

**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> KFRG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 1	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> FARMINGDALE	<u>STATE</u> NY		
<u>AIRPORT ELEVATION</u> 80	<u>TDZE</u> 72	<u>SUPERSEDED</u> RNAV (GPS) RWY 1	<u>ORIGINAL/AMENDMENT</u> 2D	<u>DATED</u> 03/28/2019	<u>MAG VAR</u> 14W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 AUGUST 2021	<u>REQUIRED EFFECTIVE DATE</u> 08/12/2021	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 21-15

<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>
WULUG	IAF	BLAND		TF	FB	1.00	283.52	6.51	2000
ZACHS	IAF	BLAND		TF	FB	1.00	097.76	6.58	2000
BLAND	IF	DEUCE		TF	FB	1.00	013.18	6.22	1600
DEUCE	FAF	XAREW/2.50 NM TO RW1		TF	FB	0.30	013.18	2.21	
XAREW/2.50 NM TO RW1		RW1	MAP	TF	FO	0.30	013.18	2.50	
RW1	MAP	800 MSL		CA	FB		013.18		800
800 MSL		DPK VOR/DME		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW1

**MISSED APPROACH INSTRUCTIONS:**

(DO NOT EXCEED 190 KIAS UNTIL DPK VOR/DME) CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DPK VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

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

2. PROFILE STARTS AT BLAND

3. FAF: 013.18                      FAF: DEUCE                      DIST FAF TO MAP: 4.71                      DIST FAF TO THLD: 4.71

4. MIN ALT:    BLAND 2000, DEUCE 1600, XAREW/2.50 NM TO RW1 880

5. DIST TO THLD FROM OM:                      MM:                      IM:                      150 HAT:                      263 HAT: 0.73                      GS ANT:

6. MIN GP INCPT: 1600                      GP ALT AT FAF : DEUCE 1600                      OM:                      MM:                      IM:

7. GP ANGLE: 3.00                      34:1: IS NOT CLEAR                      20:1: IS CLEAR                      TCH: 37.0

8. MSA FROM: RW01 2900

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12°C OR ABOVE 54°C.  
CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART SPEED ICON IN PLANVIEW AT BLAND: MAX 225 KIAS.

**ADDITIONAL FLIGHT DATA:**

HOLD N, RT, 200.00 INBOUND.  
CHART FAS OBST: 199 CONTROL\_TOWER (36-001202) 404339N/0732504W.  
CHART VDP AT 1.13 NM TO RW01.  
WAAS CHANNEL # 82524  
REFERENCE PATH ID: W01A  
CHART CIRCLING ICON.  
LTP HAE: -11.8 M

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 1000-3, 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	335	7/8	263	335	7/8	263	335	7/8	263	335	7/8	263			
LNAV/VNAV DA	370	7/8	298	370	7/8	298	370	7/8	298	370	7/8	298			
LNAV MDA	460	1	388	460	1	388	460	1 1/8	388	460	1 1/8	388			
CIRCLING	640	1	560	720	1	640	860	2 1/4	780	1000	3	920			

