

**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.

AIRPORT ID IMT	PROCEDURE NAME RNAV (GPS) RWY 1	ORIGINAL/AMENDMENT ORIG-E	CITY IRON MOUNTAIN KINGSFORD	STATE MI
AIRPORT ELEVATION 1182	TDZE 1133	SUPERSEDED RNAV (GPS) RWY 1	DATED 09/05/2024	EPOCH YEAR 1985
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 27 NOVEMBER 2025	MAG VAR 2W	CANCEL/SUSPEND
		REQUIRED EFFECTIVE DATE ROUTINE		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 280/30 CW 100/30	NOPT	SEYOC	IF/IAF	3400
2. 100/30 CW 190/30		AFERO	IAF	3900
3. 190/30 CW 280/30		OJOSO	IAF	3400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OJOSO	IAF	SEYOC	NOPT	TF	FB	1.00	279.72	5.00	3400
AFERO	IAF	SEYOC	NOPT	TF	FB	1.00	099.56	5.00	3400
SEYOC	IF/IAF	JUNEM		TF	FB	1.00	009.64	6.12	2900
JUNEM	FAF	LOOMS/2.60 NM TO RW01		TF	FB	0.30	009.66	2.71	
LOOMS/2.60 NM TO RW01		RW01	MAP	TF	FO	0.30	009.66	2.60	
RW01	MAP	1383 MSL		CA			009.66		
1383 MSL		DAMPY		DF	FO	1.00			3400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3400 DIRECT DAMPY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | | | | |
|--|-----------------------|-----------------------------------|-------------------------|------------------|-------|--------------------------|------|----------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) | | | |
| 2. HOLD S SEYOC, RT, 009.64 INBOUND, 3400 IN LIEU OF PT (IAF), MAX 6000. | | | | | | | | |
| 3. FAC: 009.66 | | FAF: JUNEM | DIST FAF TO MAP: | 5.31 | | DIST FAF TO THLD: | 5.31 | |
| 4. MIN ALT: SEYOC 3400, JUNEM 2900, LOOMS/2.60 NM TO RW01 2000 | | | | | | | | |
| 5. DIST TO THLD FROM OM: | | MM: | IM: | 150 HAT: | | 250 HAT: | 0.62 | GS ANT: |
| 6. MIN GP INCPT: 2900 | | GP ALT AT PFAF: JUNEM 2900 | | | | OM: | | MM: |
| 7. GP ANGLE: 3.04 | | 34:1: IS CLEAR | 20:1: IS CLEAR | TCH: 53.0 | | | | IM: |
| 8. MSA FROM: | | | | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 13, 31 NA AT NIGHT.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
 CHART NOTE: CIRCLING NA NORTHEAST OF RWYS 19 AND 31.
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ESC ALTIMETER SETTING.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITIES TO 1 3/4 SM AND LNAV CATS C AND D VISIBILITY TO 1 3/4 SM. WHEN USING ESC ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITIES TO 1 1/4 SM AND LNAV CATS C AND D VISIBILITIES TO 2 1/2 SM.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ESC ALTIMETER SETTING AND INCREASE LPV DA TO 1563 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE LNAV/VNAV DA TO 1940 FEET AND ALL VISIBILITIES 1/2 SM; INCREASE ALL MDAS 180 FEET AND LNAV VISIBILITIES CAT B/C/D 1/2 SM, AND CIRCLING VISIBILITIES CAT B/C/D 3/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 189.69 INBOUND.
 CHART FAS OBST: 1427 TREE (26-073913) 454653N/0880810W.
 CHART VDP AT 1.77 NM TO RW01.
 WAAS CHANNEL # 77811
 REFERENCE PATH ID: W01A
 LTP HAE: 310.8 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.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1383	1/2	250	1383	1/2	250	1383	1/2	250	1383	1/2	250			
LNAV/VNAV DA	1760	1 3/8	627	1760	1 3/8	627	1760	1 3/8	627	1760	1 3/8	627			
LNAV MDA	1760	1/2	627	1760	1/2	627	1760	1 3/8	627	1760	1 3/8	627			
CIRCLING	1760	1	578	1780	1	598	1780	1 3/4	598	1880	2 1/4	698			



