

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

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</u> SKYHAVEN	<u>AIRPORT ID</u> KRCM	<u>PROCEDURE NAME</u> VOR-A	<u>ORIGINAL/AMENDMENT</u> 3A	<u>CITY</u> WARRENSBURG	<u>STATE</u> MO	
<u>AIRPORT ELEVATION</u> 798	<u>TDZE</u>	<u>SUPERSEDED</u> VOR/DME-A	<u>ORIGINAL/AMENDMENT</u> 3	<u>DATED</u> 04/30/2015	<u>MAG VAR</u> 7E	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> ANX	<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>
IYOCO/ANX 10.00 DME CCW	IAF	ZABAD/10.00 DME					10.00 DME ARC		3100
ROBDY/10.00 DME CW	IAF	ZABAD/10.00 DME					10.00 DME ARC		3100
ANX VORTAC	IAF	ZABAD/10.00 DME					133.62	10.00	3100
ZABAD/10.00 DME	IF	LUNCH/18.00 DME					133.62	8.00 (ANX R-134)	3000

MISSED APPROACH

MAP:

MAPCD/ANX 23.79 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1900 THEN CLIMBING RIGHT TURN TO 3000 ON ANX VORTAC R-134 TO LUNCH/18.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD NW LUNCH, RT, 133.62 INBOUND, 3000 FT. IN LIEU OF PT (FAF/IAF), MAX 6000.
3. **FAC:** 133.62 **FAF:** LUNCH/18.00 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:**
4. **MIN ALT:** LUNCH/18.00 DME 3000
8. **MSA FROM:** ANX VORTAC 3100

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ANX VORTAC AIRWAY RADIALS 088 CW 192.



ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
FAC CROSSES ABEAM RW14 THLD 901 FT. LEFT OF CENTERLINE.
CHART ANX R-236 AT IYOCO.
CHART ANX R-041 AT ROBDY.
FAS OBST: 1090 AAO 385103N/0935156W.
1100 AAO 385207N/0935307W.

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
CIRCLING	1340	1	542	1340	1	542	1380	1 1/2	582		NA				

CHANGES - REASONS

1. FIX IYOCO RELOCATED 813.90FT NORTH WEST - TO INTERSECT WITH V10-12.
2. CHANGED PROCEDURE NAME FROM VOR/DME-A TO VOR-A - NEW NAMING CONVENTIONS.
3. ADDED DME REQUIRED TO EQUIPMENT REQUIREMENT NOTES.
4. ADDED H-I-L AT FAF (LUNCH) - IAW8260.19H 8-6-6 F.(6).

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☐ **OTHER:** ZKC,SZL APP CON, AMGR.

FLIGHT CHECKED BY**OFFICE****DATE****DEVELOPED BY**

WARDELL HENNING (GORDON LEMON)

OFFICE

AJV-A432

DATE

05/09/2019

APPROVED BY

LONNIE EVERHART

OFFICE

AJV-A430

DATE**TITLE**

MANAGER



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

<u>AIRPORT</u> SKYHAVEN	<u>AIRPORT ID</u> KRCM	<u>PROCEDURE NAME</u> VOR-A	<u>AMDT NO.</u> 3A	<u>CITY</u> WARRENSBURG	<u>STATE</u> MO	<u>AIRPORT ELEVATION</u> 798	<u>FACILITY</u> ANX
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL: ARC

<u>FROM</u> IYOCO/ANX 10.00 DME CCW	<u>TO</u> ZABAD/10.00 DME
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<u>RNP</u>	<u>DISTANCE</u>	<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 (29-000267)	385729.76N/0940643.50W	1459	50	20	2C	1000				AT641	3100
												2.TERRAIN	385530.00N/0940336.00W	1067 (1100)								AS1500	2600

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:

INITIAL: ARC

<u>FROM</u> ROBDY/10.00 DME CW	<u>TO</u> ZABAD/10.00 DME
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<u>RNP</u>	<u>DISTANCE</u>	<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.TOWER (29-001419)	390214.00N/0935549.00W	2046	20	3	1A	1000					3100
												2.TERRAIN	385530.00N/0940336.00W	1067 (1100)								AS1500	2600

