Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 11/23/2009	Task #: 20061222131497 01014	Request #: 20061222131497
Procedure: RNAV (GPS) T RWY 8 ORIG		Airport ID: PAJN	Airport: JUNEAU INTL		Reimbursable #:
City: JUNEAU	ST: AK	GPS #:		Estimated Chart Date: 05/31/2012	FICO #:
Fac ID:	Fac. Type: LNAV	Specialist: JIMMY HUGHES			

Procedure Review

P3

	Rec'd	Rel'd	Full Name	Comments
Lead:	08/23/2011	01/19/2012	STEVEN SZUKALA	
QA:	01/19/2012	01/19/2012	STEVEN SZUKALA	
Liaison:	01/19/2012		Terrell	SPECIAL - APPROVAL REQUEST - WAIVER - PUBLIC

P3

Procedure Comments: NON-ENROUTE | Remark Type: INFORMATION: per left

JUNEAU AK JUNEAU INTL (PAJN) RNAV (GPS) T RWY 8, ORIG (LNAV) ENROUTE NO FC 4 12 12 PUB 5.31.12

ATTACHED FORMS: 8260-7, 8260-10; 8260-9, 8260-2(S); ASORT INT, REV 8; CUSOV INT, REV 1; DIBOL INT, REV 8; LYNNS INT, REV 8; ZULIL ORIG; (INFO ONLY) BARLO INT, REV 12; CHILL INT, REV 6; SISTERS ISLAND (SSR) VTAC, REV 14

CONTACT ADOLFO URRUTIA/PETE GETZ-AVN-130 LEADS, 405.954.3079/4919

APP CRS	Rwy Idp	8457
068°	TDZE	21
	Apt Elev	21

RNAV (GPS) T RWY 8

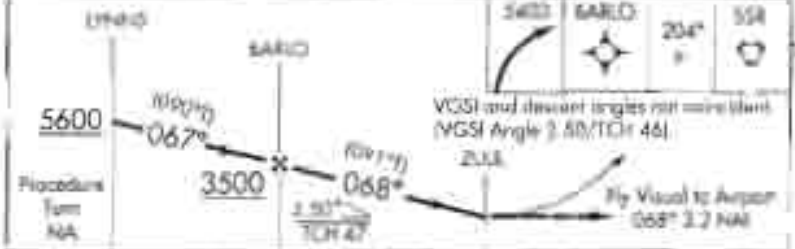
JUNEAU INTL (JNU)(PAJN)

Circling NA north of Rwy 8-26. DME/DME RNP 0.3 NA.
Visibility reduction by helicopters NA.
CAUTION: Any go-around after passing MAP, execute missed approach.
If lead-in lights are not visible at the MAP, execute missed approach.
Procedure NA when winds exceed 30 KTS from 300 to 360 degrees.
For inoperative lead-in lights, increase all visibilities to 4 miles.

MALSR MISSED APPROACH: Immediate climbing right turn (do not exceed a ground track radius of 1.0 NM) to 5400 direct BARLO, cross BARLO at or above 3000 and on track 204 to SSR VORTAC and hold.

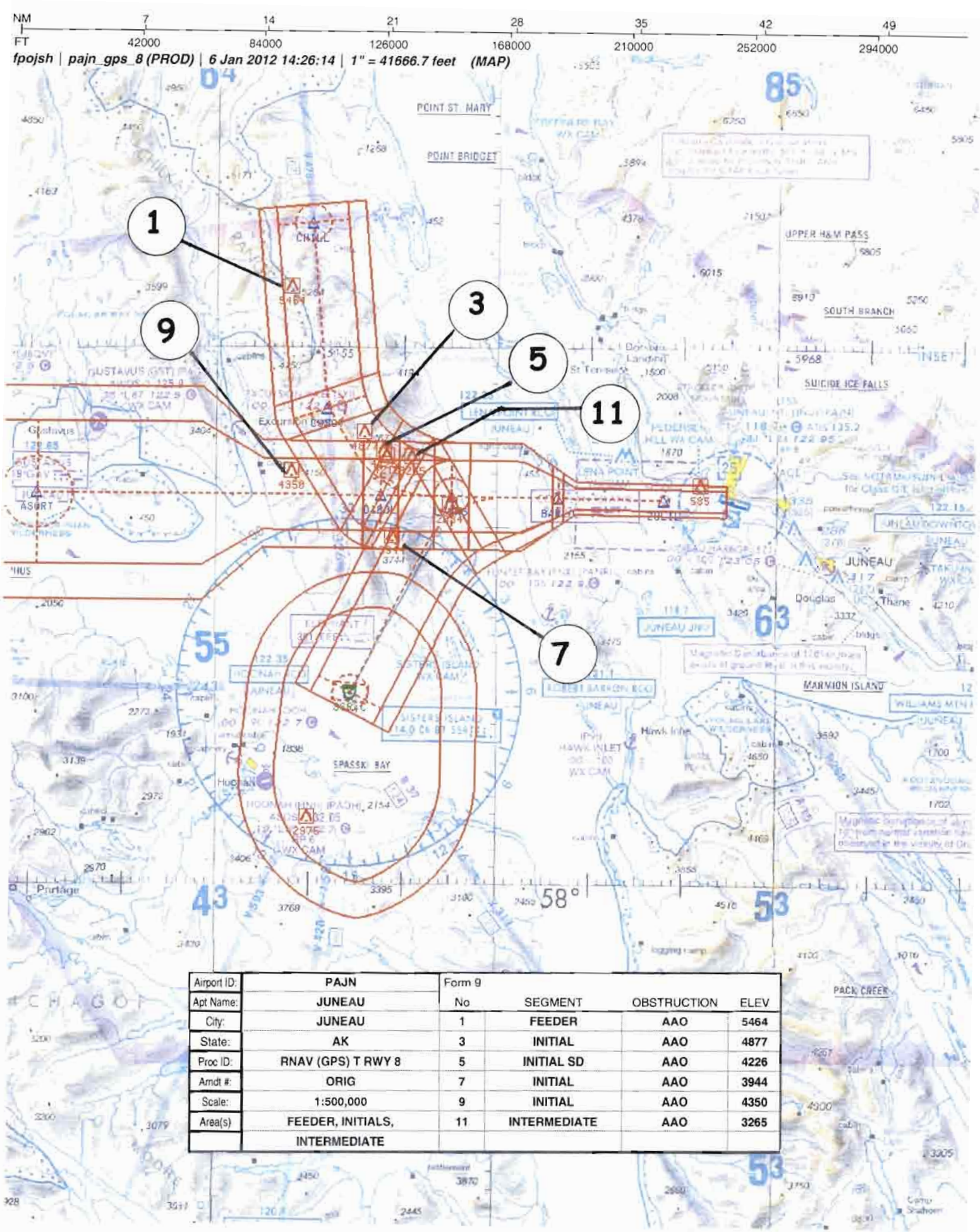
ATIS	ANCHORAGE CENTER	JUNEAU TOWER *	GND CON	JUNEAU RADIO
135.2	133.9	118.7 (CTAF) 278.3	121.9	122.2

