

**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.

AIRPORT ID LGA	PROCEDURE NAME RNAV (GPS) X RWY 31	ORIGINAL/AMENDMENT 1	CITY NEW YORK	STATE NY
AIRPORT ELEVATION 21	TDZE 7	SUPERSEDED RNAV (GPS) X RWY 31	DATED 02/23/2023	MAG VAR 12W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 20 MARCH 2025	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1980
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GGREG	IAF	ZARID		TF	FB	1.00	228.11	10.77	4000
ZARID		VADDR		TF	FB	1.00	317.12	5.81	4000
VADDR		JACIE		TF	FB	1.00	276.38	7.62	4000
JACIE		NECOL		TF	FB	1.00	217.91	14.65	4000
NECOL		VARAZ		TF	FB	1.00	127.89	4.35	4000
VARAZ	IAF	PACHU		TF	FB	1.00	044.00	9.97	3000
PACHU	IF	SHAYY		TF	FB	1.00	045.33	2.58	2500
SHAYY		GACAR		TF	FB	1.00	059.12	2.00	2200
GACAR	FAF	@DRRYL		TF	FB	0.30	089.09	3.11	
DRRYL		@KEYTH		TF	FB	0.30	044.14	1.06	
KEYTH		@DCTRK		TF	FB	0.30	359.14	1.06	
DCTRK		@RW31	MAP	TF	FO	0.30	314.15	1.08	
RW31	MAP	421 MSL		CA			314.15		
421 MSL		RINNG		DF	FB	1.00			
RINNG		CHNZO		TF	FB	1.00	043.13		
CHNZO		JDAWG		TF	FB	1.00	054.65		
JDAWG		YOMAN		TF	FO	1.00	106.84		3000

MISSED APPROACH

MAP:

LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 165 KIAS UNTIL RWY 31 AND DO NOT EXCEED 210 KIAS UNTIL YOMAN) 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
31
CHECKED

PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. PROFILE STARTS AT PACHU
- 3. **FAC:** @ **FAF:** GACAR **DIST FAF TO MAP:** 6.31 **DIST FAF TO THLD:** 6.31
- 4. **MIN ALT:** PACHU 3000, SHAYY 2500, GACAR 2200
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- 6. **MIN GP INCPT:** **GP ALT AT FAF:**
- 7. **GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** **OM:** **MM:** **IM:**
- 8. **MSA FROM:** RW31 2900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED.

NOTES:

CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH (FEET)).
 CHART PROFILE NOTE: TURNS REQUIRED IN THE VISUAL SEGMENT.
 CHART PLANVIEW NOTE: CROSS DRRYL, FLY VISUAL TO AIRPORT ALONG DEPICTED TRACK 044 TO KEYTH THEN 359 TO DCTRK, THEN 314 TO RWY 31.
 CHART IN PLANVIEW AT DRRYL: VGF (VISUAL GUIDANCE FIX).
 CHART SPEED ICON IN PLANVIEW AT GGREG: MAX 240 KIAS.
 CHART SPEED ICON IN PLANVIEW AT NECOL: MAX 200 KIAS.
 CHART SPEED ICON IN PLANVIEW AT VARAZ: MAX 200 KIAS.
 CHART SPEED ICON IN PLANVIEW AT SHAYY: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

CHART IN PROFILE: * CHECK ALT
 CHART GP ALT AT FAF IN PROFILE: GACAR 2200, *DRRYL 1142, *KEYTH 782, *DCTRK 422
 HOLD SW, LT, 044.00 INBOUND.
 CHART FAS OBST: 380 BUILDING (36-002382) 404342N/0735104W.
 CHART 376 BUILDING (36-029754) 404533N/0735125W, 344 BUILDING (36-000389) 404513N/0734925W.
 CHART 385 BLDG_TWR (36-000237) 404418N/0735553W.
 CHART MANDATORY 4000 AT GGREG.
 GACAR TO RW31: 3.20/50.

MINIMUMS:

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

ALTERNATE: NA CAT A, B, C, D 1200-4

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 MDA	1160	4	1153	1160	4	1153	1160	4	1153	1160	4	1153				



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED MAP FROM DARRYL TO RW31 - ATC REQUEST.
2. TERMINAL ROUTES: CHANGED 421 MSL-GREKO SEGMENT TO 421 MSL-RINNG AND ADDED RINNG-CHNZO, CHNZO-JDAWG, AND JDAWG-YOMAN SEGMENTS - ATC REQUEST.
3. MISSED APPROACH INSTRUCTIONS: CHANGED "(DO NOT EXCEED 165 KIAS UNTIL RWY 31 THEN DO NOT EXCEED 210 KIAS UNTIL GREKO) CLIMB TO 2000 ON FMS LATERAL PATH TO RW31, THEN CLIMBING RIGHT TURN DIRECT GREKO AND HOLD. IF UNABLE TO FOLLOW THE FMS LATERAL PATH, TURN LEFT HEADING 024.64 AND CLIMB TO 2000 DIRECT GREKO AND HOLD" TO "(DO NOT EXCEED 165 KIAS UNTIL RWY 31 AND DO NOT EXCEED 210 KIAS UNTIL YOMAN) 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" - ATC REQUEST/KEEPS MISSED APPROACH WITHIN KLGA AIRSPACE.
4. PROFILE LINE 3: CHANGED DIST FAF TO MAP FROM 3.11 TO 6.31 - RW31 IS NOW THE MAP.
5. PBN REQUIREMENTS NOTE: REMOVED "EQUIPMENT REQUIREMENT NOTE: RADAR REQUIRED" - UPDATED 8260-3 FORM.
6. EQUIPMENT REQUIREMENTS NOTES: ADDED "RADAR REQUIRED" - UPDATED 8260-3 FORM.
7. ADDITIONAL FLIGHT DATA: REMOVED "\$THIS MAY RESULT IN THE NEED TO LABEL RW31 AS THE MAP FOR PACKING PURPOSES (DO NOT CHART)" - RW31 IS NOW THE MAP.
8. ADDITIONAL FLIGHT DATA: CHANGED HOLDING PATTERN FROM "HOLD NE, LT, 223.00 INBOUND" TO "HOLD SW, LT, 044.00 INBOUND (DO NOT CHART)" - NEW MISSED APPROACH TERMINATION FIX PER ATC REQUEST.

09/25/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/02/24.

1. NOTES: ADDED "CHART PROFILE NOTE: TURNS REQUIRED IN THE VISUAL SEGMENT".
2. NOTES: ADDED "CHART IN PLANVIEW AT DRRYL: VGF (VISUAL GUIDANCE FIX)".

10/18/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/02/24.

1. ADDITIONAL FLIGHT DATA: REMOVED "(DO NOT CHART)" FROM MISSED APPROACH HOLDING PATTERN DETAILS.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** LGA ATCT, N90, AMGR

FLIGHT CHECKED BY

JORDAN ROLIH

Digitally signed by

CASIMIR L TABAKA

Oct 18, 2024

OFFICE

AJF

DATE

12/13/2024

DEVELOPED BY

MICHAEL R. GARRITY JR.

Digitally signed by

MICHAEL GARRITY

Oct 18, 2024

OFFICE

AJV-A423

DATE

08/02/2024

APPROVED BY

ALLAN WILL

Digitally signed by

CASIMIR L TABAKA

Oct 18, 2024

OFFICE

AJV-A423

DATE

12/26/2024

TITLE

MANAGER

