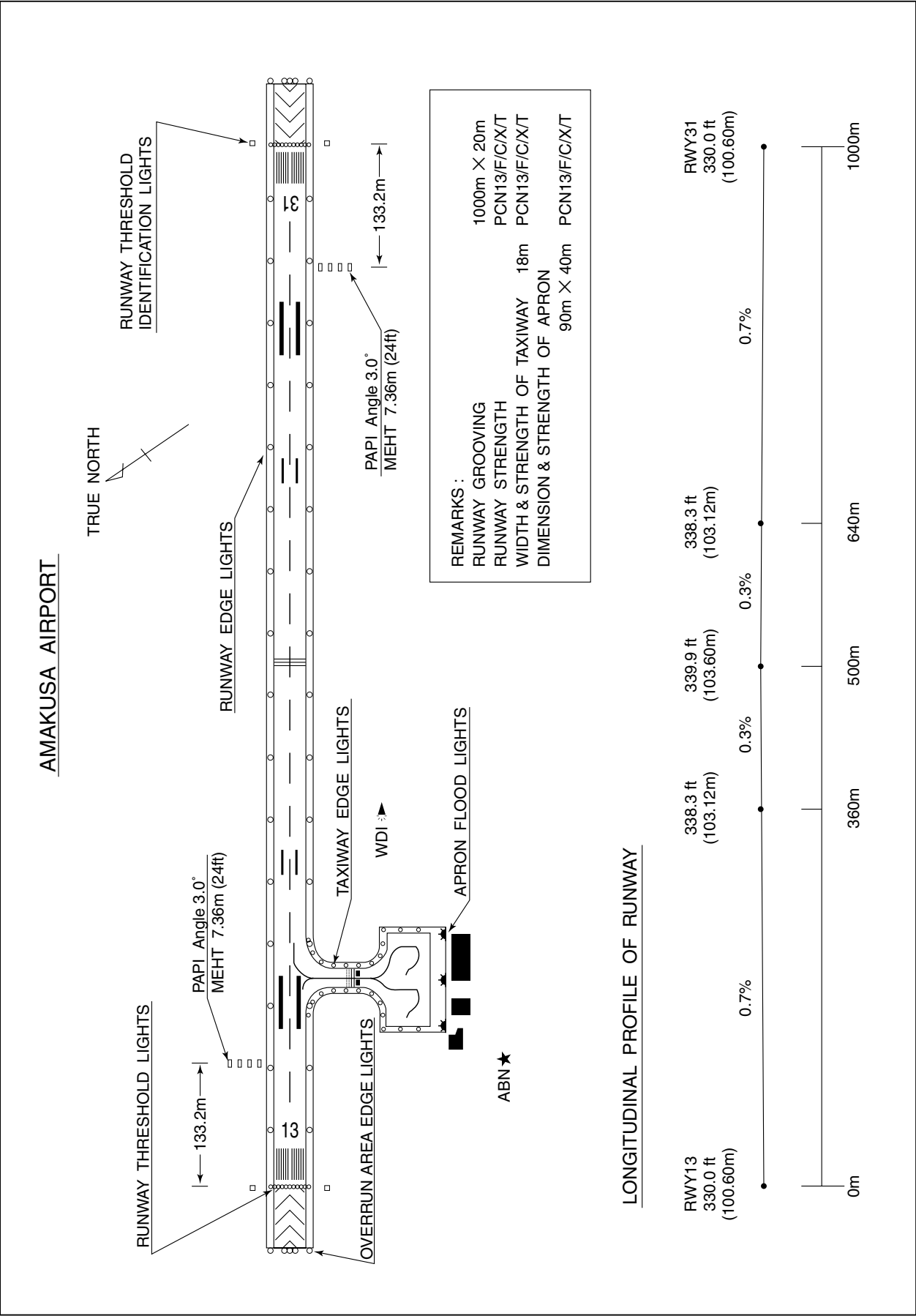


RJDA / AMAKUSA

AD CHART



STANDARD DEPARTURE CHART - INSTRUMENT

RJDA / AMAKUSA

SID

AMAKUSA REVERSAL THREE DEPARTURE

RWY13 : Climb RWY HDG to 800FT, turn left HDG051°...

RWY31 : Climb on HDG322° to 1100FT, turn right HDG141°...

... to intercept and proceed via AKE R096 to 4000FT, turn right, direct to AKE VOR/DME.

Note RWY13 : 5.0% climb gradient required up to 1200FT.

OBST ALT 1994FT located at 9.0NM 098° FM end of RWY13.

