

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) 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>AIRPORT ID</u> KMLS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> MILES CITY	<u>STATE</u> MT		
<u>AIRPORT ELEVATION</u> 2634	<u>TDZE</u> 2634	<u>SUPERSEDED</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 3	<u>DATED</u> 05/26/2016	<u>MAG VAR</u> 9E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 27 JANUARY 2022	<u>REQUIRED EFFECTIVE DATE</u> 01/27/2022	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 313/30 CW 133/30	NOPT	313/10 CW 133/10		6200
2. 313/10 CW 133/10		OPEJY	IF/IAF	5600
3. 133/30 CW 223/30		TEJIY	IAF	5800
4. 223/30 CW 313/30		ONBOH	IAF	6000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
TEJIY	IAF	OPEJY	NOPT	TF	FB	1.00	132.64	10.00	5600
ONBOH	IAF	OPEJY	NOPT	TF	FB	1.00	312.86	10.00	5600
OPEJY	IF/IAF	UCVIC		TF	FB	1.00	042.75	6.83	4300
UCVIC	FAF	YULUT/2.34 NM TO RW4		TF	FB	0.30	042.85	2.76	
YULUT/2.34 NM TO RW4		RW4	MAP	TF	FO	0.30	042.85	2.34	
RW4	MAP	2884 MSL		CA			042.85		
2884 MSL		AXUPE		DF	FO	1.00			6000



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW4

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6000 DIRECT AXUPE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

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

2. HOLD SW OPEJY, RT, 042.75 INBOUND, 5600 FT. IN LIEU OF PT (IAF), MAX 9000.

3. FAC: 042.85 FAF: UCVIC DIST FAF TO MAP: 5.10 DIST FAF TO THLD: 5.10

4. MIN ALT: OPEJY 5600, UCVIC 4300, YULUT/2.34 NM TO RW4 3400

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.66 GS ANT:

6. MIN GP INCPT: 4300 GP ALT AT PFAF : UCVIC 4300 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 40.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING GLENDIVE ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25°C OR ABOVE 54°C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GLENDIVE ALTIMETER SETTING: INCREASE LPV AND LNAV/VNAV DA TO 3051 AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDA 180 FEET AND LNAV CAT C AND D VISIBILITIES 5/8 SM AND CIRCLING CAT C AND D VISIBILITIES 1/2 SM.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 223.11 INBOUND.
CHART FAS OBST: 2790 NAVAID (30-022269) 462444N/1055618W.
2914 AAO 462318N/1060009W.
CHART VDP AT 1.15 NM TO RW04.
WAAS CHANNEL # 42600
REFERENCE PATH ID: W04A
CHART CIRCLING ICON.
LTP HAE: 786.9 M



MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<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>
LPV DA	2884	1	250	2884	1	250	2884	1	250	2884	1	250			
LNAV/VNAV DA	2884	1	250	2884	1	250	2884	1	250	2884	1	250			
LNAV MDA	3040	1	406	3040	1	406	3040	1 1/8	406	3040	1 1/8	406			
CIRCLING	3060	1	426	3100	1	466	3160	1 1/2	526	3320	2 1/4	686			

