

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: RW07 CLIMB TO 5700 THEN CLIMBING RIGHT TURN TO 10800 DIRECT ELIZZ AND HOLD. **MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 425 FT PER NM TO 8200 FT. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 323.00 INBOUND. FAS OBST: 5859 AAO 400451N/1085347W. 5942 AAO 400315N/1085415W. CHART VDP AT 5.87 NM TO RW07* *LNAV ONLY. WAAS CHANNEL # 99541 REFERENCE PATH ID: W07A CHART CIRCLING ICON. DISTANCE TO THLD FROM 350 FT HAT: 1.01 NM LTP HAE: 1579.8 M									
BONGO (IAF)		IDTOJ (TF) (FB) (RNP 1.00)		096.33 / 16.08				8200											
ELIZZ (IAF)		IDTOJ (TF) (FB) (RNP 1.00)		032.01 / 13.90				8200											
IDTOJ (IF)		UGXER (TF) (FB) (RNP 1.00)		067.25 / 5.00				7400											
UGXER (FAF)		RW07 (MAP) (TF) (FO) (RNP 0.30)		067.32 / 6.66															
RW07 (MAP)		5700 MSL (CA)		067.32															
5700 MSL		ELIZZ (DF) (FO) (RNP 1.00)						10800											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT IDTOJ 3. FAC: 067.32 FAF: UGXER DIST FAF TO MAP: 6.66 THLD: 6.66 4. MIN. ALT: IDTOJ 8200, UGXER 7400 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 7400 GS ALT AT: UGXER 7400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW07 10300																MAG VAR: 10E		EPOCH YEAR: 2020	
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**	5599	1	350	5599	1	350	5599	1	350		NA								
LPV DA	6013	2 1/2	764	6013	2 1/2	764	6013	2 1/2	764		NA								
LNAV/VNAV DA	6041	2 1/2	792	6041	2 1/2	792	6041	2 1/2	792		NA								
LNAV MDA	7180	1 1/4	1931	7180	1 1/2	1931	7180	3	1931		NA								
CIRCLING	7180	1 1/4	1902	7180	1 1/2	1902	7180	3	1902		NA								
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -28C (-18F) OR ABOVE 54C (130F). @ CAT A, B 2000-2, CAT C 2000-3 CHART NOTE: CIRCLING RWY 25 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BONGO ON V200 WESTBOUND.																			
CITY AND STATE		ELEVATION: 5278 TDZE: 5249				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, ORIG				SUP:							
RANGELY, CO		AIRPORT NAME: RANGELY										AMDT: NONE							
												DATED							

QUALITY
 10
 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></div>		AAT <div></div>		ALPA <div>X</div>	
APA <div></div>		AOPA <div>X</div>		NBAA <div>X</div>	
OTHER (specify) <div>WST, ZDV</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
DAVID TEFFETELLER (FRANK MOORE)				AJV-5433	10/02/2017
APPROVED BY					
NAME:				FIFO	DATE:
PATRICK MULQUEEN				AJV-5430	
MANAGER					
CHANGES:					
ORIGINAL.					
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	4V0
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	400531.4320N
LTP/FTP LONGITUDE	1084627.1915W
LTP/FTP ELLIPSOIDAL HEIGHT	+15798
FPAP LATITUDE	400550.8530N
FPAP LONGITUDE	1084433.8760W
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	0800
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 E85F9E1A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+15964
FPAP ORTHOMETRIC HEIGHT	+15964

CITY AND STATE

RANGELY, CO

ELEVATION: 5278

TDZE: 5249

AIRPORT NAME:

RANGELY

FACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 7, ORIG

SUP:

AMDT: NONE

DATED:

QUALITY
10
CHECKED

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
COORDINATED WITH:					
ATA	AAT	ALPA	APA	AOPA	NBAA OTHER (specify)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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	BONGO	IDTOJ	1. AAO	400112.00N/1090027.00W	6172 (3E)	1000	AT1028	8200			
			2. TERRAIN	400157.00N/1090230.00W	5942 (5900)		AS1500	7400			
INITIAL	ELIZZ	IDTOJ	3. AAO	395803.00N/1090424.00W	6782 (2E)	1000	AT418	8200			
			4. TERRAIN	395803.00N/1090424.00W	6582 (6600)		AS1500	8100			
INTERMEDIATE	IDTOJ	UGXER	5. AAO	400024.00N/1090048.00W	6457 (3E)	500	AC125 GS318	7400			
			6. TERRAIN	400424.00N/1085727.00W	6136 (6100)		AS1000	7100			
FINAL: LPV**	UGXER	DA	7. VEGETATION (08-034313)	400527.13N/1084629.67W	5267 (1A)	34:1	MA319	5599/350			
FINAL: LPV	UGXER	DA	7. VEGETATION (08-034313)	400527.13N/1084629.67W	5267 (1A)	34:1	MA746	6013/764			
FINAL: LNAV/VNAV	UGXER	DA	8. POLE (08-021814)	400445.34N/1084742.79W	5470 (1A)	23.75:1	MA226	6041/792			
FINAL: LNAV	UGXER	RW07	9. AAO	400451.00N/1085347.00W	5859 (2C)	250	XL34 MA1037	7180			
2. PROCEDURE TURN											
3. MISSED APPROACH	MAP: RW07		ELIZZ	10. TREE	400445.65N/1084135.50W	6693 (2C)	ASC	10800			
	ELEV: 5341/5590/5892/7046			11. AAO	395953.00N/1084039.00W	7805 (2C)	1000	8900			
				12. TERRAIN	395953.00N/1084039.00W	7605 (7600)		AS1500 9100			
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.									
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	1902	13. TREE (08-043834)	400706.41N/1084437.90W	6029 (1B)	300	SI	7180
CATEGORY B	1.5 NM		450		1902	14. TREE (08-058118)	400741.58N/1084419.40W	6291 (1B)	300	SI	7180
CATEGORY C	1.7 NM		450		1902	10. TREE	400445.65N/1084135.50W	6693 (2C)	300	SI	7180
CATEGORY D	2.3 NM		550								
CATEGORY E	4.5 NM		550								
5. MINIMUM SAFE ALTITUDES				PRIMARY NAVAIID: RW07							
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A		
360-360	AAO	158/26.6	9265 (3E)	10300							
CITY AND STATE		ELEVATION: 5278		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION			
RANGELY, CO		AIRPORT NAME: RANGELY		RNAV		RNAV (GPS) RWY 7, ORIG		ANM			