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED.
SPECIFICATION ONLY: NOT FOR COCKPIT USE
SPECIAL

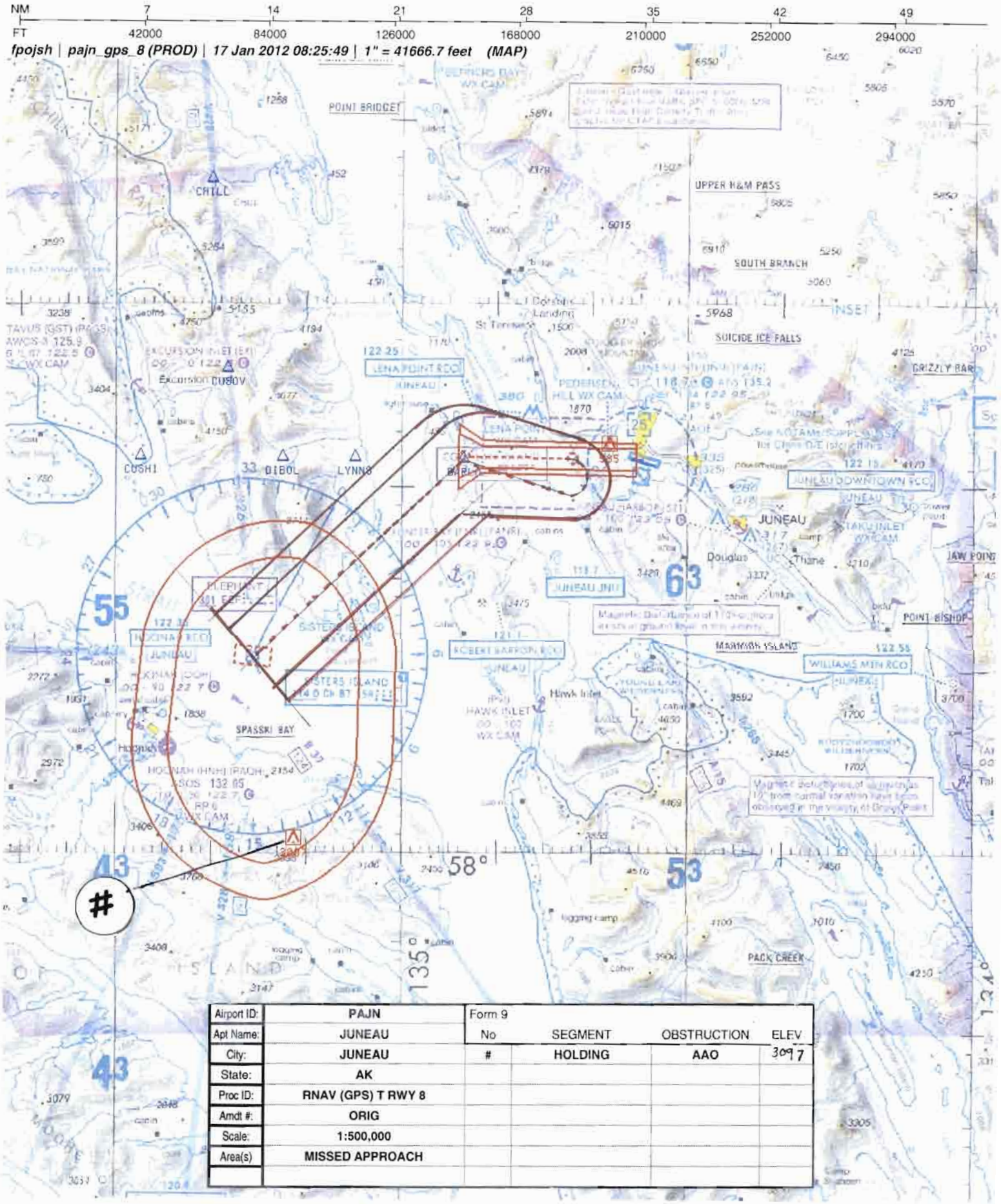


CATEGORY	A	B	C	D	E
LNAV MDA	1000-2 979 (1000-2)			NA	
CIRCLING	1000-3 979 (1000-3)		1560-3 1539 (1600-3)	NA	

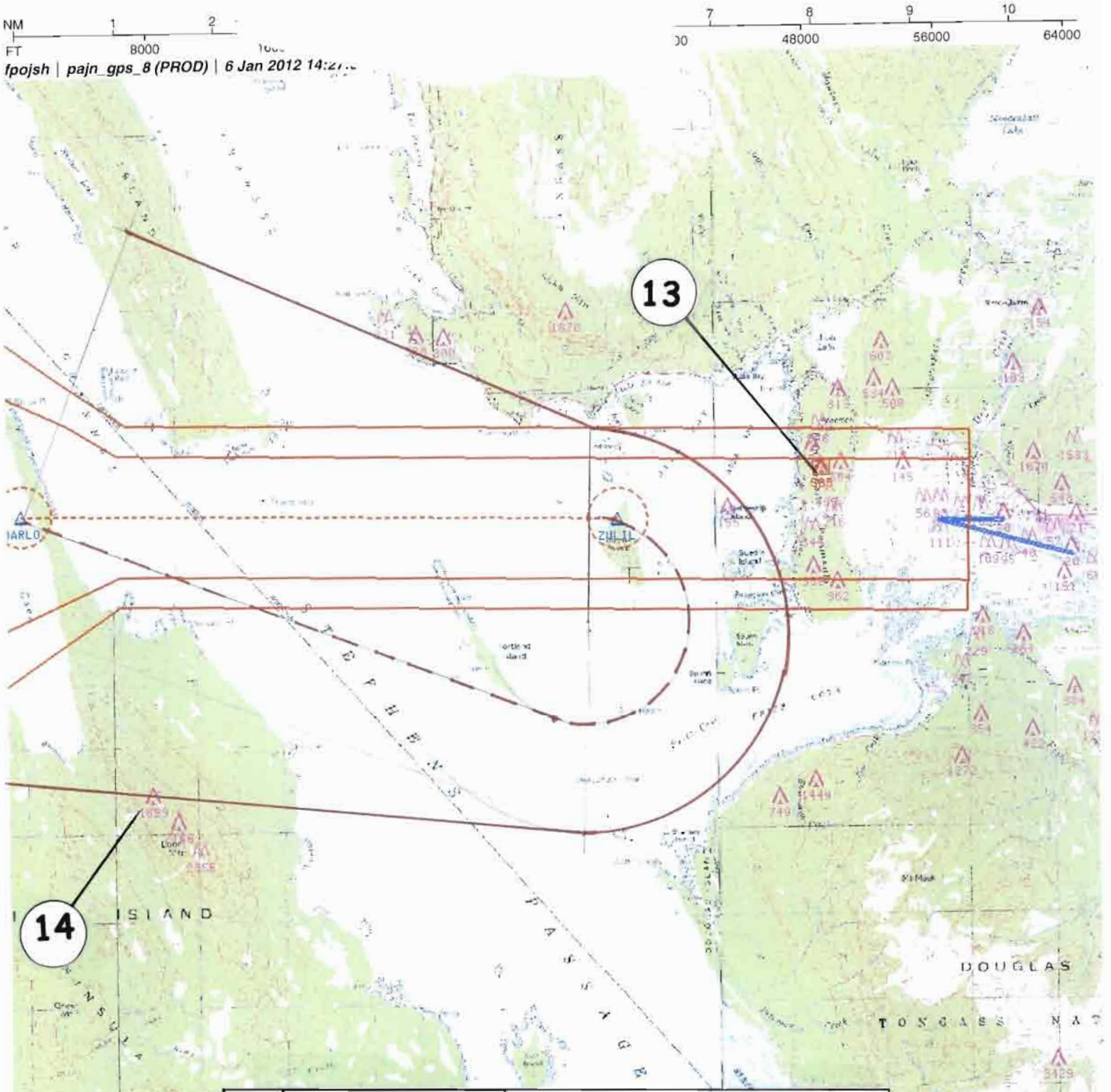
REIL Rwy 26
HIRL Rwy 8-26



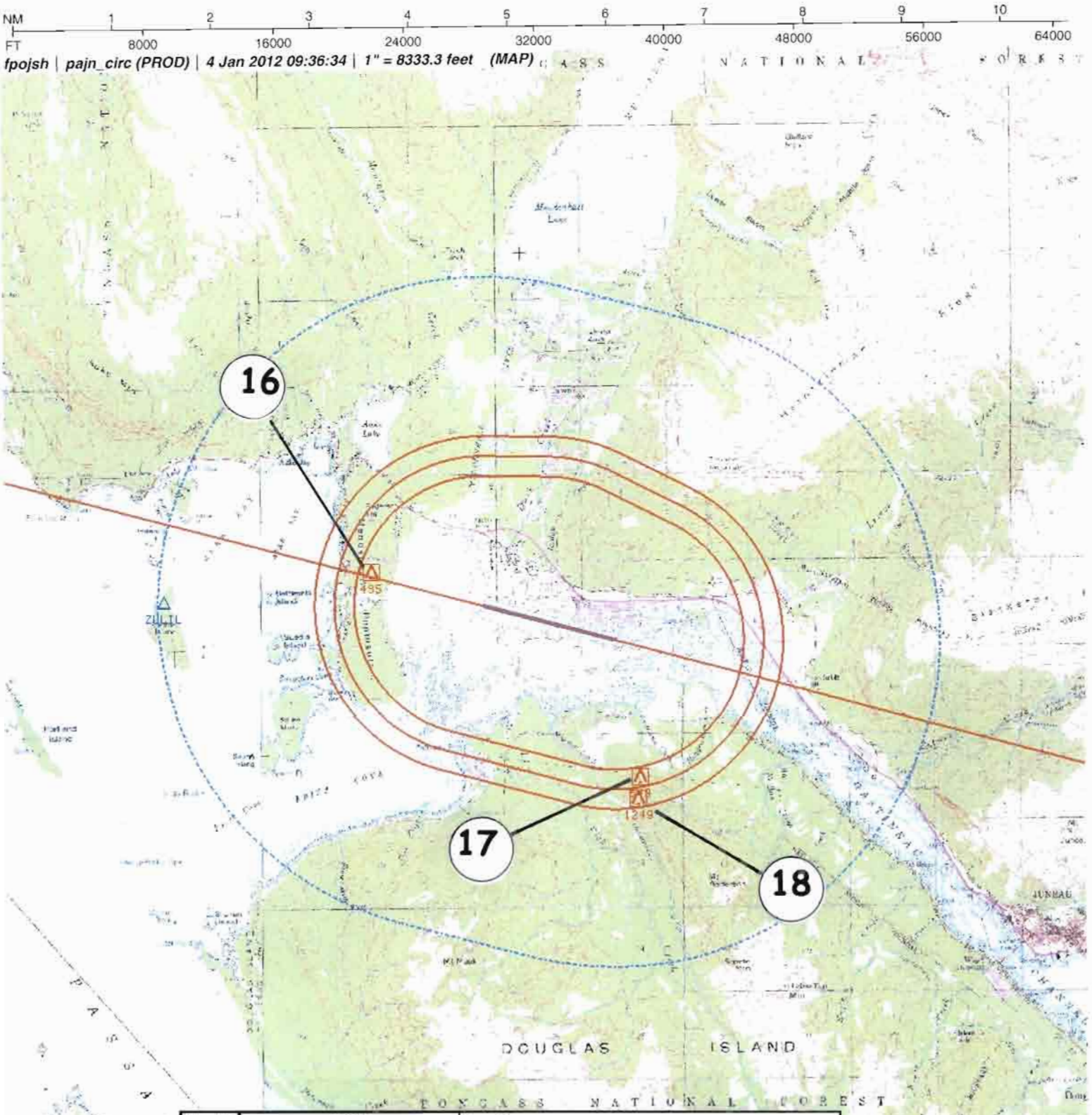
Airport ID:	PAJN	Form 9			
Apt Name:	JUNEAU	No	SEGMENT	OBSTRUCTION	ELEV
City:	JUNEAU	1	FEEDER	AAO	5464
