

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: RW17 CLIMB TO 4000 DIRECT ASAZE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 354.13 INBOUND. FAS OBST: 2270 AAO 352940N/0992422W DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 1.42 MILES TO RW17* *LNAV ONLY. WAAS CHANNEL # 82408 REFERENCE PATH ID: W17A CHART CIRCLING ICON. LTP HAE: 586.3 M						
BFV VORTAC		EHOMO (FO)		332.15 / 24.66				4000								
ROLLS (IAF)		EHOMO (NOPT) (FB)		142.84 / 7.28				4000								
EHOMO (IF/IAF)		VOLSE (FB)		174.13 / 6.00				3600								
VOLSE (FAF)		RW17 (MAP) (FO)		174.13 / 4.82												
RW17 (MAP)		2263 MSL		174.13				4000								
2263 MSL		ASAZE (FO)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 6E EPOCH YEAR: 2010						
2. HOLD N EHOMO, RT, 174.13 INBOUND, 4000 FT. IN LIEU OF PT (IAF)																
3. FAC: 174.13 FAF: VOLSE DIST FAF TO MAP: 4.82 THLD: 4.82																
4. MIN. ALT: EHOMO 4000, VOLSE 3600																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 3600 GS ALT AT: VOLSE 3600 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: 52.4 34:1 IS CLEAR																
8. MSA FROM: RW17 4100																
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	2263	3/4	250	2263	3/4	250	2263	3/4	250	2263	3/4	250				
LNAV/VNAV DA	2263	3/4	250	2263	3/4	250	2263	3/4	250	2263	3/4	250				
LNAV MDA	2520	3/4	507	2520	3/4	507	2520	1 3/8	507	2520	1 3/8	507				
CIRCLING																
	2520	1	507	2680	1	667	2680	1 3/4	667	2740	2 1/4	727				
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 CLINTON-SHERMAN ALTIMETER SETTING. @ CAT D 800-2 1/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ROLLS ON V210-507 WESTBOUND. (CONTINUED ON PAGE 2)																
CITY AND STATE ELK CITY, OK		ELEVATION: 2013 TDZE: 2013 AIRPORT NAME: ELK CITY RGNL BUSINESS		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2				SUP: AMDT: 1 DATED 09/25/2008		QUALITY 5 CHECKED				

ALL AFFECTED PROCEDURES REVIEWED? <div><input checked="" 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></div>	
APA <div></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> ZFW ARTCC, ST. AV. DIR., AIRPORT MANAGER</div>			
FLIGHT CHECKED BY					
NAME: <div><i>Digitally signed by</i> JACOB POWERS Jul 19, 2016</div> <div>ERIC WEINGAERTNER</div>				FIFO FICO	
				DATE: 05/04/2016	
DEVELOPED BY					
NAME: <div>THOMAS L KIRKPATRICK</div>				<div><i>Digitally signed by</i> THOMAS L KIRKPATRICK</div>	
				FIFO AJV-5422	
				DATE: 03/22/2016	
APPROVED BY Mar 22, 2016					
NAME: <div><i>Digitally signed by</i> JACOB POWERS Jul 19, 2016</div> <div>GEORGE GONZALEZ</div>				FIFO AJV-5420	
				DATE:	
CHANGES:					
<div>1. REMOVED SYO VORTAC, SERTS, JILAL, KUDPE INITIALS. 2. ADDED BFV VORTAC FEEDER AND PLANVIEW NA NOTE. 3. CHANGED EHOMO TO VOLSE DISTANCE FROM 6.23 TO 6.00. 4. CHANGED DIST FAF TO MAP/THLD FROM 4.76/4.76 TO 4.82/4.82. 5. CHANGED TCH FROM 50 TO 52.4. 6. CHANGED 34:1 FROM NOT CLEAR TO CLEAR. 7. ADDED CAT D MINIMUMS. 8. CHANGED LPV VISIBILITY FROM 1 TO 3/4 MILE ALL CATS. 9. CHANGED LNAV/VNAV DA/HAT FROM 2361/348 TO 2263/250 AND VISI FROM 1 1/4 TO 3/4. 10. CHANGED LNAV MDA/HAT FROM 2480/467 TO 2520/507, CHANGED CAT C VISI FROM 1 1/4 TO 1 3/8. 11. CHANGED CIRCLING CAT B/C MDA/HAA FROM 2520/507 TO 2680/667 AND CHANGED CAT C VISI FROM 1 1/2 TO 1 3/4. 12. CHANGED LOW BARO-VNAV TEMPS FROM -19(-2F) TO -18(0F). 13. CHANGED FAS OBST FROM 2219 TREE TO 2270AAO, REMOVED 2027 TREE. 14. DIST TO THLD FROM 250 HAT CHANGED FROM 0.63 TO 0.62. (SEE FORM 8260-10)</div>					
REASONS:					
<div>1, 2. SYO VORTAC DECOMMISSIONED RESULTING IN PROCEDURE REDESIGN. 3. VOLSE MOVED TO NEW PFAF DISTANCE AND EHOMO MOVED TO WHOLE DISTANCE. 4. VOLSE MOVED TO PFAF LOCATION. 5. TO MATCH VGSI. 6, 15. VISUAL SURFACES ARE CLEAR. 7. AMGR REQUEST. 8. NEW VISIBILITY TABLE. 9. AMGR REQUEST AND NEW VISIBILITY TABLE. 10. AAO ADDED TO FINAL. 11, 16. ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING AREA CRITERIA APPLIED. 12. DERIVED FROM AFS CALCULATOR. 13. AAO ADDED. 14. TCH CHANGED. 17. FPAP DATA UPDATED. 18. REQUIRED FOR WHEN ODALS ARE OUT.</div>					



