

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> SIKESTON MEMORIAL MUNI	<u>AIRPORT ID</u> KSIK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> SIKESTON	<u>STATE</u> MO
<u>AIRPORT ELEVATION</u> 315	<u>TDZE</u> 315	<u>SUPERSEDED</u> RNAV (GPS) RWY 20	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 02/05/2015	<u>MAG VAR</u> 2W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 116/30 CW 296/30	NOPT	116/7 CW 296/7		3500
116/7 CW 296/7		IBEFY	IF/IAF	2200
2. 296/30 CW 116/30	PT	296/23 CW 116/23		2300
296/23 CW 116/23		IBEFY	IF/IAF	2200

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>
IBEFY	IF/IAF	ECANU		TF	FB	1.00	206.03	6.80	2000
ECANU	FAF	ZEVPO/1.60 NM TO RW21		TF	FB	0.30	206.00	3.55	
ZEVPO/1.60 NM TO RW21		RW21	MAP	TF	FO	0.30	206.00	1.60	
RW21	MAP	565 MSL		CA			206.00		
565 MSL		CUXID		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT CUXID AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD NE IBEFY, RT, 206.03 INBOUND, 2200 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 206.00FAF: ECANUDIST FAF TO MAP: 5.15DIST FAF TO THLD: 5.15
4. MIN ALT: IBEFY 2200, ECANU 2000, ZEVPO/1.60 NM TO RW21 860*
5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.65GS ANT:MM:IM:
6. MIN GP INCPT: 2000GP ALT AT FAF : ECANU 2000OM:MM:IM:
7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 45.4
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: BARO-VNAV NA WHEN USING CAPE GIRARDEAU ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CAPE GIRARDEAU ALTIMETER SETTING AND INCREASE ALL DA 49 FEET AND ALL MDA 60 FEET. INCREASE LNAV AND CIRCLING CAT C/D VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
WAAS CHANNEL #62823
REFERENCE PATH ID: W21A
FAS OBST: 454 TREE 365506N/0893234W.
HOLD SW, RT, 025.91 INBOUND
LTP HAE: 67.5 M

MINIMUMS:

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

ALTERNATE: NA ☒

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	565	1	250	565	1	250	565	1	250	565	1	250			
LNAV/VNAV DA	761	1 3/8	446	761	1 3/8	446	761	1 3/8	446	761	1 3/8	446			
LNAV MDA	720	1	405	720	1	405	720	1 1/8	405	720	1 1/8	405			
CIRCLING	840	1	525	860	1	545	1080	2 1/4	765	1160	2 3/4	845			



CHANGES - REASONS

- 1. INCORPORATED P-NOTAM 4-1596 - 8260.19H, 8-3-4 C(2).
- 2. ADDED 20:1 IS CLEAR IN PROFILE VIEW, LINE 7 - DOCUMENTATION REQUIRED IAW 8260.19H, PARA. 8-6-7.G.(3).
- 3. REMOVED CHART NOTE: DME/DME RNP-0.3 NA, ADDED PBN REQUIREMENTS NOTE: RNP APCH - APPLIED 8260.19H, PARA 1-1-5.F.(14) AND PARA 8-6-9.N.
- 4. REPLACED CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED WITH CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - UPDATED TO CURRENT CRITERIA IAW 8260.19H, PARA. 8-6-11.K.(3).
- 5. REPLACED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CAPE GIRARDEAU ALTIMETER SETTING AND INCREASE ALL DA 49 FEET AND ALL MDA 60 FEET. INCREASE LNAV/VNAV ALL CATS VISIBILTY 1/4 MILE. INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE." WITH "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CAPE GIRARDEAU ALTIMETER SETTING AND INCREASE ALL DA 49 FEET AND ALL MDA 60 FEET. INCREASE LNAV AND CIRCLING CAT C/D VISIBILITY 1/4 SM." - UPDATED NOTE FORMAT IAW 8260.19H, PARA. 8-6-11.O.(4).(B).
- 6. CHANGED LNAV/VNAV VISIBILITY FROM 1 1/2 TO 1 3/8 ALL CATS - NEW VISIBILITY TABLE APPLIED.
- 7. ADDED CAT D MINIMUMS FOR ALL PROCEDURES - MINIMUMS ADDED PER AIRPORT MANAGER/FPT REQUEST.
- 8. CRC REMAINDER CHANGED FROM 5E3961E1 TO 5B91D589 - RWY CHANGED FROM RW20 TO RW21, REF PATH ID (APPROACH ID) CHANGED FROM W20A TO W21A, FPAP LAT/LONG CHANGED FROM 365259.3000N/0893413.6600W TO 365452.6240N/0893310.9175W.

PDF EDIT:
TAA SECTORS RENUMBERED/DELETED.

- 09/18/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/13/18.
- 1. CRC REMAINDER CHANGED FROM 5B91D589 TO 109A12FC.
 - 2. FPAP LAT/LONG CHANGED FROM 365452.6240N/0893310.9175W TO 365259.2945N/0893413.6655W.



