

**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.

<u>AIRPORT</u> COLUMBIA RGNL	<u>AIRPORT ID</u> KCOU	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 2B	<u>CITY</u> COLUMBIA	<u>STATE</u> MO	
<u>AIRPORT ELEVATION</u> 889	<u>TDZE</u> 889	<u>SUPERSEDED</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 0E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 291/30 CW 064/30	NOPT	ULUFA	IF/IAF	3100
2. 064/30 CW 111/30	NOPT	064/24 CW 111/24		3900
3. 064/24 CW 111/24		ULUFA	IF/IAF	3100
4. 111/30 CW 201/30		LIDPE	IAF	3100
5. 201/30 CW 291/30		RAGVE	IAF	3100

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LIDPE	IAF	ULUFA	NOPT	TF	FB	1.00	111.30	6.50	3100
RAGVE	IAF	ULUFA	NOPT	TF	FB	1.00	291.46	6.50	3100
ULUFA	IF/IAF	FECFE		TF	FB	1.00	021.38	6.50	2500
FECFE	FAF	SHAME/2.80 NM TO RW02		TF	FB	0.30	021.41	2.14	
SHAME/2.80 NM TO RW02		RW02	MAP	TF	FO	0.30	021.41	2.80	
RW02	MAP	1089 MSL		CA			021.41		
1089 MSL		AGVOY		DF	FO	1.00			3100



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW02

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3100 DIRECT AGVOY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD S ULUFA, LT, 021.38	INBOUND, 3100 FT. IN LIEU OF PT (IAF), MAX 6000.				
3. FAC: 021.41	FAF: FECFE		DIST FAF TO MAP: 4.94		DIST FAF TO THLD: 4.94
4. MIN ALT:	ULUFA 3100, FECFE 2500, SHAME/2.80 NM TO RW02 1820*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.51	GS ANT:
6. MIN GP INCPT: 2500	GP ALT AT FAF : FECFE 2500		OM:		MM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 45.0		IM:
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA FOR CAT D W OF RWYS 2 AND 13.
CHART NOTE: CIRCLING RWY 20 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4000.
CHART NOTE: **RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 201.50 INBOUND.
CHART FAS OBST: 965 TREE 384747N/0921359W.
DISTANCE TO THLD FROM 200 HAT: 0.51 NM.
CHART VDP AT 0.92 NM TO RW02*
*LNAV ONLY.
WAAS CHANNEL # 77599
REFERENCE PATH ID: W02A
CHART CIRCLING ICON.
LTP HAE: 236.4 M



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
LPV DA**	1089	2400	200	1089	2400	200	1089	2400	200	1089	2400	200			
LNAV/VNAV DA	1143	2400	254	1143	2400	254	1143	2400	254	1143	2400	254			
LNAV MDA	1220	2400	331	1220	2400	331	1220	2600	331	1220	2600	331			
CIRCLING	1300	1	411	1340	1	451	1360	1 1/2	471	1440	2	551			

CHANGES - REASONS

1. DELETED CHART NOTE: DME/DME RNP-0.3 NA. - NO LONGER REQUIRED.
2. ENTERED 20:1 IS CLEAR IN PROFILE SECTION. - 8260.19H, 8-6-11 K3.
3. ADDED PBN REQUIREMENTS NOTE: RNP APCH. - 8260.19H, 8-6-8B1.
4. CHANGED CIRCLING CAT C MINIMUMS FROM CMDA/HAA 1340/451 TO 1360/471. - NEW CONTROLLING OBSTACLE.
5. ADDED CHART NOTE: CIRCLING RWY 20 NA AT NIGHT. - EVALUATION REVEALED 20:1 PENETRATIONS FOR RWY 20/ENTERED INTO 20:1 TRACKER.
6. DELETED FAHRENHEIT TEMPERATURES FROM BARO-VNAV NOTE. - 8260.19H, 8-6-9S.
7. CHANGED CHART NOTE: "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4000". - 8260.3C, 3-3-2 VISIBILITY TABLES.
8. CHANGED LNAV CAT C/D MINIMUMS FROM RVR 2400 TO RVR 2600. - 8260.3C, 3-3-2 VISIBILITY TABLES.
9. ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINIMUMS. - MEMO #266, ATTACHMENT 4, PARA 6.
10. ADDED MAX 6000 C-I-H ON LINE 2 OF PROFILE. - 8260.19H, 8-6-8 B2.
11. FAS DATA BLOCK INFORMATION CHANGED LTP/FTP FROM LATITUDE 384818.7755N TO 384818.7750N, LENGTH OFFSET FROM 0768 TO 0496 AND CRC REMAINDER FROM 10581A45 TO 659AF9EB . - NEW SURVEY DATA.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: COU ATCT, MIZZU APP CON, ZKC ARTCC, ARPT MGR

