

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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.

AIRPORT ID CFJ	PROCEDURE NAME RNAV (GPS) RWY 23	ORIGINAL/AMENDMENT 2	CITY CRAWFORDSVILLE	STATE IN
AIRPORT ELEVATION 800	TDZE 799	SUPERSEDED RNAV (GPS) RWY 22	DATED 11/08/2018	MAG VAR 4W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2020
				CANCEL/SUSPEND

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 137/30 CW 317/30	NOPT	137/20 CW 317/20		2900
2. 137/20 CW 317/20		CONUM	IF/IAF	2700
3. 317/30 CW 047/30		SOWWI	IAF	2700
4. 047/30 CW 137/30		WINAM	IAF	2700

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SOWWI	IAF	CONUM	NOPT	TF	FB	1.00	317.08	6.50	2700
WINAM	IAF	CONUM	NOPT	TF	FB	1.00	136.95	6.50	2700
CONUM	IF/IAF	JIPUS		TF	FB	1.00	227.02	6.01	2400
JIPUS	FAF	JUSGI/1.57 NM TO RW23		TF	FB	0.30	226.97	3.33	
JUSGI/1.57 NM TO RW23		RW23	MAP	TF	FO	0.30	226.97	1.57	
RW23	MAP	1059 MSL		CA			226.97		
1059 MSL		YONUG		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 DIRECT YONUG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | | | | |
|---|-----------------------|-----------------------------------|------------------------------|------------------|---------------------|-------------------------------|--|------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) | | | |
| 2. HOLD NE CONUM, RT, 227.02 INBOUND, 2700 IN LIEU OF PT (IAF), MAX 6000. | | | | | | | | |
| 3. FAC: 226.97 | | FAF: JIPUS | DIST FAF TO MAP: 4.89 | | | DIST FAF TO THLD: 4.89 | | |
| 4. MIN ALT: CONUM 2700, JIPUS 2400, JUSGI/1.57 NM TO RW23 1340 | | | | | | | | |
| 5. DIST TO THLD FROM OM: | | MM: | IM: | 150 HAT: | 260HAT: 0.66 | GS ANT: | | |
| 6. MIN GP INCPT: 2400 | | GP ALT AT PFAF: JIPUS 2400 | | | OM: | MM: | | IM: |
| 7. GP ANGLE: 3.00 | | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: 50.0 | | | | |
| 8. MSA FROM: | | | | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART NOTE: BARO-VNAV NA WHEN USING GPC ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GPC ALTIMETER SETTING: INCREASE LPV DA TO 1111 FEET, LNAV/VNAV DA TO 1252 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 60 FEET AND LNAV AND CIRCLING CATS C AND D VISIBILITIES 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 046.81 INBOUND.
 CHART FAS OBST: 932 TREE (18-044210) 395917N/0865332W.
 WAAS CHANNEL # 60941
 REFERENCE PATH ID: W23A
 LTP HAE: 210.3 M

MINIMUMS:

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

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

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	1059	1	260	1059	1	260	1059	1	260	1059	1	260				
LNAV/VNAV DA	1200	1 1/8	401	1200	1 1/8	401	1200	1 1/8	401	1200	1 1/8	401				
LNAV MDA	1200	1	401	1200	1	401	1200	1 1/8	401	1200	1 1/8	401				
CIRCLING	1240	1	440	1260	1	460	1440	1 3/4	640	1520	2 1/4	720				