CHANGES - REASONS

1. INCORPORATED CHANGES FROM ORIG-D P-NOTAM INTO THESE FORMS.
2. PROFILE: LINE 7 CHANGED FROM 34:1 "IS NOT CLEAR" TO "IS CLEAR" – NEW OBSTACLE EVALUATION, NO PENETRATIONS.
3. NOTES: CHANGED CHART NOTE FROM "CIRCLING RWY 13, 19 AND 31 NA AT NIGHT." TO "CIRCLING RWY 13, 31 NA AT NIGHT." – RWY 19 NO LONGER HAS NIGHT RESTRICTIONS/20:1 OBSTACLES.
4. NOTES: DELETED CHART NOTE "INOPERATIVE TABLE DOES NOT APPLY TO LPV." AND ADDED "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITIES TO 1 3/4 SM AND LNAV CATS C AND D VISIBILITY TO 1 3/4 SM. WHEN USING ESC ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITIES TO 1 1/4 SM AND LNAV CATS C AND D VISIBILITIES TO 2 1/2 SM." – NEW TARGETS EVALUATION/IAW 8260.3G, 3-3-1 AND INOP TABLE, FPT DIRECTED BACKUP ALTIMETER NOTES BE MOVED TO PROCEDURE NOTES WITH RNAV RWY 19 FULL AMENDMENT.
5. NOTES: ADDED CHART NOTE "BARO-VNAV AND VDP NA WHEN USING ESC ALTIMETER SETTING." – IAW 8260.19J, 8-6-10.E.(8) AND (9).
6. NOTES: ADDED CHART NOTE "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ESC ALTIMETER SETTING AND INCREASE LPV DA TO 1563 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE LNAV/VNAV DA TO 1940 FEET AND ALL VISIBILITIES 1/2 SM; INCREASE ALL MDAS 180 FEET AND LNAV VISIBILITIES CAT B/C/D 1/2 SM, AND CIRCLING VISIBILITIES CAT B/C/D 3/4 SM." – IAW 8260.19J, 8-6-10.F.(4) AND 8260.3G, 3-3-2., FPT DIRECTED PLACE IN PROCEDURE NOTES.
7. ADDITIONAL FLIGHT DATA: CHANGED FROM "HOLD N, RT, 189.70 INBOUND." TO "HOLD N, RT, 189.69 INBOUND." – UPDATED TO ALIGN WITH RNAV RWY 19 SEGMENT COURSE.
8. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART FAS OBST: 1422 TREE (KIMT0001) 454655N/0880820W." TO "CHART FAS OBST: 1427 TREE (26-073913) 454653N/0880810W." – NEW OBSTACLE EVALUATION.
9. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART VDP AT 1.81 NM TO RW01." TO "CHART VDP AT 1.77 NM TO RW01." – TARGETS CALCULATED VDA CORRECTED TO 3.04.
10. ADDITIONAL FLIGHT DATA: DELETED "CHART CIRCLING ICON" – NO LONGER REQUIRED AND IAW FAA MEMO "REVISED CIRCLING MANEUVERING AREA CRITERIA IMPLEMENTATION PLAN" DATED 09/30/2021.
11. ALTERNATE MINIMUMS: CHANGED FROM "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE." TO "STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" – UPDATED DUE TO RAISED CIRCLING MINIMUMS AND IAW 8260.3G, 3-4-1.
12. MINIMUMS: LPV VISIBILITY ALL CATS DECREASED FROM 3/4 SM TO 1/2 SM – NEW EVALUATION AND IAW 8260.3G TABLE 3-3-1.
13. MINIMUMS: LNAV/VNAV DA/HAT DECREASED FROM 1806/673 TO 1760/627 AND VISIBILITY ALL CATS DECREASED FROM 2 SM TO 1 3/8 SM – NEW EVALUATION IAW 8260.3G TABLE 3-3-1.
14. MINIMUMS: LNAV VISIBILITY CATS A AND B DECREASED FROM 3/4 SM TO 1/2 SM, CAT C INCREASED FROM 1 1/4 SM TO 1 3/8 SM, AND CAT D DECREASED FROM 1 1/2 SM TO 1 3/8 SM. – NEW EVALUATION IAW WITH AND 8260.3G TABLE 3-3-1.
15. MINIMUMS: CIRCLING CAT D MINIMUMS INCREASED FROM MDA/HAA 1840/658 TO 1880/698 AND VISIBILITY FROM 2 SM TO 2 1/4 SM – NEW OBSTACLE EVALUATION, PREVIOUSLY FLIGHT CHECKED BY ILS OR LOC RWY 1 AND MATCHES WORKING RNAV (GPS) RWY 19 FULL.
16. FAS DATA: CRC CHANGED FROM "C233CC68" TO "C7F3FAE7" – LTP/FTP LATITUDE LONGITUDE CHANGED FROM "454837.8600N/0880654.5000W" TO "454837.8525N/0880654.5020W", FPAP CHANGED FROM "454947.3300N/0880641.1200W" TO "455006.1320N/0880637.4870W", GPA CHANGED FROM "3.00" TO "3.04", LENGTH OFFSET CHANGED FROM "0184" TO "0768", AND LTP/FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+03451" TO "+03450".

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: ZMP, AMGR

FLIGHT CHECKED BY

MARC WEBBER

Digitally signed by
CASIMIR L TABAKA
 Aug 22, 2025

OFFICE

AJF

DATE

08/21/2025

DEVELOPED BY

CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

Digitally signed by
CASIMIR L TABAKA
 Aug 22, 2025

OFFICE

AJV-A432

DATE

07/07/2025

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
 Aug 22, 2025

OFFICE

AJV-A432

DATE

TITLE
MANAGER



AIRPORT ID
IMT

PROCEDURE NAME
RNAV (GPS) RWY 1

ORIGINAL/AMENDMENT
ORIG-E

CITY
IRON MOUNTAIN KINGSFORD

STATE
MI

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIMT
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	454837.8525N
LTP/FTP LONGITUDE	0880654.5020W
LTP/FTP ELLIPSOIDAL HEIGHT	+03108
FPAP LATITUDE	455006.1320N
FPAP LONGITUDE	0880637.4870W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.04
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER C7F3FAE7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03450
FPAP ORTHOMETRIC HEIGHT	+03450

