

**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 ID</u> KSGH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> SPRINGFIELD	<u>STATE</u> OH		
<u>AIRPORT ELEVATION</u> 1051	<u>TDZE</u> 1048	<u>SUPERSEDED</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 12/17/2009	<u>MAG VAR</u> 4W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 148/30 CW 328/30	NOPT	FASVU	IF/IAF	3000
2. 328/30 CW 058/30		JAKEK	IAF	3000
3. 058/30 CW 148/30		058/26 CW 148/26		3100
4. 058/26 CW 148/26		GEBGE	IAF	3000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
JAKEK	IAF	FASVU	NOPT	TF	FB	1.00	328.36	5.00	3000
GEBGE	IAF	FASVU	NOPT	TF	FB	1.00	148.28	5.00	3000
FASVU	IF/IAF	CEVKI		TF	FB	1.00	238.32	6.01	2800
CEVKI	FAF	RW24	MAP	TF	FO	0.30	238.25	5.29	
RW24	MAP	1248 MSL		CA			238.25		
1248 MSL		KAPTE		DF	FB	1.00			
KAPTE		ANDII		TF	FO	1.00	127.05	16.23	3000



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW24

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT KAPTE AND LEFT TURN ON TRACK 127.05 TO ANDII AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD NE FASVU, RT, 238.32 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	238.25	FAF: CEVKI	DIST FAF TO MAP: 5.29		DIST FAF TO THLD: 5.29
4. MIN ALT:	FASVU 3000, CEVKI 2800				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.49	GS ANT:
6. MIN GP INCPT:	2800	GP ALT AT FAF :	CEVKI 2800	OM:	MM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 54.0	IM:
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 SM, INCREASE LNAV CATS C AND D VISIBILITY TO 1 1/8 SM

ADDITIONAL FLIGHT DATA:

1320 AAO 395415N/0834504W.
HOLD SE, LT, 328.00 INBOUND.
FAS OBST: 1300 AAO 395349N/0834517W.
CHART VDP AT 1.14 NM TO RW24.
WAAS CHANNEL # 97615
REFERENCE PATH ID: W24A
CHART CIRCLING ICON.
LTP HAE: 282.8 M



MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	1248	1/2	200	1248	1/2	200	1248	1/2	200	1248	1/2	200			
LNAV/VNAV DA	1398	5/8	350	1398	5/8	350	1398	5/8	350	1398	5/8	350			
LNAV MDA	1560	1/2	512	1560	1/2	512	1560	3/4	512	1560	3/4	512			
CIRCLING	1560	1	509	1580	1	529	1580	1 1/2	529	1620	2	569			

