U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.

City, State	Airport	Effective Date	Amdt. No.
NEW YORK, NY	LA GUARDIA	31 MAY 2012	9A

TAKEOFF MINIMUMS:

RWY 4, STANDARD.

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

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.

TEXTUAL DEPARTURE PROCEDURES:

RWY 4 – CLIMB HEADING 044.13 TO 800 BEFORE PROCEEDING ON COURSE.

RWY 13 – CLIMB HEADING 134.13 TO 800 BEFORE PROCEEDING WESTBOUND.

RWY 22 – CLIMB HEADING 224.14 TO 2200 BEFORE PROCEEDING WESTBOUND.

RWY 31 – CLIMB HEADING 314.14 TO 1400 BEFORE PROCEEDING WESTBOUND.

TAKEOFF OBSTACLE 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 13: 181 FT MSL STACK 404606.19N/0735020.83W. 345 FT MSL BUILDING 404513.00N/0734925.00W.

RWY 22: 302 FT MSL TOWER 404437.82N/0735426.82W.

RWY 31: 268 FT MSL STACK 404720.62N/0735422.93W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

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

RWY 13 – 1505 FT MSL BUILDING 404454.36N/0735908.50W, 1906 FT MSL TOWER 404246.75N-0740047.27W.

RWY 22 – 1806 FT MSL BUILDING 404246.75N/0740047.27W, 1906 FT MSL TOWER 404246.75N-0740047.27W

RWY 31 – 1505 FT MSL BUILDING 404454.36N/0735908.50W.

REMARKS:

CONTROLLING OBSTACLE FOR RWY 22, 13 ODP ROUTE DEVELOPMENT IS A TEMP CRANE (2010-AEA-487-OE) 11/8/2011-01/01/2013 AT THE SAME SIGHT AS THE NEW WORLD TRADE CENTER CURRENTLY UNDER CONSTRUCTION (SEE 2007-AEA-4397-OE).