

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
KIMT	IRON MOUNTAIN KINGSFORD	MI	6	5 SEPTEMBER 2024

TAKEOFF MINIMUMS:

RWY 1, 19: STANDARD.
RWY 13: 300-1 1/8 OR STANDARD WITH MINIMUM CLIMB OF 630 FT/NM TO 1400.
RWY 31: 300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 280 FT/NM TO 1400.

TEXTUAL DEPARTURE PROCEDURES:

RWY 1: CLIMB HEADING 009.67 TO 1700 BEFORE TURNING RIGHT.
RWY 13: CLIMB HEADING 133.95 TO 1800 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

RWY 1: TERRAIN, LIGHT POLES BEGINNING 8 FT FROM DER, 8 FT LEFT OF CENTERLINE, UP TO 1183 FT MSL.
LIGHT POLES 30 FT FROM DER, 149 FT RIGHT OF CENTERLINE, 4 FT AGL/1184 FT MSL.
TREE 173 FT FROM DER, 522 FT LEFT OF CENTERLINE, 1193 FT MSL.
VEGETATION 351 FT FROM DER, 572 FT RIGHT OF CENTERLINE, 1197 FT MSL.
TREES BEGINNING 358 FT FROM DER, 293 FT LEFT OF CENTERLINE, UP TO 1202 FT MSL.
VEGETATION 612 FT FROM DER, 508 FT RIGHT OF CENTERLINE, 1200 FT MSL.
TREE 614 FT FROM DER, 658 FT LEFT OF CENTERLINE, 1208 FT MSL.
TREE, VEGETATION BEGINNING 637 FT FROM DER, 547 FT RIGHT OF CENTERLINE, UP TO 1237 FT MSL.
TREES BEGINNING 807 FT FROM DER, 49 FT RIGHT OF CENTERLINE, UP TO 1273 FT MSL.
TREES BEGINNING 924 FT FROM DER, 276 FT LEFT OF CENTERLINE, UP TO 1212 FT MSL.
ANTENNA 1443 FT FROM DER, 306 FT LEFT OF CENTERLINE, 1220 FT MSL.
BUILDING 1655 FT FROM DER, 192 FT LEFT OF CENTERLINE, 10 FT AGL/1229 FT MSL.
TREES BEGINNING 1787 FT FROM DER, 701 FT LEFT OF CENTERLINE, UP TO 1268 FT MSL.
TREE 1918 FT FROM DER, 983 FT LEFT OF CENTERLINE, 1281 FT MSL.
TREE 1920 FT FROM DER, 852 FT LEFT OF CENTERLINE, 1291 FT MSL.
TREES BEGINNING 2005 FT FROM DER, 59 FT LEFT OF CENTERLINE, UP TO 1295 FT MSL.

RWY 13: LIGHT POLES 35 FT FROM DER, 113 FT RIGHT OF CENTERLINE, 1127 FT MSL.
LIGHT POLES 35 FT FROM DER, 112 FT LEFT OF CENTERLINE, 1129 FT MSL.
TREES, FENCE BEGINNING 37 FT FROM DER, 409 FT LEFT OF CENTERLINE, UP TO 11 FT AGL/1138 FT MSL.
TREE 450 FT FROM DER, 450 FT LEFT OF CENTERLINE, 1151 FT MSL.
TREE 456 FT FROM DER, 560 FT LEFT OF CENTERLINE, 1178 FT MSL.
TREES BEGINNING 588 FT FROM DER, 343 FT LEFT OF CENTERLINE, UP TO 1207 FT MSL.
TREES BEGINNING 707 FT FROM DER, 408 FT LEFT OF CENTERLINE, UP TO 1209 FT MSL.
TREES, TRANSMISSION LINES BEGINNING 1017 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 1231 FT MSL.
TREES BEGINNING 1044 FT FROM DER, 7 FT RIGHT OF CENTERLINE, UP TO 1168 FT MSL.
TREE 1260 FT FROM DER, 26 FT RIGHT OF CENTERLINE, 1180 FT MSL.
TREE 1285 FT FROM DER, 146 FT RIGHT OF CENTERLINE, 1192 FT MSL.
TREES BEGINNING 1287 FT FROM DER, 94 FT RIGHT OF CENTERLINE, UP TO 1195 FT MSL.
TREES, POLE BEGINNING 1459 FT FROM DER, 280 FT RIGHT OF CENTERLINE, UP TO 1199 FT MSL.
TREES BEGINNING 1552 FT FROM DER, 146 FT RIGHT OF CENTERLINE, UP TO 1200 FT MSL.
TREES BEGINNING 1872 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 1233 FT MSL.
TREES BEGINNING 1967 FT FROM DER, 442 FT LEFT OF CENTERLINE, UP TO 1259 FT MSL.
TREES BEGINNING 2040 FT FROM DER, 18 FT LEFT OF CENTERLINE, UP TO 1279 FT MSL.
TREES BEGINNING 2136 FT FROM DER, 95 FT LEFT OF CENTERLINE, UP TO 1280 FT MSL.
TREES BEGINNING 2292 FT FROM DER, 120 FT LEFT OF CENTERLINE, UP TO 1290 FT MSL.
TREES BEGINNING 2378 FT FROM DER, 30 FT RIGHT OF CENTERLINE, UP TO 1206 FT MSL.
TREE 2390 FT FROM DER, 978 FT LEFT OF CENTERLINE, 1298 FT MSL.
TREES, POLES BEGINNING 2402 FT FROM DER, 67 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/1313 FT MSL.
TREES BEGINNING 2477 FT FROM DER, 12 FT RIGHT OF CENTERLINE, UP TO 1215 FT MSL.
TREES BEGINNING 3121 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 1216 FT MSL.
TREES, POLE, BUILDING, TREES BEGINNING 3158 FT FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 1318 FT MSL.
TREE 3354 FT FROM DER, 17 FT RIGHT OF CENTERLINE, 77 FT AGL/1218 FT MSL.
TREES BEGINNING 5279 FT FROM DER, 1762 FT LEFT OF CENTERLINE, UP TO 1277 FT MSL.

