

**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><b>AIRPORT</b></u> RALPH WIEN MEMORIAL	<u><b>AIRPORT ID</b></u> PAOT	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 9	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-C	<u><b>CITY</b></u> KOTZEBUE	<u><b>STATE</b></u> AK
<u><b>AIRPORT ELEVATION</b></u> 15	<u><b>TDZE</b></u> 13	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 9	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-B	<u><b>DATED</b></u> 12/07/2017	<u><b>MAG VAR</b></u> 11E
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u>	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 2020

**TAA**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 000/30 CW 150/30	NOPT	000/4 CW 150/4		3700
1. 000/4 CW 150/4		KOTEC	IF/IAF	1900
2. 150/30 CW 270/30		150/7 CW 270/7		4300
2. 150/7 CW 270/7		GIGRE	IAF	2800
3. 270/30 CW 000/30		270/11 CW 000/11		2100
3. 270/11 CW 000/11		HERDU	IAF	1900

**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>
GIGRE	IAF	KOTEC	NOPT	TF	FB	1.00	150.28	5.00	1900
HERDU	IAF	KOTEC	NOPT	TF	FB	1.00	000.27	8.89	1900
KOTEC	IF/IAF	ZIKBO		TF	FB	1.00	090.34	6.99	1500
ZIKBO	PFAF	RW09	MAP	TF	FO	0.30	090.61	4.54	
RW09	MAP	500 MSL		CA			090.61		500
500 MSL		HERDU		DF	FO	1.00			2000

QUALITY  
23  
CHECKED



MISSED APPROACH

MAP:  
LPV: DA  
LNAV/VNAV: DA  
LNAV: RW09

MISSED APPROACH INSTRUCTIONS:  
CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT HERDU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD W KOTEC, RT, 090.34 INBOUND, 1900 FT. IN LIEU OF PT (IAF), MAX 6000.				
3. FAC:	090.61	FAF: ZIKBO	DIST FAF TO MAP: 4.54	DIST FAF TO THLD: 4.54	
4. MIN ALT:	KOTEC 1900, ZIKBO 1500				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.65	GS ANT:
6. MIN GP INCPT: 1500	GP ALT AT FAF : ZIKBO 1500		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 42.2		
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT, CIRCLING RWY 27 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.  
CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C OR ABOVE 54C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART VDP AT 0.95 NM TO RW09\*  
\*LNAV ONLY  
WAAS CHANNEL #57941  
REFERENCE PATH ID: W09A  
CHART FAS OBST: 94 TOWER 665343N/1623556W.  
HOLD SW, RT, 056.44 INBOUND  
LTP HAE: 6.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4





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
LPV DA	263	5000	250	263	5000	250	263	5000	250	263	5000	250			
LNAV/VNAV DA	263	5000	250	263	5000	250	263	5000	250	263	5000	250			
LNAV MDA	360	5500	347	360	5500	347	360	5500	347	360	5500	347			
CIRCLING	520	1	505	520	1	505	720	2	705	720	2 1/4	705			

CHANGES - REASONS

1. MINUMUMS: UPDATED LPV, LNAV/VNAV DA VIS TO RVR 5000. - PER CRITERIA.
2. NOTES: ADDED RWY 9 HELICOPTER VIS REDUCTION BELOW RVR 4000 NOT AUTHORIZED. - 34:1 PENETRATIONS.
3. DELETED DME/DME RNP NOTE - CURRENT CRITERIA.
4. ADDED PBN REQUIREMENTS NOTE RNP APCH - CURRENT CRITERIA.

- 11 /07/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 09/28/18.
1. CHANGED CHART NOTE: STRAIGHT-IN RWY 9 NA AT NIGHT, CIRCLING RWY 9, 18, 36 NA AT NIGHT, CIRCLING RWY 27 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD TO CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT, CIRCLING RWY 27 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.
  2. CHANGED CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED TO CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
  3. LINE 7, CHANGED 20:1 IS NOT CLEAR TO 20:1 IS CLEAR.





COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZAN, AMGR, OTZ FSS

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018,  
SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

LONNIE EVERHART (JOSHUA DUGAN)

Digitally signed by  
DAVID DANNER  
Nov 23, 2018

APPROVED BY

LONNIE EVERHART

Digitally signed by  
DAVID DANNER  
Nov 23, 2018

OFFICE

DATE

OFFICE

DATE

OFFICE

DATE

TITLE

MANAGER









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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
RALPH WIEN MEMORIAL	PAOT	RNAV (GPS) RWY 9	ORIG-C	KOTZEBUE	AK	15	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM000/30 CW 150/30

TO000/4 CW 150/4

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.TREE	671342.00N/1631916.00W	1940	250	3	4A	2000				MT-240	3700
2.TERRAIN	671342.00N/1621916.00W	1840 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:

STRAIGHT-IN AREA

FROM000/4 CW 150/4

TOKOTEC

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.OVER WATER	665543.87N/1630525.60W	0	50	20	2C	2000				MT-100	1900
4.OVER WATER	665543.87N/1630525.60W	0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:





LEFT BASE AREA

FROM

150/30 CW 270/30

TO

150/7 CW 270/7

<u>RNP</u>	<u>DISTANCE</u>	<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>
5.TREE	671116.00N/1615234.00W	2530	250	3	4A	2000				MT-230	4300
6.TERRAIN	671116.00N/1615234.00W	2430 (2400)								AS1500	3900

COMPUTATIONS

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

REMARKS:

LEFT BASE AREA

FROM

150/7 CW 270/7

TO

GIGRE

<u>RNP</u>	<u>DISTANCE</u>	<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>
7.TREE	670830.00N/1625936.00W	1006	500	125	5E	2000				MT-206	2800
8.TERRAIN	670830.00N/1625936.00W	906 (900)								AS1500	2400

COMPUTATIONS

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

REMARKS:





RIGHT BASE AREA

FROM

270/30 CW 000/30

TO

270/11 CW 000/11

<u>RNP</u>	<u>DISTANCE</u>	<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>
9.TREE	665340.29N/1621836.20W	330	250	3	4A	2000				MT-230	2100
10.TERRAIN	665340.29N/1621836.20W	315 (300)								AS1500	1800

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

RIGHT BASE AREA

FROM

270/11 CW 000/11

TO

HERDU

<u>RNP</u>	<u>DISTANCE</u>	<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>
3.OVER WATER	665543.87N/1630525.60W	0	50	20	2C	2000				MT-100	1900
4.OVER WATER	665543.87N/1630525.60W	0 (0)								AS1500	1500

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





INITIAL

FROM

HERDU

TO

KOTEC

RNP

DISTANCE

PAT

MAP

HAT

HMAS

8.89

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
11.SHIP	665543.87N/1630525.60W	208	50	20	2C	1000				AT692	1900
4.OVER WATER	665543.87N/1630525.60W	0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

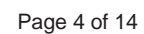
DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT

REMARKS:





<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>
RALPH WIEN MEMORIAL	PAOT	RNAV (GPS) RWY 9	ORIG-C	KOTZEBUE	AK	15	RNAV

**FROM**

TO

ZIKBO

[illegible]

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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## REMARKS:

FROM

ZIKBO

TO

RW09

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	4.54		DA			250						
<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>
12.GRD (POTZT000190)	665318.73N/1623638.99W		14	20	3	1A		34:1				263

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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## REMARKS:







<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>
RALPH WIEN MEMORIAL	PAOT	RNAV (GPS) RWY 9	ORIG-C	KOTZEBUE	AK	15	RNAV

## HOLD-IN-LIEU OF PT

<b><u>FROM</u></b>	<b><u>TO</u></b>
KOTEC	P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
		P-4			

[illegible]

## COMPUTATIONS

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

### MISSED APPROACH : LPV

<b><u>FROM</u></b>	<b><u>TO</u></b>
DA	HERDU

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS

[illegible]

## COMPUTATIONS

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



MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

HERDU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							102				
<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				2000
14.TOWER (02-000590)	665019.62N/1623415.05W	410	20	3	1A	1000					1500
15.TERRAIN	665124.00N/1622700.00W	181 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:

MISSED APPROACH : LNAV

FROM

RW09

TO

HERDU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							260				
<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				2000
14.TOWER (02-000590)	665019.62N/1623415.05W	410	20	3	1A	1000					1500
15.TERRAIN	665124.00N/1622700.00W	181 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:





CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
16.TOWER (02-000668)	665129.80N/1623650.84W	1.30	505	218	20	3	1A	300			520
CATEGORY B											
16.TOWER (02-000668)	665129.80N/1623650.84W	1.81	505	218	20	3	1A	300			520
CATEGORY C											
14.TOWER (02-000590)	665019.62N/1623415.05W	2.84	705	410	20	3	1A	300			720
CATEGORY D											
14.TOWER (02-000590)	665019.62N/1623415.05W	3.70	705	410	20	3	1A	300			720

CIRCLING REMARKS:

CENTER

RADIUS

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VGSI DATA  
RWY 9: 3.00/43.2; RWY 27: 3.30/46.1.

