

**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</u> BATTEN INTL	<u>AIRPORT ID</u> KRAC	<u>PROCEDURE NAME</u> ILS OR LOC RWY 4	<u>ORIGINAL/AMENDMENT</u> 6	<u>CITY</u> RACINE	<u>STATE</u> WI
<u>AIRPORT ELEVATION</u> 674	<u>TDZE</u> 668	<u>SUPERSEDED</u> ILS OR LOC RWY 4	<u>ORIGINAL/AMENDMENT</u> 5	<u>DATED</u> 06/22/2017	<u>MAG VAR</u> 2W
<u>FACILITY</u> I-RAC	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

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>
FIXAX/HRK 12.33 DME/RADAR	IF	PASER/HRK 6.34 DME	PFAF				041.12	6.00 (I-RAC)	2600

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.93 NM AFTER PASER OR AT HRK 0.42 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 059.87 AND BAE VOR/DME R-119.00 TO PETTY INT/BAE 33.50 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. PROFILE STARTS AT FIXAX
3. **FAC:** 041.12 **PFAF:** PASER/HRK 6.34 DME **DIST PFAF TO MAP:** 5.93 **DIST PFAF TO THLD:** 5.93
4. **MIN ALT:** FIXAX/HRK 12.33 DME/RADAR 2600, PASER/HRK 6.34 DME 2600
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 849
6. **MIN GS INCPT:** 2600 **GS ALT AT PFAF :** 2600 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 42.3
8. **MSA FROM:** KRAC 2900

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY
DME REQUIRED

NOTES:

CHART NOTE: CIRCLING RWY 14 NA AT NIGHT.
CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 4.



CHART PROFILE NOTE: GS UNUSABLE BELOW 837 FEET.
CHART NOTE: DME FROM HRK DME. SIMULTANEOUS RECEPTION OF I-RAC AND HRK DME REQUIRED.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
FICTITIOUS THRESHOLD POINT (CFBHD) DO NOT CHART.
CHART PLANVIEW NOTE: LOC OFFSET 2.19 DEGREES.
CHART VDP AT 1.99 DME*
DISTANCE VDP TO THLD 1.59 NM
* LOC ONLY
CHART FAS OBST: 1091 WINDMILL 424240N/0875317W.
FAC CROSSES RWY C/L EXTENDED 2873 FT FROM THLD.
HOLD SE, RT, 299.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>												
S-ILS 04	923	3/4	255	923	3/4	255	923	3/4	255	923	3/4	255			
S-LOC 04	1220	3/4	552	1220	3/4	552	1220	1 3/8	552	1220	1 3/8	552			
CIRCLING	1220	1	546	1220	1	546	1380	2	706	1380	2 1/4	706			



