

Flight Procedure Tracking Form		Action: FLIGHT CHECK	Task Type: IAP	Date Open: 07/17/2012	Task #: 2012071727542301005	Request #: 20120717275423
Procedure: RNAV (GPS)-E AMDT 1			Airport ID: PAWG	Airport: WRANGELL		Reimbursable #:
City: WRANGELL		ST: AK	GPS #:		Estimated Chart Date: 06/27/2013	FICO #:
Fac ID:	Fac. Type: LNAV		Specialist: JIMMY HUGHES			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	09/07/2012	02/15/2013	PETER GETZ	MAG VAR ^{PI}
QA:	02/15/2013	02/15/2013	SCOTT BEARD	
Liaison:	02/15/2013		<i>Sputnik</i>	

Procedure Comments: ENROUTE **Remark Type:** INFORMATION *pgs 2 of 2*

WRANGELL, AK WRANGELL (PAWG) RNAV (GPS)-E, AMDT 1 ENROUTE-YES FC: 4.30.13 PUB: 6.27.13

ATTACHED FORMS: 8260-7; 8260-10; 8260-9; 8260-2(S): CESEP, REV 1; FAPUK, REV 1; FORGID, REV 1; HAXIX, REV 1; JENEP, REV 1; OKAYI, REV 1; SUMNER STRAIT (SQM) NDB, REV 7; VAZPU, REV 1.

CONTACT: PETE GETZ/LONNIE EVERHART-AVN-130 LEADS, 405.954.2079/ 405.954.4576.

SPECIAL

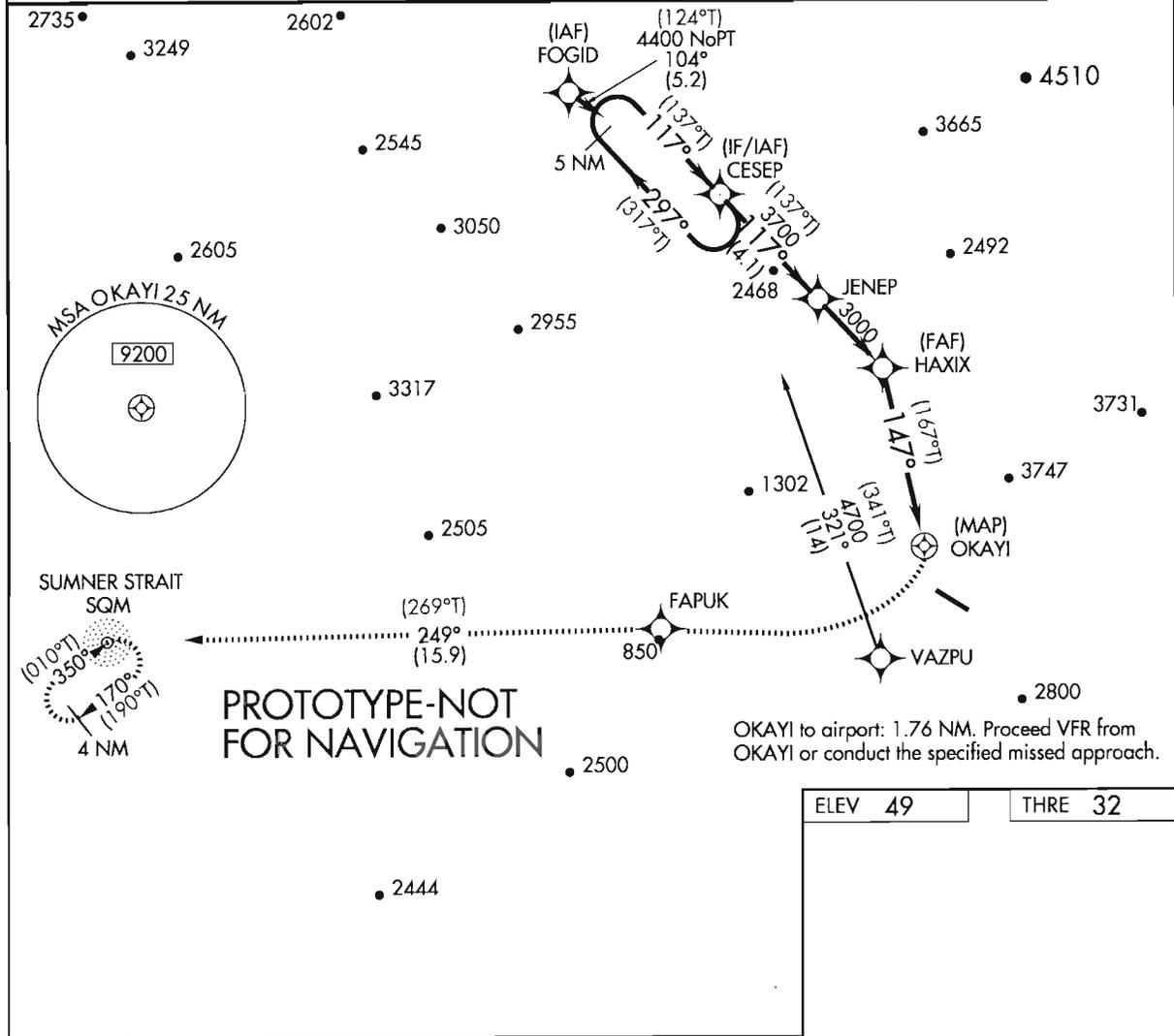
**RNAV (GPS)-E
WRANGELL (WRG) (PAWG)**

APP CRS 147°	Rwy Idg THRE Apt Elev 49	N/A 32 49
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▼ DME/DME RNP-0.3 NA.
▲ Procedure not contained within controlled airspace. For use by aircraft equipped with dual operational TSO C145A/146A WAAS compatible receivers. Use of this procedure requires specific authorization by Faa flight standards.

