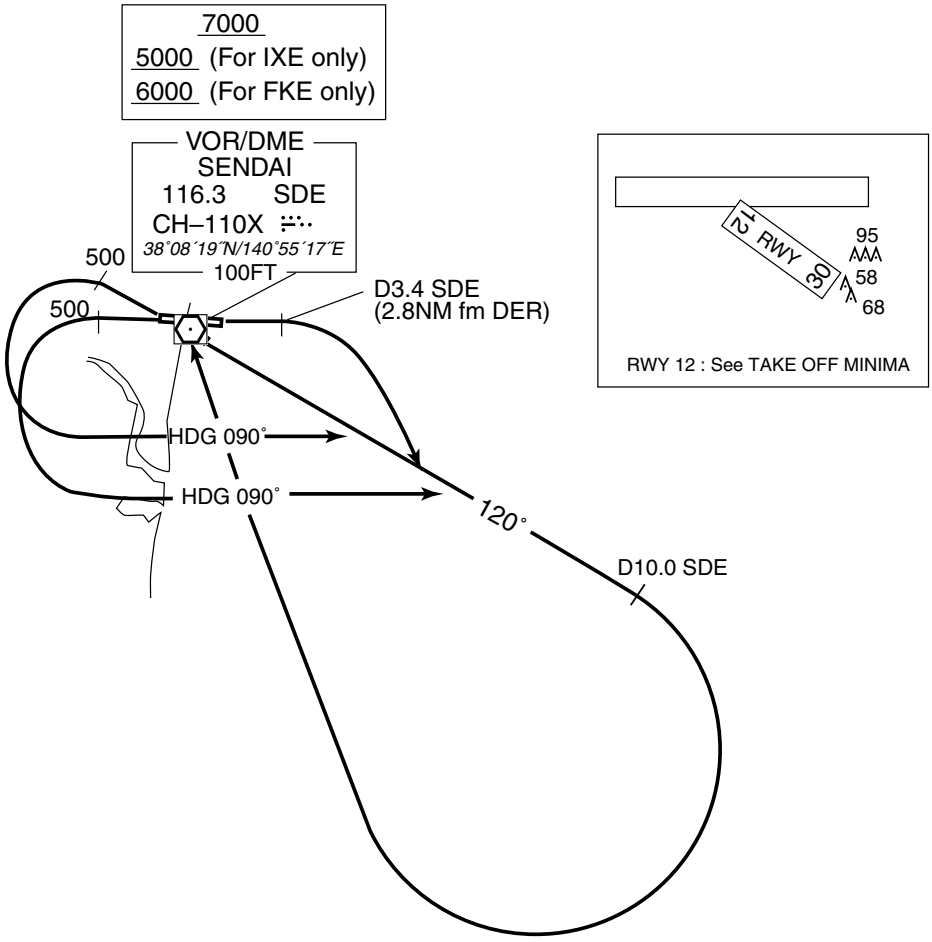
SENDAI REVERSAL SIX DEPARTURE

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



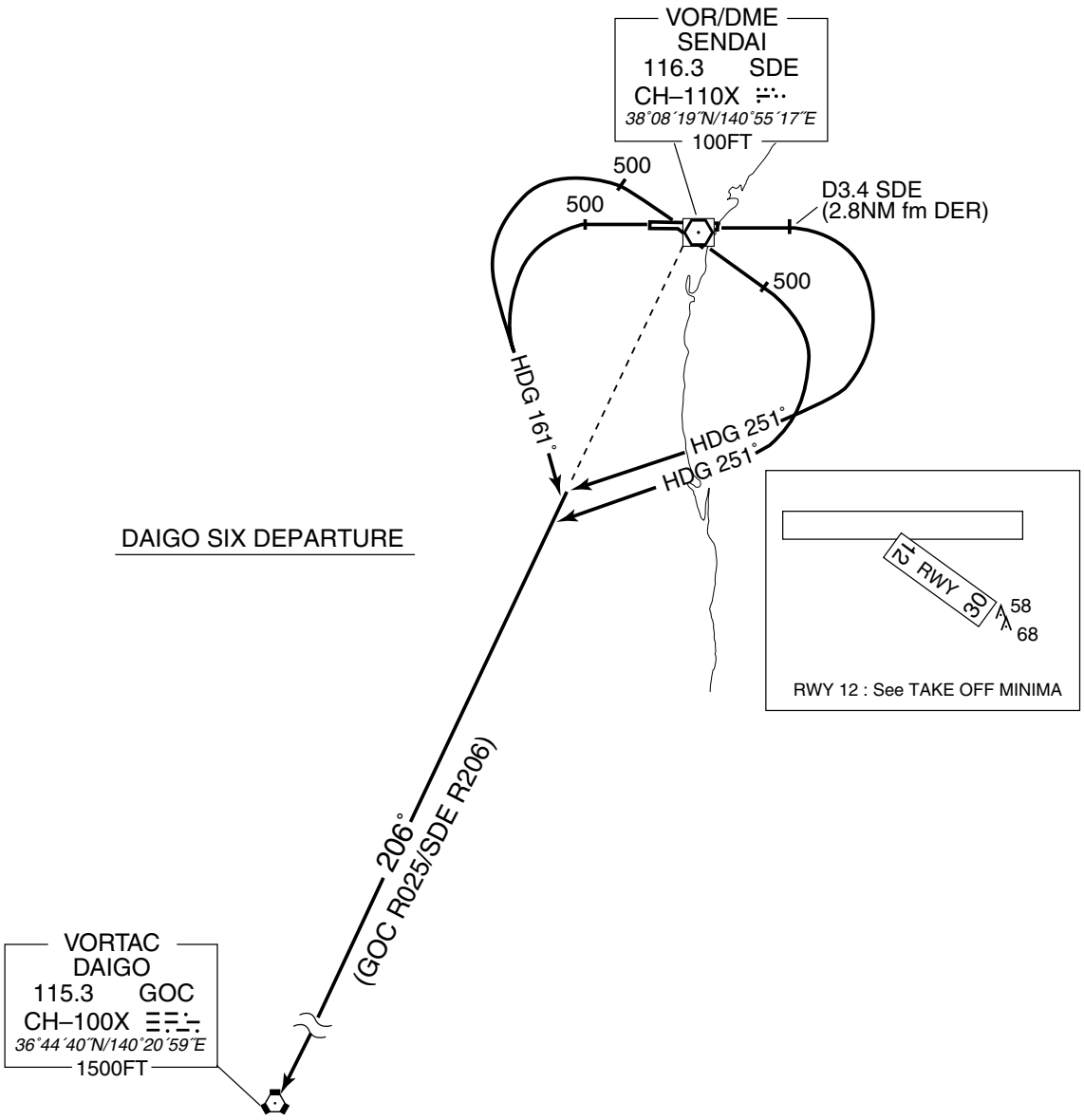
STANDARD DEPARTURE CHART-INSTRUMENT

RJSS / SENDAI SID

DAIGO SIX DEPARTURE

RWY 09 : Climb RWY HDG to SDE 3.4DME (2.8NM fm DER), turn right HDG 251˚...
RWY 12 : Climb RWY HDG to 500FT, turn right HDG 251˚...
RWY 27 : Climb RWY HDG to 500FT, turn left HDG 161˚...
RWY 30 : Climb RWY HDG to 500FT, turn left HDG 161˚...
...to intercept and proceed via SDE R206/GOC R025 to GOC VORTAC.

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.



STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

DERBY TWO RNAV 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.

DME GAP

RWY09 09DER – 8.0NM to ANEMO
3.0NM to ANEMO – 5.0NM to EBOSI
RWY27 27DER – 5.0NM to EBOSI
NIIGATA TRANSITION
3.0NM to GTC – GTC

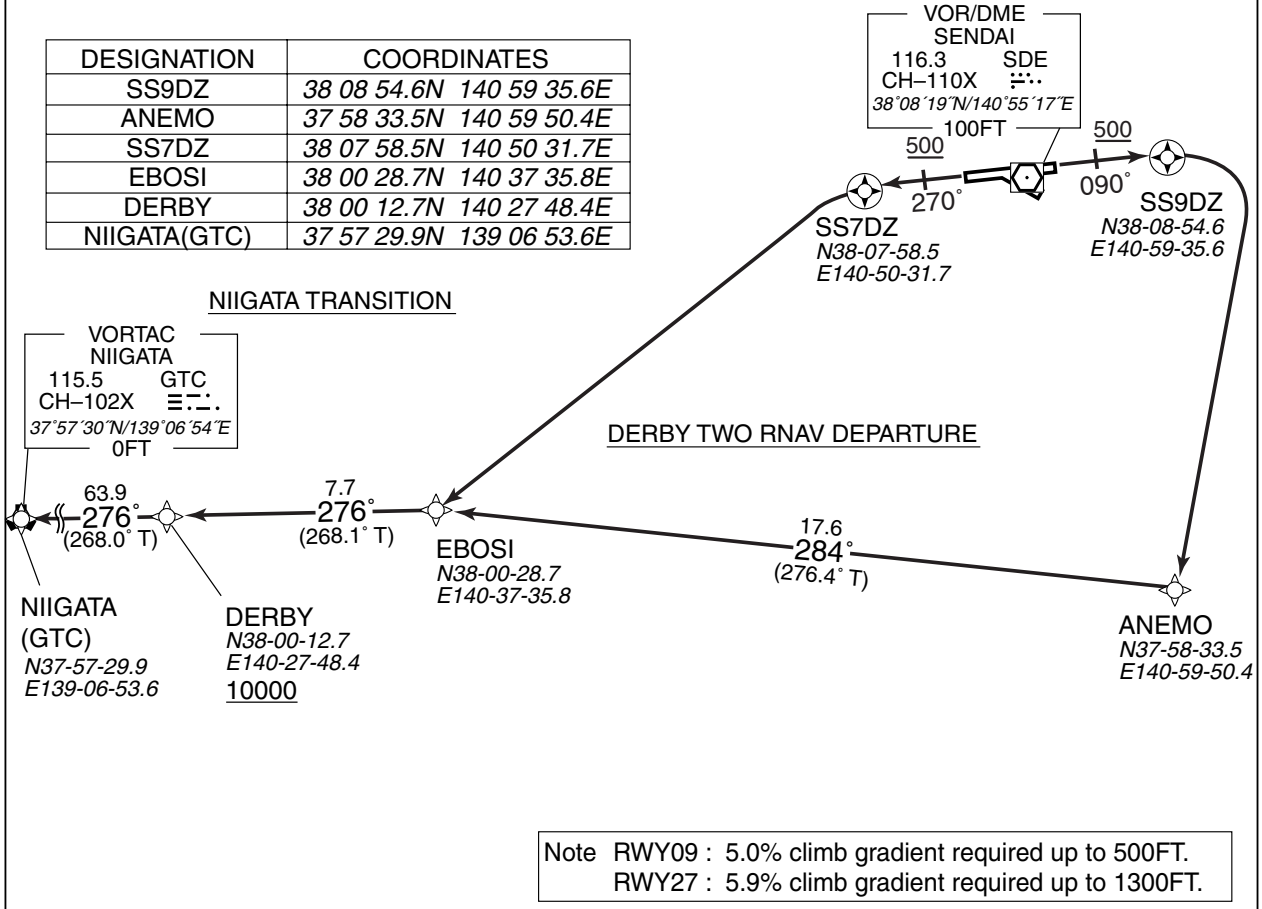
Inappropriate Navaids

See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

Critical DME

RWY09 SDE : 8.0NM to ANEMO – 3.0NM to ANEMO
5.0NM to EBOSI – EBOSI
IXE : 8.0NM to ANEMO – 3.0NM to ANEMO
HPE : 5.0NM to EBOSI – 2.0NM to EBOSI
RWY27 SDE : 5.0NM to EBOSI – EBOSI
HPE : 5.0NM to EBOSI – 2.0NM to EBOSI
NIIGATA TRANSITION
SDE : DERBY – 58.0NM to GTC
YTE : 42.0NM to GTC – 28.0NM to GTC
12.0NM to GTC – 3.0NM to GTC
ATD : 18.0NM to GTC – 3.0NM to GTC

DESIGNATION	COORDINATES
SS9DZ	*38 08 54.6N 140 59 35.6E*
ANEMO	*37 58 33.5N 140 59 50.4E*
SS7DZ	*38 07 58.5N 140 50 31.7E*
EBOSI	*38 00 28.7N 140 37 35.8E*
DERBY	*38 00 12.7N 140 27 48.4E*
NIIGATA(GTC)	*37 57 29.9N 139 06 53.6E*



Note RWY09 : 5.0% climb gradient required up to 500FT.
RWY27 : 5.9% climb gradient required up to 1300FT.