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: PROCEDURE NA FOR ARRIVALS ON BFV VORTAC AIRWAY RADIALS 266 CW 055.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLINTON-SHERMAN ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET, INCREASE LPV AND LNAV/VNAV VISIBILITY 1/8 MILE ALL CATS; INCREASE LNAV ALL CATS AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV ALL CATS AND LNAV CATS C/D. WHEN USING CLINTON-SHERMAN ALTIMETER SETTING, FOR INOPERATIVE ODALS, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY TO 7/8 MILE AND LNAV CAT D VISIBILITY TO 1 5/8 MILE.

QUALITY
5
CHECKED

CITY AND STATE ELK CITY, OK	ELEVATION: 2013 AIRPORT NAME: ELK CITY RGNL BUSINESS	TDZE: 2013	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2	SUP:
					AMDT: 1
					DATED: 09/25/2008

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>
NBA <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: CHANGES CONT. 15. ADDED VDP. 16. ADDED CHART CIRCLING ICON. 17. CRC REMAINDER CHANGED FROM 7E46F6AE TO D290EA61. 18. ADDED INOP NOTES FOR ODALS.					
REASONS:					



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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KELK
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	352617.5460N
LTP/FTP LONGITUDE	0992339.3230W
LTP/FTP ELLIPSOIDAL HEIGHT	+05863
FPAP LATITUDE	352448.3090N
FPAP LONGITUDE	0992339.5705W
THRESHOLD CROSSING HEIGHT (TCH)	00052.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 D290EA61

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+06135
FPAP ORTHOMETRIC HEIGHT	+06135

QUALITY
5
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CITY AND STATE ELK CITY, OK	ELEVATION: 2013 AIRPORT NAME: ELK CITY RGNL BUSINESS	TDZE: 2013	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2	SUP:
					AMDT: 1
					DATED: 09/25/2008

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:					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION												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.		
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE														
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33														
ARINC SUMMARY - KELK														
ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BFV	010	BFV	IF	FB										V
BFV	020	EHOMO	TF	FO	2.0	332.2						AA 04000		EY
BFV	030	EHOMO	HF	FO		174.1			R			AA 04000		EE A
ROLLS	010	ROLLS	IF	FB										E A
ROLLS	020	EHOMO	TF	FB	1.0	142.8						AA 04000		EE B
	010	EHOMO	IF	FB								AA 04000		E I
	020	VOLSE	TF	FB	1.0	174.1				RW17		AA 03600		E F
	030	RW17	TF	FO	0.3	174.1		3.00				AT 02065		GY M
	040		CA	FB		174.1						AA 02263		M
	050	ASAZE	DF	FO								AA 04000		EY
	060	ASAZE	HM	FO		354.1			R			AA 04000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
BFV			N351413.00			W0991222.20								
ASAZE			N351418.96			W0992341.31								
EHOMO			N353707.69			W0992337.52								
ROLLS			N354321.88			W0992814.51								
VOLSE			N353107.14			W0992338.52								
RUNWAYS														
RUNWAY			THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH		
RW17			N352617.55			W0992339.32			02013			52.4		

QUALITY
5
CHECKED

CITY AND STATE ELK CITY, OK	ELEVATION: 2013	TDZE: 2013	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: ELK CITY RGNL BUSINESS		RNAV	RNAV (GPS) RWY 17, AMDT 2	AMDT: 1
					DATED: 09/25/2008

