

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</u> GAINESVILLE MUNI	<u>AIRPORT ID</u> KGLE	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> GAINESVILLE	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 846	<u>TDZE</u> 818	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 01/05/2017	<u>MAG VAR</u> 3E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
WATEN	IAF	ILICAC	NOPT	TF	FB	1.00	088.05	7.00	3000
WAWLS	IAF	ILICAC	NOPT	TF	FB	1.00	268.18	7.00	3000
ILICAC	IF/IAF	LANVE		TF	FB	1.00	358.12	6.10	2500
LANVE	FAF	GOOPY/1.83 NM TO RW36		TF	FB	0.30	358.12	3.39	
GOOPY/1.83 NM TO RW36		RW36	MAP	TF	FO	0.30	358.12	1.83	
RW36	MAP	1068 MSL		CA			358.12		
1068 MSL		ILOPY		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT ILOPY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD S ILIAC, LT, 358.12 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 358.12FAF: LANVEDIST FAF TO MAP: 5.22DIST FAF TO THLD: 5.22

4. MIN ALT: ILIAC 3000, LANVE 2500, GOOPY/1.83 NM TO RW36 1420*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.72GS ANT:

6. MIN GP INCPT: 2500GP ALT AT FAF : LANVE 2500OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 45.0

8. MSA FROM: RW36 4000

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.01 NM TO RW36*
*LNAV ONLY
WAAS CHANNEL #81841
REFERENCE PATH ID: W36A
CHART FAS OBST: 905 TREE 333638N/0971156W.
HOLD N, RT, 178.12 INBOUND
LTP HAE: 216 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2, 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	1068	3/4	250	1068	3/4	250	1068	3/4	250	1068	3/4	250			
LNAV/VNAV DA	1068	3/4	250	1068	3/4	250	1068	3/4	250	1068	3/4	250			
LNAV MDA	1160	1	342	1160	1	342	1160	1	342	1160	1	342			
CIRCLING	1300	1	454	1340	1	494	1520	2	674	1600	2 1/2	754			



CHANGES - REASONS

1. DELETED TERMINAL ROUTE FROM UKW VORTAC TO WATEN, COURSE DISTANCE AND ALTITUDE AND ASSOCIATED CHART PLANVIEW NOTE - UKW DECOMMISSIONED.
2. DELETED TERMINAL ROUTE FROM TADDI TO WAWLS, COURSE DISTANCE AND ALTITUDE - TADDI FIX NO LONGER NEEDED BY ATC FOR RNAV PROCEDURE ENTRY.
3. CHANGED TERMINAL ROUTE FROM WATEN TO ILIAC COURSE AND DISTANCE FROM "056.95/5.00" TO "088.05/7.00" - WATEN IAF CHANGED FROM "Y" TO "T" INITIAL CONFIGURATION PER ATC REQUEST.
4. CHANGED TERMINAL ROUTE FROM WAWLS TO ILIAC COURSE AND DISTANCE FROM "297.05/5.00" TO "268.18/7.00" - WATEN IAF CHANGED FROM "Y" TO "T" INITIAL CONFIGURATION PER ATC REQUEST.
5. CHANGED LINE 2 FROM "PROFILE STARTS AT ILIAC" TO "HOLD S ILIAC, LT, 358.12 INBOUND, 3000 FT. IN LIEU OF PT (IAF)" - ADDED HOLD IN LIEU PROCEDURE AT ILIAC PER ATC REQUEST (NON-STANDARD LT BY ATC REQUEST).
6. CHANGED PROFILE LINE 4 FROM "GOOPY/1.60 NM TO RW36 1340*" TO "GOOPY/1.83 NM TO RW36 1420*" - GOOPY FIX MOVED 0.23 NM SOUTH.
7. ADDED "20:1 IS CLEAR" TO LINE 7 - REQUIRED FOR RNAV PROCEDURES PER .19H.
8. CHANGED ADDITIONAL FLIGHT DATA FROM "CHART FAS OBST: 887 TREE 333709N/0971232W" TO "CHAR FAS OBST: 905 TREE 333638N/0971156W" - NEW PROCEDURE AND OBSTACLE EVALUATION COMPLETED.
9. CHANGED ADDITIONAL FLIGHT DATA FROM "CHART VDP AT 0.95 NM TO RW36*" TO "CHART VDP AT 1.01 NM TO RW36*" - NEW PROCEDURE EVALUATION USING NEW TARGETS SOFTWARE.
10. CHANGED MINIMUMS LPV AND LNAV/VNAV VISIBILITY ALL CATS FROM "7/8 SM" TO "3/4 SM" - NEW VISIBILITY TABLES FROM 8260.3D APPLIED.
11. CHANGED MINIMUMS LNAV MDA/HAT ALL CATS FROM "1140/322" TO "1160/342". CHANGED CONTROLLING OBSTACLE FROM "AAO ELEV 1062" TO "TREE (48-102127) ELEV 905" - NEW OBSTACLE EVALUATION IDENTIFIED NEW CONTROLLING OBSTACLE.
12. CHANGED MINIMUMS CIRCLING MDA/HAA CAT A FROM "1280/434" TO "1300/454"; CAT B FROM "1320/474" TO "1340/494" - NEW OBSTACLE EVALUATION IDENTIFIED NEW CONTROLLING OBSTACLES.
13. ADDED NOTE "NA WHEN LOCAL WEATHER NOT AVAILABLE" - REQUIRED PER .19H WHEN USING BACKUP ALTIMETER.
14. REMOVED NOTE "CHART NOTE: DME/DME RNP-0.3 NA" AND REPLACED WITH PBN REQUIREMENTS NOTE "RNP APCH" - PER .19H EQUIPMENT REQUIREMENTS NOTES.
15. CHANGED NOTE "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C" - UPDATED PER .19H DOCUMENTATION REQUIREMENTS.
16. CHANGED FAS DATA FPAP LATITUDE FROM "334010.3835N" TO "334010.3830N" - CORRECTED TO INDICATE CORRECT HEMISPHERE.
17. CHANGED FAS DATA CRC REMAINDER FROM "73CAD681" TO "23BEE847" - NEW PROCEDURE EVALUATION.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZFW ARTCC, AMGR

<div>FLIGHT CHECKED BY</div> <div>ANTHONY D VALLERA</div>	<div>Digitally signed by</div> <div>DAVID DANNER</div> <div>Nov 28, 2018</div>	<div>OFFICE</div> <div>FICO</div>	<div>DATE</div> <div>11/17/18</div>	
<div>DEVELOPED BY</div> <div>DAVID DANNER (DARREN HOOPER)</div>	<div>Digitally signed by</div> <div>DAVID DANNER</div> <div>Nov 28, 2018</div>	<div>OFFICE</div> <div>AJV-5421</div>	<div>DATE</div> <div>09/17/2018</div>	
<div>APPROVED BY</div> <div>JULIE MORGAN</div>	<div>Digitally signed by</div> <div>DAVID DANNER</div> <div>Nov 28, 2018</div>	<div>OFFICE</div> <div>AJV-5420</div>	<div>DATE</div> <div></div>	<div>TITLE</div> <div>MANAGER</div>



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGLE
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	333841.1370N
LTP/FTP LONGITUDE	0971159.5095W
LTP/FTP ELLIPSOIDAL HEIGHT	+02160
FPAP LATITUDE	334010.3830N
FPAP LONGITUDE	0971157.4135W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	23BEE847

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02415
FPAP ORTHOMETRIC HEIGHT	+02415

