

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: RW35 CLIMB TO 4600 DIRECT DUKRE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 170.29 INBOUND. CHART FAS OBST: 2172 POLE 371311N/0991910W DISTANCE TO THLD FROM 361 HAT: 1.00 NM. WAAS CHANNEL # 86839 REFERENCE PATH ID: W35A CHART CIRCLING ICON. *LNAV ONLY. CHART PRATT AWOS-3 LTP HAE: 604.6 M					
IDICU (IAF)		GECKS (NOPT) (FB)		050.24 / 7.00				4600							
JANAX (IAF)		GECKS (NOPT) (FB)		290.39 / 7.00				4600							
GECKS (IF/IAF)		BOGVE (FB)		350.31 / 7.84				3600							
BOGVE (FAF)		HAGMI/2.40 NM TO RW35 (FB)		350.30 / 2.27											
HAGMI/2.40 NM TO RW35		RW35 (MAP) (FO)		350.30 / 2.40											
RW35 (MAP)		2443 MSL		350.30				4600							
2443 MSL		DUKRE (FO)													
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S GECKS, LT, 350.31 INBOUND, 4600 FT. IN LIEU OF PT (IAF) 3. FAC: 350.30 FAF: BOGVE DIST FAF TO MAP: 4.67 THLD: 4.67 4. MIN. ALT: GECKS 4600, BOGVE 3600, HAGMI/2.40 NM TO RW35 2860* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3600 GS ALT AT: BOGVE 3600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: _____										MAG VAR: 5E		EPOCH YEAR: 2020			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		<input checked="" type="checkbox"/>					
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	2443	1 1/4	361	2443	1 1/4	361	2443	1 1/4	361		NA				
LNAV/VNAV DA	2461	1 1/4	379	2461	1 1/4	379	2461	1 1/4	379		NA				
LNAV MDA	2540	1	458	2540	1	458	2540	1 3/8	458		NA				
CIRCLING	2620	1	534	2620	1	534	2940	2 1/2	854		NA				
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: USE PRATT ALTIMETER SETTING; WHEN NOT RECEIVED USE DODGE CITY ALTIMETER SETTING AND (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 2086 TDZE: 2082		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
COLDWATER, KS		AIRPORT NAME:		COMANCHE COUNTY		RNAV (GPS) RWY 35, ORIG				AMDT: NONE					
										DATED:					



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><input checked="" type="checkbox"/></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"/> ICT APP CON, AIRPORT MANAGER, ZKC</div>			
FLIGHT CHECKED BY					
NAME: <div>JOEL LAPLANTE</div>				FIFO FICO	
				DATE: 05/10/2016	
DEVELOPED BY					
NAME: <div>THOMAS L KIRKPATRICK (LUCAS MCCLOUD)</div>				FIFO AJV-5423	
				DATE: 04/11/2016	
APPROVED BY					
NAME: <div>GEORGE GONZALEZ</div>				FIFO AJV-5420	
				DATE:	
CHANGES:					
1. ORIGINAL					
REASONS:					
2. NATIONAL INITIATIVE.					

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.

NOTES, (CONT.):

INCREASE LPV DA TO 2506 AND LNAV/VNAV DA TO 2524 FEET AND ALL MDA 80 FEET; INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, LNAV CAT C VISIBILITY 1/8 MILE, AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	290/30 CW 050/30 (NOPT)	GECKS (IF/IAF) (FB)	4600
2.	050/30 CW 170/30	IDICU (IAF) (FB)	4600
3.	170/30 CW 290/30	JANAX (IAF) (FB)	4600

QUALITY
25
CHECKED

CITY AND STATE COLDWATER, KS	ELEVATION: 2086 TDZE: 2082 AIRPORT NAME: COMANCHE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG	SUP:
				AMDT: NONE
				DATED:

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:					

**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	3K8
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	371300.1185N
LTP/FTP LONGITUDE	0991953.0455W
LTP/FTP ELLIPSOIDAL HEIGHT	+06046
FPAP LATITUDE	371429.0290N
FPAP LONGITUDE	0992002.1890W
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	1384
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 47E992C2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+06322
FPAP ORTHOMETRIC HEIGHT	+06322

QUALITY
25
CHECKED

CITY AND STATE COLDWATER, KS	ELEVATION: 2086 AIRPORT NAME: COMANCHE COUNTY	TDZE: 2082	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, 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> <div></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 RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.
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ARINC SUMMARY - 3K8

