

**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> COLUMBIA RGNL	<u>AIRPORT ID</u> KCOU	<u>PROCEDURE NAME</u> VOR RWY 13	<u>ORIGINAL/AMENDMENT</u> 4A	<u>CITY</u> COLUMBIA	<u>STATE</u> MO	
<u>AIRPORT ELEVATION</u> 889	<u>TDZE</u> 888	<u>SUPERSEDED</u> VOR RWY 13	<u>ORIGINAL/AMENDMENT</u> 4	<u>DATED</u> 10/12/2017	<u>MAG VAR</u> 0E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> COU	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
BNTON INT		COU VOR/DME					348.59	13.18	2700
COU VOR/DME		SAPPY INT/COU 6.00 DME					332.75	6.00	2700
HLV VORTAC	IAF	ANNO INT/COU 12.00 DME	NOPT				226.42	12.24	2900
ANNO INT/COU 12.00 DME	IF	SAPPY INT/COU 6.00 DME					152.75	6.00 (COU R-333)	2700

**MISSED APPROACH**

**MAP:**

4.90 NM AFTER SAPPY INT/COU 6.00 DME OR AT COACT/COU 1.10 DME FIX

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1900 THEN CLIMBING RIGHT TURN TO 2700 ON COU VOR/DME R-333 TO SAPPY INT/COU 6.00 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW SAPPY, RT, 152.75 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 10000.
3. FAC: 152.75 FAF: SAPPY INT/COU 6.00 DME DIST FAF TO MAP: 4.90 DIST FAF TO THLD: 5.03
4. MIN ALT: SAPPY INT/COU 6.00 DME 2700, BATYE INT/COU 3.80 DME 1880
8. MSA FROM: COU VOR/DME 3100

**EQUIPMENT REQUIREMENTS NOTES:**

**NOTES:**

CHART NOTE: CIRCLING NA FOR CAT D W OF RWYS 2 AND 13.  
CHART NOTE: CIRCLING RWY 20 NA AT NIGHT.



CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT COU VOR/DME ON V12 SOUTHEAST.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HLV VORTAC AIRWAY RADIALS 177 CW 203.

ADDITIONAL FLIGHT DATA:

1060 AAO 385309N/0921442W  
CHART FAS OBST: 985 COMMUNICATION TWR 384945N/0921504W.  
CHART VDP AT 1.91 DME  
DISTANCE VDP TO THLD 0.96 NM.  
FAC CROSSES RWY C/L EXTENDED 5200 FT FROM THLD.  
CHART CIRCLING ICON.  
SAPPY TO RW13: 3.31/45.

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

ALTERNATE: NA ☐ CAT A, B 1000-2, CAT C, D 1000-3, 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
S-13	1880	1 1/4	991	1880	1 1/2	991	1880	3	991	1880	3	991			
CIRCLING	1880	1 1/4	991	1880	1 1/2	991	1880	3	991	1880	3	991			
BATYE FIX MINIMUMS															
S-13	1240	1	351	1240	1	351	1240	1	351	1240	1	351			
CIRCLING	1300	1	411	1340	1	451	1360	1 1/2	471	1440	2	551			

CHANGES - REASONS

1. CHANGED CIRCLING CAT C MINIMUMS FROM CMDA/HAA 1340/451 TO 1360/471. - NEW CONTROLLING OBSTACLE.  
2. ADDED CHART NOTE: CIRCLING RWY 20 NA AT NIGHT. - RWY 20 HAS UNLIT 20:1 PENETRATIONS/ENTERED INTO 20:1 TRACKER.  
3. ADDED " NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINIMUMS. - MEMO #266, ATTACHMENT 4, PARA 6.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: COU ATCT, MIZZU APCH CON, ZKC, MO STATE AERO, AMGR

FLIGHT CHECKED BY

ANTHONY D VALLERA

Digitally signed by  
WARDELL HENNING

Oct 16, 2020

OFFICE

FICO

DATE

10/09/2020

DEVELOPED BY

WARDELL HENNING (THOR CORNELL)

Digitally signed by  
WARDELL HENNING

Oct 16, 2020

OFFICE

AJV-A432

DATE

04/10/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by  
WARDELL HENNING

Oct 16, 2020

OFFICE

AJV-A430

DATE

TITLE  
MANAGER

