

**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.

AIRPORT ID SGF	PROCEDURE NAME RNAV (GPS) RWY 32	ORIGINAL/AMENDMENT 2C	CITY SPRINGFIELD	STATE MO
AIRPORT ELEVATION 1268	TDZE 1268	SUPERSEDED RNAV (GPS) RWY 32	DATED 11/12/2015	MAG VAR 3E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 7 AUGUST 2025	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2000
			CANCEL/SUSPEND	

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 229/30 CW 049/30	NOPT	229/8 CW 049/8		4600
2. 229/8 CW 049/8		RETHA	IF/IAF	3200
3. 049/30 CW 229/30		049/8 CW 229/8		4600
4. 049/8 CW 229/8		RETHA	IF/IAF	3200

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
RETHA	IF/IAF	APELL		TF	FB	1.00	318.87	6.03	2900
APELL	FAF	RW32	MAP	TF	FO	0.30	318.83	4.96	
RW32	MAP	1518 MSL		CA			318.83		
1518 MSL		JOGPU		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT JOGPU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | | | | | | | |
|---------------------------------|--|------------------------|------------------|-------------------------|----------|--------------------------|------|-----------------|------|----------------|--|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) | | | | | | |
| 2. | HOLD SE RETHA, RT, 318.87 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | | | | | | |
| 3. FAC: | 318.83 | FAF: | APELL | DIST FAF TO MAP: | 4.96 | DIST FAF TO THLD: | 4.96 | | | | |
| 4. MIN ALT: | RETHA 3200, APELL 2900 | | | | | | | | | | |
| 5. DIST TO THLD FROM OM: | | MM: | | IM: | | 150 HAT: | | 250 HAT: | 0.62 | GS ANT: | |
| 6. MIN GP INCPT: | 2900 | GP ALT AT PFAF: | APELL 2900 | | | OM: | | MM: | | IM: | |
| 7. GP ANGLE: | 3.00 | 34:1: | IS CLEAR | 20:1: | IS CLEAR | TCH: | 51.0 | | | | |
| 8. MSA FROM: | | | | | | | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HFJ ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HFJ ALTIMETER SETTING AND INCREASE LPV DA TO 1608 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE LNAV/VNAV DA TO 1820 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C AND D 1/4 SM, AND CIRCLING VISIBILITY CAT C AND D 1/2 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 138.68 INBOUND.
 CHART FAS OBST: 1490 TOWER (29-000490) 371128N/0931946W.
 CHART 1692 TOWER (29-000583) 371014N/0931927W.
 CHART VDP AT 1.37 NM TO RW32.
 WAAS CHANNEL # 72933
 REFERENCE PATH ID: W32A
 CHART CIRCLING ICON.
 LTP HAE: 357.2 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									
LPV DA	1518	3/4	250	1518	3/4	250	1518	3/4	250	1518	3/4	250			
LNAV/VNAV DA	1730	1 3/8	462	1730	1 3/8	462	1730	1 3/8	462	1730	1 3/8	462			
LNAV MDA	1740	1	472	1740	1	472	1740	1 3/8	472	1740	1 3/8	472			
CIRCLING	1760	1	492	1820	1	552	1820	1 1/2	552	1920	2	652			



