

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: RW35L CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 5000 DIRECT JESKE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 037.15 INBOUND. CHART FAS OBST: 1349 TREE 352204N/0973609W CHART: ASR. DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 0.90 NM TO RW35L* *LNAV ONLY. WAAS CHANNEL # 56202 REFERENCE PATH ID: W35A CHART CIRCLING ICON. LTP HAE: 358.3 M					
IRW VORTAC		CUBTU (TF) (FO) (RNP 2.00)		175.09 / 11.58				5000							
CUBTU (IF/IAF)		NUTRE (TF) (FB) (RNP 1.00)		355.94 / 3.50				4000							
NUTRE		BRIGE (TF) (FB) (RNP 1.00)		355.97 / 4.00				3000							
BRIGE (FAF)		ZOPRO/1.40 NM TO RW35L (TF) (FB) (RNP 0.30)		355.96 / 3.90											
ZOPRO/1.40 NM TO RW35L		RW35L (MAP) (TF) (FO) (RNP 0.30)		355.96 / 1.40											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S CUBTU, LT, 355.94 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: 355.96 FAF: BRIGE DIST FAF TO MAP: 5.30 THLD: 5.30 4. MIN. ALT: CUBTU 5000, NUTRE 4000, BRIGE 3000, ZOPRO/1.40 NM TO RW35L 1740* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3000 GS ALT AT: BRIGE 3000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 49.1 34:1 IS CLEAR 8. MSA FROM: RW35L 3800															
										MAG VAR: 4E			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**	1476	2400	200	1476	2400	200	1476	2400	200	1476	2400	200	1476	2400	200
LNAV/VNAV DA	1543	2400	267	1543	2400	267	1543	2400	267	1543	2400	267	1543	2400	267
LNAV MDA	1600	2400	324	1600	2400	324	1600	2600	324	1600	2600	324	1600	2600	324
CIRCLING	1740	1	444	1760	1	464	1960	1 3/4	664	2000	2 1/4	704	2240	3	944
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4, CAT E 1000-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON IRW VORTAC AIRWAY RADIALS 106 CW 263. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV AND LNAV/VNAV CAT E VISIBILITY TO RVR 4000. INCREASE (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 1296 TDZE: 1276				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
OKLAHOMA CITY, OK		AIRPORT NAME:				WILL ROGERS WORLD		RNAV (GPS) Y RWY 35L, AMDT 4B				AMDT: 4A			
												DATED 09/15/2016			

QUALITY
 18
 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 checked="" type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify) <div><input checked="" type="checkbox"/></div>		ZFW, ZKC, OKC APP CON, OKC ATCT, AMGR			
FLIGHT CHECKED BY					
NAME: JOHN KEARBY		Digitally signed by DONALD H LANIER Aug 31, 2017		FIFO FICO	DATE: 08/28/2017
DEVELOPED BY					
NAME: LIAM DONAHUE		Digitally signed by LIAM DONAHUE Jul 24, 2017		FIFO AJV-5431	DATE: 04/12/2017
APPROVED BY					
NAME: PATRICK J. MULQUEEN		Digitally signed by DONALD H LANIER MANAGER		FIFO AJV-5430	DATE:
CHANGES: Aug 31, 2017					
1. INCORPORATED CHANGE 4A. 2. ADDED 1 DEGREE TO ALL COURSES AND HEADINGS. 3. ADDED CHART NOTE: ** RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. 4. LTP COORDINATES IN FAS DATA CHANGED FROM: 352244.5010N/0973620.5070W TO: 352244.4925N/0973620.5280W. 5. CRC REMAINDER CHANGED FROM 28E8B7AE TO FA838AE9. 6. LPV DA AND LNAV/VNAV DA LOWERED BY 1 FT.					
REASONS:					
1. P-NOTAM 6/6061. 2. AIRPORT MAGNETIC VARIATION CHANGED FROM 5E TO 4E. 3. IAW CRITERIA MEMO DATED 5/30/17. 4, 5. NEW RUNWAY SURVEY. 6. TDZE LOWERED BY 0.4 FT. FROM NEW SURVEY.					



