

**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SUPERSEDED NUMBER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>EFFECTIVE DATE</u>
NEWARK	THREE	EWR3.EWR	TWO	6/25/2015	08 NOV 2018

<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 type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 4L/R: CLIMB HEADING 038.82 TO 500, THEN CLIMBING RIGHT TURN HEADING 060 TO I-EZA 4 DME (USE I-EWR 3.6 DME WHEN I-EZA IS NOT AVAILABLE). THEN CLIMBING LEFT TURN HEADING 290. CROSS TEB R-214 WESTBOUND AT OR ABOVE 2500, CLIMB AND MAINTAIN 3000, THENCE . . .

TAKEOFF RWY 11: CLIMBING LEFT TURN HEADING 060.00 (DO NOT PROCEED EAST OF COL R-023) TO 1-EZA 4 DME (USE I-EWR 3.6 DME WHEN I-EZA IS NOT AVAILABLE), THEN CLIMBING LEFT TURN HEADING 290. CROSS TEB R-214 WESTBOUND AT OR ABOVE 2500, CLIMB AND MAINTAIN 3000, THENCE . . .

TAKEOFF RWY 22L: CLIMB HEADING 218.83 TO 500, THEN CLIMBING LEFT TURN HEADING 190 TO I-LSQ 2.3 DME (USE I-JNN 2.8 DME WHEN I-LSQ IS NOT AVAILABLE). THEN CLIMBING RIGHT TRUN HEADING 220. MAINTAIN 2500, THENCE . . .

TAKEOFF RWY 22R: CLIMBING LEFT TURN HEADING 190.00 TO I-LSQ 2.3 DME(USE I-JNN 2.8 DME WHEN I-LSQ IS NOT AVAILABLE), THEN CLIMBING RIGHT TURN HEADING 220. MAINTAIN 2500, THENCE . . .

TAKEOFF RWY 29: CLIMB HEADING 288.00 TO I-GPR 1.4 DME, THEN CLIMBING LEFT TURN HEADING 265. MAINTAIN 3000, THENCE . . .

. . . . AS PER NOTES OR ON VECTOR TO ASSIGNED ROUTE/FIX. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL TEN (10) MINUTES AFTER DEPARTURE.

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>
------------------------	---------------------------------	------------------------	----------------------	---------------	-----------------	------------	-------------	--------------------------------

PROCEDURAL DATA NOTES:

NOTE: TAKEOFF RWY 11 OBSTRUCTION, 1806 FEET HIGH BUILDING 6.6 MILES EAST OF DEPARTURE END OF RUNWAY. **NOTE:** RADAR AND DME REQUIRED. **NOTE:** RWY 4L/R, 11 SIMULTANEOUS RECEPTION OF EWR ILS/DME REQUIRED. **NOTE:** RWY 22L/R WESTBOUND DEPARTURES EXPECT VECTORS BETWEEN 5 AND 8 NM.

NOTE: RWY4L/R DEPARTURES:

NOTE: BAYYS DEPARTURES EXPECT VECTORS TO BDR/BDR R-054. **NOTE:** BIGGY DEPARTURES EXPECT VECOTRS TO **SBJ**/SBJ R-237. **NOTE:** BREZY DEPARTURES EXPECT VECTORS TO IGN R-217 TO BREZY. **NOTE:** COATE DEPARTURES EXPECT VECTORS TO SAX/SAX R-311. **NOTE:** DIXIE DEPARTURES EXPECT VECTORS TO COL R-350/COL/COL R-192 OR ELVAE/COL. **NOTE:** ELIOT DEPARTURES EXPECT VECTORS TO SAX R-252. ELIOT MAY BE ACCESSED BY ALL TYPES OF AIRCRAFT REQUESTING A FINAL ALTITUDE OF 14,000 OR 16,000. **NOTE:** GAYEL DEPARTURES EXPECT VECTORS TO DPK R-320. **NOTE:** HAAYS DEPARTURES EXPECT VECTORS TO HUO. **NOTE:** LANNA DEPARTURES EXPECT VECTORS TO PTW R-059. **NOTE:** MERIT DEPARTURES EXPECT VECTORS TO LGA R-055. **NOTE:** NEION DEPARTURES EXPECT VECTORS TO LGA R-322. **NOTE:** NEWEL DEPARTUES EXPECT VECTORS TO SAX/SAX R-264. NEWEL MAY BE ACCESSED BY TURBOJECT AIRCRAFT ONLY REQUESTING A FINAL ALTITUDE AT OR ABOVE FLIGHT LEVEL 180. **NOTE:** PARKE DEPARTURES EXPECT VECTORS TO BWZ R-250. **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 R-350/COL/COL R-204 OR ELVAE/COL. **NOTE:** ZIMMZ DEPARTURES EXPECT VECTORS TO SAX R-250. ZIMMZ MAY BE ACCESSED BY ALL TYPES OF AIRCRAFT REQUESTING A FINAL ALTITUDE AT OR ABOVE FLIGHT LEVEL 180.

