

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR 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.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LP: UJXUW LNAV: UJXUW							
ROGOC (IF/IAF)		CIMIB (TF) (FB) (RNP 1.00)		014.98 / 11.14				1900		CLIMB TO 420 THEN CLIMBING RIGHT TURN TO 4400 DIRECT ROGOC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4400.							
CIMIB (FAF)		UJXUW (MAP) (TF) (FO) (RNP 0.30)		023.28 / 5.29													
UJXUW (MAP)		420 MSL (CA)		023.28				420									
420 MSL		ROGOC (DF) (FO) (RNP 1.00)						4400		ADDITIONAL FLIGHT DATA: CHART FAS OBST: 89 TREE 590255N/1602551W, 80 SHIP 590249N/1602420W. WAAS CHANNEL # 69441 REFERENCE PATH ID: W03A CHART CIRCLING ICON. CIMIB TO RW03: 3.00/40.0. FICTITIOUS THRESHOLD POINT (CFVSJ) DO NOT CHART. FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 6.99 DEGREES. LTP HAE: 19 M							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD S ROGOC, RT, 014.98 INBOUND, 4400 FT. IN LIEU OF PT (IAF)																	
3. FAC: 023.28 FAF: CIMIB DIST FAF TO MAP: 5.29 THLD: 5.78										MAG VAR: 11E EPOCH YEAR: 2020							
4. MIN. ALT: ROGOC 4400, CIMIB 1900																	
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: 20:1 IS NOT CLEAR 34:1 IS NOT CLEAR																	
8. MSA FROM: UJXUW 4500																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E							
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LP MDA		380	1	362	380	1	362	380	1	362	380	1	362				
LNAV MDA		400	1	382	400	1	382	400	1 1/8	382	400	1 1/8	382				
CIRCLING		400	1	382	480	1	462	480	1 1/2	462	800	2 1/2	782				
NOTES: CHART NOTE: CIRCLING NA NW OF RWY 3-21. CHART NOTE: RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. (CONTINUED ON PAGE 2)																	
CITY AND STATE TOGIAC VILLAGE, AK		ELEVATION: 18 TDZE: 18 AIRPORT NAME: TOGIAC		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 1						SUP: AMDT: ORIG DATED 02/16/2006					