State:	AK	3	INITIAL	AAO	4877
Proc ID:	RNAV (GPS) T RWY 8	5	INITIAL SD	AAO	4226
Amdt #:	ORIG	7	INITIAL	AAO	3944
Scale:	1:500,000	9	INITIAL	AAO	4350
Area(s)	FEEDER, INITIALS,	11	INTERMEDIATE	AAO	3265
	INTERMEDIATE				



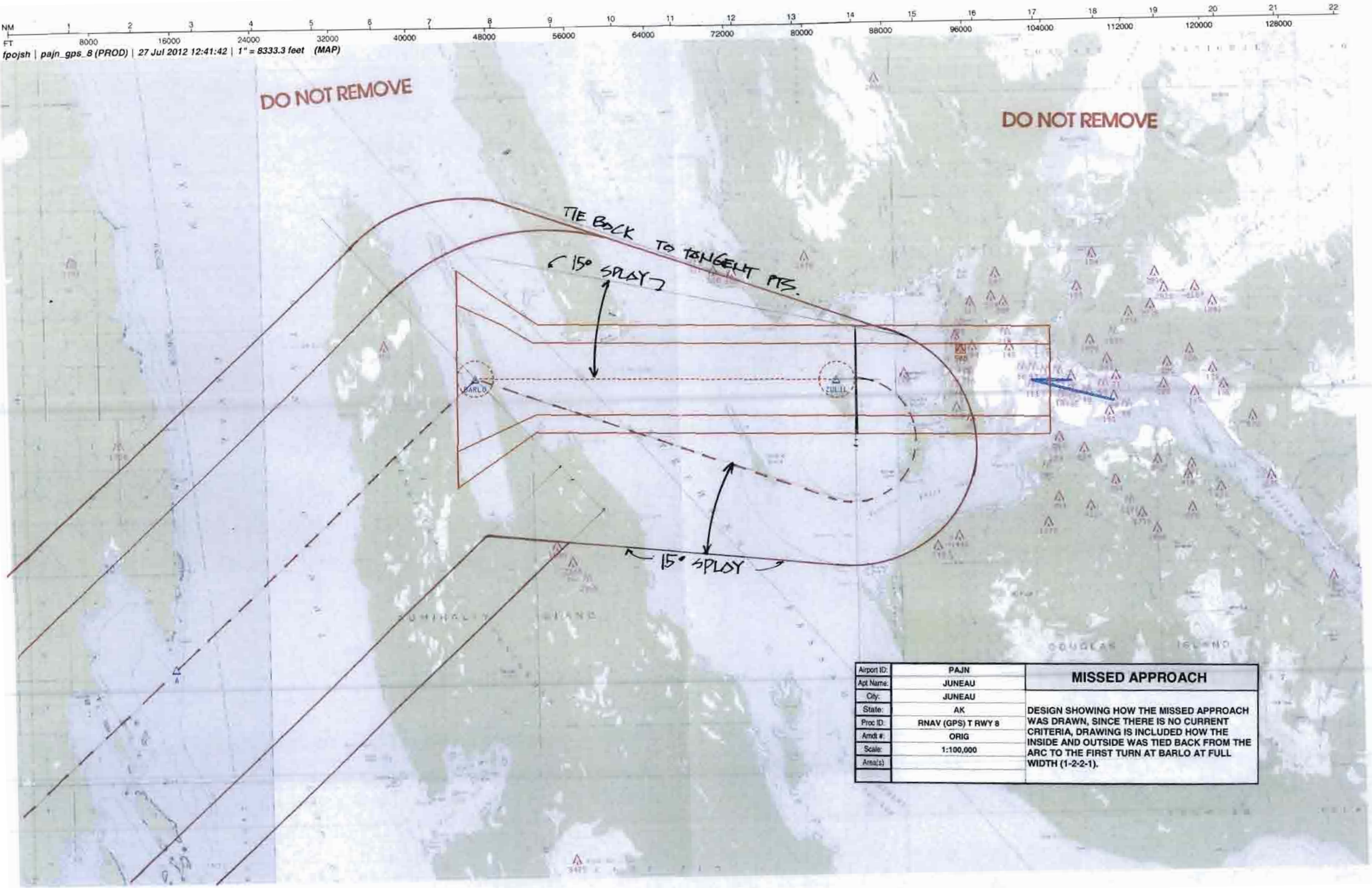
Airport ID:	PAJN	Form 9			
Apt Name:	JUNEAU	No	SEGMENT	OBSTRUCTION	ELEV
City:	JUNEAU	#	HOLDING	AAO	3097
State:	AK				
Proc ID:	RNAV (GPS) T RWY 8				
Amdt #:	ORIG				
Scale:	1:500,000				
Area(s)	MISSED APPROACH				