DERBY TWO RNAV DEPARTURE

RWY09 : Climb on HDG090˚ at or above 500FT, direct to SS9DZ, turn right direct to ANEMO, to EBOSI, to DERBY at or above 10000FT.

RWY27 : Climb on HDG270˚ at or above 500FT, direct to SS7DZ, turn left direct to EBOSI, to DERBY at or above 10000FT.

NIIGATA TRANSITION

From DERBY at or above 10000FT, to NIIGATA(GTC).

Note RWY09: 5.0% climb gradient required up to 500FT.
OBST ALT 62FT located at 0.2NM 102˚ FM end of RWY09.
RWY27: 5.9% climb gradient required up to 1300FT.
OBST ALT 1181FT located at 4.6NM 284˚ FM end of RWY27.

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

DERBY TWO RNAV DEPARTURE

RWY09

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	090° (082.5°)	—	500	—	—	RNAV1
DF	SS9DZ	Y	—	—	—	—	—	—	RNAV1
DF	ANEMO	—	—	—	R	—	—	—	RNAV1
TF	EBOSI	—	17.6	284° (276.4°)	—	—	—	—	RNAV1
TF	DERBY	—	7.7	276° (268.1°)	—	+10000	—	—	RNAV1

RWY27

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	270° (262.5°)	—	500	—	—	RNAV1
DF	SS7DZ	Y	—	—	—	—	—	—	RNAV1
DF	EBOSI	—	—	—	L	—	—	—	RNAV1
TF	DERBY	—	7.7	276° (268.1°)	—	+10000	—	—	RNAV1

NIIGATA TRANSITION

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	DERBY	—	—	—	—	+10000	—	—	RNAV1
TF	NIIGATA (GTC)	—	63.9	276° (268.0°)	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI — RNAV SID and TRANSITION

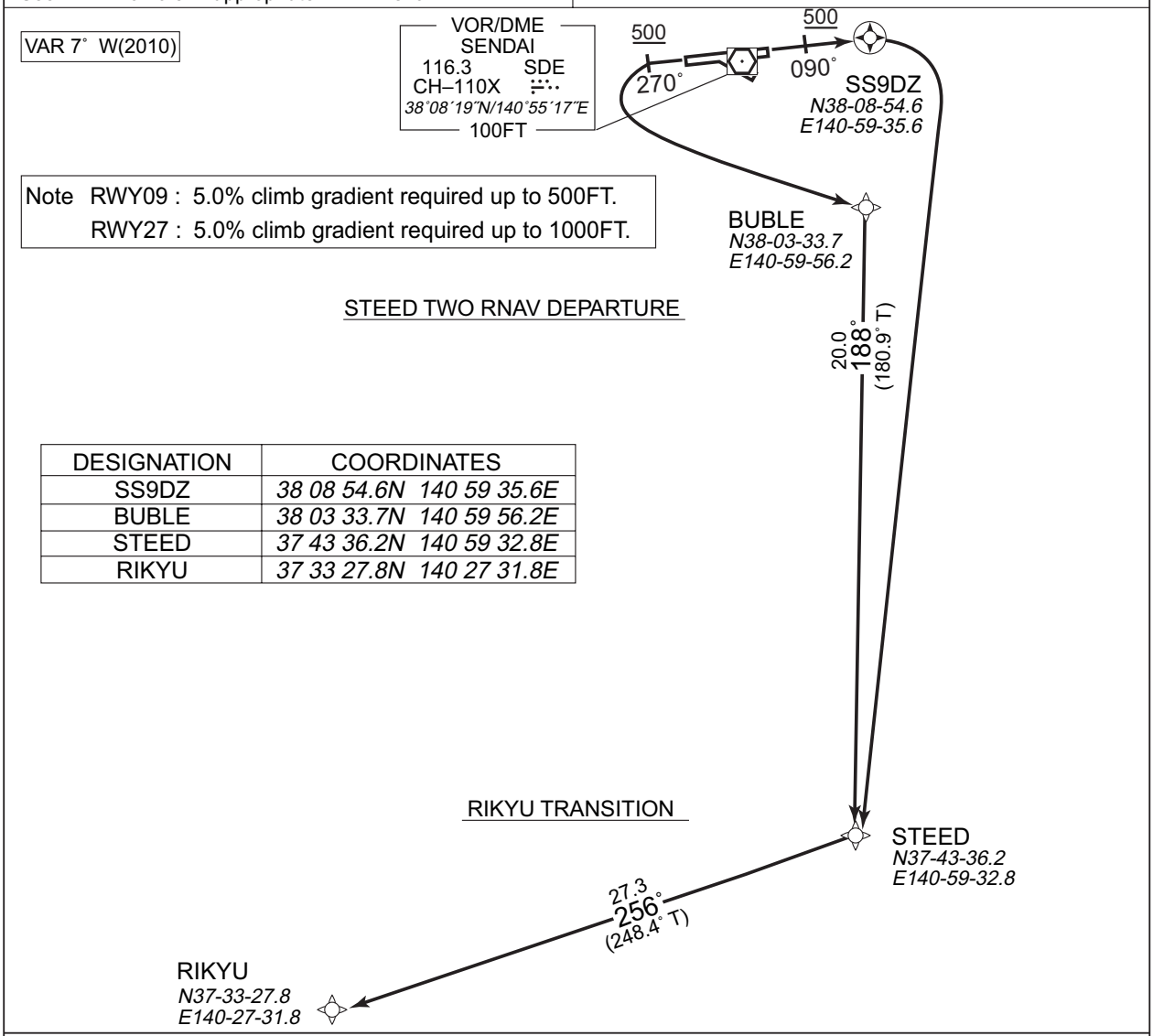
STEED TWO RNAV DEPARTURE — RNAV 1

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 rolling.
2) RADAR service required.

DME GAP
RWY09 09DER – 23.0NM to STEED
18.0NM to STEED – 4.0NM to STEED
RWY27 27DER – 2.0NM to BUBLE
18.0NM to STEED – 4.0NM to STEED

Critical DME
RWY09 SDE : 23.0NM to STEED – 18.0NM to STEED
4.0NM to STEED – STEED
IXE : 23.0NM to STEED – 18.0NM to STEED
GOC : 4.0NM to STEED – STEED
RWY27 SDE : 2.0NM to BUBLE – 18.0NM to STEED
4.0NM to STEED – STEED
IXE : 2.0NM to BUBLE – 18.0NM to STEED
GOC : 4.0NM to STEED – STEED

Inappropriate Navaids
See AD 1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.



DESIGNATION	COORDINATES
SS9DZ	*38 08 54.6N 140 59 35.6E*
BUBLE	*38 03 33.7N 140 59 56.2E*
STEED	*37 43 36.2N 140 59 32.8E*
RIKYU	*37 33 27.8N 140 27 31.8E*

STEED TWO RNAV DEPARTURE
RWY09 : Climb on HDG090° at or above 500FT, direct to SS9DZ, turn right direct to STEED.
RWY27 : Climb on HDG270° at or above 500FT, turn left direct to BUBLE, to STEED.

RIKYU TRANSITION
From STEED, to RIKYU.

Note RWY09: 5.0% climb gradient required up to 500FT.
OBST ALT 62FT located at 0.2NM 102° FM end of RWY09.
Note 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 and TRANSITION

STEED TWO RNAV DEPARTURE

RWY09

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	090° (082.5°)	—	500	—	—	RNAV1
DF	SS9DZ	Y	—	—	—	—	—	—	RNAV1
DF	STEED	—	—	—	R	—	—	—	RNAV1

RWY27

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	270° (262.5°)	—	500	—	—	RNAV1
DF	BUBLE	—	—	—	L	—	—	—	RNAV1
TF	STEED	—	20.0	188° (180.9°)	—	—	—	—	RNAV1

RIKYU TRANSITION

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	STEED	—	—	—	—	—	—	—	RNAV1
TF	RIKYU	—	27.3	256° (248.4°)	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

CUBIC TWO RNAV 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.

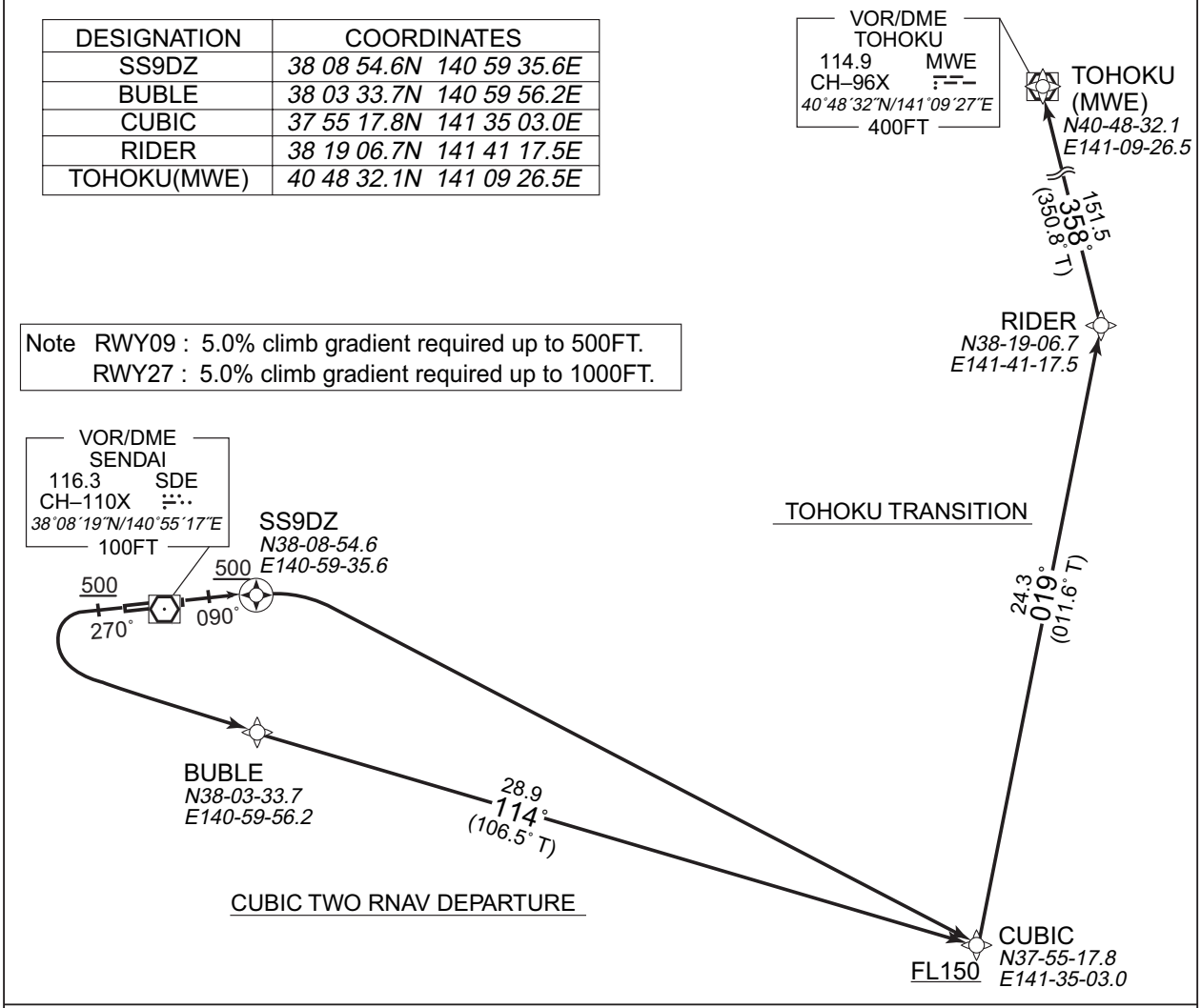
DME GAP
RWY09 09DER – 29.0NM to CUBIC
RWY27 27DER – 2.0NM to BUBLE

Inappropriate Navaids
See AD 1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

Critical DME
RWY09 SDE, IXE : 29.0NM to CUBIC – CUBIC
RWY27 SDE : 2.0NM to BUBLE – 16.0NM to CUBIC
IXE : 2.0NM to BUBLE – 22.0NM to CUBIC
TOHOKU TRANSITION
HPE : 133.0NM to MWE – 110.0NM to MWE
MQE : 45.0NM to MWE – 32.0NM to MWE

DESIGNATION	COORDINATES
SS9DZ	*38 08 54.6N 140 59 35.6E*
BUBLE	*38 03 33.7N 140 59 56.2E*
CUBIC	*37 55 17.8N 141 35 03.0E*
RIDER	*38 19 06.7N 141 41 17.5E*
TOHOKU(MWE)	*40 48 32.1N 141 09 26.5E*

Note RWY09 : 5.0% climb gradient required up to 500FT.
RWY27 : 5.0% climb gradient required up to 1000FT.



