

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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> KMHK	<u>PROCEDURE NAME</u> ILS OR LOC RWY 3	<u>ORIGINAL/AMENDMENT</u> 8	<u>CITY</u> MANHATTAN	<u>STATE</u> KS		
<u>AIRPORT ELEVATION</u> 1066	<u>TDZE</u> 1057	<u>SUPERSEDED</u> ILS OR LOC RWY 3	<u>ORIGINAL/AMENDMENT</u> 7D	<u>DATED</u> 11/03/2022	<u>MAG VAR</u> 4E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> I-MHK	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<u>REQUIRED EFFECTIVE DATE</u> 08/10/2023	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
MHK VOR/DME		BELVE/MHK 13.00 DME					215.36	13.00	3800
SLN VORTAC	IAF	BELVE/MHK 13.00 DME	NOPT				077.81	36.48	3800
WEVAL/MHK 13.00 DME CW	IAF	BELVE/MHK 13.00 DME	NOPT				13.00 DME ARC (MHK LR-206)		3800
JUXON INT/MHK 13.00 DME CW	IAF	BELVE/MHK 13.00 DME	NOPT				13.00 DME ARC (MHK LR-206)		3800
BELVE/MHK 13.00 DME	IF/IAF	ADEKE/MHK 6.94 DME					035.90	6.06 (I-MHK)	3000

MISSED APPROACH

MAP:

ILS: DA

LOC: 5.96 NM AFTER ADEKE/MHK 6.94 DME OR AT MHK 0.99 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2200 THEN CLIMBING RIGHT TURN TO 3000 ON MHK VOR/DME R-143 TO ALMAS INT/MHK 7.74 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 2200 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 220 TO INTERCEPT SLN R-080 TO JUXON INT/38.63 SLN DME AND HOLD.



PROFILE:

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

2. HOLD SW BELVE, LT, 035.90 INBOUND, 3800 FT. IN LIEU OF PT (IAF), MAX 5500.

3.FAC: 035.90 FAF: ADEKE/MHK 6.94 DME DIST FAF TO MAP: 5.96 DIST FAF TO THLD: 5.96

4. MIN ALT: BELVE/MHK 13.00 DME 3800, ADEKE/MHK 6.94 DME 3000, PIDME/MHK 2.36 DME 1540

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1039

6. MIN GS INCPT: 3000 GS ALT AT PFAF : ADEKE/MHK 6.94 DME 3000 OM: MM: IM:

7. GS ANGLE: 3.00 34:1: 20:1: TCH: 46.4

8. MSA FROM: MHK VOR/DME 3100

EQUIPMENT REQUIREMENTS NOTE:

DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING NA NORTHWEST OF RWY 3-21.
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1350.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

ADDITIONAL FLIGHT DATA:

CHART MARSHALL AAF.
CHART NOTE: DME FROM MHK VOR/DME.
HOLD SE, RT, 323.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE JUXON INT/SLN 38.63 DME, RT, 230.00 INBOUND.
CHART FAS OBST: 1189 POLE (20-023160) 390723N/0964139W.
CHART 1341 TOWER 390259N/0964514W.
CHART IN PLANVIEW: JUXON INT/SLN 38.63 DME.
CHART MHK R-111 AT WEVAL.
CHART MHK R-203 AT JUXON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT C 900-2 1/2, CAT D 900-2 3/4, 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
S-ILS 03	1257	1/2	200	1257	1/2	200	1257	1/2	200	1257	1/2	200			
S-LOC 03	1440	1/2	383	1440	1/2	383	1440	5/8	383	1440	5/8	383			
CIRCLING	1540	1	474	1620	1	554	1920	2 1/2	854	1920	2 3/4	854			