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
				ROUTINE	
COORDINATED WITH:					
ATA <div></div>		AAT <div></div>		ALPA <div>X</div>	
APA <div></div>		AOPA <div>X</div>		NBAA <div>X</div>	
OTHER (specify)		<div>X</div> STATE OF ALASKA DOT/PF, ZAN			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
<div>SEAN BARBEE</div> <div><i>Digitally signed by SEAN BARBEE</i> Dec 11, 2017</div>				AJV-5431	09/11/2017
APPROVED BY					
NAME:				FIFO	DATE:
<div>PATRICK MULQUEEN</div> <div>MANAGER</div>				AJV-5430	
CHANGES:					
<div>1. DELETED AND CANCELLED FIXES DUYEG, ANUYI, AND COLAV; REMOVED FIX FAGSI.</div> <div>2. MOVED HOLD-IN-LIEU OF PT FROM ANUYI TO ROGOC AND RE-DESIGNATED ROGOC AS AN IF/IAF; INBOUND COURSE FOR H-I-L CHANGED FROM 010.82 TO 014.98; INTERMEDIATE SEGMENT FROM ROGOC TO CIMIB WITH 014.98/11.14 CRS/DIST REPLACES BOTH TERMINAL ROUTES FROM ROGOC TO ANUYI WITH CRS/DIST OF 010.87/5.23 AND ANUYI TO CIMIB WITH CRS/DIST OF 010.82/6.02; DELETED TERMINAL ROUTE FROM DUYEG TO ANUYI WITH CRS/DIST OF 281.04/7.04; DELETED TERMINAL ROUTE FROM TOGIAK (TOG) NDB TO ANUYI WITH CRS/DIST OF 197.22/12.97.</div> <div>3. MISSED APPROACH CHANGED FROM "CLIMB TO 2700 DIRECT COLAV AND VIA 018 TRACK TO FAGSI AND HOLD" TO "CLIMB TO 420 THEN CLIMBING RIGHT TURN TO 4400 DIRECT ROGOC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4400".</div> <div>4. CHANGED FINAL COURSE FROM 020.18 TO 023.28.</div> <div>5. ADDED LP MINIMUMS - FAS DATA.</div> <div>6. ADDED FIX UJXUW (MAP) AND MOVED MAP TO INTERSECT WITH RUNWAY CENTERLINE EXTENDED AT A POINT 3000 FT FROM RUNWAY THRESHOLD; MOVED CIMIB (FAF) 684.44 FT SOUTH; FINAL COURSE OFFSET 6.99 DEGREES - NOTE ADDED TO PLANVIEW; DISTANCE FAF TO MAP CHANGED FROM 5.68 TO 5.29; DISTANCE FAF TO THLD CHANGED FROM 5.68 TO 5.78; ADDED VDA "CIMIB TO RW03: 3.00/40".</div> <div>7. LOWERED LNAV MDA/HAT FROM 420/399 TO 400/382; LNAV CAT C VISIBILITY INCREASED FROM 1 TO 1 1/8; CAT D VISIBILITY DECREASED FROM 1 1/4 TO 1 1/8.</div> <div>8. CHANGED CIRCLING RESTRICTION FROM "CIRCLING NA FOR CAT D NORTHWEST OF RWY 3-21" TO "CIRCLING NA NW OF RWY 3-21"; ADDED CIRCLING ICON AND APPLIED (SEE FORM 8260-10)</div>					
REASONS:					
<div>1-5. CHANGES TO TERMINAL ROUTES AND MISSED APPROACH, AND ADDITION OF LP MINIMUMS REQUESTED BY ATC AND IFP CHECKLIST.</div> <div>6. UJXUW (MAP) ADDED AND CIMIB (FAF) MOVED TO FACILITATE OFFSET FINAL SEGMENT WHILE ADHERING TO STRAIGHT-IN ALIGNMENT CRITERIA IAW 8260.54A, CHAPTER 3; FINAL SEGMENT OFFSET TO AVOID HIGH TERRAIN ALONG THE COAST.</div> <div>7. PUBLISHED MISSED APPROACH PROCEDURE REQUIRES ADJUSTMENT TO MDA THAT IS NOT REQUIRED BY NEW PROCEDURE.</div> <div>8. RESTRICTION EXPANDED TO ALL CATEGORIES TO ELIMINATE TERRAIN NORTH OF AIRPORT; CAT D MDA AND VISIBILITY INCREASED DUE TO HIGH TERRAIN SOUTH OF AIRPORT IDENTIFIED USING LARGER OBSTACLE SURFACE.</div> <div>9. IAW 8260.19H, PARA 2-5-3B AIRPORT MAGVAR OF RECORD AND NEAREST FUTURE EPOCH YEAR VALUE EXCEEDS 3 DEGREES (15E/2005 TO 11E/2020).</div> <div>10. TCH VALUES FOR VGSI (25.0 FT) AND PROCEDURE DESIGN (40.0 FT) ARE NOT WITHIN 3 FT IAW 8260.19H, PARA 8-6-9M.</div> <div>11. EVALUATION IDENTIFIED 20:1 VISUAL SURFACE PENETRATIONS TO RWY 3.</div> <div>12. PROCEDURE RE-DESIGN ALLOWS FOR PROCEDURE ENTRY FROM BOTH DIRECTIONS ON T223/V462; PROCEDURE ENTRY FROM THE NORTHEAST REQUIRES HOLD-IN-LIEU DUE TO SEGMENT ALIGNMENT CRITERIA.</div> <div>13. PROCEDURE QUALIFIES FOR ALTERNATE MINIMUMS; LOCAL WEATHER IS AVAILABLE 24 HOURS ON WMSCR.</div>					

QUALITY

24

CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT ROGOC ON T223/V462 NORTHEAST BOUND.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).