QUALITY  
18  
CHECKED

**CHANGES - REASONS**

1. FINAL SEGMENT DEUCE TO XAREW DISTANCE CHANGED FROM 2.22 TO 2.21 - DEUCE MOVED 483 FT NORTH AND XAREW MOVED 411 FT NORTH. RWY 1 THRESHOLD MOVED AND TCH CHANGED TO 37.
2. MISSED APPROACH CHANGED FROM "CLIMB TO 2000" TO "CLIMB TO 800", THEN RIGHT TURN DIRECT DPK AND HOLD - CLIMB TO 2000 DOES NOT MEET CRITERIA AND CAN NOT BE CONSTRUCTED.
3. ADDED CLIMB IN HOLD TO MISSED APPROACH - AIRCRAFT DID NOT REACH 3000 AT CLEARANCE LIMIT.
4. ADDED "UNTIL DPK VOR/DME" TO 190 KIAS AIRSPEED NOTE IN MISSED INSTRUCTIONS - IDENTIFY WHERE THE RESTRICTION ENDS.
5. DISTANCE FAF TO MAP AND FAF TO THLD CHANGED FROM 4.72 TO 4.71 - RWY 1 THRESHOLD, DEUCE AND XAREW MOVED.
6. 20:1 NOTE CHANGED FROM "NOT CLEAR" TO "CLEAR" - RWY 1 THRESHOLD MOVED CLEARING PREVIOUS PENS.
7. TCH CHANGED FROM 35 TO 37 - ALIGN WITH VGSI.
8. ADDED VDP - 20:1 PENS ELIMINATED.
9. REPLACED LP MINS WITH LPV AND LNAV/VNAV MINS AND ASSOCIATED NOTES - OBSTACLE SURFACE NOW ALLOWS MINS AFTER RWY 1 THRESHOLD MOVE.
10. CHARTED CIRCLING ICON - APPLIED NEW CIRCLING CRITERIA.
11. CIRCLING MDA/HAA UPDATED: CAT A CHANGED FROM 560/480 TO 640/560; CAT B CHANGED FROM 600/520 TO 720/640; CAT C CHANGED FROM 720/640 TO 860/780; AND CAT D CHANGED FROM 720/640 TO 1000/920 - CIRCLING OBSTACLE RADII EVAL INCREASED USING NEW CIRCLING CRITERIA.
12. CIRCLING CATS C/D VIS CHANGED: CAT C FROM 1 3/4 TO 2 1/4 AND CAT D FROM 2 TO 3 - CORRESPOND WITH MINIMUMS CHANGE.
13. UPDATED HELICOPTER VISIBILITY REDUCTION NOTE FORMAT AND VALUES: CHANGED 1 SM TO 3/4 SM - APPLIED NEW FORMATED NOTE AND 20:1 PENS NO LONGER EXIST.
14. REMOVED BACKUP ALTIMETER SETTING NOTE - MOVED TO 8260-9 TO ISSUE BY NOTAM.
15. REMOVED RADAR REQUIRED NOTE - RADAR NO LONGER REQUIRED ON RNAV PROCEDURES FOR STAND ALONE FIXES.
16. CRC REMAINDER CHANGED FROM AE9DA90F TO 33D722AF - PROCEDURE CHANGED FROM LP TO LPV.
17. UPDATED ALTERNATE MINIMUMS FROM CAT D 700-2 TO CAT C 800-2 1/4, CAT D 1000-3 - MATCH CIRCLING CATS C/D MDA CHANGE.
18. RWY 1 MOVED 412 FT NORTH CHANGING COORDINATES AND ELEVATIONS - AIRPORT CONSTRUCTION.
19. APT ELEV CHANGED FROM 81 TO 80 - AIRPORT CONSTRUCTION.
20. FAS OBSTACLE CHANGED FROM 182 TANK 404204N/0732413W TO 199 CNTR TWR 404339N/0732504W - OBSTACLE EVAL.

6/23/2021 THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 2/24/2021

FAS DATA LTP ELLIPSOIDAL ELEV CHANGED FROM -00123 TO -00118.

FAS DATA CRC REMAINDER CHANGED FROM 33D722AF TO EBC70967.

ADDITIONAL FLIGHT DATA LTP HAE CHANGED FROM -12.3 M .TO -11.8 M.

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZNY, NEW YORK APP CON, N90, KFRG ATCT, AMGR

**FLIGHT CHECKED BY**  
ROBERT STEPHEN PRESSLER  
*Digitally signed by*  
**DONALD H LANIER**  
Jun 24, 2021

**OFFICE**  
FIOG  
**DATE**  
06/22/2021

**DEVELOPED BY**  
KELLY DEAN  
*Digitally signed by*  
**DONALD H LANIER**  
Jun 24, 2021

**OFFICE**  
AJV-A431  
**DATE**  
02/24/2021

**APPROVED BY**  
LONNIE EVERHART  
*Digitally signed by*  
**DONALD H LANIER**  
Jun 24, 2021

**OFFICE**  
AJV-A430  
**DATE**  
**TITLE**  
MANAGER

QUALITY  
18  
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFRG
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	404322.3560N
LTP/FTP LONGITUDE	0732451.4110W
LTP/FTP ELLIPSOIDAL HEIGHT	-00118 ←
FPAP LATITUDE	404451.5035N
FPAP LONGITUDE	0732453.0925W
THRESHOLD CROSSING HEIGHT (TCH)	00037.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	40.0
CRC REMAINDER	EBC70967 ←

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00194
FPAP ORTHOMETRIC HEIGHT	+00194

