

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		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		ILS: DA LOC: I-SMR 1.93 DME									
GTF VORTAC		FRYMN/I-SMR 16.93 DME		209.00 / 13.36		8300		CLIMB TO 5000 THEN CLIMBING RIGHT TURN TO 8300 DIRECT GTF VORTAC THEN ON GTF VORTAC R-209 TO FRYMN/I-SMR 16.93 DME AND HOLD.									
HOXEK/GTF 22.27 DME (IAF)		FRYMN/I-SMR 16.93 DME (NOPT)		322.00 / 8.54 & 032.00 / 4.47 (I-SMR)		8300											
FRYMN/I-SMR 16.93 DME (IF/IAF)		DCEEE/I-SMR 9.04 DME		032.00 / 7.89 (I-SMR)		6000											
										ADDITIONAL FLIGHT DATA: FAS OBST: 3829 TREE 472635N/1112546W CHART VDP AT 3.15 DME* DISTANCE VDP TO THLD 1.22 NM. *LOC ONLY. CHART CIRCLING ICON. CHART PLANVIEW NOTE: DME REQUIRED.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD SW FRYMN, LT, 032.00 INBOUND, 8300 FT. IN LIEU OF PT (IAF)																	
3. FAC: 032.00 FAF: DCEEE/I-SMR 9.04 DME DIST FAF TO MAP: _____ THLD: 7.12																	
4. MIN. ALT: FRYMN 8300, DCEEE 6000																	
5. DIST TO THLD FROM OM: _____ MM: - IM: 860 150 HAT: 1840 100 HAT: 885 GS ANT: 1099																	
6. MIN GS INCPT: 6000 GS ALT AT: DCEEE 6000 OM: - MM: - IM: 3780																	
7. GS ANGLE: 3.00 TCH: 53.6																	
8. MSA FROM: GTF VORTAC 050-250 8600, 250-050 6100																	
MAG VAR: 13E EPOCH YEAR: 2010																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		ILS: STANDARD #		LOC: 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	
S-ILS 03		3880	1800	200	3880	1800	200	3880	1800	200	3880	1800	200				
S-LOC 03		4140	2400	460	4140	2400	460	4140	4500	460	4140	4500	460				
CIRCLING		4140	1	460	4140	1	460	4320	1 3/4	640	4420	2 1/4	740				
NOTES: SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 3: CAT A, B, C, D, RA 140, RVR 1400, HAT 150, DA 3830 MSL. CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 3: CAT A, B, C, D, RA 96, RVR 1200, HAT 100, DA 3780 MSL. (CONTINUED ON PAGE 2)																	
CITY AND STATE GREAT FALLS, MT		ELEVATION: 3680 TDZE: 3680 AIRPORT NAME: GREAT FALLS INTL		FACILITY IDENTIFIER: I-SMR		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 3, AMDT 5C; ILS RWY 3 (SA CAT I), ILS RWY 3 (CAT II), ILS RWY 3 (CAT III)						SUP: ILS OR LOC/DME RWY 3 AMDT: 5B DATED 07/24/2014					



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"/> ZLC, GTF APCH CONTROL, GTF ATCT, A/P MGR.</div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
<div><i>Digitally signed by</i> DEANNA M. FIELDS</div>				AJV-5432	04/03/2017
May 14, 2017				APPROVED BY	
NAME:				FIFO	DATE:
PATRICK MULQUEEN MANAGER				AJV-5432	
CHANGES:					
<div>1. DELETED ALTERNATE MISSED APPROACH INSTRUCTIONS:, OR AS DIRECTED BY ATC. CLIMB TO 5600 THEN CLIMBING RIGHT TURN TO 6000 DIRECT ITU NDB AND HOLD NE, RT, 203.00 INBOUND. (ADF REQUIRED).</div> <div>2. DELETED CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE ITU NDB, RT, 203.00 INBOUND.</div> <div>3. DELETED CHART IN PLANVIEW: ITU NDB.</div> <div>4. DELETED CHART: HOWND LOM SUBDUED.</div> <div>5. DELETED CHART (SPADZ) AT INTERSECTION OF HOXEK DR LEG AND INTERMEDIATE COURSE.</div> <div>6. MISSED APPROACH LOC CHANGED FROM RW03 OR AT I-SMR 1.93 TO I-SMR 1.93.</div> <div>7. NAME CHANGED FROM ILS OR LOC/DME RWY 3 TO ILS OR LOC RWY 3.</div> <div>8. ADDED CHART CIRLING ICON.</div> <div>9. CIRCLING CAT C MDA/HAT CHANGED FROM 4140/460 TO 4320/640. VIS CHANGED FROM 1 1/2 TO 1 3/4.</div> <div>10. CIRCLING CAT D MDA/HAT CHANGED FROM 4240/560 TO 4420/740. VIS CHANGED FROM 2 TO 2 1/4.</div> <div>11. CAT III RVR 700 DELETED.</div> <div>12. ADDED CHART NOTE: DME REQUIRED.</div>					
REASONS:					
<div>1-4. PER IFP CHECKLIST AND DECOMMISSION OF ITU ND.</div> <div>5. COMPUTER NAVIGATION FIXE NO LONGER REQUIRED.</div> <div>6. CRITERIA.</div> <div>7. NAMING CONVENTION.</div> <div>8-10. NEW CIRCLING RADII.</div> <div>11. CAT III LOWEST RVR PUBLISHED.</div> <div>12. NAME CHANGED FROM ILS OR LOC/DME RWY 3 TO ILS OR LOC RWY 3. DME REQUIRED.</div>					



ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 3: CAT III CAT A, B, C, D, RVR 600.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.
CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: DME REQUIRED.
CHART PROFILE NOTE: USE I-SMR DME WHEN ON THE LOCALIZER COURSE.