CUBIC TWO RNAV DEPARTURE

RWY09 : Climb on HDG090˚ at or above 500FT, direct to SS9DZ, 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.

TOHOKU TRANSITION

From CUBIC at or above FL150, to RIDER, to TOHOKU(MWE).

Note RWY09: 5.0% climb gradient required up to 500FT.
OBST ALT 62FT located at 0.2NM 102˚ FM end of RWY09.
Note 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 and TRANSITION

CUBIC TWO RNAV DEPARTURE

RWY09

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	090° (082.5°)	—	500	—	—	RNAV1
DF	SS9DZ	Y	—	—	—	—	—	—	RNAV1
DF	CUBIC	—	—	—	R	+FL150	—	—	RNAV1

RWY27

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	270° (262.5°)	—	500	—	—	RNAV1
DF	BUBLE	—	—	—	L	—	—	—	RNAV1
TF	CUBIC	—	28.9	114° (106.5°)	—	+FL150	—	—	RNAV1

TOHOKU TRANSITION

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	CUBIC	—	—	—	—	+FL150	—	—	RNAV1
TF	RIDER	—	24.3	019° (011.6°)	—	—	—	—	RNAV1
TF	TOHOKU (MWE)	—	151.5	358° (350.8°)	—	—	—	—	RNAV1

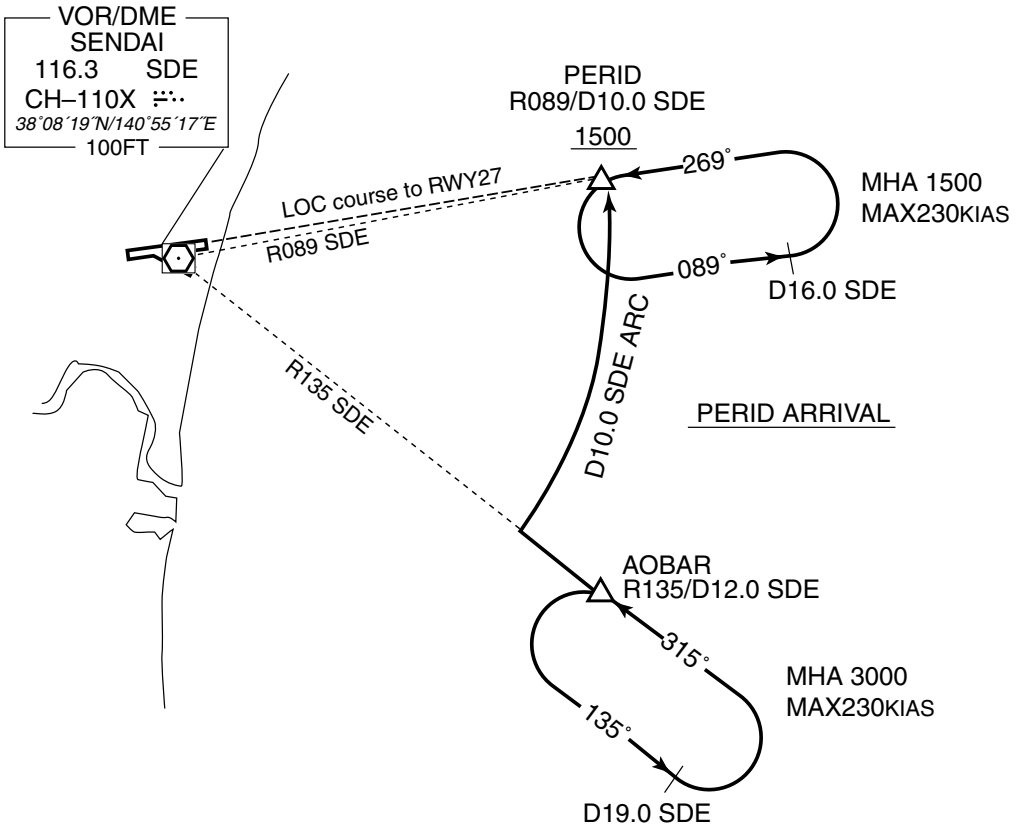
STANDARD ARRIVAL CHART-INSTRUMENT

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.

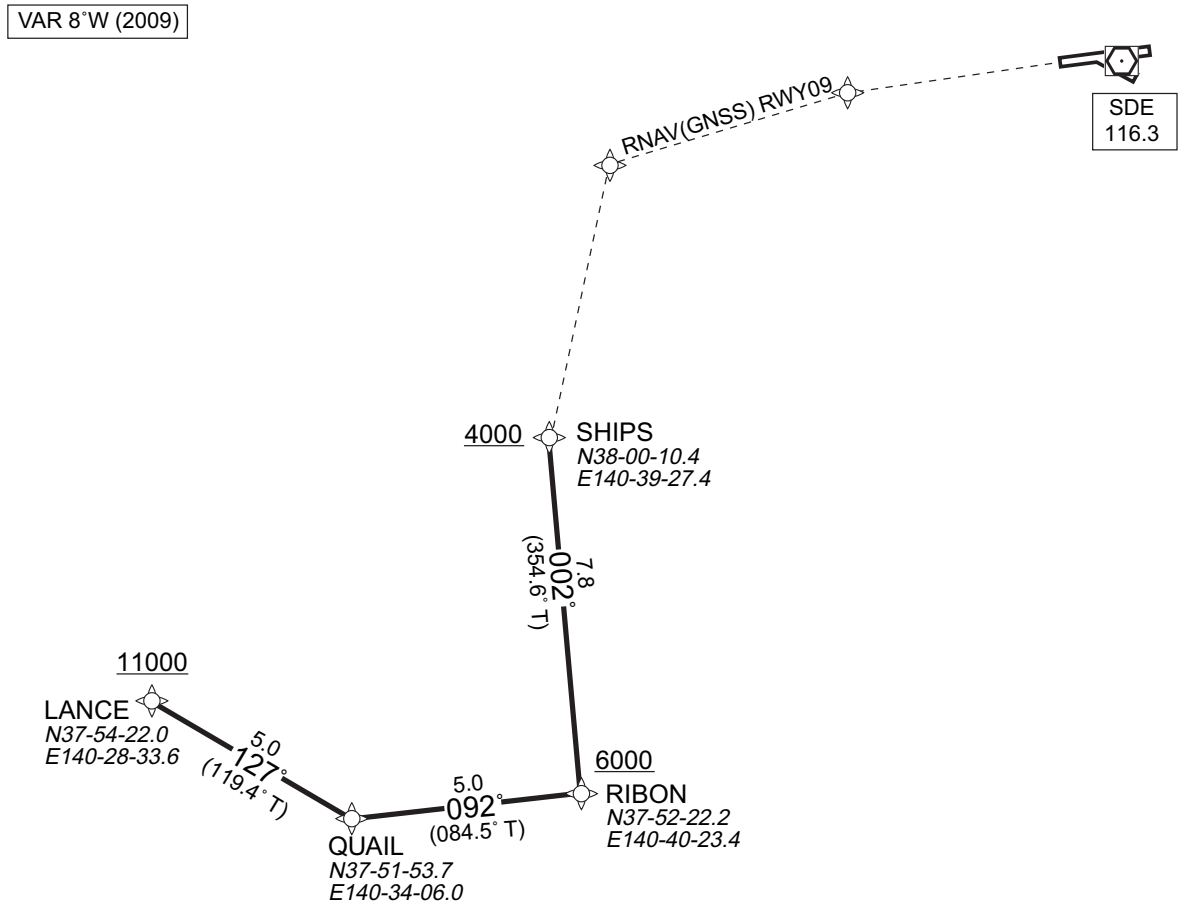


STANDARD ARRIVAL CHART - INSTRUMENT

RJSS / SENDAI ➡ RNAV STAR

LANCE WEST RNAV ARRIVAL	RNAV 1

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



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

	DESIGNATION	COORDINATES
FIX	LANCE	*37 54 22.0N 140 28 33.6E*
	QUAIL	*37 51 53.7N 140 34 06.0E*
	RIBON	*37 52 22.2N 140 40 23.4E*
	SHIPS	*38 00 10.4N 140 39 27.4E*
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 AD 1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.	

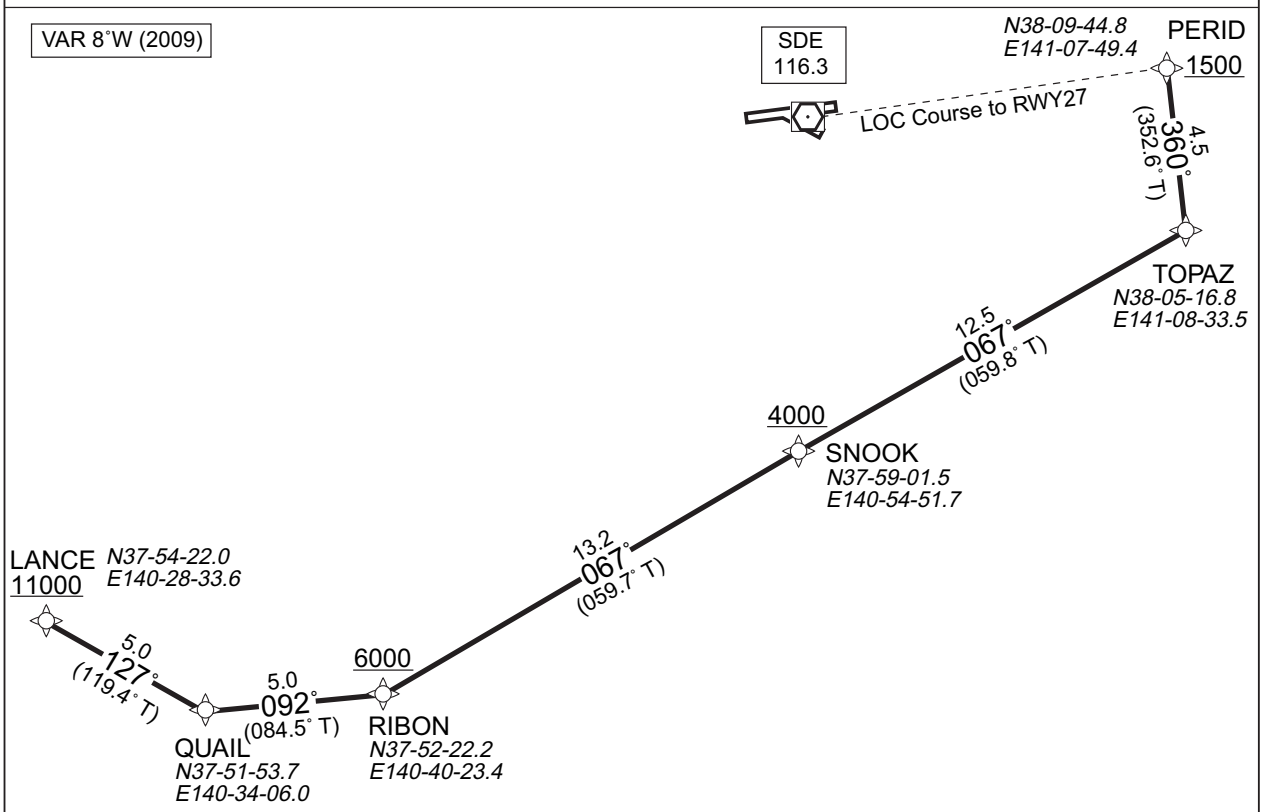
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	LANCE	—	—	—	—	+11000	—	—	RNAV1
TF	QUAIL	—	5.0	127˚ (119.4˚)	—	—	—	—	RNAV1
TF	RIBON	—	5.0	092˚ (084.5˚)	—	+6000	—	—	RNAV1
TF	SHIPS	—	7.8	002˚ (354.6˚)	—	+4000	—	—	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJSS / SENDAI ➡ RNAV STAR

LANCE EAST RNAV ARRIVAL	RNAV 1

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



From LANCE at or above 11000FT, to QUAIL, to RIBON at or above 6000FT, to SNOOK at or above 4000FT, to TOPAZ, to PREID at or above 1500FT.

