

**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> FAI/PAFA	<u>PROCEDURE NAME</u> ILS OR LOC RWY 2L ILS RWY 2L (SA CAT I) ILS RWY 2L (CAT II) ILS RWY 2L (CAT III)		<u>ORIGINAL/AMENDMENT</u> 12	<u>CITY</u> FAIRBANKS	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 439	<u>TDZE</u> 439	<u>SUPERSEDED</u> ILS OR LOC RWY 2L ILS RWY 2L (SA CAT I) ILS RWY 2L (CAT II) ILS RWY 2L (CAT III)	<u>ORIGINAL/AMENDMENT</u> 11	<u>DATED</u> 10/05/2023	<u>MAG VAR</u> 15E
<u>FACILITY</u> I-CNA	<u>COORDINATES OF FACILITIES</u>		<u>ACTUAL EFFECTIVE DATE</u> 3 SEPTEMBER 2026	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
GLOWS	IAF	CILAX/I-CNA 17.02 DME		TF	FB	1.00	346.93	10.19	2600
CILAX/I-CNA 17.02 DME	IF	CACHE INT/I-CNA 7.02 DME					023.05 (I-CNA)	10.00	2100

MISSED APPROACH

MAP:

ILS: DA
LOC: I-CNA 1.98 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 170 AND FAI VORTAC R-107 TO KRNL/FAI 13.03 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 4000 DIRECT CUN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000 (ADF REQUIRED).

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT	CILAX/I-CNA 17.02 DME				
3. FAC:	023.05	FAF:	CACHE INT/I-CNA 7.02 DME	DIST FAF TO MAP:	DIST FAF TO THLD: 5.05
4. MIN ALT:	CILAX/I-CNA 17.02 DME 2600, CACHE INT/I-CNA 7.02 DME 2100, WOBEM/I-CNA 3.28 DME 900				
5. DIST TO THLD FROM OM:		MM:	IM: 984.00	100 HAT:	896
6. MIN GS INCPT:	2100	GS ALT AT PFAF:	CACHE INT/I-CNA 7.02 DME 2100	150 HAT:	1849
7. GS ANGLE:	3.00	34:1:	20:1:	TCH:	55.9
8. MSA FROM:	FAI VORTAC 4500				
				GS ANT:	1050
				OM:	
				MM:	
				IM:	544



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 2L: CAT A, B, C, D, RA 159, RVR 1400, HAT 150, DA 589 MSL
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 2L: CAT A, B, C, D, RA 103, RVR 1200, HAT 100, DA 539 MSL
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 2L: CAT A, B, C, D, RVR 600
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
CHART NOTE: CIRCLING NA WEST OF RWY 2L-20R.
CHART NOTE: CIRCLING NA TO RWYS 2W AND 20W.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 2L CAT E VISIBILITY TO RVR 4000 AND S-LOC 2L CAT C/D/E VISIBILITY TO RVR 5500.
CAT II CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 286.67 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E CUN NDB, LT, 251.97 INBOUND.
CHART FAS OBST: 535 TREE (02-123759) 644735N/1475418W.
CHART IN PLANVIEW: CUN NDB.
CHART AT OR BELOW 10000 AND AT OR ABOVE 5000 AT GLOWS.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT E 800-2 1/4

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 02L	639	1800	200	639	1800	200	639	1800	200	639	1800	200	639	1800	200
S-LOC 02L	800	2400	361	800	2400	361	800	3500	361	800	3500	361	800	3500	361
CIRCLING	880	1	441	900	1	461	900	1 1/2	461	1020	2	581	1080	2 1/4	641

CHANGES - REASONS

1. TERMINAL ROUTES: CILAX TO CACHE, CHANGED COURSE FROM 023.04 TO 023.05 - UPDATE TO I-CNA ILS FRONT COURSE IN AIRNAV DATA.
2. MISSED APPROACH INSTRUCTIONS: CHANGED FIX DESCRIPTION FOR KRNLK FROM "FAI 13.00 DME" TO "FAI 13.03 DME" - NEW DME CALCULATION.
3. PROFILE LINE 2: CHANGED CILAX TO CILAX/I-CNA 17.02 DME - ADDED FULL FIX DESCRIPTION, 8260.19K PARA 8-2-6.D.
4. PROFILE LINE 3: CHANGED FAC FROM 023.04 TO 023.05 - UPDATE TO I-CNA ILS FRONT COURSE IN AIRNAV DATA.
5. PROFILE LINE 3: ADDED DIST FAF TO THLD 5.05 - 8260.19K PARA 8-6-7.C.(4).
6. PROFILE LINE 4: REMOVED "INT" FROM WOBEM FIX DESCRIPTION - FAI VORTAC REMOVED FROM FIX MAKE-UP, MINIMUM ALTITUDE AT FIX IS 600 FT BELOW ELEVATION OF VORTAC.
7. PROFILE LINE 5: CHANGED "DIST TO THLD FROM 100 HAT" FROM 897 TO 896 AND "DIST TO THLD FROM 150 HAT" FROM 1850 TO 1849 - NEW EVALUATION AND CALCULATION.
8. PROFILE LINE 8: CHANGED MSA ALTITUDE FROM 4400 TO 4500 - NEW CONTROLLING OBSTACLE.
9. DELETED EQUIPMENT REQUIREMENTS NOTE "DME REQUIRED" - RNAV IS REQUIRED FOR THE ONLY PROCEDURE ENTRY AT GLOWS, WHICH MAKES THE ENTIRE PROCEDURE RNAV-REQUIRED, SO RNAV CAN ALWAYS BE USED TO IDENTIFY ALL THE DME FIXES. DME CAN STILL BE USED, BUT IS NOT REQUIRED.
10. NOTES: SA CAT I ILS CERTIFICATION NOTE, CHANGED RA FROM 139 TO 159 - NEW TERRAIN EVALUATION.
11. NOTES: CAT II ILS CERTIFICATION NOTE, CHANGED RA FROM 104 TO 103 - NEW TERRAIN EVALUATION.
12. NOTES: DELETED "CHART SPEED ICON IN PLANVIEW AT GLOWS: MAX 240 KIAS" - ATC AND FPT REQUEST.
13. ADDITIONAL FLIGHT DATA: CHANGED "CHART MANDATORY 5000 AT GLOWS" TO "CHART AT OR BELOW 10000 AND AT OR ABOVE 5000 AT GLOWS" - ATC AND FPT REQUEST.
14. ADDITIONAL FLIGHT DATA: DELETED "CHART CIRCLING ICON" - NO LONGER REQUIRED.
15. MINIMUMS: INCREASED CIRCLING CAT E MDA/HAA FROM 1060/621 TO 1080/641 - NEW CONTROLLING OBSTACLE.