CHANGES - REASONS

1. UPDATED PROCEDURE NAME FROM RNAV (GPS) RWY 22 TO RNAV (GPS) RWY 23. – RUNWAY RENUMBERING TO ALIGN WITH MAGNETIC DECLINATION.
2. INCREASED LPV DA/HAT FROM 1052/253 TO 1059/260; VISIBILITY ALL CATS FROM 3/4 TO 1 SM. – NEW CONTROLLING OBSTACLE; IAW 8260.3G TABLE 3-3-1.
3. INCREASED LNAV/VNAV DA/HAT FROM 1063/264 TO 1200/401; VISIBILITY ALL CATS FROM 7/8 TO 1 1/8 SM. – NEW CONTROLLING OBSTACLE; - IAW 8260.3G TABLE 3-3-1.
4. INCREASED LNAV MDA/HAT FROM 1180/381 TO 1200/401. – NEW LNAV STEPDOWN CONTROLLING OBSTACLE.
5. REMOVED FEEDERS FROM ALLOE, ADVAY, AND POTES; INITIAL FROM OCKEL. – PER FPT REQUEST.
6. ADDED TAA WITH LEFT/RIGHT BASE INITIALS FROM WINAM AND SOWWI. – PER FPT/ATC REQUEST.
7. UPDATED INITIALS SOWWI TO CONUM DISTANCE FROM 6.30 6.50; WINAM TO CONUM COURSE/DISTANCE FROM 136.96/6.30 TO 136.95/6.50. – EXTENDED TO ALLOW FOR ATC VECTORS; UPDATED EVALUATION.
8. UPDATED INTERMEDIATE DISTANCE FROM CONUM TO JIPUS FROM 6.03 TO 6.01. – PFAF MOVED TO ACCOMMODATE GPA/TCH 3.00/50.0.
9. UPDATED DISTANCE JIPUS TO JUSGI FROM 3.27 TO 3.33; JUSGI TO RW23 FROM 1.60 TO 1.57. – PFAF AND STEPDOWN FIX MOVED TO ACCOMMODATE GPA/TCH 3.00/50.0.
10. UPDATED CA LEG ALTITUDE FROM 1052 TO 1059 MSL. - LPV DA INCREASED; LOWEST DA, MDA OR 400FT ABOVE AIRPORT ELEVATION; FINAL COURSE UPDATED.
11. LINE 2: ADDED MAX ALTITUDE 6000. – UPDATED FORMS.
12. LINE 3: UPDATED DIST FAF TO MAP/THLD FROM 4.87 TO 4.89. - PFAF MOVED TO ACCOMMODATE GPA/TCH 3.00/50.0.
13. LINE 4: UPDATED FROM "JUSGI/1.60 NM TO RW22 1340"" TO "JUSGI/1.57 NM TO RW23 1340." REMOVED *LNAV ONLY FROM ADDITIONAL FLIGHT DATA. - STEPDOWN FIX MOVED; ASTERISK/LNAV ONLY NO LONGER REQUIRED.
14. LINE 5: ADDED DIST TO THLD FROM FAF: 4.89; 256 HAT: 0.67. REMOVED "DISTANCE TO THLD FROM 253 HATH: 0.64 NM" FROM ADDITIONAL FLIGHT DATA. – IAW 8260.19K 8-6-7 E; FORMS UPDATED.
15. LINE 7: ADDED 20:1 IS CLEAR. – NO 20:1 PENETRATION FOUND.
16. LINE 8: REMOVED MSA FROM: RW22 2600. – MSA REMOVED; TAA ADDED.
17. REMOVED CHART NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. - IAW 8260.58C TABLE 1-2-1.
18. UPDATED CHART NOTE: FROM "BARO-VNAV NA WHEN USING GREENCASTLE ALTIMETER SETTING" TO "BARO-VNAV NA WHEN USING GPC ALTIMETER SETTING." - IAW 8260.19J 8-6-10E(8).
19. UPDATED WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, FROM "USE GREENCASTLE ALTIMETER SETTING: INCREASE LPV DA TO 1104 FEET AND ALL VISIBILITIES 1/4 SM, LNAV/VNAV DA TO 1115 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDA 60 FEET AND CATS C AND D VISIBILITIES 1/4 SM" TO "USE GPC ALTIMETER SETTING: INCREASE LPV DA TO 1111 FEET, LNAV/VNAV DA TO 1252 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 60 FEET AND LNAV AND CIRCILNG CATS C AND D VISIBILITIES 1/4 SM." - IAW 8260.19J 8-6-10F(4); UPDATED EVALUATION COMPLETED.
20. UPDATED CHART FAS OBST: FROM 927 TREE 395917N/0865332W TO 932 TREE (18-044210) 395917N/0865332W.- NEW LNAV STEPDOWN CONTROLLING OBSTACLE.
21. REMOVED ADDITIONAL FLIGHT DATA: CHART CIRCLING ICON. – NO LONGER REQUIRED.
22. UPDATED ADDED ADDITIONAL FLIGHT DATA: REFERENCE PATH ID: FROM W22A TO W23A. - RUNWAY RENUMBERING.
23. FAS DATA: UPDATED LTP/FTP FROM 395844.9400N/0865456.1800W TO 395844.9325N/0865456.1915W. - NEW AIRNAV DATA INCORPORATED.
24. FAS DATA: UPDATED FPAP FROM 395739.6340N/0865615.0895W TO 395739.6230N/0865615.0955W. – UPDATED LTP COORDINATES SLIGHTLY MOVED THE FPAP.
25. FAS DATA: UPDATED CRC REMAINDER FROM 333C556C TO 011C538D. - LTP/FTP AND FPAP COORDINATES UPDATED.

