

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> PKMJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-F	<u>CITY</u> MAJURO ATOLL	<u>STATE</u>		
<u>AIRPORT ELEVATION</u> 7	<u>TDZE</u> 7	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 12/31/2020	<u>MAG VAR</u> 10E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
WOZTI		ZIVZU		TF	FB	1.00	088.87	36.31	2000
EFAHU		NUGWO		TF	FB	1.00	223.49	15.35	2000
NUGWO	IAF	TOZTU	NOPT	TF	FB	1.00	224.11	5.14	1700
ZIVZU	IAF	TOZTU	NOPT	TF	FB	1.00	157.95	5.00	1700
TOZTU	IF/IAF	IMUFO		TF	FB	1.00	246.23	4.85	1700
IMUFO	FAF	RW25	MAP	TF	FO	0.30	246.22	5.15	
RW25	MAP	407 MSL		CA			246.22		
407 MSL		OGEVE		DF	FO	1.00			1700

**MISSED APPROACH**

**MAP:**

LNAV: RW25

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1700 DIRECT OGEVE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NE TOZTU, LT, 246.23 INBOUND, 1700 FT. IN LIEU OF PT (IAF), MAX 14000.

3. FAF: 246.22FAF: IMUFODIST FAF TO MAP: 5.15DIST FAF TO THLD: 5.15

4. MIN ALT: TOZTU 1700, IMUFO 1700

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS CLEARTCH:

8. MSA FROM: RW25 1300

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, PROCEDURE NA.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: UNCONTROLLED AIRSPACE BELOW 5500.

ADDITIONAL FLIGHT DATA:

CHART VDP: 1.28 NM TO RW25  
HOLD SW, RT, 066.19 INBOUND.  
CHART FAS OBST: 208 SHIP 070345N/1711722E.  
CHART CIRCLING ICON.  
IMUFO WP TO RW25: 3.00/54.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LNAV MDA	460	1	453	460	1	453	460	1 3/8	453	460	1 3/8	453			
CIRCLING	520	1	513	520	1	513	520	1 1/2	513	560	2	553			

CHANGES - REASONS

- 1) UPDATED PBN REQUIREMENTS NOTE FROM RNP APCH TO RNP-APCH-GPS - IAW 8260.19
- 2) ADDING ALTERNATE MINIMUMS BACK ONTO THE PROCEDURE - AIRPORT IS NOW REPORTING WEATHER ON AVIATIONWEATHER.GOV.
- 3) ADDED CHART PROFILE NOTE: VGSI AND RNAV GLIDE PATH NOT COINCIDENT (VGSI ANGLE {ANGLE} / TCH {FEET} - IAW 8260.19I PARA 8-6-9 M.
- 4) DOCUMENTED 34:1 PENETRATIONS - IAW 8260.19I PARA 8-7-1 C (11)



**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** DISTRICT ADMINISTRATOR MARSHALL, ZOA, ZAK, AMGR

**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE  
FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**OFFICE**

**DATE**

*Digitally signed by*

**DEVELOPED BY**

PETER GETZ

*Digitally signed by*

**PETER GETZ**

**DONALD H LANIER**

Mar 24, 2022

**OFFICE**

AJV-A431

**DATE**

02/02/2022

**APPROVED BY**

LONNIE EVERHART

Feb 10, 2022

*Digitally signed by*

**DONALD H LANIER**

Mar 24, 2022

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u> PKMJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>AMDT NO.</u> ORIG-F	<u>CITY</u> MAJURO ATOLL	<u>STATE</u>	<u>AIRPORT ELEVATION</u> 7	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM  
WOZTI

TO  
ZIVZU

<u>RNP</u>	<u>DISTANCE</u> 36.31	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.208' SHIPS	000000.00N/0000000.00E		208	50	10	2B	1000				AT792	2000
2.TERRAIN	070927.00N/1711224.00E		6 (0)									

COMPUTATIONS

ALT   KIAS   KTAS   HAA   VKTW   TR   BA   DTA   COURSE CHANGE   DVEB   VEB OCS   RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FEEDER

FROM  
EFAHU

TO  
NUGWO

<u>RNP</u>	<u>DISTANCE</u> 15.35	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.208' SHIPS	000000.00N/0000000.00E		208	50	10	2B	1000				AT792	2000
3.OVER WATER	000000.00N/0000000.00E		0 (0)									

COMPUTATIONS

ALT   KIAS   KTAS   HAA   VKTW   TR   BA   DTA   COURSE CHANGE   DVEB   VEB OCS   RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM  
NUGWO

TO  
TOZTU

RNP	DISTANCE 5.14	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.208' SHIPS	000000.00N/0000000.00E		208	50	10	2B	1000				AT492	1700
3.OVER WATER	000000.00N/0000000.00E		0 (0)									

COMPUTATIONS

ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM  
ZIVZU

TO  
TOZTU

RNP	DISTANCE 5.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.208' SHIPS	000000.00N/0000000.00E		208	50	10	2B	1000				AT492	1700
3.OVER WATER	000000.00N/0000000.00E		0 (0)									

COMPUTATIONS

ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM  
TOZTU (IF/IAF)

TO  
IMUFO

RNP	DISTANCE 4.85	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.208' SHIPS	000000.00N/0000000.00E		208	50	10	2B	500				DG992	1700
4.TERRAIN	070540.00N/1712239.00E		6 (0)									

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: LNAV

FROM  
IMUFO

TO  
RW25

RNP	DISTANCE 5.15	PAT	MAP RW25	HAT 453			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.SHIP	070345.00N/1711722.00E		208	50	20	2C	250					460

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

TO

TOZTU

P-6

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
P-6												
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
1.208' SHIPS	000000.00N/0000000.00E	208	50	10	2B	1000				AT492	1700	
4.TERRAIN	070540.00N/1712239.00E	6 (0)									0	

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM

TO

RW25

OGEVE

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
					360							
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
							ASC				1700	

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
6.SHIP'S MAST	070513.00N/1711700.00E	1.30	513	208	50	20	2C	300			520
CATEGORY B											
6.SHIP'S MAST	070513.00N/1711700.00E	1.81	513	208	50	20	2C	300			520
CATEGORY C											
6.SHIP'S MAST	070513.00N/1711700.00E	2.83	513	208	50	20	2C	300			520
CATEGORY D											
7.AAO	070346.00N/1711210.00E	3.70	553	233	50	20	2C	300		HAA	560

CIRCLING REMARKS:

MSA

CENTER  
RW25

RADIUS  
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	208' SHIPS	000000.00N/0000000.00E	000	00.0	208	50	10	2B	1000			1300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:





PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
ZOA ARTCC, ZAK ARTCC, PNI FSS

WX SERVICE CTAF	LOCATION PKMJ	HRS OPERATION 24	ALTIMETER SOURCE PKMJ	DISTANCE 0	SERVICE-A N	ADJUSTMENTS 0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS

WX REMARKS:

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW7 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		PIR-G	
RW25 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE 3.00	TCH 46.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	LNAV		
34:1			
34:1		TREE (MH-020357) 070402.50N/1711700.24E (1.04)	
TREE (MH-020340) 070403.41N/1711700.55E (0.5)			

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or  
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

OBSTACLE ENTRIES INITIALLY DID NOT HAVE A LAT/LONGITUDE - THESE WILL BE UPDATED DURING THE NEXT FULL AMENDMENT.

AIRSPACE CONTROLLED BY ZAK OCIANIC; UNCONTROLLED AIRSPACE BELOW 5500, AIRSPACE LETTER NOT REQUIRED.

208 FT SHIPS USED INSIDE AAO RING BASED ON PREVIOUS AMENDMENT.

33 FT HIGH TERRAIN USED FOR AAO ADDITION BASED ON IAPA 500K MAP TEXT: "MAJURO ISLAND ATOLL ISLAND ELEVATIONS DO NOT EXCEED 33 FEET."

PRECIPITOUS TERRAIN EVALUATION NOT COMPLETED, DTED NOT AVAILABLE IN THIS AREA.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



PART E: PREPARED BY

<u>NAME</u> PETER GETZ	<u>OFFICE</u> AJV-A431	<u>DATE</u> 02/02/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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