Airport ID:	PAJN	Form 9			
Apt Name:	JUNEAU	No	SEGMENT	OBSTRUCTION	ELEV
City:	JUNEAU	13	LFINAL	TOWER	585
State:	AK	14	MISSED LVL SFC	AAO	1699
Proc ID:	RNAV (GPS) T RWY 8				
Amdt #:	ORIG				
Scale:	1:100,000				
Area(s)	FINAL, MISSED				



Airport ID:	PAJN	Form 9			
Apt Name:	JUNEAU	No	SEGMENT	OBSTRUCTION	ELEV
City:	JUNEAU	16	CIRC CAT A	TREE	435
State:	AK	17	CIRC CAT B	TREE	649
Proc ID:	RNAV (GPS) T RWY 8	18	CIRC CAT C	TREE	1249
Amdt #:	ORIG				
Scale:	1:100,000				
Area(s)	CIRCLING				



Airport ID:	PAJN	**MISSED APPROACH**
Apt Name:	JUNEAU	
City:	JUNEAU	
State:	AK	DESIGN SHOWING HOW THE MISSED APPROACH WAS DRAWN, SINCE THERE IS NO CURRENT CRITERIA, DRAWING IS INCLUDED HOW THE INSIDE AND OUTSIDE WAS TIED BACK FROM THE ARC TO THE FIRST TURN AT BARLO AT FULL WIDTH (1-2-2-1).
Proc ID:	RNAV (GPS) T RWY 8	
Amdt #:	ORIG	
Scale:	1:100,000	
Area(s)		

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 Admistrator. 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CHILL	CUSOV (FB)	152.05 / 10.40	7500
CUSOV (IAF)	DIBOL (FB)	125.00 / 5.74	6300
ASORT (IAF)	DIBOL (FB)	066.91 / 19.44	6300
SSR VORTAC (IAF)	LYNNS (FB)	004.21 / 12.43	5600
(SEE FORM 8260-10)			

MISSED APPROACH

MAP:
LNAV: ZULIL

IMMEDIATE CLIMBING RIGHT TURN (DO NOT EXCEED A GROUND TRACK RADIUS OF 1.0 NM) TO 5400 DIRECT BARLO, CROSS BARLO AT OR ABOVE 2800 AND ON TRACK 203.97 TO SSR VORTAC AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT LYNNS
3. FAC: 067.82 FAF: BARLO DIST FAF TO MAP: 6.00 THLD: 9.22
4. MIN. ALT: LYNNS 5600, BARLO 3500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: ZULIL 8400

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 344.00 INBOUND.
CHART FAS OBST: 585 TWR 582156N/1343804W
BARLO TO RW08: 3.50/47.

MAG VAR: 23E EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

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	1000	2	979	1000	2	979	1000	2	979		NA			NA	
CIRCLING	1000	3	979	1000	3	979	1560	3	1539		NA			NA	

NOTES:
CHART NOTE: CIRCLING NA N OF RWY 8-26.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW AND PROFILE NOTE: FLY VISUAL TO AIRPORT, 068 DEGREES - 3.2 MILES.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
AFS SPECIAL AUTHORIZATION DETERMINATION:

QUALITY CHECKED

CITY AND STATE	ELEVATION: 21 THRE: 21	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JUNEAU, AK	AIRPORT NAME: JUNEAU INTL	RNAV	RNAV (GPS) T RWY 8, ORIG	AMDT: NONE
				DATED:

NOTES CONTINUED:

USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS
CHART NOTE: CAUTION: ANY GO-AROUND AFTER PASSING MAP WILL NOT PROVIDE STANDARD OBSTRUCTION CLEARANCE.
CHART NOTE: IF LEAD-IN LIGHTS ARE NOT VISIBLE AT THE MAP, EXECUTE MISSED APPROACH.
CHART NOTE: PROCEDURE NA WHEN WINDS EXCEED 30 KTS FROM 300 TO 360 DEGREES.
CHART NOTE: FOR INOPERATIVE LEAD-IN LIGHTS, INCREASE ALL VISIBILITIES TO 4 MILES.
CHART PLANVIEW NOTE: SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED.

AIR CARRIER NOTES:

PROPONENTS APPROVAL FOR USE OF THIS PROCEDURE WHICH REQUIRES COMPLIANCE WITH THE MEMORANDUM ISSUED TO THE POI BY THE RFSD-AWOPM.

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

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **JIMMY S. HUGHES**	FIFO **AJV-354**	DATE: **01/03/2012**
RECOMMENDED BY		
NAME: **DEZ SILAGYI** **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: _____
SIGNATURE

AMENDMENT NO. _____

BY DIRECTION OF THE ADMINISTRATOR _____ _____
SIGNATURE TITLE

EFFECTIVE DATE: _____

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION -- - FEDERAL AVIATION ADMINISTRATION

RNAV SPECIAL INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE - 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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DIBOL	LYNNS (FB)	067.30 / 4.00	5600
LYNNS (IF)	BARLO (FB)	067.40 / 6.00	3500
BARLO (FAF)	ZULIL (MAP) (FO)	067.82 / 6.00	
ZULIL (MAP)	421 MSL	067.82	
421 MSL	BARLO (FB)		2800
BARLO	SSR VORTAC (FO)	203.97	5400

NOTES, (CONT.):
CHANGES/REASONS (DO NOT CHART)
06/13/2012: THIS IS AN UPDATE COPY OF THE FORM DEVELOPED ON 01/03/2012.
1. DECREASED MISSED APPROACH CROSS RESTRICTION AT BARLO FROM 3000 TO 2800.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 21 THRE: 21	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JUNEAU, AK	AIRPORT NAME: JUNEAU INTL	RNAV	RNAV (GPS) T RWY 8, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	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 PACKET - 424-8 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        TCAND        SSR   PA011400VTHA N58103958W135153191    N58103958W135153191E0290000402     NARSISTERS ISLAND

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        TCANEAENRT   ASORT PA0    C   B N58214565W135491521                      E0209     NAR           ASORT
        TCANEAENRT   BARLO PA0    C   L N58213764W134532128                      E0209     NAR           BARLO
        TCANEAENRT   CHILL PA0    C   L N58365412W135194947                      E0210     NAR           CHILL
        TCANEAENRT   CUSOV PA0    R     N58263382W135180711                      E0209     NAR           CUSOV
        TCANEAENRT   DIBOL PA0    C   L N58214215W135122040                      E0209     NAR           DIBOL
        TCANEAENRT   LYNNS PA0    C     N58214067W135044484                      E0209     NAR           LYNNS
        TCANEAENRT   ZULIL PA0    W     N58213200W134415854                      E0210     NAR           ZULIL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        TCANP PAJNPAAJNU     0     084YHN58211790W134343460E023000021         1800018000C    MNAR    JUNEAU INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        TCANP PAJNPAFR08-T AASORT 010ASORTPAEA0E  A    IF                                          18000                B JS
        TCANP PAJNPAFR08-T AASORT 020DIBOLPAEA0E    010TF                    06690194    + 06300                         B JS
        TCANP PAJNPAFR08-T AASORT 030LYNNSPAEA0EE B 010TF                    06730040    + 05600                         B JS
        TCANP PAJNPAFR08-T ACHILL 010CHILLPAEA0E       IF                                          18000                B JS
        TCANP PAJNPAFR08-T ACHILL 020CUSOVPAEA0E  A 020TF                    15210104    + 07500                         B JS
        TCANP PAJNPAFR08-T ACHILL 030DIBOLPAEA0E    010TF                    12500057    + 06300                         B JS
        TCANP PAJNPAFR08-T ACHILL 040LYNNSPAEA0EE B 010TF                    06730040    + 05600                         B JS
        TCANP PAJNPAFR08-T ASSR   010SSR  PAD 0V  A    IF                                          18000                B JS
        TCANP PAJNPAFR08-T ASSR   020LYNNSPAEA0EE B 010TF                    00420124    + 05600                         B JS
        TCANP PAJNPAFR08-T R      010LYNNSPAEA0E  I    IF                                + 05600    18000                B JS
        TCANP PAJNPAFR08-T R      020BARLOPAEA1E  F 051TF                    06740060    + 03500                ZULIL PAEAB JS
        TCANP PAJNPAFR08-T R      020BARLOPAEA2WN          N        ALNAV                                                JS
        TCANP PAJNPAFR08-T R      030ZULILPAEA0EY M 031TF                    06780060      01264            -350           B JS
        TCANP PAJNPAFR08-T R      040         0  M     CA                    0678        + 00421                         B JS
        TCANP PAJNPAFR08-T R      050BARLOPAEA0E   R   DF                                + 02800                         B JS
        TCANP PAJNPAFR08-T R      060SSR  PAD 0VY   010TF                    2040        + 05400                         B JS
        TCANP PAJNPAFR08-T R      070SSR  PAD 0VE  R   HM                    34400050    + 05400                         B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 21 TDZE: 21	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JUNEAU, AK	AIRPORT NAME: **JUNEAU INTL**	**RNAV**	**RNAV (GPS) T RWY 8, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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.

```
        ------------------------------------------------------------------------------------------------------------------------
        TCANP PAJNPAGRW08    0084570818 N58212855W134355121+0000    +0009700021000047150R
                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        TCANP PAJNPASZULILPAEA                0   18018008425                                                                  M
```

