

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><br>PAFA       | <u>PROCEDURE NAME</u><br>ILS Z OR LOC Z RWY 20R<br>ILS Z RWY 20R (SA CAT I),<br>ILS Z RWY 20R (SA CAT II) | <u>ORIGINAL/AMENDMENT</u><br>25C                                                              | <u>CITY</u><br>FAIRBANKS                  | <u>STATE</u><br>AK         |                       |                           |  |
| <u>AIRPORT ELEVATION</u><br>439 | <u>TDZE</u><br>439                                                                                        | <u>SUPERSEDED</u><br>ILS OR LOC RWY 20R<br>ILS RWY 20R (SA CAT I),<br>ILS RWY 20R (SA CAT II) | <u>ORIGINAL/AMENDMENT</u><br>25B          | <u>DATED</u><br>11/08/2018 | <u>MAG VAR</u><br>15E | <u>EPOCH YEAR</u><br>2025 |  |
| <u>FACILITY</u><br>I-FAI        | <u>COORDINATES OF FACILITIES</u>                                                                          | <u>ACTUAL EFFECTIVE DATE</u><br>12 AUGUST 2021                                                | <u>REQUIRED EFFECTIVE DATE</u><br>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> |
|---------------------------|-----------------|---------------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| CUN NDB                   |                 | ZUREP/I-FAI 17.01 DME     |                 |                 |              |            | 345.16        | 11.06           | 5000            |
| FAI VORTAC                |                 | ZUREP/I-FAI 17.01 DME     |                 |                 |              |            | 024.32        | 19.09           | 5000            |
| MUSHR                     | IAF             | ZUREP/I-FAI 17.01 DME     | NOPT            | TF              | FB           | 1.00       | 153.49        | 8.35            | 4200            |
| ZUREP/I-FAI 17.01 DME     | IF/IAF          | OHECY INT/I-FAI 13.13 DME |                 |                 |              |            | 203.08        | 3.88 (I-FAI)    | 3600            |
| OHECY INT/I-FAI 13.13 DME |                 | CIGNI INT/I-FAI 11.13 DME |                 |                 |              |            | 203.08        | 2.00 (I-FAI)    | 3400            |

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: RW20R OR AT I-FAI 2.01 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 ON FAI VORTAC R-107 TO KRNL/FAI VORTAC 13.00 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

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



AIRPORT ID  
PAFA

PROCEDURE NAME  
ILS Z OR LOC Z RWY 20R  
ILS Z RWY 20R (SA CAT I),  
ILS Z RWY 20R (SA CAT II)

ORIGINAL/AMENDMENT  
25C

CITY  
FAIRBANKS

STATE  
AK

**PROFILE:**

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

2. HOLD NE ZUREP, LT, 203.08 INBOUND, 4200 FT. IN LIEU OF PT (IAF), MAX 5000.

3. FAC: 203.08                      FAF: CIGNI INT/I-FAI 11.13 DME                      DIST FAF TO MAP:                      DIST FAF TO THLD: 9.12

4. MIN ALT:                      ZUREP/I-FAI 17.01 DME 4200, OHECY INT/I-FAI 13.13 DME 3600, CIGNI INT/I-FAI 11.13 DME 3400, HOSAN INT/I-FAI 6.81 DME 2020\*

5. DIST TO THLD FROM FAF: 9.12                      MM:                      IM:                      100 HAT: 1038                      150 HAT: 1801                      GS ANT: 1065

6. MIN GS INCPT: 3400                      GS ALT AT FAF : CIGNI INT/I-FAI 11.13 DME 3400                      OM:                      MM:                      IM:

7. GP ANGLE: 3.00                      34:1:                      20:1:                      TCH: 55.7

8. MSA FROM: FAI VORTAC 4500

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.  
DME REQUIRED FOR PROCEDURE ENTRY.

