

**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>
KCMX	HANCOCK	MI	3B	30 NOVEMBER 2023

**TAKEOFF MINIMUMS:**

RWY 7, 14: STANDARD.

RWY 25: 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 215 FT/NM TO 1600 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FEET PRIOR TO DER.

RWY 32: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 245 FT/NM TO 1400 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2200 FEET PRIOR TO DER.

**TEXTUAL DEPARTURE PROCEDURES:**

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

RWY 7: UTILITY BUILDING 35 FT FROM DER, 126 FT RIGHT OF CENTERLINE, 8 FT AGL/1077 FT MSL. UTILITY BUILDING 35 FT FROM DER, 123 FT LEFT OF CENTERLINE, 7 FT AGL/1078 FT MSL. TREE 407 FT FROM DER, 490 FT LEFT OF CENTERLINE, 1091 FT MSL. TREE 580 FT FROM DER, 507 FT LEFT OF CENTERLINE, 1096 FT MSL. TREES BEGINNING 678 FT FROM DER, 631 FT LEFT OF CENTERLINE, UP TO 1098 FT MSL. TREE 998 FT FROM DER, 516 FT LEFT OF CENTERLINE, 1108 FT MSL. TREE 1064 FT FROM DER, 753 FT RIGHT OF CENTERLINE, 1125 FT MSL. TREES BEGINNING 1131 FT FROM DER, 448 FT RIGHT OF CENTERLINE, UP TO 1126 FT MSL. TREE 1250 FT FROM DER, 699 FT RIGHT OF CENTERLINE, 1129 FT MSL. TREES BEGINNING 1345 FT FROM DER, 494 FT RIGHT OF CENTERLINE, UP TO 1142 FT MSL. TREE 1630 FT FROM DER, 236 FT LEFT OF CENTERLINE, 1120 FT MSL. TREE 1840 FT FROM DER, 917 FT LEFT OF CENTERLINE, 1137 FT MSL. TREES BEGINNING 1929 FT FROM DER, 865 FT LEFT OF CENTERLINE, UP TO 1139 FT MSL. TREE 2084 FT FROM DER, 913 FT LEFT OF CENTERLINE, 1141 FT MSL. TREES BEGINNING 2178 FT FROM DER, 682 FT LEFT OF CENTERLINE, UP TO 1145 FT MSL.

RWY 14: LIGHTING 9 FT FROM DER, 54 FT LEFT OF CENTERLINE, 2 FT AGL/1062 FT MSL. LIGHTING 9 FT FROM DER, 55 FT RIGHT OF CENTERLINE, 2 FT AGL/1062 FT MSL.