CITY AND STATE	ELEVATION: 21 TDZE: 21	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JUNEAU, AK	AIRPORT NAME: JUNEAU INTL	RNAV	RNAV (GPS) T RWY 8, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

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 - 424-8 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ASORT	ASORT	010	IAF	IF		FB					
	ASORT	DIBOL	020		TF		FB	1.0	066.9(089.9T)	019.4	AA 06300	
	ASORT	LYNNS	030		TF		FB	1.0	067.3(090.3T)	004.0	AA 05600	
	CHILL	CHILL	010		IF		FB					
	CHILL	CUSOV	020	IAF	TF		FB	2.0	152.1(175.1T)	010.4	AA 07500	
	CHILL	DIBOL	030		TF		FB	1.0	125.0(148.0T)	005.7	AA 06300	
	CHILL	LYNNS	040		TF		FB	1.0	067.3(090.3T)	004.0	AA 05600	
	SSR	SSR	010	IAF	IF		FB					
	SSR	LYNNS	020		TF		FB	1.0	004.2(027.2T)	012.4	AA 05600	
		LYNNS	010	FACF	IF		FB				AA 05600	
		BARLO	020	FAF	TF		FB	0.5	067.4(090.4T)	006.0	AA 03500	
		ZULIL	030	MAP	TF		FO	0.3	067.8(090.8T)	006.0	AT 01264	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		067.8(090.8T)		AA 00421	
	BARLO	050		DF	R	FB				AA 02800	
	SSR	060		TF		FO	1.0	204.0(227.0T)		AA 05400	
	SSR	070		HM	R	FO		344.0(007.0T)	005.0	AA 05400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SSR	N581039.58	W1351531.91	N5810.660	W13515.532
	ASORT	N582145.65	W1354915.21	N5821.761	W13549.254
	BARLO	N582137.64	W1345321.28	N5821.627	W13453.355
	CHILL	N583654.12	W1351949.47	N5836.902	W13519.825
	CUSOV	N582633.82	W1351807.11	N5826.564	W13518.119
	DIBOL	N582142.15	W1351220.40	N5821.703	W13512.340
	LYNNS	N582140.67	W1350444.84	N5821.678	W13504.747
	ZULIL	N582132.00	W1344158.54	N5821.533	W13441.976
	RW08	N582128.55	W1343551.21	N5821.476	W13435.854

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00021	47

QUALITY CHECKED

CITY AND STATE	ELEVATION: 21 TDZE: 21	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JUNEAU, AK	AIRPORT NAME: JUNEAU INTL	RNAV	RNAV (GPS) T RWY 8, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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	CHILL	CUSOV	1. AAO	583256.20N/1352201.20W	5464 (6A)	2000		7500
			2. TERRAIN	583256.20N/1352201.20W	5264 (5300)		AS1000	6300
INITIAL	CUSOV	DIBOL	3. AAO	582450.70N/1351403.40W	4877 (6A)	1000	PR367	6300
			4. TERRAIN	582450.70N/1351403.40W	4677 (4700)		AS1000	5700
INITIAL	ASORT	DIBOL	9. AAO	582240.00N/1352153.80W	4350 (6A)	1000	PR331 AT619	6300
			10. TERRAIN	582240.00N/1352153.80W	4150 (4200)		AS1000	5200
INITIAL	SSR VORTAC	LYNNS	7. AAO	581903.40N/1351102.60W	3944 (6A)	1000	PR242 AT414	5600
			8. TERRAIN	581903.40N/1351102.60W	3744 (3700)		AS1000	4700
INITIAL: STEPDOWN	DIBOL	LYNNS	5. AAO	582351.00N/1351200.00W	4226 (4E)	1000	PR371	5600
			6. TERRAIN	582112.00N/1351030.00W	3459 (3500)		AS1000	4500
INTERMEDIATE	LYNNS	BARLO	11. AAO	582330.00N/1350900.00W	3265 (4E)	500	SA-445 AC98	3500
			12. TERRAIN	582333.00N/1350600.00W	1782 (1800)		AS1000	2800
FINAL: LNAV	BARLO	ZULIL	13. TWR (PJNU0026)	582156.11N/1343804.49W	585 (1A)	250	XP165	1000
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	ZULIL	SSR VORTAC				ASC		5400
			14. AAO	581845.26N/1345053.33W	1699 (2C)	1000		2700
ELEV:	900		15. TERRAIN	581845.26N/1345053.33W	1499 (1500)		AS1000	2500

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	979	16. TREE (PJNU0019)	582144.15N/1343758.97W	435 (1A)	300	SI	1000
CATEGORY B	1.5 NM	450	979	17. TREE	581939.74N/1343248.94W	649 (2C)	300	SI	1000
CATEGORY C	1.7 NM	450	1539	18. TREE	581927.06N/1343251.02W	1249 (2C)	300		1560
CATEGORY D	2.3 NM	550							
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: ZULIL

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	356/ 17.1	7350 (6A)	8400					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 21 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
JUNEAU, AK	JUNEAU INTL	RNAV	RNAV (GPS) T RWY 8, ORIG	AAL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
JNU TOWER JNU FSS ZAN ARTCC		N W S	OTHER: ASOS	SOURCE: PAJN
	X	F A A		DISTANCE:
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION:
X V H F X U H F H F	LOCATION: PAJN			ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 08
	X	HIRL 08, 26
		MIRL
	X	REIL 26
		TDZ
	X	C/L 08, 26
	X	OTHER (SPECIFY) VASI-4R 26 LDIN 08 VASI-4L 08
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT NPI-F 08, 26	
7. RUNWAY VISUAL RANGE	APPROACH 08, 26	
	MIDFIELD	
	ROLL OUT 08, 26	
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: 1

ORDER 8260.3B, VOLUME 1, PARAGRAPH 275; TABLE 5 TURNING MISSED APPROACH RADII. REQUEST USE OF 1 NM FLIGHT PATH RADIUS (R1), WITH A 2 NM OBSTRUCTION RADIUS (R). AUTHORIZATION TO USE 8260.38 MISSED APPROACH CONSTRUCTION.

QUALITY CHECK

PART D - PREPARED BY: JIMMY S. HUGHES	DATE: 01/03/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

VDP NOT ESTABLISHED - 20:1 PENETRATIONS.

PARA 251, 20:1 PENETRATION.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

2. HRS OPTN: 24
3. SOURCE: PAJN IS ON SERVICE A

VGSI DATA: 3.50/47

WAIVER: FAAO 8260.3B VOL 1 PARA 275 TABLE 5 TURNING MISSED APPROACH RADII. REQUEST USE OF 1 NM FLIGHT PATH RADIUS (R1), WITH A 2 NM OBSTRUCTION RADIUS (R). AUTHORIZATION TO USE 8260.38 MISSED APPROACH CONSTRUCTION.

