

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		LPV: DA LNAV/VNAV: DA LNAV: RW20R CLIMB TO 2000 DIRECT FOPTY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 015.87 INBOUND. CHART FAS OBST: 252 TOWER 603555N/1511240W. DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.16 NM TO RW20R* *LNAV ONLY. WAAS CHANNEL # 99504 REFERENCE PATH ID: W20A CHART CIRCLING ICON. LTP HAE: 34.9 M					
ENA VOR/DME		TBONE (TF) (FO) (RNP 2.00)			016.10 / 8.00			2000							
ZUTOR (IAF)		TBONE (NOPT) (TF) (FB) (RNP 1.00)			263.38 / 8.89			2000							
YILUS (IAF)		TBONE (NOPT) (TF) (FB) (RNP 1.00)			126.05 / 9.20			2000							
TBONE (IF/IAF)		FREDE (TF) (FB) (RNP 1.00)			196.22 / 6.40			1400							
FREDE (FAF)		RW20R (MAP) (TF) (FO) (RNP 0.30)			196.12 / 3.93										
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N TBONE, RT, 196.22 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 196.12 FAF: FREDE DIST FAF TO MAP: 3.93 THLD: 3.93 4. MIN. ALT: TBONE 2000, FREDE 1400 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1400 GS ALT AT: FREDE 1400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.0 34:1 IS CLEAR 8. MSA FROM: RW20R 3500															
										MAG VAR: 15E			EPOCH YEAR: 2020		
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
LPV DA**	298	2400	200	298	2400	200	298	2400	200	298	2400	200			
LNAV/VNAV DA	348	2400	250	348	2400	250	348	2400	250	348	2400	250			
LNAV MDA	520	2400	422	520	2400	422	520	4000	422	520	4000	422			
CIRCLING	560	1	460	580	1	480	580	1 1/2	480	680	2	580			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SOLDOTNA ALTIMETER SETTING. CHART NOTE: CIRCLING RWY 2R, 20L NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 100 TDZE: 98			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:		
KENAI, AK		AIRPORT NAME: KENAI MUNI						RNAV (GPS) RWY 20R, AMDT 4					AMDT: 3B		
													DATED 10/12/2017		

 QUALITY
5
CHECKED

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><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify) <div><input checked="" type="checkbox"/> ZAN, AMGR</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
JASON KRETSCHMER				AJV-5423	08/18/2017
APPROVED BY					
NAME:				FIFO	DATE:
JULIE A. MORGAN				AJV-5420	
CHANGES:					
<div>1. ADDED CHART NOTE: "RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. (NA WHEN USING SOLDOTNA ALTIMETER SETTING)."</div> <div>2. REVISED CIRCLING MDA/HAA FROM 740/640 TO 680/580 FOR CAT D.</div> <div>3. CHART NOTE "NIGHT LANDING RWY 2R, 20L NA" CHANGED TO "CIRCLING RWY 02R,20L NA AT NIGHT".</div> <div>4. CHART NOTE "BARO-VNAV NA WHEN USING SOLDOTNA ALTIMETER SETTING" CHANGED TO "BARO-VNAV AND VDP NA WHEN USING SOLDOTNA ALTIMETER SETTING".</div> <div>5. DELETED CHART NOTE "VDP NA WHEN USING SOLDOTNA ALTIMETER SETTING".</div> <div>6. REVISED FPAP IN FAS DATA FROM 603337.1200N-1511542.4900W TO 603337.1240N-1511542.4925W.</div> <div>7. REVISED CRC REMAINDER IN FAS DATA FROM 862AE51A TO 69B737F9.</div>					
REASONS:					
<div>1. RVR LESS THAN 2400 AUTHORIZED IAW 8400.13. PNOTAM 7/6828 INCORPORATED.</div> <div>2. IPDS DERIVED NEW CONTROLLING OBSTACLE.</div> <div>3. FORMAT OF NOTE CHANGED BY FAAO 8260.19H.</div> <div>4/5. FORMAT OF NOTE FOR REMOTE ALTIMETER PER FAAO 8260.19H.</div> <div>6/7. IPDS RECALCULATED FAS DATA VALUES.</div>					



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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW20R (MAP)	298 MSL (CA)	196.12	
298 MSL	FOPTY (DF) (FO) (RNP 1.00)		2000

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOLDOTNA ALTIMETER SETTING AND INCREASE ALL DA 22 FEET AND ALL MDA 40 FEET, INCREASE LNAV VISIBILITY CAT C AND D TO RVR 5000.

CHART NOTE: ** RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. (NA WHEN USING SOLDOTNA ALTIMETER SETTING).

QUALITY
5
CHECKED

CITY AND STATE

KENAI, AK

ELEVATION: 100

TDZE: 98

AIRPORT NAME:

KENAI MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 20R, AMDT 4

SUP:

AMDT: 3B

DATED: 10/12/2017

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:
CHANGES:					
REASONS:					

**STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAEN
RUNWAY	RW20R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	603453.2520N
LTP/FTP LONGITUDE	1511409.3715W
LTP/FTP ELLIPSOIDAL HEIGHT	+00349
FPAP LATITUDE	603337.1240N
FPAP LONGITUDE	1511542.4925W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0360
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

69B737F9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00298
FPAP ORTHOMETRIC HEIGHT	+00298

QUALITY
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CITY AND STATE

KENAI, AK

ELEVATION: 100

TDZE: 98

AIRPORT NAME:

KENAI MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20R, AMDT 4

SUP:

