

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
LOC STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.25

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> KFOA	<u>PROCEDURE NAME</u> LOC RWY 21	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>CITY</u> FLORA	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 473	<u>TDZE</u> 470	<u>SUPERSEDED</u> LOC/DME RWY 21	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 11/08/2018	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RTT	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
SAM VOR/DME		LASDE/I-RTT 10.99 DME					325.65	23.18	2200
BIB VORTAC	IAF	LASDE/I-RTT 10.99 DME	NOPT				131.06	9.06	2200
LASDE/I-RTT 10.99 DME	IF/IAF	NEDGE/I-RTT 5.99 DME					210.64	5.00 (I-RTT)	2100

**MISSED APPROACH**

**MAP:**

I-RTT 0.99 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 2300 DIRECT BIB VORTAC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF      (IAF)
2. HOLD NE LASDE, RT, 210.64 INBOUND, 2200 FT. IN LIEU OF PT (IAF), MAX 5000.
3. FAF: 210.64      FAF: NEDGE/I-RTT 5.99 DME      DIST FAF TO MAP:      DIST FAF TO THLD: 5.00
4. MIN ALT:      LASDE/I-RTT 10.99 DME 2200, NEDGE/I-RTT 5.99 DME 2100
8. MSA FROM:      BIB VORTAC 2600

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.

**NOTES:**

CHART NOTE: CIRCLING NA TO RWYS 15 AND 33.  
CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAM VOR/DME ON V446 EASTBOUND.



CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BIB VORTAC ON V221 WESTBOUND.

ADDITIONAL FLIGHT DATA:

NEDGE TO RW21: 3.00/44  
HOLD S, LT, 341.02 INBOUND.  
FAS OBST: 655 AAO 384419N/0882443W.  
663 AAO 384518N/0882436W.  
CHART VDP AT 2.33 DME  
DISTANCE VDP TO THLD 1.34 NM.

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

ALTERNATE: NA ☒

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-21	920	1	450	920	1	450	920	1 3/8	450		NA				
CIRCLING	940	1	467	1120	1	647	1120	1 3/4	647		NA				

CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM LOC/DME RWY 21 TO LOC RWY 21 - IAW NAMING CONVENTION.
2. CHANGED S-21 MDA/HAT FROM 820/350 TO 920/450 - NEW FINAL CONTROLLING OBSTACLE.
3. CHANGED FAS OBSTACLE FROM "566 100' TREE 384227N/0882545W" TO "655 AAO 384419N/0882443W" - NEW CONTROLLING OBSTACLE.
4. ADDED 7:1 OBSTACLE 663 AAO 384518N/0882436W-PER OBSTACLE EVALUATION.
5. CHANGED VDA/TCH FROM 2.99/45 TO 3.00/44 - IAW 8260.3E 2-2-6,B.
6. CHANGED S-21 CAT C VISIBILITY MINIMUMS FROM 1 SM TO 1 3/8 SM - MDA
7. UPDATED AIRPORT ELEVATION FROM 472 FT. TO 473 FT. - PER ACTIVE AIRNAV DATA.
8. ADDED "MAX 5000" PROFILE VIEW LINE 2 - IAW 8260.19I, 8-6-7M,B,2.
9. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAM VOR/DME ON V446 EASTBOUND AND PROCEDURE NA FOR ARRIVALS AT BIB VORTAC ON V211 WESTBOUND - IAW .19I 8-2-5, E, 2.
10. REMOVED BACKUP ALTIMETER NOTE - MOVED TO BACK OF -9 AS A CONTINGENCY"
11. CHANGED CHART PROFILE NOTE FROM "VGSI AND DESCENT ANGLES NOT COINCIDENT" TO "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})". - IAW .19I 8-6-9, M
12. CHART VDP AT 2.33 DME, DISTANCE VDP TO THLD 1.34 NM - VDP ESTABLISHED 20:1 SURFACE CLEAR.
13. CHANGED VDA/TCH FROM 2.99/45 TO 3.00/44 - PUBLISHED VDA LESS THAN PUBLISHED VGSI, IAW .3E 2-6-2, B.

COORDINATED WITH:

A4A ☒ ALPA ☐ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZKC ARTCC, ARPT MGR.

FLIGHT CHECKED BY

Digitally signed by  
JOHN BORDY  
Sep 09, 2021

OFFICE

FPO

DATE

09/08/2021

DEVELOPED BY

JOHN BORDY (JANTZEN TAYLOR)

Digitally signed by  
JOHN BORDY  
Sep 09, 2021

OFFICE

AJV-A422

DATE

06/15/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by  
JOHN BORDY  
Sep 09, 2021

OFFICE

AJV-A420

DATE

TITLE  
MANAGER

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

<u>AIRPORT ID</u> KFOA	<u>PROCEDURE NAME</u> LOC RWY 21	<u>AMDT NO.</u> ORIG-E	<u>CITY</u> FLORA	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 473	<u>FACILITY</u> RTT
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM  
SAM VOR/DME

