

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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 (RNP) Z RWY 4	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> NEW YORK	<u>STATE</u> NY		
<u>AIRPORT ELEVATION</u> 21	<u>TDZE</u> 21	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 4	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 06/20/2019	<u>MAG VAR</u> 12W	<u>EPOCH YEAR</u> 1980
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 DECEMBER 2021	<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>
GRITY	IAF	TICKL		TF	FB	1.00	084.91	10.75	3000
MINKS	IAF	RENUE		TF	FB	1.00	056.14	12.02	3000
RENUE		TICKL		TF	FB	1.00	044.85	3.54	3000
TICKL	IF	DNNIS	PFAF	TF	FB	1.00	044.61	9.42	1700
DNNIS	PFAF	RW4	MAP	TF	FO	0.30	044.09	4.87	
RW4	MAP	GREKO		TF	FO	1.00	044.14	6.82	2000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 ON TRACK 044.14 TO GREKO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT TICKL

3. FAC: 044.09

PFAF: DNNIS

DIST PFAF TO MAP:

DIST PFAF TO THLD:

4. MIN ALT: TICKL 3000, DNNIS 1700

5. DIST TO THLD FROM PFAF: 4.87

MM:

IM:

150 HAT:

461 HAT: 1.22

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 AR APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE 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 RNP 0.18 VISIBILITY TO 1 3/8 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GRITY ON V433 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MINKS ON V123-157 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 223.00 INBOUND.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
AUTHORIZATION REQUIRED															
RNP 0.18 DA	482	5000	461	482	5000	461	482	5000	461	482	5000	461			
RNP 0.30 DA	610	1 1/4	589	610	1 1/4	589	610	1 1/4	589	610	1 1/4	589			



CHANGES - REASONS

1. COURSE/DISTANCE FROM TICKL TO DNNIS CHANGED FROM 044.62/9.35 TO 044.61/9.42 - DNNIS MOVED 396.00 FT NE DUE TO NEW GPA/TCH.
2. DISTANCE FROM DNNIS TO RW4 CHANGED FROM 4.94 TO 4.87 - DNNIS MOVED 396.00 FT NE DUE TO NEW GPA/TCH.
3. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 2000 ON TRACK 044.14 TO GREKO AND HOLD" TO "CLIMB TO 2000 ON TRACK 044.14 TO GREKO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000" - CLIMB-IN-HOLD NEEDED PER TARGETS EVALUATION AIRCRAFT ALTITUDE AT GREKO.
4. REMOVED "DIST PFAF TO MAP: 4.94" FROM LINE 3 - NOT APPLICABLE TO RNAV (RNP) APPROACHES.
5. DIST TO THLD FROM PFAF CHANGED FROM 4.94 TO 4.87 IN LINE 5 - DNNIS MOVED 396.00 FT NE DUE TO NEW GPA/TCH.
6. CHANGED "DIST TO THLD FROM 448 HAT: 1.20" TO "DIST TO THLD FROM 461 HAT: 1.22" - NEW OBSTACLE EVALUATION.
7. GP ANGLE CHANGED FROM 3.10 TO 3.14 IN LINE 7 - ATC REQUEST TO CLEAR VGS PENETRATIONS.
8. TCH CHANGED FROM 53.7 TO 54.4 IN LINE 7 - ATC REQUEST TO CLEAR VGS PENETRATIONS.
9. CHANGED "RNP AR APCH" TO "RNP AR APCH - GPS" IN PBN REQUIREMENTS NOTES - CURRENT NOTATION PER 8260.19I 8-6-8.B.
10. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -10C OR ABOVE 47C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C OR ABOVE 54C" - NEW ACT CALCULATION.
11. CHANGED RNP 0.18 DA/HAT FROM 469/448 TO 482/461 - NEW OBSTACLE EVALUATION.
12. CHANGED RNP 0.30 DA/HAT FROM 604/583 TO 610/589 - NEW OBSTACLE EVALUATION.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZNY, N90, LGA ATCT, APT MGR

FLIGHT CHECKED BY

JEREMY R VIRTIS

Digitally signed by
CASIMIR L TABAKA
Sep 29, 2021

OFFICE

FPO

DATE

09/28/2021

DEVELOPED BY

ANTHONY CAPPABIANCO

Digitally signed by
ANTHONY J CAPPABIANCO
Jul 27, 2021

OFFICE

AJV-A411

DATE

06/07/2021

APPROVED BY

JULIE MORGAN

Digitally signed by
CASIMIR L TABAKA
Sep 29, 2021

OFFICE

AJV-A410

DATE

TITLE
MANAGER

QUALITY
16
CHECKED