

**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 6	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> SPRINGFIELD	<u>STATE</u> OH		
<u>AIRPORT ELEVATION</u> 1051	<u>TDZE</u> 1051	<u>SUPERSEDED</u> RNAV (GPS) RWY 6	<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

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 328/30 CW 148/30	NOPT	328/7 CW 148/7		3100
2. 328/7 CW 148/7		NAMGE	IF/IAF	2800
3. 148/30 CW 238/30		HAPOB	IAF	2900
4. 238/30 CW 328/30		LATGY	IAF	2900

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>
LATGY	IAF	NAMGE	NOPT	TF	FB	1.00	328.09	5.00	2800
HAPOB	IAF	NAMGE	NOPT	TF	FB	1.00	148.01	5.00	2800
NAMGE	IF/IAF	KAPTE		TF	FB	1.00	058.05	6.03	2800
KAPTE	FAF	RW6	MAP	TF	FO	0.30	058.12	5.27	
RW6	MAP	1354 MSL		CA			058.12		
1354 MSL		CEVKI		DF	FB	1.00			
CEVKI		ANDII		TF	FO	1.00	170.56	16.37	3000

QUALITY
16
CHECKED

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW6

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT CEVKI AND RIGHT TURN ON TRACK 170.56 TO ANDII AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SW NAMGE, RT, 058.05 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	058.12	FAF: KAPTE	DIST FAF TO MAP: 5.27		DIST FAF TO THLD: 5.27
4. MIN ALT:	NAMGE 2800, KAPTE 2800				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	303 HAT: 0.80	GS ANT:
6. MIN GP INCPT:	2800	GP ALT AT FAF :	KAPTE 2800	OM:	MM:
7. GP ANGLE:	3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 45.0	IM:
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 328.00 INBOUND.
FAS OBST: 1250 AAO 394801N/0835614W.
CHART VDP AT 1.27 NM TO RW06.
WAAS CHANNEL # 58115
REFERENCE PATH ID: W06A
CHART CIRCLING ICON.
LTP HAE: 287.2 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	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1354	7/8	303	1354	7/8	303	1354	7/8	303	1354	7/8	303			
LNAV/VNAV DA	1429	1	378	1429	1	378	1429	1	378	1429	1	378			
LNAV MDA	1500	1	449	1500	1	449	1500	1 3/8	449	1500	1 3/8	449			
CIRCLING	1500	1	449	1580	1	529	1580	1 1/2	529	1620	2	569			

CHANGES - REASONS

1. PROFILE LINE 5: CHANGED "303 HAT:" FROM 0.81 TO 0.80 - NEW TARGETS EVALUATION.
2. CHANGED "CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA" TO "CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 34:1 PENETRATIONS EXIST.
3. ADDED 20:1 IS CLEAR IN PROFILE LINE 7 - NO 20:1 PENETRATIONS EXIST.
4. CHANGED CIRCLING CAT B/C FROM MDA/HAA 1520/469 TO 1580/529 - NEW CONTROLLING OBSTACLE.
5. CHANGED CHART NOTE: FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS. LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C"- IAW 8260.19I, 8-6-9R.
6. MOVED BACKUP ALTIMETER NOTE TO PART C REMARKS AS A CONTINGENCY NOTE - BOTH ALTIMETER SOURCES ON WMSCR.
7. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. - 8260.19I, 8-6-8B2.
8. CHANGED "CHART FAS OBST: 1185 TOWER 394835N/0835241W, 1159 TREE 395015N/0835119W" TO "FAS OBST: 1250 AAO 394801N/0835614W" - IAW 8260.19I, 8-6-10C.
9. CHANGED "LTP HAE: 287.3M" IN ADDITIONAL FLIGHT DATA TO "LTP HAE: 287.2M" - NEW TARGETS EVALUATION.
10. CHANGED LPV ALL CATS VISIBILITY FROM 1 SM TO 7/8 SM - PER UPDATED 8260.3D VIS TABLES.
11. CHANGED LNAV/VNAV ALL CATS VISIBILITY FROM 1 1/4 SM TO 1 SM - PER UPDATED 8260.3D VIS TABLES.
12. CHANGED LNAV CAT C VISIBILITY FROM 1 1/4 SM TO 1 3/8 SM AND CAT D VISIBILITY FROM 1 1/2 SM TO 1 3/8 SM - PER UPDATED 8260.3D VIS TABLES.
13. IN FAS DATA. CHANGED CRC REMAINDER FROM 5CE467F0 TO 1E7FADBE - LTP/FTP ELLIPSOIDAL HEIGHT CHANGED.
14. IN FAS DATA. CHANGED LTP/FTP ELLIPSOIDAL HEIGHT FROM +02873 TO +02872 - PER CURRENT AIRNAV DATA.
15. ADDED CA LEG "RW6 TO 1354MSL" TO MISSED APPROACH - NEW TARGETS EVALUATION.
16. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 3000 DIRECT CEVKI AND RIGHT TURN VIA TRACK 170.56 TO ANDII AND HOLD." TO "CLIMB TO 3000 DIRECT CEVKI AND RIGHT TURN ON TRACK 170.56 TO ANDII AND HOLD." - PER CURRENT CRITERIA.
17. ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA. - NEW CIRCLING RADIUS INCORPORATED.
18. CHANGED IN PROFILE LINE 6 FROM "GS ALT AT: KAPTE" TO "GP ALT AT FAF: KAPTE 2800" - 8260.19I 8-6-7F.
19. REMOVED *LNAV ONLY FROM ADDITIONAL FLIGHT DATA - IAW 8260.19I 8-6-10M.
20. REMOVED "1249 AAO 394714N/0835651W" FROM ADDITIONAL FLIGHT DATA - NEW TARGETS EVALUATION.
21. ADDED MAX HOLD-IN-LIEU ALTITUDE OF 6000 TO PROFILE LINE 2 - 8260.19I, 8-6-7, B(2).
22. INCORPORATED NOTAM FDC 1/0235 INTO PROCEDURE.



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

Sep 13, 2021

OFFICE

FPO

DATE

09/09/2021

DEVELOPED BY

DONALD H. LANIER (ZACHARY KRUEGER)

Digitally signed by

DONALD H LANIER

Sep 13, 2021

OFFICE

AJV-A431

DATE

07/20/2021

APPROVED BY

LONNIE EVERHART

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	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	395006.2425N
LTP/FTP LONGITUDE	0835105.0105W
LTP/FTP ELLIPSOIDAL HEIGHT	+02872
FPAP LATITUDE	395058.4200N
FPAP LONGITUDE	0834931.2000W
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	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	1E7FADBE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03204
FPAP ORTHOMETRIC HEIGHT	+03204