TO  
LASDE/I-RTT 10.99 DME

<u>RNP</u>	<u>DISTANCE</u> 23.18	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<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>
1.TOWER (14-1299)	384159.00N/0881252.00W		623	500	50	5D	1000				AT577	2200
2.TERRAIN	383115.00N/0880336.00W		539 (500)								AS1500	2000

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM  
BIB VORTAC

TO  
LASDE/I-RTT 10.99 DME

<u>RNP</u>	<u>DISTANCE</u> 9.06	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<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>
3.AAO	385648.00N/0882448.00W		765	164	98	4E	1000				AT435	2200
4.TERRAIN	385648.00N/0882448.00W		565 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM  
LASDE/I-RTT 10.99 DME (IF/IAF)

TO  
NEDGE/I-RTT 5.99 DME

RNP	DISTANCE 5.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.AAO	385048.00N/0882333.00W		706	164	98	4E	500				DG796 AC98	2100
6.TERRAIN	385048.00N/0882333.00W		506 (500)								AS1500	2000

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

FINAL

FROM  
NEDGE/I-RTT 5.99 DME

TO  
I-RTT 0.99 DME

RNP	DISTANCE 5.00	PAT	MAP I-RTT 0.99 DME	HAT 450			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.AAO	384418.93N/0882442.63W		655	50	20	2C	250					920

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



HOLD-IN-LIEU OF PT

FROM  
LASDE

TO  
P-6

RNP	DISTANCE	PAT P-6	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
8.STACKS (14-0868)	385606.00N/0881625.00W		1075	500	125	5E	1000				AT125	2200
9.TERRAIN	385536.00N/0881251.00W		565 (600)								AS1500	2100

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

MISSED APPROACH

FROM  
I-RTT 0.99 DME

TO  
BIB VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 670					
<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				2300
10.TOWER (17-001391)	384105.84N/0883319.90W		1030	250	50	4D	1000					2100
11.TERRAIN	385609.00N/0883833.00W		570 (600)								AS1500	2100

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
12.TANK (17-002726)	384016.00N/0882745.00W	1.30	467	635	50	20	2C	300			940
CATEGORY B											
13.TOWER (17-000645)	384042.00N/0882914.00W	1.50	647	768	500	50	5D	300		AC50	1120
CATEGORY C											
13.TOWER (17-000645)	384042.00N/0882914.00W	1.70	647	768	500	50	5D	300		AC50	1120

CIRCLING REMARKS:

MSA

CENTER  
BIB VORTAC

RADIUS  
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (14-1372)	383239.00N/0885526.00W	251	23.4	1550	500	20	5C	1000			2600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
ZKC ARTCC, STL FSS

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> KFOA	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KFOA	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> KOLY	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KOLY	<u>DISTANCE</u> 13.41	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 33

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
KFOA 473 KOLY 482  
RA=32.25

<u>PRIMARY NAVAID</u> RTT LOC	<u>MONITOR POINT</u> INTERNAL	<u>HRS OPERATION</u> 24	<u>CAT</u> 3
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW21 - MIRL (PCL), REIL (PCL), PVASI-PSIL (PCL)		NPI-F	
RW3 - MIRL (PCL), PVASI-PSIL (PCL)		NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 25.3
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	LOC
34:1	
519 TREE (17-035292) 384028.18N/0882643.94W (6.98)	537 TREE (17-034476) 384031.71N/0882636.06W (6.76)
526 TREE (17-035291) 384030.72N/0882642.61W (5.87)	522 TREE (17-034475) 384030.45N/0882644.23W (4.44)
518 TREE (17-034473) 384031.16N/0882645.98W (0.62)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or  
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

CONTINGENCY ALTIMETER NOTE:  
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OLNEY-NOBLE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND CIRCLING CAT C VISIBILITY 1/4 MILE.

VDP NA WHEN USING OLNEY-NOBLE ALTIMETER SETTING

RWY 15/33 TURF RWY NO LIGHTS

PRECIPITOUS TERRAIN EVALUATION COMPLETED

ORDER 8260.3 CHAPTER 2 APPLIED TO 663 AAO 384518.00N/0882436.00W.





<div>AIRPORT ID KFOA</div>	<div>PROCEDURE NAME LOC RWY 21</div>	<div>AMDT NO. ORIG-E</div>	<div>CITY FLORA</div>	<div>STATE IL</div>	<div>AIRPORT ELEVATION 473</div>	<div>FACILITY RTT</div>
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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	3.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.06
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	209.64
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	4.80
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.60
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	209.64
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	500

THRESHOLD  
COORDINATES  
(IF STR-IN)

384012.78N/0882654.32W

ARP COORDINATES

383953.96N/0882711.20W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 3 DISTANCE 0.44 NM

FAF  
COORDINATES

384433.75N/0882344.68W

FIX NAME  
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY  
6  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> JOHN BORDY (JANTZEN TAYLOR)	<u>OFFICE</u> AJV-A422	<u>DATE</u> 06/15/2021	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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