RWY31 : 6.0% climb gradient required up to 1100FT.

OBST ALT 591FT located at 0.8NM 294° FM end of RWY31.



STANDARD DEPARTURE CHART - INSTRUMENT

RJDA / AMAKUSA

RNAV SID and TRANSITION

HABOH TWO DEPARTURE
NORTH TRANSITION
EAST TRANSITION

Basic RNP1

Note GNSS required.

HABOH TWO DEPARTURE

RWY13 : Climb on HDG132° at or above 800FT, turn left direct to HABOH at 4000FT, to FUGEN.

RWY31 : Climb on HDG312° at or above 1400FT, turn right direct to HABOH at 4000FT, to FUGEN.

Note RWY13 : 3.5% climb gradient required up to 800FT.
OBST ALT 919FT located at 4.2NM 125° FM end of RWY13.

RWY31 : 6.1% climb gradient required up to 1400FT.
OBST ALT 591FT located at 0.8NM 292° FM end of RWY31.

NORTH TRANSITION

From FUGEN, to OMUTA at or above 8000FT.

EAST TRANSITION

From FUGEN, to MISMI.

STANDARD DEPARTURE CHART - INSTRUMENT

RJDA / AMAKUSA

RNAV SID and TRANSITION

HABOH TWO DEPARTURE

RWY13

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	—	—	132 (124.7)	-7.0	—	—	+800	—	—	Basic RNP1
002	DF	HABOH	—	—	-7.0	—	L	4000	—	—	Basic RNP1
003	TF	FUGEN	—	065 (058.0)	-7.0	7.5	—	—	—	—	Basic RNP1

RWY31

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	—	—	312 (304.7)	-7.0	—	—	+1400	—	—	Basic RNP1
002	DF	HABOH	—	—	-7.0	—	R	4000	—	—	Basic RNP1
003	TF	FUGEN	—	065 (058.0)	-7.0	7.5	—	—	—	—	Basic RNP1

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	FUGEN	—	—	-7.0	—	—	—	—	—	Basic RNP1
002	TF	OMUTA	—	002 (355.2)	-7.0	24.3	—	+8000	—	—	Basic RNP1

EAST 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	FUGEN	—	—	-7.0	—	—	—	—	—	Basic RNP1
002	TF	MISMI	—	061 (053.7)	-7.0	10.3	—	—	—	—	Basic RNP1

STANDARD ARRIVAL CHART - INSTRUMENT

RJDA / AMAKUSA

RNAV STAR

IRUKA ARRIVAL
TSUJI ARRIVAL

Basic RNP1

Note GNSS required.

VAR 7°W (2016)

IRUKA ARRIVAL

From FUGEN, to IRUKA 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	FUGEN	—	—	-7.0	—	—	—	—	—	Basic RNP1
002	TF	IRUKA	—	196 (188.9)	-7.0	11.9	—	+4000	—	—	Basic RNP1