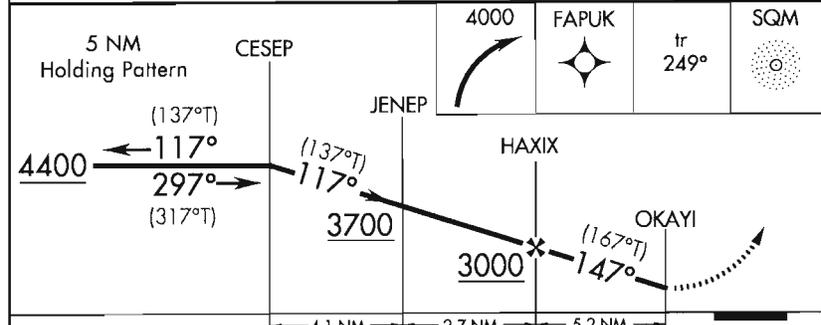
MISSED APPROACH: Climbing right turn to 4000 direct FAPUK then on track 249° to SUMNER STRAIT NDB and hold.

AWOS-3 128.5	ANCHORAGE CENTER 118.0	SITKA RADIO 122.45	CTAF 122.6 ①
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OKAYI to airport: 1.76 NM. Proceed VFR from OKAYI or conduct the specified missed approach.

ELEV 49	THRE 32
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VAZPU:	5627.400°/13225.933'
FOGID:	5643.522°/13242.036'
CESEP:	5640.625°/13234.183'
JENEP:	5637.636°/13229.110'
HAXIX:	5635.667°/13225.776'
OKAYI:	5630.611°/13223.660'
FAPUK:	5628.272°/13237.261'
SQM:	5627.875°/13305.843'

CATEGORY	A	B	C	D
LNAV MDA	740-1¾	708 (700-1¾)	NA	

REIL Rwy 10 and 28 **①**
 HIRL Rwy 10-28 **①**

**U.S. DEPARTMENT OF TRANSPORTATION --
FEDERAL AVIATION ADMINISTRATION -- FLIGHT STANDARDS SERVICE
RNAV SPECIAL INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE**

Bearings, headings, courses, 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 in feet RVR.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be conducted in accordance with a charted instrument approach procedure predicted on the specifications contained herein, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Minimum altitudes shall correspond with those established for en route operation in the particular area or as set forth below.

SPECIFICATION - NOT FOR COCKPIT USE

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: LNAV: OKAYI
VAZPU	CESEP (FO)	321.05 / 14.02	4700	CLIMBING RIGHT TURN TO 4000 DIRECT FAPUK THEN ON TRACK 248.76 TO SQM NDB AND HOLD.
FOGID (IAF)	CESEP (NOPT) (FB)	103.79 / 5.21	4400	
CESEP (IF/IAF)	JENEP (FB)	116.89 / 4.10	3700	
JENEP (SEE FORM 8260-10)	HAXIX (FB)	116.95 / 2.70	3000	

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	ADDITIONAL FLIGHT DATA: HOLD S, RT, 350.38 INBOUND. FAS OBST: 223 AAO 563457N/1322530W OBST: 761 AAO 563539N/1322500W MAG VAR: 20E EPOCH YEAR: 2015
2. HOLD NW CESEP, RT, 116.89 INBOUND, 4400 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>146.97</u> FAF: <u>HAXIX</u> DIST FAF TO MAP: <u>5.20</u> THLD: <u> </u>	
4. MIN. ALT: CESEP 4400, JENEP 3700, HAXIX 3000	
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>	
6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u> </u> TCH: <u> </u>	
8. MSA FROM: OKAYI 9200	

MINIMUMS															
TAKEOFF:	SEE FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	740	1 3/4	708	740	1 3/4	708		NA			NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: PROCEDURE NOT CONTAINED WITHIN CONTROLLED AIRSPACE
 CHART NOTE: FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS.
 CHART PLANVIEW NOTE: OKAYI TO AIRPORT: 1.76 NM. PROCEED VFR FROM OKAYI OR CONDUCT THE SPECIFIED MISSED APPROACH.



CITY AND STATE WRANGELL, AK	ELEVATION: 49 THRE: 32	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-E, AMDT 1, 06/27/2013	SUP:
	AIRPORT NAME: WRANGELL			AMDT: ORIG
				DATED: 09/24/2004

NOTES CONTINUED:

CHART NOTE: USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.