11/03/2025: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/12/2025.

1. PROFILE LINE 5: REMOVED DIST TO THLD FROM FAF: 4.89; UPDATED DIST TO THLD FROM 256 HAT: 0.67 TO 260 HAT: 0.66.
2. CHANGES AND REASONS #2: CHANGED FROM "INCREASED LPV DA/HAT FROM 1052/253 TO 1055/256" TO "INCREASED LPV DA/HAT FROM 1052/253 TO 1059/260."

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
OTHER: ZAU, ZID, IND APP CON, AMGR

FLIGHT CHECKED BY

BRIAN P CARSON

Digitally signed by
CASIMIR L TABAKA
 Oct 31, 2025

OFFICE

AJF

DATE

10/29/2025

TITLE
MANAGER

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by
CASIMIR L TABAKA
 Sep 19, 2025

OFFICE

AJV-A432

DATE

08/12/2025

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
 Sep 19, 2025

OFFICE

AJV-A430

DATE



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCFJ
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	395844.9325N
LTP/FTP LONGITUDE	0865456.1915W
LTP/FTP ELLIPSOIDAL HEIGHT	+02103
FPAP LATITUDE	395739.6230N
FPAP LONGITUDE	0865615.0955W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 011C538D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02437
FPAP ORTHOMETRIC HEIGHT	+02437



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

<u>AIRPORT ID</u> CFJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>AMDT NO.</u> 2	<u>CITY</u> CRAWFORDSVILLE	<u>STATE</u> IN	<u>AIRPORT ELEVATION</u> 800	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

<u>FROM</u> 137/30 CW 317/30	<u>TO</u> 137/20 CW 317/20
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RNP DISTANCE PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-001444)	395325.00N/0861220.00W	1866	500	50	5D	1000					2900
TERRAIN	401933.00N/0863333.00W	1010 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

<u>FROM</u> 137/20 CW 317/20	<u>TO</u> CONUM
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RNP DISTANCE PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-000459)	402321.00N/0863650.00W	1557	500	50	5D	1000				AT143	2700
TERRAIN	401933.00N/0863333.00W	1010 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
CFJ

PROCEDURE NAME
RNAV (GPS) RWY 23

AMDT NO.
2

CITY
CRAWFORDSVILLE

STATE
IN

AIRPORT ELEVATION
800

FACILITY
RNAV

LEFT BASE AREA

FROM
317/30 CW 047/30

TO
SOWWI

RNP DISTANCE PAT MAP HAT HMAS

<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>
BUILDING (18-001020)	394611.00N/0860926.00W	1546	500	50	5D	1000				AT154	2700
TERRAIN	394621.00N/0863348.00W	1040 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM
047/30 CW 137/30

TO
WINAM

RNP DISTANCE PAT MAP HAT HMAS

<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>
WINDMILL (18-059261)	402800.26N/0872507.41W	1308	250	50	4D	1000				AT392	2700
TERRAIN	400857.00N/0865533.00W	869 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
CFJ

PROCEDURE NAME
RNAV (GPS) RWY 23

AMDT NO.
2

CITY
CRAWFORDSVILLE

STATE
IN

AIRPORT ELEVATION
800

FACILITY
RNAV

INITIAL

FROM
SOWWI

TO
CONUM

RNP
1.00

DISTANCE
6.50

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	400300.00N/0863633.00W	1136	215	8	4B	1000				AT564	2700
TERRAIN	400224.00N/0863906.00W	905 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
WINAM

TO
CONUM

RNP
1.00

DISTANCE
6.50

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	400551.00N/0864309.00W	1070	215	8	4B	1000				AT630	2700
TERRAIN	400648.00N/0864442.00W	836 (800)								AS1500	2300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
CFJ