TSUJI ARRIVAL

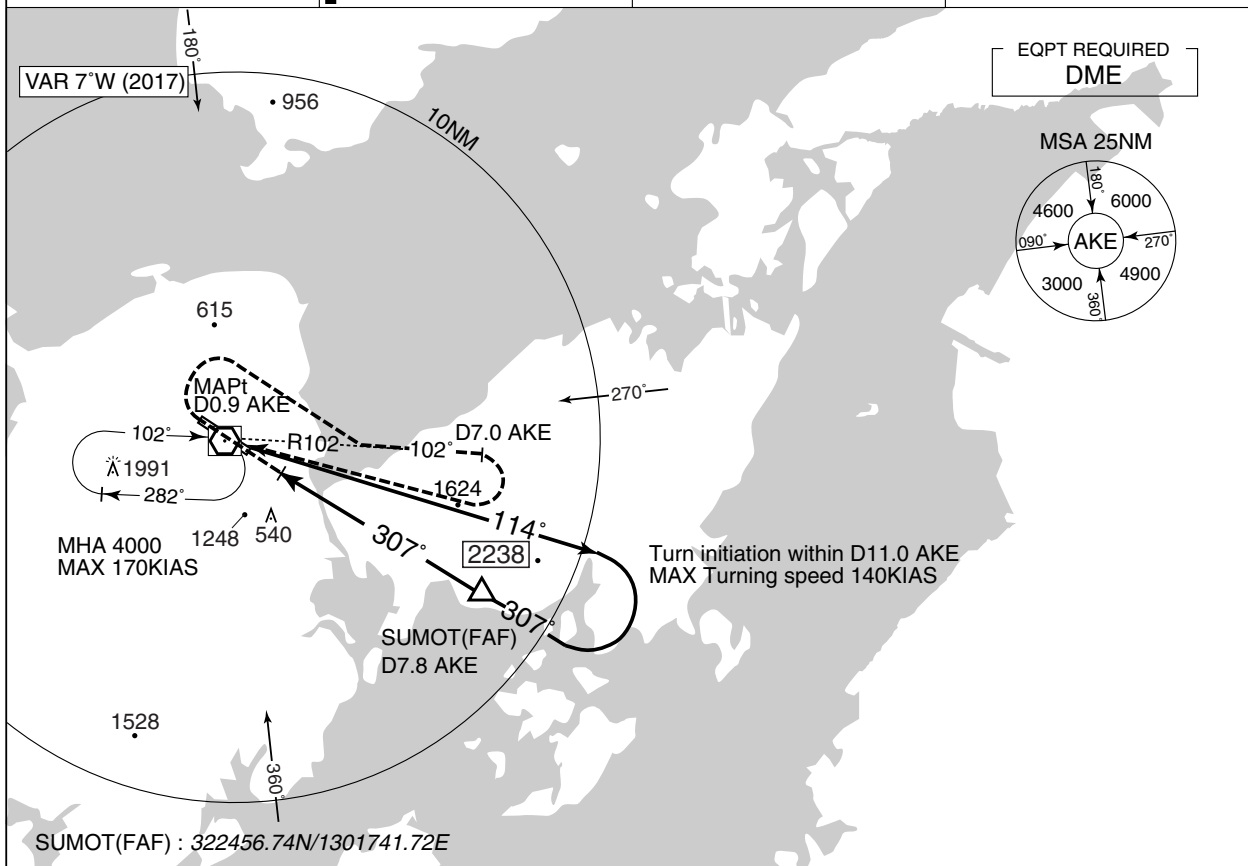
From FUGEN, to SETME at or above 4000FT, to TSUJI at or above 2400FT.

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	FUGEN	—	—	-7.0	—	—	—	—	—	Basic RNP1
002	TF	SETME	—	267 (260.2)	-7.0	9.0	—	+4000	—	—	Basic RNP1
003	TF	TSUJI	—	267 (260.1)	-7.0	10.7	—	+2400	—	—	Basic RNP1

RJDA / AMAKUSA

VOR RWY31

KUMAMOTO APP	AMAKUSA VOR/DME		
119.0 – 126.5	113.45 AKE	—	NO RADAR
122.9 – 258.9	CH-81Y 		
	32°28'49"N/130°09'39"E		



	NM to AKE	MAPt	2	3	4	5	6	7	FAF
	ALT (3.0° APCH Path)	—	973	1291	1610	1928	2246	2565	2826

AKE

Turn initiation within D11.0 AKE

Figure 1 illustrates a flight path with various waypoints and altitudes. The path starts at a high altitude (114°) and descends through MAPt, SDF, and SUMOT (FAF) to a VDP at 1259. It then turns to a 307° heading, passing a 30° climb gradient point at 1960, and reaches the MDA at 1140 (810). The path continues to 2826, then turns to 307° and reaches 3400. A shaded area indicates a 2800 (2470) altitude restriction.

DME to AKE	0.1	0.9	1.7	2.9	5.1	7.8
NM to THR	0	0.8	1.6	2.8	5.0	7.7

Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 330	AD elev. 340	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	■ 830 (500)	1500	960 (620)	1600
B			1020 (680)	
C	—	—	—	—
D				

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNAV(GNSS) RWY13

KUMAMOTO APP

119.0 – 126.5

122.9 – 258.9

1. DME/DME RNP0.3 not authorized.
2. RNP0.3 required.
3. GNSS required. For E/TSO-C129() sensor, contingency means required, such as IRU.

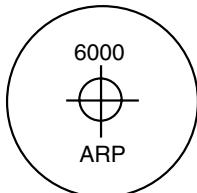
—

NO RADAR

Baro-VNAV not authorized

VAR 7°W (2016)