CHANGES/REASONS (DO NOT CHART)

(SEE FORM 8260-10)

AIR CARRIER NOTES:

The procedure on the other side and the foregoing data are hereby:

FLIGHT CHECKED BY

NAME:

PENDING

FIFO

DATE:

DEVELOPED BY

NAME:

JIMMY S. HUGHES

FIFO

AJV-354

DATE:

11/20/2012

RECOMMENDED BY

NAME:

DEBORAH COPELAND

MANAGER

FIFO

AJV-354

DATE:

APPROVED BY

NAME:

REGION, FLT STANDARDS

DATE:

OPERATIONS SPECIFICATIONS -- AIRPORT

_____ holding Air Carrier Operating Certificate No. _____

hereby acknowledges receipt of Operations Specifications

to operate into and out of the airport named on the other side as a Regular, Refueling, Alternate, Provisional for _____

airport with the following type aircraft:

Unless otherwise authorized in the Operations Specifications - Airport, an instrument approach of this type shall be conducted in accordance with the procedure specified on the other side and the air carrier minimums specified above with the following exceptions:

DATE: _____ RECEIVED FOR THE AIR CARRIER BY: _____ TITLE: _____

AMENDMENT NO. _____ SIGNATURE _____

BY DIRECTION OF THE ADMINISTRATOR _____

SIGNATURE

TITLE

EFFECTIVE DATE: _____



**RNAV SPECIAL INSTRUMENT APPROACH PROCEDURE --
FLIGHT STANDARDS SERVICE - SPECIAL**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HAXIX (FAF)	OKAYI (MAP) (FO)	146.97 / 5.20	
OKAYI (MAP)	449 MSL		
449 MSL	FAPUK (FB)		
FAPUK	SQM NDB (FO)	248.76 / 15.86	4000

NOTES, (CONT.):

CHANGES:

1. REMOVED FINAL SDF OBECE AND GALYE.
2. INCREASED MDA FROM 720 TO 740.
3. INCREASED FAF ALTITUDE FROM 2800 TO 3000.
4. INCREASED HOLD-IN-LIEU ALTITUDE FROM 4200 TO 4400.
5. INCREASED FEEDER FROM VAZPU FROM 4200 TO 4700.
6. INCREASED INITIAL FROM FOGID FROM 4200 TO 4400.
7. ALL COURSES AND HEADINGS CHANGED.
8. MOVED CESEP (IF) .80 NM NE.
9. REMOVED BACK-UP ALTIMETER SETTING.

REASONS:

1. NO LONGER NEEDED.
2. HIGHER FAF ALTITUDE REQUIRED INCREASE IN MDA TO ACHIEVE CAT A/B STRAIGHT IN MINIMUMS.
- 3-6. NEW CONTROLLING OBSTACLES.
7. AIRPORT MAGVAR UPDATED FROM 24E TO 20E.
8. MOVED TO A LOCATION TO ALLOW LOWER HOLD-IN-LIEU ALTITUDE.
9. REQUESTED BY FPT.

QUALITY
CHECKED

CITY AND STATE WRANGELL, AK	ELEVATION: 49	THRE: 32	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS)-E, AMDT 1, 06/27/2013	SUP:
	AIRPORT NAME: WRANGELL				AMDT: ORIG
					DATED: 09/24/2004

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE							
COORDINATED WITH: <table style="width: 100%; border: none;"> <tr> <td style="text-align: center; padding: 2px;">ATA <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">AAT <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">ALPA <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">APA <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">AOPA <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">NBAA <input type="checkbox"/></td> <td style="text-align: center; padding: 2px;">OTHER (specify) <input type="checkbox"/> _____</td> </tr> </table>			ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>	OTHER (specify) <input type="checkbox"/> _____
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>	OTHER (specify) <input type="checkbox"/> _____			
FLIGHT CHECKED BY									
NAME:	FIFO	DATE:							
DEVELOPED BY									
NAME:	FIFO	DATE:							
APPROVED BY									
NAME:	FIFO	DATE:							
CHANGES:									
REASONS:									

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
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COORDINATED WITH:						
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>	OTHER (specify) <input type="checkbox"/> _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	NFPG	DATE:

APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
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COORDINATED WITH:						
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>	OTHER (specify) _____ <input type="checkbox"/>

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	NFPG	DATE:

APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	FOGID	FOGID	010	IAF	IF		FB					
	FOGID	CESEP	020		TF		FB	1.0	103.8 (123.8T)	005.2	AA 04400	
	VAZPU	VAZPU	010		IF		FB					
	VAZPU	CESEP	020		TF		FO	2.0	321.1 (341.1T)	014.0	AA 04700	
	VAZPU	CESEP	030	IAF	HF	R	FO		116.9 (136.9T)	005.0	AA 04400	
		CESEP	010	FACF	IF		FB				AA 04400	
		JENEP	011	SDF	TF		FB	0.5	116.9 (136.9T)	004.1	AA 03700	
		HAXIX	020	FAF	TF		FB	0.5	117.0 (137.0T)	002.7	AA 03000	
		OKAYI	030	MAP	TF		FO	0.3	147.0 (167.0T)	005.2	AT 00740	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		147.0 (167.0T)		AA 00449	
	FAPUK	050		DF	R	FB				AA 04000	
	SQM	060		TF		FO	1.0	248.8 (268.8T)		AA 04000	
	SQM	070		HM	R	FO		350.4 (010.4T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SQM	N562752.49	W1330550.55	N5627.875	W13305.843
	CESEP	N564037.48	W1323410.96	N5640.625	W13234.183
	FAPUK	N562816.29	W1323715.67	N5628.272	W13237.261
	FOGID	N564331.30	W1324202.17	N5643.522	W13242.036
	HAXIX	N563533.99	W1322546.55	N5635.567	W13225.776
	JENEP	N563738.17	W1322906.58	N5637.636	W13229.110
	OKAYI	N563036.64	W1322339.60	N5630.611	W13223.660
	VAZPU	N562724.00	W1322556.00	N5627.400	W13225.933
	RW10	N563036.64	W1322339.60	N5630.611	W13223.660