CHANGES - REASONS

1. TAA SECTOR 313/10 CW 133/10 (STRAIGHT-IN STEPDOWN) MINIMUM ALTITUDE INCREASED FROM 5500 TO 5600 - OBSTACLE EVAL.
2. TAA SECTOR 133/30 CW 223/30 (LEFT BASE) MINIMUM ALTITUDE INCREASED FROM 5700 TO 5800 - OBSTACLE EVAL.
3. TAA SECTOR 223/30 CW 313/30 (RIGHT BASE) MINIMUM ALTITUDE INCREASED FROM 5900 TO 6000 - OBSTACLE EVAL.
4. TERMINAL ROUTE: TEJY MINIMUM ALTITUDE INCREASED FROM 5500 TO 5600 - TAA STRAIGHT-IN ALTITUDE INCREASED.
5. TERMINAL ROUTE: ONBOH MINIMUM ALTITUDE INCREASED FROM 5500 TO 5600 - TAA STRAIGHT-IN ALTITUDE INCREASED.
6. TERMINAL ROUTE: OPEJY INTERMEDIATE DISTANCE INCREASED FROM 7.03 TO 6.83 - FAF (UCVIC) RELOCATED.
7. TERMINAL ROUTE: UCVIC FINAL DISTANCE TO YULUT INCREASED FROM 2.72 TO 2.76 - FAF AND YULUT RELOCATED.
8. TERMINAL ROUTE YULUT FINAL DISTANCE CHANGED FROM 2.40 TO 2.34
9. LINE 2: HOLD-IN-LIEU MINIMUM ALTITUDE INCREASED FROM 5500 TO 5600 - TAA STRAIGHT-IN ALTITUDE INCREASED.
10. LINE 3: DIST FAF TO MAP/THLD CHANGED FROM 5.12 TO 5.10 - RWY AND FAF RELOCATED.
11. LINE 4 MINIMUM ALTITUDE OPEJY INCREASED FROM 5500 TO 5600 - TAA STRAIGHT-IN ALTITUDE INCREASED.
12. LINE 4: MINIMUM ALTITUDE YULUT LOWERED FROM 3420 TO 3400 - YULUT RELOCATED.
13. LINE 7: ADDED 20:1 IS CLEAR - REQUIRED BY CRITERIA.
14. DELETED NOTE: DME/DME RNP -0.3 NA, ADDED PBN REQUIREMENTS NOTE RNP APCH - GPS - CRITERIA CHANGE.
15. NOTES: DELETED FAHRENHEIT VALUES IN BARO VNAV NOTE - CRITERIA CHANGE.
16. NOTES: CHANGED BACKUP NOTE FROM WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORSYTH ALTIMETER SETTING: INCREASE LPV AND LNAV/VNAV DA TO 2967 AND ALL VISIBILITY 1/8 MILE. INCREASE ALL MDA 100 FT. AND ALL CAT C AND D VISIBILITY 1/4 MILE TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GLENDIVE ALTIMETER SETTING: INCREASE LPV AND LNAV/VNAV DA TO 3051 AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDA 180 FEET AND LNAV AND LNAV CAT C AND D VISIBILITIES 5/8 SM AND CIRCLING CAT C AND D VISIBILITIES 1/2 SM - BACKUP SOURCE CHANGED FROM FORSYTH, MT TO GLENDIVE, MT
17. LPV DA INCREASED FROM 2879 TO 2884 - TDZE CHANGED FROM 2629 TO 2634.
18. LNAV/VNAV DA INCREASED FROM 2879 TO 2884 - TDZE CHANGED FROM 2629 TO 2634.
19. LNAV HAT LOWERED FROM 411 TO 406 - TDZE CHANGED FROM 2629 TO 2634.
20. CIRCLING CAT A HAA LOWERED FROM 430 TO 426, CAT B HAA LOWERED FROM 470 TO 466, CAT D HAA LOWERED FROM 690 TO 686 - AIRPORT ELEVATION CHANGED FROM 2630 TO 2634.
21. CIRCLING CAT C MDA/HAA INCREASED FROM 3120/490 TO 3160/526 - NEW CONTROLLING OBSTACLE/AIRPORT ELEVATION CHANGED FROM 2630 TO 2634.
22. FAS DATA: LTP CHANGED FROM 462518.1910N/1055347.8875W TO 462510.3235N/1055402.4070W - RWY RELOCATED.
23. FAS DATA: FPAP CHANGED FROM 462613.1130N/1055206.4800W TO 462605.2445N/1055221.0025W - RWY RELOCATED.
24. FAS DATA: LENGTH OFFSET CHANGED FROM 1024 TO 0992 - RECALCULATED VALUE.
25. FAS DATA: CRC REMAINDER CHANGED FROM 877CE394 TO D340DEA8 - CHANGES 22-24 ABOVE.



AIRPORT ID
KMLS

PROCEDURE NAME
RNAV (GPS) RWY 4

ORIGINAL/AMENDMENT
4

CITY
MILES CITY

STATE
MT

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZLC, MLS AMGR

FLIGHT CHECKED BY
PENDING

Digitally signed by

OFFICE

DATE

JON DENTON

Dec 14, 2021

DEVELOPED BY
RICHARD K. CLARK JR.

Digitally signed by

RICHARD K CLARK-JR

Nov 30, 2021

OFFICE

AJV-A432

DATE

10/05/2021

APPROVED BY
LONNIE EVERHART

Digitally signed by

OFFICE

DATE

TITLE
MANAGER

JON DENTON

Dec 14, 2021

AJV-A430



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMLS
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	462510.3235N
LTP/FTP LONGITUDE	1055402.4070W
LTP/FTP ELLIPSOIDAL HEIGHT	+07869
FPAP LATITUDE	462605.2445N
FPAP LONGITUDE	1055221.0025W
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	0992
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	D340DEA8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08029
FPAP ORTHOMETRIC HEIGHT	+08029