FLIGHT CHECKED BY

ANTHONY D VALLERA

Digitally signed by OFFICE

WARDELL HENNING FICO

Oct 16, 2020

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



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCOU
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	384818.7755N
LTP/FTP LONGITUDE	0921325.4150W
LTP/FTP ELLIPSOIDAL HEIGHT	+02364
FPAP LATITUDE	384941.7915N
FPAP LONGITUDE	0921243.7500W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0496
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	659AF9EB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02689
FPAP ORTHOMETRIC HEIGHT	+02689



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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
COLUMBIA RGNL	KCOU	RNAV (GPS) RWY 2	2B	COLUMBIA	MO	889	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
291/30 CW 064/30

TO
ULUFA

<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 (29-001549)	382016.82N/0923551.29W		1473	20	3	1A	1000				AT627	3100
2.TERRAIN	382527.00N/0925457.00W		1083 (1100)								AS1500	2600

COMPUTATIONS

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

STRAIGHT-IN AREA

FROM
064/30 CW 111/30

TO
064/24 CW 111/24

<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 (29-002301)	383736.00N/0925204.00W		2872	500	50	5D	1000					3900
2.TERRAIN	382527.00N/0925457.00W		1083 (1100)								AS1500	2600

COMPUTATIONS

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



STRAIGHT-IN AREA

FROM
064/24 CW 111/24

TO
ULUFA

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
4.TOWER (29-001464)	383815.73N/0922935.13W		2037	500	125	5E	1000					3100
5.TERRAIN	382715.00N/0924739.00W		1077 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM
111/30 CW 201/30

TO
LIDPE

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
4.TOWER (29-001464)	383815.73N/0922935.13W		2037	500	125	5E	1000					3100
6.TERRAIN	390254.00N/0920545.00W		965 (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
201/30 CW 291/30

TO
RAGVE

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (29-001264)	384214.50N/0920521.80W		1799	500	125	5E	1000				AT301	3100
6.TERRAIN	390254.00N/0920545.00W		965 (1000)								AS1500	2500

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

INITIAL

FROM
LIDPE

TO
ULUFA

<u>RNP</u>	<u>DISTANCE</u> 6.50	<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>
8.AAO	383703.00N/0922318.00W		1073	164	98	4E	1000				AT1027	3100
9.TERRAIN	383703.00N/0922318.00W		873 (900)								AS1500	2400

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



INITIAL

FROM
RAGVE

TO
ULUFA

RNP	DISTANCE 6.50	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
10.AA0	383948.00N/0921409.00W		1047	250	125	4E	1000				AT1053	3100
11.TERRAIN	383948.00N/0921409.00W		847 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
ULUFA (IF/IAF)

TO
FECFE

RNP	DISTANCE 6.50	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
12.AAO	384327.00N/0921548.00W		1086	250	50	4D	500				AT914	2500
13.TERRAIN	384327.00N/0921548.00W		886 (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

FECFE

TO

RW02

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.94		DA		200							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				1089

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

FECFE

TO

RW02

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.94		DA		254							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
14.TREE (29-043506)	384746.99N/0921358.99W		965	20	10	1B	161				AC10	1143

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM
FECFE

TO
SHAME/2.80 NM TO RW02

RNP	DISTANCE 2.14	PAT	MAP	HAT				HMAS				
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
15.AAO	384430.00N/0921539.00W		1086	100	50	3D	250				DG360 RA80 AC43	1820

COMPUTATIONS

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

FINAL: LNAV STEPDOWN

FROM
SHAME/2.80 NM TO RW02

TO
RW02

RNP	DISTANCE 2.80	PAT	MAP RW02	HAT 331				HMAS				
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
14.TREE (29-043506)	384746.99N/0921358.99W		965	20	10	1B	250					1220

COMPUTATIONS

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



HOLD-IN-LIEU OF PT

FROM
ULUFA

TO
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
16.TOWER (29-001499)	383125.00N/0922426.00W		1362	500	125	5E	1000				AT738	3100
17.TERRAIN	383136.00N/0922530.00W		916 (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
AGVOY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 917					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3100
18.AAO	385310.94N/0921203.68W		1091	50	20	2C	1000					2100
19.TERRAIN	385310.94N/0921203.68W		891 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT

COLUMBIA RGNL

AIRPORT ID

KCOU

PROCEDURE NAME

RNAV (GPS) RWY 2

AMDT NO.