QUALITY
10CHECKED
ANM

PART B - SUPPLEMENTAL DATA										<div>PART C - REMARKS:</div> <div>CRITICAL TEMPERATURES: CRITICAL LOW :-28C (-18F) CRITICAL HIGH :+54C (+130F) ACT :-28C APT ISA :-32.55C</div> <div>CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2012-2016). CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 880 HIGH TEMP 1193.</div> <div>ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.43NM CAT B: 2.05NM CAT C: 3.25NM</div> <div>SEE ATTACHED AIRSPACE LETTER. RASS PRESSURE PATTERNS THE SAME K4V0 5278, KVEL 5278 RA = 92.3.</div> <div>PRECIPITOUS TERRAIN EVALUATION COMPLETED.</div> <div>VGSI DATA: 3.00/40.0</div> <div>LPV OCS SURFACE = 34:1 LNAV/VNAV OCS SURFACE = 23.75:1</div> <div>VEGETATION: 30 FT PER FPT.</div> <div>BARO-VNAV AND VDP NA WHEN USING VERNAL ALTIMETER SETTING.</div> <div>WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VERNAL ALTIMETER SETTING AND INCREASE ALL DAS 93 FT, MDAS 100 FT; INCREASE **LPV ALL CATS VISIBILITY 3/8 SM AND LNAV/VNAV ALL CATS VISIBILITY 1 1/2 SM.</div> <div>25.49 BANK ANGLE USED FOR MISSED APPROACH TO AVOID HIGH TERRAIN.</div> <div>MISSED APPROACH OBSTRUCTIONS RAISING DA/MDA'S; LPV - AAO 6693 (2C) 400445.65N/1084135.50W LNAV/VNAV - AAO (08-057863) 5917 (1B) 400341.77N/1084700.64W LNAV - AAO 7781 (2C) 400036.00N/1084106.00W</div> <div>VISUAL PORTION OF FINAL PENETRATIONS: CIRCLING RWY 25: 20:1 5287 VERTICAL POINT (08-034209) 400545.73N/1084502.83W (3.88)</div> <div>ORDER 8260.3 CHAPTER 2 APPLIED TO 5942 AAO 400315N/1085415W.</div> <div><div>QUALITY 10 CHECKED</div></div>														
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE															3. ALTIMETER SETTING				
ZDV ARTCC							N W S													OTHER: AWOS-3PT				
							F A A																	
							A / C																	
Satisfactory ON:					LOCATION: K4V0															ADJUSTMENT: 0 / 93				
4. MONITOR STATUS					PRIMARY NAVAID:																			
					MONITOR POINT:																			
					HRS OPTN:		CAT 1																	
5. APPROACH & RUNWAY LIGHTING							ALS																	
							(S) SALS																	
							MALS																	
							HIRL																	
					X		MIRL 07 (PCL), 25 (PCL)																	
					X		REIL 07 (PCL), 25 (PCL)																	
							TDZ																	
							C/LINE																	
X		OTHER (SPECIFY) PAPI-2L 07																						
6. RUNWAY MARKINGS					BASIC																			
					ALL WEATHER																			
					INSTRUMENT NPI-G 07, 25																			
7. RUNWAY VISUAL RANGE					APPROACH																			
					MIDFIELD																			
					ROLL OUT																			
8. GLIDE PATH					GP ANGLE: 3.00					ELEV RWY THRESHOLD: 5237.4														
					DISTANCE FROM RWY:					ELEV GP ANTENNA:														
										THRESHOLD CROSSING HEIGHT: 40.0														
9. FINAL APPROACH COURSE AIMING					X		RUNWAY THRESHOLD FT. FROM THRESHOLD																	
					X		ON CENTERLINE FT. FROM CENTERLINE																	
10. WAIVERS: NONE																								
PART D - PREPARED BY: DAVID TEFFETELLER (FRANK MOORE)										DATE: 10/02/2017														
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5433														