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	00032	52

QUALITY
9
CHECKED

CITY AND STATE WRANGELL, AK	ELEVATION: 49	THRE: 32	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: WRANGELL		RNAV	RNAV (GPS)-E, AMDT 1	AMDT: ORIG
					DATED: 09/24/2004

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.	
FEEDER	VAZPU	CESEP	1. AAO	563827.10N/1323124.50W	2668 (6A)	2000		4700	
			2. TERRAIN	563827.10N/1323124.50W	2468 (2500)		AS1500	4000	
INITIAL	FOGID	CESEP	3. AAO	564136.00N/1324630.00W	1840 (4E)	1000	SA-984 PR270 AT2274	4400	
			4. TERRAIN	563954.00N/1323742.00W	650 (700)		AS1500	2200	
INTERMEDIATE	CESEP (IF/IAF)	JENEP	1. AAO	563827.10N/1323124.50W	2668 (6C)	500	PR260 AT272	3700	
			2. TERRAIN	563827.10N/1323124.50W	2468 (2500)		AS1000	3500	
INTERMEDIATE: STEPDOWN	JENEP	HAXIX	5. AAO	563851.00N/1322454.00W	2507 (4E)	500	@AC53 PR240 SA-391 AT91	3000	
			6. TERRAIN	563812.00N/1322530.00W	1716 (1700)		AS1000	2700	
FINAL: LNAV	HAXIX	OKAYI	7. AAO	563457.00N/1322530.00W	223 (4E)	250	@AC53 PR200	740	
2. HOLD-IN-LIEU-OF-PT	CESEP	P-6	8. AAO	563945.00N/1324830.00W	3025 (4E)	1000	PR370	4400	
			9. TERRAIN	563945.00N/1324830.00W	2825 (2800)		AS1500	4300	
3. MISSED APPROACH	MAP:	OKAYI	SQM NDB			ASC		4000	
	ELEV:	620		10. AAO	563054.00N/1324918.00W	2687 (4E)	1000	PR240 SA-346	3600
				11. TERRAIN	562630.00N/1324530.00W	1405 (1400)		AS1500	2900
4. CIRCLING AREA		DISTANCE	HT. ABV. ARPT.						
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL					
CATEGORY B	1.5 NM		450						
CATEGORY C	1.7 NM		450						
CATEGORY D	2.3 NM		550						
CATEGORY E	4.5 NM		550						
5. MINIMUM SAFE ALTITUDES									
					PRIMARY NAVAID: OKAYI				
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	358/ 28.0	8150 (6C)	9200					
CITY AND STATE		ELEVATION: 49	FACILITY		PROCEDURE AND AMENDMENT NO:		REGION		
WRANGELL, AK		AIRPORT NAME: WRANGELL	RNAV		RNAV (GPS)-E, AMDT 1, 06/27/2013		AAL		

QUALITY
 CHECKED
 9

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:		2. WEATHER SERVICE		3. ALTIMETER SETTING	
SIT FSS ZAN ARTCC		N W S	OTHER: AWOS-3	SOURCE:PAWG	
		FAA		DISTANCE: 0	
SATISFACTORY ON:		X	A / C	HOURS REMOTE OPERATION:	
X	V H F	X	U H F	H F	LOCATION: PAWG
4. MONITOR STATUS		PRIMARY NAVAID:			
		MONITOR POINT:			
HRS OPTN:		CAT 1			
		CAT 3			
5. APPROACH & RUNWAY LIGHTING		ALS			
		(S) SALS			
		MALS			
X		HIRL 10 (PCL), 28 (PCL)			
		MIRL			
X		REIL 10 (PCL), 28 (PCL)			
		TDZ			
		C/LINE			
X		OTHER (SPECIFY) VASI-4L 10 (PCL), 28 (PCL)			
6. RUNWAY MARKINGS		BASIC			
		ALL WEATHER PIR-G 10, 28			
		INSTRUMENT			
7. RUNWAY VISUAL RANGE		APPROACH			
		MIDFIELD			
		ROLL OUT			
8. GLIDE PATH		GP ANGLE:		ELEV RWY THRESHOLD:	
		DISTANCE FROM RWY:		ELEV GP ANTENNA:	
				THRESHOLD CROSSING HEIGHT:	
9. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD		FT. FROM THRESHOLD	
		ON CENTERLINE		FT. FROM CENTERLINE	
10. WAIVERS: 2 ORDER 8260.19D, PARAGRAPH 8-54A; IF CRITERIA DO NOT PERMIT AUTHORIZING STRAIGHT-IN MINIMUMS, PUBLISH CIRCLING MINIMUMS ONLY. ORDER 8260.3B, VOLUME 1, PARAGRAPH 252; VERTICAL DESCENT ANGLE GREATER THAN 3.77 DEGREES					
PART D - PREPARED BY: JIMMY S. HUGHES				DATE: 11/20/2012	
TITLE: AERONAUTICAL INFORMATION SPECIALIST				OFFICE: AJV-354	

PART C - REMARKS:
VDP NOT ESTABLISHED - POINT IN SPACE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

BLOCK 9: PROCEDURE ALIGNED TO A POINT IN SPACE TO ALLOW FOR LOWEST MINIMUMS: OKAYI (MAP) IS LOCATED 1.36 NM FROM RWY 10 AND 2.19 NM FROM RWY 28.