CHANGES - REASONS

1. REMOVED BACK-UP ALTIMETER NOTE - PER 8260-19H, PARA. 8-6-9F(3): MOVED TO FORM 8260-9 REMARKS BLOCK AND LISTED AS A CONTINGENCY NOTE.
2. REMOVED "FOR INOP ALS" NOTE - ILS ALL CATS VISIBILITY ALREADY AT NO-LIGHTS DISTANCE DUE TO 34:1 PENETRATIONS.
3. ADDED EQUIPMENT REQUIREMENTS NOTES "RADAR REQUIRED FOR PROCEDURE ENTRY" AND "DME REQUIRED - PER 8260.19H, PARA. 8-6-9G(2) AND 8-6-8A(2)(A) . BUU VOR/DME DECOMMISSIONED WITH NO SUITABLE NAVAID REPLACEMENT DUE TO EXCESSIVE FIX ERROR AT PFAF.
4. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2600 ON HEADING 200 AND BUU VOR/DME R-093 TO PASER INT AND HOLD" TO "CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 059.87 AND BAE VOR/DME R-119.00 TO PETTY INT/BAE 33.5 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000." - BUU VOR/DME DECOMMISSIONED AND FC REJECTED CURRENT MISSED APCH FOR FLYABLITY DIFFICULTIES.
5. REMOVED BUU VOR/DME AND CROSSING RADIALS 093 AND 112 - BUU VOR/DME DECOMMISSIONED.
6. ADDED BAE VOR/DME AND ASSOCIATED RADIAL R-149 - REPLACES BUU VOR/DME R-093 FOR MISSED APPROACH GUIDANCE.
7. CHANGED IF FIXAX AND PFAF PASER FROM AN INT FIX TO A DME FIX - BUU VOR/DME CROSSING RADIALS 093 AND 112 REMOVED.
8. REMOVED NOTE "RADAR REQUIRED" - REPLACED BY EQUIPMENT REQUIREMENTS NOTE "RADAR REQUIRED FOR PROCEDURE ENTRY."
9. ADDED VDP AT 1.99 DME/1.59 NM FROM THLD - DME SOURCE ADDED TO APPROACH.
10. ALTERNATE MINIMUMS UPDATED - PER NEW CRITERIA IN 8260.3C, PARA. 3-4-1.
11. ADDED NOTE "INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 4 - ILS ALL CATS VISIBILITY ALREADY AT NO-LIGHTS DISTANCE DUE TO 34:1 PENETRATIONS.
12. CHANGED TCH FROM 42.4 TO 42.3 - AIRNAV TCH 42.394 WAS TRUNCATED TO 42.3 IN IAPA AND USED FOR PROCEDURE DEVELOPMENT PER CRITERIA MEMO 262, ATTACHMENT 2, PARA. 4 DATED 03/21/2018. NO IMPACT ON PROCEDURE.

07/10/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/23/18.

1. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2600 ON HEADING 200 AND BAE VOR/DME R-149.24 TO PASER/HRK 6.34 DME AND HOLD" TO "CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2600 ON HEADING 200 AND BAE VOR/DME R-145.24 TO PASER INT/HRK 6.34 DME AND HOLD" - ADDED BAE VOR/DME R-145 CROSSING RADIAL TO FIX PASER FOR MISSED APPROACH HOLDING ONLY. THE FAF WILL REMAIN DME ONLY DUE TO EXCESSIVE FIX DISPLACEMENT. PER FLIGHT INSPECTION.
2. CORRECTED LINE 8. MSA FROM: 2900 TO 8. MSA FROM: KRAC 2900 - MSA ORIGINATES FROM ARP DUE TO NO SUITABLE OMNI-DIRECTIONAL FACILITIES.

08/21/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/23/18.

1. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2600 ON HEADING 200 AND BAE VOR/DME R-145.24 TO PASER INT/HRK 6.34 DME AND HOLD" TO "CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 059.87 AND BAE VOR/DME R-119.00 TO PETTY INT/BAE 33.5 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000." - PREVIOUS MISSED APPROACH REJECTED BY FLIGHT INSPECTION. COORDINATION COMPLETED WITH ATC/FPT.
2. MODIFIED CHANGES-REASONS #4 TO REFLECT MISSED APPROACH CHANGE FROM INITIAL SUBMISSION.
3. CHANGED HOLDING INSTRUCTIONS IN ADDITIONAL FLIGHT DATA FROM "HOLD SW, RT, 041.12 INBOUND" TO "HOLD SE, RT, 299.00 INBOUND."



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZAU ARTCC, MKE APP CON, AMGR

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by
ROBERT G HAMILTON
Sep 27, 2018

OFFICE

FICO

DATE

9/16/18

DEVELOPED BY

RALPH DUMAR

Digitally signed by
RALPH DUMAR
Aug 31, 2018

OFFICE

AJV-5422

DATE

03/23/2018

APPROVED BY JULIE

MORGAN

Digitally signed by
ROBERT G HAMILTON
Sep 27, 2018

OFFICE

AJV-5420

DATE

TITLE
MANAGER