RWY 25: UTILITY BUILDING 39 FT FROM DER, 124 FT LEFT OF CENTERLINE, 3 FT AGL/1062 FT MSL. UTILITY BUILDING 39 FT FROM DER, 124 FT RIGHT OF CENTERLINE, 3 FT AGL/1063 FT MSL. SHRUB 41 FT FROM DER, 285 FT RIGHT OF CENTERLINE, 1070 FT MSL. SHRUBS, TERRAIN BEGINNING 105 FT FROM DER, 354 FT RIGHT OF CENTERLINE, UP TO 1071 FT MSL. VEHICLES ON ROAD BEGINNING 376 FT FROM DER, 441 FT RIGHT OF CENTERLINE, UP TO 1081 FT MSL. TREES BEGINNING 381 FT FROM DER, 80 FT LEFT OF CENTERLINE, UP TO 1112 FT MSL. TREES BEGINNING 981 FT FROM DER, 430 FT RIGHT OF CENTERLINE, UP TO 1089 FT MSL. TREES BEGINNING 1180 FT FROM DER, 23 FT RIGHT OF CENTERLINE, UP TO 1114 FT MSL. TREE 1764 FT FROM DER, 405 FT RIGHT OF CENTERLINE, 1118 FT MSL. TREES BEGINNING 1985 FT FROM DER, 90 FT RIGHT OF CENTERLINE, UP TO 1121 FT MSL. TREE 2086 FT FROM DER, 636 FT LEFT OF CENTERLINE, 1113 FT MSL. TREE 2147 FT FROM DER, 769 FT RIGHT OF CENTERLINE, 1125 FT MSL. TREES BEGINNING 2149 FT FROM DER, 900 FT RIGHT OF CENTERLINE, UP TO 1127 FT MSL. TREES BEGINNING 2192 FT FROM DER, 248 FT LEFT OF CENTERLINE, UP TO 1116 FT MSL. TREE 2240 FT FROM DER, 207 FT LEFT OF CENTERLINE, 1117 FT MSL. TREES BEGINNING 2261 FT FROM DER, 136 FT LEFT OF CENTERLINE, UP TO 1119 FT MSL. TREE 2279 FT FROM DER, 210 FT LEFT OF CENTERLINE, 1126 FT MSL. TREES BEGINNING 2302 FT FROM DER, 36 FT LEFT OF CENTERLINE, UP TO 1129 FT MSL. TREES BEGINNING 2328 FT FROM DER, 30 FT RIGHT OF CENTERLINE, UP TO 1142 FT MSL. TREES BEGINNING 2497 FT FROM DER, 58 FT LEFT OF CENTERLINE, UP TO 1137 FT MSL. TREES BEGINNING 2533 FT FROM DER, 211 FT LEFT OF CENTERLINE, UP TO 1143 FT MSL. TREES BEGINNING 2603 FT FROM DER, 129 FT LEFT OF CENTERLINE, UP TO 1145 FT MSL. TREE 2870 FT FROM DER, 73 FT RIGHT OF CENTERLINE, 1146 FT MSL. TREES BEGINNING 2903 FT FROM DER, 256 FT RIGHT OF CENTERLINE, UP TO 1149 FT MSL. TREES BEGINNING 2932 FT FROM DER, 332 FT LEFT OF CENTERLINE, UP TO 1153 FT MSL. TREES BEGINNING 3001 FT FROM DER, 604 FT RIGHT OF CENTERLINE, UP TO 1158 FT MSL. TREE 3445 FT FROM DER, 745 FT LEFT OF CENTERLINE, 1156 FT MSL. TREES BEGINNING 3475 FT FROM DER, 896 FT RIGHT OF CENTERLINE, UP TO 1164 FT MSL. TREES BEGINNING 3586 FT FROM DER, 924 FT RIGHT OF CENTERLINE, UP TO 1166 FT MSL. TREES BEGINNING 3811 FT FROM DER, 419 FT LEFT OF CENTERLINE, UP TO 1160 FT MSL. TREES BEGINNING 3838 FT FROM DER, 966 FT RIGHT OF CENTERLINE, UP TO 1170 FT MSL. TREES BEGINNING 3917 FT FROM DER, 475 FT RIGHT OF CENTERLINE, UP TO 1173 FT MSL. TREE 4063 FT FROM DER, 1048 FT RIGHT OF CENTERLINE, 1174 FT MSL. TREES BEGINNING 4072 FT FROM DER, 356 FT LEFT OF CENTERLINE, UP TO 1164 FT MSL. TREE 4074 FT FROM DER, 598 FT RIGHT OF CENTERLINE, 1177 FT MSL. TREES BEGINNING 4094 FT FROM DER, 279 FT RIGHT OF CENTERLINE, UP TO 1180 FT MSL. TREES BEGINNING 4137 FT FROM DER, 295 FT LEFT OF CENTERLINE, UP TO 1169 FT MSL. TREE 4190 FT FROM DER, 465 FT RIGHT OF CENTERLINE, 1182 FT MSL. TREES BEGINNING 4191 FT FROM DER, 6 FT RIGHT OF CENTERLINE, UP TO 1188 FT MSL. TREES BEGINNING 4215 FT FROM DER, 223 FT LEFT OF CENTERLINE, UP TO 1170 FT MSL. TREES BEGINNING 4240 FT FROM DER, 204 FT LEFT OF CENTERLINE, UP TO 1173 FT MSL. TREES BEGINNING 4280 FT FROM DER, 242 FT LEFT OF CENTERLINE, UP TO 1174 FT MSL. TREES BEGINNING 4327 FT FROM DER, 95 FT LEFT OF CENTERLINE, UP TO 1180 FT MSL. TREES BEGINNING 4633 FT FROM DER, 51 FT RIGHT OF CENTERLINE, UP TO 1193 FT MSL. TREES BEGINNING 4728 FT FROM DER, 181 FT LEFT OF CENTERLINE, UP TO 1183 FT MSL. TREES BEGINNING 4993 FT FROM DER, 40 FT LEFT OF CENTERLINE, UP TO 1190 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 1163 FT LEFT OF CENTERLINE, UP TO 1242 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 1060 FT LEFT OF CENTERLINE, UP TO 1259 FT MSL. TREES BEGINNING 1.3 NM FROM DER, 2139 FT LEFT OF CENTERLINE, UP TO 1278 FT MSL. TREE 1.4 NM FROM DER, 2563 FT LEFT OF CENTERLINE, 1285 FT MSL.

