

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

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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
FARMINGDALE	FIVE	FRG5.FRG	FOUR	03 JUN 10	04 FEB 2016

**TYPE:** SID

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 1:** CLIMB HEADING 013.18, MAINTAIN 3000 FT, THENCE ...

**TAKEOFF RWYS 14/19:** CLIMBING RIGHT TURN ON HEADING 220, MAINTAIN 3000 FT, THENCE...

**TAKEOFF RWY 32:** CLIMBING RIGHT TURN ON HEADING 010, MAINTAIN 3000 FT, THENCE...

...ON VECTORS TO ASSIGNED ROUTE/FIX. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL TEN MINUTES AFTER DEPARTURE.

BAYYS DEPARTURES: EXPECT VECTORS TO BDR VOR/DME R-054, TO BAYYS INT.

COATE DEPARTURES: EXPECT VECTORS TO SAX VORTAC/SAX R-311, TO COATE INT.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

**RWY 14, 19,** STANDARD.

**RWY 1,** 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FT PRIOR TO DER.

**RWY 32,** 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 215 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 1500 FT PRIOR TO DER.

**TAKEOFF OBSTACLES NOTES:**

**NOTE: RWY 1,** FENCE 3 FT FROM DER, 421 FT LEFT OF CENTERLINE, 9 FT AGL/88 FT MSL. BUILDING, STACK AND TREES BEGINNING 264 FT FROM DER, 246 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/134 FT MSL. TREES BEGINNING 315 FT FROM DER, 568 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL/155 FT MSL. POLE AND TREES BEGINNING 1266 FT FROM DER, 279 FT RIGHT OF CENTERLINE, UP TO 54 FT AGL/137 FT MSL. TANK, ELEVATOR AND TREES BEGINNING 1382 FT FROM DER, 447 FT LEFT OF CENTERLINE, UP TO 69 FT AGL/141 FT MSL. TANK 5858 FT FROM DER, 1440 FT LEFT OF CENTERLINE, 151 FT AGL/244 FT MSL.

**NOTE: RWY 14,** POLE AND VEHICLES ON ROAD BEGINNING 181 FT FROM DER, 73 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/74 FT MSL. TREES BEGINNING 534 FT FROM DER, 97 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/88 FT MSL. TREES BEGINNING 915 FT FROM DER, 24 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/119 FT MSL. POLE AND TREES BEGINNING 1124 FT FROM DER, 245 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/104 FT MSL. TREES 2135 FT FROM DER, 331 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/124 FT MSL.

**NOTE: RWY 19,** SIGN, BUILDING, POLES, AND TREES BEGINNING 77 FT FROM DER, 208 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/102 FT MSL. TREES BEGINNING 182 FT



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FROM DER, 498 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/100 FT MSL. POLE 861 FT FROM DER, 70 FT LEFT OF CENTERLINE, 41 FT AGL/99 FT MSL. POLES AND TREES BEGINNING 879 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL/115 FT MSL. POLES AND TREES BEGINNING 1207 FT FROM DER, 308 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/124 FT MSL. TOWER 2453 FT FROM DER, 318 FT RIGHT OF CENTERLINE, 84 FT AGL/141 FT MSL.

**NOTE: RWY 32**, FENCE 146 FT FROM DER, 243 FT RIGHT OF CENTERLINE, 12 FT AGL/88 FT MSL. POLE 329 FT FROM DER, 451 FT LEFT OF CENTERLINE, 30 FT AGL/103 FT MSL. BUILDING AND POLES BEGINNING 1489 FT FROM DER, 188 FT LEFT OF CENTERLINE, UP TO 69 FT AGL/142 FT MSL. TREES 1690 FT FROM DER, 22 FT RIGHT OF CENTERLINE, UP TO 52 FT AGL/124 FT MSL. TANK 1.3 NM FROM DER, 1122 FT LEFT OF CENTERLINE, 107 FT AGL/296 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 1:** 244 FT MSL TANK 404511.46N/0732512.18W. **RWY 32:** 296 FT MSL TANK 404451.00N/0732647.00W.

**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1, 32 – 551 FT MSL TOWER 404632.29N/0732630.02W.**

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

CHART: V116-126-188 AND J36 SAX VORTAC TO COATE.  
CHART: V229 BDR VOR/DME TO BAYYS.  
CHART: TOP ALTITUDE: 3000

**AIRPORTS SERVED:**

REPUBLIC

FARMINGDALE, NY

**COMMUNICATIONS:**

ATIS, CLNC DEL, GAD CON, TOWER, DEP CON

**FIXES AND/OR NAVAIDS:**

JFK VOR/DME, RBV VORTAC, ARD VOR/DME, NEION INT, HAAYS INT, GAYEL INT, GREKI INT, MERIT INT, SHIPP INT, WAVEY INT, DIXIE INT, WHITE INT AND LANNA INT.



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**REMARKS:**

**CHANGES:**

1. ADDED: CHART: TOP ALTITUDE: 3000
2. UPDATED TAKEOFF OBSTACLE NOTES AND CONTROLLING OBSTACLES.
3. UPDATED TAKEOFF MINIMUMS FROM "RWY 1, 200-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 207' PER NM TO 300, RWY 32, STANDARD WITH MINIMUM CLIMB OF 242' PER NM TO 800" TO "RWY 1, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FT PRIOR TO DER" AND "RWY 32, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 215 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 1500 FT PRIOR TO DER".

**REASONS:**

1. ATC REQUEST
2. TO MATCH UPDATED ODP FOR THE AIRPORT.
3. TO MATCH UPDATED ODP FOR THE AIRPORT.