WAIVER: FAAO 8260.19D PARA 8-54A IF CRITERIA DO NOT PERMIT AUTHORIZING STRAIGHT-IN MINIMUMS, PUBLISH CIRCLING MINIMUMS ONLY.

WAIVER: FAAO 8260.3B VOL 1 PARA 252 VERTICAL DESCENT ANGLE GREATER THAN 3.77 DEGREES

NO ADDITIONAL AIRSPACE REQUIRED PER 8260.19 PARAGRAPH 4-3C, PROCEDURE NOT CONTAINED WITHIN CONTROLLED AIRSPACE.

@IPDS AC USED.

CIRCLING AREA NOT EVALUATED, POINT IN SPACE APPROACH PROCEEDING VFR AFTER THE MAP. NO ROC EVALUATION CONDUCTED EXCEPT IN THE CASE OF MISSED APPROACH FROM THE MAP.

148' TREE AND 200' SHIP HEIGHT USED.

HAA DETERMINED FROM AIRPORT OF INTENDED LANDING.

DESCENT GRADIENT IS CALCULATED FROM FAF ALTITUDE TO MDA ALTITUDE.
3000-740 = 2260/5.20
435 FT PER NM = 4.09 DEGREES.

VISIBILITY INCREASED TO 1 3/4 VICE 1 1/4 FROM IPDS BUILD. VISIBILITY CALCULATED FROM MAP TO RWY 10 (1.36 NM) CONVERTED TO SM AND ROUNDED TO NEXT REPORTABLE VALUE.

PSUEDO RUNWAY PUT IN BY DATA BRANCH SO PROCEDURE COULD BE BUILT IN IPDS. PROCEDURE OFFSET BY 44 DEGREES FROM RWY 10 THRESHOLD. PROCEDURE DEVELOPED TO A POINT IN SPACE FOR LOWEST POSSIBLE MDA PER CAPSTONE PHASE II PROCEDURE DEVELOPMENT IN SOUTHEAST ALASKA. AIRCRAFT WILL EXECUTE MISSED APPROACH AT THE MAP OR CANCEL IFR AND PROCEED VFR TO THE AIRPORT.

BLOCK 2:
HRS : 24
ON SERVICE A: Y

TERPS 289 APPLIED TO 761 AAO 563539N/1322500W

QUALITY
9
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CESEP

STATE: AK

COUNTRY: US

LATITUDE/LONGITUDE: 564037.48N/1323410.96W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX RESTRICTIONS:

SPECIAL RNAV (GPS)-E, PAWG, WRANGELL, AK

FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS.

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NW		WP	296.89	116.89	R	5	4400 6000	6 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	563945.00N/1324830.00W	3025	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	370

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

HOLDING PATTERN OUTSIDE CONTROLLED AIRSPACE, SPECIAL PROCEDURE.

REMARKS:

HOLDING OBSTACLE 10728 FEET INTO SECONDARY.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS)-E		1	PAWG	WRANGELL	AK (US)

REQUIRED CHARTING: SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/27/2013

REASON FOR REVISION:

1. MOVED FIX .80 NM NE.
2. CHANGED HOLDING PATTERN FROM 112.90 TO 116.89.
3. UPDATED HOLDING OBSTACLE AND ADDED PRECIPITOUS TERRAIN REMARK.
4. RAISED HOLDING PATTERN FROM 4200 TO 4400.

DEVELOPED BY: DATE: 11/16/2012 OFFICE: AJV-354 NAME: JIMMY HUGHES

APPROVED BY: DATE: OFFICE: AJV-354 NAME: DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: FAPUK

STATE: AK

COUNTRY: US

LATITUDE/LONGITUDE: 562816.29N/1323715.67W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX RESTRICTIONS:

SPECIAL RNAV (GPS)-E, PAWG, WRANGELL, AK
SPECIAL SUMNER (RNAV), PAWG, WRANGELL, AK

FOR US BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS.

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
IAP

USE TITLE
SUMNER (RNAV)
RNAV (GPS)-E

FAC PAT

AIRPORT IDENT
PAWG
PAWG

CITY
WRANGELL
WRANGELL

STATE
AK (US)
AK (US)

REQUIRED CHARTING: SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/27/2013

REASON FOR REVISION:

1. REMOVED FAC 1, NO LONGER REQUIRED.
2. MOVED FIX 2305 FT NW.
3. UPDATED FIX USE.

DEVELOPED BY:

DATE: 11/16/2012

OFFICE: AJV-354

NAME: JIMMY HUGHES

APPROVED BY:

DATE:

OFFICE: AJV-354

NAME: DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: FOGID **STATE:** AK **COUNTRY:** US
LATITUDE/LONGITUDE: 564331.30N/1324202.17W **TYPE:** WP
AIRSPACE DOCKET: 12-AAL-10 **FIX TYPE OF ACTION:** MODIFY

FIX RESTRICTIONS:
SPECIAL RNAV (GPS)-E, PAWG, WRANGELL, AK

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
RESTRICTED - FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS.