RWY 19: TREES BEGINNING 936 FT FROM DER, 724 FT RIGHT OF CENTERLINE, UP TO 1203 FT MSL.
TREE 1100 FT FROM DER, 743 FT LEFT OF CENTERLINE, 1181 FT MSL.
TREES BEGINNING 1168 FT FROM DER, 710 FT RIGHT OF CENTERLINE, UP TO 1207 FT MSL.
TREE 1240 FT FROM DER, 684 FT LEFT OF CENTERLINE, 1185 FT MSL.
TREE 1359 FT FROM DER, 701 FT LEFT OF CENTERLINE, 1188 FT MSL.
TREES BEGINNING 1415 FT FROM DER, 698 FT LEFT OF CENTERLINE, UP TO 1195 FT MSL.
~~TREES BEGINNING 1774 FT FROM DER, 788 FT LEFT OF CENTERLINE, UP TO 1198 FT MSL.~~



RWY 31: TREES BEGINNING 33 FT FROM DER, 173 FT LEFT OF CENTERLINE, UP TO 18 FT AGL/1135 FT MSL.
 TREE 266 FT FROM DER, 464 FT LEFT OF CENTERLINE, 1154 FT MSL.
 TREES BEGINNING 396 FT FROM DER, 259 FT LEFT OF CENTERLINE, UP TO 1162 FT MSL.
 TREE 656 FT FROM DER, 667 FT LEFT OF CENTERLINE, 1164 FT MSL.
 TREES BEGINNING 744 FT FROM DER, 256 FT LEFT OF CENTERLINE, UP TO 1165 FT MSL.
 TREES BEGINNING 758 FT FROM DER, 105 FT RIGHT OF CENTERLINE, UP TO 1199 FT MSL.
 TREES BEGINNING 869 FT FROM DER, 184 FT LEFT OF CENTERLINE, UP TO 1169 FT MSL.
 TREES BEGINNING 942 FT FROM DER, 75 FT LEFT OF CENTERLINE, UP TO 1170 FT MSL.
 TREES BEGINNING 990 FT FROM DER, 109 FT LEFT OF CENTERLINE, UP TO 1172 FT MSL.
 TREES BEGINNING 1321 FT FROM DER, 648 FT LEFT OF CENTERLINE, UP TO 1174 FT MSL.
 TREES BEGINNING 1449 FT FROM DER, 213 FT LEFT OF CENTERLINE, UP TO 1184 FT MSL.
 TREES BEGINNING 1704 FT FROM DER, 515 FT LEFT OF CENTERLINE, UP TO 1200 FT MSL.
 TREES BEGINNING 1845 FT FROM DER, 96 FT LEFT OF CENTERLINE, UP TO 1204 FT MSL.
 TREES BEGINNING 1882 FT FROM DER, 150 FT RIGHT OF CENTERLINE, UP TO 1200 FT MSL.
 TREES BEGINNING 2205 FT FROM DER, 103 FT RIGHT OF CENTERLINE, UP TO 1207 FT MSL.
 TREE 3597 FT FROM DER, 91 FT LEFT OF CENTERLINE, 1226 FT MSL.
 TREE 3892 FT FROM DER, 376 FT RIGHT OF CENTERLINE, 1231 FT MSL.
 TREES BEGINNING 4066 FT FROM DER, 208 FT RIGHT OF CENTERLINE, UP TO 1241 FT MSL.
 TREE 4099 FT FROM DER, 72 FT LEFT OF CENTERLINE, 1237 FT MSL.
 TREES BEGINNING 4169 FT FROM DER, 178 FT LEFT OF CENTERLINE, UP TO 1244 FT MSL.
 TREE 4173 FT FROM DER, 425 FT RIGHT OF CENTERLINE, 1246 FT MSL.
 TREES BEGINNING 4176 FT FROM DER, 650 FT RIGHT OF CENTERLINE, UP TO 1248 FT MSL.
