

**FEDERAL AVIATION ADMINISTRATION**  
**FLIGHT STANDARDS SERVICE**  
**RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**

**TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u><b>AIRPORT ID</b></u> KGTf	<u><b>PROCEDURE NAME</b></u> RNAV (RNP) Z RWY 21	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-E	<u><b>CITY</b></u> GREAT FALLS	<u><b>STATE</b></u> MT		
<u><b>AIRPORT ELEVATION</b></u> 3680	<u><b>TDZE</b></u> 3669	<u><b>SUPERSEDED</b></u> RNAV (RNP) Z RWY 21	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-D	<u><b>DATED</b></u> 08/17/2017	<u><b>MAG VAR</b></u> 13E	<u><b>EPOCH YEAR</b></u> 2020
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 7 OCTOBER 2021	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>		

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
TUCKB	IAF	KEPPR		TF	FB	1.00	032.08	8.44	5500
DATSA	IAF	KEPPR		TF	FB	1.00	096.81	10.78	5500
KEPPR		JANON		TF	FB	1.00	033.28	8.08	5500
BRADZ	IAF	WOLLY		TF	FB	1.00	127.18	39.61	5500
JANON	IF	BDGER		RF	FB	1.00	(2.70 NM RADIUS CW (CFFPD))	4.44	5400
WOLLY	IF	BDGER		TF	FB	1.00	127.64	5.00	5400
BDGER		KUDEY	PFAF	RF	FB	1.00	(2.70 NM RADIUS CW (CFFPD))	3.97	4700
PSHKN	IAF	DRYFT		TF	FB	1.00	211.56	7.57	5100
DRYFT	IF	KUDEY	PFAF	TF	FB	1.00	212.13	5.00	4700
YOGOS	IAF	ZILEP		TF	FB	1.00	295.16	14.93	6100
ZILEP	IF	WEDAR		TF	FB	1.00	294.95	5.00	5100
URELE	IAF	ROWER		TF	FB	1.00	007.51	24.30	8000
ROWER		PADDL		TF	FB	1.00	007.66	9.00	5900
PADDL	IF	WEDAR		RF	FB	1.00	(2.70 NM RADIUS CCW (CFFPF))	3.43	5100
WEDAR		KUDEY	PFAF	RF	FB	1.00	(2.70 NM RADIUS CCW (CFFPF))	3.90	4700
KUDEY	PFAF	RW21	MAP	TF	FO	0.30	212.07	3.08	
RW21	MAP	ZETNI		TF	FB	1.00	212.03	6.05	
ZETNI		UPIGY		RF	FB	1.00	(7.00 NM RADIUS CW (CFFPG))	7.22	

**QUALITY  
20  
CHECKED**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
UPIGY		TUCKB		TF	FO	1.00	271.08	2.58	8000

**MISSED APPROACH****MAP:**

RNP: DA

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 8000 ON TRACK 212.03 TO ZETNI, RIGHT TURN TO UPIGY, AND ON TRACK 271.08 TO TUCKB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:****PROFILE:**

1. PT            SIDE OF COURSE                            OUTBOUND                            FT WITHIN                            MILES OF                            (IAF)

2. PROFILE STARTS AT KUDEY

3. FAC: 212.07                            PFAF: KUDEY                            DIST PFAF TO MAP:                            DIST PFAF TO THLD:

4. MIN ALT: KUDEY 4700

5. DIST TO THLD FROM OM: 3.08                            MM:                            IM:                            150 HAT:                            273 HAT: 0.67                            GS ANT:

6. MIN GP INCPT: 4700                            GP ALT AT PFAF : KUDEY 4700                            OM:                            MM:                            IM:

7. GP ANGLE: 3.00                            34:1: IS CLEAR                            20:1: IS CLEAR                            TCH: 59.0

8. MSA FROM: RW21 8500

**PBN REQUIREMENTS NOTE:**

RNP AR APCH - GPS.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -24°C OR ABOVE 54°C.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TUCKB ON V187 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DATSA ON V536 NORTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRADZ ON V21 NORTHWEST BOUND.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YOGOS ON V120 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT URELE ON V536 SOUTHBOUND.

CHART SPEED ICON IN PLANVIEW AT JANON: MAX 180 KIAS.

CHART SPEED ICON IN PLANVIEW AT BDGER: MAX 180 KIAS.

CHART SPEED ICON IN PLANVIEW AT PADDL: MAX 180 KIAS.

CHART SPEED ICON IN PLANVIEW AT WEDAR: MAX 180 KIAS.

**ADDITIONAL FLIGHT DATA:**

HOLD SW, LT, 061.21 INBOUND.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
AUTHORIZATION REQUIRED															
RNP 0.10 DA	3942	4500	273	3942	4500	273	3942	4500	273	3942	4500	273			
RNP 0.30 DA	3992	5000	323	3992	5000	323	3992	5000	323	3992	5000	323			

CHANGES - REASONS

1. UPDATED PBN REQUIREMENTS NOTE - CRITERIA
2. CHANGED FIX "DRFTR" TO "BDGER" - REQUESTED FOR FLIGHT SAFETY
3. UPDATED CRITICAL TEMP VALUES FROM -24C/49C TO -24C/54C-REMOVED FAHRENHEIT VALUES - PER CRITERIA
4. DELETED ROUTE TYPE ROUTE TYPE QUALIFER FROM ADDITIONAL FLIGHT DATA - 8260.19I PARA8-6-10
5. DELETED #TCH NOTE FROM ADDITIONAL FLIGHT DATA - CURRENT CRITERIA
6. UPDATED 20:1 NOTE-20:1 IS CLEAR.

COORDINATED WITH:A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZLC, GTF APP CON, ATCT, AFLD MGRFLIGHT CHECKED BYPROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIREDOFFICEDATEDEVELOPED BY

ERIC N SUSKI

Digitally signed by  
**ERIC N SUSKI**  
Jun 25, 2021Digitally signed by  
**DONALD H LANIER**  
Jun 29, 2021OFFICE

AJV-A433

DATE

06/08/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by  
**DONALD H LANIER**  
Jun 29, 2021OFFICE

AJV-A430

DATETITLE  
MANAGER