

**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 32	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> FARMINGDALE	<u>STATE</u> NY		
<u>AIRPORT ELEVATION</u> 80	<u>TDZE</u> 68	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<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

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SHYNA	IAF	TRCCY		TF	FB	1.00	236.40	5.00	2000
JUSIN	IAF	TRCCY		TF	FB	1.00	056.30	5.00	2000
TRCCY	IF	ALFED		TF	FB	1.00	326.35	6.04	1400
ALFED	FAF	RW32	MAP	TF	FO	0.30	326.29	3.89	
RW32	MAP	328 MSL		CA			326.29		
328 MSL		FAAYE		DF	FB	1.00			
FAAYE		WADIR		TF	FB	1.00	018.99	4.11	
WADIR		PUGGS		TF	FO	1.00	068.19	12.02	2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 190 KIAS UNTIL WADIR) CLIMB TO 2000 DIRECT FAAYE THEN ON TRACK 018.99 TO WADIR AND ON TRACK 068.19 TO PUGGS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. DELETED DPK AND JFK FEEDERS AND ASSOCIATED PROCEDURE ENTRY NOTE - PER N90 AND FPT, NO LONGER USED.
2. CHANGED TCH FROM 65 TO 60 - MAX ALLOWABLE TCH.
3. MOVED PFAF (ALFED) 333 FT SOUTHEAST - ALIGN ON GLIDEPATH AT 3.10/60.
4. INTERMEDIATE SEGMENT DISTANCE CHANGED FROM 6.10 TO 6.04 - PFAF MOVED.
5. FINAL SEGMENT DISTANCE CHANGED FROM 3.83 TO 3.89 - PFAF MOVED.
6. CHANGED MISSED APPROACH FROM PROCEEDING TO ODALE TO COORDINATED ROUTE TO PUGGS AT 2000 WITH AIRSPEED RESTRICTION UNTIL WADIR - N90 AND FPT REQUESTED TO DECONFLICT TRAFFIC.
7. 20:1 SURFACE CHANGED FROM NOT CLEAR TO CLEAR - OBSTACLE EVAL.
8. UPDATED HELICOPTER VISIBILITY REDUCTION NOTE BY ADDING RWY 32 AND CHANGE VIS FROM 1 SM RESTRICTION TO 3/4 SM ALLOWANCE - RWY NUMBER NOW REQUIRED AND 20:1 SURFACE NOW CLEAR.
9. ADDED GPS TO RNP APCH PBN REQUIREMENTS NOTE - PROVIDE SENSOR REQUIREMENT.
10. CHANGED UNCOMPENSATED BARO-VNAV TEMPS FROM -15/38 TO -12/54 - APPLIED 5 YEAR WEATHER HISTORY AND CURRENT FORMULA BY CRITERIA.
11. ADDED 210 MAX ICON AT IAF'S (SHYNA AND JUSIN) - MAINTAIN 5 NM INITIAL SEGMENTS.
12. ADDED VDP - 20:1 PENS NO LONGER EXIST.
13. ADDED NON-STANDARD ALTERNATE MINIMUMS - MATCH CIRCLING CATS C/D MDA CHANGE.
14. LPV ALL CATS DA/HAT CHANGED FROM 369/301 TO 328/260 - OBSTACLE EVAL.
15. LPV ALL CATS VISIBILITY CHANGED FROM 1 TO 3/4 - CORRESPOND WITH LOWER MINIMUMS.
16. LNAV/VNAV ALL CATS DA/HAT CHANGED FROM 761/693 TO 355/287 - OBSTACLE EVAL.
17. LNAV/VNAV ALL CATS VISIBILITY CHANGED FROM 2 1/4 TO 7/8 - CORRESPOND WITH LOWERING MINIMUMS.
18. LNAV ALL CATS MDA/HAT CHANGED FROM 680/612 TO 660/592 - OBSTACLE EVAL.
19. LNAV CAT D VISIBILITY CHANGED FROM 2 TO 1 3/4 - CORRESPOND WITH LOWERING MINIMUMS.
20. CIRCLING MDA/HAA UPDATED: CAT A CHANGED FROM 680/599 TO 660/580; CAT B CHANGED FROM 680/599 TO 720/640; CAT C CHANGED FROM 720/639 TO 860/780; AND CAT D CHANGED FROM 720/639 TO 1000/920 - CIRCLING OBSTACLE RADII EVAL INCREASED USING NEW CIRCLING CRITERIA.
21. 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.
22. CHARTED CIRCLING ICON - APPLIED NEW CIRCLING CRITERIA.
23. REMOVED BACKUP ALTIMETER SETTING NOTE - MOVED TO 8260-9 TO ISSUE BY NOTAM.
24. CRC REMAINDER CHANGED FROM B711918E TO 43804111 - LTP COORDINATES, FPAP COORDINATES, AND TCH CHANGED.
25. APT ELEV CHANGED FROM 81 TO 80 - AIRPORT CONSTRUCTION.
26. DISTANCE TO THLD CHANGED FROM 0.74 TO 0.63 - DA LOWERED FROM 369 TO 328.

COORDINATED WITH:

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

Digitally signed by

FLIGHT CHECKED BY

PENDING

DONALD H LANIER

Mar 29, 2021

OFFICE

FICO

DATE

DEVELOPED BY

KELLY DEAN

Digitally signed by

KELLY D DEAN

Mar 17, 2021

OFFICE

AJV-A431

DATE

03/03/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

DONALD H LANIER

Mar 29, 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	KFRG
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	404319.2855N
LTP/FTP LONGITUDE	0732412.5500W
LTP/FTP ELLIPSOIDAL HEIGHT	-00124
FPAP LATITUDE	404419.2225N
FPAP LONGITUDE	0732539.3145W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0664
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	43804111

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00187
FPAP ORTHOMETRIC HEIGHT	+00187

