

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		LPV: DA LNAV/VNAV: DA LNAV: RW27						
PENEY (IAF)		SEDGY (TF) (FB) (RNP 1.00)		270.80 / 9.37				12400		CLIMBING RIGHT TURN TO 13400 DIRECT FAMKO AND ON TRACK 038.64 TO BROCC AND HOLD. **MISSED APPROACH REQUIRES MINIMUM CLIMB OF 405 FEET PER NM TO 10000.						
SEDGY		OTASE (TF) (FB) (RNP 1.00)		270.68 / 2.10				11400								
OTASE (IF)		JEXUB (TF) (FB) (RNP 1.00)		274.88 / 3.15				10400								
JEXUB		CEDIX (TF) (FB) (RNP 1.00)		274.84 / 2.62				9900								
CEDIX (FAF)		RW27 (MAP) (TF) (FO) (RNP 0.30)		274.78 / 6.37						ADDITIONAL FLIGHT DATA: HOLD W, LT, 081.00 INBOUND. CHART FAS OBST: 8540 TREE 400203N/1062048W DISTANCE TO THLD FROM 696 HAT: 1.68 NM. CHART VDP AT 5.06 NM TO RW27* *LNAV ONLY. WAAS CHANNEL # 63040 REFERENCE PATH ID: W27A CHART: CIRCLING ICON LTP HAE: 2247.3 M						
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 9E EPOCH YEAR: 2015						
2. PROFILE STARTS AT OTASE																
3. FAC: 274.78 FAF: CEDIX DIST FAF TO MAP: 6.37 THLD: 6.37																
4. MIN. ALT: OTASE 11400, JEXUB 10400, CEDIX 9900																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 9900 GS ALT AT: CEDIX 9900 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.60 TCH: 49.0 34:1 IS NOT CLEAR																
8. MSA FROM: RW27 14800																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		@							
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**	8111	2	696	8111	2	696	8111	2	696		NA					
LPV DA	9045	5	1630	9045	5	1630	9045	5	1630		NA					
LNAV/VNAV DA	8784	4	1369	8784	4	1369	8784	4	1369		NA					
LNAV MDA	9100	1 1/4	1685	9100	1 1/2	1685	9100	3	1685		NA					
CIRCLING	9180	1 1/4	1765	9180	1 1/2	1765	9180	3	1765		NA					
NOTES: CHART NOTE: CIRCLING NA AT NIGHT. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -29C (-21F) OR ABOVE 33C (91F). CHART NOTE: CIRCLING NA SOUTH OF RWY 09-27. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																
CITY AND STATE KREMMLING, CO		ELEVATION: 7415 TDZE: 7415 AIRPORT NAME: MC ELROY AIRFIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG				SUP: AMDT: NONE DATED						

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE <div>ROUTINE</div>	
COORDINATED WITH: <div><div>ATA<input type="checkbox"/></div><div>AAT<input type="checkbox"/></div><div>ALPA<input type="checkbox"/></div><div>APA<input type="checkbox"/></div><div>AOPA<input checked="" type="checkbox"/></div><div>NBAA<input checked="" type="checkbox"/></div><div>OTHER (specify) DEN FSS, ZDV, AMGR, CO AERO</div></div>					
FLIGHT CHECKED BY					
NAME: ANTHONY ERIC BAMSEY		Digitally signed by DONALD H LANIER May 15, 2017		FIFO FIOG	DATE: 05/03/2017
DEVELOPED BY					
NAME: BEV L BORDY (WARDELL HENNING)		Digitally signed by DONALD H LANIER May 15, 2017		FIFO AJV-5433	DATE: 03/03/2017
APPROVED BY					
NAME: PATRICK MULQUEEN		Digitally signed by DONALD H LANIER MANAGER May 15, 2017		FIFO AJV-5430	DATE:
CHANGES: ORIGINAL PROCEDURE.					
REASONS: PDF EDIT: ADDED ** TO LPV MINIMA WITH CG IN THE MISSED SEGMENT. 05/15/17: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/03/17. 1. ADDED CHART NOTE: CIRCLING NA SOUTH OF RWY 09-27 PER FLIGHT CHECK.					

