

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, 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 in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE		ALTITUDE		ILS: DA LOC: I-CNA 1.98 DME							
FAI VORTAC		CACHE INT/I-CNA 7.02 DME		155.82 / 3.73		3200		CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 170 AND FAI VORTAC R-107 TO KRNL/FAI 13.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ALTERNATE MA (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). 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 644735N/1475418W. CHART IN PLANVIEW: CUN NDB. CHART 3000 PRIOR TO CACHE IN PROFILE. CHART CIRCLING ICON. CHART MAXIMUM 6000 AT CACHE							
CUN NDB		CACHE INT/I-CNA 7.02 DME		228.39 / 14.40		3800									
GLOWS INT/FAI 22.70 DME (IAF)		CILAX/I-CNA 17.28 DME (NOPT)		325.00 / 7.27 & 020.05 / 3.85 (I-CNA)		2600									
CILAX/I-CNA 17.28 DME (IF)		CACHE INT/I-CNA 7.02 DME		020.05 / 10.25 (I-CNA)		2100									
1. PT <u>L</u> SIDE OF COURSE <u>200.05</u> OUTBOUND <u>2600</u> FT WITHIN <u>15</u> MILES OF <u>CACHE</u> (IAF)										MAG VAR: 18E EPOCH YEAR: 2020					
2.															
3. FAC: <u>020.05</u> FAF: <u>CACHE INT/I-CNA 7.02 DME</u> DIST FAF TO MAP: <u> </u> THLD: <u>5.05</u>															
4. MIN. ALT: <u>CACHE 2100, WOBEM INT/I-CNA 3.28 DME 900*</u>															
5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>985</u> 150 HAT: <u>1850</u> 100 HAT: <u>897</u> GS ANT: <u>1050</u>															
6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>CACHE 2100</u> OM: <u>-</u> MM: <u>-</u> IM: <u>583</u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>55.9</u>															
8. MSA FROM: <u>FAI VORTAC 4500</u>															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/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	1060	2 1/4	621
NOTES: SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 2L: CAT A, B, C, D, RA 139, 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 104, RVR 1200, HAT 100, DA 539 MSL. (CONTINUED ON PAGE 2)															
CITY AND STATE FAIRBANKS, AK		ELEVATION: 439 TDZE: 439 AIRPORT NAME: FAIRBANKS INTL		FACILITY IDENTIFIER: I-CNA		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 2L, AMDT 10A; ILS RWY 2L (SA CAT I), ILS RWY 2L (CAT II), ILS RWY 2L (CAT III)						SUP: AMDT: 10 DATED 12/10/2015			

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
				ROUTINE	
COORDINATED WITH:					
ATA	AAT	ALPA	APA	AOPA	NBAA
<div><input checked="" type="checkbox"/></div>	<div><input type="checkbox"/></div>	<div><input checked="" type="checkbox"/></div>	<div><input type="checkbox"/></div>	<div><input checked="" type="checkbox"/></div>	<div><input checked="" type="checkbox"/></div>
OTHER (specify) ZAN, FAI APP CON, AMGR, ST. AV. DIR., FAI ATCT					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
JACOB A. POWERS (IVAN BLANCO)				AJV-5432	08/03/2017
APPROVED BY					
NAME:				FIFO	DATE:
PATRICK MULQUEEN				AJV-5430	
MANAGER					
CHANGES:					
<div>1. UPDATED COURSE ON TERMINAL ROUTE CUN NDB TO CACHE INT FROM 224.39 TO 228.39.</div> <div>2. UPDATED ALTERNATE MA HOLDING INBOUND COURSE FROM 247.97 TO 251.97.</div> <div>3. UPDATED CHART NOTE FROM: FOR INOPERATIVE ALSF2, INCREASE S-ILS 2L CAT E VISIBILITY TO RVR 4000 AND S-LOC 2L CAT C/D/E VISIBILITY TO 1 3/8 MILE TO: 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.</div> <div>4. REMOVED ADDITIONAL FLIGHT DATA NOTE: CHART (CNFRQ) AT INTERSECTION OF GLOWS DR LEG AND INTERMEDIATE COURSE.</div> <div>5. DELETED "OR AS DIRECTED BY ATC" FROM MA INSTRUCTIONS.</div> <div>6. REMOVED WOBEM FIX MINIMUMS.</div> <div>7. DELETED WOBEM FIX ALS INOP NOTE.</div> <div>8. CHANGED LOC MA FIX DESCRIPTION FROM LOC: 5.05 NM AFTER CACHE INT/I-CNA 7.02 DME OR AT I-CNA 1.98 DME TO I-CNA 1.98.</div> <div>9. CHANGED CAT C CIRCLING CONTROLLING OBSTACLE FROM 579 TREE TO 598 TOWER.</div>					
REASONS:					
<div>1, 2. CUN NDB MAG VAR ROTATION FROM E21/2010 TO E17/2020.</div> <div>3-4. IAW CURRENT CRITERIA REQUIREMENTS.</div> <div>5. NO LONGER REQUIRED.</div> <div>6- 7. DME IS REQUIRED, ONLY ONE LINE OF MINIMUMS SHOULD BE PUBLISHED.</div> <div>8. LONG DESCRIPTION NOT REQUIRED.</div> <div>9. OBSTACLE DATABASE CHANGE.</div>					



