

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
NTHNS	SIX	NTHNS6.NTHNS	FIVE	05/21/2020	26 DEC 2024

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 13: CLIMB ON HEADING 134.13 TO INTERCEPT COURSE 178.97 TO CROSS KIWIE AT OR ABOVE 2500 AND AT OR BELOW 220 KIAS, THEN ON TRACK 203.59 TO CROSS NTHNS AT OR ABOVE 3000 AND AT OR BELOW 220 KIAS, THEN ON TRACK 229.67 TO CROSS CNRSE AT OR ABOVE 5000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 223.80 TO ASALT, THEN ON TRACK 224.00 FOR RADAR VECTOR ON COURSE. MAINTAIN 5000. EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

ALL AIRCRAFT ATC CLIMB GRADIENT: IF UNABLE TO ACCEPT CLIMB RATE, ADVISE ATC PRIOR TO TAXI.

RWY 13: STANDARD WITH MINIMUM CLIMB OF 620 FT/NM TO 2500.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
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PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY.

NOTE: STRICT COMPLIANCE TO TRACK AND ALTITUDE RESTRICTIONS IS MANDATORY. AIRCRAFT PERFORMANCE MAY REQUIRE REDUCED AIRSPEED TO COMPLY WITH ALTITUDE RESTRICTIONS.

NOTE: TRAFFIC FILED RBV VORTAC, WHITE, SHIPP, WAVEY, DIXIE: EXPECT RADAR VECTORS AFTER ASALT.

TAKEOFF MINIMUMS:

RWY 4, 22, 31: NA - ATC.

RWY 13: STANDARD WITH MINIMUM CLIMB OF 620 FT/NM TO 2500.

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:

RWY 13: 376 FT MSL BUILDING 404533.02N/0735124.72W.

MSA:

MSA FROM KLGA, 2900

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE 5000.

CHART SPEED ICON MAXIMUM SPEED 220 KIAS AT KIWIE.

CHART SPEED ICON MAXIMUM SPEED 220 KIAS AT NTHNS.

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT CNRSE.



AIRPORT MV: LGA 12W/1980.
DME/DME ASSESSMENT: SAT (RNP 2.0).
AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
KLGA	NEW YORK	NY

COMMUNICATIONS:
CHART: ATIS, CLNC DEL, GND CON, TOWER

FIXES AND/OR NAVAIDS:
DIXIE, RBV VORTAC, SHIPP, WAVEY, WHITE.

REMARKS:
MSA CONTROLLING OBSTACLE: 1806 FT MSL BUILDING (36-020633) 404246.75N/0740047.27W.
THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.
ABBREVIATED AMENDMENT.
APPROVAL LETTER ON FILE FOR CLIMB GRADIENT IN EXCESS OF 500 FT/NM.
WAIVER ON FILE FOR VI LEG LENGTH GREATER THAN 1 NM FROM DER.

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT GUIDANCE FOR PROCEDURAL CHANGES		ROBERT G HAMILTON			
		Aug 15, 2024			
<u>DEVELOPED BY</u>	<u>SIGNATURE</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
ROBERT HAMILTON (JILL M. SUPPES)		ROBERT G HAMILTON	AJV-A433	06/17/2024	
		Aug 15, 2024			
<u>APPROVED BY</u>	<u>SIGNATURE</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
ROBERT HAMILTON		ROBERT G HAMILTON	AJV-A433	12/26/2024	MANAGER
		Aug 15, 2024			

REQUIRED EFFECTIVE DATE
ROUTINE

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER:ZNY, N90, LGA ATCT, AMGR

CHANGES - REASONS:
1. CHANGED DP ROUTE DESCRIPTION FOR RWY 13 FROM "CLIMB ON HEADING 134.13 TO INTERCEPT COURSE 178.97 TO CROSS KIWIE AT OR ABOVE 2500 AND AT OR BELOW 220 KIAS, THEN ON TRACK 203.59 TO CROSS NTHNS AT OR ABOVE 3000 AND AT OR BELOW 220 KIAS, THEN ON TRACK 229.67 TO CROSS CNRSE AT OR ABOVE 5000 AND AT OR BELOW 230 KIAS, THEN ON DEPICTED ROUTE TO ASALT, THEN ON TRACK 224.00 FOR RADAR VECTOR ON COURSE. MAINTAIN 5000 OR AS ASSIGNED BY ATC. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE" TO "CLIMB ON HEADING 134.13 TO INTERCEPT COURSE 178.97 TO CROSS KIWIE AT OR ABOVE 2500 AND AT OR BELOW 220 KIAS, THEN ON TRACK 203.59 TO CROSS NTHNS AT OR ABOVE 3000 AND AT OR BELOW 220 KIAS, THEN ON TRACK 229.67 TO CROSS CNRSE AT OR ABOVE 5000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 223.80 TO ASALT, THEN ON TRACK 224.00 FOR RADAR VECTOR ON COURSE. MAINTAIN 5000. EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE" - VERBIAGE CORRECTED IAW 8260.46J APPENDIX E SECTION 1 #2 C.
2. UPDATED CLIMB GRADIENT NOTE FROM "ADVISE ATC ON INITIAL CONTACT IF UNABLE TO COMPLY WITH CLIMB GRADIENT REQUIREMENTS" TO "ALL AIRCRAFT ATC CLIMB GRADIENT: IF UNABLE TO ACCEPT CLIMB RATE, ADVISE ATC PRIOR TO TAXI. RWY 13: STANDARD WITH MINIMUM CLIMB OF 620 FT/NM TO 2500" - REQUIRED DUE TO ATC CLIMB GRADIENT PUBLICATION AND UPDATED VERBIAGE/MOVED NOTE TO APPROPRIATE SECTION PER CURRENT DEPARTURE DOCUMENTATION GUIDANCE.
3. PBN REQUIREMENTS NOTES: UPDATED FROM "DME/DME/IRU OR GPS REQUIRED" AND "RNAV 1" TO "RNAV 1 - DME/DME/IRU OR GPS" AND MOVED FROM PROCEDURAL DATA NOTES TO PBN REQUIREMENTS NOTES SECTION - IAW 8260.46J APPENDIX E SECTION 1 #2 E AND PARA 2-1-1.F.(3).
4. EQUIPMENT REQUIREMENT NOTES: MOVED "RADAR REQUIRED" NOTE FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES SECTION - IAW 8260.46J APPENDIX E SECTION 1 #2 F AND PARA 2-1-1.F.
5. PROCEDURAL DATA NOTES: UPDATED FROM "FOR TURBOJET AIRCRAFT ONLY" TO "JET AIRCRAFT ONLY" - IAW 8260.46J APPENDIX E SECTION 1 #2 G AND PER FPT REQUEST.