15 FT VEG AND 50 FT BARGES USED PER FPT. FPT ADVISES THAT SHIP HEIGHTS INCREASE TO 208FT BEYOND 5NM FROM SHORELINE. UTILIZED 100FT VEGETATION TO ASSESS VEGETATION FOR MOUNTAINOUS ROC REDUCTION IN TAA AREAS NORTH AND EAST OF BALDWIN PENINSULA. ROC REDUCED IN TAA SECTORS LAW 8260.3B PARAGRAPH 1720. VEGETATION OR WATER DOCUMENTED.

LPV SLOPE: 34:1  
LNAVNAV SLOPE: 24:1

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NOATAK ALTIMETER SETTING: INCREASE ALL DA 107 FEET AND LPV, LNAV/VNAV ALL CATS VISIBILITIES TO RVR 5500; INCREASE ALL MDA 120 FEET AND ALL LNAV VISIBILITIES 1/4 SM, INCREASE CIRCLING VISIBILITY CATS C AND D 1/2 SM.

BARO-VNAV AND VDP NA WHEN USING NOATAK ALTIMETER SETTING.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, OTZ FSS









<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>
RALPH WIEN MEMORIAL		PAOT	RNAV (GPS) RWY 9	ORIG-C	KOTZEBUE	AK	15	RNAV

Final Type	CIRCLING RWY 27									
20:1										
61 TRAVERSE_WAY (02-083356) 665310.69N/1623343.77W (16.82)					60 TRAVERSE_WAY (02-101218) 665310.09N/1623344.56W (16.74)					
50 TRAVERSE_WAY (02-272153) 665306.63N/1623351.17W (16.06)					61 TRAVERSE_WAY (02-113048) 665305.54N/1623345.88W (15.58)					
62 TRAVERSE_WAY (02-101219) 665305.38N/1623344.80W (14.31)					84 TRAVERSE_WAY (02-071426) 665304.09N/1623333.89W (13.64)					
49 TRAVERSE_WAY (02-113164) 665308.75N/1623349.29W (13.59)					43 TRAVERSE_WAY (02-072005) 665307.34N/1623352.00W (11.42)					
53 TERRAIN (02-090659) 665309.61N/1623343.72W (7.60)					50 TERRAIN (02-071448) 665310.14N/1623344.83W (7.32)					
52 TERRAIN (02-098938) 665308.06N/1623344.59W (6.69)					48 TERRAIN (02-262077) 665309.72N/1623345.70W (6.58)					
89 TERRAIN (02-071434) 665309.66N/1623324.39W (5.87)					35 TRAVERSE_WAY (02-072003) 665307.29N/1623353.22W (5.75)					
55 TERRAIN (02-262081) 665308.66N/1623342.24W (5.72)					51 TERRAIN (02-263144) 665305.45N/1623345.98W (5.69)					
81 TERRAIN (02-118569) 665309.77N/1623328.30W (5.63)					61 TERRAIN (02-071452) 665308.51N/1623339.19W (5.60)					
71 TERRAIN (02-262073) 665309.83N/1623333.36W (5.58)					41 TERRAIN (02-072007) 665306.99N/1623350.22W (5.58)					
61 TERRAIN (02-111602) 665310.38N/1623338.18W (5.57)					70 TERRAIN (02-079831) 665309.19N/1623334.20W (5.55)					
40 TERRAIN (02-072006) 665306.58N/1623350.89W (5.46)					47 TERRAIN (02-263143) 665305.79N/1623347.66W (5.32)					
53 TERRAIN (02-176600) 665310.20N/1623342.06W (4.97)					36 TERRAIN (02-072004) 665306.56N/1623352.69W (4.96)					
37 TERRAIN (02-116281) 665306.69N/1623352.07W (4.88)					55 TERRAIN (02-176601) 665307.61N/1623342.29W (4.72)					
90 TERRAIN (02-071831) 665302.84N/1623326.89W (4.65)					36 TRAVERSE_WAY (02-106046) 665307.56N/1623352.00W (4.65)					
70 TERRAIN (02-071424) 665306.04N/1623335.38W (4.58)					60 TERRAIN (02-105918) 665307.40N/1623339.77W (4.58)					
52 TERRAIN (02-176579) 665306.43N/1623344.08W (3.99)					37 TRAVERSE_WAY (02-262643) 665308.76N/1623350.43W (3.83)					
49 TERRAIN (02-262648) 665307.67N/1623344.85W (3.79)					48 TERRAIN (02-176625) 665305.62N/1623346.36W (3.61)					
39 TERRAIN (02-116282) 665308.79N/1623349.26W (3.57)					87 TERRAIN (02-071435) 665310.39N/1623323.51W (2.91)					
90 TERRAIN (02-093696) 665310.04N/1623322.05W (2.69)					98 TERRAIN (02-118509) 665302.63N/1623321.88W (2.64)					
90 TERRAIN (02-071835) 665310.24N/1623321.85W (2.51)					106 TERRAIN (02-071366) 665301.83N/1623317.30W (0.86)					
29 TERRAIN (02-119374) 665306.95N/1623353.70W (0.34)										