	DESIGNATION	COORDINATES
FIX	LANCE	*37 54 22.0N 140 28 33.6E*
	QUAIL	*37 51 53.7N 140 34 06.0E*
	RIBON	*37 52 22.2N 140 40 23.4E*
	SNOOK	*37 59 01.5N 140 54 51.7E*
	TOPAZ	*38 05 16.8N 141 08 33.5E*
	PERID	*38 09 44.8N 141 07 49.4E*
Critical DME	SDE : 2.0NM to QUAIL – QUAIL 10.0NM to TOPAZ – PERID HPE : 1.0NM to QUAIL – QUAIL IXE : 4.0NM to SNOOK – 12.0NM to TOPAZ MXT : 4.0NM to SNOOK – 8.0NM to TOPAZ	
DME GAP	QUAIL – 4.0NM to SNOOK	
Inappropriate Navaids	See AD 1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.	

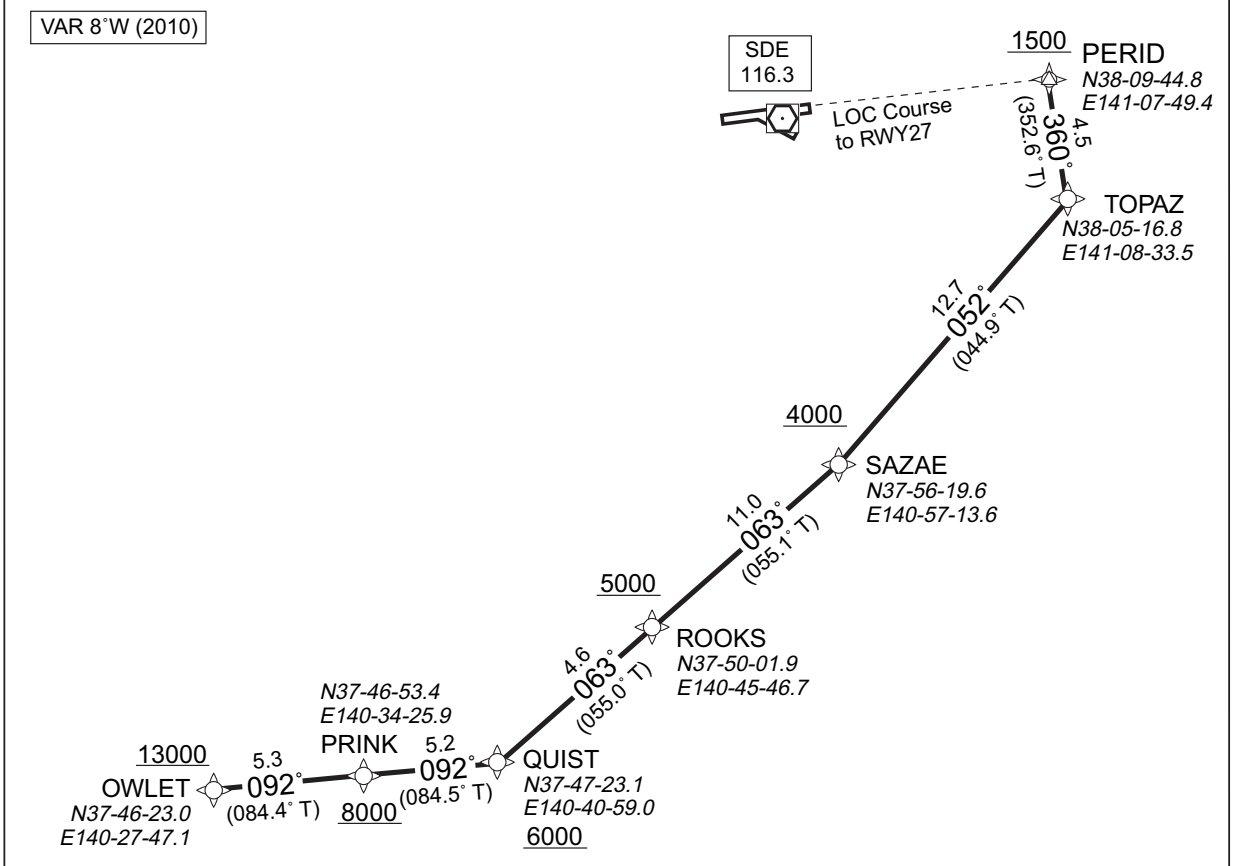
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	LANCE	—	—	—	—	+11000	—	—	RNAV1
TF	QUAIL	—	5.0	127˚ (119.4˚)	—	—	—	—	RNAV1
TF	RIBON	—	5.0	092˚ (084.5˚)	—	+6000	—	—	RNAV1
TF	SNOOK	—	13.2	067˚ (059.7˚)	—	+4000	—	—	RNAV1
TF	TOPAZ	—	12.5	067˚ (059.8˚)	—	—	—	—	RNAV1
TF	PERID	—	4.5	360˚ (352.6˚)	—	+1500	—	—	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJSS / SENDAI — RNAV STAR

OWLET EAST RNAV ARRIVAL	RNAV 1

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



From OWLET at or above 13000FT, to PRINK at or above 8000FT, to QUIST at or above 6000FT, to ROOKS at or above 5000FT, to SAZAE at or above 4000FT, to TOPAZ, to PERID at or above 1500FT.

	DESIGNATION	COORDINATES		
FIX	OWLET	*37 46 23.0N*	*140 27 47.1E*	
	PRINK	*37 46 53.4N*	*140 34 25.9E*	
	QUIST	*37 47 23.1N*	*140 40 59.0E*	
	ROOKS	*37 50 01.9N*	*140 45 46.7E*	
	SAZAE	*37 56 19.6N*	*140 57 13.6E*	
	TOPAZ	*38 05 16.8N*	*141 08 33.5E*	
	PERID	*38 09 44.8N*	*141 07 49.4E*	

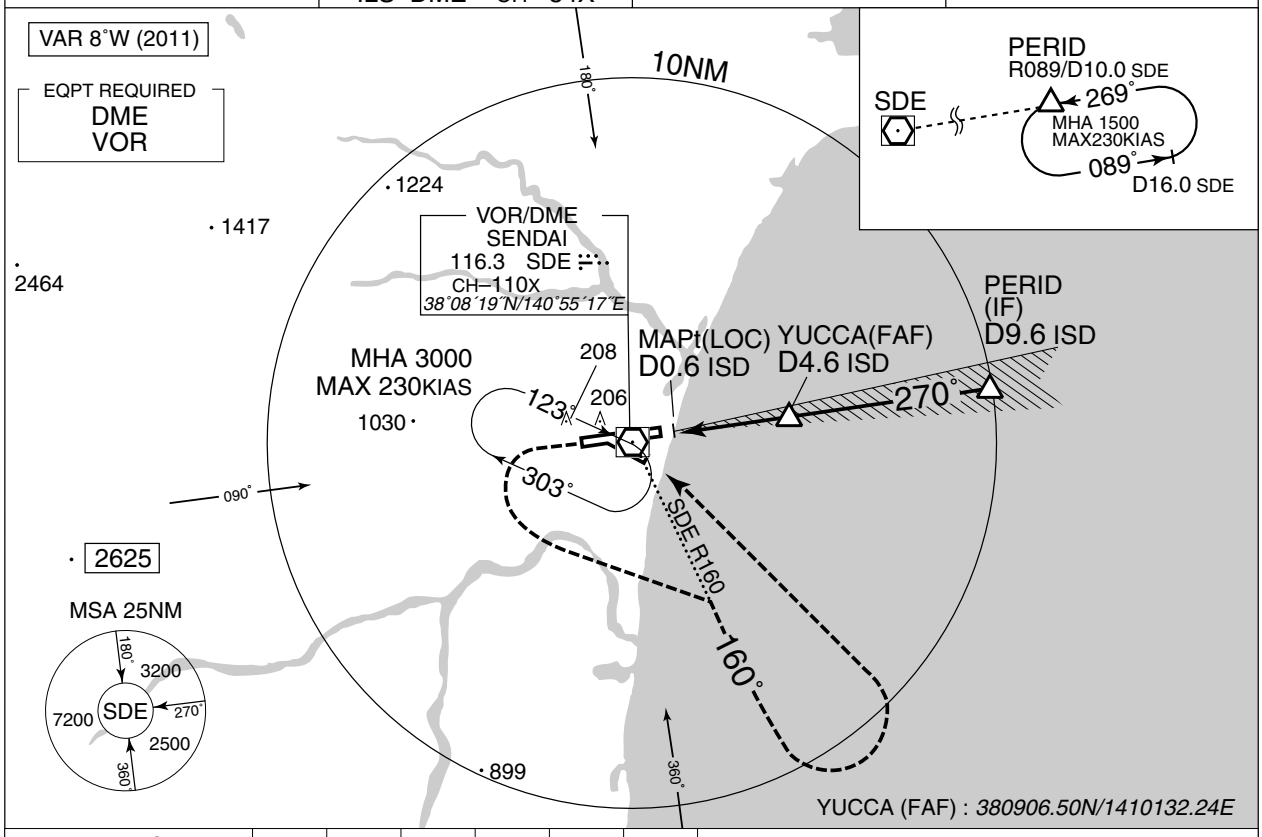
Critical DME	IXE : 2.0NM to PRINK – 5.0NM to ROOKS ROOKS – 2.0NM to SAZAE SDE : SAZAE – PERID MXT : ROOKS – 2.0NM to SAZAE SAZAE – 9.0NM to TOPAZ
DME GAP	1.0NM to PRINK– ROOKS 2.0NM to SAZAE – SAZAE
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	OWLET	—	—	—	—	+13000	—	—	RNAV1
TF	PRINK	—	5.3	092˚ (084.4˚)	—	+8000	—	—	RNAV1
TF	QUIST	—	5.2	092˚ (084.5˚)	—	+6000	—	—	RNAV1
TF	ROOKS	—	4.6	063˚ (055.0˚)	—	+5000	—	—	RNAV1
TF	SAZAE	—	11.0	063˚ (055.1˚)	—	+4000	—	—	RNAV1
TF	TOPAZ	—	12.7	052˚ (044.9˚)	—	—	—	—	RNAV1
TF	PERID	—	4.5	360˚ (352.6˚)	—	+1500	—	—	RNAV1

INSTRUMENT APPROACH CHART

RJSS / SENDAI — ILS Z or LOC Z RWY27

SENDAI APP	ILS – LOC	SENDAI TWR	RADAR AVBL
120.4 – 261.2 – 362.3	111.7 ISD ILS–GP 333.5 ILS–DME CH –54X	118.7 – 126.2 – 121.5	ATIS 126.45

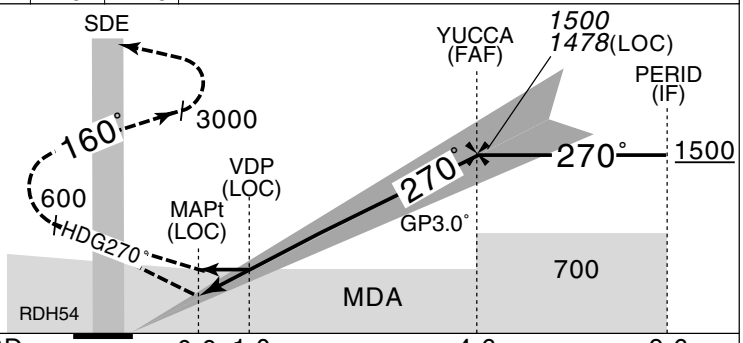


NM to ISD	MAPt	1	2	3	4	FAF
ALT (3.0˚ APCH Path)	–	326	645	964	1281	1478

MISSED APPROACH

Climb to 600FT on HDG270˚,
turn left, via SDE R160 to 3000FT,
turn left, direct to SDE
VOR/DME and hold.
Contact SENDAI APP.

Timing not authorized for defining the MAPt.



DME to ISD	0.6	1.0	4.6	9.6
NM to THR	0	0.5	0.8	4.4	9.4

Missed APCH climb gradient MNM 4.0%.

