

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> LGA	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 31	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> NEW YORK	<u>STATE</u> NY
<u>AIRPORT ELEVATION</u> 21	<u>TDZE</u> 7	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 31	<u>ORIGINAL/AMENDMENT</u> 1H	<u>DATED</u> 08/10/2023
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 MARCH 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 12W
				<u>EPOCH YEAR</u> 1980
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CHALN	IF	ZARID		TF	FB	1.00	314.27	6.00	1700
ZARID	FAF	RW31	MAP	TF	FO	0.30	314.20	4.99	
RW31	MAP	620 MSL		CA			314.20		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:

LPV: DA
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, 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 CHALN					
3. FAC: 314.20	FAF: ZARID		DIST FAF TO MAP: 4.99	DIST FAF TO THLD: 4.99	
4. MIN ALT: CHALN 2000, ZARID 1700					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	323 HAT: 0.83	GS ANT:
6. MIN GP INCPT: 1700	GP ALT AT PFAF: ZARID 1700			OM:	MM:
7. GP ANGLE: 3.10	34:1: IS NOT CLEAR	20:1: IS NOT CLEAR	TCH: 50.0		IM:
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 NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING NA NW OF RWY 4 AND SW OF RWY 13.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 044.00 INBOUND.
CHART FAS OBST: 379 BUILDING (36-000388) 404410N/0734828W.
410 AAO 404430N/0734445W.
WAAS CHANNEL # 48928
REFERENCE PATH ID: W31A
LTP HAE: -29.5 M

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
LPV DA	330	5000	323	330	5000	323	330	5000	323	330	5000	323			
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 - FPT 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, CONTINUE CLIMB-IN-HOLD TO 3000" - FPT REQUEST TO CONTAIN MISSED APPROACH ROUTING WITHIN LGA APPROACH AIRSPACE.
4. 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).
5. NOTES: CHANGED CIRCLING NA DIRECTIONS FROM NORTHWEST TO NW AND SOUTHWEST TO SW - REQUIRED DOCUMENTATION PER FAAO 8260.19J, PARA 8-6-12O(5)(C) CRITERIA.
6. ADDITIONAL FLIGHT DATA: REMOVED CHART CIRCLING ICON - NO LONGER REQUIRED TO BE DOCUMENTED.
7. ADDITIONAL FLIGHT DATA: CHANGED FAS OBSTACLE HEIGHT FROM 380 TO 379 AND ADDED OAS OBSTACLE NUMBER (36-000388) - UPDATED OBSTACLE SURVEY/REQUIRED DOCUMENTATION PER FAAO 8260.19J PARA 8-6-11C CRITERIA.
8. ADDITIONAL FLIGHT DATA: CHANGED HOLDING PATTERN DIRECTION FROM RT TO LT - ATC REQUEST.
9. ADDITIONAL FLIGHT DATA: CHANGED LTP HAE FROM -29.4 TO -29.5 - NEW AIRPORT DATA.
10. ALTERNATE MINIMUMS: ADDED "CAT D 800-2 1/4" - NEW CIRCLING CAT D CONTROLLING OBSTACLE.
11. MINIMUMS: CHANGED CIRCLING CAT A/B CMDA/HAA FROM 700/679 TO 680/659 - NEW CIRCLING SEGMENT CONTROLLING OBSTACLE.
12. MINIMUMS: CHANGED CIRCLING CAT C CMDA/HAA FROM 1080/1059 TO 700/679 AND VIS FROM 3 TO 2. CHANGED CIRCLING CAT D CMDA/HAA FROM 1260/1239 TO 760/739 AND VIS FROM 3 TO 2 1/4 - NEW CIRCLING SEGMENT CONTROLLING OBSTACLE.
13. FAS DATA BLOCK: CHANGED LTP/FTP ELLIPSOIDAL HEIGHT FROM -00294 TO -00295 - UPDATED AIRNAV DATA INCORPORATED.
14. FAS DATA BLOCK: CHANGED FPAP LATITUDE DECIMAL PORTION FROM .8740 TO .8850 AND FPAP LONGITUDE DECIMAL PORTION FROM .9240 TO .9145 - UPDATED AIRNAV DATA INCORPORATED.
15. FAS DATA BLOCK: CHANGED CRC REMAINDER FROM 3BA5B038 TO 126D1C60 - FPAP COORDINATES UPDATED.

COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

ZNY, N90, LGA ATCT, APT MGR

FLIGHT CHECKED BY

Digitally signed by

ALLAN WILL

Feb 04, 2025

OFFICE

AJF

DATE

12/13/2024

DEVELOPED BY

Digitally signed by

MICHAEL R. GARRITY JR. MICHAEL GARRITY

Sep 17, 2024

OFFICE

AJV-A423

DATE

07/11/2024

APPROVED BY

ALLAN WILL

Digitally signed by

ALLAN WILL

Feb 04, 2025

OFFICE

AJV-A423

DATE

12/26/2024

TITLE

MANAGER



AIRPORT ID
LGA

PROCEDURE NAME
RNAV (GPS) Z RWY 31

ORIGINAL/AMENDMENT
2

CITY
NEW YORK

STATE
NY

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

0
0
KLGA
RW31
0
Z
0
W31A
404619.4570N
0735125.6015W
-00295
404706.8850N
0735304.9145W
00050.0
F
03.10
106.75
0616
40.0
50.0

CRC REMAINDER

126D1C60

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+00020
+00020