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
RW27 (MAP)	7815 MSL (CA)	274.78	
7815 MSL	FAMKO (DF) (FB) (RNP 1.00)		
FAMKO	BROCC (TF) (FO) (RNP 1.00)	038.64 / 12.55	13400

NOTES, (CONT.):

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PENEY ON V8 EASTBOUND.

QUALITY
34
CHECKED

CITY AND STATE

KREMMLING, CO

ELEVATION: 7415

TDZE: 7415

AIRPORT NAME:

MC ELROY AIRFIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, ORIG

SUP:

AMDT: NONE

DATED:

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:					

**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	20V
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	400305.8915N
LTP/FTP LONGITUDE	1062133.7235W
LTP/FTP ELLIPSOIDAL HEIGHT	+22473
FPAP LATITUDE	400326.9750N
FPAP LONGITUDE	1062326.4670W
THRESHOLD CROSSING HEIGHT (TCH)	00049.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.60
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1064
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 73A486CE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+22602
FPAP ORTHOMETRIC HEIGHT	+22602

QUALITY
34
CHECKED

CITY AND STATE KREMMLING, CO	ELEVATION: 7415 TDZE: 7415 AIRPORT NAME: MC ELROY AIRFIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG	SUP:
				AMDT: NONE
				DATED:

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

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.		
INITIAL	PENEY	SEDGY	1. AAO	395718.00N/1055842.00W	10959 (2C)	1000	PR290 AT100	12400		
			1. TERRAIN	395718.00N/1055842.00W	10759		AS1500	12300		
					(10800)					
INITIAL: STEPDOWN	SEDGY	OTASE	2. AAO	400115.00N/1060154.00W	10079 (2C)	1000	PR230	11400		
			3. TERRAIN	400012.00N/1060357.00W	9359 (9400)		AS1500	10900		
INTERMEDIATE	OTASE	JEXUB	4. AAO	400151.00N/1060500.00W	9549 (2C)	500	PR150 AT200	10400		
			5. TERRAIN	395849.00N/1060739.00W	8719 (8700)		AS1500	10200		
INTERMEDIATE:	JEXUB	CEDIX	6. AAO	400215.00N/1061315.00W	8619 (2C)	500	PR80	9200		
STEPDOWN			6. TERRAIN	400215.00N/1061315.00W	8419 (8400)		AS1500	9900		
FINAL: LPV**	CEDIX	RW27	7. WIND CONE	400255.47N/1062101.79W	7505 (1A)	34:1	MA446	8111/696		
			(K20VT000130)							
FINAL: LPV	CEDIX	RW27	7. WIND CONE	400255.47N/1062101.79W	7505 (1A)	34:1	MA1630	9045/1630		
			(K20VT000130)							
FINAL: LNAV/VNAV	CEDIX	RW27	8. TREE	400203.00N/1062048.00W	8540 (2C)	19.53:1	AC20	8784/1369		
FINAL: LNAV	CEDIX	RW27	8. TREE	400203.00N/1062048.00W	8540 (2C)	250	MA240 XL19 SA51	9100		
2. PROCEDURE TURN										
3. MISSED APPROACH	MAP:	DA / DA / DA /	BROCC	10. AAO	400706.00N/1062330.00W	9399 (2C)	ASC	13400		
		RW27		11. AAO	403754.00N/1064048.00W	11919 (2C)	1000	13000		
	ELEV:	7961/8895/8589/8990		12. TERRAIN	402308.00N/1062512.00W	11239	AS1500	12700		
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	1765	13. TREE	400142.00N/1062108.00W	8880 (2C)	300	9180
CATEGORY B	1.5 NM		450		1765	13. TREE	400142.00N/1062108.00W	8880 (2C)	300	9180
CATEGORY C	1.7 NM		450		1765	13. TREE	400142.00N/1062108.00W	8880 (2C)	300	9180
CATEGORY D	2.3 NM		550							
CATEGORY E	4.5 NM		550							
5. MINIMUM SAFE ALTITUDES										
PRIMARY NAVAID: RW27										
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	
360-360	AAO	118/30.0	13708 (4E)	14800						
CITY AND STATE		ELEVATION: 7415		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION		
KREMMLING, CO		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 27, ORIG		ANM		
		MC ELROY AIRFIELD								