CITY AND STATE

TOGIAK VILLAGE, AK

ELEVATION: 18

TDZE: 18

AIRPORT NAME:

TOGIAK

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 3, AMDT 1

SUP:

AMDT: ORIG

DATED: 02/16/2006

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div> _____			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
<div>CHANGES:</div> <div>CHANGES CONT.</div> <div>LARGER OBSTACLE IDENTIFICATION SURFACES:</div> <div>CAT C HAA INCREASED FROM 459 TO 462 AND VISIBILITY FROM 1 1/2 TO 2 3/4; CAT D MDA/HAA INCREASED FROM 580/559 TO 800/782 AND VISIBILITY TO 2 1/2.</div> <div>9. UPDATED AIRPORT MAGVAR FROM 15E/2005 TO 11/E/2020.</div> <div>10. ADDED "VGSi AND DESCENT ANGLES NOT COINCIDENT" NOTE.</div> <div>11. DELETED VDP; ADDED "RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" NOTE; CHANGED "34:1 IS CLEAR" NOTE TO "34:1 IS NOT CLEAR" AND ADDED "20:1 IS NOT CLEAR".</div> <div>12. CHANGED TERMINAL ROUTE NOTE FROM "PROCEDURE NA FOR ARRIVALS AT DUYEG VIA V462 NORTHEAST BOUND, AND ARRIVALS AT ROGOC VIA V462 SOUTHWEST BOUND" TO "NOPT FOR ARRIVAL AT ROGOC ON T233/V462 NORTHEAST BOUND".</div> <div>13. ADDED ALTERNATE MINIMUMS NOTE "@ CAT D 800-2 1/2".</div>					
REASONS:					



**RNAV STANDARD 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PATG
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	590256.4820N
LTP/FTP LONGITUDE	1602426.6210W
LTP/FTP ELLIPSOIDAL HEIGHT	+00190
FPAP LATITUDE	590409.8355N
FPAP LONGITUDE	1602249.1835W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 0A3A4FAF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00054
FPAP ORTHOMETRIC HEIGHT	+00054

QUALITY
24
CHECKED

CITY AND STATE TOGIAK VILLAGE, AK	ELEVATION: 18 AIRPORT NAME: TOGIAK	TDZE: 18	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 1	SUP:
					AMDT: ORIG
					DATED: 02/16/2006

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input type="checkbox"/></div>		NBAA <div><input type="checkbox"/></div>	
OTHER (specify)		<div><input type="checkbox"/></div>		<div><input type="checkbox"/></div>	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

QUALITY
24
CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:																								
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE					3. ALTIMETER SETTING					VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1 SURFACE.																			
ZAN ARTCC ENA FSS							N W S		OTHER: AWOS-3P					SOURCE: PATG					PRECIPITOUS TERRAIN EVALUATION COMPLETED.															
							F A A							DISTANCE:																				
							A / C							HOURS REMOTE OPERATION:					0/YES					SEE ATTACHED AIRSPACE LETTER										
SATISFACTORY ON:										LOCATION: PATG										ADJUSTMENT: 0														
4. MONITOR STATUS					PRIMARY NAVAID:															15 FT VEGETATION USED FOR EVALUATION PER FPT.														
					MONITOR POINT:																													
					HRS OPTN:					CAT 1																								
										CAT 3										MAXIMUM SHIP MAST HEIGHT OF 80 FT USED FOR EVALUATION PER FPT.														
5. APPROACH & RUNWAY LIGHTING										ALS					25 DEGREE BANK ANGLE USED FOR MISSED APPROACH TURN EVALUATION.																			
										(S) SALS																								
										MALS																								
										HIRL																								
					X					MIRL 03 (PCL), 21 (PCL)																								
										REIL																								
										TDZ																								
					C/LINE					VGSI DATA: 3.00/25.0																								
X					OTHER (SPECIFY) VASI-4L 21 (PCL) PAPI-4L 03 (PCL)																													
6. RUNWAY MARKINGS					BASIC															FOR CONTINGENCY PURPOSES ONLY: ALTERNATE MINIMUMS: @NA WHEN LOCAL WEATHER NOT AVAILABLE.														
					ALL WEATHER																													
					INSTRUMENT																													
7. RUNWAY VISUAL RANGE					APPROACH															26 VEGETATION (02-218175) 590253.14N/1602427.87W (1.09)														
					MIDFIELD																													
					ROLL OUT																													
8. GLIDE PATH					GP ANGLE:					ELEV RWY THRESHOLD:					33 TRAVERSE_WAY (02-216921) 590249.68N/1602424.86W (0.10) 34:1 33 TRAVERSE_WAY (02-245536) 590249.19N/1602426.46W (3.60) 28 VEGETATION (02-216915) 590252.73N/1602429.45W (3.49)																			
					DISTANCE FROM RWY:					ELEV GP ANTENNA:																								
										THRESHOLD CROSSING HEIGHT:																								
9. FINAL APPROACH COURSE AIMING										RUNWAY THRESHOLD 3000					FT. FROM THRESHOLD					33 TRAVERSE_WAY (02-217313) 590248.71N/1602428.06W (0.89)														
					X					ON CENTERLINE					FT. FROM CENTERLINE																			
10. WAIVERS: NONE																									CIRCLING RWY 21: 20 VEGETATION (02-217709) 590327.49N/1602320.19W (1.66)									
PART D - PREPARED BY:															DATE:										CIRCLING RWY 28: 47 POLE (02-215922) 590317.18N/1602313.83W (21.71) 46 POLE (02-217351) 590318.33N/1602311.49W (17.16) 44 BUILDING (02-216557) 590317.14N/1602312.05W (14.31) 51 POLE (02-219056) 590320.32N/1602306.01W (12.54) 51 CATENARY (02-219063) 590320.40N/1602305.87W (12.35) 32 TRAVERSE_WAY (02-215912) 590317.68N/1602315.52W (11.75) 32 TRAVERSE_WAY (02-215924) 590318.32N/1602314.23W (9.81) 46 POLE (02-215949) 590319.53N/1602307.37W (9.38) 32 TRAVERSE_WAY (02-216560) 590318.92N/1602312.88W (7.64) CONT.									
SEAN BARBEE															09/11/2017																			
TITLE:															OFFICE:										QUALITY 24 CHECKED									
AERONAUTICAL INFORMATION SPECIALIST															AJV-5431																			

