

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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> KCOU	<u>PROCEDURE NAME</u> ILS OR LOC RWY 2	<u>ORIGINAL/AMENDMENT</u> 18	<u>CITY</u> COLUMBIA	<u>STATE</u> MO		
<u>AIRPORT ELEVATION</u> 889	<u>TDZE</u> 889	<u>SUPERSEDED</u> ILS OR LOC RWY 2	<u>ORIGINAL/AMENDMENT</u> 17	<u>DATED</u> 12/02/2021	<u>MAG VAR</u> 0E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-COU	<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>
COU VOR/DME		YATGU/I-COU 7.24 DME					202.49	6.27	2700
HLV VORTAC		YATGU/I-COU 7.24 DME					189.47	24.83	2700
MIZZU INT/HLV 36.05 DME	IAF	CATIL/I-COU 13.10 DME	NOPT				101.28 & 021.43	7.30 (HDG) (I-COU LR-209) & 3.94 (I-COU) (I-COU LR-209)	3000
CATIL/I-COU 13.10 DME	IF	YATGU/I-COU 7.24 DME					021.43	5.86 (I-COU)	2700

MISSED APPROACH

MAP:

ILS: DA
LOC: I-COU 1.39 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 ON COU VOR/DME R-020 TO BOVEN/COU 6.34 DME AND
HOLD, CONTINUE CLIMB-IN-HOLD TO 2700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD S YATGU, LT, 021.43 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 021.43FAF: YATGU/I-COU 7.24 DMEDIST FAF TO MAP:DIST FAF TO THLD: 5.86

4. MIN ALT: YATGU/I-COU 7.24 DME 2700, NEUKS/I-COU 3.38 DME 1540

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT: 1151

6. MIN GS INCPT: 2700GS ALT AT PFAF : YATGU/I-COU 7.24 DME 2700OM:MM:IM:

7. GP ANGLE: 2.8334:1:20:1:TCH: 58.2

8. MSA FROM: COU VOR/DME 3100

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING NA FOR CAT D W OF RWYS 2 AND 13.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HLV VORTAC AIRWAY RADIALS 155 CW 177.
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 953 TREE (29-062373) 384616N/0921407W.
HOLD N, LT, 200.40 INBOUND.
CHART VDP AT 2.26 DME
DISTANCE VDP TO THLD 0.88 NM.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA

☐

ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

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-ILS 2**	1089	2400	200	1089	2400	200	1089	2400	200	1089	2400	200			
S-LOC 2	1220	2400	331	1220	2400	331	1220	2600	331	1220	2600	331			
CIRCLING	1280	1	391	1340	1	451	1360	1 1/2	471	1440	2	551			

CHANGES - REASONS

1. UPDATED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 2700 ON I-COU LOCALIZER N COURSE (021) TO BOVEN/I-COU 5.37 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2700" TO "CLIMB TO 2700 ON COU VOR/DME R-020 TO BOVEN/COU 6.34 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2700." - LOCALIZER BACK COURSE HAS BEEN DECOMMISSIONED.



COORDINATED WITH:

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

FLIGHT CHECKED BY

TERRY HESTER

Digitally signed by

CASIMIR L TABAKA

Digitally signed by

CASIMIR L TABAKA

OFFICE

FPO

DATE

03/29/2022

DEVELOPED BY

LORRI DOWNEY

Digitally signed by

LORRI F DOWNEY

Mar 31, 2022

OFFICE

AJV-A432

DATE

01/07/2022

APPROVED BY

LONNIE EVERHART

Feb 07, 2022

OFFICE

AJV-A430

DATE

TITLE
MANAGER

Digitally signed by

CASIMIR L TABAKA

Digitally signed by

CASIMIR L TABAKA

Mar 31, 2022

Mar 31, 2022



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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KCOU	ILS OR LOC RWY 2	18	COLUMBIA	MO	889	I-COU

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
COU VOR/DME

TO
YATGU/I-COU 7.24 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	6.27											
<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>
TOWER (29-001477)	384728.00N/0921746.00W		1444	500	125	5E	1000				AT256	2700
TERRAIN	384621.00N/0921703.00W		918 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM
HLV VORTAC

TO
YATGU/I-COU 7.24 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	24.83										
<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>
TOWER (29-000075)	385317.00N/0921549.00W	1616	50	3	2A	1000				AT84	2700
TERRAIN	390530.00N/0920930.00W	931 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM
MIZZU INT/HLV 36.05 DME

TO
CATIL/I-COU 13.10 DME

RNP	DISTANCE 7.30/3.94	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (29-001499)	383125.00N/0922426.00W		1362	500	125	5E	1000				AT638	3000
TERRAIN	383036.00N/0923054.00W		915 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

DR INTERCEPT ANGLE: 80.00 DEGREES

INTERMEDIATE

FROM
CATIL/I-COU 13.10 DME

TO
YATGU/I-COU 7.24 DME

RNP	DISTANCE 5.86	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (29-002187)	384031.30N/0921453.68W		1030	50	20	2C	500				DG1170	2700
TERRAIN	384142.00N/0921536.00W		820 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: ILS

