

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 6200 DIRECT KNOWL AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 167.02 INBOUND. CHART FAS OBST: 3818 CTRL TWR 472848N/1112135W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.14 NM TO RW35* *LNAV ONLY. WAAS CHANNEL # 82240 REFERENCE PATH ID: W35A CHART CIRCLING ICON. LTP HAE: 1103.8 M					
GTF VORTAC		NICKH (TF) (FO) (RNP 2.00)		159.28 / 11.93				8000							
HOXEK (IAF)		NICKH (NOPT) (TF) (FB) (RNP 1.00)		038.04 / 13.63				8000							
NICKH (IF/IAF)		CEVRO (TF) (FB) (RNP 1.00)		347.02 / 7.01				5800							
CEVRO (FAF)		TEFFS/2.30 NM TO RW35 (TF) (FB) (RNP 0.30)		347.02 / 4.24											
TEFFS/2.30 NM TO RW35		RW35 (MAP) (TF) (FO) (RNP 0.30)		347.02 / 2.30											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S NICKH, RT, 347.02 INBOUND, 8000 FT. IN LIEU OF PT (IAF) 3. FAC: 347.02 FAF: CEVRO DIST FAF TO MAP: 6.54 THLD: 6.54 4. MIN. ALT: NICKH 8000, CEVRO 5800, TEFFS/2.30 NM TO RW35 4440* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 5800 GS ALT AT: CEVRO 5800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 47.8 34:1 IS NOT CLEAR 8. MSA FROM: RW35 8500															
										MAG VAR: 13E			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	3918	3/4	250	3918	3/4	250	3918	3/4	250	3918	3/4	250			
LNAV/VNAV DA	4086	1 3/8	418	4086	1 3/8	418	4086	1 3/8	418	4086	1 3/8	418			
LNAV MDA	4080	3/4	412	4080	1	412	4080	1 1/8	412	4080	1 1/8	412			
CIRCLING	4120	1	440	4140	1	460	4320	1 3/4	640	4420	2 1/4	740			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C (-14F) OR ABOVE 52C (126F). @ CAT D 800-2 1/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GTF VORTAC AIRWAY RADIALS 091 CW 238. CHART NOTE: RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.															
CITY AND STATE		ELEVATION: 3680 TDZE: 3668				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG				SUP:			
GREAT FALLS, MT		AIRPORT NAME: GREAT FALLS INTL										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<div><input checked="" type="checkbox"/></div></div><div>AAT<div><input type="checkbox"/></div></div><div>ALPA<div><input checked="" type="checkbox"/></div></div><div>APA<div><input checked="" type="checkbox"/></div></div><div>AOPA<div><input checked="" type="checkbox"/></div></div><div>NBAA<div><input checked="" type="checkbox"/></div></div><div>OTHER (specify)<div><input checked="" type="checkbox"/> ZLC, GTF ATCT, GTF APP CON, AFLD MGR</div></div></div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME: <div><div>Digitally signed by DEANNA M FIELDS</div><div>DEANNA M. FIELDS</div></div>				FIFO AJV-5432	DATE: 03/23/2017
May 14, 2017APPROVED BY					
NAME: <div><div>PATRICK J. MULQUEEN</div><div>MANAGER</div></div>				FIFO AJV-5430	DATE:
CHANGES: ORIGINAL PROCEDURE.					
REASONS:					

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
RW35 (MAP)	3918 MSL (CA)	347.02	
3918 MSL	KNOWL (DF) (FO) (RNP 1.00)		6200

QUALITY
25
CHECKED

CITY AND STATE
GREAT FALLS, MT

ELEVATION: 3680 TDZE: 3668
AIRPORT NAME:
GREAT FALLS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, 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:					

**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	KGTF
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	472843.9655N
LTP/FTP LONGITUDE	1112222.2175W
LTP/FTP ELLIPSOIDAL HEIGHT	+11038
FPAP LATITUDE	473013.0170N
FPAP LONGITUDE	1112222.1740W
THRESHOLD CROSSING HEIGHT (TCH)	00047.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0912
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	F670F3BA
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+11180
FPAP ORTHOMETRIC HEIGHT	+11180

QUALITY
25
CHECKED

CITY AND STATE GREAT FALLS, MT	ELEVATION: 3680 AIRPORT NAME: GREAT FALLS INTL	TDZE: 3668 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:					