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
RW35L (MAP)	2000 MSL (CA)	355.96	2000
2000 MSL	JESKE (DF) (FO) (RNP 1.00)		5000

NOTES, (CONT.):

LNAV CAT A/B VISIBILITY TO RVR 5500 AND CAT C/D/E TO RVR 5000.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35R.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: ** RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

QUALITY
18
CHECKED

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1296	TDZE: 1276	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 35L, AMDT 4B	SUP:
	AIRPORT NAME:				AMDT: 4A
	WILL ROGERS WORLD				DATED: 09/15/2016

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:					

**RNAV 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	KOKC
RUNWAY	RW35L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	352244.4925N
LTP/FTP LONGITUDE	0973620.5280W
LTP/FTP ELLIPSOIDAL HEIGHT	+03583
FPAP LATITUDE	352421.4200N
FPAP LONGITUDE	0973620.6000W
THRESHOLD CROSSING HEIGHT (TCH)	00049.1
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)	35.0

CRC REMAINDER

FA838AE9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03851
FPAP ORTHOMETRIC HEIGHT	+03851

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CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1296 TDZE: 1276 AIRPORT NAME: WILL ROGERS WORLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 35L, AMDT 4B	SUP:
				AMDT: 4A
				DATED: 09/15/2016

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 DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL	ROC	ALT. ADJUSTMENTS		MIN. ALT.					
FEEDER		IRW VORTAC		CUBTU		1. TOWER (40-001846)		351128.20N/0973549.00W		2049 (5D)	1000	AT1951		5000					
						2. TERRAIN		351342.00N/0973748.00W		1362 (1400)		AS1500		2900					
INTERMEDIATE		CUBTU (IF/IAF)		NUTRE		1. TOWER (40-001846)		351128.00N/0973549.00W		2049 (5D)	500	AT1451		4000					
						2. TERRAIN		351342.00N/0973748.00W		1362 (1400)		AS1500		2900					
INTERMEDIATE:		NUTRE		BRIGE		3. TOWER (40-002484)		351305.00N/0973757.00W		1574 (2C)	500	AT926		3000					
STEPDOWN						2. TERRAIN		351342.00N/0973748.00W		1362 (1400)		AS1500		2900					
FINAL: LPV		BRIGE		RW35L							ASC			1476/200					
FINAL: LNAV/VNAV		BRIGE		RW35L		4. TREE		352204.00N/0973609.00W		1349 (2C)		AC20		1543/267					
FINAL: LNAV		BRIGE		ZOPRO/1.40 NM TO RW35L		5. AAO		351756.03N/0973651.89W		1459 (2C)	250	DG31		1740					
FINAL: LNAV STEPDOWN		ZOPRO		RW35L		4. TREE		352204.00N/0973609.00W		1349 (2C)	250			1600					
2. HOLD-IN-LIEU-OF-PT		CUBTU		P-6		1. TOWER (40-001846)		351128.00N/0973549.00W		2049 (2C)	1000	AT1951		5000					
						7. TERRAIN		350803.00N/0974330.00W		1392 (1400)		AS1500		2900					
3. MISSED APPROACH	MAP:		DA / DA / RW35L		JESKE							ASC	5000						
	ELEV:		1298/1399/1500				8. TOWER (40-001025)		352326.80N/0974524.69W		1710 (1A)	1000	2800						
						9. TERRAIN		352309.00N/0974109.00W		1395 (1400)		AS1500		2900					
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	ACTUAL	350		444		10. TOWER (40-020361)		352353.42N/0973600.87W		1436 (1A)	300	1740			
CATEGORY B		1.5 NM				450		464		10. TOWER (40-020361)		352353.42N/0973600.87W		1436 (1A)	300	HAA		1760	
CATEGORY C		1.7 NM				450		664		11. TOWER (40-001570)		352445.00N/0974027.00W		1608 (5D)	300	AC50		1960	
CATEGORY D		2.3 NM				550		704		12. TOWER (40-002667)		352218.00N/0974027.00W		1631 (5D)	300	AC50		2000	
CATEGORY E		4.5 NM				550		944		13. TOWER (40-000009)		352314.00N/0972957.00W		1881 (1D)	300	AC50		2240	
5. MINIMUM SAFE ALTITUDES		PRIMARY NAVAID: RW35L																	
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
360-360		TWR (40-000866)		024/11.7		2749 (4D)		3800											
CITY AND STATE		ELEVATION: 1296				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION					
OKLAHOMA CITY, OK		AIRPORT NAME: WILL ROGERS WORLD				RNAV				RNAV (GPS) Y RWY 35L, AMDT 4B				ASW					