<u>AIRPORT</u> SIKESTON MEMORIAL MUNI	<u>AIRPORT ID</u> KSIK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> SIKESTON	<u>STATE</u> MO
<u>COORDINATED WITH:</u>					
A4A <input type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> <u>OTHER:</u> ZME, ST AV DIR, AMGR					
<u>FLIGHT CHECKED BY</u>		<u>OFFICE</u>	<u>DATE</u>		
<u>DEVELOPED BY</u>		<u>OFFICE</u>	<u>DATE</u>		
LONNIE EVERHART (ROBERT LYMAN)		AJV-5400	06/13/2018		
<u>APPROVED BY</u>		<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>	
LONNIE EVERHART		AJV-5400		MANAGER	



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSIK
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	365420.8175N
LTP/FTP LONGITUDE	0893328.5445W
LTP/FTP ELLIPSOIDAL HEIGHT	+00675
FPAP LATITUDE	365259.2945N
FPAP LONGITUDE	0893413.6655W
THRESHOLD CROSSING HEIGHT (TCH)	00045.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 109A12FC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+00958
FPAP ORTHOMETRIC HEIGHT	+00958



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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SIKESTON MEMORIAL MUNI	KSIK	RNAV (GPS) RWY 21	3	SIKESTON	MO	315	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM

116/30 CW 296/30

TO

116/7 CW 296/7

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.TOWER (29-000221)	372544.00N/0893014.00W	2487	250	50	4D	1000					3500
2.TERRAIN	373309.00N/0892048.00W	998 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

STRAIGHT-IN AREA

FROM

116/7 CW 296/7

TO

IBEFY

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (29-002592)	370946.00N/0892859.00W	993	500	50	5D	1000				AT207	2200
4.TERRAIN	371318.00N/0892245.00W	621 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



QUALITY
41
CHECKED

MISSED APPROACH : LPV

FROM

DA

TO

CUXID

RNP	DISTANCE	PAT	MAP	HAT	HMAS						
						377					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
15.TOWER (29-002503)	365244.00N/0893559.00W	589	50	20	2C	1000					1600
16.TERRAIN	364457.00N/0893454.00W	318 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

CUXID

RNP	DISTANCE	PAT	MAP	HAT	HMAS						
						599					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
15.TOWER (29-002503)	365244.00N/0893559.00W	589	50	20	2C	1000					1600
16.TERRAIN	364457.00N/0893454.00W	318 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



MISSED APPROACH : LNAV

FROM

RW21

TO

CUXID

RNP	DISTANCE	PAT	MAP	HAT	HMAS	620					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
15.TOWER (29-002503)	365244.00N/0893559.00W	589	50	20	2C	1000					1600
16.TERRAIN	364457.00N/0893454.00W	318 (300)								AS1500	1800

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
17.TOWER (29-002146)	365324.00N/0893501.00W	1.30	525	480	500	50	5D	300		AC50	840
CATEGORY B											
18.TOWER (29-000681)	365157.00N/0893324.00W	1.82	545	510	500	50	5D	300		AC50	860
CATEGORY C											
19.STACK (29-000898)	365244.00N/0893714.00W	2.85	765	764	20	3	1A	300			1080
CATEGORY D											
20.TOWER (29-001447)	365003.00N/0893239.00W	3.73	845	803	500	50	5D	300		AC50	1160

CIRCLING REMARKS:



CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-15C (+5F)	+54C (+130F)	-15C	-29.38C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 958 HIGH TEMP 1118.

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	LPV, LNAV/VNAV, AND LNAV		
20:1			
N/A			
Final Type	LPV, LNAV/VNAV, AND LNAV		
34:1			
364 TREE (29-027395) 365436.26N/0893315.20W (0.76)			

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
LPV SLOPE: 34:1

LNAV/VNAV SLOPE: 23.37:1

130 FOOT VEGETATION USED PER FPT.

MINIMUM AUTHORIZED VISIBILITY 1 SM PER MODOT.

VDP NOT ESTABLISHED: LESS THAN .5NM AFTER STEPDOWN.
PDF EDIT:
ADDED 30 NM TO IBEFY IN AIRSPACE LETTER.
SEE ATTACHED AIRSPACE LETTER.
ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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	2.95
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	204.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	300
DISTANCE FROM	THLD	TO 1500FT POINT	4.75
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	204.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	300

THRESHOLD
COORDINATES
(IF STR-IN) 365420.82N/0893328.54W

ARP COORDINATES 365356.00N/0893342.30W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 3 DISTANCE 0.45 NM

FAF
COORDINATES 365903.57N/0893051.82W

FIX NAME
COORDINATES IF/IAF IBEFY 30 NM: 370516.67N/0892724.48W

REMARKS



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
SIKESTON MEMORIAL MUNI	KSIK	RNAV (GPS) RWY 21	3	SIKESTON	MO	315	RNAV

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
LONNIE EVERHART (ROBERT LYMAN)	AJV-5400	06/13/2018	AERONAUTICAL INFORMATION SPECIALIST