**NOTES:**

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 20R: CAT A, B, C, D, RA 149, RVR 1400, HAT 150, DA 589 MSL.  
SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 20R: CAT A, B, C, D, RA 99, RVR 1200, HAT 100, DA 539 MSL.  
CHART NOTE: CIRCLING NA W OF RWY 2L-20R.  
SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.  
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PROFILE NOTE: USE I-FAI DME WHEN ON THE LOCALIZER COURSE.  
CHART NOTE: CIRCLING NA TO RWYS 2W AND 20W.  
CHART NOTE: FOR INOPERATIVE ALS INCREASE S-ILS 20R CAT E VISIBILITY TO RVR 4000, INCREASE S-LOC 20R CAT E VISIBILITY TO 1 3/8 SM.  
CHART PLANVIEW NOTE ADJACENT TO MUSHR: GPS REQUIRED.  
CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

**ADDITIONAL FLIGHT DATA:**

1758 AAO 645616N/1473541W.  
800 AAO 645356N/1474415W  
CHART FAS OBST: 630 TOWER (02-020202) 645147N/1474515W.  
HOLD E, RT, 286.67 INBOUND.  
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E CUN NDB, LT, 251.97 INBOUND.  
CHART VDP AT 3.16 DME  
DISTANCE VDP TO THLD 1.15 NM.  
CHART IN PLANVIEW: CUN NDB.  
CHART CIRCLING ICON.



**MINIMUMS:**

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

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

| <b>CATEGORY:</b>  | <b>A</b>      |            |                | <b>B</b>      |            |                | <b>C</b>      |            |                | <b>D</b>      |            |                | <b>E</b>      |            |                |
|-------------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|
| <b>FINAL TYPE</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> |
| S-ILS 20R**       | 639           | 2400       | 200            | 639           | 2400       | 200            | 639           | 2400       | 200            | 639           | 2400       | 200            | 639           | 2400       | 200            |
| S-LOC 20R         | 880           | 2400       | 441            | 880           | 2400       | 441            | 880           | 4500       | 441            | 880           | 4500       | 441            | 880           | 4500       | 441            |
| CIRCLING          | 880           | 1          | 441            | 900           | 1          | 461            | 900           | 1 1/2      | 461            | 1020          | 2          | 581            | 1060          | 2 1/4      | 621            |

**CHANGES - REASONS**

1. CHANGED FINAL INBOUND COURSE ZUREP TO OHECY AND OHECY TO CIGNI FROM 200.08 TO 203.08 - FAI ILS MAGVAR CHANGED FROM 18E 2020 TO 15E 2025.
2. CHANGED INITIAL COURSE FROM MUSHR TO ZUREP FROM 150.49 TO 153.49 - FAI AIRPORT MAGVAR CHANGED FROM 18E 2020 TO 15E 2025.
3. ADDED DISTANCE FROM 150 HAT TO THRESHOLD 1801 FT- DATA IS REQUIRED FOR SA CAT 1 PROCEDURE TYPE.
4. CHANGED PROCEDURE NAME FROM ILS OR LOC RWY 20R, ILS RWY 20R (SA CAT I) AND ILS RWY 20R (SA CAT II) TO ILS Z OR LOC Z RWY 20R, ILS Z RWY 20R (SA CAT I) AND ILS Z RWY 20R (SA CAT II) - PROCEDURE SHARES LATERAL GUIDANCE TYPE WITH THE HI ILS Y OR LOC Y RWY 20R, 8260.3D 1-6-2 B AND D.
5. UPDATED SA CAT I CHART NOTE FROM REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH TO REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL - NOTE NO LONGER REQUIRES THE PHRASE AND USE OF HUD TO DH.
6. ADDED OBSTACLE NUMBER TO FAS OBSTACLE IN ADDITIONAL FLIGHT DATA - NEW DOCUMENTATION REQUIREMENT PER 8260.19I.
7. UPDATED MISSED APPROACH MAP FROM LOC: I-FAI 20.01 DME TO RW20R OR AT I-FAI 2.01 DME - IAW 8260.19 8-6-6 C. (1).
8. ADDED DIST TO THLD FROM FAF 9.12 ON LINE 5 IN PROFILE - 8260.19 8-6-7 E.

PDF EDIT: 3/17/2021

ADDED \*\* AFTER S-ILS 20R IN THE MINIMUMS SECTION FOR THE 1800 RVR MINIMUMS NOTE.

**COORDINATED WITH:****A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, FAI APP CON, AMGR, ST. AV. DIR., ATA**FLIGHT CHECKED BY**PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED**OFFICE****DATE***Digitally signed by***DEVELOPED BY**

JEROME A. MCCULLOUGH

*Digitally signed by***JEROME A MCCULLOUGH****MARK D ADAMS**

Jun 24, 2021

**OFFICE**

AJV-A412

**DATE**

02/01/2021

**APPROVED BY**

JULIE MORGAN

*Digitally signed by***MARK D ADAMS**

Jun 24, 2021

**OFFICE**

AJV-A410

**DATE****TITLE**

MANAGER

QUALITY  
8  
CHECKED