MINIMA THR elev. 15 AD elev. 6

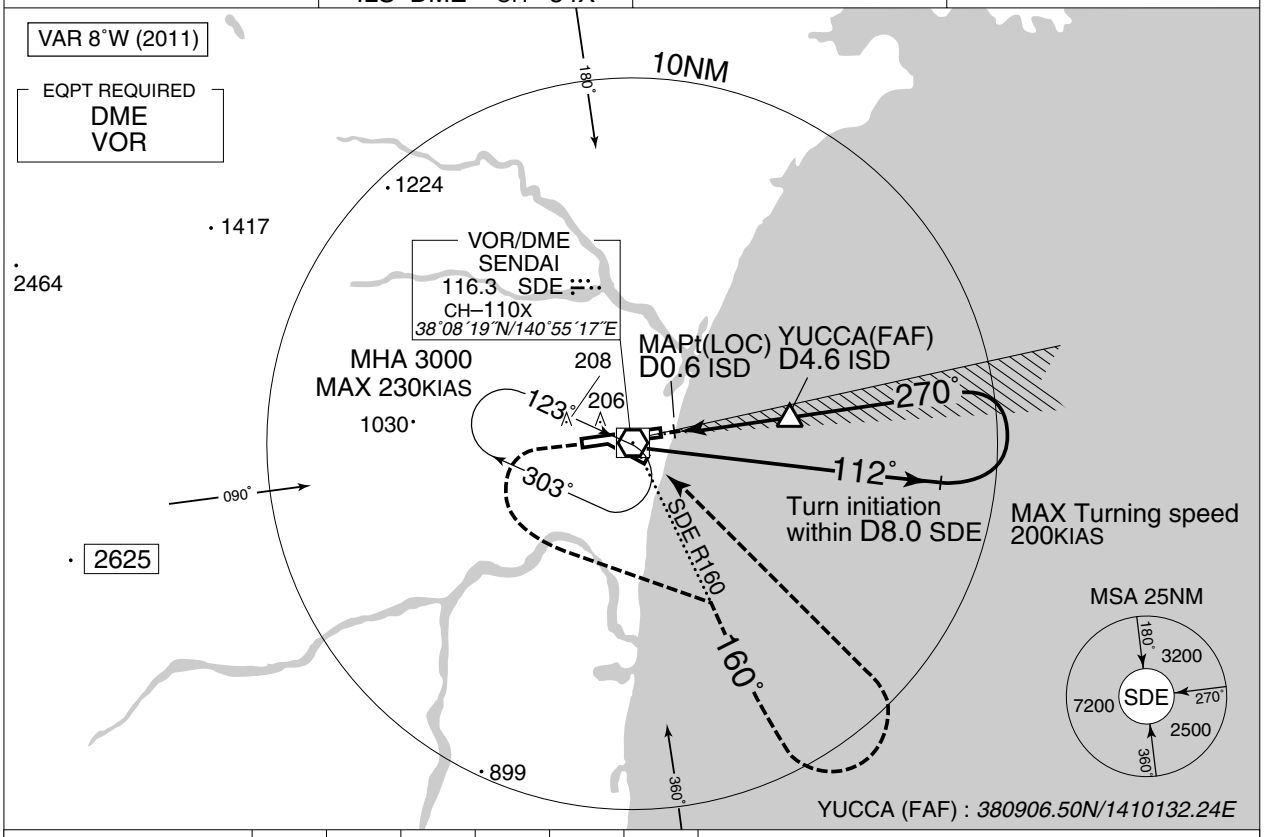
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	215 (200)	550	320 (314)	900	530 (524)	1600
B				1000		
C						2400
D				1400	560 (554)	3200

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

INSTRUMENT APPROACH CHART

RJSS / SENDAI — ILS Y or LOC Y RWY27

SENDAI APP	ILS – LOC	SENDAI TWR	RADAR AVBL
120.4 – 261.2 – 362.3	111.7 ISD ⠿⠶ ILS–GP 333.5 ILS–DME CH –54X	118.7 – 126.2 – 121.5	ATIS 126.45

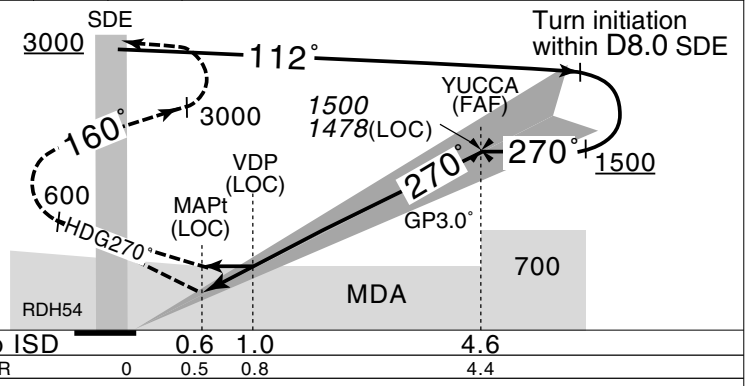


NM to ISD	MAPt	1	2	3	4	FAF
ALT (3.0˚ APCH Path)	–	326	645	964	1281	1478

MISSED APPROACH

Climb to 600FT on HDG270˚,
turn left, via SDE R160 to 3000FT,
turn left, direct to SDE
VOR/DME and hold.
Contact SENDAI APP.

Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 4.0%.

MINIMA THR elev. 15 AD elev. 6

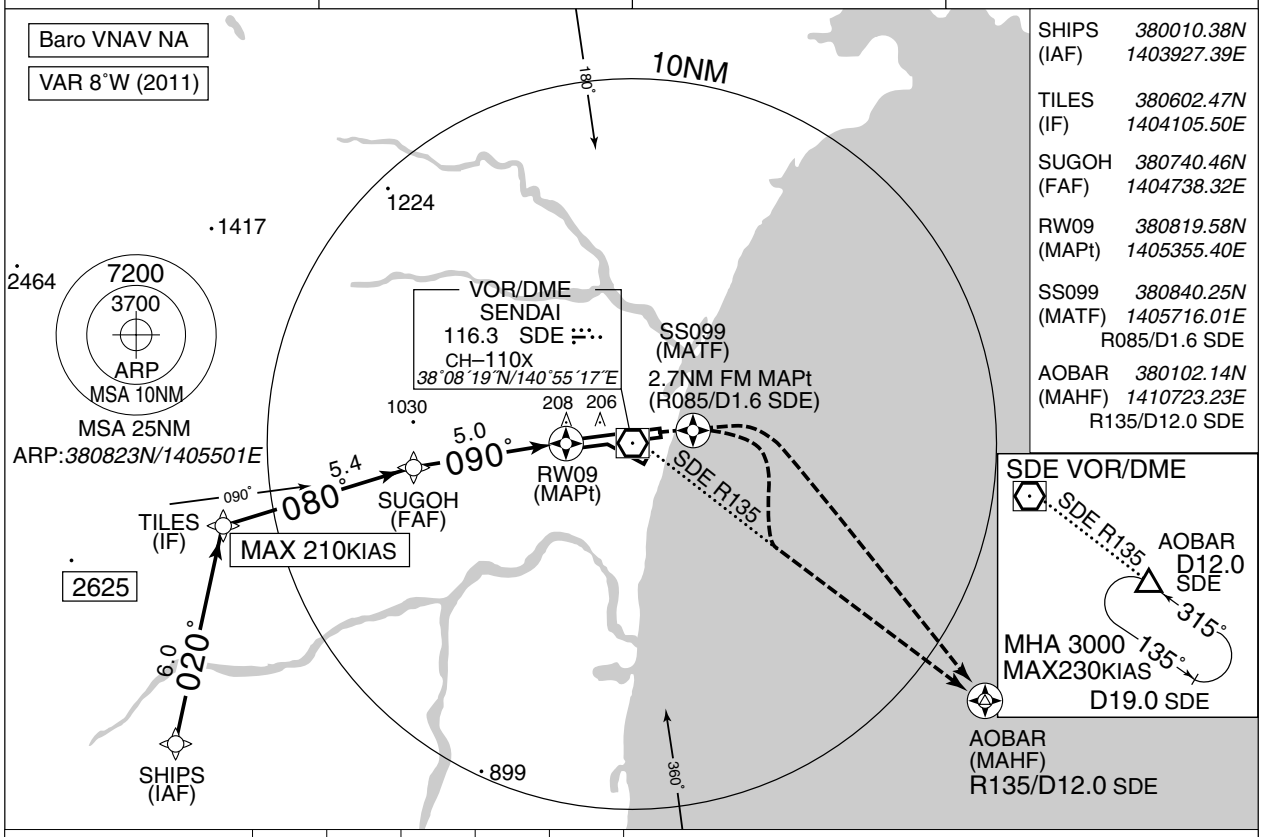
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	215 (200)	550	320 (314)	900	530 (524)	1600
B				1000		
C						2400
D				1400	560 (554)	3200

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

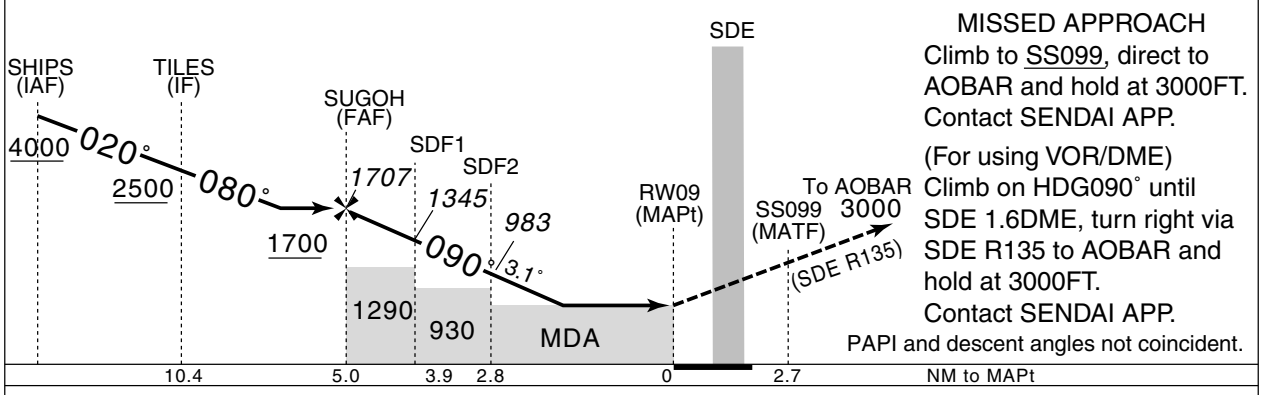
INSTRUMENT APPROACH CHART

RJSS / SENDAI — RNAV(GNSS) RWY09

SENDAI APP		SENDAI TWR	RADAR AVBL
120.4 – 261.2 – 362.3	1. DME/DME not authorized. 2. RADAR service required.	118.7 – 126.2 – 121.5	ATIS 126.45



NM to Next Fix	FAF	4	3	2	MAPt
ALT (3.1˚ APCH Path)	1707	1378	1049	720	–



MISSED APPROACH
Climb to SS099, direct to AOBAR and hold at 3000FT.
Contact SENDAI APP.

(For using VOR/DME)
Climb on HDG090˚ until SDE 1.6DME, turn right via SDE R135 to AOBAR and hold at 3000FT.
Contact SENDAI APP.

PAPI and descent angles not coincident.