NO ADDITIONAL AIRSPACE REQUIRED.

150 FT TREES USED FOR VEGETATION PER FPO.

MISSED APPROACH WAS DESIGN USING 8260.38 CRITERIA SECTION 4 AND COORDINATED WITH AFS-460.

INTERMEDIATE DESCENT GRADIENT EXCEEDS 3.00D (3.30D), BUT IS LESS THAN FINAL DESCENT GRADIENT OF 3.50D.

TERPS, VOLUME 1. "VISUAL PORTION OF FINAL"
PENETRATIONS:
20:1
334 TREE (PJNU0016) 582141.11N/1343748.20W (10.36)
484 TREE (PJNU0030) 582152.05N/1343818.03W (64.47)
527 TREE (PJNU0029) 582151.04N/1343811.70W (125.09)
585 ANT (PJNU0036) 582156.11N/1343804.49W (195.11)
407 TREE (PJNU0025) 582144.66N/1343807.57W (24.00)
534 TREE (PJNU0024) 582155.52N/1343758.64W (159.96)
520 TREE (PJNU0022) 582151.66N/1343757.50W (153.89)
503 TREE (PJNU0020) 582155.69N/1343753.36W (142.35)
435 TREE (PJNU0019) 582144.15N/1343758.97W (74.83)
573 TOWER (02-000297) 582156.00N/1343804.00W (184.52)
28 BUSH (PJNU0011) 582127.76N/1343557.80W (1.44)
334 TREE (PJNU0016) 582141.11N/1343748.20W (10.36)

34:1
321 TREE (PJNU0069) 582123.71N/1373817.62N (76.93)
344 TREE (PJNU0067) 582120.81N/1343815.26W (103.78)
225 TREE (PJNU0062) 582130.41N/1343755.88W (14.67)
334 TREE (PJNU0016) 582141.11N/1343748.20W (135.14)
216 TREE (PJNU0015) 582132.58N/1343750.38W (14.18)
28 BUSH (PJNU0011) 582127.76N/1343557.80W (2.99)

ADJUSTMENT TO RAISE MDA TO MINIMUM 1000FT REQUIRED FOR FLY VISUAL NOTE.

RADIO FIX AND HOLDING DATA RECORD

NAME: ASORT **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 582145.65N/1354915.21W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SISTERS ISLAND	SSR	VORTAC	H	273.24	302.24	21.00	21.00		6000	45000
2	GUSTAVUS	GAV	NDB	H	200.68	225.68		5.07		6000	45000
3	ELEPHANT	EEF	NDB	H	274.11	303.11		21.24		6000	45000

FIX RESTRICTIONS:
SPECIAL LDA Z RWY 8, PAJN, JUNEAU, AK
SPECIAL RNAV (GPS) T RWY 8, PAJN, JUNEAU, AK

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	SSR	VORTAC	273.24	093.24	L	1-1 1/2		6500	45000	9	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	200' AAO (JUN-S-0570)	582201.40N/1360648.40W	2733	6A

REASON FOR NONSTANDARD HOLDING:
PAT 1 AIR TRAFFIC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
SISTERS ISLAND (FAC 1) AND GUSTAVUS (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CUSHI			PAJN	JUNEAU	AK (US)
EN ROUTE	J541	1, 2				(US)
IAP	LDA Z RWY 8	1, 2		PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) T RWY 8			PAJN	JUNEAU	AK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. UPDATED FIX USE.
2. ADDED WP AS FIX TYPE.
3. ADDED DIST FROM FAC TO FACS 1,2,3.
4. FAC 2 MAG/TRUE BRG CHANGED FROM 200.94/225.94 TO 200.68/225.68.
5. FAC 3 MAG/TRUE BRG CHANGED FROM 274.10/303.10 TO 274.11/303.11.

DEVELOPED BY: **DATE:** 01/05/2012 **OFFICE:** AJV-354 **NAME:** JIMMY HUGHES

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY CHECKED 1

RADIO FIX AND HOLDING DATA RECORD

NAME: CUSOV **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 582633.82N/1351807.11W **TYPE:** WP, INT

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ELEPHANT	EEF	NDB	H	326.14	355.14				7500	17500
2	COGHLAN ISLAND	CGL	NDB	HZ	262.04	285.04				7500	17500

FIX RESTRICTIONS:
SPECIAL NDB RWY 8, PAJN, JUNEAU, AK
SPECIAL LDA Z RWY 8, PAJN, JUNEAU, AK
SPECIAL RNAV (GPS) T RWY 8, PAJN, JUNEAU, AK

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LDA Z RWY 8	1		PAJN	JUNEAU	AK (US)
IAP	NDB RWY 8	1		PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) T RWY 8			PAJN	JUNEAU	AK (US)

REQUIRED CHARTING: SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
ADD WP TO FIX TYPE

DEVELOPED BY: **DATE:** 01/18/2012 **OFFICE:** AJV-351 **NAME:** CASIMIR TABAKA

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: DIBOL **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 582142.15N/1351220.40W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	JUNEAU	I-JDL	LOC/DME		247.78	270.78	18.00	18.00		6000	10000
2	ELEPHANT	EEF	NDB	H	339.19	008.19		11.59		6000	17500
3	COGHLAN ISLAND	CGL	NDB	HZ	247.74	270.74		16.00		6000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-JDL	LOC/DME	R-271	19	5200	10000

FIX RESTRICTIONS:
SPECIAL NDB RWY 8, PAJN, JUNEAU, AK
SPECIAL LDA Y RWY 8, PAJN, JUNEAU, AK
SPECIAL LDA Z RWY 8, PAJN, JUNEAU, AK
SPECIAL RNAV (GPS) T RWY 8, PAJN, JUNEAU, AK

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

REMARKS:
ELEPHANT (FAC 2) AND JUNEAU (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-JDL DME COORDINATES: 582131.02N/1343810.22W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LDA X RWY 8	1, 2		PAJN	JUNEAU	AK (US)
IAP	LDA Y RWY 8	1, 2		PAJN	JUNEAU	AK (US)
IAP	LDA Z RWY 8	1, 2		PAJN	JUNEAU	AK (US)
IAP	NDB RWY 8	1, 2		PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) T RWY 8			PAJN	JUNEAU	AK (US)

REQUIRED CHARTING: IAP, SPECIAL IAP, AREA, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. ADDED DIST FROM FAC TO FACS 1, 2, 3.
2. UPDATED FIX USE.
3. FAC 2 TRU/MAG BRG CHANGED FROM 339.20/008.20 TO 339.19/008.19.
4. ADDED WP TO FIX TYPE.

DEVELOPED BY: **DATE:** 01/05/2012 **OFFICE:** AJV-354 **NAME:** JIMMY HUGHES

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZAN
ATC FACILITY: JNU
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LYNNS **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 582140.67N/1350444.84W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	JUNEAU	I-JDL	LOC/DME		247.78	270.78	14.00	14.00		5100	10000
2	ELEPHANT	EEF	NDB	H	357.26	026.26		12.77		5100	17500
3	COGHLAN ISLAND	CGL	NDB	HZ	247.75	270.75		12.00		5100	17500

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) T RWY 8, PAJN, JUNEAU, AK

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	I-JDL	LOC/DME	W CRS	067.78	L	1		6500	10000	8	9
2	W	CGL	NDB	247.75	067.75	L	1-1 1/2		6500	17500	8	16
3	W		WP	247.82	067.82	R		7	6500	8000	9	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO (JUN-S-0602)	582849.30N/1352414.10W	4950	6A
2	230	AAO (JUN-S-0602)	582849.30N/1352414.10W	4950	6A
3	230	AAO (JUN-S-0579)	582450.70N/1351403.40W	4877	6A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	355
2	230	355
3	230	339

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST
PAT 2 ATC REQUEST

REMARKS:
JUNEAU (FAC 1) AND ELEPHANT (FAC 2) USED TO ESTABLISH FIX COORDINATES
I-JDL DME COORDINATES: 582131.02N/1343810.22W
HOLDING LIMITED TO ESTABLISHED PATTERNS.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CUSHI			PAJN	JUNEAU	AK (US)
IAP	LDA X RWY 8	1	1	PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) T RWY 8			PAJN	JUNEAU	AK (US)

REQUIRED CHARTING: DP, IAP, SPECIAL IAP, AREA

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. ADDED WP TO FIX TYPE.
2. ADDED PRECIPITOUS TERRAIN REMARK.
3. UPDATED FIX USE.
4. ADDED HOLDING PATTERN 3.