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE	NON-PART 95 RNAV ROUTE					AK (US)
EN ROUTE	T266					AK (US)
EN ROUTE	RNAV (GPS)-E			PAWG	WRANGELL	AK (US)
IAP						

REQUIRED CHARTING: CONTROLLER, EN ROUTE LOW, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 06/27/2013

REASON FOR REVISION:
DELETED FAC 1 YICAX.
ADDED ENROUTE CHARTING REQUIRED.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/19/2012 **OFFICE:** AJV-312 **NAME:** LORETTA ZUEST

APPROVED BY: **DATE:** **OFFICE:** AJV-312 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: NFDC
FPO: ANC
ARTCC: ZAN
ATC FACILITY:
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: HAXIX

STATE: AK

COUNTRY: US

LATITUDE/LONGITUDE: 563533.99N/1322546.55W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX RESTRICTIONS:

SPECIAL RNAV (GPS)-E, PAWG, WRANGELL, AK

FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS)-E

FAC PAT

AIRPORT IDENT
PAWG

CITY
WRANGELL

STATE
AK (US)

REQUIRED CHARTING: SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/27/2013

REASON FOR REVISION:

1. REMOVED FAC 1, NO LONGER REQUIRED.

DEVELOPED BY:

DATE: 11/16/2012

OFFICE: AJV-354

NAME: JIMMY HUGHES

APPROVED BY:

DATE:

OFFICE: AJV-354

NAME: DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: JENEP

STATE: AK

COUNTRY: US

LATITUDE/LONGITUDE: 563738.17N/1322906.58W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX RESTRICTIONS:

SPECIAL RNAV (GPS)-E, PAWG, WRANGELL, AK

FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS)-E

FAC PAT

AIRPORT IDENT
PAWG

CITY
WRANGELL

STATE
AK (US)

REQUIRED CHARTING: SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/27/2013

REASON FOR REVISION:

1. REMOVED FAC 1, NO LONGER REQUIRED.

DEVELOPED BY:

DATE: 11/16/2012

OFFICE: AJV-354

NAME: JIMMY HUGHES

APPROVED BY:

DATE:

OFFICE: AJV-354

NAME: DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER:

QUALITY
9
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OKAYI

STATE: AK

COUNTRY: US

LATITUDE/LONGITUDE: 563036.64N/1322339.60W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX RESTRICTIONS:

SPECIAL RNAV (GPS)-E, PAWG, WRANGELL, AK

FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS)-E

FAC PAT

AIRPORT IDENT
PAWG

CITY
WRANGELL

STATE
AK (US)

REQUIRED CHARTING: SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/27/2013

REASON FOR REVISION:

1. REMOVED FAC 1, NO LONGER REQUIRED.

DEVELOPED BY:

DATE: 11/16/2012

OFFICE: AJV-354

NAME: JIMMY HUGHES

APPROVED BY:

DATE:

OFFICE: AJV-354

NAME: DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: SUMNER STRAIT NDB

STATE: AK

COUNTRY: US

LATITUDE/LONGITUDE: 562752.49N/1330550.55W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	SUMNER STRAIT	SQM	NDB	H-SAB							45000

FIX RESTRICTIONS:

SPECIAL LDA/DME-A, PAPG, PETERSBURG, AK
 SPECIAL RNAV(GPS)-E, PAWG, WRANGELL, AK
 SPECIAL SUMNER (RNAV), PAWG, WRANGELL, AK

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SE	SQM	NDB	120.29	300.29	R	1		7000	10000	8	9
2	S		WP	170.38	350.38	R		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	563454.80N/1325159.00W	3517	6A
1	230	AAO	562041.30N/1325144.30W	2644	4E
2	200	AAO	562315.00N/1325706.00W	1572	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	230	163
1	230	117
2	200	160

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6000.
 HOLDING PATTERN 2 RESTRICTED FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JUNEAU			PAJN	JUNEAU	AK (US)
DP	KAKE			PAFE	KAKE	AK (US)
DP	SUMNER (RNAV)		2	PAWG	WRANGELL	AK (US)
EN ROUTE	A15					(US)
EN ROUTE	B37					(US)
EN ROUTE	CAPSTONE NON-PART 95		2			(US)
EN ROUTE	R51					(US)
IAP	NDB/DME RWY 11			PAFE	KAKE	AK (US)
IAP	LDA/DME-A		1	PAPG	PETERSBURG	AK (US)
IAP	LDA/DME-D		1	PAPG	PETERSBURG	AK (US)
IAP	RNAV(GPS)-E		2	PAWG	WRANGELL	AK (US)

REQUIRED CHARTING: DP, IAP, SPECIAL IAP, AREA, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 06/27/2013

REASON FOR REVISION:

- UPDATED PAT 2 OBSTACLE FROM 1237 TO 1572.
- ADDED PRECIPITOUS TERRAIN ADJUSTMENT OF 160 TO PAT 2.