PROCEDURE NAME
RNAV (GPS) RWY 23

AMDT NO.
2

CITY
CRAWFORDSVILLE

STATE
IN

AIRPORT ELEVATION
800

FACILITY
RNAV

INTERMEDIATE

FROM
CONUM (IF/IAF)

TO
JIPUS

RNP
1.00

DISTANCE
6.01

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	400206.00N/0864354.00W	1076	215	8	4B	500					1600
TERRAIN	400533.00N/0864409.00W	872 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM
JIPUS

TO
RW23

RNP
0.30

DISTANCE
4.89

PAT

MAP
DA

HAT
260

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (18-075308)	395902.85N/0865442.69W	885	20	3	1A		34.00:1			MA10	1059

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
CFJ

PROCEDURE NAME
RNAV (GPS) RWY 23

AMDT NO.
2

CITY
CRAWFORDSVILLE

STATE
IN

AIRPORT ELEVATION
800

FACILITY
RNAV

FINAL: LNAV/VNAV

FROM
JIPUS

TO
RW23

RNP
0.30

DISTANCE
4.89

PAT

MAP
DA

HAT
401

HMAS

<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>
TREE (18-044210)	395917.27N/0865331.53W	932	20	3	1A		23.38:1				1200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM
JIPUS

TO
JUSGI/1.57 NM TO RW23

RNP
0.30

DISTANCE
3.33

PAT

MAP

HAT

HMAS

<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	400130.00N/0865112.00W	1017	215	8	4B	250				RA52 DG21	1340

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM
JUSGI/1.57 NM TO RW23

TO
RW23

RNP
0.30

DISTANCE
1.57

PAT

MAP
RW23

HAT
401

HMAS



<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>
TREE (18-044210)	395917.27N/0865331.53W	932	20	3	1A	250					1200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID
CFJ

PROCEDURE NAME
RNAV (GPS) RWY 23

AMDT NO.
2

CITY
CRAWFORDSVILLE

STATE
IN

AIRPORT ELEVATION
800

FACILITY
RNAV

HOLD-IN-LIEU OF PT

FROM CONUM **TO** P-5

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
P-5

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-001661)	401358.11N/0863921.65W	1203	50	20	2C	1000				AT497	2700
TERRAIN	401333.00N/0863651.00W	892 (900)								AS1500	2400

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM DA **TO** YONUG

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
0.30 865

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (18-075308)	395902.85N/0865442.69W	885	20	3	1A		ASC				2700
AAO	395451.00N/0865718.00W	1057	215	8	4B	1000					2100
TERRAIN	395451.00N/0865718.00W	856 (900)								AS1500	2400

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



AIRPORT ID
CFJ

PROCEDURE NAME
RNAV (GPS) RWY 23

AMDT NO.
2

CITY
CRAWFORDSVILLE

STATE
IN

AIRPORT ELEVATION
800

FACILITY
RNAV

MISSED APPROACH: LNAV/VNAV

FROM
DA **TO**
YONUG

RNP 0.30 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1039

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2700
AAO	395451.00N/0865718.00W	1057	215	8	4B	1000					2100
TERRAIN	395451.00N/0865718.00W	856 (900)								AS1500	2400

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM
RW23 **TO**
YONUG

RNP 0.30-1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1100

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2700
AAO	395451.00N/0865718.00W	1057	215	8	4B	1000					2100
TERRAIN	395451.00N/0865718.00W	856 (900)								AS1500	2400

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



AIRPORT ID
CFJ

PROCEDURE NAME
RNAV (GPS) RWY 23

AMDT NO.
2

CITY
CRAWFORDSVILLE

STATE
IN

AIRPORT ELEVATION
800

FACILITY
RNAV

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											
WATER_TOWER (18-044174)	395703.48N/0865531.32W	1.30	440	932	20	10	1B	300			1240
CATEGORY B											
ANTENNA (18-044215)	395651.80N/0865422.12W	1.83	460	955	20	10	1B	300			1260
CATEGORY C											
TOWER (18-000362)	400107.28N/0865629.91W	2.88	640	1101	20	3	1A	300		XP39	1440
CATEGORY D											
AAO	395836.00N/0865015.00W	3.77	720	1103	215	8	4B	300		XP117	1520