DEVELOPED BY: **DATE:** 01/03/2012 **OFFICE:** AJV-354 **NAME:** JIMMY HUGHES

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZAN
ATC FACILITY: JNU
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZULIL **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 582132.00N/1344158.54W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) T RWY 8, PAJN, JUNEAU, AK

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) T RWY 8			PAJN	JUNEAU	AK (US)

REQUIRED CHARTING: SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 01/03/2012 **OFFICE:** AJV-354 **NAME:** JIMMY HUGHES

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: BARLO **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 582137.64N/1345321.28W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	JUNEAU	I-JDL	LOC/DME		247.78	270.78	8.00	8.00		3400	10000
2	SISTERS ISLAND	SSR	VORTAC	H	017.66	046.66	16.06	16.06		3000	17500
3	COGHLAN ISLAND	CGL	NDB	HZ	247.77	270.77		6.00		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-JDL	LOC/DME	R-248	14	3400	10000

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) RWY 24, PAOH, HOONAH, AK
SPECIAL LDA Y RWY 8, PAJN, JUNEAU, AK
SPECIAL LDA Z RWY 8, PAJN, JUNEAU, AK
SPECIAL RNAV (GPS) T RWY 8, PAJN, JUNEAU, AK
SPECIAL ALSEK, PAJN, JUNEAU, AK

REMARKS:
I-JDL DME COORDINATES: 582131.02N/1343810.22W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALSEK			PAJN	JUNEAU	AK (US)
DP	CINGA			PAJN	JUNEAU	AK (US)
DP	CUSHI	1, 2, 3		PAJN	JUNEAU	AK (US)
DP	JUNEAU			PAJN	JUNEAU	AK (US)
IAP	VOR/DME RWY 29	2		PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) RWY 24			PAOH	HOONAH	AK (US)
IAP	JUNEAU	1, 2, 3		PAJN	JUNEAU	AK (US)
IAP	LDA X RWY 8	1, 2, 3		PAJN	JUNEAU	AK (US)
IAP	LDA Y RWY 8	1, 2		PAJN	JUNEAU	AK (US)
IAP	LDA Z RWY 8	1, 2		PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) T RWY 8			PAJN	JUNEAU	AK (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 02/11/2010

REASON FOR REVISION:
REMOVED WP FIX MAKE-UP
UPDATED FIX USE

DEVELOPED BY: **DATE:** 05/15/2009 **OFFICE:** AVN-130 **NAME:** IRVIN UZZLE

APPROVED BY: **DATE:** 08/19/2009 **OFFICE:** AVN-130 **NAME:** RICK WEBB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZAN
ATC FACILITY: JNU ATCT
OTHER: JNU FSS

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: CHILL **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 583654.12N/1351949.47W **TYPE:** WP, INT

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ELEPHANT	EEF	NDB	H	326.13	355.13		26.80		7000	17500
2	COGHLAN ISLAND	CGL	NDB	HZ	285.02	308.02		25.13		7000	17500

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) RWY 24, PAOH, HOONAH, AK
SPECIAL RNAV (GPS) W RWY 8, PAJN, JUNEAU, AK
SPECIAL NDB RWY 8, PAJN, JUNEAU, AK
SPECIAL LDA Z RWY 8, PAJN, JUNEAU, AK
SPECIAL RNAV (GPS) T RWY 8, PAJN, JUNEAU, AK

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	EEF	NDB	326.13	146.13	L	1-1 1/2		8000	17500	9	17
2	NW		WP	332.13	152.13	L		7	7500	12000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	200' AAO	583256.00N/1352201.00W	5464	6A
2	230	200' AAO	583256.00N/1352201.00W	5464	6A
2	310	200' AAO	585449.50N/1350622.70W	6150	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	375
2	230	375

REASON FOR NONSTANDARD HOLDING:
PAT 1 HIGH TERRAIN

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	RNAV (GPS) V RWY 8	PAJN	JUNEAU	AK (US)

REMARKS:
PAT 1 ON AREA CHART
PRECIPITOUS TERRAIN EVALUATION COMPLETE:
JUNEAU MAG VAR 23E/2005
HOONAH MAG VAR 22E/2010
HAINES MAG VAR 24E/2005

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	B38	1, 2				AK (US)
EN ROUTE	V428	1, 2				AK (US)
IAP	RNAV (GPS) RWY 24			PAOH	HOONAH	AK (US)
IAP	LDA Z RWY 8			PAJN	JUNEAU	AK (US)
IAP	NDB RWY 8	1	1	PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) T RWY 8			PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) T RWY 8			PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) V RWY 8		2	PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) W RWY 8			PAJN	JUNEAU	AK (US)

REQUIRED CHARTING: IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 02/11/2010

REASON FOR REVISION:
UPDATED FIX USE.
PAT 1, 2 EVALUATED FOR PRECIPITOUS TERRAIN.
REMOVED WP FIX MAKE-UP

DEVELOPED BY:	**DATE:** 05/14/2009	**OFFICE:** AVN-130	**NAME:** IRVIN UZZLE
APPROVED BY:	**DATE:** 08/19/2009	**OFFICE:** AVN-130	**NAME:** RICK WEBB
	SIGNATURE:		

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

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: SISTERS ISLAND VORTAC **STATE:** AK **COUNTRY:** US

LATITUDE/LONGITUDE: 581039.58N/1351531.91W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	SISTERS ISLAND	SSR	VORTAC	H							45000

FIX RESTRICTIONS:
SPECIAL GUSTY, PAGS, GUSTAVUS, AK
SPECIAL GUMLE, PAHN, HAINES, AK
SPECIAL ISLAND, PAOH, HOONAH, AK
SPECIAL ALSEK, PAJN, JUNEAU, AK
SPECIAL RNAV (GPS) - A, PAHN, HAINES, AK
SPECIAL RNAV (GPS) RWY 24, PAOH, HOONAH, AK
SPECIAL LDA Y RWY 8, PAJN, JUNEAU, AK
SPECIAL LDA Z 8 RWY, PAJN, JUNEAU, AK
SPECIAL NDB RWY 8, PAJN, JUNEAU, AK
SPECIAL RNAV (GPS) W RWY 8, PAJN, JUNEAU, AK
SPECIAL RNAV (GPS) Z RWY 29, PAGS, GUSTAVUS, AK

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	S	SSR	VORTAC	158.00	338.00	R	1-1 1/2		5000	45000	5	29
2	SE	SSR	VORTAC	115.69	295.69	R	1-1 1/2		4000	45000	4	29
3	E		WP	072.00	252.00	L		4	3000	8000	4	13
4	SW		WP	245.60	065.60	R		4	4000	8000	5	9
5	S		WP	164.00	344.00	R		5	5400	10000	6	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	582450.70N/1351403.40W	4877	6A
1	200	AAO	580315.40N/1351933.50W	2975	6A
1	310	AAO	575740.70N/1352300.20W	3968	6A
2	200	AAO	581703.00N/1351424.00W	3304	4E
3	175	AAO	580411.90N/1351421.90W	2354	6A
3	200	AAO	580724.00N/1352248.00W	1759	4E
3	310	AAO	580612.00N/1343718.00W	3888	3A
4	200	AAO	580804.00N/1353301.40W	2131	6A
5	200	AAO	580018.00N/1351106.00W	3097	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	197
2	200	82
5	200	213

