

**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.

<b>AIRPORT ID</b> LGA	<b>PROCEDURE NAME</b> RNAV (RNP) Z RWY 22	<b>ORIGINAL/AMENDMENT</b> ORIG-E	<b>CITY</b> NEW YORK	<b>STATE</b> NY
<b>AIRPORT ELEVATION</b> 21	<b>TDZE</b> 12	<b>SUPERSEDED</b> RNAV (RNP) Z RWY 22	<b>DATED</b> 12/07/2017	<b>MAG VAR</b> 12W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 22 FEBRUARY 2024	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 1980
			<b>CANCEL/SUSPEND</b>	

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HAARP	IAF	CASLE		TF	FB	1.00	216.54	13.87	3000
CASLE	IF	KUZZZ		TF	FB	0.80	234.50	5.30	1600
KUZZZ	PFAF	** PARGS		TF	FB	0.30	249.16	2.01	
PARGS		** KYLIE		RF	FB	0.30	(1.73 NM RADIUS CCW (CFBNP))	0.75	
KYLIE		** RW22	MAP	TF	FO	0.30	224.16	2.00	
RW22	MAP	384 MSL		CA			224.16	5.72	
384 MSL		PROUD		DF	FO	1.00		5.77	3000

**MISSED APPROACH**

**MAP:**  
RNP: DA

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT PROUD AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.\*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 397 FEET PER NM TO 560.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT CASLE
- FAC: \*\* FAF: KUZZZ DIST FAF TO MAP: DIST FAF TO THLD:
- MIN ALT: CASLE 3000, KUZZZ 1600
- DIST TO THLD FROM OM: 4.76 MM: IM: 150 HAT: 372 HAT: 1.01 GS ANT:
- MIN GP INCPT: 1600 GP ALT AT FAF: KUZZZ 1600, PARGS 947, KYLIE 704 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 51.8
- MSA FROM: RW22 2900



**PBN REQUIREMENTS NOTE:**

RNP AR APCH - GPS.  
RF REQUIRED.

**NOTES:**

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11°C OR ABOVE 54°C.  
CHART PLANVIEW NOTE AT HAARP: (RNP 0.80).  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.3 DA\* VISIBILITY TO RVR 5500.

**ADDITIONAL FLIGHT DATA:**

CHART: 168 TOWER (36-020550) 404740.44N/0735245.10W  
CHART: 826 BUILDING (36-198129) 404457.72N/0735619.90W  
HOLD SW, LT, 045.00 INBOUND.

**MINIMUMS:**

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

**ALTERNATE:** NA

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
AUTHORIZATION REQUIRED															
RNP 0.30 DA*	384	3500	372	384	3500	372	384	3500	372	384	3500	372			
RNP 0.30 DA	445	4000	433	445	4000	433	445	4000	433	445	4000	433			

**CHANGES - REASONS**

1. CHANGED RNP 0.3 DA\* MISSED APPROACH CLIMB NOTE FROM " \*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 397 FEET PER NM TO 540" TO " \*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 397 FEET PER NM TO 560" - TARGETS EVAL REQUIRES A 20 FT CGTA INCREASE TO CLEAR MISSED CLIMB OBSTACLE.
2. ADDED KUZZZ 1600 TO LINE 4 MIN ALT - MIN ALT AT THE PFAF MUST BE CHARTED.
3. ADDED 20:1 IS CLEAR NOTE - NEW REQUIREMENT.
4. UNCOMPENSATED BARO-VNAV NOTE CHANGED FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11C (13F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11C OR ABOVE 54C" - FAHRENHEIT VALUES NO LONGER NEEDED.
5. RF REQUIRED CHANGED FROM NOTE TO PBN REQUIREMENT NOTE - NEW CRITERIA FORMAT.
6. ADDED PBN REQUIREMENTS NOTE RNP AR APCH-GPS - NEW CRITERIA REQUIREMENT FOR PBN OPERATIONS.
7. DELETED GPS REQUIRED NOTE - INCORPORATED WITH RNP APCH-GPS PBN NOTE.
8. RNP 0.30 DA\* ALL CATS VISIBILITY CHANGED FROM RVR 4000 TO RVR 3500 - APPLIED LATEST VISIBILITY PER CRITERIA.
9. RNP 0.30 DA /HAT/VIS ALL CATS CHANGED FROM 437/425/5000 TO 445/433/4000 - MDA RAISED TO MITIGATE MISSED PENETRATION; APPLIED LATEST VISIBLTY PER CRITERIA.
10. DELETED RNP 0.30 INOPERATIVE ALS NOTE "FOR INOPERATIVE ALS, INCREASE RNP 0.30 VISIBILITY TO 1 3/8 SM" - NO LONGER REQUIRED AFTER APPLYING NEW VISIBILITY.
11. ADDED RNP 0.30 DA\* INOPERATIVE ALS NOTE "FOR INOPERATIVE ALS, INCREASE RNP 0.3 DA\* VISIBILITY TO RVR 5500" - REQUIRED AFTER APPLYING LOWER VISIBILITIES TO RNP 0.30 DA\* MINS.
12. DELETED TCH 63.4 MSL (DO NOT CHART) FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED.
13. MSA LOWERED TO 2900 TO MATCH OTHER PROCEDURES - SURVEY COMPLETED ON OBSTACLE AFTER CONSTRUCTION COMPLETED ON BUILDING, ELEV CHANGED FROM 1906 TO 1806.



AIRPORT ID  
LGA

PROCEDURE NAME  
RNAV (RNP) Z RWY 22

ORIGINAL/AMENDMENT  
ORIG-E

CITY  
NEW YORK

STATE  
NY

COORDINATED WITH:

A4A  ALPA  AOPA  APA  HAI  NBAA  OTHER: APP CON, AMGR, N90

FLIGHT CHECKED BY

JOEL F HAWKLEY

*Digitally signed by*  
**CASIMIR L TABAKA**  
Dec 20, 2023

OFFICE

FPO

DATE

12/11/2023

DEVELOPED BY *Digitally signed by*  
KELLY DEAN **KELLY D DEAN**  
Oct 17, 2023

OFFICE

AJV-A432

DATE

09/26/2023

APPROVED BY  
CASIMIR L. TABAKA

*Digitally signed by*  
**CASIMIR L TABAKA**  
Oct 24, 2023

OFFICE

AJV-A432

DATE

TITLE  
MANAGER

