

**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</u> KETCHIKAN INTL	<u>AIRPORT ID</u> PAKT	<u>PROCEDURE NAME</u> RNAV (GPS)-B	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> KETCHIKAN	<u>STATE</u> AK	
<u>AIRPORT ELEVATION</u> 92	<u>TDZE</u>	<u>SUPERSEDED</u> RNAV (GPS)-B	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 09/25/2008	<u>MAG VAR</u> 21E	<u>EPOCH YEAR</u> 2010
<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><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
DWARF		GIRTS		TF	FB	2.00	105.89	25.95	4800
GIRTS	IAF	LATRY		TF	FB	1.00	024.65	8.04	4400
LATRY	IF	ROZMO		TF	FB	1.00	294.79	6.00	3600
ROZMO	FAF	RW29	MAP	TF	FO	0.30	294.70	5.00	
RW29	MAP	492 MSL		CA			294.70		
492 MSL		CLOYD		DF	FB	1.00			
CLOYD		DOOZI		TF	FO	1.00	296.20	16.29	5000

**MISSED APPROACH**

**MAP:**

RW29

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 5000 DIRECT CLOYD AND ON TRACK 296.20 TO DOOZI AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT LATRY

3. FAC:

294.70

FAF: ROZMO

DIST FAF TO MAP: 5.00

DIST FAF TO THLD:

4. MIN ALT: LATRY 4400, ROZMO 3600

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

HAT:

6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:

7. GP ANGLE:

34:1: IS CLEAR

20:1: IS CLEAR

TCH:

8. MSA FROM: RW29 5800

PBN REQUIREMENTS NOTE

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA NE OF RWY 29-11.

ADDITIONAL FLIGHT DATA:

ROZMO TO RW29: 6.49/49.4  
CHART CIRCLING ICON.  
FAS OBST: 988 AAO 551743N/1313848W.  
HOLD NW, RT, 128.54 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A 1900-2, CAT B 2600-2, CAT C, D 2800-3

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
CIRCLING	1980	1 1/4	1888	2620	1 1/2	2528	2880	3	2788	2880	3	2788			

CHANGES - REASONS

1. DELETED IF SDF WAGOV. - TO RESOLVE DTA ISSUE FROM IAF GIRTS.
2. CHANGED FAS OBST FROM 1006 AAO 551741N/1313843W TO 988 AAO 551743N/1313848W.- NEW EVALUATION RESULT.
3. ADDED CA LEG TO MISSED APPROACH. - IAW 8260.58A, 3-5-2.
4. REMOVED CHART NOTE: DME/DME RNP-0.30 NA. - ADDED PBN EQUIPMENT NOTE: RNP APCH.
5. DELETED CHART NOTE: PROCEDURE NA AT NIGHT. - ARPT MEETS CRITERIA FOR NIGHT OPS.
6. MDA/HAA CHANGED FROM CAT A 2440/2352 TO 1980/1888, CAT B FROM 2700/2612 TO 2620/2528, CAT C FROM 2900/2812 TO 2880/2788, CAT D FROM 3280/3192 TO 2880/2788. - NEW VG SURVEY 05/11/2012 AND APPLICATION OF CIRCLING ICON.
7. ADDED CHART NOTE: CIRCLING NA NE OF RWY 29-11. - TO OBTAIN LOWER MINIMUMS.
8. FAC CHANGED FROM 294.69 TO 294.70. - RESULT OF DELETING FIX WAGOV.
9. ADDED ALTERNATE MINIMUMS. - ALTIMETER SOURCE ON WMSCR AND DEEMED RELIABLE.



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<u>COORDINATED WITH:</u>					
A4A <input type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input checked="" type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> <u>OTHER:</u> AMGR.					
<u>FLIGHT CHECKED BY</u>			<u>OFFICE</u>	<u>DATE</u>	
<u>DEVELOPED BY</u>			<u>OFFICE</u>	<u>DATE</u>	
IVAN BLANCO			AJV-5432	03/22/2018	
<u>APPROVED BY</u>			<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
PATRICK MULQUEEN			AJV-5430		MANAGER



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

<u>AIRPORT</u> KETCHIKAN INTL	<u>AIRPORT ID</u> PAKT	<u>PROCEDURE NAME</u> RNAV (GPS)-B	<u>AMDT NO.</u> 1	<u>CITY</u> KETCHIKAN	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 92	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM DWARF TO GIRTS

