

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

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

<u>AIRPORT</u> ANIAK	<u>AIRPORT ID</u> PANI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> ANIAK	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 97	<u>TDZE</u> 97	<u>SUPERSEDED</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 05/26/2016	<u>MAG VAR</u> 12E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 09/10/2020	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 019/30 CW 199/30	NOPT	IKUFU	IF/IAF	3500
2. 199/30 CW 289/30		199/10 CW 289/10		5500
3. 199/10 CW 289/10		NUBDY	IAF	3900
4. 289/30 CW 019/30		289/15 CW 019/15		5800
5. 289/15 CW 019/15		ZEVD	IAF	3500

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZEVD	IAF	IKUFU	NOPT	TF	FB	1.00	018.75	9.00	3500
NUBDY	IAF	IKUFU	NOPT	TF	FB	1.00	199.03	9.00	3500
IKUFU	IF/IAF	ANORE		TF	FB	1.00	108.89	5.70	1700
ANORE	FAF	CALIL/3.30 NM TO RW11		TF	FB	0.30	109.04	1.63	
CALIL/3.30 NM TO RW11		RW11	MAP	TF	FO	0.30	109.04	3.30	
RW11	MAP	1500 MSL		CA			109.04		1500
1500 MSL		IKUFU		DF	FO	1.00			3500

QUALITY
30
CHECKED

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW11

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3500 DIRECT IKUFU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)					
2.	HOLD W IKUFU, LT, 108.89 INBOUND, 3500 FT. IN LIEU OF PT (IF/IAF), MAX 6000.								
3. FAC:	109.04	FAF: ANORE	DIST FAF TO MAP: 4.93	DIST FAF TO THLD: 4.93					
4. MIN ALT:	IKUFU 3500, ANORE 1700, CALIL/3.30 NM TO RW11 1160*								
5. DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	250 HAT: 0.68	GS ANT:			
6. MIN GP INCPT:	1700	GP ALT AT FAF :	ANORE 1700	OM:		MM:		IM:	
7. GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	34.6		
8. MSA FROM:									

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA N OF RWY 11-29.
CHART NOTE: RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV ALL CATS, LNAV CAT A.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 2 1/2 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 2.27 NM TO RW11*
*LNAV ONLY
WAAS CHANNEL #45838
REFERENCE PATH ID: W11A
CHART FAS OBST: 609 TREE 613652N/1593719W.
LTP HAE: 40.1 M



MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B, C 900-4, CAT D 1200-4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	347	1	250	347	1	250	347	1	250	347	1	250			
LNAV/VNAV DA	994	4	897	994	4	897	994	4	897	994	4	897			
LNAV MDA	860	1	763	860	1	763	860	2	763	860	2	763			
CIRCLING	860	1	763	860	1 1/4	763	860	2 1/2	763	1200	3	1103			