CHANGES - REASONS

1. PROFILE: LINE 5 ADDED "250 HAT: 0.62" – UPDATED CRITERIA MOVED FROM ADDITIONAL FLIGHT DATA.
2. PROFILE: LINE 7 ADDED "TCH: 51.0" – 8260.19J, 8-6-7.G(2).
3. PBN REQUIREMENTS: ADDED "RNP APCH – GPS" – 8260.19J, 8-6-8, D.
4. NOTES: DELETED "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MONETT ALTIMETER SETTING" – KSGF ASOS REPORTS TO WMSCR, SPRINGFIELD APPROACH CONTROL AND TOWER OPEN CONTINUOUSLY.
5. NOTES: CHANGED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (4F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" – CRITICAL TEMPERATURES DOCUMENTED IN CELSIUS ONLY IAW 8260.19J, 8-6-10.R.
6. NOTES: ADDED "BARO-VNAV AND VDP NA WHEN USING HFJ ALTIMETER SETTING" – IAW 8260.19J 8-6-10.E.(8) AND (9).
7. NOTES: CHANGED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONETT ALTIMETER SETTING AND INCREASE ALL DA 90 FEET AND ALL MDA 100 FEET; INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS 3/8 MILE, LNAV CATS C AND D 1/4 MILE AND CIRCLING CAT C 1/4 MILE AND CAT D 1/2 MILE" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HFJ ALTIMETER SETTING AND INCREASE LPV DA TO 1608 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE LNAV/VNAV DA TO 1820 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C AND D 1/4 SM, AND CIRCLING VISIBILITY CAT C AND D 1/2 SM" – IAW 8260.19I 8-6-10.F(4).
8. NOTES: DELETED "DME/DME RNP-0.3 NA" – UPDATED CRITERIA.
9. NOTES: CHANGED "CHART PROFILE NOTE: VGSI AND RNAV GUIDEPATH NOT COINCIDENT" TO "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" – 8260.19J, 8-6-10.M.
10. ADDITIONAL FLIGHT DATA: CHANGED "CHART: 1696 TOWER 371016N/0931928W" TO "CHART 1692 TOWER (29-000583) 371014N/0931927W" – 8260.19J IMPLEMENTATION MESSAGE ATTACHMENT 4 PAR 11.
11. ADDITIONAL FLIGHT DATA: DELETED "DISTANCE TO THLD FROM 200 HATH: 0.47 NM" – DATA MOVED TO PROFILE.
12. ADDITIONAL FLIGHT DATA: DELETED "LNAV ONLY" – UPDATED CRITERIA.
13. MINIMUMS: LNAV/VNAV DA/HAT INCREASED FROM "1660/392" TO "1730/462" – NEW CONROLLING OBSTACLE, CANCELS T-NOTAM 4/6118.
14. MINIMUMS: LNAV/VNAV VISIBILITY ALL CATEGORIES INCREASED FROM "1 1/4" TO "1 3/8" – NEW CONROLLING OBSTACLE, CANCELS T-NOTAM 4/6118.
15. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM "61290AE2" TO "F5DA2B20" – LTP/FTP LAT/LONG CHANGED FROM "371416.7175N/0932300.6365W" TO "371416.7175N/0932300.6355W"; FPAP LAT/LONG CHANGED FROM "371526.8100N/0932409.6700W" TO "371526.8105N/0932409.6670W".
16. FAS DATA BLOCK INFORMATION: VERTICAL ALERT LIMIT (VAL) INCREASED FROM "35.0" TO "50.0" - LPV HAT WAS RAISED FROM 200 TO 250 PER AMDT 2A, RAISING VAL IAW 8260.19J APPENDIX K.4.X.

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA

OTHER: ZKC, SGF APCH, AMGR, MO AERO

FLIGHT CHECKED BY

JEFFREY J SCORSE

Digitally signed by
CASIMIR L TABAKA
 May 08, 2025

OFFICE

AJF

DATE

05/07/2025

DEVELOPED BY

CASIMIR L. TABAKA (RONALD K. STROBACH)

Digitally signed by
CASIMIR L TABAKA
 May 08, 2025

OFFICE

AJV-A432

DATE

03/26/2025

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
 May 08, 2025

OFFICE

AJV-A432

DATE

**TITLE
MANAGER**



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSGF
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	371416.7175N
LTP/FTP LONGITUDE	0932300.6355W
LTP/FTP ELLIPSOIDAL HEIGHT	+03572
FPAP LATITUDE	371526.8105N
FPAP LONGITUDE	0932409.6670W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER F5DA2B20

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03865
FPAP ORTHOMETRIC HEIGHT	+03865