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
GECKS	010	GECKS	HF	FO		350.3			L			AA 04600		EE A
IDICU	010	IDICU	IF	FB										E A
IDICU	020	GECKS	TF	FB	1.0	050.2						AA 04600		EE B
JANAX	010	JANAX	IF	FB										E A
JANAX	020	GECKS	TF	FB	1.0	290.4						AA 04600		EE B
	010	GECKS	IF	FB								AA 04600		E I
	020	BOGVE	TF	FB	1.0	350.3						AA 03600		E F
	021	HAGMI	TF	FB	0.3	350.3		3.00				AA 02860 GS 02879		E S
	030	RW35	TF	FO	0.3	350.3		3.00				AT 02114		GY M
	040		CA	FB		350.3						AA 02443		M
	050	DUKRE	DF	FO								AA 04600		EY
	060	DUKRE	HM	FO		170.3			R			AA 04600		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BOGVE	N370820.79	W0991924.36
DUKRE	N372613.32	W0992114.83
GECKS	N370031.13	W0991836.28
HAGMI	N371036.42	W0991938.28
IDICU	N365631.57	W0992547.07
JANAX	N365731.08	W0991042.55

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW35	N371300.12	W0991953.05	02074	40



CITY AND STATE COLDWATER, KS	ELEVATION: 2086 TDZE: 2082 AIRPORT NAME: COMANCHE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG	SUP: <hr/> AMDT: NONE <hr/> DATED:

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.					
STRAIGHT-IN AREA		290/30 CW 050/30		GECKS		1. TWR (40-001555)		364147.89N/0994023.82W		2692 (1A)		1000		AT908		4600					
						2. TERRAIN		364154.00N/0994257.00W		2327 (2300)				AS1500		3800					
LEFT BASE AREA		050/30 CW 170/30		IDICU		3. AAO		372051.00N/0995139.00W		2756 (4E)		1000		AT844		4600					
						4. TERRAIN		372051.00N/0995139.00W		2556 (2600)				AS1500		4100					
RIGHT BASE AREA		170/30 CW 290/30		JANAX		5. TWR (20-001773)		371715.00N/0991304.00W		2536 (5E)		1000		AT1064		4600					
						6. TERRAIN		372739.00N/0992415.00W		2313 (2300)				AS1500		3800					
INITIAL		IDICU		GECKS		7. AAO		370121.00N/0991939.00W		2339 (4E)		1000		AT1261		4600					
						8. TERRAIN		370121.00N/0991939.00W		2139 (2100)				AS1500		3600					
INITIAL		JANAX		GECKS		9. AAO		365715.00N/0990939.00W		2336 (4E)		1000		AT1264		4600					
						10. TERRAIN		365715.00N/0990939.00W		2136 (2100)				AS1500		3600					
INTERMEDIATE		GECKS (IF/IAF)		BOGVE		7. AAO		370121.00N/0991939.00W		2339 (4D)		500				2900					
						8. TERRAIN		370121.00N/0991939.00W		2139 (2100)				AS1500		3600					
FINAL: LPV		BOGVE		RW35		11. RD (N) (K3K8T0177)		371254.14N/0991948.09W		2092 (1A)		34:1		RA111		2443/361					
FINAL: LNAV/VNAV		BOGVE		RW35		12. POLE (20-025239)		371311.15N/0991910.23W		2172 (2C)		150		RA111 AC20		2461/379					
2. HOLD-IN-LIEU-OF-PT		GECKS		P-5		7. AAO		370121.00N/0991939.00W		2339 (4E)		1000		AT1261		4600					
						8. TERRAIN		370121.00N/0991939.00W		2139 (2100)				AS1500		3600					
3. MISSED APPROACH	MAP:		DA / DA / RW35		DUKRE								ASC				4600				
	ELEV:		2137/2192/2329				14. AAO		372521.00N/0992339.00W		2500 (4E)		1000				3500				
						15. TERRAIN		372521.00N/0992339.00W		2300 (2300)				AS1500		3800					
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.																	
CATEGORY A		1.3 NM		REQUIRED	ACTUAL	350		534		16. TREE		371346.92N/0991842.58W		2194 (2C)		300		RA111		2620	
CATEGORY B		1.5 NM				450		534		16. TREE		371346.92N/0991842.58W		2194 (2C)		300		RA111		2620	
CATEGORY C		1.7 NM				450		854		17. TWR (20-000498)		371614.58N/0991834.40W		2466 (4D)		300		RA111 AC50		2940	
CATEGORY D		2.3 NM				550															
CATEGORY E		4.5 NM				550															
5. MINIMUM SAFE ALTITUDES																					
PRIMARY NAVAID:																					
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A			
CITY AND STATE				ELEVATION: 2086				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION					
COLDWATER, KS				AIRPORT NAME: COMANCHE COUNTY				RNAV				RNAV (GPS) RWY 35, ORIG				ACE					

