

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



CHANGE : VAR. Course FM FUGEN to OMUTA. Note(OBST BRG FM end of RWY).

## 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)	-7.4	—	—	+800	—	—	Basic RNP1
002	DF	HABOH	—	—	-7.4	—	L	4000	—	—	Basic RNP1
003	TF	FUGEN	—	065 (058.0)	-7.4	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)	-7.4	—	—	+1400	—	—	Basic RNP1
002	DF	HABOH	—	—	-7.4	—	R	4000	—	—	Basic RNP1
003	TF	FUGEN	—	065 (058.0)	-7.4	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	—	—	-7.4	—	—	—	—	—	Basic RNP1
002	TF	OMUTA	—	003 (355.2)	-7.4	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	—	—	-7.4	—	—	—	—	—	Basic RNP1
002	TF	MISMI	—	061 (053.7)	-7.4	10.3	—	—	—	—	Basic RNP1

CHANGE : VAR. Course FM FUGEN to OMTA.

## CHANGE : VAR. PROC course(TSUJI ARRIVAL). ALT restriction at TSUJI.

RNAV STAR

Note GNSS required.

The map illustrates the Iruka area with the following details:

- Arrival Points:**
  - TSUJI ARRIVAL:** Located at 323556.1N, 1300625.0E. A flight path is shown with a distance of 10.7 and a bearing of 268°.
  - IRUKA ARRIVAL:** Located at 322736.5N, 1302715.0E. A flight path is shown with a distance of 11.9 and a bearing of 196°.
- Other Locations and Distances:**
  - SETME:** Located at 323747.3N, 1301855.9E. A distance of 9.0 is indicated.
  - FUGEN:** Located at 323919.5N, 1302925.5E. A distance of 11.9 is indicated.
  - D24.0 AKE:** Located at 324000.0N, 1302925.5E. A distance of 24.0 is indicated.
  - MHA 4000 MAX 170KIAS:** A maximum altitude and speed restriction area.
- Navigational Aids and Obstacles:**
  - VOR/DME AMAKUSA:** Located at 32°28'49"N/130°09'39"E, 400FT. A distance of 113.45 AKE is indicated.
  - Obstacles:** Two obstacles are marked with their MSL and AGL altitudes: 3000/2400 and 4000.
- Flight Paths and Bearings:**
  - A flight path from SETME to TSUJI is shown with a bearing of 268° and a distance of 10.7.
  - A flight path from FUGEN to IRUKA is shown with a bearing of 196° and a distance of 11.9.
  - A flight path from IRUKA to D24.0 AKE is shown with a bearing of 065° and a distance of 24.0.
  - A flight path from D24.0 AKE to FUGEN is shown with a bearing of 245° and a distance of 11.9.
  - A flight path from FUGEN to SETME is shown with a bearing of 268° and a distance of 9.0.

From FUGEN, to IRUKA at or above 4000FT.

## TSUJI ARRIVAL

From FUGEN, to SETME at or above 4000FT, to TSUJI between 3000FT and 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	—	—	-7.4	—	—	—	—	—	Basic RNP1
002	TF	SETME	—	268 (260.2)	-7.4	9.0	—	+4000	—	—	Basic RNP1
003	TF	TSUJI	—	268 (260.1)	-7.4	10.7	—	-3000 +2400	—	—	Basic RNP1

## INSTRUMENT APPROACH CHART

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

## MISSED APPROACH

Turn right, via AKE R102 to 7.0DME,  
turn right, direct to AKE VOR/DME  
and hold at 4000FT.  
Contact KUMAMOTO APP.

Timing not authorized for defining the MAPt.  
No turn before MAPt.



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

RNP Z RWY13

KUMAMOTO APP

119.0 – 126.5

122.9 – 258.9

RNP APCH

—

NO RADAR

Baro-VNAV not authorized

VAR 7°W (2021)

MSA 25NM



ARP : 322856N/1300932E

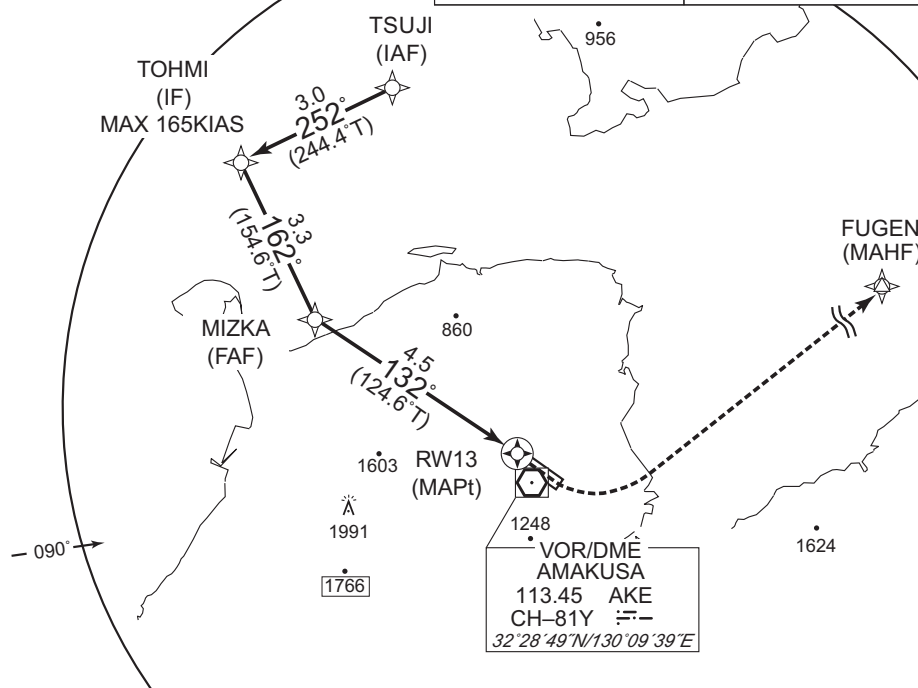
TSUJI 323556.06N  
(IAF) 1300624.98E

TOHMI 323438.41N  
(IF) 1300312.63E

MIZKA 323139.29N  
(FAF) 1300453.52E

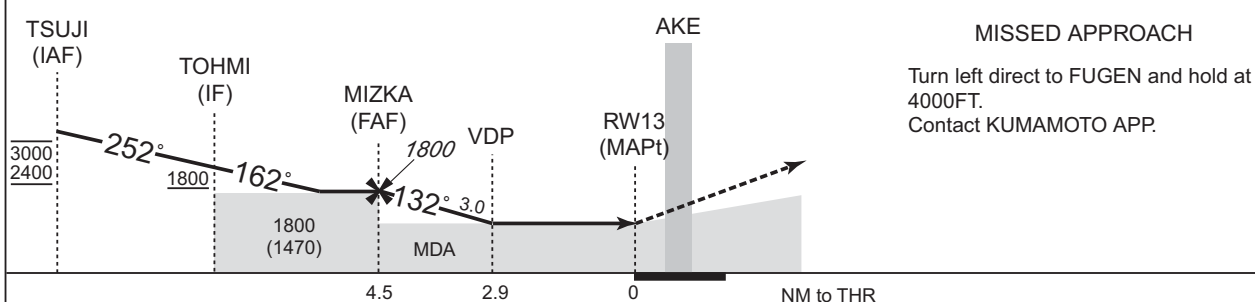
RW13 322906.21N  
(MAPt) 1300916.15E

FUGEN 323919.48N  
(MAHF) 1302925.48E



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

CHANGE:PROC renamed. Requirement for RNP.



MISSED APPROACH

Turn left direct to FUGEN and hold at  
4000FT.  
Contact KUMAMOTO APP.

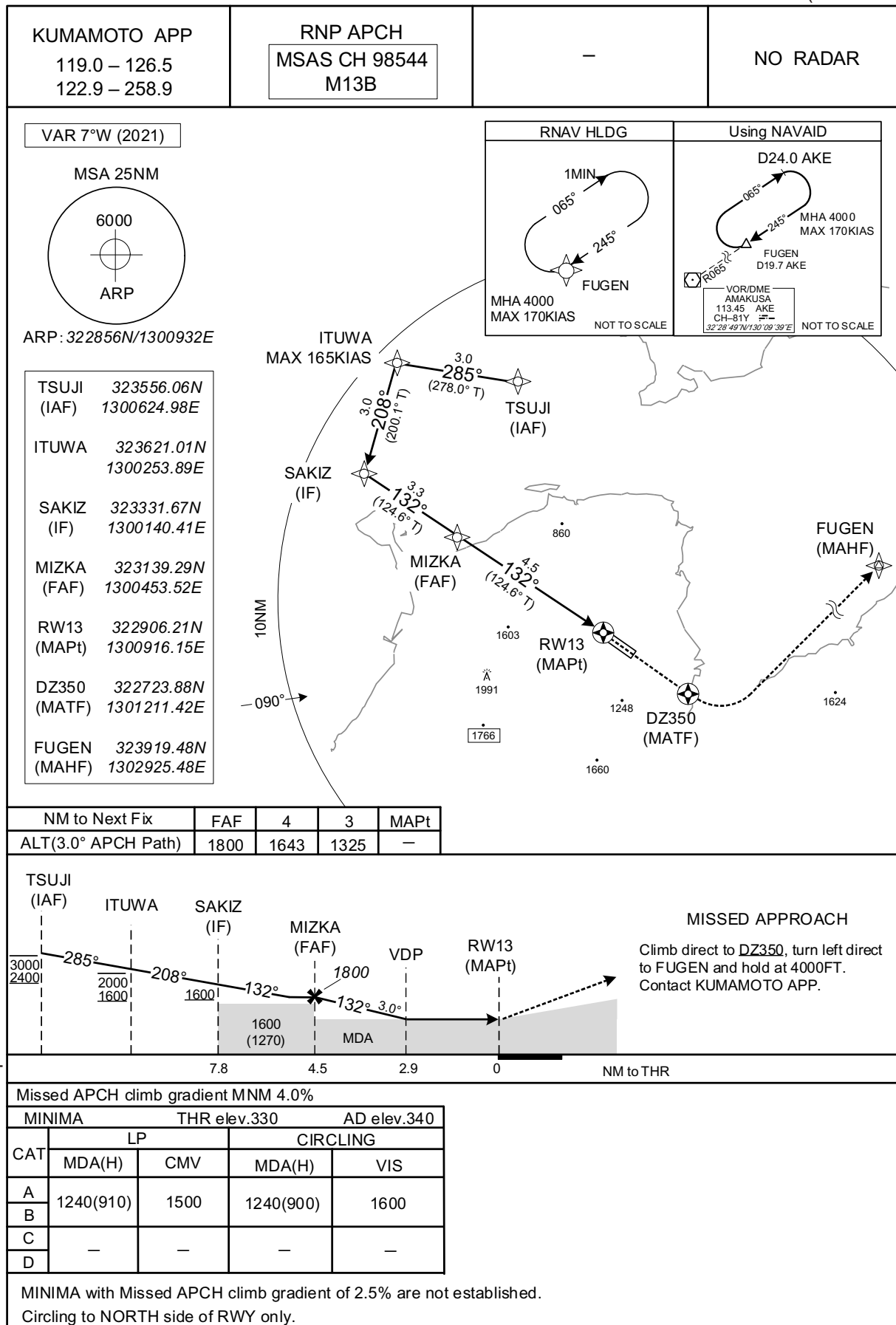
MINIMA		THR elev. 330		AD elev. 340		
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	Not applicable		1230(900)	1500	1230(890)	1600
B						
C	—	—	—	—	—	—
D	—	—	—	—	—	—

Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNP X RWY13(LP ONLY)



CHANGE:PROC renamed. Requirement for RNP.



## INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNP X RWY13(LP ONLY)

## FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+01335
SBAS service provider identifier	2	FPAP latitude	322834.9695N
Airport identifier	RJDA	FPAP longitude	1301009.6325E
Runway	13	Threshold crossing height	00012.2
Approach performance designator	0	TCH units selector	1
Route indicator	X	Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M13B	∠ length offset	0696
LTP/FTP latitude	322906.1830N	HAL	40.0
LTP/FTP longitude	1300916.1515E	VAL	0.0
CRC remainder	F4E11814		

## Required additional data

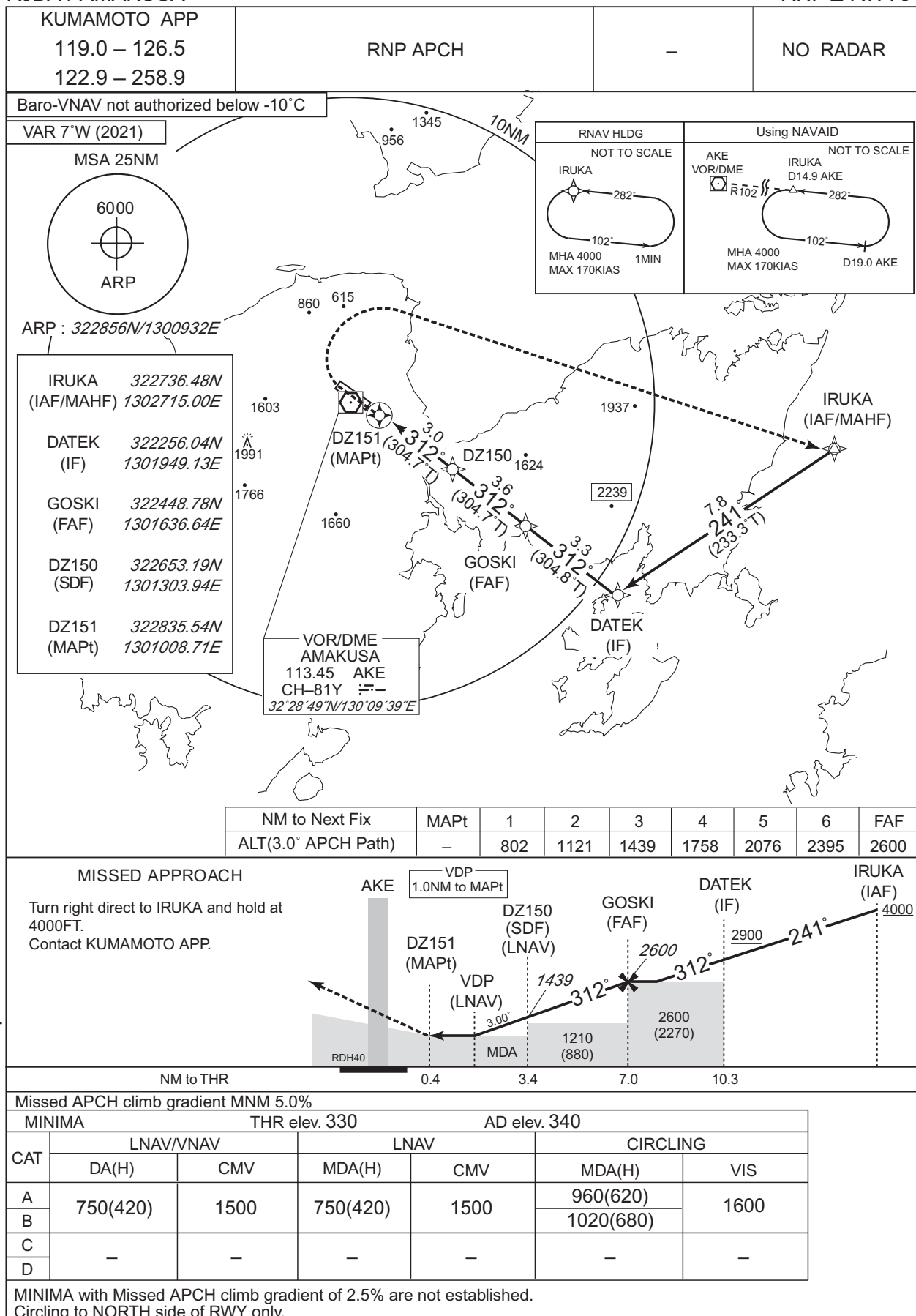
LTP/FTP orthometric height	100.8
----------------------------	-------