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITIOUS TERRAIN EVALUATION COMPLETED. SEE ATTACHED AIRSPACE LETTER. 100 FT VEGETATION USED. VISUAL PORTION OF FINAL PENETRATIONS: 34:1 7499 RD (N) (K20VT000530) 400305.58N/1062100.59W (15.83) 7494 GRD (K20VT000275) 400306.86N/1062101.71W (14.22) 7488 RD (N) (K20VT000523) 400305.29N/1062104.77W (13.92) 7478 GRD (K20VT000265) 400307.11N/1062106.72W (9.53) 7440 RD (N) (K20VT000346) 400307.72N/1062123.33W (8.87) 7490 RD (N) (K20VT000529) 400304.33N/1062100.92W (6.69) 7440 RD (N) (K20VT000357) 400307.23N/1062122.00W (5.57) 7477 GRD (K20VT000270) 400306.51N/1062105.50W (5.40) 7442 RD (N) (K20VT000368) 400306.73N/1062120.67W (4.26) 7476 RD (N) (K20VT000522) 400304.27N/1062105.34W (2.47) 7443 RD (N) (K20VT000379) 400306.24N/1062119.35W (1.99) 7483 RD (N) (K20VT000528) 400303.69N/1062102.05W (1.75) 7479 RD (N) (K20VT000527) 400303.52N/1062103.32W (0.45) 7478 GRD (K20VT000271) 400305.32N/1062103.02W (0.05) 5 YEAR WEATHER HISTORY NOT AVAILABLE CRITICAL TEMPERATURES: CRITICAL LOW :-29C (-20F) CRITICAL HIGH :+33C (+91F) ACT :-29C APT ISA :-20C CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 1090 HIGH TEMP 1232. ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.48NM CAT B: 2.14NM CAT C: 3.41NM														
1. COMMUNICATIONS WITH: ZDV ARTCC DEN FSS					2. WEATHER SERVICE <div>N W S</div> <div>F A A</div> <div>A / C</div> <div>OTHER: AWOS-3</div>															3. ALTIMETER SETTING SOURCE: K20V DISTANCE: HOURS REMOTE OPERATION: 24/YES				
SATISFACTORY ON:					LOCATION: K20V															ADJUSTMENT: 0				
4. MONITOR STATUS		PRIMARY NAVAID:																						
		MONITOR POINT:																						
		HRS OPTN:		CAT 1																				
				CAT 3																				
5. APPROACH & RUNWAY LIGHTING		ALS																						
		(S) SALS																						
		MALS																						
		HIRL																						
		X		MIRL 09 (PCL), 27 (PCL)																				
		X		REIL 09 (PCL), 27 (PCL)																				
				TDZ																				
				C/LINE																				
		X		OTHER (SPECIFY) PAPI-2L 09 (PCL), 27 (PCL)																				
6. RUNWAY MARKINGS		BASIC																						
		ALL WEATHER																						
		INSTRUMENT NPI-G 09, 27																						
7. RUNWAY VISUAL RANGE		APPROACH																						
		MIDFIELD																						
		ROLL OUT																						
8. GLIDE PATH		GP ANGLE: 3.60						ELEV RWY THRESHOLD: 7415.2																
		DISTANCE FROM RWY:						ELEV GP ANTENNA:																
								THRESHOLD CROSSING HEIGHT: 49.0																
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD						FT. FROM THRESHOLD												
				X		ON CENTERLINE						FT. FROM CENTERLINE												
10. WAIVERS: NONE																								
PART D - PREPARED BY: BEV L BORDY (WARDELL HENNING)										DATE: 03/03/2017														
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5433														