CHANGES - REASONS

1. ESTABLISHED TAA AND REMOVED MSA - PER ATC REQUEST.
2. DELETED FEEDERS FROM ANI NDB AND CABOT - TAA DEVELOPED.
3. IAF FIX SUWWO NAME CHANGED FROM SUWWO TO ZEVOD AND MOVED 1.21 NM SOUTHWEST FROM 613326.74N/1600001.00W TO 613252.110N/1600214.780W - RUNWAY RELOCATION/ALIGNED WITH UPDATED IF LOCATION.
4. CHANGED HOLD IN-LIEU INBOUND CRS/ALT AT IKUFU FROM 108.92/3200 TO 108.89/3500 - RUNWAY/NAVAID RELOCATION.
5. CHANGED ZEVOD TO IKUFU CRS/DIST/ALT FROM 018.81/8.00/3200 TO 018.75/9.00/3500 - RUNWAY RELOCATION/ATC REQUEST.
6. CHANGED NUBDY TO IKUFU CRS/DIST/ALT FROM 199.05/8.30/3200 TO 199.03/9.00/3500 - RUNWAY RELOCATION/ATC REQUEST.
7. CHANGED IKUFU TO ANORE CRS/DIST FROM 108.92/5.13 - 108.89/5.70 - RUNWAY RELOCATION.
8. CHANGED ANORE TO CALIL CRS/DIST/ALT FROM 109.05/1.37/1260 TO 109.04/1.63/1160 - RUNWAY RELOCATION.
9. CHANGED CALIL TO RWY 11 CRS/DISTANCE FROM 109.05/3.50 TO 109.04/3.30 - RUNWAY RELOCATION.
10. CHANGED CHART NOTE: FROM "FOR INOPERATIVE MALSF, INCREASE LNAV CAT C AND D VISIBILITY TO 2 1/2 SM" TO "FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 2 1/2 SM" - IAW 8260.19 8-6-11 O(3)(D).
11. CHANGED ADDITIONAL FLIGHT DATA NOTE: FROM "CHART VDP AT 2.22 MILES TO RWY11" TO "CHART VDP AT 2.27 NM TO RWY11" - RUNWAY RELOCATION/UPDATED EVALUATION.
12. CHANGED ADDITIONAL FLIGHT DATA NOTE: FROM "DISTANCE TO THLD FROM 250 HATH: 0.62 NM" TO "DISTANCE TO THLD FROM 250 HATH: 0.68 NM" AND MOVED TO PROFILE - RUNWAY RELOCATION/UPDATED EVALUATION.
13. ADDED MAX HOLDING 6000 TO PROFILE LINE 2 - MAX ALLOWABLE PER PATTERN SIZE.
14. CHARTED APT ELEV AND TDZE CHANGED FROM 95.9/95.8 TO 97/97 - UPDATED AIRPORT DATA/RUNWAY RELOCATION.
15. CHANGED TCH FROM 52.3 TO 34.6 - RUNWAY RELOCATION/UPDATED NAVAID DATA (MIRRORED ILS DESIGN TCH).
16. DISTANCE FAF TO MAP/THLD CHANGED FROM 4.87 TO 4.93 - RUNWAY RELOCATION/UPDATED EVALUATION.
17. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND REPLACED WITH PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H, PARA 8-6-8 B(1).
18. CHANGED CHART NOTE: FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C (0°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C" - IAW 8260.19H 8-6-9S .
19. ADDED CHART NOTE: RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 34:1 PENETRATIONS, IAW 8260.19H 8-6-11 K(3).
23. LTP/FTP LAT/LONG CHANGED FROM 613509.0170N/1593328.0100 TO 613506.8200N/1593330.8000W - RUNWAY RELOCATION/NEW AIRNAV DATA.
20. FPAP LAT/LONG CHANGED FROM 613422.9940N/1593048.5795W TO 613420.8080N/1593051.3575W - RUNWAY RELOCATION/NEW AIRNAV DATA.
21. LENGTH OFFSET CHANGED FROM 0920 TO 0984 - RUNWAY RELOCATION/NEW AIRNAV DATA.
22. CRC REMAINDER CHANGED FROM D5814226 TO 936FF646 - FPAP AND LTP/FTP LOCATIONS AND LENGTH OFFSET CHANGED.
23. ADDITIONAL FLIGHT DATA NOTE: FROM "LTP HAE: 39.7M" TO LTP HAE: 40.1 M" - RUNWAY RELOCATION.
24. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3200 DIRECT IKUFU AND HOLD" TO "CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3500 DIRECT IKUFU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500" - RUNWAY RELOCATION/UPDATED OBSTACLE EVALUATION.
25. CHANGED ALTERNATE MINIMUMS FROM "STANDARD - CAT C 800-2 1/2, CAT D 1200-3" TO "STANDARD - CAT A, B, C 900-4, CAT D 1200-4, NA WHEN LOCAL WEATHER NOT AVAILABLE" - UPDATED EVALUATION/VIS CHECK.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZAN, AMGR, STATE OF ALASKA/DOT/PF

FLIGHT CHECKED BY

KENNETH E JACK

DEVELOPED BY

WARDELL HENNING (PATRICK COMBS)

APPROVED BY

GEORGE DAVIS

Digitally signed by

WARDELL HENNING

Apr 17, 2020

OFFICE

FICO

Digitally signed by DATE

WARDELL HENNING 8/19/2020

Apr 17, 2020

OFFICE

AJV-A432

DATE

01/07/2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PANI
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	613506.8200N
LTP/FTP LONGITUDE	1593330.8000W
LTP/FTP ELLIPSOIDAL HEIGHT	+00401
FPAP LATITUDE	613420.8080N
FPAP LONGITUDE	1593051.3575W
THRESHOLD CROSSING HEIGHT (TCH)	00034.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0984
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	936FF646