**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29**

Bearings, headings, courses, 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 in feet RVR.

NOTES, (CONT.):

CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 2L: CAT III CAT A, B, C, D, RVR 600.

CHART NOTE: CIRCLING NA NW OF RWY 2L-20R.

CHART NOTE: DME REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

***LOC ONLY**

SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.

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.

QUALITY
18
CHECKED

CITY AND STATE

FAIRBANKS, AK

ELEVATION: 439**TDZE: 439**

AIRPORT NAME:

FAIRBANKS INTL

FACILITY
IDENTIFIER:
I-CNA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

**ILS OR LOC RWY 2L, AMDT 10A; ILS RWY 2L (SA CAT I),
ILS RWY 2L (CAT II), ILS RWY 2L (CAT III)**

SUP:

AMDT: **10**DATED: **12/10/2015**

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>
OTHER (specify) <input type="checkbox"/> _____					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.	
FEEDER	FAI VORTAC	CACHE INT/I-CNA	1. AAO	644742.00N/1480830.00W	1870 (4E)	1000		2900	
		7.02 DME	2. TERRAIN	644742.00N/1480830.00W	1670 (1700)		AS1500	3200	
FEEDER	CUN NDB	CACHE INT/I-CNA	3. AAO	645229.20N/1480352.10W	2600 (5E)	2000	AT100 SA-900	3800	
		7.02 DME	4. TERRAIN	644800.00N/1480048.00W	1506 (1500)		AS1500	3000	
INITIAL	GLOWS INT/FAI	CILAX/I-CNA	5. AAO	642818.00N/1480530.00W	1277 (4E)	1000		2300	
	22.70 DME	17.28 DME	6. TERRAIN	642818.00N/1480530.00W	1077 (1100)		AS1500	2600	
INTERMEDIATE	CILAX/I-CNA 17.28	CACHE INT/I-CNA	7. AAO	643336.00N/1480830.00W	659 (4E)	500	AT843 AC98	2100	
	DME	7.02 DME	8. TERRAIN	643424.00N/1480736.00W	460 (500)		AS1500	2000	
INTERMEDIATE: PT	15 NM	CACHE INT/I-CNA	9. AAO	643024.00N/1481500.00W	698 (4E)	500	AC98 AT804	2100	
		7.02 DME	10. TERRAIN	643024.00N/1481500.00W	498 (500)		AS1500	2000	
FINAL: ILS	CACHE INT/I-CNA	RW02L				ASC		639/200	
	7.02 DME								
ENTRY ZONE			13. AAO	644800.00N/1480054.00W	1697 (4E)	1000		2700	
			14. TERRAIN	644800.00N/1480054.00W	1497 (1500)		AS1500	3000	
2. PROCEDURE TURN	CACHE	15 NM	15. AAO	642818.00N/1480530.00W	1277 (4E)	1000		2300	
			16. TERRAIN	642818.00N/1480530.00W	1077 (1100)		AS1500	2600	
3. MISSED APPROACH	MAP: DA / DA / DA /	KRNL/FAI 13.00				ASC		5000	
	I-CNA 1.98 DME	DME	17. AAO	643845.00N/1474818.00W	919 (4E)	1000		2000	
	ELEV: 468/550		18. TERRAIN	643845.00N/1474818.00W	719 (700)		AS1500	2200	
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.							
CATEGORY A	1.3 NM	REQUIRED 350	ACTUAL 441	19. TOWER (02-020190)	645017.41N/1474823.32W	579 (2C)	300	880	
CATEGORY B	1.5 NM	450	461	19. TOWER (02-020190)	645017.41N/1474823.32W	579 (2C)	300	HAA 900	
CATEGORY C	1.7 NM	450	461	20. TOWER (02-023015)	645015.61N/1474514.91W	598 (2C)	300	900	
CATEGORY D	2.3 NM	550	581	21. AAO	644806.46N/1474152.77W	709 (2C)	300	1020	
CATEGORY E	4.5 NM	550	621	22. AAO	645331.53N/1474523.51W	750 (2C)	300	1060	
5. MINIMUM SAFE ALTITUDES	PRIMARY NAVAID: FAI VORTAC								
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	337/25.2	3407 (6C)	4500					
CITY AND STATE	ELEVATION: 439	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION					
FAIRBANKS, AK	AIRPORT NAME: FAIRBANKS INTL	I-CNA	ILS OR LOC RWY 2L, AMDT 10A; ILS RWY 2L (SA CAT I) , ILS RWY 2L (CAT II) , ILS RWY 2L (CAT III)	AAL					