MSA 25NM



ARP : 322856N/1300932E

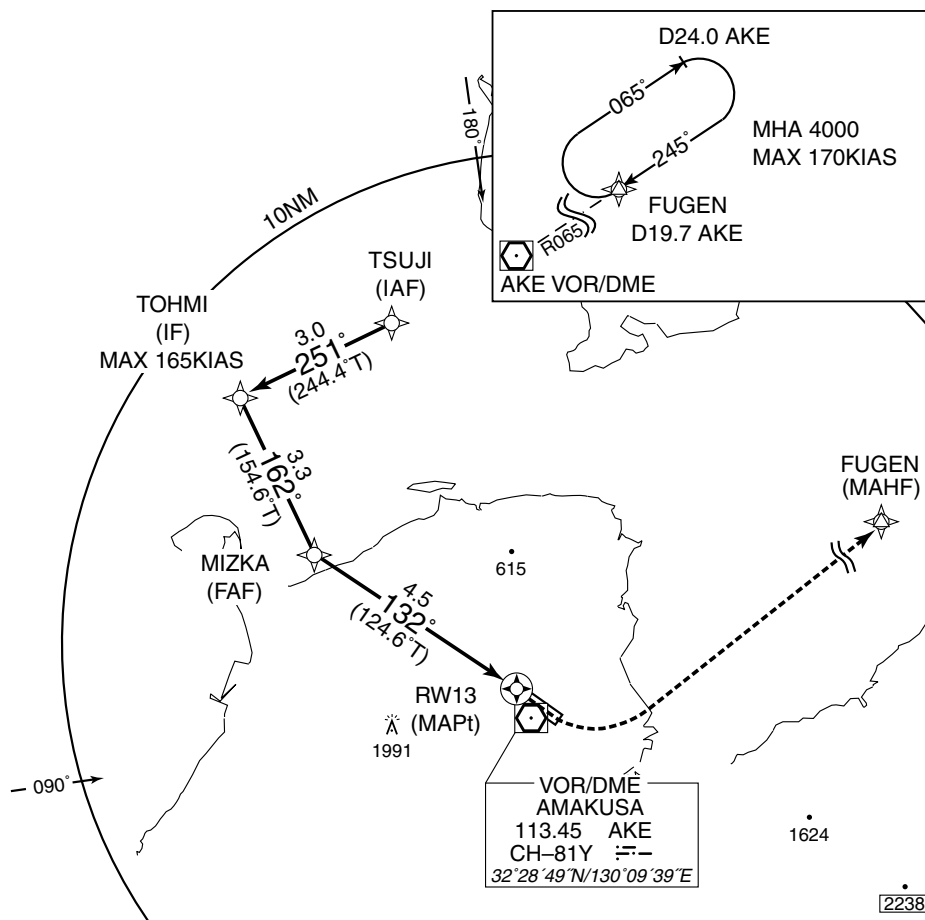
TSUJI 323556.06N
(IAF) 1300624.98E

TOHMI 323438.41N
(IF) 1300312.63E

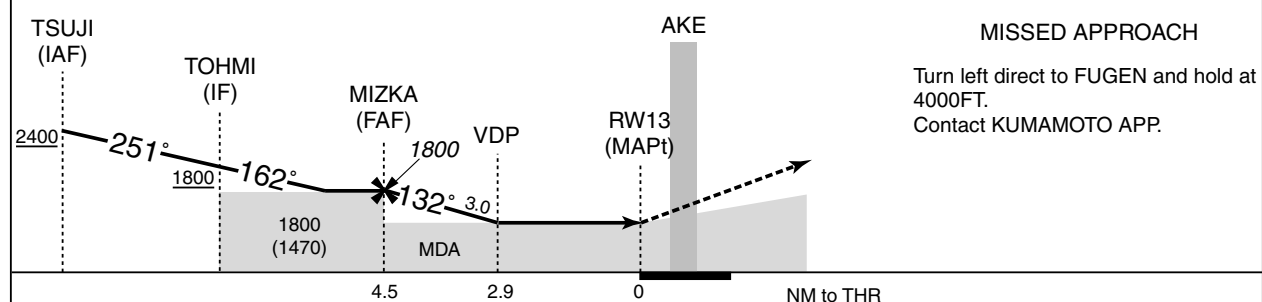
MIZKA 323139.29N
(FAF) 1300453.52E

RW13 322906.21N
(MAPt) 1300916.15E

FUGEN 323919.48N
(MAHF) 1302925.48E



NM to Next Fix	FAF	4	3	MAPt
ALT(3.0° APCH Path)	1800	1643	1325	—



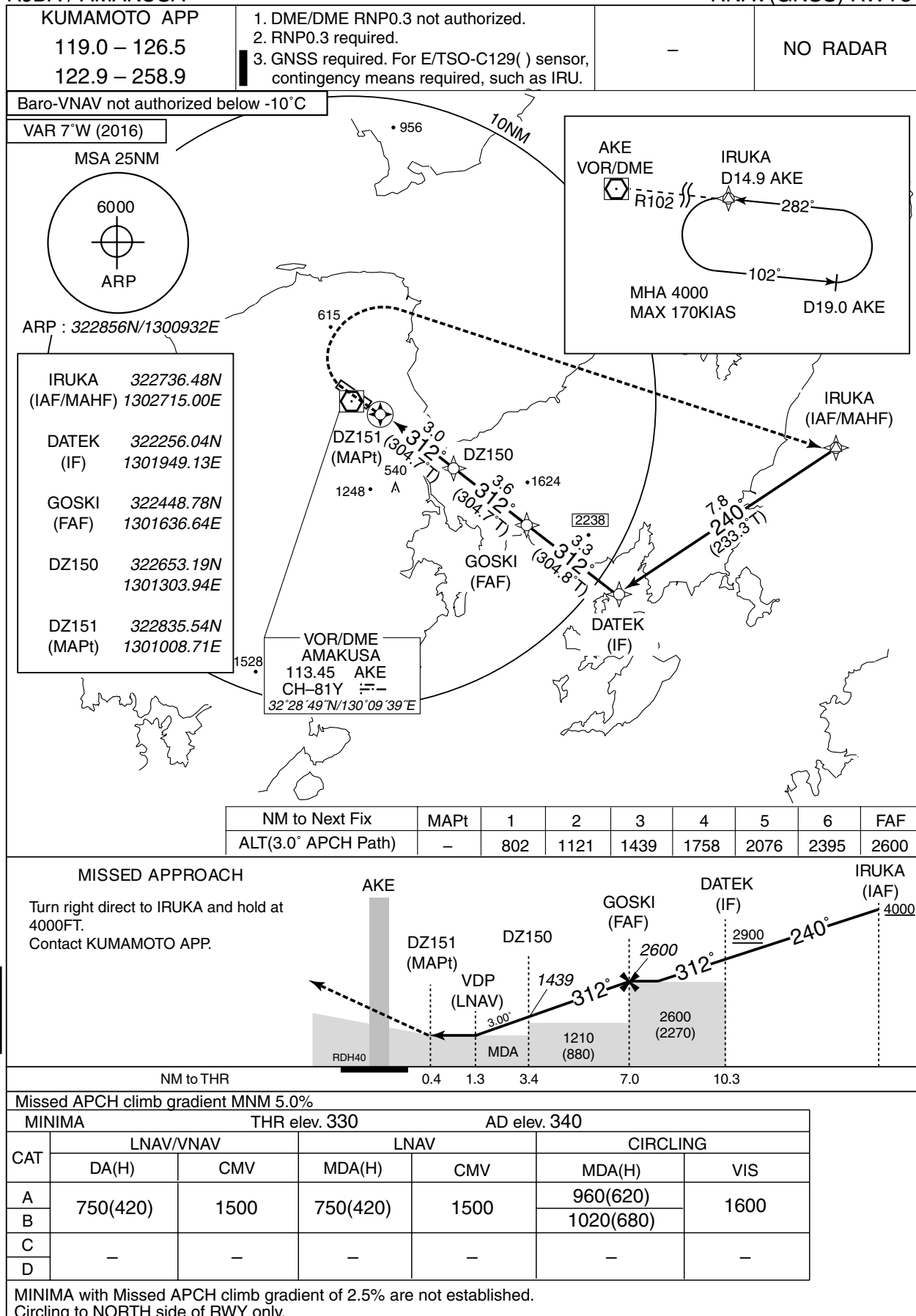
MINIMA		THR elev. 330		AD elev. 340	
CAT	LNAV/VNAV		LNAV		CIRCLING
	DA(H)	CMV	MDA(H)	CMV	MDA(H) VIS
A	Not applicable		1230(900)	1500	1230(890) 1600
B					
C	—	—	—	—	—
D	—	—	—	—	—

Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNAV(GNSS) RWY31



RJDA/AMAKUKSA

Visual REP



※AMAKUSA FLIGHT SERVICE : 130.775MHz

Call sign	BRG / DIST from ARP	Remarks
口之津 Kuchinotsu	020° / 8.0NM	港 Port
湯島 Yushima	058° / 11.9NM	島 Island
通詞島 Tsuujishima	334° / 4.8NM	島 Island
島子 Shimago	101° / 4.6NM	漁港 Port
横島 Yokoshima	158° / 7.5NM	島 Island
富岡 Tomioka	299° / 7.7NM	岬 Cape

RJDA / AMAKUSA

LDG CHART



RJDA / AMAKUSA

Minimum Vectoring Altitude CHART

