

**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> KLGA	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 4	<u>ORIGINAL/AMENDMENT</u> 4A	<u>CITY</u> NEW YORK	<u>STATE</u> NY		
<u>AIRPORT ELEVATION</u> 21	<u>TDZE</u> 21	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 4	<u>ORIGINAL/AMENDMENT</u> 4	<u>DATED</u> 12/30/2021	<u>MAG VAR</u> 12W	<u>EPOCH YEAR</u> 1980
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 FEBRUARY 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
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	BENNG		TF	FB	1.00	044.00	5.73	3000
BENNG	IF	RAHEL		TF	FB	1.00	044.04	5.95	1800
RAHEL		DNNIS		TF	FB	1.00	044.09	1.13	1700
DNNIS	FAF	WARIN/1.70 NM TO RW04		TF	FB	0.30	044.09	3.18	
WARIN/1.70 NM TO RW04		RW04	MAP	TF	FO	0.30	044.09	1.70	
RW04	MAP	271 MSL		CA			044.09		
271 MSL		GREKO		DF	FO	1.00			2000

QUALITY
16
CHECKED

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT GREKO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

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

2. PROFILE STARTS AT BENNG

3. FAC: 044.09 FAF: DNNIS DIST FAF TO MAP: 4.87 DIST FAF TO THLD: 4.87

4. MIN ALT: BENNG 3000, RAHEL 1800, DNNIS 1700, WARIN/1.70 NM TO RW04 640

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.59 GS ANT:

6. MIN GP INCPT: 1700 GP ALT AT PFAF : DNNIS 1700 OM: MM: IM:

7. GP ANGLE: 3.14 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH: 54.4

8. MSA FROM: RW04 2900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS, AND LNAV CAT A AND B..
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM.
CHART NOTE: CIRCLING NA NW OF RWY 4 AND SW OF RWY 13.
CHART NOTE: GOING BELOW GLIDEPATH MAY NOT PROVIDE OBSTACLE CLEARANCE INSIDE DA.
CHART NOTE: CROSSING RWY THRESHOLD BELOW CHARTED TCH MAY NOT PROVIDE REQUIRED VISUAL AREA OBSTACLE CLEARANCE.
CHART NOTE: # RVR 2400 AUTHORIZED WITH USE OF FD OR HUD TO DA.
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.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
HOLD NE, LT, 223.00 INBOUND.
CHART FAS OBST: 310 BUILDING (36-197694) 404438N/0735447W.
CHART 491 BUILDING 404257N/0735759W.
WAAS CHANNEL # 60918
REFERENCE PATH ID: W04A
LTP HAE: -25.2 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#	271	4000	250	271	4000	250	271	4000	250	271	4000	250			
LNAV/VNAV DA	499	5000	478	499	5000	478	499	5000	478	499	5000	478			
LNAV MDA	560	5000	539	560	5000	539	560	5500	539	560	5500	539			
CIRCLING	680	1	659	680	1	659	700	2	679	760	2 1/4	739			

CHANGES - REASONS

1. RAISED MIN ALT ON NECOL TO VARAZ TERMINAL ROUTE FROM 3000 TO 4000 - ATC REQUEST TO MATCH RNAV (GPS) X RWY 31 PROCEDURE AT KLGA.
2. REMOVED INTERMEDIATE STEPDOWN AT PACHU - ATC REQUEST: CONFUSING DUE TO FIX USED ON NUMEROUS PROCEDURES TO DIFFERENT RUNWAYS. STEPDOWN NOT DRIVEN BY OBSTACLE OR AIRSPACE.
3. CHANGED FAS OBSTACLE FROM "302 TOWER (36-000188) 404438N/0735427W" TO "310 BUILDING (36-197694) 404438N/0735447W." - UPDATED ELEVATION, NO CHANGE IN MINIMUMS.

COORDINATED WITH:A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZNY, N90, LGA ATCT, APT MGR**FLIGHT CHECKED BY**

DANIEL KIRBY

Digitally signed by

ERIC N SUSKI

Jan 11, 2023

DEVELOPED BY

KELLY DEAN

Digitally signed by

KELLY D DEAN

Nov 07, 2022

APPROVED BY

ERIC N SUSKI

Digitally signed by

ERIC N SUSKI

Nov 16, 2022

OFFICE

FPO

DATE

01/08/2023

OFFICE

AJV-A431

DATE

10/20/2022

OFFICE

AJV-A431

DATE**TITLE**
MANAGERQUALITY
16
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLGA
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	404608.9925N
LTP/FTP LONGITUDE	0735302.8300W
LTP/FTP ELLIPSOIDAL HEIGHT	-00252
FPAP LATITUDE	404724.4875N
FPAP LONGITUDE	0735200.4385W
THRESHOLD CROSSING HEIGHT (TCH)	00054.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.14
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 CRC REMAINDER	 BD41BF63

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00063
FPAP ORTHOMETRIC HEIGHT	+00063