 TREES BEGINNING 4245 FT FROM DER, 132 FT RIGHT OF CENTERLINE, UP TO 1249 FT MSL.
 TREES BEGINNING 4323 FT FROM DER, 42 FT RIGHT OF CENTERLINE, UP TO 1251 FT MSL.
 TREE 4349 FT FROM DER, 592 FT LEFT OF CENTERLINE, 1245 FT MSL.
 TREES BEGINNING 4357 FT FROM DER, 204 FT LEFT OF CENTERLINE, UP TO 1253 FT MSL.
 TREES BEGINNING 4389 FT FROM DER, 409 FT RIGHT OF CENTERLINE, UP TO 1258 FT MSL.
 TREES BEGINNING 4406 FT FROM DER, 48 FT LEFT OF CENTERLINE, UP TO 1260 FT MSL.
 TREES BEGINNING 4457 FT FROM DER, 203 FT RIGHT OF CENTERLINE, UP TO 1266 FT MSL.
 TREES BEGINNING 4504 FT FROM DER, 64 FT RIGHT OF CENTERLINE, UP TO 1267 FT MSL.
 TREES BEGINNING 4506 FT FROM DER, 379 FT LEFT OF CENTERLINE, UP TO 1262 FT MSL.
 TREES BEGINNING 4555 FT FROM DER, 77 FT LEFT OF CENTERLINE, UP TO 1267 FT MSL.
 TREES BEGINNING 4623 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 1272 FT MSL.
 TREES BEGINNING 4731 FT FROM DER, 18 FT LEFT OF CENTERLINE, UP TO 1271 FT MSL.
 TREES BEGINNING 4900 FT FROM DER, 36 FT LEFT OF CENTERLINE, UP TO 1277 FT MSL.
 TREES BEGINNING 5064 FT FROM DER, 108 FT LEFT OF CENTERLINE, UP TO 1287 FT MSL.
 TREES BEGINNING 5114 FT FROM DER, 462 FT RIGHT OF CENTERLINE, UP TO 1274 FT MSL.
 TREES BEGINNING 5176 FT FROM DER, 628 FT LEFT OF CENTERLINE, UP TO 1293 FT MSL.
 TREES BEGINNING 5204 FT FROM DER, 150 FT RIGHT OF CENTERLINE, UP TO 1277 FT MSL.
 TREE 5234 FT FROM DER, 269 FT RIGHT OF CENTERLINE, 1297 FT MSL.
 TREES BEGINNING 5244 FT FROM DER, 110 FT LEFT OF CENTERLINE, UP TO 1300 FT MSL.
 TREES BEGINNING 5270 FT FROM DER, 470 FT RIGHT OF CENTERLINE, UP TO 1302 FT MSL.
 TREES BEGINNING 5329 FT FROM DER, 16 FT RIGHT OF CENTERLINE, UP TO 1307 FT MSL.
 TREES BEGINNING 5441 FT FROM DER, 93 FT LEFT OF CENTERLINE, UP TO 1301 FT MSL.
 TREES BEGINNING 5459 FT FROM DER, 538 FT LEFT OF CENTERLINE, UP TO 1302 FT MSL.
 TREES BEGINNING 5532 FT FROM DER, 29 FT LEFT OF CENTERLINE, UP TO 1320 FT MSL.
 TREES BEGINNING 5704 FT FROM DER, 62 FT LEFT OF CENTERLINE, UP TO 1324 FT MSL.
 TREES BEGINNING 5763 FT FROM DER, 21 FT RIGHT OF CENTERLINE, UP TO 105 FT AGL/1322 FT MSL.
 TREES BEGINNING 5827 FT FROM DER, 18 FT LEFT OF CENTERLINE, UP TO 105 FT AGL/1332 FT MSL.
 TREES 1.2 NM FROM DER, 2243 FT LEFT OF CENTERLINE, 100 FT AGL/1328 FT MSL.

