

**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.

<b>AIRPORT</b> AKRON FULTON INTL	<b>AIRPORT ID</b> KAKR	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 25	<b>ORIGINAL/AMENDMENT</b> ORIG-B	<b>CITY</b> AKRON	<b>STATE</b> OH
<b>AIRPORT ELEVATION</b> 1068	<b>TDZE</b> 1059	<b>SUPERSEDED</b> RNAV (GPS) RWY 25	<b>ORIGINAL/AMENDMENT</b> ORIG-A	<b>DATED</b> 08/18/2016	<b>MAG VAR</b> 7W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 23 MAY 2019	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>CANCEL/SUSPEND</b>	<b>EPOCH YEAR</b> 1990

**TAA**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>ALTITUDE</b>
1. 159/30 CW 339/30	NOPT	159/20 CW 339/20		3600
2. 159/20 CW 339/20		OGVOE	IF/IAF	3100
3. 339/30 CW 159/30		OGVOE	IAF	3100

**TERMINAL ROUTES**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>LEG TYPE</b>	<b>FO/FB</b>	<b>RNP</b>	<b>COURSE</b>	<b>DISTANCE</b>	<b>ALTITUDE</b>
OGVOE	IF/IAF	IRAYO		TF	FB	1.00	249.10	6.50	2300
IRAYO	FAF	ESPUQ/1.60 NM TO RW25		TF	FB	0.30	249.02	2.16	
ESPUQ/1.60 NM TO RW25		RW25	MAP	TF	FO	0.30	249.02	1.60	
RW25	MAP	1468 MSL		CA			249.02		
1468 MSL		AWNEV		DF	FO	1.00			3100

**MISSED APPROACH**

**MAP:**

LP: RW25  
LNAV: RW25

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3100 DIRECT AWNEV AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. **PT**      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
- 2. HOLD E OGVOE, RT, 249.10 INBOUND, 3100 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 249.02      **FAF:** IRAYO                      **DIST FAF TO MAP:** 3.76                      **DIST FAF TO THLD:** 3.76
- 4. **MIN ALT:** OGVOE 3100, IRAYO 2300, ESPUQ/1.60 NM TO RW25 1600
- 5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **GS ANT:**
- 6. **MIN GP INCPT:**                      **GP ALT AT FAF :**                      **OM:**                      **MM:**                      **IM:**
- 7. **GP ANGLE:**                      **34:1:** IS NOT CLEAR      **20:1:** IS NOT CLEAR      **TCH:**
- 8. **MSA FROM:**

**PBN REQUIREMENTS NOTE:**

RNP APCH.

**NOTES:**

CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON  
 CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.  
 WAAS CHANNEL #99735  
 REFERENCE PATH ID: W25A  
 CHART FAS OBST: 1258 TREE 410256N/0812603W, 1292 TANK 410242N/0812517W.  
 1399 AAO 410425N/0812314W.  
 HOLD W, RT, 068.97 INBOUND  
 LTP HAE: 289.4 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - CAT D 800-2 1/2

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
LP MDA	1520	1	461	1520	1	461	1520	1 3/8	461	1520	1 3/8	461				
LNAV MDA	1560	1	501	1560	1	501	1560	1 3/8	501	1560	1 3/8	501				
CIRCLING	1600	1	532	1680	1	612	1800	2	732	1840	2 1/2	772				

**CHANGES - REASONS**

1. DELETED CHART NOTE "PROCEDURE NA AT NIGHT" - ALL 20:1 OBSTACLES MITIGATED
2. CHANGED PROFILE NOTE: "DESCENT ANGLE NA" TO "VISUAL SEGMENT - OBSTACLES" - NEW NOTE FORMAT.
3. INCORPERATED P-NOTAM 6/1393 - CHANGED HELICOPTER VISIBILITY NOTE TO READ RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED FROM HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED - 8260.19H, 8-3-4 C.(2).
4. ADDED MAX HOLDING 6000 IN PROFILE VIEW - PER CRITERIA.
5. DELETED CHART NOTE "DME/DME RNP 0.3 NA" - NO LONGER REQUIRED.
6. ADDED EQUIPMENT REQUIREMENT NOTE "RNP APCH" - PER 8260.19H.
7. REMOVED ALL REFERENCE OF BACK-UP ALTIMETER SETTING AND PLACED ON -9 FOR CONTINGENCY - LOCAL WEATHER TRANSMITTED ON WMSCR AND DEEMED RELIABLE.



**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZOB, CAK APP CON, CLE FSS, AMGR

**FLIGHT CHECKED BY**

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED

**DEVELOPED BY**

ROBERT G HAMILTON (STEVEN DOUGHERTY)

**APPROVED BY**

JULIE MORGAN

**OFFICE**

**OFFICE**  
AJV-A422

**OFFICE**  
AJV-A42

**DATE**

**DATE**  
01/21/2019

**DATE**

*Digitally signed by*  
**ROBERT G HAMILTON**  
Feb 22, 2019

*Digitally signed by*  
**ROBERT G HAMILTON**  
Feb 22, 2019

*Digitally signed by*  
**ROBERT G HAMILTON**  
Feb 22, 2019

**TITLE**  
MANAGER



**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAKR
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	410228.2285N
LTP/FTP LONGITUDE	0812730.1525W
LTP/FTP ELLIPSOIDAL HEIGHT	+02894
FPAP LATITUDE	410146.3200N
FPAP LONGITUDE	0812914.0700W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0896
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER 10B27E94

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03228
FPAP ORTHOMETRIC HEIGHT	+03228