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: VDP NOT ESTABLISHED - VDP IS LESS THAN 0.5 NM AFTER STEPDOWN FIX. THRESHOLD DISPLACED 750'. PRECIPITOUS TERRAIN EVALUATION COMPLETED. ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.82NM CAT C: 2.86NM CAT D: 3.74NM CAT E: 4.67NM SEE ATTACHED AIRSPACE LETTER. MAGVAR 18E IS BASED ON DEC 31, 2016 EPOCH YEAR ILS TABLE, PER AFS FOR FLIGHT SAFETY. 60' TREES USED PER FPT. OBST #3 LOCATED 3.76 NM INTO SECONDARY AREA. VGSI DATA 3.00/73.4 PAFA ASOS ON WMSCR NETWORK. MISSED APPROACH OBSTACLES CONT. ALTERNATE: ASC 4000 22. AAO 645209.80N/1473519.50W 1350 (6C) 1000 2400 23. TERRAIN 645209.80N/1473519.50W 1150 (1200) AS1500 2700
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING				
ZAN ARTCC FAI TOWER FAI APP CON			X	N W S	OTHER: ASOS	SOURCE:PAFA				
						DISTANCE:				
						HOURS REMOTE OPERATION:				
SATISFACTORY ON:						LOCATION: PAFA/PAFA			ADJUSTMENT: 0	
X	V H F	X	U H F		H F	4. MONITOR STATUS PRIMARY NAVAID: I-CNA MONITOR POINT: FAI ATCT HRS CAT 1 24 OPTN: CAT 3				
5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 02L								
		(S) SALS								
	X	MALSR 20R								
	X	HIRL 02L, 20R								
	X	MIRL 02R, 20L								
	X	REIL 20L								
	X	TDZ 02L								
	X	C/L 02L, 20R								
6. RUNWAY MARKINGS	BASIC									
	ALL WEATHER PIR-G 02L, 20R									
	INSTRUMENT									
7. RUNWAY VISUAL RANGE	APPROACH 02L, 20R									
	MIDFIELD 02L, 20R									
	ROLL OUT 02L, 20R									
8. GLIDE PATH	GP ANGLE: 3.00				ELEV RWY THRESHOLD:436.1					
	DISTANCE FROM RWY: 1050				ELEV GP ANTENNA: 431.4					
					THRESHOLD CROSSING HEIGHT:55.9					
9. FINAL APPROACH COURSE AIMING			X	RUNWAY THRESHOLD FT. FROM THRESHOLD						
			X	ON CENTERLINE FT. FROM CENTERLINE						
10. WAIVERS: NONE										
PART D - PREPARED BY: JACOB A. POWERS (IVAN BLANCO)						DATE: 08/03/2017				
TITLE:						OFFICE: AJV-5432				



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD	
--	--

PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:	
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING				
SATISFACTORY ON:					N W S	OTHER:		SOURCE:			
					F A A			DISTANCE:			
					A / C			HOURS REMOTE OPERATION:			
	V H F		U H F		H F	LOCATION:			ADJUSTMENT:		
4. MONITOR STATUS		PRIMARY NAVAID:									
		MONITOR POINT:									
		HRS	CAT 1								
		OPTN:	CAT 3								
5. APPROACH & RUNWAY LIGHTING			ALS								
			(S) SALS								
			MALS								
			HIRL								
			MIRL								
			REIL								
			TDZ								
			C/LINE								
6. RUNWAY MARKINGS		BASIC									
		ALL WEATHER									
		INSTRUMENT									
7. RUNWAY VISUAL RANGE		APPROACH									
		MIDFIELD									
		ROLL OUT									
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:					
		DISTANCE FROM RWY:				ELEV GP ANTENNA:					
						THRESHOLD CROSSING HEIGHT:					
9. FINAL APPROACH COURSE AIMING				RUNWAY THRESHOLD					FT. FROM THRESHOLD		
				ON CENTERLINE					FT. FROM CENTERLINE		
10. WAIVERS:											
PART D - PREPARED BY:										DATE:	
TITLE:										OFFICE:	

