

**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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
LGA	RNAV (GPS) Y RWY 31	1	NEW YORK	NY		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
21	7	RNAV (GPS) Y RWY 31	ORIG-C	08/10/2023	12W	1980
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV		20 MARCH 2025	ROUTINE			

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>
FEDEM	IAF	DRIES		TF	FB	1.00	059.45	11.46	4000
DRIES	IAF	WASBO		TF	FB	1.00	069.23	11.79	3000
WASBO	IAF	JABAD		TF	FB	1.00	158.29	5.63	3000
JABAD	IAF	BIPKE		TF	FB	1.00	248.27	6.95	3000
BIPKE	IAF	GEMKE		TF	FB	1.00	248.09	4.71	2000
GEMKE	IF	NYJET		TF	FB	1.00	248.43	5.62	1700
NYJET		MANLL		TF	FB	1.00	301.90	1.89	1200
MANLL	FAF	RW31	MAP	TF	FO	0.30	313.03	3.47	
RW31	MAP	620 MSL		CA			313.03		620
620 MSL		RINNG		DF	FB	1.00			
RINNG		CHNZO		TF	FB	1.00	043.13	3.51	
CHNZO		JDAWG		TF	FB	1.00	054.65	3.73	
JDAWG		YOMAN		TF	FO	1.00	106.84	5.02	3000

MISSED APPROACH

MAP:

LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 210 KIAS UNTIL YOMAN) CLIMB TO 620 THEN CLIMBING RIGHT TURN TO 3000 DIRECT RINNG AND ON TRACK 043.13 TO CHNZO AND ON TRACK 054.65 TO JDAWG AND ON TRACK 106.84 TO YOMAN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
8
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT GEMKE														
3.	FAC:	313.03	FAF:	MANLL	DIST FAF TO MAP:	3.47	DIST FAF TO THLD:	3.47							
4.	MIN ALT:	GEMKE 2000, NYJET 1700, MANLL 1200													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		609 HAT:	1.70	GS ANT:				
6.	MIN GP INCPT:	1200	GP ALT AT PFAF:	MANLL 1200					OM:		MM:			IM:	
7.	GP ANGLE:	3.10	34:1:	IS NOT CLEAR	20:1:	IS NOT CLEAR	TCH:	50.0							
8.	MSA FROM:	RW31 2900													

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11°C OR ABOVE 54°C.
CHART NOTE: CIRCLING NA NW OF RWY 4 AND SW OF RWY 13.
CHART SPEED ICON IN PLANVIEW AT WASBO: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT GEMKE: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 044.00 INBOUND.
CHART FAS OBST: 379 BUILDING (36-000388) 404410N/0734828W.
CHART PLANVIEW NOTE: FINAL APPROACH OFFSET 1.16 DEGREES.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4

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
LNAV/VNAV DA	618	1 3/4	611	618	1 3/4	611	618	1 3/4	611	618	1 3/4	611			
LNAV MDA	640	5500	633	640	5500	633	640	1 3/4	633	640	1 3/4	633			
CIRCLING	680	1	659	680	1	659	700	2	679	760	2 1/4	739			



CHANGES - REASONS

1. INCORPORATED CHANGES FROM PREVIOUS P-NOTAMS INTO THE FORM.
2. TERMINAL ROUTES: CHANGED MISSED APPROACH CLIMB-TO ALTITUDE FROM 700 MSL TO 620 MSL, CHANGED MISSED APPROACH FIRST FIX FROM CEPOG TO RINNG, ADDED ROUTING TO CHNZO AND JDAWG BEFORE TERMINATING AT YOMAN, AND CHANGED MISSED APPROACH ALTITUDE FROM 2000 TO 3000 - ATC REQUEST TO CONTAIN MISSED APPROACH ROUTING WITHIN LGA APPROACH AIRSPACE.
3. MISSED APPROACH: CHANGED MISSED APPROACH INSTRUCTIONS FROM "(DO NOT EXCEED 220 KIAS UNTIL CEPOG) CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 2000 DIRECT CEPOG AND HOLD" TO "(DO NOT EXCEED 210 KIAS UNTIL YOMAN) CLIMB TO 620 THEN CLIMBING RIGHT TURN TO 3000 DIRECT RINNG AND ON TRACK 043.13 TO CHNZO AND ON TRACK 054.65 TO JDAWG AND ON TRACK 106.86 TO YOMAN AND HOLD" - ATC REQUEST TO CONTAIN MISSED APPROACH ROUTING WITHIN LGA APPROACH AIRSPACE.
4. NOTES: CHANGED HELICOPTER CHART NOTE VISIBILITY REDUCTION DISTANCE FROM 1 SM TO RVR 5000 - 1/2 SM VISIBILITY REDUCTION FOR BOTH LNAV/VNAV AND LNAV IS LESS THAN 1 NM OR RVR 5000.
5. NOTES: CHANGED UNCOMPENSATED BARO-VNAV SYSTEMS NOTE BELOW TEMPERATURE FROM -12C TO -11C AND ABOVE TEMPERATURE FROM 48C TO 54C - NEW CRITICAL LOW AND CRITICAL HIGH TEMPERATURE CALCULATIONS BASED ON UPDATED 5-YEAR HISTORY (2019-2023).
6. NOTES: CHANGED CIRCLING NA CHART NOTE DIRECTIONS FROM NORTHWEST TO NW AND SOUTHWEST TO SW - REQUIRED DOCUMENTATION PER FAAO 8260.19J, PARA 8-6-120.5(C) CRITERIA.
7. ADDITIONAL FLIGHT DATA: REMOVED CHART CIRCLING ICON - NO LONGER REQUIRED TO BE DOCUMENTED.
8. ADDITIONAL FLIGHT DATA: CHANGED APPROACH OFFSET VALUE FROM 1.15 TO 1.16 - NEW TARGETS EVALUATION.
9. ALTERNATE MINIMUMS: CHANGED "STANDARD - CAT C, D 1100-3" TO "CAT D 800-2 1/4" - NEW CIRCLING CAT C AND CIRCLING CAT D CONTROLLING OBSTACLES PER NEW TARGETS EVALUATION.
10. MINIMUMS: CHANGED CIRCLING CAT A/B CMDA/HAA FROM 700/679 TO 680/659, CIRCLING CAT C CMDA/HAA FROM 1080/1059 TO 700/679, AND CIRCLING CAT C VIS FROM 3 TO 2 - NEW CIRCLING CATS A/B/C CONTROLLING OBSTACLES PER NEW TARGETS EVALUATION.
11. MINIMUMS: ADDED CIRCLING CAT D MINIMUMS - NEW CIRCLING CAT D CONTROLLING OBSTACLE/FAF NO LONGER HIGHER THAN HIGHEST PROCEDURAL MDA.

COORDINATED WITH:

A4A

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ALPA

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AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER: ZNY, N90, LGA ATCT, APT MGR

FLIGHT CHECKED BY

JORDAN ROLIH

Digitally signed by

ALLAN WILL

Dec 16, 2024

OFFICE

AJF

DATE

12/13/2024

DEVELOPED BY

MICHAEL R. GARRITY JR.

Digitally signed by

MICHAEL GARRITY

Sep 17, 2024

OFFICE

AJV-A423

DATE

07/19/2024

APPROVED BY

ALLAN WILL

Digitally signed by

ALLAN WILL

Dec 16, 2024

OFFICE

AJV-A423

DATE

TITLE

MANAGER