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
CATEGORY B	1.5 NM		450							
CATEGORY C	1.7 NM		450							
CATEGORY D	2.3 NM		550							
CATEGORY E	4.5 NM		550							

5. MINIMUM SAFE ALTITUDES					PRIMARY NAVAID:				
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE TOGIAK VILLAGE, AK	ELEVATION: 18 AIRPORT NAME: TOGIAK	FACILITY RNAV	PROCEDURE AND AMENDMENT NO: RNAV (GPS) RWY 3, AMDT 1	REGION AAL
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QUALITY
24
CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: CONTINUED. 32 TRAVERSE_WAY (02-216936) 590320.76N/1602310.46W (5.19) 30 BUILDING (02-216255) 590317.74N/1602313.30W (4.46) 32 TRAVERSE_WAY (02-242250) 590319.78N/1602310.84W (4.28) 32 TRAVERSE_WAY (02-217361) 590319.42N/1602311.04W (4.10) 28 SIGN (02-216550) 590318.58N/1602313.24W (3.88) 31 TRAVERSE_WAY (02-272179) 590320.88N/1602309.45W (1.95) 30 VERTICAL STRUCTURE (02-216239) 590316.80N/1602312.93W (1.81) 31 TRAVERSE_WAY (02-216913) 590319.98N/1602309.94W (1.47) 32 TRAVERSE_WAY (02-217710) 590318.97N/1602309.96W (0.63)			
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING							
SATISFACTORY ON:				N W S	OTHER:		SOURCE:						
				F A A			DISTANCE:						
				A / C			HOURS REMOTE OPERATION:						
	V H F		U H F		H F	LOCATION:			ADJUSTMENT:				
4. MONITOR STATUS		PRIMARY NAVAID:											
		MONITOR POINT:											
		HRS OPTN:	CAT 1			CAT 3							
5. APPROACH & RUNWAY LIGHTING			ALS										
			(S) SALS										
			MALS										
			HIRL										
			MIRL										
			REIL										
			TDZ										
			C/LINE										
6. RUNWAY MARKINGS			OTHER (SPECIFY)										
			BASIC										
			ALL WEATHER										
7. RUNWAY VISUAL RANGE			INSTRUMENT										
			APPROACH										
			MIDFIELD										
8. GLIDE PATH			ROLL OUT										
			GP ANGLE:									ELEV RWY THRESHOLD:	
			DISTANCE FROM RWY:									ELEV GP ANTENNA:	
9. FINAL APPROACH COURSE AIMING			THRESHOLD CROSSING HEIGHT:										
			RUNWAY THRESHOLD									FT. FROM THRESHOLD	
			ON CENTERLINE									FT. FROM CENTERLINE	
10. WAIVERS:													
PART D - PREPARED BY:											DATE:		
TITLE:											OFFICE:		