DEVELOPED BY: DATE: 11/28/2012 OFFICE: AJV-354 NAME: JIMMY HUGHES

APPROVED BY: DATE: OFFICE: AJV-354 NAME: DEBORAH COPELAND

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: WST
 ARTCC: ZAN
 ATC FACILITY:
 OTHER: SIT FSS



RADIO FIX AND HOLDING DATA RECORD

NAME: VAZPU

STATE: AK

COUNTRY: US

LATITUDE/LONGITUDE: 562724.00N/1322556.00W

TYPE: WP

AIRSPACE DOCKET: 12-AAL-10

FIX TYPE OF ACTION: MODIFY

FIX RESTRICTIONS:

SPECIAL RNAV (GPS) - E, PAWG, WRANGELL, AK

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

RESTRICTED - FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	NON-PART 95 RNAV ROUTE (SPECIAL)					AK (US)
EN ROUTE	T266					AK (US)
IAP	RNAV (GPS) - E		PAWG		WRANGELL	AK (US)

REQUIRED CHARTING: CONTROLLER, EN ROUTE LOW, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 06/27/2013

REASON FOR REVISION:

DELETED FAC 1 YICAX
ADDED ENROUTE LOW TO REQUIRED CHARTING
UPDATED FIX USE

DEVELOPED BY:

DATE: 10/24/2012

OFFICE: AJV-312

NAME: LORETTA ZUEST

APPROVED BY:

DATE:

OFFICE: AJV-312

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: ANC
ARTCC: ZAN
ATC FACILITY:
OTHER:



US Department of Transportation Federal Aviation Administration	FLIGHT STANDARDS USE ONLY CONTROL NO:		
<p style="text-align: center;">FLIGHT PROCEDURES STANDARDS WAIVER</p> <p>1. Flight Procedure Identification: WRANGELL WRANGELL, AK RNAV (GPS)-E (SPECIAL)</p>			
<p>2. Waiver Required and Applicable Standard:</p> <p>8260.3B, PARA 252, VERTICAL DESCENT ANGLE, ...WHEN A VGSI IS NOT INSTALLED OR NOT WITHIN THE STANDARD RANGE, OR FINAL IS CIRCLING ALIGNED, DESIGN PROCEDURES AT THE OPTIMUM VDA WHEN POSSIBLE...</p>			
<p>3. Reason for Waiver (<i>Justification for nonstandard treatment</i>):</p> <p>VDA INCREASED FROM 3.77 TO 4.09 DUE TO RAISING THE FAF ALTITUDE 200 FEET, PRIOR SEGMENT OBSTACLE REQUIREMENT. IF THE WAIVER IS NOT APPROVED THE MDA WILL INCREASE AN ADDITIONAL 180 FEET. ADDITIONALLY, THE ALIGNMENT OF THE PROCEDURE IS DESIGNED TO JOIN CAPSTONE EN ROUTE STRUCTURE .</p>			
<p>4. Equivalent Level of Safety Provided:</p> <p>1. PROCEDURE LIMITED TO CAT A AND B AIRCRAFT. 2. PROCEDURE WILL BE APPROVED BY FAA FLIGHT INSPECTION, TO INCLUDE FLYABILITY. 3. USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.</p>			
<p>5. How Relocation or Additional Facilities Will Affect Waiver Requirement: NA</p>			
<p>6. Coordination With User Organizations (Specify):</p> <p>AJV 354_____</p>			
7. SUBMITTED BY			
DATE:	Office Identification: AJV-35	Title: Greg Yamamoto, Manager, Terminal Products Group	Signature:

Signature:	Routing Symbol:	Date:
<p style="text-align: right;">Comments:</p>		
<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required	9. AFS ACTION	
<p style="text-align: right;">Comments:</p>		
8. CONTINUATION		

US Department of Transportation Federal Aviation Administration		FLIGHT PROCEDURES STANDARDS WAIVER		FLIGHT STANDARDS USE ONLY	
				CONTROL NO:	
1. Flight Procedure Identification: WRANGELL WRANGELL, AK RNAV (GPS)-E (SPECIAL)					
2. Waiver Required and Applicable Standard: CIRCLING MINIMUMS ARE NOT PUBLISHED NOR EVALUATED FOR OBSTACLE CLEARANCE 8260.19 PARAGRAPH 8-54A: ...IF CRITERIA DO NOT PERMIT AUTHORIZING STRAIGHT-IN MINIMUMS, PUBLISH CIRCLING MINIMUMS ONLY.					
3. Reason for Waiver (<i>Justification for nonstandard treatment</i>): TO OBTAIN THE LOWEST POSSIBLE MINIMUM DESCENT ALTITUDE (MDA) THE PROCEDURE IS ALIGNED TO A POINT IN SPACE ADJACENT TO THE LANDING SURFACE BUT TERMINATES AT THE MAWP LOCATED 1.75 NM FROM THE ARP, 1.36 NM FROM RWY 10 THLD, TO ENSURE AIRCRAFT CAN DESCEND TO THE LOWEST POSSIBLE MDA ENABLES AIRCRAFT TO ACQUIRE THE LANDING ENVIRONMENT. IF THE APPROACH IS BUILT TO THE AIRPORT AND CIRCLING MINIMUMS ARE EVALUATED THE MDA WILL INCREASE 640 FEET. ADDITIONALLY, THE ALIGNMENT OF THE PROCEDURE IS DESIGNED TO JOIN CAPSTONE EN ROUTE STRUCTURE.					
4. Equivalent Level of Safety Provided: 1. PROCEDURE LIMITED TO CAT A AND B AIRCRAFT. 2. PROCEDURE WILL BE APPROVED BY FAA FLIGHT INSPECTION, TO INCLUDE FLYABILITY. 3. USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.					
5. How Relocation or Additional Facilities Will Affect Waiver Requirement: NA					
6. Coordination With User Organizations (Specify): AJV 354_____					
7. SUBMITTED BY					
DATE:	Office Identification: AJV-35	Title: Greg Yamamoto, Manager, Terminal Products Group	Signature:		