REASON FOR NONSTANDARD HOLDING:
PAT 3 TERRAIN

HOLDING RESTRICTIONS:
PAT 3 CHART 175K HOLD
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6000.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS	PAJN	JUNEAU	AK (US)
3	GUSTY	PAGS	GUSTAVUS	AK (US)
3	ISLAND	PAOH	HOONAH	AK (US)
3	RNAV (GPS) RWY 24	PAOH	HOONAH	AK (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
PAT 3 - JUNEAU MAG VAR 23E/2005
PAT 3 - HOONAH MAG VAR 22E/2010
PAT 2,3 - GUSTAUS MAG VAR 25E/2005
PAT 6 - JUNEAU MAG VAR 23E/2005
PAT 2 OBSTRUCTION LOCATED 7778 FT INTO THE SECONDARY.
PAT 3 175 KTS OBSTRUCTION LOCATED 8680 FT INTO THE SECONDARY.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GUSTY	1	3	PAGS	GUSTAVUS	AK (US)
DP	SISTERS (RNAV)	1		PAGS	GUSTAVUS	AK (US)

QUALITY CHECKED

DP	TAKEOFF MINIMUMS	1		PAGS	GUSTAVUS	AK (US)
DP	GUMLE			PAHN	HAINES	AK (US)
DP	ISLAND		3	PAOH	HOONAH	AK (US)
DP	ALSEK		3	PAJN	JUNEAU	AK (US)
DP	CINGA			PAJN	JUNEAU	AK (US)
DP	CUSHI			PAJN	JUNEAU	AK (US)
DP	JUNEAU			PAJN	JUNEAU	AK (US)
DP	TAKEOFF MINIMUMS		1	PAJN	JUNEAU	AK (US)
DP	SITKA			PASI	SITKA	AK (US)
EN ROUTE	CAPSTONE NON-PART 95		3			(US)
EN ROUTE	J502					AK (US)
EN ROUTE	J536					AK (US)
EN ROUTE	J541					AK (US)
EN ROUTE	T278					AK (US)
EN ROUTE	V317					AK (US)
EN ROUTE	V428					AK (US)
EN ROUTE	V593					AK (US)
IAP	RNAV (GPS) Y RWY 29			PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) Z RWY 29			PAGS	GUSTAVUS	AK (US)
IAP	VOR/DME RWY 29	1	2	PAGS	GUSTAVUS	AK (US)
IAP	RNAV (GPS) - A		4	PAHN	HAINES	AK (US)
IAP	RNAV (GPS) RWY 24		3	PAOH	HOONAH	AK (US)
IAP	LDA X RWY 8	1	1	PAJN	JUNEAU	AK (US)
IAP	LDA Y RWY 8	1	1	PAJN	JUNEAU	AK (US)
IAP	LDA Z 8 RWY	1	1	PAJN	JUNEAU	AK (US)
IAP	NDB RWY 8		1	PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) T RWY 8		5	PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) V RWY 8			PAJN	JUNEAU	AK (US)
IAP	RNAV (GPS) W RWY 8			PAJN	JUNEAU	AK (US)
IAP	RNAV (RNP) U RWY 8 (ALASKA AIRLINES 3RD PARTY)	1	1	PAJN	JUNEAU	AK (US)

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

COMPULSORY REPORTING POINT: BOTH

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 02/09/2012

REASON FOR REVISION:
CHANGED PAT 3 MAX TEMPLATE FROM 9 TO 13
UPDATED FIX USE

DEVELOPED BY: **DATE:** 05/19/2011 **OFFICE:** AJV-354 **NAME:** CHARLES SCHNEIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZAN
ATC FACILITY:
OTHER: JNU FSS

Federal Aviation Administration

Memorandum

Date: AUG 08 2012

To: Leslie H. Smith, Manager, Flight Technologies and Procedures Division
THRU: Danny E. Hamilton, Manager, Flight Procedure Implementation & Oversight Branch

From: John Bickerstaff Manager, Production Integration Coordination Team AJV-341

Subject: **ACTION:** Approval Request

CONCURRENCES	
ROUTING SYMBOL	AJV-341 MBeen
INITIALS/SIG	MB
DATE	
ROUTING SYMBOL	AJV-354 Specialist
INITIALS/SIG	
DATE	
ROUTING SYMBOL	AJV-354 Lead
INITIALS/SIG	
DATE	
ROUTING SYMBOL	AJV-354 Manager
INITIALS/SIG	
DATE	8/7/12
ROUTING SYMBOL	AJV-341 ~~Lead~~
INITIALS/SIG	MB
DATE	8/8/12
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	

The attached Approval for Juneau Intl, Juneau, AK (PAJN) is provided for your review.

RNAV (GPS) T RWY 8, ORIG, Juneau Intl, Juneau, AK (PAJN)

Fly Visual to Airport, 8260.3B, Para 3.3.3.e. (1). (TERPS chg 23).

Request approval to limit published visibility to 2 SM and annotate the procedure 'Fly visual to airport' for the RNAV (GPS) T RWY 8, ORIG. Pilots must be able to see the LDIN lights in the Mendenhall Peninsula "Cut" prior to proceeding beyond the MAWP. Visibility is taken at the Juneau Airport. Distance from the "Cut" LDIN lights to the runway is less than 1 ¼ miles. Well under 2 miles visibility. Special crew training required; per the 8260-7B. Familiarity with the airport and its surrounding terrain is required; per the 8260-7B.

If the LDIN lights in the "Cut" are inoperative, the visibility will be increased to 4 SM.

A note: "Use of this procedure requires specific authorization by FAA Flight Standards", will be added to the procedure.

Please respond as soon as possible.

AJV-341:DSilagyi:RA(4-5729): U:\AVN100\PIT\Richelle\420\Approvals\2012\Western\April\AFS-420-approval-Juneau, AK 8-7-12 (PAJN)

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:
Juneau INTL (PAJN)
Juneau, AK
RNAV (GPS) T Rwy 8, Orig

2. Waiver Required and Applicable Standard:
FAAO 8260.54A, Chapter 6. Missed Approach Section 2, request to use the 8260.3B, Table 5, Turning Missed Approach Radii, para 275. Request use of 1 NM flight path radius (R1), with a 2 NM Obstruction Radius (R).

3. Reason for Waiver *(Justification for nonstandard treatment)*:

1. **To permit CAT C operations.**
2. **Rapidly rising terrain to the North, East and South of the airport requires a reduced turn radius to avoid that terrain.**
3. **Request use of 1 NM flight path (R1), with a 2 NM obstruction radius (R2).**
4. **8260.54A missed approach construction does not allow for a 2 NM obstruction radius.**
5. **The airport is located at the entrance of a very long mountain valley in the remote regions of Alaska. The missed approach point is 3.2 NM and offset 14 degrees from the threshold providing the lowest minimums possible.**

4. Equivalent Level of Safety Provided:
1. **All users will be required to demonstrate their ability to execute the missed approach procedure; per 8260-7B.**
2. **Special crew training will be required; per 8260-7B.**
3. **The most adverse wind condition while on final of 30K from a quadrant between 300-360 degrees will be published on the approach plate.**
4. **There is no climb gradient required on the missed approach.**
5. **This is a special instrument approach procedure, thereby restricting users to those knowing the requirements and properly trained. A note: "Use of this procedure requires specific authorization by FAA Flight Standards", will be added to the procedure.**
6. **The Missed approach is constructed using a 1 NM turn radius with a 2 NM obstruction radius, the OCS starts at the latest fix received point at the MAP. The outside tie back in 15 degrees offset from the final approach course. The inside tieback is 15 degrees offset from the 2 NM arc tangent point to the first WP. This method evaluates more obstruction area than the current criteria with the exception of the first turn.**
7. **This procedure was evaluated and found to be satisfactory by FAA Flight Inspection.**

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:

NONE.

6. Coordination With User Organizations *(Specify)*:

AJV-354

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
	AJV 35	**TERMINAL PRODUCTS GROUP**	**GREGORY YAMMAMOTO**

FAA FORM 8260 - 1 / July 2003 (computer generated)

8. CONTINUATION
Comments:

9. AFS ACTION		
		Approved
		Disapproved
		Not Required

Comments:		
Date:	Routing Symbol:	Signature: