

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<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>AMDT NO.</u> 12	<u>CITY</u> FAIRBANKS	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 439	<u>FACILITY</u> I-CNA
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

<u>FROM</u> GLOWS	<u>TO</u> CILAX/I-CNA 17.02 DME
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<u>RNP</u> 1.00	<u>DISTANCE</u> 10.19	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	642718.00N/1481036.00W	1037	215	8	4B	1000				AT563	2600
TERRAIN	642718.00N/1481036.00W	836 (800)								AS1500	2300

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INTERMEDIATE

<u>FROM</u> CILAX/I-CNA 17.02 DME	<u>TO</u> CACHE INT/I-CNA 7.02 DME
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<u>RNP</u>	<u>DISTANCE</u> 10.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	644015.00N/1482500.00W	1214	215	8	4B	500				SA-481 AT867	2100
TERRAIN	643557.00N/1480948.00W	452 (500)								AS1500	2000

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



FINAL: ILS

FROM

CACHE INT/I-CNA 7.02 DME

TO

RW02L

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>			
		5.05		DA			200				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				639

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS SA CAT I

FROM

CACHE INT/I-CNA 7.02 DME

TO

RW02L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.05		DA				150				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				589

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS CAT II

FROM

CACHE INT/I-CNA 7.02 DME

TO

RW02L

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
		5.05		DA			100					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				539

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

CACHE INT/I-CNA 7.02 DME

TO

WOBEM/I-CNA 3.28 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	3.75										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	644427.00N/1475948.00W	634	215	8	4B	250					900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM

WOBEM/I-CNA 3.28 DME

TO

I-CNA 1.98 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	1.30		I-CNA 1.98 DME	361	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (02-123759)	644735.44N/1475417.69W	535	20	3	1A	250					800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM

DA

TO

KRNKL/FAI 13.03 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					469

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5000
TOWER (02-023105)	645147.26N/1473836.32W	1239	20	3	1A	1000					2300
TERRAIN	645148.00N/1473836.00W	1102 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS SA CAT I

FROM

DA

TO

KRNKL/FAI 13.03 DME

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
						438					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5000
TOWER (02-023105)	645147.26N/1473836.32W	1239	20	3	1A	1000					2300
TERRAIN	645148.00N/1473836.00W	1102 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS CAT II

FROM

DA

TO

KRNKL/FAI 13.03 DME

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
						438					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5000
TOWER (02-023105)	645147.26N/1473836.32W	1239	20	3	1A	1000					2300
TERRAIN	645148.00N/1473836.00W	1102 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM

I-CNA 1.98 DME

TO

KRNKL/FAI 13.03 DME

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
1.00						550					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5000
TOWER (02-023105)	645147.26N/1473836.32W	1239	20	3	1A	1000					2300
TERRAIN	645148.00N/1473836.00W	1102 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: ILS

FROM

DA

TO

CUN NDB

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
						469					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
AAO	645424.00N/1473130.00W	1326	215	8	4B	1000					2400
TERRAIN	645424.00N/1473130.00W	1125 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: ILS SA CAT I

FROM

DA

TO

CUN NDB

RNP	DISTANCE	PAT	MAP		HAT		HMAS				
							438				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
AAO	645424.00N/1473130.00W	1326	215	8	4B	1000					2400
TERRAIN	645424.00N/1473130.00W	1125 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: ILS CAT II

FROM

DA

TO

CUN NDB

RNP	DISTANCE	PAT	MAP		HAT		HMAS				
							438				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
AAO	645424.00N/1473130.00W	1326	215	8	4B	1000					2400
TERRAIN	645424.00N/1473130.00W	1125 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: LOC

FROM

I-CNA 1.98 DME

TO

CUN NDB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 550			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4000
AAO	645424.00N/1473130.00W	1326	215	8	4B	1000					2400
TERRAIN	645424.00N/1473130.00W	1125 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☒ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☒ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (02-020190)	645017.21N/1474822.21W	1.30	441	579	50	20	2C	300			880
CATEGORY B											
TOWER (02-020190)	645017.21N/1474822.21W	1.82	461	579	50	20	2C	300		HAA	900
CATEGORY C											
TOWER (02-023015)	645015.61N/1474514.91W	2.86	461	598	50	20	2C	300			900
CATEGORY D											
AAO	645248.00N/1474627.00W	3.74	581	666	215	8	4B	300		XP54	1020
CATEGORY E											
AAO	645327.00N/1474536.00W	4.67	641	771	215	8	4B	300			1080

CIRCLING REMARKS:

CAT D, XP 54 - TO MAINTAIN CURRENT CAT D MDA

MSA

CENTER

FAI VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	651300.00N/1480339.00W	336	25.1	3403	215	8	4B	1000			4500

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

FAI APP CON, FAI TOWER, ZAN ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	FAI/PAFA	24	FAI/PAFA		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

NO SECONDARY ALTIMETER SOURCE REQUIRED, REDUNDANT WEATHER REPORTING AT AIRPORT.

PRIMARY NAVAID

I-CNA

MONITOR POINT

FAI ATCT

HRS OPERATION

24

CAT

1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW02		
RW20CW		
RW02CW		
RW20		
RW02R - MIRL, PAPI-4L	NPI-G	
RW20L - MIRL, REIL, PAPI-4L	NPI-G	
RW02L - ALSF-2, TDZ, C/LINE, HIRL, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW20R - MALSR, C/LINE, HIRL, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT

GLIDESLOPE ANGLE

3.00

ELEV RWY THRESHOLD

436.1

TCH

55.9

ELEV GS ANTENNA

431.4

DISTANCE FROM RWY

1050

VGSI ANGLE

3.00

TCH

73.4

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

X

FT FROM THRESHOLD

ON CENTERLINE

X

FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

750

AIRPORT ID
FAI/PAFA

PROCEDURE NAME
ILS OR LOC RWY 2L
ILS RWY 2L (SA CAT I)
ILS RWY 2L (CAT II)
ILS RWY 2L (CAT III)

AMDT NO.
12

CITY
FAIRBANKS

STATE
AK

AIRPORT ELEVATION
439

FACILITY
I-CNA

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - VDP IS LESS THAN 0.5 NM AFTER STEPDOWN FIX.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

UDDF FILE APPLIED FOR CAT II OBSTACLE EVALUATION: 2008_FAI_PIR_3131 - 2008 FILE PROVIDED MORE COMPLETE RUNWAY ELEVATION POINTS THAN MORE RECENT FILES.

CAT II MISSED APPROACH - THE FOLLOWING PENETRATIONS TO SECTION 1, SURFACES A AND B ARE CONSIDERED ACCEPTABLE AND EXCLUDED FROM CONSIDERATION BY 8260.3G TABLE 10-6-1: 02-021665 NAVAID, 02-022373 AIRPORT SIGN, 02-022367 AIRPORT SIGN, 02-022380 AIRPORT SIGN, 02-022376 AIRPORT SIGN, 02-021926 NAVAID, 02-021928 NAVAID, 02-022370 AIRPORT SIGN, 02-021927 NAVAID.

CAPTURE FIX NOT ESTABLISHED - REQUIREMENT OF 8260.58D, APPENDIX C, PARA 2.A.(1), IS WAIVED BY AFS MEMO: WAIVER TO ORDER 8260.58, UNITED STATES STANDARD FOR PERFORMANCE BASED NAVIGATION (PBN) INSTRUMENT PROCEDURE DESIGN, ON APPENDIX C PBN TRANSITION TO ILS/GLS/LPV FINAL.

VEGETATION HEIGHT: 60 FT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.85
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.84
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	038.05
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	400
DISTANCE FROM	THLD	TO 1500FT POINT	4.65
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.22
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	038.05
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	400

THRESHOLD COORDINATES (IF STR-IN)	644815.29N/1475258.51W
ARP COORDINATES	644855.28N/1475124.00W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 2L DISTANCE 1.07 NM
FAF COORDINATES	644417.33N/1480014.08W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.
THLD DISPLACED 750FT, ACTUAL COORDINATES: 644809.48N/1475309.18W

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
RICHARD BRUCE	AJV-A422	05/12/2026	AERONAUTICAL INFORMATION SPECIALIST