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		GTF VORTAC		NICKH		1. AAO		471606.00N/1111951.00W		4439 (3E)		2000		AT1561		8000			
						2. TERRAIN		471606.00N/1111951.00W		4239 (4200)				AS1500		5700			
INITIAL		HOXEK		NICKH		3. AAO		470718.00N/1113909.00W		6641 (3E)		1000		AT139 PR220		8000			
						4. TERRAIN		470718.00N/1113909.00W		6441 (6400)				AS1500		7900			
INTERMEDIATE		NICKH (IF/IAF)		CEVRO		5. AAO		471800.00N/1111927.00W		4475 (3E)		500		AC76		5100			
						6. TERRAIN		471800.00N/1111927.00W		4275 (4300)				AS1500		5800			
FINAL: LPV		CEVRO		RW35		7. SIGN (KGTFT000504)		472840.05N/1112219.67W		3677 (1A)		34:1				3918/250			
FINAL: LNAV/VNAV		CEVRO		RW35		8. RADAR		472734.77N/1112307.13W		3802 (1A)		23.85:1				4086/418			
						(KGTFT000434)													
FINAL: LNAV		CEVRO		TEFFS/2.30 NM TO		9. AAO		472154.93N/1112140.50W		4140 (2C)		250		XL28 DG22		4440			
				RW35															
FINAL: LNAV STEPDOWN		TEFFS/2.30 NM TO		RW35		10. CTRL TWR		472848.25N/1112134.69W		3818 (1A)		250				4080			
		RW35				(30-000307)													
2. HOLD-IN-LIEU-OF-PT		NICKH		P-9		11. AAO		470715.00N/1111254.00W		6670 (3E)		1000		PR210		7900			
						12. TERRAIN		470715.00N/1111254.00W		6470 (6500)				AS1500		8000			
3. MISSED APPROACH	MAP:		DA / DA / RW35		KNOWL						ASC				6200				
	ELEV:		3731/3925/3980				13. TOWER (30-000327)		473624.31N/1112133.68W		4621 (4D)		1000		5700				
						14. TERRAIN		473651.00N/1112106.00W		3885 (3900)				AS1500		5400			
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	440	10. TWR (30-000307)		472848.25N/1112134.69W		3818 (1A)		300		4120			
CATEGORY B		1.5 NM			450		460	10. TWR (30-000307)		472848.25N/1112134.69W		3818 (1A)		300		HAA		4140	
CATEGORY C		1.7 NM			450		640	15. WMILL (30-000620)		473021.99N/1112621.03W		4017 (1A)		300				4320	
CATEGORY D		2.3 NM			550		740	16. TOWER (30-000084)		473207.50N/1111705.50W		4117 (3C)		300				4420	
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES								PRIMARY NAVAID: RW35											
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)			
360-360		AAO		140/26.0		7415 (3E)		8500											
CITY AND STATE		ELEVATION: 3680		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION											
GREAT FALLS, MT		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 35, ORIG		ANM											
		GREAT FALLS INTL																	

QUALITY
25

CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. "VISUAL PORTION OF FINAL" PENETRATIONS: LPV, LNAV/VNAV, LNAV 34:1 3677 SIGN (KGTFT000504) 472840.05N/1112219.67W (3.31) CRITICAL TEMPERATURES: CRITICAL LOW :-26C (-14F) CRITICAL HIGH :+52C (+126F) ACT :-31C APT ISA :+7.71C CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2012-2016). CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA. DESCENT RATE (FPM): STANDARD TEMP 1005 HIGH TEMP 1173. ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.36NM CAT B: 1.94NM CAT C: 3.07NM CAT D: 4.02NM SEE ATTACHED AIRSPACE LETTER. PER FPT: RWY 17/35 PARALLEL TAXIWAY. KGTf ASOS ON WMSCR. NO SUITABLE BACKUP ALTIMETER AVAILABLE. LPV: SURFACE 34:1. LNAV/VNAV: SURFACE 23.85:1 VGSI DATA: 3.00/TCH 47.8 PER ATC: VEGETATION 100 FT USED. OBSTACLE #1, 3, 5, AND #11 HORIZONTAL ACCURACY 82'.																			
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE															3. ALTIMETER SETTING									
GTF TOWER GTF APP CON ZLC ARTCC							N W S		OTHER: ASOS											SOURCE:KGTf									
							F A A													DISTANCE:									
							A / C													HOURS REMOTE OPERATION:									
SATISFACTORY ON:																				LOCATION: KGTf					ADJUSTMENT: 0				
4. MONITOR STATUS		PRIMARY NAVAID:																											
		MONITOR POINT:																											
		HRS OPTN:		CAT 1																									
				CAT 3																									
5. APPROACH & RUNWAY LIGHTING		X		ALSF-2 03																									
				(S) SALS																									
				MALS																									
		X		HIRL 03, 17, 21, 35																									
				MIRL																									
		X		REIL 21																									
		X		TDZ 03																									
		X		C/L 03, 21																									
		X		OTHER (SPECIFY) PAPI-4R 21 PAPI-4L 03, 17, 35																									
6. RUNWAY MARKINGS		BASIC																											
		ALL WEATHER				PIR-G 03, 21																							
		INSTRUMENT				NPI-G 17, 35																							
7. RUNWAY VISUAL RANGE		APPROACH				03, 21																							
		MIDFIELD				03, 21																							
		ROLL OUT				03, 21																							
8. GLIDE PATH		GP ANGLE: 3.00						ELEV RWY THRESHOLD:3667.9																					
		DISTANCE FROM RWY:						ELEV GP ANTENNA:																					
								THRESHOLD CROSSING HEIGHT:47.8																					
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD				FT. FROM THRESHOLD																			
				X		ON CENTERLINE				FT. FROM CENTERLINE																			
10. WAIVERS: NONE																													
PART D - PREPARED BY: DEANNA M. FIELDS										DATE: 03/23/2017																			
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5432																			