QUALITY

25

CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: VDP NOT ESTABLISHED - REMOTE ALTIMETER. PRECIPITOUS TERRAIN EVALUATION COMPLETED. VGSI DATA: 3.00/40. KPTT IS ON SERVICE-A. KDDC IS ON SERVICE-A. LPV SLOPE: 34:1. LNAV/VNAV SLOPE: 23.4:1. VEGETATION HEIGHT: 35 FEET PER FPT. RASS PRESSURE PATTERNS SAME K3K8 2086.1, KDDC 2595.5 RA=173.2. ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.33NM CAT B: 1.88NM CAT C: 2.96NM SEE ATTACHED AIRSPACE LETTER. RASS PRESSURE PATTERNS SAME K3K8 2086.1, KPTT 1952.6 RA = 110.9. ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS: 34:1 2090 RD (N) (K3K8T0176) 371254.150N/0991949.520W (3.30) GQS FIXED-BY-FUNCTION 2076 LT SUPPORT STRUCTURE (K3K8T0007) 371259.780N/0991952.090W (0.39) THE AIRPORT DOES NOT HAVE THE FUNDS TO IMPROVE THE INFRASTRUCTURE FOR HIGHER CATEGORY AIRCRAFT.																			
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING																					
ICT APP CON ICT FSS ZKC ARTCC						N W S		OTHER: AWOS-3PT												SOURCE:KPTT / KDDC									
						F A A														DISTANCE: 40.09 / 44.31									
						A / C														HOURS REMOTE OPERATION: 24 / 24									
SATISFACTORY ON:																													
X		V H F		X		U H F														H F		LOCATION: KPTT				ADJUSTMENT: 111 / 174			
4. MONITOR STATUS		PRIMARY NAVAID:																											
		MONITOR POINT:																											
		HRS OPTN:		CAT 1																									
						CAT 3																							
5. APPROACH & RUNWAY LIGHTING				ALS																									
				(S) SALS																									
				MALS																									
				HIRL																									
		X		MIRL 17 (PCL), 35 (PCL)																									
		X		REIL 17 (PCL), 35 (PCL)																									
				TDZ																									
				C/LINE																									
		X		OTHER (SPECIFY) PAPI-4L 17 (PCL), 35 (PCL)																									
6. RUNWAY MARKINGS		BASIC NPI-G 17, 35																											
		ALL WEATHER																											
		INSTRUMENT																											
7. RUNWAY VISUAL RANGE		APPROACH																											
		MIDFIELD																											
		ROLL OUT																											
8. GLIDE PATH		GP ANGLE: 3.00								ELEV RWY THRESHOLD:2074.2																			
		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: THOMAS L KIRKPATRICK (LUCAS MCCLOUD)										DATE: 04/11/2016																			
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5423																			



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:	
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING				
SATISFACTORY ON:					N W S	OTHER:		SOURCE:			
					F A A			DISTANCE:			
					A / C			HOURS REMOTE OPERATION:			
	V H F		U H F		H F	LOCATION:			ADJUSTMENT:		
4. MONITOR STATUS		PRIMARY NAVAID:									
		MONITOR POINT:									
		HRS	CAT 1								
		OPTN:	CAT 3								
5. APPROACH & RUNWAY LIGHTING			ALS								
			(S) SALS								
			MALS								
			HIRL								
			MIRL								
			REIL								
			TDZ								
			C/LINE								
6. RUNWAY MARKINGS		BASIC									
		ALL WEATHER									
		INSTRUMENT									
7. RUNWAY VISUAL RANGE		APPROACH									
		MIDFIELD									
		ROLL OUT									
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:					
		DISTANCE FROM RWY:				ELEV GP ANTENNA:					
						THRESHOLD CROSSING HEIGHT:					
9. FINAL APPROACH COURSE AIMING				RUNWAY THRESHOLD					FT. FROM THRESHOLD		
				ON CENTERLINE					FT. FROM CENTERLINE		
10. WAIVERS:											
PART D - PREPARED BY:										DATE:	
TITLE:										OFFICE:	