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:



INITIAL

FROM

ANX VORTAC

TO

ZABAD/10.00 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	10.00											
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
4.TOWER (29-004114)	390540.00N/0940548.00W	1842	500	50	5D	1000				AT258	3100	
2.TERRAIN	385530.00N/0940336.00W	1067 (1100)								AS1500	2600	

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

ZABAD/10.00 DME

TO

LUNCH/18.00 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	8.00											
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
5.AAO	385530.00N/0940336.00W	1267	164	98	4E	500				AC98 AT1135	3000	
6.TERRAIN	385527.00N/0940333.00W	1067 (1100)								AS1500	2600	

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FACILITY
ANX

QUALITY
6
CHECKED

MISSED APPROACH

FROM

MAPCD/ANX 23.79 DME

TO

LUNCH/ANX 18.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
							1090					
<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				3000
8.TOWER (29-000249)	384705.54N/0934408.07W		1239	250	50	4D	1000					2300
9.TERRAIN	385009.00N/0935642.00W		896 (900)									2400

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											
10.TREE	384640.30N/0934956.53W	1.30	542	989	50	20	2C	300		SI	1340
CATEGORY B											
11.TOWER (29-002153)	384645.98N/0935036.08W	1.83	542	1030	50	20	2C	300			1340
CATEGORY C											
12.TOWER (29-002078)	384555.19N/0934432.88W	2.88	582	1069	20	3	1A	300			1380

CIRCLING REMARKS:



<u>AIRPORT</u> SKYHAVEN	<u>AIRPORT ID</u> KRCM	<u>PROCEDURE NAME</u> VOR-A	<u>AMDT NO.</u> 3A	<u>CITY</u> WARRENSBURG	<u>STATE</u> MO	<u>AIRPORT ELEVATION</u> 798	<u>FACILITY</u> ANX
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MSA

CENTER
ANX VORTAC

RADIUS
25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	TOWER (29-000027)	390421.00N/0943546.00W	260	21.9	2049	20	3	1A	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
SZL APP CON, ZKC ARTCC, COU FSS

<u>WX SERVICE</u> AWOS	<u>LOCATION</u> KRCM	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KRCM	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KSZL	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KSZL	<u>DISTANCE</u> 12.396	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 39

WX REMARKS:
RASS PRESSURE PATTERNS SAME
KRCM 798, KSZL 870
RA=38.6

<u>PRIMARY NAVAID</u> ANX VORTAC	<u>MONITOR POINT</u> MOCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>	
RW14 - MIRL (PCL), REIL (PCL)	BSC-G		
RW32 - MIRL (PCL), REIL (PCL)	BSC-G		
RW01 - MIRL (PCL), PAPI-4L	NPI-G		
RW19 - MIRL (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>	<u>TCH</u>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

ON CENTERLINE

FT FROM THRESHOLD

FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS



ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT</u> SKYHAVEN	<u>AIRPORT ID</u> KRCM	<u>PROCEDURE NAME</u> VOR-A	<u>AMDT NO.</u> 3A	<u>CITY</u> WARRENSBURG	<u>STATE</u> MO	<u>AIRPORT ELEVATION</u> 798	<u>FACILITY</u> ANX
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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	MAP	TO 1000FT POINT	2.12
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.17
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	140.62
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	886
DISTANCE FROM	MAP	TO 1500FT POINT	4.59
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	3.92
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	140.62
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	886

THRESHOLD
COORDINATES
(IF STR-IN)

ARP COORDINATES384703.00N/0934810.30W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 19 DISTANCE 0.47 NM

FAF
COORDINATES385147.03N/0935306.54W

FIX NAME
COORDINATES

REMARKS

QUALITY
6
CHECKED

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

Electronic Version

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FACILITY
ANX

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
WARDELL HENNING (GORDON LEMON)	AJV-A432	05/09/2019	AERONAUTICAL INFORMATION SPECIALIST

QUALITY
6
CHECKED