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: <div>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"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	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.		
FEEDER		BFV VORTAC		EHOMO		1. WDMLL (40-020192)		353154.80N/0992339.71W		2430 (2C)		1000		AT570		4000		
						2. TERRAIN		352921.00N/0992206.00W		2078 (2100)				AS1500		3600		
INITIAL		ROLLS		EHOMO		3. AAO		354300.00N/0992839.00W		2228 (4E)		1000		AT772		4000		
						4. TERRAIN		354300.00N/0992839.00W		2028 (2000)				AS1500		3500		
INTERMEDIATE		EHOMO (IF/IAF)		VOLSE		5. WDMLL (40-020251)		353202.13N/0992411.63W		2468 (2C)		500				3000		
						6. TERRAIN		353054.00N/0992448.00W		2120 (2100)				AS1500		3600		
FINAL: LPV		VOLSE		RW17		7. TREE (KELKT002)		352622.93N/0992342.57W		2027 (1A)		34:1				2263/250		
FINAL: LNAV/VNAV		VOLSE		RW17								ASC				2263/250		
FINAL: LNAV		VOLSE		RW17		8. AAO		352939.77N/0992422.25W		2270 (2C)		250				2520		
2. HOLD-IN-LIEU-OF-PT		EHOMO		P-5		9. WDMLL (40-020274)		353247.39N/0992552.66W		2441 (2C)		1000		AT559		4000		
						10. TERRAIN		353220.00N/0992403.00W		2048 (2000)				AS1500		3500		
3. MISSED APPROACH	MAP:		DA / DA / RW17		ASAZE								ASC				4000	
	ELEV:		2075/2102/2420				11. TOWER (40-000112)		352026.15N/0992401.30W		2330 (4D)		1000				3400	
						12. TERRAIN		352000.00N/0992600.00W		2012 (2000)				AS1500		3500		
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.														
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	507	13. TOWER (40-000570)		352435.00N/0992431.00W		2156 (5D)		300		AC50 2520		
CATEGORY B		1.5 NM			450		667	14. TOWER (40-000087)		352500.00N/0992550.00W		2311 (4D)		300		AC50 2680		
CATEGORY C		1.7 NM			450		667	14. TOWER (40-000087)		352500.00N/0992550.00W		2311 (4D)		300		AC50 2680		
CATEGORY D		2.3 NM			550		727	15. AAO		352716.21N/0992809.34W		2430 (2C)		300				
CATEGORY E		4.5 NM			550													
5. MINIMUM SAFE ALTITUDES								PRIMARY NAVAID: RW17										
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL) M S A		
360-360		TWR (40-000741)		299/16.3		3080 (4D)		4100										
CITY AND STATE		ELEVATION: 2013		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION										
ELK CITY, OK		AIRPORT NAME: ELK CITY RGNL BUSINESS		RNAV		RNAV (GPS) RWY 17, AMDT 2		ASW										

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. KELK AWOS ON SERVICE-A. KCSM ASOS ON SERVICE-A. VGSI DATA: 3.00/52.4 TEMP HISTORY NOT AVAILABLE, STANDARD ISA DEVIATION -30 USED TO DETERMINE HIGH/LOW TEMP LIMITS. CRITICAL TEMPERATURES: DESCENT RATE: STANDARD TEMP 981 HIGH TEMP 1146. CRITICAL LOW :-18C (0F) CRITICAL HIGH :+54C (+130F) ACT :-18C APT ISA :+11.01C ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.32NM CAT B: 1.88NM CAT C: 2.96NM CAT D: 3.87NM NO ADDITIONAL AIRSPACE REQUIRED. RASS PRESSURE PATTERNS SAME KELK 2013, KCSM 1922 RA = 37.9. TAA NOT DEVELOPED PER ATC REQUEST. UNROUNDED ADJUSTMENT OF 37.9 FEET ROUNDED TO 40 FEET FOR BOTH DA AND MDA ADJUSTMENT FOR SIMPLIFICATION OF CHART NOTE																													
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING																															
MLC FSS ZFW ARTCC OKC APP CON						N W S		OTHER: AWOS-3												SOURCE:KELK / KCSM																			
						F A A														DISTANCE: 0 / 10.94																			
						A / C														HOURS REMOTE OPERATION: 0 / 24																			
SATISFACTORY ON:																				LOCATION: KELK										ADJUSTMENT: 0									
4. MONITOR STATUS		PRIMARY NAVAID:																																					
		MONITOR POINT:																																					
		HRS OPTN:		CAT 1																																			
				CAT 3																																			
5. APPROACH & RUNWAY LIGHTING				ALS																																			
				(S) SALS																																			
				MAL S																																			
				HIRL																																			
		X		MIRL 17 (PCL), 35 (PCL)																																			
		X		REIL 17 (PCL)																																			
				TDZ																																			
				C/LINE																																			
		X		OTHER (SPECIFY) ODALS 17 PAPI-2L 17, 35																																			
6. RUNWAY MARKINGS		BASIC																																					
		ALL WEATHER																																					
		INSTRUMENT NPI-G 17, 35																																					
7. RUNWAY VISUAL RANGE		APPROACH																																					
		MIDFIELD																																					
		ROLL OUT																																					
8. GLIDE PATH		GP ANGLE: 3.00								ELEV RWY THRESHOLD:2012.8																													
		DISTANCE FROM RWY:								ELEV GP ANTENNA:																													
										THRESHOLD CROSSING HEIGHT:52.4																													
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD														FT. FROM THRESHOLD																			
				X		ON CENTERLINE														FT. FROM CENTERLINE																			
10. WAIVERS: NONE																																							
PART D - PREPARED BY: THOMAS L KIRKPATRICK										DATE: 03/22/2016																													
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5422																													