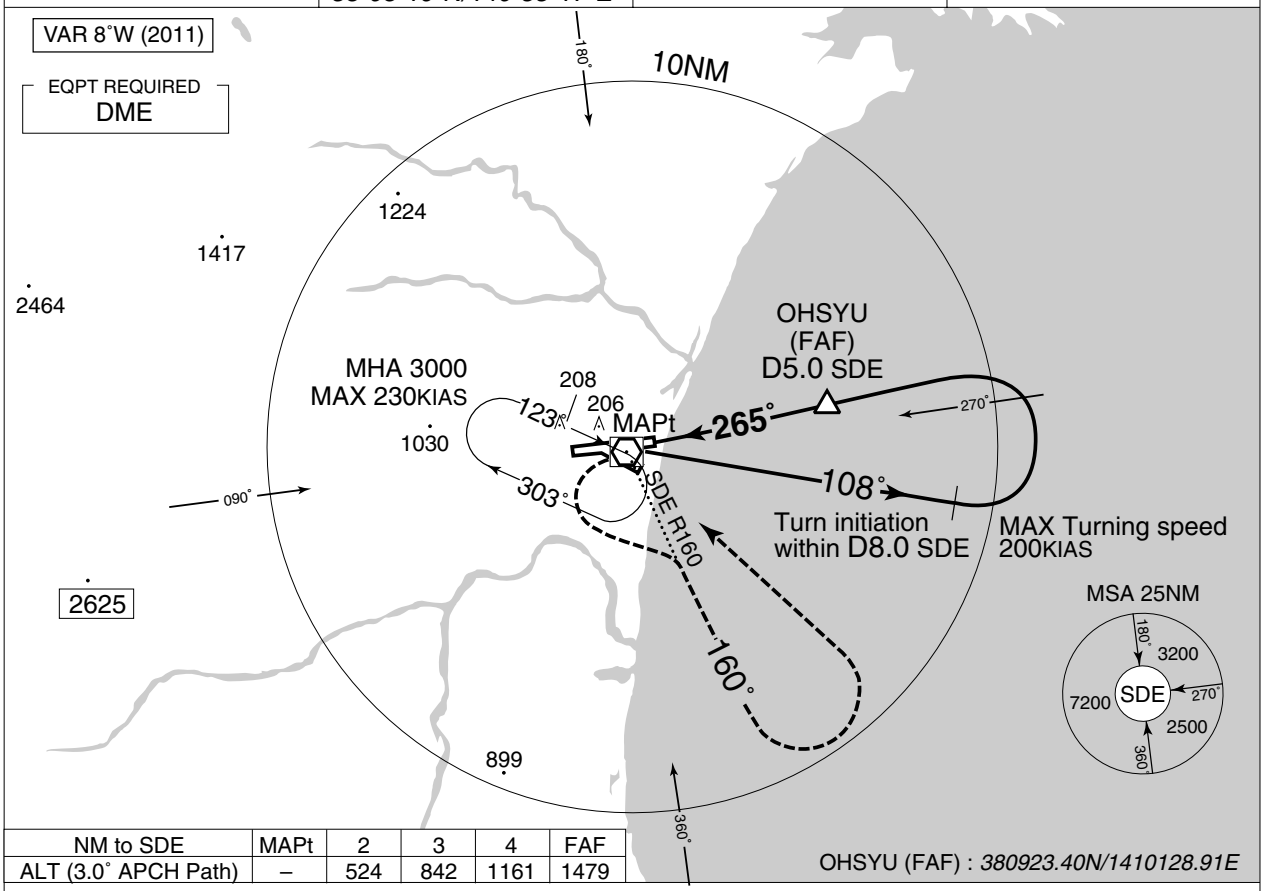
MINIMA — THR elev. 11 — AD elev. 6

CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	–	–	580 (574)	1400	580 (574)	1600
B				1500		
C				1600		2400
D				1800		3200

INSTRUMENT APPROACH CHART

RJSS / SENDAI — VOR RWY27

SENDAI APP	SENDAI VOR / DME 116.3 SDE CH–110X 38˚08´19˝N/140˚55´17˝E	SENDAI TWR	RADAR AVBL
120.4 –261.2 –362.3		118.7 –126.2 –121.5	ATIS 126.45

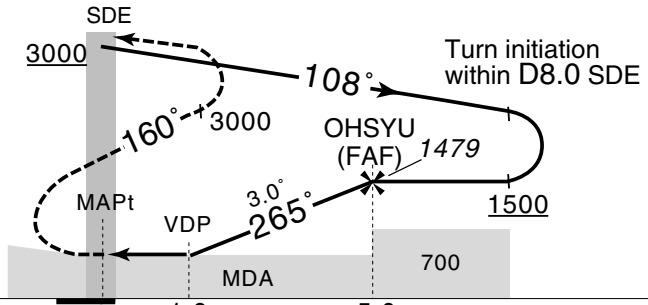


NM to SDE	MAPt	2	3	4	FAF
ALT (3.0˚ APCH Path)	–	524	842	1161	1479

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.

DME to SDE	0	1.6	5.0
NM to THR	0	1.1	4.4

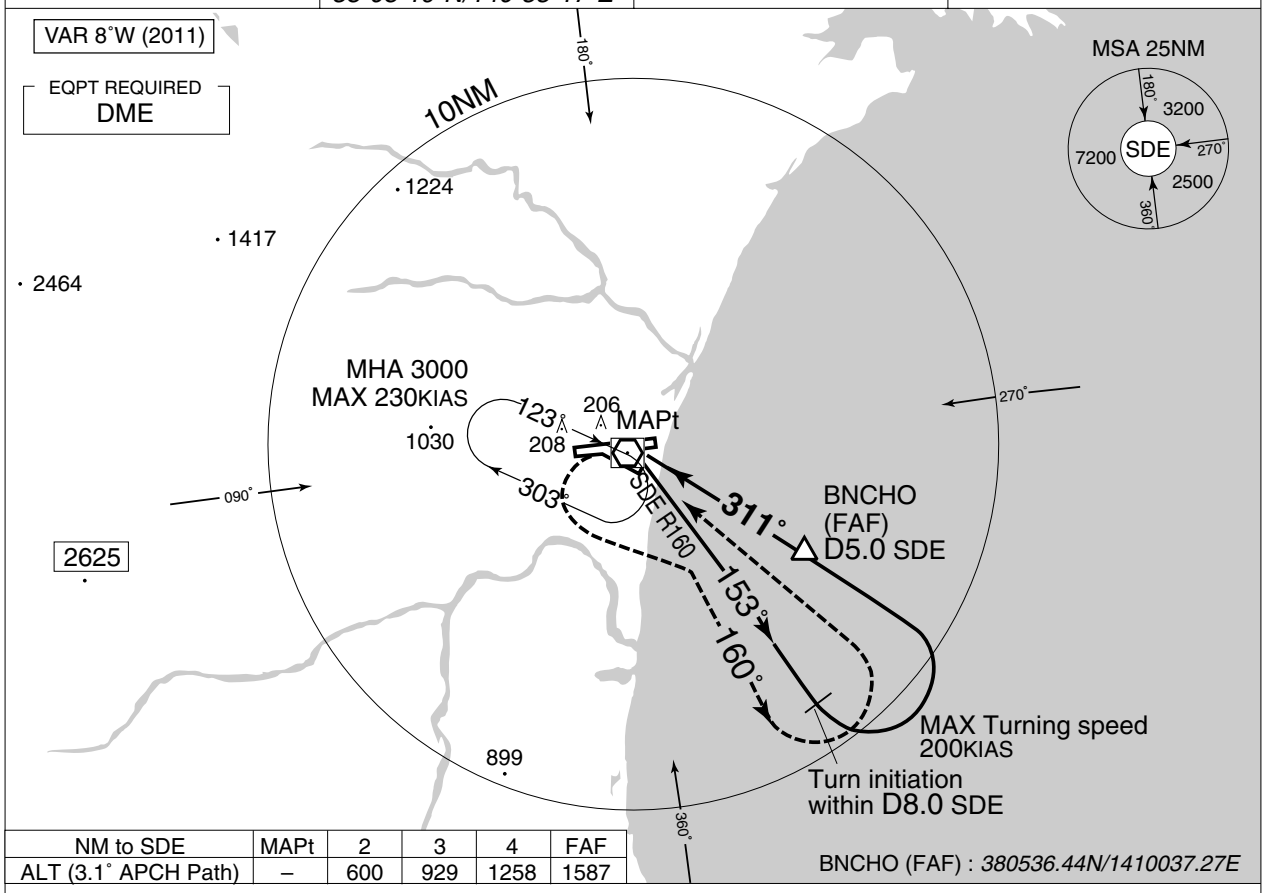
MINIMA — THR elev. 15 — AD elev. 6

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	390 (384)	900	530 (524)	1600
B		1000		
C				2400
D		1400	560 (554)	3200

INSTRUMENT APPROACH CHART

RJSS / SENDAI — VOR RWY30

SENDAI APP	SENDAI VOR / DME 116.3 SDE CH–110X *38˚08´19˝N/140˚55´17˝E*	SENDAI TWR	RADAR AVBL
120.4 –261.2 –362.3		118.7 –126.2 –121.5	ATIS 126.45

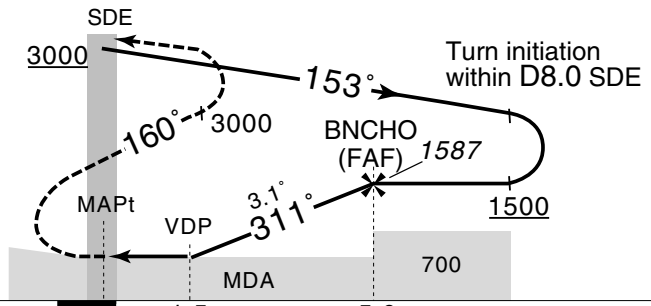


NM to SDE	MAPt	2	3	4	FAF
ALT (3.1˚ APCH Path)	–	600	929	1258	1587

MISSED APPROACH

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

Contact SENDAI APP.



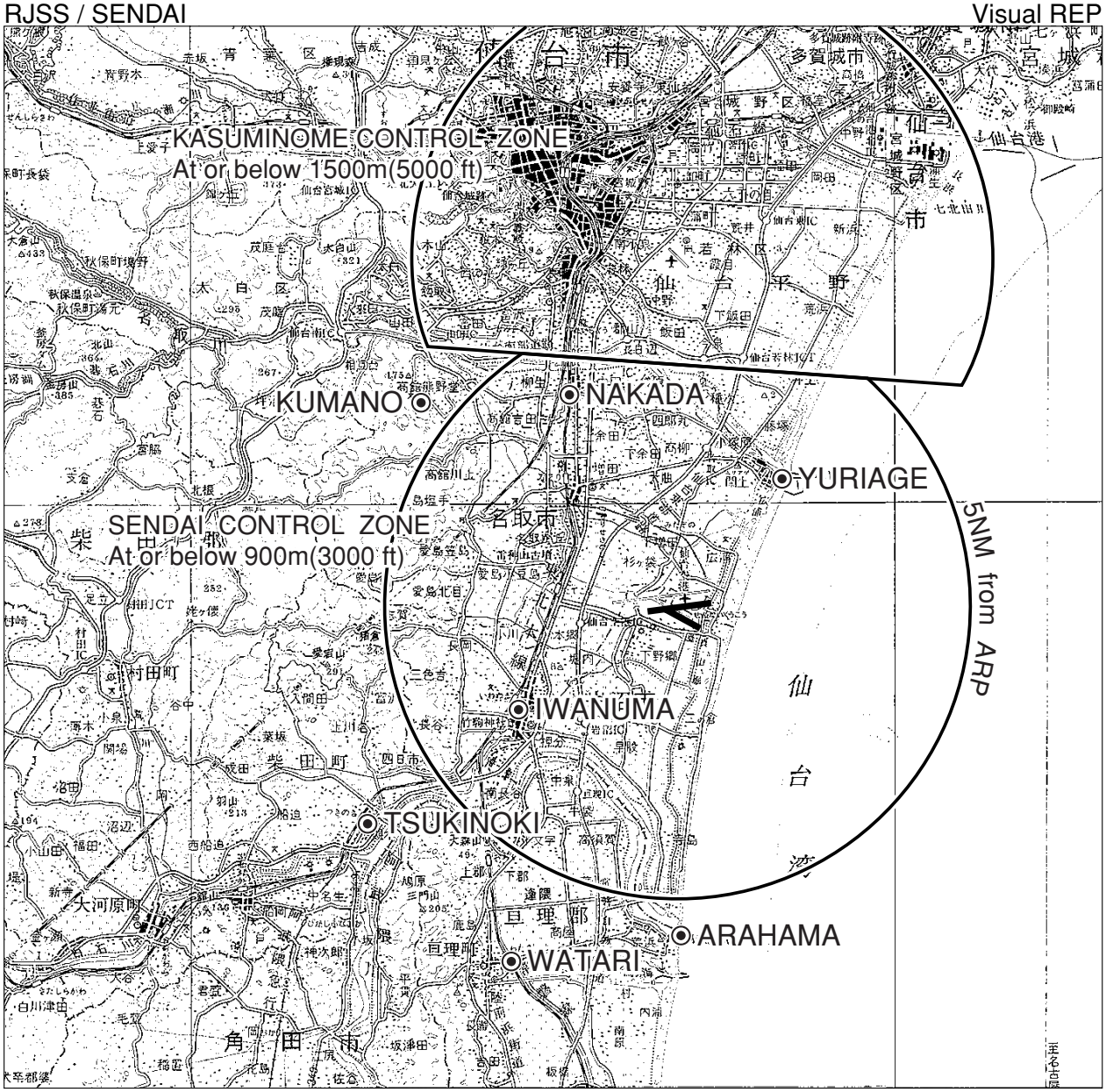
Timing not authorized for defining the MAPt.

