

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 33	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> SPRINGFIELD	<u>STATE</u> OH		
<u>AIRPORT ELEVATION</u> 1051	<u>TDZE</u> 1047	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<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. 058/30 CW 238/30		058/15 CW 238/15		3100
2. 058/15 CW 238/15		SHADS	IF/IAF	2800
3. 238/30 CW 058/30	NOPT	238/15 CW 058/15		3000
4. 238/15 CW 058/15		SHADS	IF/IAF	2800

TERMINAL ROUTES

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 21-24

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SHADS	IF/IAF	LOANE		TF	FB	1.00	328.28	6.00	2800
LOANE	FAF	CASIR/1.92 NM TO RW33		TF	FB	0.30	328.23	3.40	
CASIR/1.92 NM TO RW33		RW33	MAP	TF	FO	0.30	328.23	1.92	
RW33	MAP	1600 MSL		CA			328.23		1600
1600 MSL		ANDII		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ANDII AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD SE SHADS, RT, 328.28 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 2800.

3. FAF: 328.23 FAF: LOANE DIST FAF TO MAP: 5.32 DIST FAF TO THLD: 5.32

4. MIN ALT: LOANE 2800, CASIR/1.92 NM TO RW33 1700

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 302 HAT: 0.84 GS ANT:

6. MIN GP INCPT: 2800 GP ALT AT PFAF : LOANE 2800 OM: MM: IM:

7. GP ANGLE: 3.05 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 36.5

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 33 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.
CHART FAS OBST: 1173 TREE (39-098782) 394823N/0834847W.
CHART VDP AT 1.13 NM TO RW33.
WAAS CHANNEL # 77545
REFERENCE PATH ID: W33A
CHART CIRCLING ICON.
LTP HAE: 284.2 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	1349	7/8	302	1349	7/8	302	1349	7/8	302	1349	7/8	302			
LNAV/VNAV DA	1350	7/8	303	1350	7/8	303	1350	7/8	303	1350	7/8	303			
LNAV MDA	1440	1	393	1440	1	393	1440	1 1/8	393	1440	1 1/8	393			
CIRCLING	1480	1	429	1580	1	529	1580	1 1/2	529	1620	2	569			



CHANGES - REASONS

THIS IS AN ORIGINAL PROCEDURE.

10/06/2021: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 8/03/21
REMOVED NOTE: BARO-VNAV AND VDP NA WHEN USING WRIGHT-PATTERSON AFB ALTIMETER SETTING.
ADDED "STANDARD" TO ALT MINS - NA WHEN LOCAL WEATHER NOT AVAILABLE

COORDINATED WITH:

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

FLIGHT CHECKED BY
JAMES BRIAN ONIEAL

Digitally signed by
CASIMIR L TABAKA

Oct 06, 2021

OFFICE
FIOG

DATE
08/25/2021

DEVELOPED BY
SYLVAN DRAKES

Digitally signed by
CASIMIR L TABAKA

Oct 06, 2021

OFFICE
AJV-A411

DATE
07/06/2021

APPROVED BY
JULIE MORGAN

Digitally signed by
CASIMIR L TABAKA

Oct 06, 2021

OFFICE
AJV-A410

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	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	394951.1360N
LTP/FTP LONGITUDE	0835014.4245W
LTP/FTP ELLIPSOIDAL HEIGHT	+02842
FPAP LATITUDE	395103.4455N
FPAP LONGITUDE	0835122.1130W
THRESHOLD CROSSING HEIGHT (TCH)	00036.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.05
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	1E791FBC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03174
FPAP ORTHOMETRIC HEIGHT	+03174