RWY 32: LIGHT POLE 40 FT FROM DER, 149 FT LEFT OF CENTERLINE, 9 FT AGL/1097 FT MSL. LIGHT POLE 40 FT FROM DER, 150 FT RIGHT OF CENTERLINE, 4 FT AGL/1097 FT MSL. TREES BEGINNING 139 FT FROM DER, 489 FT LEFT OF CENTERLINE, UP TO 1108 FT MSL. TREE 226 FT FROM DER, 511 FT LEFT OF CENTERLINE, 1115 FT MSL. TREES BEGINNING 294 FT FROM DER, 282 FT LEFT OF CENTERLINE, UP TO 1131 FT MSL. TREE 1313 FT FROM DER, 809 FT RIGHT OF CENTERLINE, 1137 FT MSL. TREE 1465 FT FROM DER, 808 FT RIGHT OF CENTERLINE, 1146 FT MSL. TREES BEGINNING 1563 FT FROM DER, 304 FT RIGHT OF CENTERLINE, UP TO 1151 FT MSL. TREES BEGINNING 1742 FT FROM DER, 815 FT RIGHT OF CENTERLINE, UP TO 1155 FT MSL. TREES BEGINNING 1813 FT FROM DER, 373 FT LEFT OF CENTERLINE, UP TO 1177 FT MSL. TREES

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BEGINNING 1959 FT FROM DER, 120 FT RIGHT OF CENTERLINE, UP TO 1177 FT MSL. TREES BEGINNING 2241 FT FROM DER, 322 FT RIGHT OF CENTERLINE, UP TO 1190 FT MSL.

TREES BEGINNING 2283 FT FROM DER, 576 FT LEFT OF CENTERLINE, UP TO 1181 FT MSL. TREES BEGINNING 2400 FT FROM DER, 382 FT RIGHT OF CENTERLINE, UP TO 1192 FT MSL. TREE 2535 FT FROM DER, 1116 FT RIGHT OF CENTERLINE, 1193 FT MSL. TREES BEGINNING 2617 FT FROM DER, 142 FT RIGHT OF CENTERLINE, UP TO 1195 FT MSL. TREES BEGINNING 3010 FT FROM DER, 275 FT RIGHT OF CENTERLINE, UP TO 1196 FT MSL. TREES BEGINNING 3057 FT FROM DER, 195 FT RIGHT OF CENTERLINE, UP TO 1203 FT MSL. TREES BEGINNING 3097 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 1205 FT MSL. TREE 3411 FT FROM DER, 25 FT LEFT OF CENTERLINE, 1186 FT MSL.

TREES BEGINNING 4129 FT FROM DER, 77 FT RIGHT OF CENTERLINE, UP TO 1212 FT MSL. TREE 4156 FT FROM DER, 527 FT LEFT OF CENTERLINE, 1202 FT MSL. TREE 4503 FT FROM DER, 171 FT RIGHT OF CENTERLINE, 1214 FT MSL.

TREES BEGINNING 4508 FT FROM DER, 93 FT RIGHT OF CENTERLINE, UP TO 1220 FT MSL. TREE 4514 FT FROM DER, 68 FT LEFT OF CENTERLINE, 1209 FT MSL. TREES BEGINNING 4548 FT FROM DER, 48 FT LEFT OF CENTERLINE, UP TO 1212 FT MSL. TREE 4904 FT FROM DER, 236 FT LEFT OF CENTERLINE, 1218 FT MSL. TREES BEGINNING 5049 FT FROM DER, 344 FT RIGHT OF CENTERLINE, UP TO 1223 FT MSL. TREE 5172 FT FROM DER, 977 FT RIGHT OF CENTERLINE, 1225 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 25: 1272 FT MSL TREE 470900.91N/0883130.03W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE) (REDUCED TAKEOFF), 1283 FT MSL TREE 470855.19N/0883134.48W (CEILING) (VISIBILITY).

RWY 32: 1299 FT MSL TREE 471130.00N/0883054.00W (CEILING) (VISIBILITY), 1299 FT MSL TREE 471129.94N/0883046.80W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE) (REDUCED TAKEOFF).

**REMARKS:**

**FLIGHT INSPECTED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**OFFICE**

**DATE**

*Digitally signed by*  
**JOHN BORDY**  
Oct 16, 2023

**DEVELOPED BY**

ERIC N SUSKI (BRYANT SMITH)

*Digitally signed by*  
**JOHN BORDY**  
Oct 16, 2023

**OFFICE**

AJV-A431

**DATE**

05/16/2023

**APPROVED BY**

JOHN BORDY

*Digitally signed by*

**JOHN BORDY**

Sep 11, 2023

**OFFICE**

AJV-A33

**DATE**

09/11/2023

**TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒

**OTHER:**

**CHANGES - REASONS:**

1. INCORPORATED CHANGES IN AMDT 3A.
2. CHANGED ALL REFERENCES FROM RWY 13/31 TO RWY 14/32. - RWYS UPDATED IN AIRNAV.
3. UPDATED TAKEOFF OBSTACLE NOTES DUE TO NEW IFPA OBSTACLE SURVEY.