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NTHNS	SIX	NTHNS6.NTHNS	FIVE	05/21/2020	26 DEC 2024

6. UPDATED PROCEDURAL DATA NOTES FROM "TRAFFIC FILED RBV, WHITE, SHIPP, WAVEY, DIXIE: EXPECT RADAR VECTORS AFTER ASALT" TO "TRAFFIC FILED RBV VORTAC, WHITE, SHIPP, WAVEY, DIXIE: EXPECT RADAR VECTORS AFTER ASALT" - ADDED "VORTAC" TO RBV TO PROVIDE CLARITY.

7. TAKEOFF MINIMUMS: UPDATED FROM "TAKEOFF MINIMUMS RWYS 4, 22, 31: NA - ATC" AND "RWY 13: STANDARD WITH MINIMUM CG OF 620 FT PER NM TO 2500" TO "RWY 4, 22, 31: NA - ATC" AND "RWY 13: STANDARD WITH MINIMUM CLIMB OF 620 FT/NM TO 2500" - NEW NOTE FORMAT IAW 8260.46J APPENDIX E SECTION 1 #2 E.

8. ADDED MSA DOCUMENTATION TO MSA SECTION - IAW 8260.46J APPENDIX E SECTION 1 #2 K.

9. ADDITIONAL FLIGHT DATA: UPDATED MAG VAR INFORMATION FROM "REFERENCE MAG VAR: KLGA 12W EPOCH YEAR 1980" TO "AIRPORT MV: LGA 12W/1980" - IAW MEMO DATED 07/15/2022: MAGNETIC VARIATION DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE PROCEDURES.

10. ADDITIONAL FLIGHT DATA: DELETED "CHART CROSSING RESTRICTIONS: KIWIE AT OR ABOVE 2500; NTHNS AT OR ABOVE 3000; CNRSE AT OR ABOVE 5000" - INFORMATION IS CONTAINED IN DP ROUTE DESCRIPTION; NOT REQUIRED TO BE ANNOTATED IN ADDITIONAL FLIGHT DATA SECTION.

11. ADDITIONAL FLIGHT DATA: ADDED "DME/DME ASSESSMENT: SAT (RNP 2.0)" - IAW 8260.46J APPENDIX E SECTION 1 #2 M.(4).(A).

12. AIRPORTS SERVED: DELETED AIRPORT NAME "LA GUARDIA" - IAW 8260.46J APPENDIX E SECTION 1 #2 N.

13. COMMUNICATIONS: ADDED "CHART" AND DELETED "DEP CON" - IAW 8260.46J APPENDIX E SECTION 1 #2 O.

14. FIXES AND/OR NAVAIDS: DELETED "COL VOR/DME" AND AMENDED RBV NAVAID TYPE FROM "VOR/DME" TO "VORTAC" - COL VOR/DME REMOVED DUE TO VORMON AND RBV NAVAID TYPE PREVIOUSLY DOCUMENTED INCORRECTLY.

15. REMARKS: ADDED MSA CONTROLLING OBSTACLE DATA: 1806 FT MSL BUILDING (36-020633) 404246.75N/0740047.27W" - TO PROVIDE DETAILED MSA CONTROLLING OBSTACLE DATA.

16. REMARKS: ADDED "ABBREVIATED AMENDMENT", "APPROVAL LETTER ON FILE FOR CLIMB GRADIENT IN EXCESS OF 500 FT/NM", AND "WAIVER ON FILE FOR VI LEG LENGTH GREATER THAN 1 NM FROM DER" - IAW 8260.46J APPENDIX E SECTION 1 #2 Q.

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
NTHNS						SIX	NTHNS6.NTHNS	FIVE	05/21/2020	26 DEC 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW13 (AER)	404656.27N/0735242.67W	N	-	-	-	-				
-	404552.88N/0735029.99W	-	-	VI	122.13	1.98			CG 620 FT/NM TO 2500	
KIWIE	404246.02N/0734933.25W	Y	FB	CF	167.00	3.19	AT/ABOVE 2500	AT/BELOW 220K		
NTHNS	404018.28N/0735013.05W	Y	FB	TF	191.59	2.51	AT/ABOVE 3000	AT/BELOW 220K		
CNRSE	403720.73N/0735312.89W	Y	FB	TF	217.67	3.74	AT/ABOVE 5000	AT/BELOW 230K		
ASALT	403139.32N/0735750.18W	Y	FB	TF	211.80	6.69				
ASALT	403139.32N/0735750.18W	-	-	FM	212.00	-				