

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: RW21 CLIMB TO 8000 DIRECT DCEEE AND ON TRACK 263.14 TO TUCKB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 061.21 INBOUND. CHART FAS OBST: 3739 POLE 472922N/1112137W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 0.83 NM TO RW21* *LNAV ONLY. WAAS CHANNEL # 90221 REFERENCE PATH ID: W21A CHART CIRCLING ICON. LTP HAE: 1101.2 M						
KAVMY		SOTOW (TF) (FO) (RNP 2.00)		348.54 / 15.87				6500								
TUCKB		SOTOW (TF) (FO) (RNP 2.00)		045.00 / 24.68				6200								
PSHKN (IAF)		SOTOW (NOPT) (TF) (FB) (RNP 1.00)		211.21 / 5.01				6200								
SOTOW (IF/IAF)		DEELM (TF) (FB) (RNP 1.00)		212.17 / 5.68				5300								
DEELM (FAF)		WAGAN/2.10 NM TO RW21 (TF) (FB) (RNP 0.30)		212.09 / 2.87												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE SOTOW, LT, 212.17 INBOUND, 6200 FT. IN LIEU OF PT (IAF) 3. FAC: 212.09 FAF: DEELM DIST FAF TO MAP: 4.97 THLD: 4.97 4. MIN. ALT: SOTOW 6200, DEELM 5300, WAGAN/2.10 NM TO RW21 4380* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 5300 GS ALT AT: DEELM 5300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 59.0 34:1 IS CLEAR 8. MSA FROM: RW21 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	3869	4000	200	3869	4000	200	3869	4000	200	3869	4000	200				
LNAV/VNAV DA	3927	4500	258	3927	4500	258	3927	4500	258	3927	4500	258				
LNAV MDA	4000	5500	331	4000	5500	331	4000	5000	331	4000	5000	331				
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 -24C (-11F) OR ABOVE 49C (121F). @ CAT D 800-2 1/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).																
(CONTINUED ON PAGE 2)																
CITY AND STATE GREAT FALLS, MT		ELEVATION: 3680 TDZE: 3669 AIRPORT NAME: GREAT FALLS INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 21, ORIG-C 17 AUGUST 2017						SUP:				
												AMDT: ORIG-B				
												DATED 01/08/2015				



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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WAGAN/2.10 NM TO RW21	RW21 (MAP) (TF) (FO) (RNP 0.30)	212.09 / 2.10	
RW21 (MAP)	3869 MSL (CA)	212.09	
3869 MSL	DCEEE (DF) (FB) (RNP 1.00)		
DCEEE	TUCKB (TF) (FO) (RNP 1.00)	263.14 / 7.23	8000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TUCKB ON V187 SOUTHWEST BOUND

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KAVMY ON V187 EASTBOUND

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PSHKN ON V257 NORTHEAST BOUND

QUALITY
25
CHECKED

CITY AND STATE

GREAT FALLS, MT

ELEVATION: 3680

TDZE: 3669

AIRPORT NAME:

GREAT FALLS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 21, ORIG-C

17 AUGUST 2017

SUP:

AMDT: ORIG-B

DATED: 01/08/2015

**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	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	472922.8935N
LTP/FTP LONGITUDE	1112113.6635W
LTP/FTP ELLIPSOIDAL HEIGHT	+11012
FPAP LATITUDE	472809.6300N
FPAP LONGITUDE	1112301.7800W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
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

<u>CRC REMAINDER</u>	C18166E3
----------------------	----------

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+11154
FPAP ORTHOMETRIC HEIGHT	+11154

QUALITY
25
CHECKED

CITY AND STATE GREAT FALLS, MT	ELEVATION: 3680 AIRPORT NAME: GREAT FALLS INTL	TDZE: 3669 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 21, ORIG-C 17 AUGUST 2017	SUP:
				AMDT: ORIG-B
				DATED: 01/08/2015