NOTE: RWY 22L/R DEPARTURES:

NOTE: BAYYS DEPARTURES EXPECT VECTORS TO BDR/BDR R-054. **NOTE:** BIGGY DEPARTURES EXPECT VECTORS TO **SBJ**/SBJ R-237. **NOTE:** BREZY DEPARTURES EXPECT VECTORS TO IGN R-217 TO BREZY. **NOTE:** COATE DEPARTURES EXPECT VECTORS TO SAX/SAX R-311. **NOTE:** DIXIE DEPARTURES EXPECT VECTORS TO COL R-350/COL/COL R-192 OR ELEVE/COL. **NOTE:** ELIOT DEPARTUES EXPECT VECTORS TO ETX (2300L-0700L SBJ/ETX). ELIOT MAY BE ACCESSED BY AL TYPES OF AIRCRAFT REQUESTING A FINAL ALTITUDE OF 14,000 OR 16,000. **NOTE:** GAYEL DEPARTURES EXPECT VECTORS TO DPK R-320. **NOTE:** HAAYS DEPARTURES EXPECT VECTORS TO HUO. **NOTE:** LANNA DEPARTURES EXPECT VECTORS TO **SBJ**/SBJ R-274. **NOTE:** MERIT DEPARTURES EXPECT VECTORS TO LGA R-055. **NOTE:** NEION DEPARTURES EXPECT VECTORES TO LGA R-322. **NOTE:** NEWEL DEPARTURES EXPECT VECTORS TO SAX/SAX R-264. NEWEL MAY BE ACCESSED BY TURBOJET AIRCRAFT ONLY REQUESTING A FINAL ALTITUDE AT OR ABOVE FLIGHT LEVEL 180. **NOTE:** PARKE DEPARTURES EXPECT VECTORS TO **SBJ**/SBJ R-302. **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 R-350/COL/COL

QUALITY
3
CHECKED

**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>EFFECTIVE DATE</u>
NEWARK	THREE	EWR3.EWR	TWO	6/25/2015	08 NOV 2018

R-204 OR ELVAE/COL. **NOTE:** ZIMMZ DEPARTURES EXPECT VECTORS TO SBJ/SBJ R-317. ZIMMZ MAY BE ACCESED BY ALL TYPES OF AIRCRAFT REQUESTING A FINAL ALTITUDE AT OR ABOVE FLIGHT LEVEL 180.

TAKEOFF MINIMUMS:

RWY 4L/R: STANDARD. ATC CLIMB OF 500 FT PER NM TO 2500.

RWY 11: STANDARD WITH MINIMUM CLIMB OF 361 FT PER NM TO 2500.

RWY 22L: STANDARD WITH MINIMUM CLIMB OF 453 FT PER NM TO 500.

RWY 22R: STANDARD WITH MINIMUM CLIMB OF 459 FT PER NM TO 400.

RWY 29: STANDARD WITH MINIMUM CLIMB OF 473 FT PER NM TO 500.

TAKEOFF OBSTACLES NOTES:

SE FORM 8260-15A, TAKE OFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:

RWY 4L/R, 22L: 410 FT MSL CRANE 404106.56N/0740925.42W

RWY 11: 1806 FT MSL BUILDING 404246.75N/0740047.27W

RWY 29: 358 FT MSL BUILDING 404231.00N/0741207.00W, 1806 FT MSL BUILDING 404246.75N/0740047.27W

LOST COMMUNICATIONS PROCEDURES:

FOR AIRCRAFT PROCEEDING TO COATE, NEION, HAAYS, GAYEL, OR BREZY, IF RADIO CONTACT LOST/NOT ESTABLISHED WITH ATC, CLIMB TO 3000 FEET AFTER SBJ R-047.

ADDITIONAL FLIGHT DATA:

CHART TEB R-214 AND 290 HEADING CROSSING FOR RWY 4L/R DEPARTURES. CHART DASH LINE ARROWS AND RADAR VECTORS AFTER 220 DEGREE HEADING FOR RWY 22L/R DEPARTURES.

CHART I-LSQ 2.3 DME ARC, I-EZA 4 DME ARC, AND I-GPR 1.4 DME ARC.