Final Type	CIRCLING RWY 36									
20:1										
25 TRAVERSE_WAY (02-111378) 665227.36N/1623702.58W (11.56)					25 TRAVERSE_WAY (02-095332) 665226.93N/1623702.87W (9.30)					
20 TRAVERSE_WAY (02-071540) 665226.87N/1623653.39W (8.56)					15 TERRAIN (02-115835) 665227.76N/1623702.35W (3.65)					

Final Type	LPV, LNAV/VNAV, AND LNAV									
20:1										

QUALITY

23

CHECKED





<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>
RALPH WIEN MEMORIAL	PAOT	RNAV (GPS) RWY 9	ORIG-C	KOTZEBUE	AK	15	RNAV
25 TRAVERSE_WAY (02-176598) 665324.11N/1623637.78W (1.62)				25 TRAVERSE_WAY (02-176603) 665324.33N/1623637.81W (1.33)			
25 TRAVERSE_WAY (02-176606) 665324.53N/1623637.88W (0.98)				25 TRAVERSE_WAY (02-263568) 665321.65N/1623639.89W (0.04)			
Final Type	LPV, LNAV/VNAV, AND LNAV						
34:1							
25 TRAVERSE_WAY (02-176608) 665320.71N/1623640.93W (4.30)							

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

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

**PART C: GENERAL REMARKS:**  
THRESHOLD DISPLACED 400.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
APPROVAL LETTER ON FILE TO MITIGATE VISUAL SURFACE PENETRATIONS ON RWY 27 USING THE INSTALLED VGSI OF 52.3/3.30. AIRPORT NOTIFIED OF REQUIREMENT TO UPDATE VGSI MITIGATION APPROVAL LETTER WITH NEWLY COMMISSIONED VGSI DATA (46.1/3.30).  
  
RWY 9 20:1 PENETRATIONS: ALL VISUAL PENETRATIONS TO FINAL FOR THIS RUNWAY ARE SURVEYED ROAD, AND PENETRATE THE 20:1 VISUAL SURFACE BY LESS THAN 2' (ASSUMING THE STANDARD 15' SURVEYOR ADDITIVE FOR VEHICLES). VEHICLE HEIGHT RESTRICTORS HAVE BEEN PUT IN PLACE (13') THAT MITIGATE THE 20:1 PENETRATIONS.  
  
ORDER 8260.3C, PARAGRAPH 1-2-3B; THE AIRPORT INFRASTRUCTURE REQUIREMENTS OF FAA AC 150/5300-13A, AIRPORT DESIGN, PARAGRAPH 317, TABLE 3-4 PARALLEL TAXIWAY REQUIRED FOR VISIBILITY 3/4 TO LESS THAN 1 SM.  
  
NO ADDITIONAL AIRSPACE REQUIRED.  
ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.





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	2.97
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	101.61
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	13
DISTANCE FROM	THLD	TO 1500FT POINT	4.54
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	101.61
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	13

THRESHOLD  
COORDINATES  
(IF STR-IN)665321.57N/1623628.75W

ARP COORDINATES665305.30N/1623553.30W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP RUNWAY 27 DISTANCE 0.73 NM

FAF  
COORDINATES665416.53N/1624744.83W

FIX NAME  
COORDINATES

REMARKS  
THLD DISPLACED 400FT, ACTUAL COORDINATES: 665322.37N/1623638.56W.





<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>
RALPH WIEN MEMORIAL	PAOT	RNAV (GPS) RWY 9	ORIG-C	KOTZEBUE	AK	15	RNAV

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
LONNIE EVERHART (JOSHUA DUGAN)	AJV-5400		