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:																
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE					3. ALTIMETER SETTING					PRECIPITOUS TERRAIN EVALUATION COMPLETED.											
OKC TOWER ZFW ARTCC OKC APP CON					X	N W S		OTHER: ASOS			SOURCE:KOKC					ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.										
											DISTANCE:					CAT A: 1.31NM										
											HOURS REMOTE OPERATION:					CAT B: 1.85NM										
SATISFACTORY ON:						F A A		A / C								CAT C: 2.91NM										
																CAT D: 3.81NM										
																CAT E: 4.76NM										
X	V H F	X	U H F		H F	LOCATION: KOKC/KOKC					ADJUSTMENT: 0					NO ADDITIONAL AIRSPACE REQUIRED.										
4. MONITOR STATUS		PRIMARY NAVAID:								BLOCK 2: LOCATION: KOKC WEATHER SERVICE: ASOS SERVICE A: YES HRS OPTN: 24																
		MONITOR POINT:																								
		HRS OPTN:	CAT 1		CAT 3																					
5. APPROACH & RUNWAY LIGHTING		X	ALSF-2 35R								BACKUP ALTIMETER SOURCE NOT ESTABLISHED DUE TO REDUNDANT WEATHER SOURCE (NWS) AT KOKC.															
			(S) SALS																							
		X	MALSR 17L, 17R, 35L																							
		X	HIRL 17L, 17R, 35L, 35R																							
		X	MIRL 13, 31																							
		X	REIL 13, 31, 35L																							
		X	TDZ 35R																							
		X	C/L 17L, 17R, 35L, 35R																							
6. RUNWAY MARKINGS			OTHER (SPECIFY) PAPI-4L 13, 17R, 31								DESIGN REMARKS: VEGETATION: 100 FT VEGETATION PER CEN FPT. CATEGORY A-E REQUESTED BY CENTRAL FPT AND AT DUE TO MILITARY AIRCRAFT TRAINING.															
7. RUNWAY VISUAL RANGE			BASIC BSC-G 18, 36								TEMPERATURE DATA: AVERAGE COLD TEMPERATURE BASED ON 5-YEAR HISTORY (2008-2012). CRITICAL TEMPERATURES CRITICAL LOW: -12C (11F) CRITICAL HIGH: +54C (130F) ACT: -12C APT ISA: +9.50C (49.10F) DELTA ISA LOW: -24.44C CRITICAL LOW TEMP BASED ON ACT DESCENT RATE: STANDARD TEMP 1444 HIGH TEMP 1685 TEMPERATURE LIMITS, DELTA ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR															
			ALL WEATHER PIR-G 17L, 35R; -F 17R, 35L																							
			INSTRUMENT NPI-G 13, 31																							
8. GLIDE PATH			APPROACH 17L, 17R, 35L, 35R								SLOPE DATA: LPV: FINAL OCS SLOPE: 34:1 LNAV/VNAV: FINAL OCS SLOPE: 22.85:1															
			MIDFIELD 17L, 35R																							
			ROLL OUT 17L, 17R, 35L, 35R																							
9. FINAL APPROACH COURSE AIMING			GP ANGLE: 3.00								ELEV RWY THRESHOLD:1263.3					VGSI: NONE										
			DISTANCE FROM RWY:								ELEV GP ANTENNA:															
											THRESHOLD CROSSING HEIGHT:49.1															
10. WAIVERS: NONE			X	RUNWAY THRESHOLD								FT. FROM THRESHOLD														
			X	ON CENTERLINE								FT. FROM CENTERLINE														
PART D - PREPARED BY: LIAM DONAHUE										DATE: 04/12/2017																
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5431																