

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> KMKC	<u>PROCEDURE NAME</u> ILS OR LOC RWY 4	<u>ORIGINAL/AMENDMENT</u> 6	<u>CITY</u> KANSAS CITY	<u>STATE</u> MO		
<u>AIRPORT ELEVATION</u> 757	<u>TDZE</u> 744	<u>SUPERSEDED</u> ILS OR LOC RWY 3	<u>ORIGINAL/AMENDMENT</u> 5A	<u>DATED</u> 05/21/2020	<u>MAG VAR</u> 1E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-GQR	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 OCTOBER 2023	<u>REQUIRED EFFECTIVE DATE</u> 10/5/2023	<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>
TOP VORTAC	IAF	HEPTO/I-GQR 12.65 DME/RADAR					100.75	38.97	3000
OLATH/I-GQR 17.53 DME/RADAR	IAF	HEPTO/I-GQR 12.65 DME/RADAR					035.28	4.88 (I-GQR)	3000
HEPTO/I-GQR 12.65 DME/RADAR	IF	FENEN/I-GQR 5.82 DME/RADAR					035.28	6.83 (I-GQR)	2400

MISSED APPROACH

MAP:

ILS: DA
 LOC: 5.04 NM AFTER FENEN/5.82 DME/RADAR OR AT I-GQR 0.78 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3100 THEN RIGHT TURN HEADING 100 AND ON ANX VORTAC R-295 TO ANX VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 3000 THEN RIGHT TURN HEADING 040 AND ON MCI VORTAC R-089 TO LYMES INT/MCI VORTAC 29.18 DME AND HOLD.

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT HEPTO
- FAC: 035.28 FAF: FENEN/I-GQR 5.82 DME/RADAR DIST FAF TO MAP: 5.04 DIST FAF TO THLD: 5.04
- MIN ALT: HEPTO/I-GQR 12.65 DME/RADAR 3000, FENEN/I-GQR 5.82 DME/RADAR 2400, WIKTU/I-GQR 3.38 DME/RADAR 1560
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 989
- MIN GS INCPT: 2400 GS ALT AT PFAF: FENEN/I-GQR 5.82 DME/RADAR 2400 OM: MM: IM:
- GS ANGLE: 3.00 34:1: 20:1: TCH: 52.2
- MSA FROM: ANX VORTAC 3100

QUALITY
16
CHECKED

EQUIPMENT REQUIREMENTS NOTE:

DME OR RADAR REQUIRED FOR PROCEDURE ENTRY
DME OR RADAR REQUIRED FOR LOC ONLY

NOTES:

CHART NOTE: CIRCLING NA E OF RWY 01-19.
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1013.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TOP VORTAC AIRWAY RADIALS 072 CW 131.
CHART NOTE: CIRCLING NA TO RWY 22.
CHART NOTE: CIRCLING NA FOR CAT D TO RWY 4.
CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART: (CFMCC) AT FTP
CHART PLANVIEW NOTE: LOC OFFSET 2.15 DEGREES.
HOLD SE, RT, 332.93 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E LYMES INT, LT, 269.01 INBOUND.
CHART FAS OBST: 982 ELEVATOR 390522N/0943739W.
CHART VDP AT 2.17 DME.
DISTANCE VDP TO THLD 1.39 NM.
CHART IN PLANVIEW: LYMES INT.
FAC CROSSES RWY C/L EXTENDED 2727 FT FROM THLD.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: CAT A, B 900-2, CAT C, D 900-2 1/2

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 04	1001	4000	257	1001	4000	257	1001	4000	257		NA				
S-LOC 04	1560	5500	816	1560	1 1/4	816	1560	2 1/2	816		NA				
CIRCLING	1560	1	803	1560	1 1/4	803	1560	2 1/2	803	1560	2 1/2	803			
WIKTU FIX MINIMUMS															
S-LOC 04	1240	5500	496	1240	5500	496	1240	1 3/8	496		NA				
CIRCLING	1380	1	623	1400	1	643	1460	2	703	1540	2 1/2	783			



CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM ILS OR LOC RWY 3 TO ILS OR LOC RWY 4 - RWY RENUMBERED.
2. CHANGED INITIAL SEGMENT TOP VORTAC TO HEPTO COURSE/DISTANCE FROM 99.60/39.26 TO 100.75/38.97 AND CHANGE HEPTO I-GQR DITANCE FROM 11.81 TO 12.65 DME - INTERMEDIATE FIX HEPTO MOVED .84 NM NORTHWEST.
3. CHANGED INITIAL SEGMENT OLATHE TO HEPTO COURSE/DISTANCE FROM 35.29/5.72 TO 35.28/4.88 - INTERMEDIATE FIX HEPTO MOVED .84 NM NORTHWEST.
4. CHANGED INTERMEDIATE SEGMENT HEPTO TO FENEN COURSE/DISTANCE FROM 35.29/5.97 TO 35.28/6.83 AND CHANGED FENEN I-GQR DISTANCE FROM 5.84 TO 5.82 DME- FIX HEPTO MOVED .84 NM NORTHWEST.
5. CHANGED LOC MAP: FROM LOC: 5.06 NM AFTER FENEN/5.84 DME/RADAR OR AT I-GQR 0.78 DME TO LOC: 5.04 NM AFTER FENEN/5.82 DME/RADAR OR AT I-GQR 0.78 DME - FENEN FIX LOCATION MOVED 121 FEET NORTHWEST.
6. CHANGED MISSED APPROACH INSTRUCTIONS FROM CLIMB TO 3000 ON HEADING 035 AND ON ANX VORTAC R-295 TO ANX VORTAC AND HOLD TO CLIMB TO 3100 THEN RIGHT TURN ON HEADING 100 AND ON ANX VORTAC R-295 TO ANX VORTAC AND HOLD - UPDATED OBS EVALUATION, NO CHANGE IN GROUND TRACK.
7. UPDATED PROFILE LINE 3: FAC CHANGED FROM 35.29 TO 35.28, FAF CHANGED FROM FENEN/I-GQR 5.84 DME/RADAR TO FENEN/I-GQR 5.82 DME/RADAR, DISTANCE FAF TO MAP AND DISTANCE FAF TO THLD FROM 5.06 TO 5.04 - FAF FENEN MOVED 121 FEET NORTHWEST, ILS COURSE AND TCH UPDATED.
8. UPDATED PROFILE LINE 4 MIN ALT FROM HEPTO/I-GQR 11.81 DME/RADAR 3000, FENEN/I-GQR 5.84 DME/RADAR 2400, WIKTU/I-GQR 3.38 DME/RADAR 1560* TO HEPTO/I-GQR 12.65 DME/RADAR 3000, FENEN/I-GQR 5.82 DME/RADAR 2400, WIKTU/I-GQR 3.38 DME/RADAR 1560 - UPDATED DME DISTANCES AND DELETED ASTERISKS.
9. UPDATED GS ANT FROM 988 TO 989 - UPDATED EVALUATION.
10. UPDATED GS ALT AT FAF FROM FENEN/I-GQR 5.84 DME/RADAR 2400 TO FENEN/I-GQR 5.84 DME/RADAR 2400 - UPDATED DME DISTANCE.
11. UPDATED TCH FROM 44.1 TO 52.2 - RWY 4 DESIGN TCH IN USE.
12. UPDATED CHART NOTE FROM CIRCLING NA TO RWY 21 TO CIRCLING NA TO RWY 22 - RWY RENUMBERED.
13. UPDATED CHART NOTE FROM CIRCLING NA FOR CAT D TO RWY 3 TO CIRCLING NA FOR CAT D TO RWY 4 - RWY RENUMBERED.
14. UPDATED CHART NOTE FROM RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED TO RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED - RWY RENUMBERED.
15. UPDATED ADDITIONAL FLIGHT DATA VDP DME FROM 2.18 TO 2.17 AND DISTANCE VDP TO THLD FROM 1.40 TO 1.39 - UPDATED FAF DATA.
16. CHANGED S-ILS 04 ALL CATS DA/HAT FROM 994/250 TO 1001/257 - WITH NEW DESIGN TCH OF 52.2 THE DA NEEDED TO BE RAISED IAW 8260.3E PARA 10-2-1.B OFFSET COURSE MUST INTERSECT THE RUNWAY CENTERLINE AT A POINT NO CLOSER THAN 1100 FEET INSIDE THE DA POINT.
17. CHANGED S-LOC 04 CAT B VIS FROM 6000 TO 1 1/4 - UPDATED VIS CHECK DATA.
18. CHANGED PLANVIEW NOTE FROM PROCEDURE NA FOR ARRIVALS ON TOP VORTAC AIRWAY RADIALS 072 CW 131 TO PROCEDURE NA FOR ARRIVAL ON TOP VORTAC AIRWAY RADIALS 072 CW 131 - FORMATTING CHANGE.
19. DELETED NOTE *LOC ONLY - NO LONGER REQUIRED BY CRITERIA.
20. DELETED DME ONLY FROM STEPDOWN FIX MINIMUMS - DME IS PAIRED.
21. CHANGED ALTERNATE MISSED APPROACH INSTRUCTIONS FROM CLIMB TO 3000 ON HEADING 035 AND MCI VORTAC R-089 TO LYMES INT/MCI VORTAC 29.18 DME AND HOLD TO CLIMB TO 3000 THEN RIGHT TURN HEADING 040 AND ON MCI VORTAC R-089 TO LYMES INT/MCI VORTAC 29.18 DME AND HOLD - UPDATED OBS EVALUATION, NO CHANGE IN GROUND TRACK.
22. REMOVED PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - RWY 4 VGSI REMOVED.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZKC, MCI APP CON, MKC ATCT, AMGR

FLIGHT CHECKED BY

GREGORY MILLS

DEVELOPED BY

GUY COPELAND

APPROVED BY

JOHNNIE BAKER

Digitally signed by

DAVID TEFFETELLER

May 17, 2023

Digitally signed by

DAVID TEFFETELLER

May 17, 2023

OFFICE

FIOG

DATE

07/07/2023

OFFICE

AJV-A433

DATE

04/03/2023

OFFICE

AJV-A430

DATE**TITLE**

MANAGER