2B

CITY

COLUMBIA

STATE

MO

AIRPORT ELEVATION

889

FACILITY

RNAV

MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

AGVOY

RNP

DISTANCE

PAT

MAP

HAT

HMAS

975

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3100
18.AAO	385310.94N/0921203.68W	1091	50	20	2C	1000					2100
19.TERRAIN	385310.94N/0921203.68W	891 (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

RW02

TO

AGVOY

RNP

DISTANCE

PAT

MAP

HAT

HMAS

1120

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3100
18.AAO	385310.94N/0921203.68W	1091	50	20	2C	1000					2100
19.TERRAIN	385310.94N/0921203.68W	891 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

QUALITY

42

CHECKED

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

Electronic Version

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AIRPORT
COLUMBIA RGNL

AIRPORT ID
KCOU

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
2B

CITY
COLUMBIA

STATE
MO

AIRPORT ELEVATION
889

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											
20.TREE (29-043575)	384918.94N/0921208.41W	1.3	411	978	20	3	1A	300		XP22	1300
CATEGORY B											
21.TOWER (29-062465)	384945.50N/0921504.14W	1.84	451	987	20	10	1B	300		HAA	1340
CATEGORY C											
22.WATER_TOWER (29-062343)	384735.71N/0921612.73W	2.89	471	1046	20	10	1B	300			1360
CATEGORY D											
23.AAO	385310.94N/0921203.68W	3.77	551	1091	50	20	2C	300		HAA	1440

CIRCLING REMARKS:

XP 22: TO MAINTAIN CURRENT MINIMUMS

CENTER

RADIUS

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

110 FT VEGETATION.

FOR CONTINGENCY PURPOSES:

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE JEFFERSON CITY ALTIMETER SETTING: INCREASE ALL DA 80 FT AND LNAV/VNAV ALL CATS VISIBILITY TO RVR 2600; INCREASE ALL MDAS 80 FT AND LNAV CAT C/D VISIBILITY TO RVR 4000.

FOR INOPERATIVE ALS WHEN USING JEFFERSON CITY ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, INCREASE LNAV CAT C/D VISIBILITY TO RVR 6000.

**RVR 1800 NA WHEN USING JEFFERSON CITY ALTIMETER SETTING

VDP AND BARO-VNAV NA WHEN USING JEFFERSON CITY ALTIMETER SETTING.

QUALITY
42
CHECKED

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

Electronic Version

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PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
MIZZU APP CON, COU TOWER, ZKC ARTCC

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KCOU	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KCOU	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KJEF	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KJEF	<u>DISTANCE</u> 13.681	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 80

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KCOU 889, KJEF 543
RA = 80.0.

PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW13 - MIRL (PCL), REIL, PAPI-4L	NPI-G	
RW31 - MIRL (PCL), REIL, PAPI-4L	NPI-G	
RW02 - MALSR (PCL), HIRL (PCL)	PIR-G	APPROACH
RW20 - HIRL (PCL), REIL, ODALS (PCL)	PIR-G	

GLIDESLOPE ANGLE
3.00

ELEV RWY THRESHOLD
882.3

TCH
45.0

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE

TCH

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

ON CENTERLINE

X

X

FT FROM THRESHOLD

FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

CRITICAL LOW
-17C (+2F)

CRITICAL HIGH
+54C (+130F)

ACT
-17C

APT ISA
+13.23C

CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2012-2016).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 966 HIGH TEMP 1127.



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 20
20:1	
922 TREE (29-062347) 384933.92N/0921244.45W (2.79)	

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



<u>AIRPORT</u> COLUMBIA RGNL	<u>AIRPORT ID</u> KCOU	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>AMDT NO.</u> 2B	<u>CITY</u> COLUMBIA	<u>STATE</u> MO	<u>AIRPORT ELEVATION</u> 889	<u>FACILITY</u> RNAV
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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	3.05
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	021.41
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	4.74
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	021.41
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)

384818.78N/0921325.42W

ARP COORDINATES

384902.40N/0921304.90W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 2 DISTANCE 0.80 NM

FAF COORDINATES

384342.67N/0921543.78W

FIX NAME COORDINATES

IAF LIDPE: 384001.23N/0922629.14W, IAF ULUFA: 383739.18N/0921845.45W, IAF RAGVE: 383516.62N/0921102.28W

REMARKS

TAA STRAIGHT-IN:
291/30 CW 111/30 TO ULUFA.
TAA LEFT BASE: 111/30 CW 201/30 TO LIDPE.
TAA RIGHT BASE: 201/30 CW 291/30 TO RAGVE.

QUALITY
42
CHECKED

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

Electronic Version

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AIRPORT
COLUMBIA RGNL

AIRPORT ID
KCOU

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
2B

CITY
COLUMBIA

STATE
MO

AIRPORT ELEVATION
889

FACILITY
RNAV

PART E: PREPARED BY

NAME
WARDELL HENNING (THOR CORNELL)

OFFICE
AJV-A432

DATE
04/10/2020

TITLE
AERONAUTICAL INFORMATION SPECIALIST

