

**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SUPERSEDED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> 10 SEPTEMBER 2020	<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



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

PENDING

OFFICE

FICO

Digitally signed by DATE

WARDELL HENNING

Apr 17, 2020

DEVELOPED BY

WARDELL HENNING (PATRICK COMBS)

Digitally signed by

WARDELL HENNING

Apr 17, 2020

OFFICE

AJV-A432

DATE

01/07/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by

WARDELL HENNING

Apr 17, 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