FROM
YATGU/I-COU 7.24 DME

TO
RW2

<u>RNP</u>	<u>DISTANCE</u> 5.86	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 200			<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>
								ASC				1089

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: LOC

FROM
YATGU/I-COU 7.24 DME

TO
NEUKS/I-COU 3.38 DME

<u>RNP</u>	<u>DISTANCE</u> 3.86	<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>
AAO	384318.43N/0921547.03W		1100	50	20	2C	250				RA80 DG110	1540

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: LOC STEPDOWN

FROM

NEUKS/I-COU 3.38 DME

TO

I-COU 1.39 DME

<u>RNP</u>	<u>DISTANCE</u> 2.00	<u>PAT</u>	<u>MAP</u> I-COU 1.39 DME	<u>HAT</u> 331			<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>
TREE (29-062373)	384615.61N/0921406.63W		953	20	3	1A	250					1220

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

YATGU

TO

P-4

RNP	DISTANCE	PAT P-4	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (29-001272)	384551.00N/0921852.00W		1420	500	125	5E	1000				AT280	2700
TERRAIN	384639.00N/0921712.00W		925 (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:



MISSED APPROACH : ILS

FROM
DA

TO
BOVEN/COU 6.34 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 919					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2700
AAO	385323.27N/0921246.53W		1090	50	20	2C	1000					2100
TERRAIN	384821.00N/0921327.00W		885 (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:

MISSED APPROACH : LOC

FROM
I-COU 1.39 DME

TO
BOVEN/COU 6.34 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 970					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2700
AAO	385323.27N/0921246.53W		1090	50	20	2C	1000					2100
TERRAIN	384821.00N/0921327.00W		885 (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:



AIRPORT ID

KCOU

PROCEDURE NAME

ILS OR LOC RWY 2

AMDT NO.

18

CITY

COLUMBIA

STATE

MO

AIRPORT ELEVATION

889

FACILITY

I-COU

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											
TREE (29-043575)	384918.94N/0921208.41W	1.30	391	978	20	3	1A	300			1280
CATEGORY B											
TOWER (29-062465)	384945.50N/0921504.14W	1.84	451	987	20	10	1B	300		HAA	1340
CATEGORY C											
WATER_TOWER (29-062343)	384735.71N/0921612.73W	2.89	471	1046	20	10	1B	300			1360
CATEGORY D											
AAO	385323.00N/0921248.32W	3.77	551	1090	50	20	2C	300		HAA	1440

CIRCLING REMARKS:

MSA

CENTER

COU VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (29-002111)	391549.00N/0920807.00W	008	27.4	2043	500	50	5D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100' VEGETATION USED PER FPT.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZKC ARTCC, MIZZU APP CON, COU TOWER

<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> 13.68	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 80

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

<u>PRIMARY NAVAID</u> I-COU	<u>MONITOR POINT</u> COU ATCT	<u>HRS OPERATION</u> TOWER OPEN TOWER CLOSED	<u>CAT</u> 1 3
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<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	
RW2 - MALSR (PCL), HIRL (PCL)	PIR-G	APPROACH
RW20 - HIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-G	

<u>GLIDESLOPE ANGLE</u> 2.83	<u>ELEV RWY THRESHOLD</u> 882.2	<u>TCH</u> 58.2	<u>ELEV GS ANTENNA</u> 880.0	<u>DISTANCE FROM RWY</u> 1151	<u>VGSI ANGLE</u>	<u>TCH</u>
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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



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.

FOR CONTINGENCY PURPOSES:
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE JEFFERSON CITY ALTIMETER SETTING: INCREASE DA TO 1169 FEET; INCREASE ALL MDAS 80 FEET AND VISIBILITY CAT C AND D TO RVR 4000.

**RVR 1800 NA WHEN USING JEFFERSON CITY ALTIMETER SETTING

VDP NA WITH JEFFERSON CITY ALTIMETER SETTING.

FOR INOPERATIVE ALS WHEN USING JEFFERSON CITY ALTIMETER SETTING, INCREASE S-ILS 2 ALL CAT'S VISIBILITY TO RVR 4500, AND INCREASE S-LOC 2 CAT C/D VISIBILITY TO RVR 6000.

APPROVAL LETTER FOR GLIDESLOPE ANGLE LESS THAN 3 DEGREES.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> KCOU	<u>PROCEDURE NAME</u> ILS OR LOC RWY 2	<u>AMDT NO.</u> 18	<u>CITY</u> COLUMBIA	<u>STATE</u> MO	<u>AIRPORT ELEVATION</u> 889	<u>FACILITY</u> I-COU
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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	3.19
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.91
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	021.43
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	5.26
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.35
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	021.43
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD
COORDINATES
(IF STR-IN)

384818.78N/0921325.42W

ARP COORDINATES

384903.85N/0921304.05W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 2 DISTANCE 0.80 NM

FAF
COORDINATES

384251.25N/0921609.49W

FIX NAME
COORDINATES

REMARKS

QUALITY
8
CHECKED

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

Electronic Version

Page 9 of 10

PART E: PREPARED BY

<u>NAME</u> LORRI DOWNEY	<u>OFFICE</u> AJV-A432	<u>DATE</u> 01/07/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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