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00296
FPAP ORTHOMETRIC HEIGHT	+00296



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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
ANIAK	PANI	RNAV (GPS) RWY 11	2	ANIAK	AK	97	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
019/30 CW 199/30

TO
IKUFU

<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>
1.AAO	613851.00N/1600912.00W		2149	164	98	4E	1000				AT351	3500
2.TERRAIN	613851.00N/1600912.00W		1948 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM
199/30 CW 289/30

TO
199/10 CW 289/10

<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.AAO	614003.00N/1591036.00W		3488	164	98	4E	2000					5500
4.TERRAIN	614003.00N/1591036.00W		3287 (3300)								AS1500	4800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



LEFT BASE AREA

FROM

199/10 CW 289/10

TO

NUBDY

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.AAO	614921.00N/1592048.00W		1897	164	98	4E	2000					3900
6.TERRAIN	614330.00N/1592900.00W		1377 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM

289/30 CW 019/30

TO

289/15 CW 019/15

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.AAO	611012.00N/1594600.00W		3767	164	98	4E	2000					5800
8.TERRAIN	611012.00N/1594600.00W		3566 (3600)								AS1500	5100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



RIGHT BASE AREA

FROM

289/15 CW 019/15

TO

ZEVOD

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.AAO	611700.00N/1595012.00W		958	164	98	4E	2000				AT542	3500
10.TERRAIN	613418.00N/1595906.00W		711 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

ZEVOD

TO

IKUFU

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
9.00												
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
11.AAO	613433.00N/1600236.00W		1352	164	98	4E	1000				AT1148	3500
12.TERRAIN	613433.00N/1600236.00W		1151 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM
NUBDY

TO
IKUFU

RNP	DISTANCE 9.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
13.AAO	614503.00N/1595136.00W		1631	164	98	4E	1000				AT869	3500
14.TERRAIN	614503.00N/1595136.00W		1430 (1400)								AS1500	2900

COMPUTATIONS

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

INTERMEDIATE

FROM
IKUFU (IF/IAF)

TO
ANORE

RNP	DISTANCE 5.70	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
15.AAO	614115.00N/1595412.00W		801	164	98	4E	500				AT203 AC98	1700
16.TERRAIN	613733.00N/1594242.00W		515 (500)								AS1000	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:



FINAL: LPV

FROM

ANORE

TO

RW11

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.93		DA		250							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
17.TREE (02-156154)	613510.15N/1593358.65W		141	20	3	1A		34:1				347

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

ANORE

TO

RW11

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.93		DA		897							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
18.TREE (02-246239)	613652.16N/1593718.67W		609	20	3	1A		24.09:1				994

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM

ANORE

TO

CALIL/3.30 NM TO RW11

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	1.63											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
19.AAO	613639.04N/1594047.43W		850	50	20	2C	250				RA60	1160

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

CALIL/3.30 NM TO RW11

TO

RW11

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	3.30		RW11	763								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
18.TREE (02-246239)	613652.16N/1593718.67W		609	20	3	1A	250					860

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM
IKUFU

TO
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
20.AAO	614521.00N/1595224.00W		1890	164	98	4E	1000				AT610	3500
21.TERRAIN	614521.00N/1595224.00W		1689 (1700)								AS1500	3200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LPV

FROM
DA

TO
IKUFU

RNP	DISTANCE	PAT	MAP	HAT			HMAS 160					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3500
22.TREE	613727.97N/1593600.16W		935	50	20	2C	1000					2000
23.TERRAIN	613727.00N/1593600.00W		849 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

IKUFU

RNP	DISTANCE	PAT	MAP	HAT			HMAS 833					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3500
22.TREE	613727.97N/1593600.16W		935	50	20	2C	1000					2000
23.TERRAIN	613727.00N/1593600.00W		849 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM

RW11

TO

IKUFU

RNP	DISTANCE	PAT	MAP	HAT			HMAS 760					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3500
22.TREE	613727.97N/1593600.16W		935	50	20	2C	1000					2000
23.TERRAIN	613727.00N/1593600.00W		849 (800)								AS1500	2300

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

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
24.ANTENNA (02-153168)	613407.15N/1593236.12W	1.30	763	216	20	10	1B	300		SI	860
CATEGORY B											
25.TREE	613608.23N/1593635.13W	1.81	763	309	250	50	4D	300		SI	860
CATEGORY C											
26.TREE (02-154859)	613630.65N/1593828.72W	2.84	763	546	20	3	1A	300			860
CATEGORY D											
27.VERTICAL_STRUCTURE (02-176602)	613552.00N/1594103.00W	3.72	1103	899	50	20	2C	300			1200

CIRCLING REMARKS:

CENTER

RADIUS

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZAN ARTCC, KENAI FSS

<u>WX SERVICE</u> AWOS	<u>LOCATION</u> PANI	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PANI	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS	<u>LOCATION</u> PALG	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> PALG	<u>DISTANCE</u> 22.751	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 60

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
PANI 97, PALG 63
RA = 59.9.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>	
RW29 - HIRL (PCL)	NPI-G		
RW11 - MALSF (PCL), HIRL (PCL)	PIR-G		

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 97	<u>TCH</u> 34.6	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	400
ON CENTERLINE	☒	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -21C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -25C	<u>APT ISA</u> +14.81C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -40C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.
DESCENT RATE (FPM): STANDARD TEMP 956 HIGH TEMP 1262.



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	LPV, LNAV/VNAV, LNAV		
34:1			
138 TREE (02-156075) 613510.61N/1593356.30W (9.96)		132 TREE (02-156153) 613510.93N/1593357.44W (2.08)	
125 TREE (02-246688) 613509.89N/1593353.26W (1.78)		127 TREE (02-156493) 613509.93N/1593355.30W (1.23)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

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

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

60 FT VEGETATION HEIGHT USED PER FPT.

FPT REQUESTED VGS AND 20:1 PENETRATIONS TO ALL RWYS BE IGNORED. ALL PENETRATIONS NO LONGER EXIST OR WILL BE REMOVED PRIOR TO PUBLICATION DATE (9/10/20) AS COORDINATED WITH ALASKAN DOT.

CONTINGENCY NOTES:

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KALSKAG ALTIMETER SETTING AND INCREASE ALL DAS AND MDAS 60 FT AND INCREASE LNAV CATS C/D VISIBILITY TO 2 1/2 SM. BARO-VNAV AND VDP NA WHEN USING KALSKAG ALTIMETER SETTING.

ORDER 8260.3 CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT</u> ANIAK	<u>AIRPORT ID</u> PANI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 11	<u>AMDT NO.</u> 2	<u>CITY</u> ANIAK	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 97	<u>FACILITY</u> RNAV
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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	4.93
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	121.04
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	700
DISTANCE FROM	THLD	TO 1500FT POINT	10.26
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	121.04
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	500

THRESHOLD COORDINATES (IF STR-IN)

613506.82N/1593330.80W

ARP COORDINATES

613453.06N/1593243.08W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 11 DISTANCE 0.51 NM

FAF COORDINATES

613739.05N/1594220.54W

FIX NAME COORDINATES

IF/IAF IKUFU: 614034.53N/1595235.43W, IAF ZEVOD: 613252.11N/1600214.78W, IAF NUBDY: 614816.25N/1594251.25W

REMARKS

TAA STRAIGHT-IN:
019/30 CW 199/30 TO IKUFU.
TAA LEFTBASE:
199/30 CW 289/30 TO 199/10 CW 289/10
199/10 CW 289/10 TO NUBDY.
TAA RIGHTBASE:
289/30 CW 019/30 TO 289/15 CW 019/15
289/15 CW 019/15 TO ZEVOD.
THLD DISPLACED 400FT, ACTUAL COORDINATES: 613508.86N/1593337.87W.

QUALITY
30
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
WARDELL HENNING (PATRICK COMBS)	AJV-A432	01/07/2020	AERONAUTICAL INFORMATION SPECIALIST