CHART ALL FIX AND FACILITY LAT/LONGS.

CHART BDR R-054 TO BAYYS, SBJ R-237 TO BIGGY, IGN R-217 TO BREZY, SAX R-311 TO COATE, COL R-350 TO ELVAE, COL R-192 TO DIXIE, SAX R-252 TO ELIOT, ETX R-069 TO ELIOT, DPK R-320

GAYEL, HUO R-145 TO HAAYS, PTW R-059 TO LANNA, SBJ R-274 TO LANNA, LGA R-055 TO MERIT, LGA R-322 TO NEION, SAX R-264 TO NEWEL, BWZ R-250 TO PARKE, SBJ R-302 TO PARKE, JFK R-139

TO SHIPP, JFK R-156 TO WAVEY, COL R-204 TO WHITE, SAX R-250 TO ZIMMZ, SBJ R-317 TO ZIMMZ.

CHART THE FIRST "SBJ" IN PROCEDURE NOTES ROUTING (SEE PROCEDUAL DATA NOTES/TAKEOFF MINIMUMS SECTION) FOR DP FIX BIGGY, LANNA, PARK, AND ZIMMZ IN BOLD PRINT AS DEPICTED.

CHART: TOP ALTITUDE RWY 4L/R/11/29: 3000; RWY 22L/R: 2500

KEWR AIRPORT REFERENCE MAGVAR: 13W 1985

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
NEWARK LIBERTY INTL	NEWARK	NJ

COMMUNICATIONS:

TOWER, GROUND, ATIS, AWOS, CLNC DEL, NEW YORK DEP CON

FIXES AND/OR NAVAIDS:

CMK VOR/DME, COL VORDME, BWZ VOR/DME, HUO VOR/DME, BDR VOR/DME, DPK VOR/DME, ETX VOR/DME, IGN VOR/DME, LGA VOR/DME, PTW VORTAC, SAX VORTAC, SBJ VOR/DME, JNN ILS DME, LSQ ILS DME, EWR ILS DME, EZA ILS DME, GPR ILS DME, GREKI, GAYEL, HAAYS, NEION, COATE, BAYYS, BREZY, DIXIE, WHITE, MERIT, BIGGY, LANNA, PARKE, ELIOT, ELVAE, WAVEY, SHIPP, NEWEL, ZIMMZ.

QUALITY
3
CHECKED

**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>EFFECTIVE DATE</u>
NEWARK	THREE	EWR3.EWR	TWO	6/25/2015	08 NOV 2018

REMARKS:

1. ABBREVIATED AMENDMENT.
2. DUE TO PREVIOUS AIRCRAFT DEVIATIONS, ATC REQUEST THE FIRST "SBJ" IN THE ROUTINGS FOR FIXES BIGGY, LANNA, PARKE, AND ZIMMZ BE **BOLDED** IN PRINT; THE SECOND SBJ AND RADIAL TO BE IN NORMAL PRINT.

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.

OFFICE SYMBOL:

Digitally signed by

BEV L BORDY

Aug 21, 2018

DATE:**DEVELOPED BY:**

LONNIE EVERHART (KELLY CARLSON)

Digitally signed by

BEV L BORDY

Aug 21, 2018

OFFICE SYMBOL:

AJV-5400

DATE:

05/30/2018

APPROVED BY:

LONNIE EVERHART

Digitally signed by

BEV L BORDY

Aug 21, 2018

OFFICE SYMBOL:

AJV-5400

DATE:**REQUIRED EFFECTIVE DATE:**

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

☒ ☒ ☒ ☒ ☐ ☒

OTHER:

ZNY, EWR ATCT, N90, ARPT MGR

CHANGES - REASONS:

REDUCE FINAL CLIMB TO ALTITUDE ON RUNWAY 22L/R FROM 5000 FEET TO 2500 FEET - ATC REQUEST.

REMOVED TAKEOFF OBSTACLE NOTES FROM 8260-15B - PER MEMO 259.

CHANGED TOP ALTITUDE FOR RWY 22L/R FROM 5000 TO 2500 - ATC REQUEST.

CHANGED TOP ALTITUDE AND MAINTAIN ALTITUDE FOR RWY 29 FROM 5000 TO 3000 - ATC REQUEST.

UPDATED ENTRIES IN DP ROUTE DESCRIPTION AND PROCEDURAL DATA NOTES - CONFORMS TO CURRENT CRITERIA.

ADDED AIRPORT REFERENCE MAGVAR IN ADDITIONAL FLIGHT DATA - PER 8260-46F APPENDIX D, SECT 2, PARA 10B.