CIRCLING REMARKS:

XP39 TO MAINTAIN CURRENT MINIMUMS. 50FT REDUCTION CANNOT BE ACHIEVED, XP117 TO MAINTAIN CURRENT MINIMUMS. OEAAA SYSTEM NOT AVAILABLE

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

BACKUP ALTIMETER SETTING PUBLISHED AS A NOTE

100 FEET VEGETATION USED PER FPT CHECKLIST

ORDER 8260.3 CHAPTER 2 APPLIED TO 1037 AAO 400145.00N/0864939.00W.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZID ARTCC, IND APP CON, ZAU ARTCC

WX SERVICE

AWOS-3PT

LOCATION

CFJ

HRS OPERATION

0

ALTIMETER SOURCE

CFJ

DISTANCE

WMSCR

Y

ADJUSTMENTS

0

BACK-UP WX SERVICE

AWOS-3PT

LOCATION

GPC

HRS OPERATION

24

ALTIMETER SOURCE

GPC

DISTANCE

20.92

WMSCR

Y

ADJUSTMENTS

52

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KCFJ 800, KGPC 827
RA = 51.8.



PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT

AIRPORT ID
CFJ

PROCEDURE NAME
RNAV (GPS) RWY 23

AMDT NO.
2

CITY
CRAWFORDSVILLE

STATE
IN

AIRPORT ELEVATION
800

FACILITY
RNAV

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW05 - REIL (PCL), MIRL (PCL), PAPI-4L	NPI-F	
RW23 - MIRL (PCL), REIL (PCL), PAPI-4L	NPI-F	

GLIDESLOPE ANGLE
3.00

ELEV RWY THRESHOLD
799.4

TCH
50.0

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE
3.00

TCH
42.2

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE 503

CRITICAL TEMPERATURES

CRITICAL LOW
-16C

CRITICAL HIGH
+54C

ACT
-16C

APT ISA
+13.42C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 965 HIGH TEMP 1274.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LPV, LNAV/VNAV, AND LNAV
34:1	
885 TREE (18-075308) 395902.8500N/0865442.6900W (31.39)	874 TREE (18-075348) 395900.7100N/0865443.7800W (26.75)
876 TREE (18-044307) 395902.7600N/0865442.2000W (21.82)	872 TREE (18-044140) 395902.2000N/0865440.3100W (16.09)
856 TREE (18-075194) 395859.2000N/0865445.6000W (14.88)	849 TREE (18-044253) 395856.9500N/0865445.4200W (12.5)
866 TREE (18-075487) 395901.0100N/0865439.8800W (12.02)	850 TREE (18-044276) 395858.1300N/0865445.2300W (10.63)
843 TREE (18-044245) 395855.6100N/0865445.4700W (9.5)	853 TREE (18-044294) 395900.3000N/0865444.9800W (8.52)
841 TREE (18-044242) 395855.1800N/0865445.5000W (8.48)	841 TREE (18-044246) 395855.8900N/0865445.4600W (6.87)
856 TREE (18-075173) 395859.8800N/0865440.3300W (5.18)	841 TREE (18-044251) 395856.7200N/0865445.5200W (5.16)
863 TREE (18-075398) 395903.9200N/0865441.3100W (4.9)	838 TREE (18-044248) 395856.2100N/0865445.4800W (3.21)

PENETRATIONS REMARKS:



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VDP NOT ESTABLISHED - VDP TO CLOSE TO SDF..

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	3.01
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	222.97
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	800
DISTANCE FROM	THLD	TO 1500FT POINT	4.78
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	222.97
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD COORDINATES (IF STR-IN)	395844.93N/0865456.19W
ARP COORDINATES	395828.65N/0865515.87W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 5 DISTANCE 0.45 NM
FAF COORDINATES	400218.95N/0865037.16W
FIX NAME COORDINATES	

REMARKS

THLD DISPLACED 503FT, ACTUAL COORDINATES: 395848.58N/0865451.79W

PART E: PREPARED BY

NAME
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OFFICE
AJV-A432

DATE
08/12/2025

TITLE
AERONAUTICAL INFORMATION SPECIALIST

