

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LA GUARDIA	FIVE	LGA5.LGA	FOUR	15 DEC 2011	25 JUN 2015

TYPE: SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 4: CLIMB HEADING 044.13 TO 600, THEN RIGHT TURN HEADING 055.00, MAINTAIN 5000, THENCE...

TAKEOFF RWY 13 (CONEY CLIMB – TURBOJETS ONLY – REQUIRES MINIMUM ATC CLIMB OF 900 FT PER NM TO 1500, IF UNABLE ADVISE ATC): CLIMBING RIGHT TURN HEADING 180.00 TO INTERCEPT CRI R-043 (DO NOT EXCEED 230 KNOTS UNTIL INTERCEPTING CRI-043) TO CRI VOR/DME, THEN ON CRI R-223. CROSS LGA 2.5 DME AT OR ABOVE 1500, MAINTAIN 5000, THENCE...

TAKEOFF RWY 13 (FLUSHING CLIMB): CLIMB HEADING 134.13 TO LGA 2.5 DME, THEN LEFT TURN HEADING 050.00, MAINTAIN 5000, THENCE...

TAKEOFF RWY 13 (MASPETH CLIMB – TURBOJETS ONLY – REQUIRES MINIMUM ATC CLIMB OF 900 FT PER NM TO 4400, IF UNABLE ADVISE ATC): CLIMBING RIGHT TURN HEADING 180.00, AT LGA 4.1 DME TURN RIGHT HEADING 340.00, MAINTAIN 5000, CROSS LGA R-220 AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 13 (WHITESTONE CLIMB - REQUIRES MINIMUM ATC CLIMB OF 500 FT PER NM TO 1500, IF UNABLE ADVISE ATC): CLIMBING RIGHT TURN HEADING 180.00 TO LGA 2.5 DME, THEN LEFT TURN HEADING 040.00 (DO NOT EXCEED 210 KNOTS UNTIL ESTABLISHED ON HEADING 040). MAINTAIN 5000, THENCE...

TAKEOFF RWY 22: CLIMBING LEFT TURN HEADING 070.00, MAINTAIN 5000, THENCE...

TAKEOFF RWY 31: CLIMB HEADING 314.14 (OR AS ASSIGNED BY ATC), MAINTAIN 5000, THENCE...

...EXPECT VECTORS TO ASSIGNED ROUTE/FIX. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL WITHIN TEN (10) MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
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PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RADAR REQUIRED.

NOTE: DME REQUIRED FOR TAKEOFF RWY 13.

NOTE: RWY 31 DEPARTURES: EXPECT TURN ON COURSE LEAVING 6000.

NOTE: TRAFFIC FILED OVER BIGGY, LANNA, ELIOT, PARKE, ZIMMZ, NEWEL: DO NOT EXCEED 250 KIAS UNTIL REACHING 11000.

NOTE: BAYYS DEPARTURES EXPECT VECTORS TO BDR/BDR-054.

NOTE: COATE DEPARTURES EXPECT VECTORS TO SAX/SAX R-311.

NOTE: SHIPP DEPARTURES EXPECT VECTORS TO JFK/JFK R-139.

NOTE: WAVEY DEPARTURES EXPECT VECTORS TO JFK/JFK R-156.

NOTE: WHITE DEPARTURES EXPECT VECTORS TO COL/COL R-204.

NOTE: BIGGY DEPARTURES EXPECT VECTORS TO SBJ/SBJ R-237.

NOTE: DIXIE DEPARTURES EXPECT VECTORS TO COL/COL R-192.

NOTE: ELIOT DEPARTURES EXPECT VECTORS TO SAX R-252. ELIOT AUTHORIZED FOR ALL AIRCRAFT TYPES BUT RESTRICTED TO A FINAL ALTITUDE OF 14000 OR 16000.

NOTE: ZIMMZ DEPARTURES EXPECT VECTORS TO SAX R-250. ZIMMZ AUTHORIZED FOR ALL AIRCRAFT TYPES BUT RESTRICTED TO A FINAL ALTITUDE OF FL 180 AND ABOVE.

NOTE: NEWEL DEPARTURES EXPECT VECTORS TO SAX R-264. NEWEL AUTHORIZED ONLY FOR JET AIRCRAFT REQUESTING A FINAL ALTITUDE OF FL 180 AND ABOVE.

NOTE: GAYEL DEPARTURES EXPECT VECTORS TO DPK R-320.

NOTE: GREKI DEPARTURES EXPECT VECTORS TO CMK R-057.

NOTE: LANNA DEPARTURES EXPECT VECTORS TO PTW R-059.

NOTE: MERIT DEPARTURES EXPECT VECTORS TO LGA R-055.



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NOTE: NEION DEPARTURES EXPECT VECTORS TO LGA R-322.

NOTE: PARKE DEPARTURES EXPECT VECTORS TO BWZ/BWZ R-250.

NOTE: HAAYS DEPARTURES EXPECT VECTORS TO HUO.

TAKEOFF MINIMUMS:

RWY 4, STANDARD.

RWY 13 (CONEY CLIMB), 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 500. ATC CLIMB OF 900 FT PER NM TO 1500.

RWY 13 (MASPETH CLIMB), STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 500. ATC CLIMB OF 900 FT PER NM TO 4400.