AMDT: 3B

DATED: 10/12/2017

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		ENA VOR/DME		TBONE		1. AAO		604315.00N/1510624.00W		548		1000		AT452		2000			
						2. TERRAIN		604315.00N/1510624.00W		348 (300)				AS1500		1800			
INITIAL		ZUTOR		TBONE		3. AAO		604051.00N/1501912.00W		607		1000		AT393		2000			
						4. TERRAIN		604051.00N/1501912.00W		407 (400)				AS1500		1900			
INITIAL		YILUS		TBONE		1. AAO		604315.00N/1510624.00W		548		1000		AT452		2000			
						2. TERRAIN		604315.00N/1510624.00W		348 (300)				AS1500		1800			
INTERMEDIATE		TBONE (IF/IAF)		FREDE		1. AAO		604315.00N/1510624.00W		548		500		DG352		1400			
						2. TERRAIN		604315.00N/1510624.00W		348 (300)				AS1000		1300			
FINAL: LPV		FREDE		RW20R								ASC				298/200			
FINAL: LNAV/VNAV		FREDE		RW20R		5. POLE (02-177127)		603427.84N/1511344.95W		159 (1A)		ASC				348/250			
FINAL: LNAV		FREDE		RW20R		6. TOWER (02-000169)		603555.25N/1511240.33W		252 (1A)		250				520			
2. HOLD-IN-LIEU-OF-PT		TBONE		P-6		7. AAO		604757.00N/1504936.00W		568		1000		AT432		2000			
						8. TERRAIN		604757.00N/1504936.00W		368 (400)				AS1500		1900			
3. MISSED APPROACH	MAP:		DA / DA / RW20R		FOPTY								ASC				2000		
	ELEV:		133/187/420				9. TOWER (02-023109)		603037.00N/1511620.90W		367 (1B)		1000				1400		
						10. TERRAIN		603021.00N/1511630.00W		253 (300)				AS1500		1800			
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	460	6. TOWER (02-000169)		603555.25N/1511240.33W		252 (1A)		300		560			
CATEGORY B		1.5 NM			450		480	11. ANT (02-254037)		603427.13N/1511808.75W		271 (1B)		300		580			
CATEGORY C		1.7 NM			450		480	11. ANT (02-254037)		603427.13N/1511808.75W		271 (1B)		300		580			
CATEGORY D		2.3 NM			550		580	9. TOWER (02-023109)		603037.00N/1511620.90W		367 (1B)		300		680			
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES								PRIMARY NAVAID: RW20R											
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)			
360-360		AAO		121/28.9		2458 (4E)		3500											
CITY AND STATE				ELEVATION: 100				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION			
KENAI, AK				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 20R, AMDT 4				AAL			
				KENAI MUNI															

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. VGSI DATA: 3.00/51FT ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.71NM NO ADDITIONAL AIRSPACE REQUIRED. RASS PRESSURE PATTERNS SAME PAEN 100, PASX 113 RA = 21.59. 60FT VEGETATION HEIGHT PER FPT. AVERAGE COLD TEMPERATURE DERIVED FROM 3-YEAR HISTORY (2016-2014) DEVIATION. CRITICAL TEMPERATURES CRITICAL LOW: -18C (0F) CRITICAL HIGH: +54C (130F) ACT: -23C APT ISA: +14.80C DELTA ISA LOW: -33.70C CRITICAL LOW TEMP BASED ON EFFECTIVE GPA DESCENT RATE: STANDARD TEMP 955; HIGH TEMP 1115 TEMPERATURE LIMITS, DELTA ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR TERPS VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS: 20:1 RWY 20L: 137 TREE (02-177193) 603452.48N/1511342.90W (1.69) 134 TREE (02-177189) 603452.43N/1511343.51W (1.26) 131 TREE (02-177187) 603452.12N/1511344.17W (0.46)																			
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING																					
ZAN ARTCC ENA TOWER						N W S		OTHER: ASOS												SOURCE: PAEN / PASX									
						F A A														DISTANCE: 0 / 8.49									
						A / C														HOURS REMOTE OPERATION: 24/YES / 24/YES									
SATISFACTORY ON:																													
X		V H F		X		U H F														H F		LOCATION: PAEN				ADJUSTMENT: 0 / 22			
4. MONITOR STATUS		PRIMARY NAVAID:																											
		MONITOR POINT:																											
		HRS OPTN:		CAT 1																									
				CAT 3																									
5. APPROACH & RUNWAY LIGHTING				ALS																									
				(S) SALS																									
		X		MALSR 20R (PCL)																									
		X		HIRL 02L, 20R																									
				MIRL																									
		X		REIL 02L																									
				TDZ																									
				C/LINE																									
		X		OTHER (SPECIFY) VASI-4L 02L (PCL), 20R (PCL)																									
6. RUNWAY MARKINGS				BASIC																									
				ALL WEATHER PIR-G 02L, 20R																									
				INSTRUMENT																									
7. RUNWAY VISUAL RANGE				APPROACH 20R																									
				MIDFIELD																									
				ROLL OUT 02L																									
8. GLIDE PATH				GP ANGLE: 3.00								ELEV RWY THRESHOLD: 97.9																	
				DISTANCE FROM RWY:								ELEV GP ANTENNA:																	
												THRESHOLD CROSSING HEIGHT: 51.0																	
9. FINAL APPROACH COURSE AIMING						X		RUNWAY THRESHOLD										FT. FROM THRESHOLD											
						X		ON CENTERLINE										FT. FROM CENTERLINE											
10. WAIVERS: NONE																													
PART D - PREPARED BY: JASON KRETSCHMER												DATE: 08/18/2017																	
TITLE: AERONAUTICAL INFORMATION SPECIALIST												OFFICE: AJV-5423																	