RNP DISTANCE PAT MAP HAT HMAS  
25.95

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.AAO	551139.00N/1314630.00W	2727	1000	3	6A	2000					4800
2.TERRAIN	551139.00N/1314630.00W	2527 (2500)								AS1500	4000

COMPUTATIONS

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

SEGMENT  
REMARKS:

INITIAL

FROM GIRTS TO LATRY

RNP DISTANCE PAT MAP HAT HMAS  
8.04

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.AAO	551055.00N/1313104.00W	3105	50	20	2C	1000				PR200	4400
4.TERRAIN	551055.00N/1313104.00W	2905 (2900)								AS1500	4400

COMPUTATIONS

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

SEGMENT  
REMARKS:





MISSED APPROACH : LNAV

FROM

RW29

TO

DOOZI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
		2	RW29					1720			
<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>
							ASC				5000
8.AAO	553505.71N/1320736.96W	3344	50	20	2C	1000					4400
9.TERRAIN	553505.71N/1320736.96W	3144 (3100)								AS1500	4600

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											
10.TREE (02-027002)	552056.96N/1314513.53W	1.30	1888	1665	20	10	1B	300			1980
CATEGORY B											
11.TERRAIN (02-264579)	552050.66N/1314616.98W	1.86	2528	2317	20	10	1B	300			2620
CATEGORY C											
12.TOWER (02-020074)	552139.49N/1314745.87W	2.96	2788	2561	20	10	1B	300			2880
CATEGORY D											
12.TOWER (02-020074)	552139.49N/1314745.87W	3.91	2788	2561	20	10	1B	300			2880

CIRCLING REMARKS:

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



MSA

CENTER  
RW29

RADIUS  
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	554218.00N/1311454.00W	014	26.5	4781	1000	3	6A	1000			5800

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100 FT VEGETATION USED PER FPT.

NO TAA PER PREVIOUS ATC/FPT REQUEST.

FAF NOT AT PFAF LOCATION AND STRAIGHT IN MINIMUMS NOT DEVELOPED DUE TO EXCESSIVE DESCENT GRADIENT CAUSED BY THE INTERMEDIATE SEGMENT.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, KTN FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS-3	PAKT	24	PAKT	0	Y	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
RW11 - MALSR (PCL), HIRL (PCL), PAPI-4L		PIR-P	APPROACH, ROLL OUT
RW29 - MALSR (PCL), HIRL (PCL), PAPI-4L		PIR-P	APPROACH, ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.00	49.4

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	



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KETCHIKAN INTL	PAKT	RNAV (GPS)-B	1	KETCHIKAN	AK	92	RNAV

**CRITICAL TEMPERATURES**

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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**CRITICAL TEMPERATURE REMARKS:**

**"VISUAL PORTION OF FINAL" PENETRATIONS**

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

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

**PART C: GENERAL REMARKS:**

VDP NOT ESTABLISHED - CIRCLING ONLY PROCEDURE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FINAL APPROACH COURSE ALIGNED TO RWY 29 THLD.

REMOTE LOCATION PRECLUDES BACK-UP ALTIMETER SOURCE.





<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
KETCHIKAN INTL	PAKT	RNAV (GPS)-B	1	KETCHIKAN	AK	92	RNAV

**PART D: AIRSPACE**  
**DOCKET #**

**ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE**

DISTANCE FROM	THLD*	TO 1000FT POINT	0.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.06
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	315.70
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	509
DISTANCE FROM		TO 1500FT POINT	0.00
WIDTH OF		SEGMENT AT 1500FT POINT	1.06
TRUE COURSE OF		SEGMENT CONTAINING 1500FT POINT	315.70
HIGH TERRAIN IN		SEGMENT CONTAINING 1500FT POINT	509

**THRESHOLD COORDINATES (IF STR-IN)** 552048.27N/1314155.00W

**ARP COORDINATES** 552114.70N/1314240.40W

**RUNWAY APCH END AND DIST FURTHEST FROM ARP** RUNWAY 29 DISTANCE 0.62 NM

**FAF COORDINATES**

**FIX NAME COORDINATES**

**REMARKS**  
NO ADDITIONAL AIRSPACE REQUIRED.

\* MINIMUMS DUE TO MISSED APPROACH SEGMENT KEEP AIRCRAFT MORE THAN 1000 FT ABOVE TERRAIN ON FINAL.



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
KETCHIKAN INTL	PAKT	RNAV (GPS)-B	1	KETCHIKAN	AK	92	RNAV

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PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
IVAN BLANCO	AJV-5432	03/22/2018	AERONAUTICAL INFORMATION SPECIALIST