CHANGES - REASONS

1. TERMINAL ROUTE UPDATE: INTERMEDIATE ROUTE CHANGED FROM "BELVE/MHK 13.00 DME TO ADEKE/MHK 6.85 DME" TO "BELVE/MHK 13.00 DME TO ADEKE/I-MHK 6.94 DME". DISTANCE CHANGED FROM 6.15(I-MHK) TO 6.06(I-MHK) - ADEKE MOVED FROM "39-03-23.37N/096-45-38.51W TO 39-03-19.11N, 096-45-42.97W", 0.09 NM SOUTHWEST.
2. MISSED APPROACH UPDATE: LOC CHANGED FROM "0.99 DME" TO "5.96 NM AFTER ADEKE/I-MHK 6.94 DME OR AT I-MHK 0.99 DME" - IAW 8260,19I, PARA 8-6-6.C.(1).
3. ADDED ALTERNATE MISSED APPROACH INSTRUCTIONS: CLIMB TO 2200 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 220 TO INTERCEPT SLN R-080 TO JUXON INT/38.63 SLN DME AND HOLD - PER FPT CHECKLIST.
4. PROFILE LINE 3 UPDATE: ADDED 5.96 TO DIST FAF TO MAP. CHANGE FAF TO THLD FROM 5.86 TO 5.96. CHANGED FAF FROM "ADEKE/MHK 6.85 DME" TO "ADEKE/I-MHK 6.94 DME" - ADEKE MOVED FROM "39-03-23.37N/096-45-38.51W TO 39-03-19.11N, 096-45-42.97W", 0.09 NM SOUTHWEST. FINAL NAVAID IS "ILS-MHK".
5. PROFILE LINE 4 UPDATE: MIN ALT CHANGED FROM "BELVE/MHK 13.00 DME 3800, ADEKE/MHK 6.85 DME 3000" TO "BELVE/MHK 13.00 DME 3800, ADEKE/I-MHK 6.94 DME 3000, PIDME/I-MHK 2.36 DME 1540" - ADEKE MOVED FROM "39-03-23.37N/096-45-38.51W TO 39-03-19.11N, 096-45-42.97W", 0.09 NM SOUTHWEST. ADDED STEPDOWN FIX PIDME AT 1540. FINAL NAVAID IS ILS-MHK.
6. PROFILE LINE 6 UPDATE: CHANGED GS ALT AT PFAF FROM "ADEKE/MHK 6.85 DME 3000" TO "ADEKE/I-MHK 6.94 DME 3000" - ADEKE MOVED FROM "39-03-23.37N/096-45-38.51W TO 39-03-19.11N, 096-45-42.97W", 0.09 NM SOUTHWEST. FINAL NAVAID IS ILS-MHK.
7. REMOVED BACKUP ALTIMETER SETTING AND ASSOCIATED NOTES - MOVED TO -9 AS A CONTINGENCY, IAW 8260.19I, PARA 8-6-9F(3).
8. CHANGED CHART NOTE FROM "CIRCLING NA W OF 3-21" TO "CIRCLING NA NORTHWEST OF RWY 3-21" - PER FPT CHECKLIST.
9. REMOVED CHART NOTE: RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 IS CLEAR/20:1 IS CLEAR.
10. ADDITIONAL FLIGHT DATA UPDATE: ADDED "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE JUXON INT/SLN 38.63 DME, RT, 230 INBOUND" - ALTERNATE INSTRUCTION MA ADDED PER FPT CHECKLIST.
11. ADDITIONAL FLIGHT DATA UPDATE: CHANGED CHART FROM "1460 AAO 390302N/0964504W" TO "1341 TOWER 390259N/0964514W" - NEW 7:1 OBSTACLE EVALUATION.
12. ADDITIONAL FLIGHT DATA UPDATE: ADDED CHART IN PLANVIEW: JUXON INT/SLN 38.63 DME - ALTERNATE MA ADDED.
13. S-ILS 03 ALL CATS DA CHANGED FROM 1256 TO 1257. VIS CHANGED FROM 1 TO 1/2 - ILS MINS RECALCULATION UPDATE.
14. S-LOC 03 ALL CATS MDA/HAT CHANGED FROM 1520/464 TO 1440/383, VIS ALL CATS CHANGED FROM 1 TO 1/2 - NEW LOC FINAL CONTROLLING OBSTACLE UPDATE.
15. CIRCLING MINS UPDATE: CIRCLING CAT A MDA/HAA CHANGED FROM 1600/534 TO 1540/474, CAT B MDA/HAA CHANGED FROM 1700/634 TO 1620/554 - NEW CATS A/B CONTROLLING OBSTACLE UPDATE.
16. ADDITIONAL FLIGHT DATA UPDATE: CHANGED "CHART 1342 ROTATING BEACON 390259N/0964514W" TO "CHART 1341 TOWER 390259N/0964514W" - PER FPT.
17. REMOVED "FOR INOP ALS, INCREASE S-LOC 3 VISIBILITY CAT C AND D TO 1 3/8 SM - TARGETS EVALUATION INOP ALS VISIBILITY UPDATE.
18. CHANGED CHART NOTES FROM "INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 3" TO "INOPERATIVE TABLE DOES NOT APPLY" - NEW TARGETS INOPERATIVE TABLE NOTES EVALUATION UPDATE.
19. ADDITIONAL FLIGHT DATA UPDATE: REMOVED "CHART VDP AT 2.28 DME" AND "DISTANCE VDP TO THLD 1.30 NM" - VDP NOT ESTABLISHED: VDP IS LOCATED WITHIN 0.5 NM FROM FINAL FIX.

06/30/2023 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 06/28/2023
CHANGED ALL REFERNCE ADEKE/I-MHK 6.94 DME TO READ ADEKE/MHK 6.94 DME, AND PIDME/I-MHK 2.36 DME TO PIDME/MHK 2.36 DME
MISSED APPROACH MAP CHANGED LOC: 5.96 NM AFTER ADEKE/I-MHK 6.94 DME OR AT I-MHK 0.99 DME TO READ LOC: 5.96 NM AFTER ADEKE/MHK 6.94 DME OR AT MHK 0.99 DME.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER:

ZKC, MHK ATCT, AMGR

FLIGHT CHECKED BY

PENDING

DEVELOPED BY

KWEKU DONKOR

Digitally signed by

DAVID TEFFETELLER

Jun 30, 2023

APPROVED BY

JOHNNIE BAKER

Digitally signed by

DAVID TEFFETELLER

Jun 30, 2023

Digitally signed by

DAVID TEFFETELLER

Jun 30, 2023

OFFICE	DATE
OFFICE	DATE
AJV-A433	03/13/2023
OFFICE	DATE
AJV-A430	

TITLE

MANAGER