DME to SDE	0	1.5	5.0
NM to THR	0	1.2	4.7

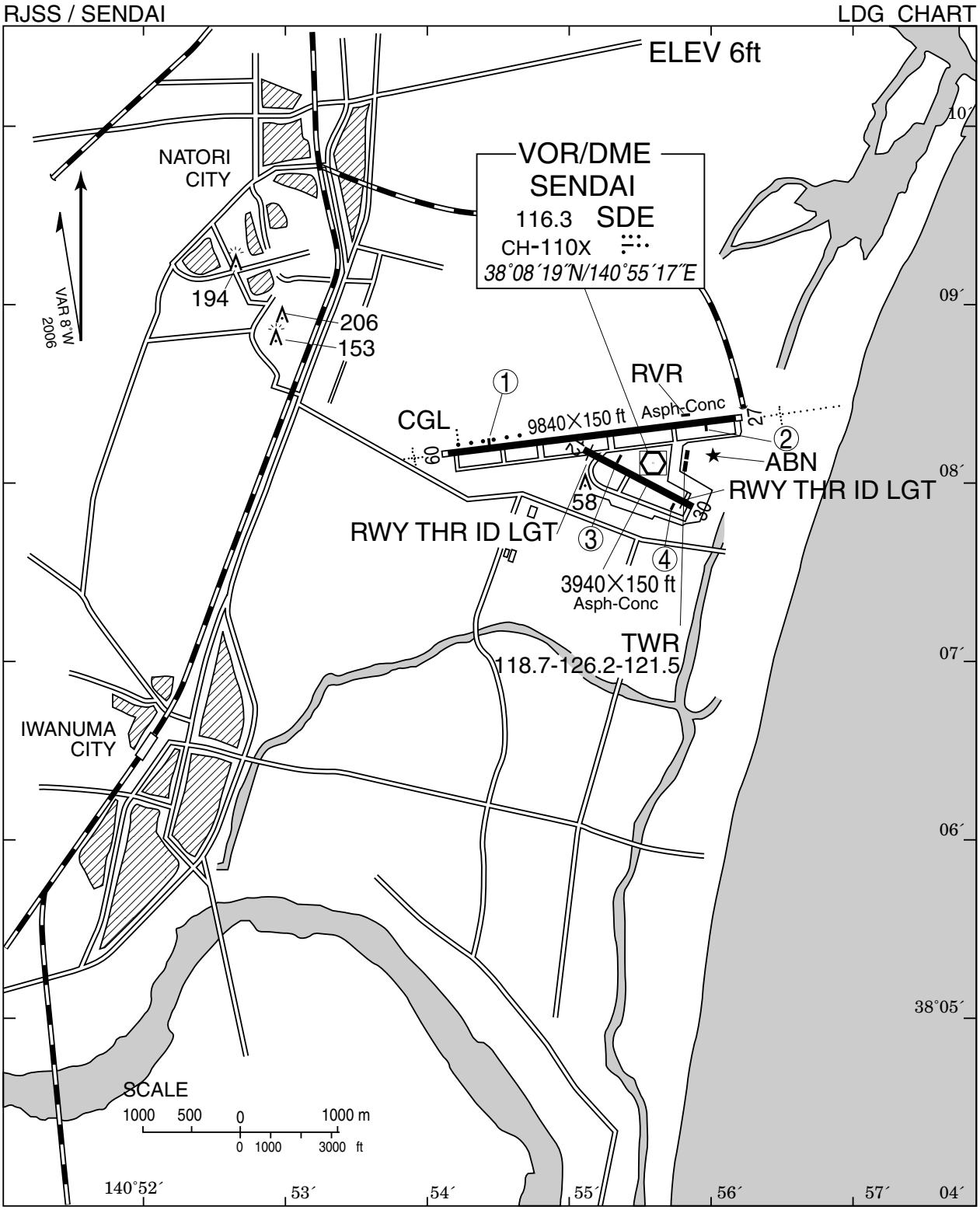
MINIMA	THR elev. 5		AD elev. 6	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	410 (404)	1500	530 (524)	1600
B				
C		1800		2400
D	–	–	–	–

RJSS / SENDAI

Visual REP

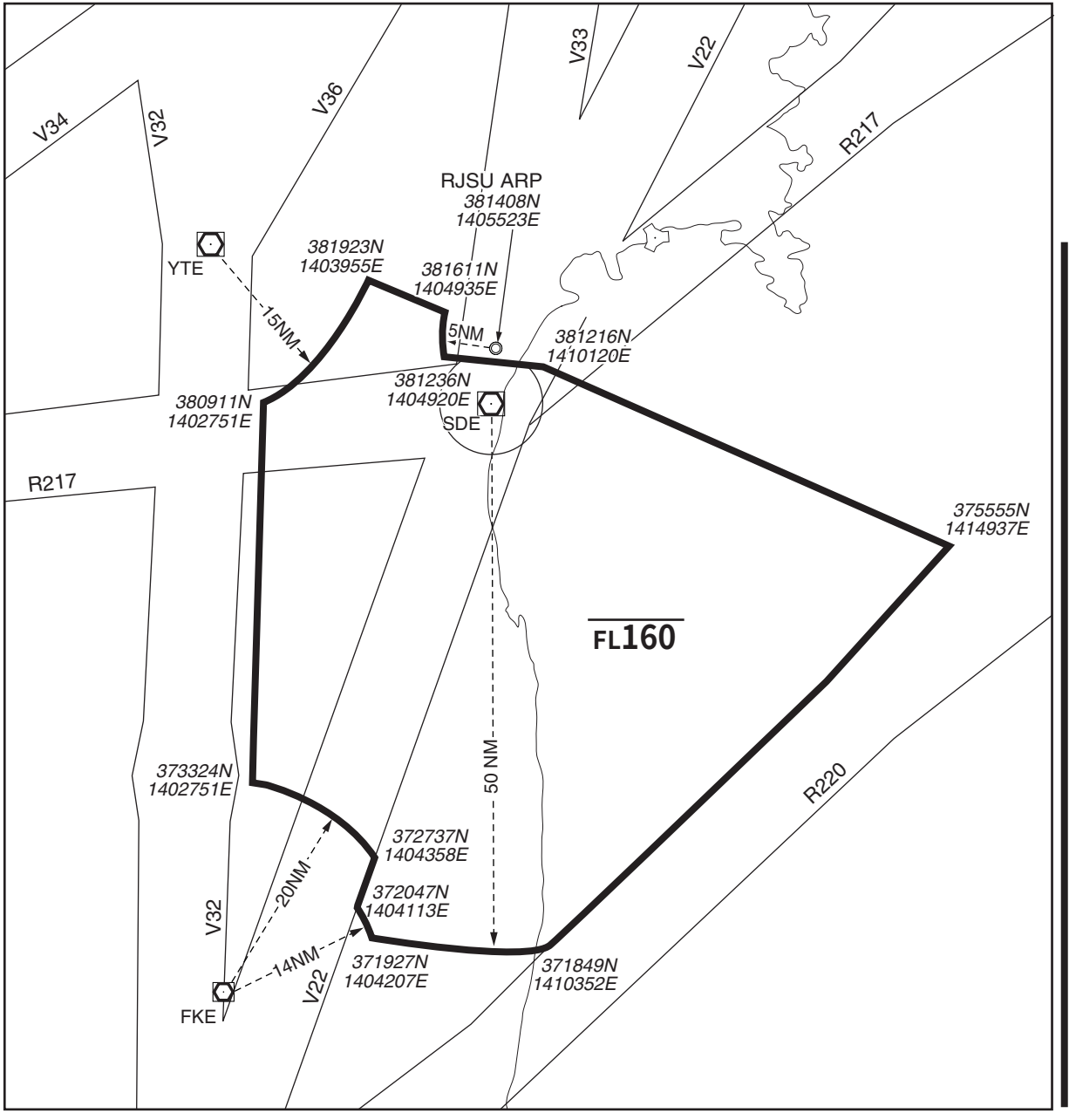


Call sign	BRG / DIST from ARP	Remarks
槻　　木 Tsukinoki	240˚/6.4NM	JR駅 Station
岩　　沼 Iwanuma	244˚/2.9NM	JR駅 Station
亘　　理 Watari	209˚/6.5NM	JR駅 Station
荒　　浜 Arahama	189˚/5.4NM	阿武隈川河口 River-mouth of the Abukuma
閖　　上 Yuriage	042˚/2.9NM	名取川河口 River mouth of the Natori
中　　田 Nakada	342˚/4NM	JR南仙台駅 Station
熊　　野 Kumano	326˚/5.2NM	熊野神社 the Kumano Shrine



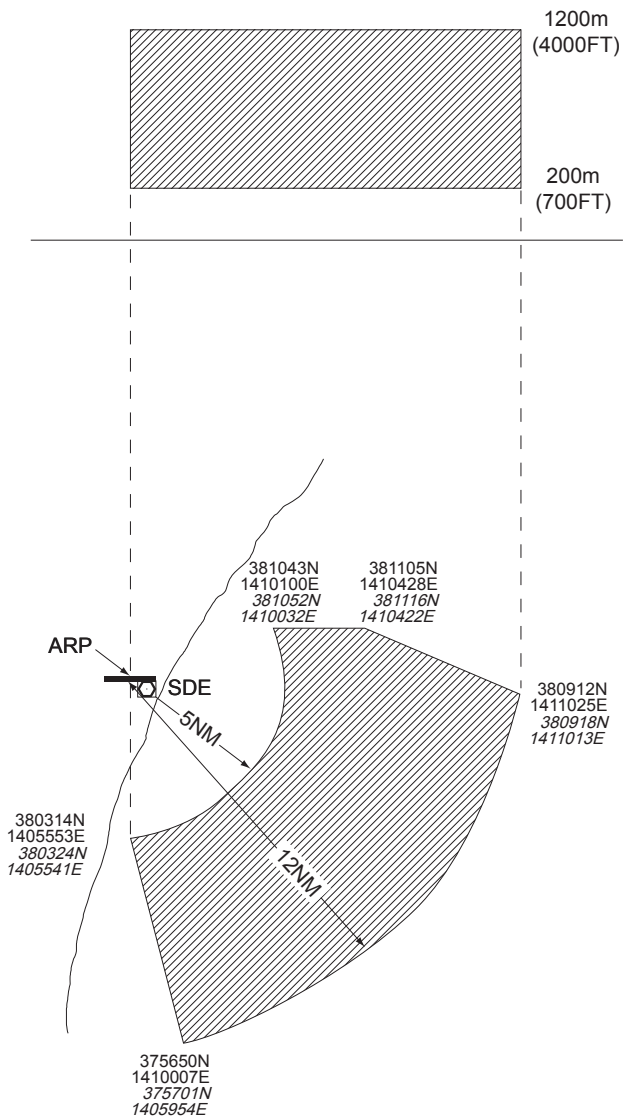
①	②	③	④
Angle 3.0˚	Angle 3.0˚	Angle 3.0˚	Angle 3.1˚
MEHT 22.5m (73.8 ft)	MEHT 20.0m (65.6 ft)	MEHT 13.6m (44.5 ft)	MEHT 13.6m (44.5 ft)
456m FM THR	439m FM THR	306m FM THR	262m FM THR

