

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, 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 in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW02 CLIMB TO 3100 DIRECT AGVOY AND HOLD. 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						
LIDPE (IAF)		ULUFA (NOPT) (TF) (FB) (RNP 1.00)		111.30 / 6.50			3100								
RAGVE (IAF)		ULUFA (NOPT) (TF) (FB) (RNP 1.00)		291.46 / 6.50			3100								
ULUFA (IF/IAF)		FECFE (TF) (FB) (RNP 1.00)		021.38 / 6.50			2500								
FECFE (FAF)		SHAME/2.80 NM TO RW02 (TF) (FB) (RNP 0.30)		021.41 / 2.14											
SHAME/2.80 NM TO RW02		RW02 (MAP) (TF) (FO) (RNP 0.30)		021.41 / 2.80											
(SEE FORM 8260-10)															
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) 3. FAC: 021.41 FAF: FECFE DIST FAF TO MAP: 4.94 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: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: FECFE 2500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR 8. MSA FROM: _____															
										MAG VAR: 0E			EPOCH YEAR: 2020		
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD					
CATEGORY ==>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/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	2400	331	1220	2400	331			
CIRCLING	1300	1	411	1340	1	451	1340	1 1/2	451	1440	2	551			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA FOR CAT D W OF RWYS 2 AND 13. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 CHART NOTE: **RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.															
CITY AND STATE		ELEVATION: 889 TDZE: 889		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
COLUMBIA, MO		AIRPORT NAME:		COLUMBIA RGNL		RNAV (GPS) RWY 2, AMDT 2, 10/12/2017				AMDT: 1					
										DATED 12/22/2005					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW02 (MAP)	1089 MSL (CA)	021.41	

1089 MSL	AGVOY (DF) (FO) (RNP 1.00)		3100
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TAA

	FROM	TO	ALT
1.	291/30 CW 064/30 (NOPT)	ULUFA (IF/IAF) (FB)	3100
	064/30 CW 111/30 (NOPT)	064/24 CW 111/24	3900
	064/24 CW 111/24	ULUFA (IF/IAF) (FB)	3100
2.	111/30 CW 201/30	RAGVE (IAF) (FB)	3100
3.	201/30 CW 291/30	LIDPE (IAF) (FB)	3100

QUALITY
16
CHECKED

CITY AND STATE COLUMBIA, MO	ELEVATION: 889	TDZE: 889	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 2, 10/12/2017	SUP:
	AIRPORT NAME: COLUMBIA RGNL				AMDT: 1
					DATED: 12/22/2005

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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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	384941.7920N
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	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 10581A45

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY
16
CHECKED

CITY AND STATE COLUMBIA, MO	ELEVATION: 889 AIRPORT NAME: COLUMBIA RGNL	TDZE: 889 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 2, 10/12/2017	SUP:
				AMDT: 1
				DATED: 12/22/2005