CITY AND STATE GREAT FALLS, MT	ELEVATION: 3680 TDZE: 3680 AIRPORT NAME: GREAT FALLS INTL	FACILITY IDENTIFIER: I-SMR	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 3, AMDT 5C; ILS RWY 3 (SA CAT I), ILS RWY 3 (CAT II), ILS RWY 3 (CAT III)	SUP: ILS OR LOC/DME RWY 3
				AMDT: 5B
				DATED: 07/24/2014

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:					

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		FRYMN/I-SMR		1. AAO		472242.00N/1112303.00W		4111 (4E)		2000		AT2189		8300	
				16.93 DME		2. TERRAIN		472242.00N/1112303.00W		3911 (3900)				AS1500		5400	
INITIAL		HOXEK/GTF 22.27		FRYMN/I-SMR		3. AAO		470545.00N/1114630.00W		6989 (4E)		1000				8000	
		DME		16.93 DME		4. TERRAIN		470545.00N/1114630.00W		6789 (6800)				AS1500		8300	
INTERMEDIATE		FRYMN/I-SMR 16.93		DCEEE/I-SMR 9.04		5. AAO		471818.00N/1113215.00W		3934 (4E)		500		AC98 AT1468		6000	
		DME (IF/IAF)		DME		6. TERRAIN		471818.00N/1113215.00W		3734 (3700)				AS1500		5200	
FINAL: ILS		DCEEE/I-SMR 9.04		RW03								ASC				3880/200	
		DME															
FINAL: LOC		DCEEE/I-SMR 9.04		I-SMR 1.93 DME		7. TREE		472634.59N/1112546.27W		3829 (2C)		250		XL56		4140	
		DME															
FINAL: ILS CAT II		DCEEE/I-SMR 9.04		RW03								ASC				3780/100	
		DME															
FINAL: ILS SA CAT I		DCEEE/I-SMR 9.04		RW03								ASC				3830/150	
		DME															
2. HOLD-IN-LIEU-OF-PT		FRYMN		P-10		8. AAO		470624.00N/1114706.00W		6739 (4E)		1000		AT383 PR178		8300	
						9. TERRAIN		470624.00N/1114706.00W		6539 (6500)				AS1500		8000	
3. MISSED APPROACH	MAP:		DA / I-SMR 1.93		FRYMN/I-SMR						ASC				8300		
			DME		16.93 DME		10. AAO		472124.00N/1112139.00W		4200 (4E)		1000		5200		
	ELEV:		3713/3834				11. TERRAIN		472124.00N/1112139.00W		4000 (4000)				AS1500		
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.													
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	460	12. CTL TWR(30-000307)	472848.25N/1112134.69W	3818 (1A)	300	SI	4140				
CATEGORY B		1.5 NM			450		460	12. CTL TWR(30-000307)	472848.25N/1112134.69W	3818 (1A)	300	SI	4140				
CATEGORY C		1.7 NM			450		640	13. WMILL (30-000620)	473021.99N/1112621.03W	4017 (1A)	300		4320				
CATEGORY D		2.3 NM			550		740	14. TOWER (30-000084)	473207.50N/1111705.50W	4117 (3C)	300		4420				
CATEGORY E		4.5 NM			550												
5. MINIMUM SAFE ALTITUDES																	
PRIMARY NAVAID: GTF VORTAC																	
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)	
050-250		AAO		137/28.8		7573 (4E)		8600									
250-050		AAO		244/27.4		5059 (4E)		6100									
CITY AND STATE				ELEVATION: 3680				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION	
GREAT FALLS, MT				AIRPORT NAME: GREAT FALLS INTL				I-SMR				ILS OR LOC RWY 3, AMDT 5C; ILS RWY 3 (SA CAT I) , ILS RWY 3 (CAT II) , ILS RWY 3 (CAT III)				ANM	

QUALITY
25

CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. VGSI AND ILS GLIDEPATH NOT COINCIDENT. VGSI DATA: 3.00/69.5 FLIGHT CHECK RDH 53.6 FT., (ORDER 8260.3B, CHG 19) 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 NO ADDITIONAL AIRSPACE REQUIRED. KGTF ASOS ON WMSCR. NO SUITABLE BACKUP ALTIMETER AVAILABLE. PER ATC: VEGETATION 100 FT USED. PER FPT CHECKLIST: NO ALTERNATE MISSED APPROACH.													
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING															
ZLC ARTCC GTF APP CON GTF TOWER				N W S		OTHER: ASOS		SOURCE:KGTF															
								DISTANCE:															
								HOURS REMOTE OPERATION:															
SATISFACTORY ON:																							
X	V H F	X	U H F		H F	LOCATION: KGTF														ADJUSTMENT: 0			
4. MONITOR STATUS		PRIMARY NAVAID: I-SMR																					
		MONITOR POINT: POCC																					
		HRS OPTN:		CAT 1		24																	
				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:3680.0															
		DISTANCE FROM RWY: 1099						ELEV GP ANTENNA: 3667.6															
								THRESHOLD CROSSING HEIGHT:53.6															
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: 04/03/2017													
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5432													