CONTROLLING OBSTACLES:

RWY 13: 1313 FT MSL TREE 454839.80N/0880603.34W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE), 1277 FT MSL TREE 454826.40N/0880525.95W (VISIBILITY), 1318 FT MSL TREE 454832.58N/0880558.26W (CEILING).
 RWY 31: 1332 FT MSL TREE 454950.10N/0880821.50W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE) (CEILING), 1327 FT MSL TREE 454948.00N/0880903.00W (VISIBILITY).
 OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1: 1660 FT MSL TOWER 455002.00N/0880517.00W, RWY 13: 1838 FT MSL TOWER 454914.00N/0880233.39W.

REMARKS:

UTILIZED 100 FT VEGETATION HEIGHT FOR CONTINUITY.
 APPROVAL LETTER SUBMITTED FOR CG EXCEEDING 500 FT/NM FOR RWY 13

FLIGHT INSPECTED BY	<i>Digitally signed by</i>	OFFICE	DATE		
GLEN B FREEMAN	ERIC N SUSKI	<i>Digitally signed by</i>	FPO	07/19/2024	
	Jul 22, 2024				
DEVELOPED BY		BEV L BORDY	OFFICE	DATE	
WESTLEY OWENS		May 10, 2024	AJV-A431	03/22/2024	
		<i>Digitally signed by</i>			
APPROVED BY		BEV L BORDY	OFFICE	DATE	TITLE
ERIC N SUSKI		May 10, 2024	AJV-A431	09/05/2024	MANAGER



AIRPORT ID
KIMT

CITY
IRON MOUNTAIN KINGSFORD

STATE
MI

AMDT NO
6

ACTUAL EFFECTIVE DATE
5 SEPTEMBER 2024

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER:

CHANGES - REASONS:

1. TAKEOFF MINIMUMS: CHANGED RWY 13 FROM "300-1 OR STANDARD WITH MINIMUM CLIMB OF 590 FT PER NM TO 1400" TO "300-1 1/8 OR STANDARD WITH MINIMUM CLIMB OF 630 FT/NM TO 1400" – NEW OBSTACLE SURVEY.
2. TAKEOFF MINIMUMS: CHANGED RWY 31 FROM "300-1 ¼ OR STANDARD WITH A MINIMUM CLIMB OF 260 FT PER NM TO 1400" TO "300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 280 FT/NM TO 1400" – NEW OBSTACLE SURVEY.
3. TEXTUAL DEPARTURE PROCEDURE: UPDATED RWY 13 FROM "RWY 13, CLIMB HEADING 133.95 TO 1900 BEFORE TURN LEFT" TO "RWY 13: CLIMB HEADING 133.95 TO 1800 BEFORE TURNING LEFT" – NEW OBSTACLE SURVEY.
4. TAKEOFF OBSTACLE NOTES: UPDATED TAKEOFF OBSTACLES FOR ALL RWYS – NEW OBSTACLE SURVEY.
5. CONTROLLING OBSTACLES: ADDED "RWY 13: 1313 FT MSL TREE 454839.80N/0880603.34W (CLIMB GRADIENT)(CLIMB-TO ALTITUDE), 1277 FT MSL TREE 454826.40N/0880525.95W (VISIBILITY), 1318 FT MSL TREE 454832.58N/0880558.26W (CEILING)" – NEW OBSTACLE SURVEY.
6. CONTROLLING OBSTACLES: ADDED "RWY 31: 1332 FT MSL TREE 454950.10N/0880821.50W (CLIMB GRADIENT)(CLIMB-TO ALTITUDE)(CEILING), 1327 FT MSL TREE 454948.00N/0880903.00W (VISIBILITY)" – NEW OBSTACLE SURVEY.
7. CONTROLLING OBSTACLES: ADDED "OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1: 1660 FT MSL TOWER 455002.00N/0880517.00W, RWY 13: 1838 FT MSL TOWER 454914.00N/0880233.39W" – NEW OBSTACLE SURVEY.
8. REMARKS: ADDED "UTILIZED 100 FT VEGETATION HEIGHT FOR CONTINUITY" - IAW 8260.46J APPENDIX D.2.(P).
9. REMARKS: ADDED "APPROVAL LETTER SUBMITTED FOR CG EXCEEDING 500 FT/NM FOR RWY 13" - IAW 8260.46J APPENDIX D.2.(P).

06/10/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/22/24.

1. TEXTUAL DEPARTURE PROCEDURE: RWY 1 CHANGED FROM "CLIMB HEADING 009.67 TO 1700 BEFORE TURNING LEFT." TO "CLIMB HEADING 009.67 TO 1700 BEFORE TURNING RIGHT.