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNP Z RWY31

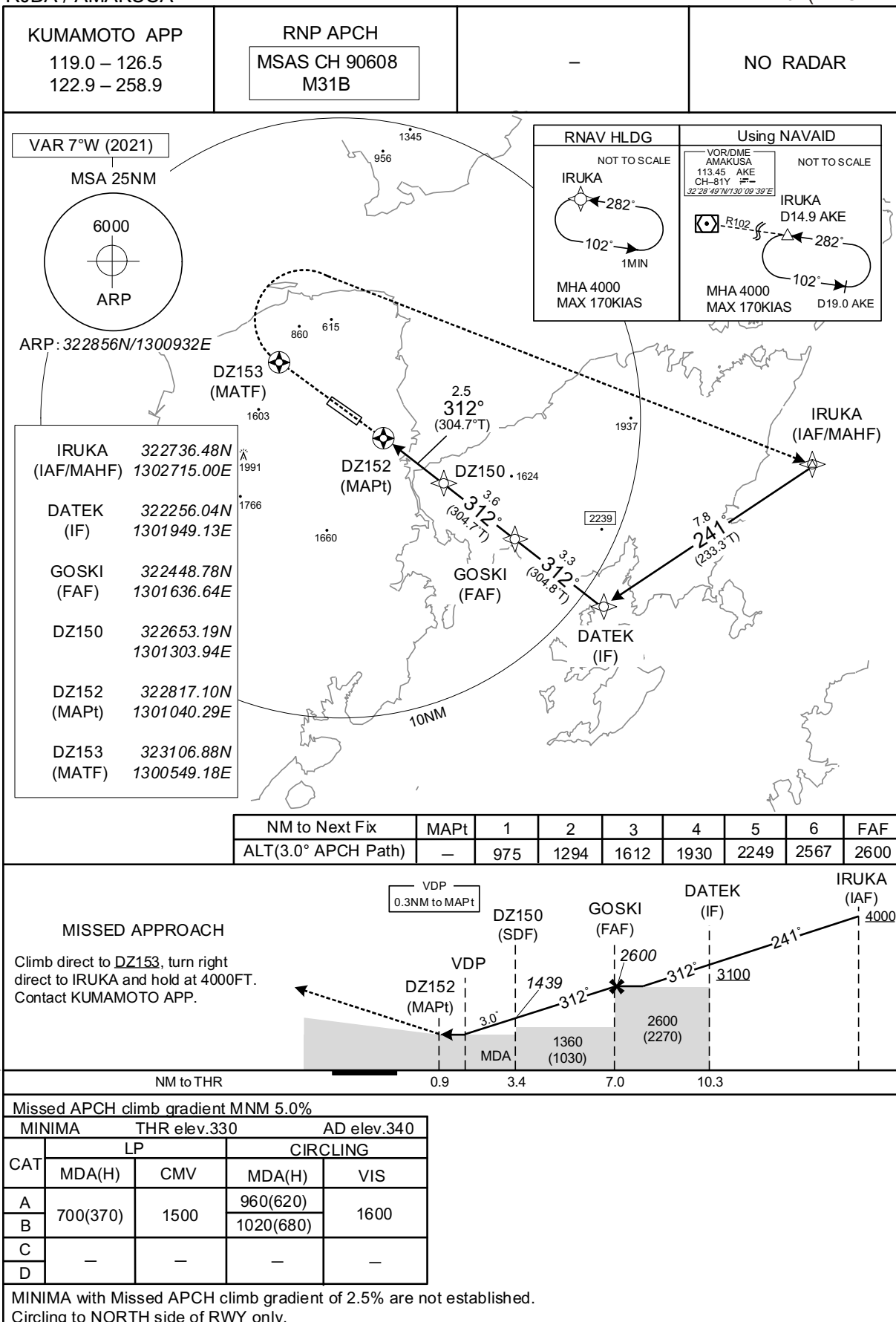


CHANGE:PROC renamed. Requirement for RNP.

## INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNP X RWY31(LP ONLY)



CHANGE:PROC renamed. Requirement for RNP:

## INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNP X RWY31(LP ONLY)

## FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+01335
SBAS service provider identifier	2	FPAP latitude	322918.9855N
Airport identifier	RJDA	FPAP longitude	1300854.2095E
Runway	31	Threshold crossing height	00012.2
Approach performance designator	0	TCH units selector	1
Route indicator	X	Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M31B	∠ length offset	0696
LTP/FTP latitude	322847.7745N	HAL	40.0
LTP/FTP longitude	1300947.6955E	VAL	0.0
CRC remainder	1980097D		

## Required additional data

LTP/FTP orthometric height	100.8
----------------------------	-------

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

RJDA / AMAKUSA

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).

CHANGE : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
口之津 Kuchinotsu	013°T / 7.7NM	港 Port
湯島 Yushima	051°T / 11.6NM	島 Island
通詞島 Tsujiishima	331°T / 4.7NM	島 Island
富岡 Tomioka	294°T / 7.6NM	岬 Cape
島子 Shimago	094°T / 4.9NM	漁港 Port
横島 Yokoshima	150°T / 7.6NM	島 Island

RJDA / AMAKUSA

LDG CHART