Signature:	Routing Symbol:	Date:
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Comments:

<input type="checkbox"/> Not Required	9. AFS ACTION
<input type="checkbox"/> Disapproved	
<input type="checkbox"/> Approved	

Comments:

8. CONTINUATION

CANCELLED

RADIO FIX AND HOLDING DATA RECORD

NAME: GALYE STATE: AK COUNTRY: US
 LATITUDE/LONGITUDE: 563204.15N/1322416.16W TYPE: WP
 AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

CANCELLED

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC	FAC NM	FEET	MRA	MAA
1	OKAYI					347.00	1.50				1220	17500

REMARKS:
 RESTRICTED - FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE				PAWG	WRANGELL	AK (US)
IAP	WRANGELL - RNAV (GPS)-B					

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG DATE OF REVISION: 11/25/2004

DEVELOPED BY: DATE: 10/15/2003 OFFICE: AJV-354 NAME: JIMMY HUGHES

APPROVED BY: DATE: OFFICE: AJV-354 NAME: DEBORAH L. COPELAND

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: ANC
 ARTCC: ZAN
 ATC FACILITY:
 OTHER:



CANCELLED

RADIO FIX AND HOLDING DATA RECORD

NAME: OBECE

STATE: AK

COUNTRY: US

LATITUDE/LONGITUDE: 563343.32N/1322457.66W

TYPE: WP

CANCELLED

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC	MRA	MAA
								NM FEET		
1	OKAYI					347.00		3.20	1900	17500

REMARKS:

RESTRICTED - FOR USE BY AIRCRAFT EQUIPPED WITH DUAL OPERATIONAL TSO C145A/146A WAAS COMPATIBLE RECEIVERS

FIX USE:
USE TYPE
IAP

USE TITLE

FAC PAT

AIRPORT IDENT
PAWG

CITY
WRANGELL

STATE
AK (US)

WRANGELL - RNAV (GPS)-B

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/25/2004

DEVELOPED BY:

DATE: 05/04/2004

OFFICE: AJV-354

NAME: JIMMY HUGHES

APPROVED BY:

DATE:

OFFICE: AJV-354

NAME: DEBORAH L. COPELAND

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: ANC
ARTCC: ZAN
ATC FACILITY:
OTHER:





Federal Aviation Administration

Memorandum

Date:

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Deborah L. Copeland, Manager, Western Products Team, AJV-354

Subject: **ACTION:** Magnetic Variation Change for Wrangell, Wrangell, AK (PAWG)

This rescinds the previously submitted letter on OCT 02 2012 same subject. It updates the location name from Wrangle to read Wrangell; also, added procedure(s).

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility' column will be revised effective concurrent with the publication of the procedure(s) listed below.

LEVEL ISLAND TWO
 LDA/DME-C, AMDT 8
 LDA/DME-D, AMDT 7
 RNAV (GPS)-E, AMDT 1 (SPECIAL)
 RNAV (GPS) RWY 10, ORIG
 SUMNER TWO (RNAV)

Estimated Chart Date: 06/27/2013

Please publish these changes in the National Flight Data Digest.

ALASKA

<u>Location</u>	<u>Name</u>	<u>Airport /Facility</u>	<u>Identifier</u>	<u>Assigned Magnetic Variation Value</u>	<u>Epoch Year</u>
Wrangell	Wrangell	Airport	PAWG / WRG	Old 24° East New 20° East	2015
Wrangell		LOC	RGL	Old 24° East New 20° East	2015

CONCURRENCES
ROUTING SYMBOL AJV-34 SBaker
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-354 LEverhart
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-354 DCopeland
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-34 JAlfonso
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE

Level Island	Level Island	VOR/DME (H)	LVD	Old 28° East New 20° East	2015
Level Island	Summer Straight	NDB/H	SQM	Old 28° East New 20° East	2015

If you have any questions please notify Deborah L. Copeland, deborah.l.copeland@faa.gov (301) 427-5070.

CC AJV-3rf

sjb:x7537:01/31/2013: (U:\AVN100\PIT\MAGVAR\MAGVAR\MAGVAR Letters 2013\MV Change Request for Wrangell, AK (PAWG) 1-31-13 Requestor: VNaso, Evaluated By: LFortier