仙台進入管制区
Sendai Approach Control Area

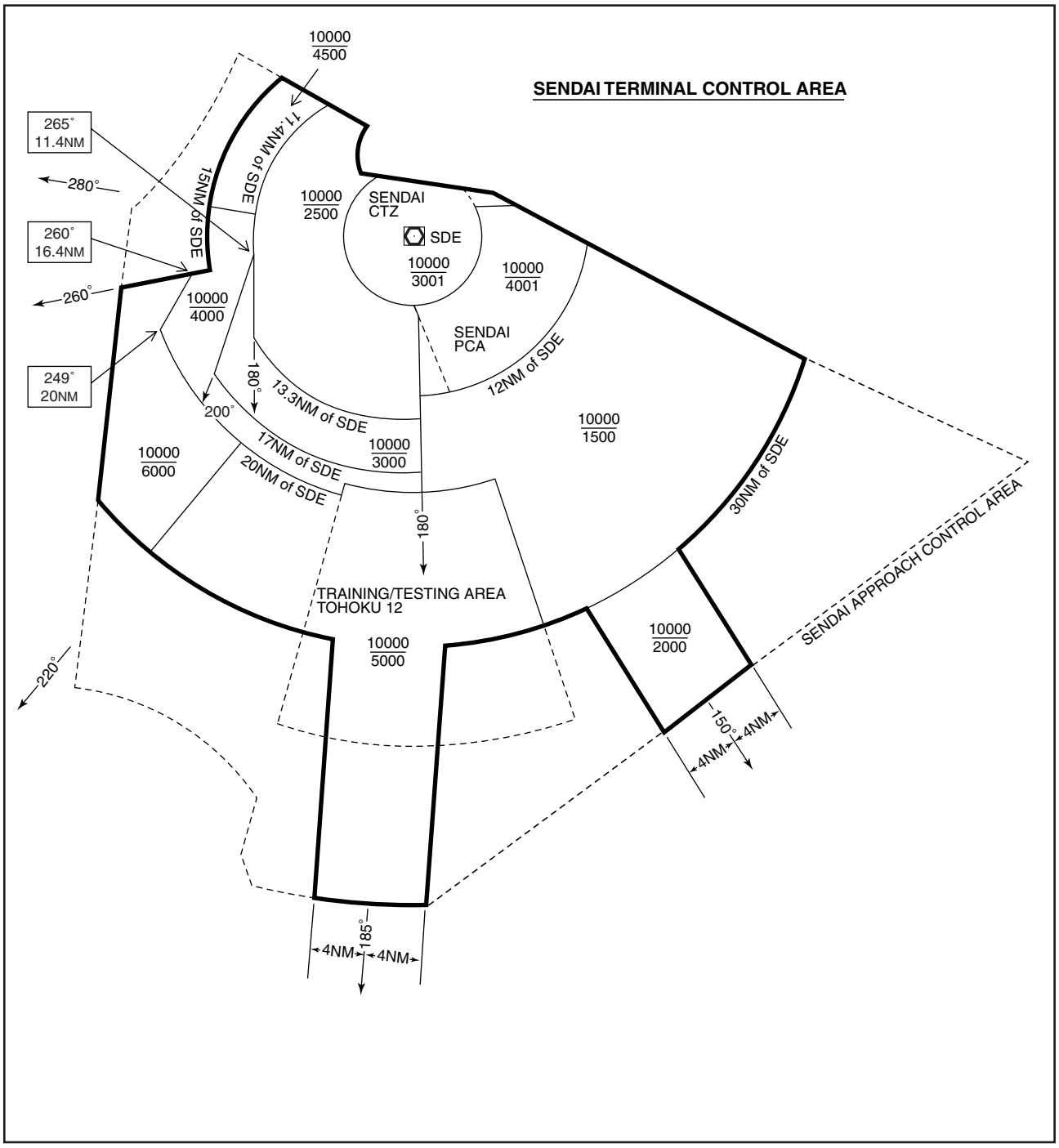


仙台特別管制区
Sendai Positive Control Area

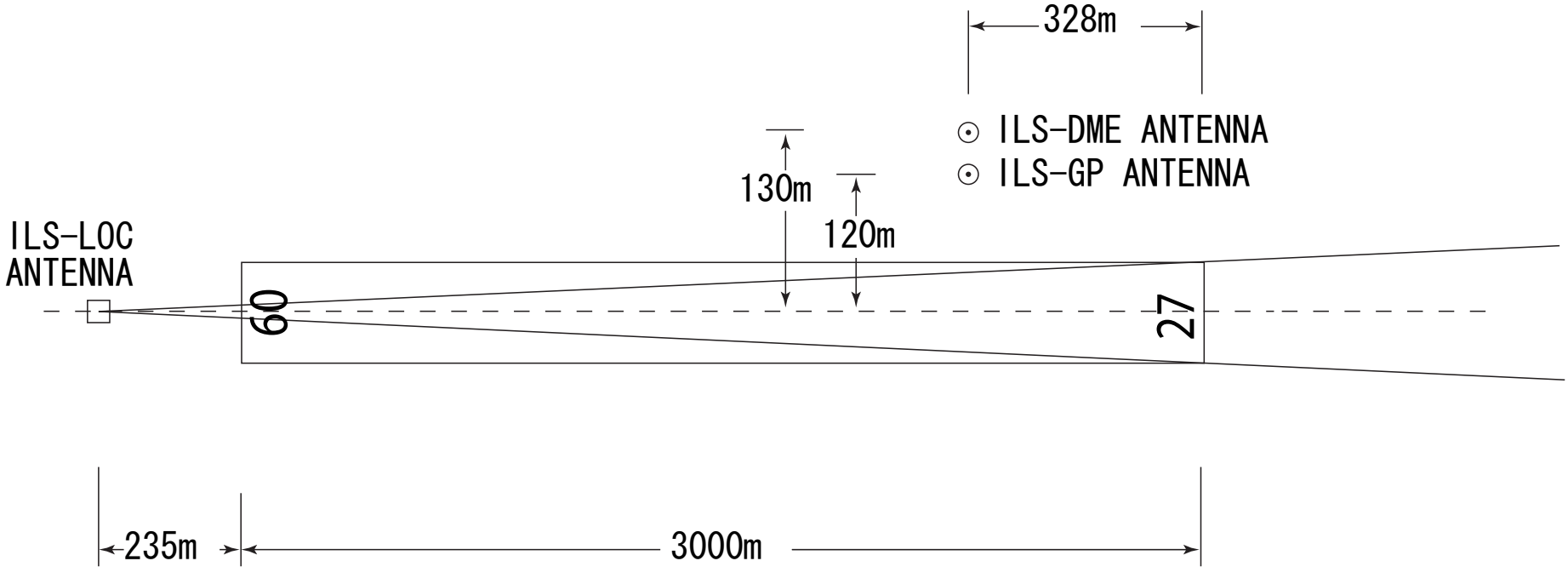
NAME	LATERAL LIMITS	UPPER LIMIT (AMSL) / LOWER LIMIT (AMSL) M(ft)	UNIT PROVIDING SERVICE	REMARKS
1	2	3	4	5
仙台 Sendai	下記に示される区域 The area shown below		Primary Sendai APP 120.4-261.2 Secondary Sendai TWR 126.2	当該空域を飛行しようとする航空機は、仙台アプローチ又は仙台タワーに連絡し、コールサイン、現在位置、高度及び意図を通報し指示を受けること。 Pilot of aircraft operating in this area shall contact Sendai Approach or Sendai Tower for ATC instructions giving in-formations on aircraft identification, positions, altitude and pilot's intentions.



仙台ターミナルコントロールエリア
Sendai Terminal Control Area

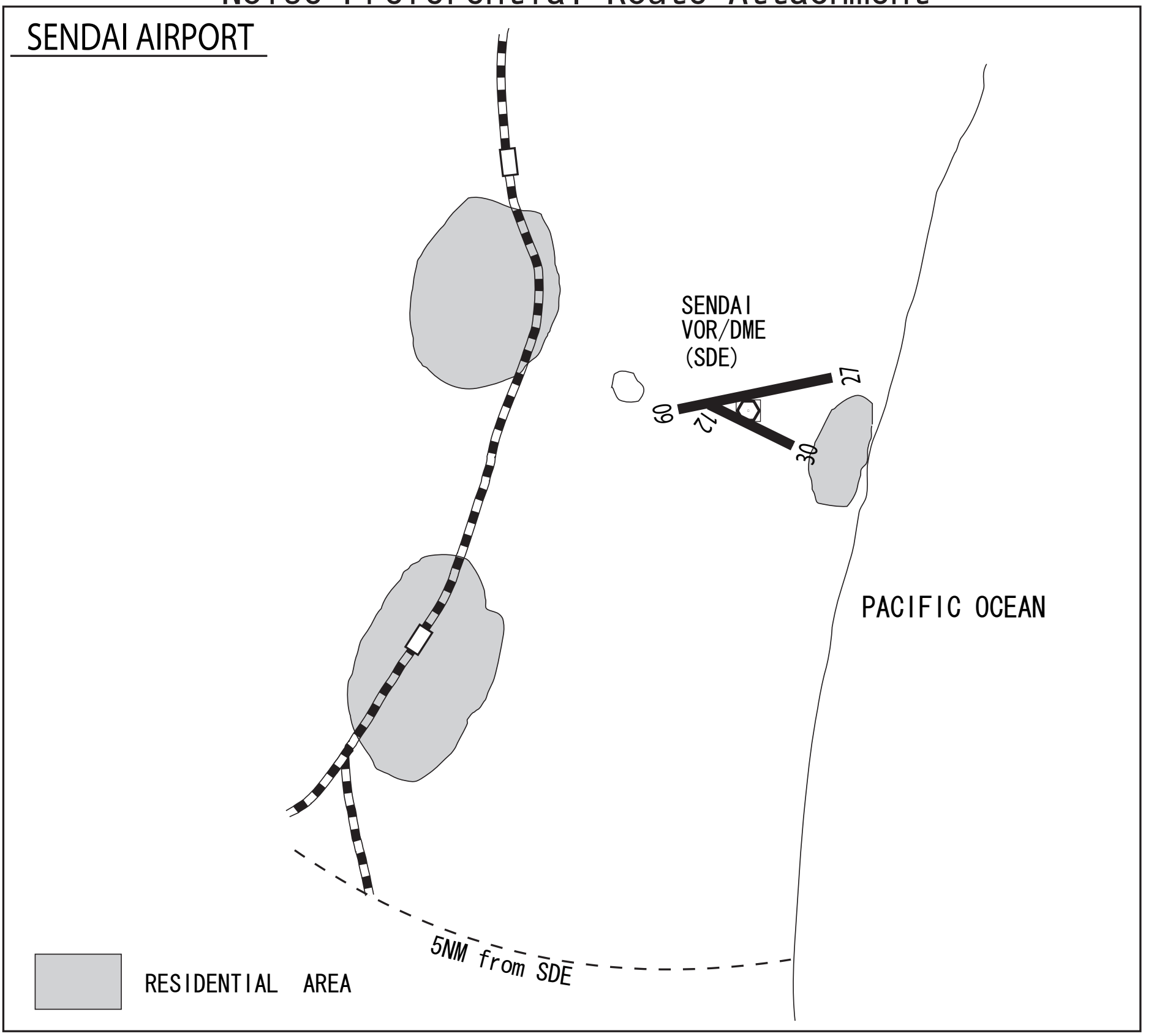
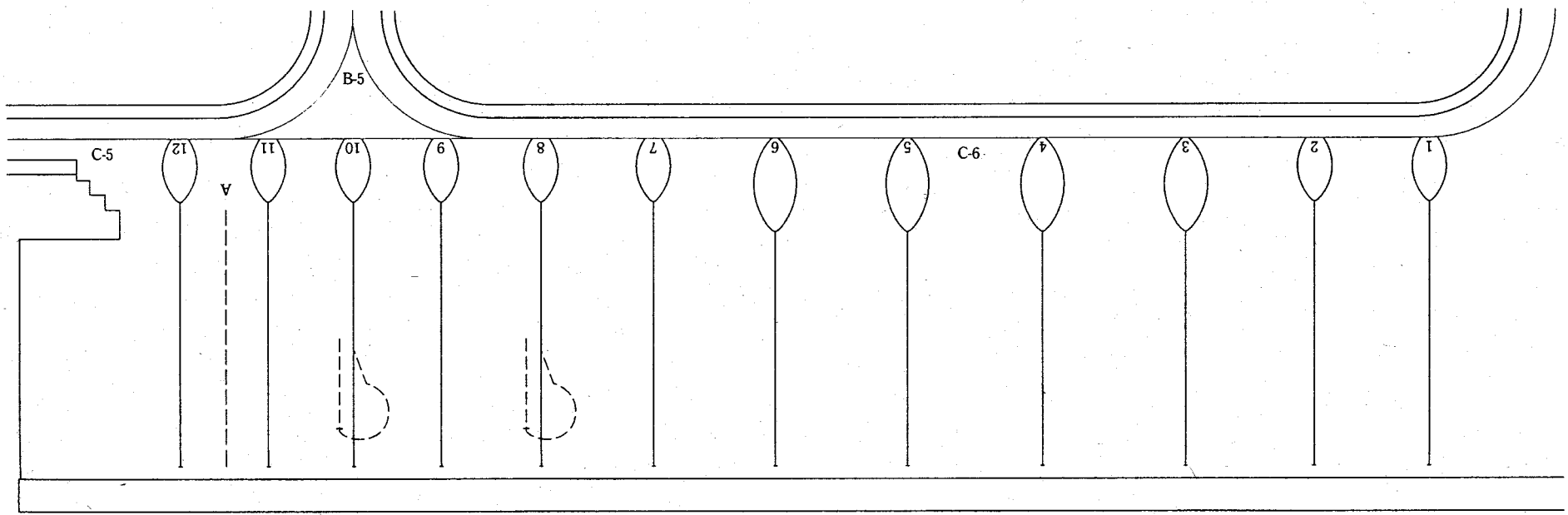


SENDAI AIRPORT



REMARKS :	1	LOC beam BRG(MAG)	270°
	2	ILS-GP Angle	3.0°
	3	HGT of ILS REF datum	16.4m(54ft)
	4	ELEV of ILS-DME	8.8m(29ft)

Noise Preferential Route Attachment



MARKING AIDS and PARKING AREA