CHANGES - REASONS

1. REMOVED CHART NOTE: ALSF-2 REVERTS TO SSALR WHEN TOWER IS CLOSED - NO ALSF FOR RWY 24.
2. ADDED 20:1 IS CLEAR TO PROFILE LINE 7 - NO 20:1 PENETRATIONS EXIST.
3. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS - 8260.19I, 8-6-8B2.
4. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 3000 DIRECT KAPTE AND LEFT TURN VIA TRACK 127.05 TO ANDII AND HOLD." TO "CLIMB TO 3000 DIRECT KAPTE AND LEFT TURN ON TRACK 127.05 TO ANDII AND HOLD." - PER CURRENT CRITERIA.
5. CHANGED CHART NOTE: FROM "FOR UN COMPENSATED BARO-VNAV SYSTEMS. LNAV/VNAV NA BELOW -17C(2F) OR ABOVE 47C(116F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS. LNAV/VNAV NA BELOW -27C OR ABOVE 54C" - IAW 8260.19I, 8-6-9R.
6. CHANGED IN ADDITIONAL FLIGHT DATA "CHART FAS OBST: 1133 TREE 395121N/0834911W" TO "FAS OBST: 1300 AAO 395349N/0834517W" - IAW 8260.19I, 8-6-10C.
7. CHANGED "CHART 1250 TOWER 395340N/0834326W" TO "1320 AAO 395415N/0834504W" IN ADDITIONAL FLIGHT DATA - NEW 7:1 CONTROLLING OBSTACLE.
8. CHANGED "CHART VDP AT 0.97 NM TO RW24." TO "CHART VDP AT 1.14 NM TO RW24." IN ADDITIONAL FLIGHT DATA - NEW TARGETS EVALUATION.
9. ADDED "CHART CIRCLING ICON." TO ADDITIONAL FLIGHT DATA. - NEW CIRCLING RADIUS INCORPORATED.
10. CHANGED "LTP HAE:" IN ADDITIONAL FLGHT DATA FROM "282.9M" TO "282.8M." - NEW TARGETS EVALUATION.
11. IN FAS DATA: CHANGED CRC REMAINDER FROM CC5C09F1 TO 3A469C47 - LTP/FTP ELLIPSOIDAL HEIGHT CHANGED.
12. IN FAS DATA: CHANGED LTP/FTP ELLIPSOIDAL HEIGHT FROM +02829 TO +02828 - PER CURRENT AIRNAV DATA.
13. CHANGED LNAV MDA/HAT FROM 1400/352 TO 1560/512 - NEW CONTROLLING OBSTACLE.
14. CHANGED CIRCLING CAT A CMDA/HAA FROM 1480/429 TO 1560/509, CAT B/C CMDA/HAA FROM 1520/469 TO 1580/529 - NEW CONTROLLING OBSTACLES.
15. CHANGED LNAV/VNAV ALL CATS VISIBILITY FROM 3/4 SM TO 5/8 SM - PER UPDATED 8260.3D VIS TABLES.
16. CHANGED LNAV CAT C VISIBILITY FROM 1/2 SM TO 1 3/4 SM AND CAT D VISIBILITY FROM 1 SM TO 3/4 SM - PER UPDATED 8260.3D VIS TABLES.
17. CHANGED IN PROFILE LINE 6 FROM "GS ALT AT: CEVKI" TO "GP ALT AT FAF: CEVKI 2800" - 8260.19I 8-6-7F.
18. ADDED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - 8260.19I, 8-6-9.M (1).
19. ADDED MAX HOLD-IN-LIEU ALTITUDE OF 6000 TO PROFILE LINE 2 - 8260.19I, 8-6-7, B(2).
20. CHANGED LNAV/VNAV ALL CATS VISIBILITY FROM "3/4 TO 5/8" - PER UPDATED 8260.3D VIS TABLES.
21. MOVED BACKUP ALTIMETER NOTE TO PART C REMARKS AS A CONTINGENCY NOTE - BOTH ALTIMETER SOURCES ON WMSCR.
22. REMOVED *LNAV ONLY FROM ADDITIONAL FLIGHT DATA - IAW 8260.19I 8-6-10M.
23. INCORPORATED NOTAM FDC 1/0246 INTO PROCEDURE.



AIRPORT ID
KSGH

PROCEDURE NAME
RNAV (GPS) RWY 24

ORIGINAL/AMENDMENT
ORIG-A

CITY
SPRINGFIELD

STATE
OH

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: AMGR, ZID, SGH ATCT, DAY APP CON, ATA

FLIGHT CHECKED BY

JAMES ONIEAL

Digitally signed by
DONALD H LANIER

OFFICE

FPO

DATE

09/09/2021

DEVELOPED BY

DONALD H. LANIER (ZACHARY KRUEGER)

Sep 13, 2021
Digitally signed by

OFFICE

AJV-A431

DATE

07/21/2021

APPROVED BY

LONNIE EVERHART

DONALD H LANIER
Sep 13, 2021
Digitally signed by
DONALD H LANIER
Sep 13, 2021

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	KSGH
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	395058.3405N
LTP/FTP LONGITUDE	0834931.3515W
LTP/FTP ELLIPSOIDAL HEIGHT	+02828
FPAP LATITUDE	395006.1615N
FPAP LONGITUDE	0835105.1560W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	3A469C47

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03160
FPAP ORTHOMETRIC HEIGHT	+03160