RWY 13 (FLUSHING CLIMB), 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 500. ATC CLIMB OF 280 FT PER NM TO 500.

RWY 13 (WHITESTONE CLIMB), 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 500. ATC CLIMB OF 500 FT PER NM TO 1500.

RWY 22, 300-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1100 FT PRIOR TO DER.

RWY 31, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 500.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 13, LOCALIZER 392 FT FROM DER, ON CENTERLINE, 18 FT AGL/19 FT MSL. STACK, FENCES, AND BUILDINGS BEGINNING 97 FT FROM DER, 171 FT LEFT OF CENTERLINE, UP TO 83 FT AGL/103 FT MSL. FENCES, BUILDINGS, AND TREES BEGINNING 28 FT FROM DER, 415 FT RIGHT OF CENTERLINE, UP TO 21 FT AGL/22 FT MSL. STACK 4934 FT FROM DER, 1513 FT LEFT OF CENTERLINE, 172 FT AGL/181 FT MSL. BUILDING 1.9 NM FROM DER, 758 FT RIGHT OF CENTERLINE, 280 FT AGL/345 FT MSL.

NOTE: RWY 22, BUILDINGS AND TREES BEGINNING 165 FT FROM DER, 150 FT LEFT OF CENTERLINE, UP TO 72 FT AGL/101 FT MSL. BLAST FENCE, FENCE, STACK ON BUILDING, NAVAID, AND TREES BEGINNING 109 FT FROM DER, 138 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/104 FT MSL. TOWER 1.8 NM FROM DER, 566 FT RIGHT OF CENTERLINE, 222 FT AGL/302 FT MSL.

NOTE: RWY 31, STACK 1.2 NM FROM DER, 2015 FT LEFT OF CENTERLINE, 250 FT AGL/268 FT MSL.

CONTROLLING OBSTACLES:

RWY 4: 1505 FT MSL BUILDING 404454.36N/0735908.50W.

RWY 13 (CONEY CLIMB): 181 FT MSL STACK 404606.19N/0735020.83W. 345 FT MSL BUILDING 404513.00N/0734925.00W. 1505 FT MSL BUILDING 404454.36N/0735908.50W.

RWY 13 (MASPETH CLIMB): 181 FT MSL STACK 404606.19N/0735020.83W. 345 FT MSL BUILDING 404513.00N/0734925.00W. 1806 FT MSL BUILDING 404246.75N/0740047.27W.

RWY 13 (FLUSHING CLIMB): 181 FT MSL STACK 404606.19N/0735020.83W. 345 FT MSL BUILDING 404513.00N/0734925.00W. 1505 FT MSL BUILDING 404454.36N/0735908.50W.

RWY 13 (WHITESTONE CLIMB): 181 FT MSL STACK 404606.19N/0735020.83W. 345 FT MSL BUILDING 404513.00N/0734925.00W. 1505 FT MSL BUILDING 404454.36N/0735908.50W.

RWY 22: 302 FT MSL TOWER 404437.82N/0735426.82W. 1806 FT MSL BUILDING 404246.75N/0740047.27W.

RWY 31: 268 FT MSL STACK 404720.62N/0735422.93W. 1505 FT MSL BUILDING 404454.36N/0735908.50W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: 5000

AIRPORTS SERVED:

LA GUARDIA

NEW YORK, NY



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COMMUNICATIONS:

ATIS, CLEARANCE DEL, GROUND CONTROL, TOWER, NY DEP CON

FIXES AND/OR NAVAIDS:

BDR VOR/DME, BWZ VOR/DME, CMK VOR/DME, CRI VOR/DME, COL VOR/DME, CYN VORTAC, DPK VOR/DME, HUO VOR/DME, JFK VOR/DME, LGA VOR/DME, PTW VORTAC, RBV VORTAC, SAX VORTAC, SBJ VOR/DME, BAYYS, MERIT, GREKI, GAYEL, HAAYS, NEION, COATE, NEWEL, ELIOT, ZIMMZ, PARKE, LANNA, BIGGY, WHITE, WAVEY, DIXIE, SHIPP.



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REMARKS:

1. RWY 13 (MASPETH CLIMB) AND RWY 22 CONTROLLING OBSTACLE IS THE NEW WORLD TRADE CENTER CURRENTLY UNDER CONSTRUCTION (SEE 2007-AEA-4397-OE).
2. RWY 31 CLIMB GRADIENTS NOT ESTABLISHED FOR HEADINGS "AS ASSIGNED BY ATC." ALL 40:1 PENETRATIONS OUTSIDE OF THE ICA ARE SKYSCRAPERS IN MANHATTAN LEFT OF RUNWAY CENTERLINE. ATC ADVISES THAT WHEN A HEADING OTHER THAN 314 DEGREES IS ASSIGNED, IT IS IN THE 340 DEGREE TO 360 DEGREE RANGE. AIRCRAFT WILL NEVER BE ASSIGNED AN INITIAL HEADING LEFT OF CENTERLINE IN ORDER TO AVOID LOW LEVEL FLIGHT OVER MANHATTAN AND NEWARK AIRSPACE BOUNDARIES.
3. VCOA NOT DEVELOPED BY REQUEST OF ATC.

CHANGES:

ADDED CHART: TOP ALTITUDE: 5000

REASONS:

ATC REQUEST

