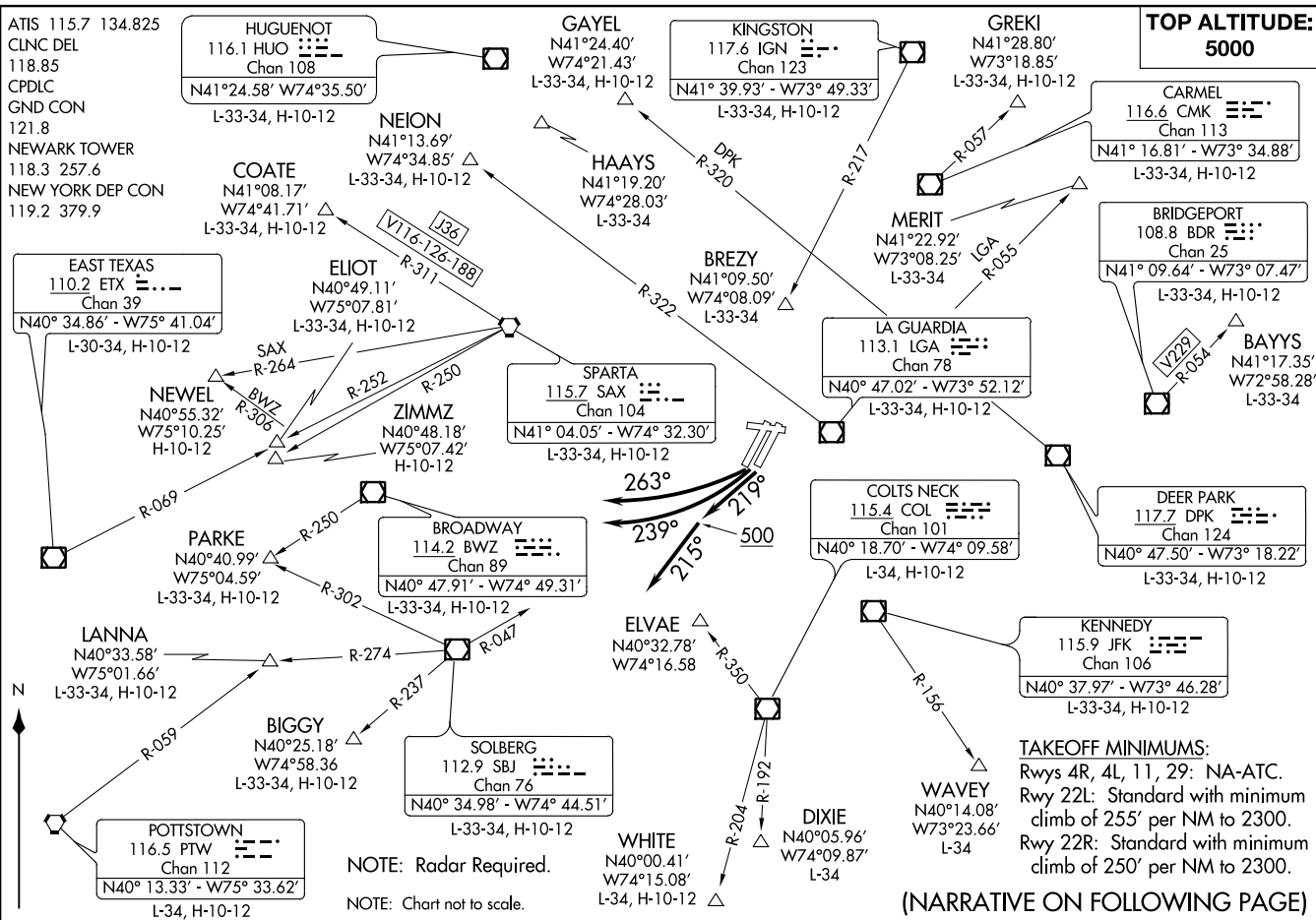


LIBERTY THREE DEPARTURE

NEWARK, NEW JERSEY
NEWARK LIBERTY INTL (E/W/R)

(NARRATIVE ON FOLLOWING PAGE)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 22L/R:
TURNPIKE CLIMB: Climb heading 219° to 500, then climb heading 215°, or as assigned by ATC, Thence. . . .
PARKWAY CLIMB: Climbing right turn to heading 239°, or as assigned by ATC, Thence. . . .
BUD CLIMB: Climbing right turn heading 263°, or as assigned by ATC, Thence. . . .

. . . . via radar vectors to assigned route/fix. Maintain 5000 or assigned lower altitude.
Expect clearance to filed altitude/flight level within 10 minutes after departure.

LOST COMMUNICATIONS: For aircraft proceeding to COATE, NEION, HAAYS, GAYEL, BREZY, if radio contact lost/not established with ATC, climb to 3000' after SBJ R-047.

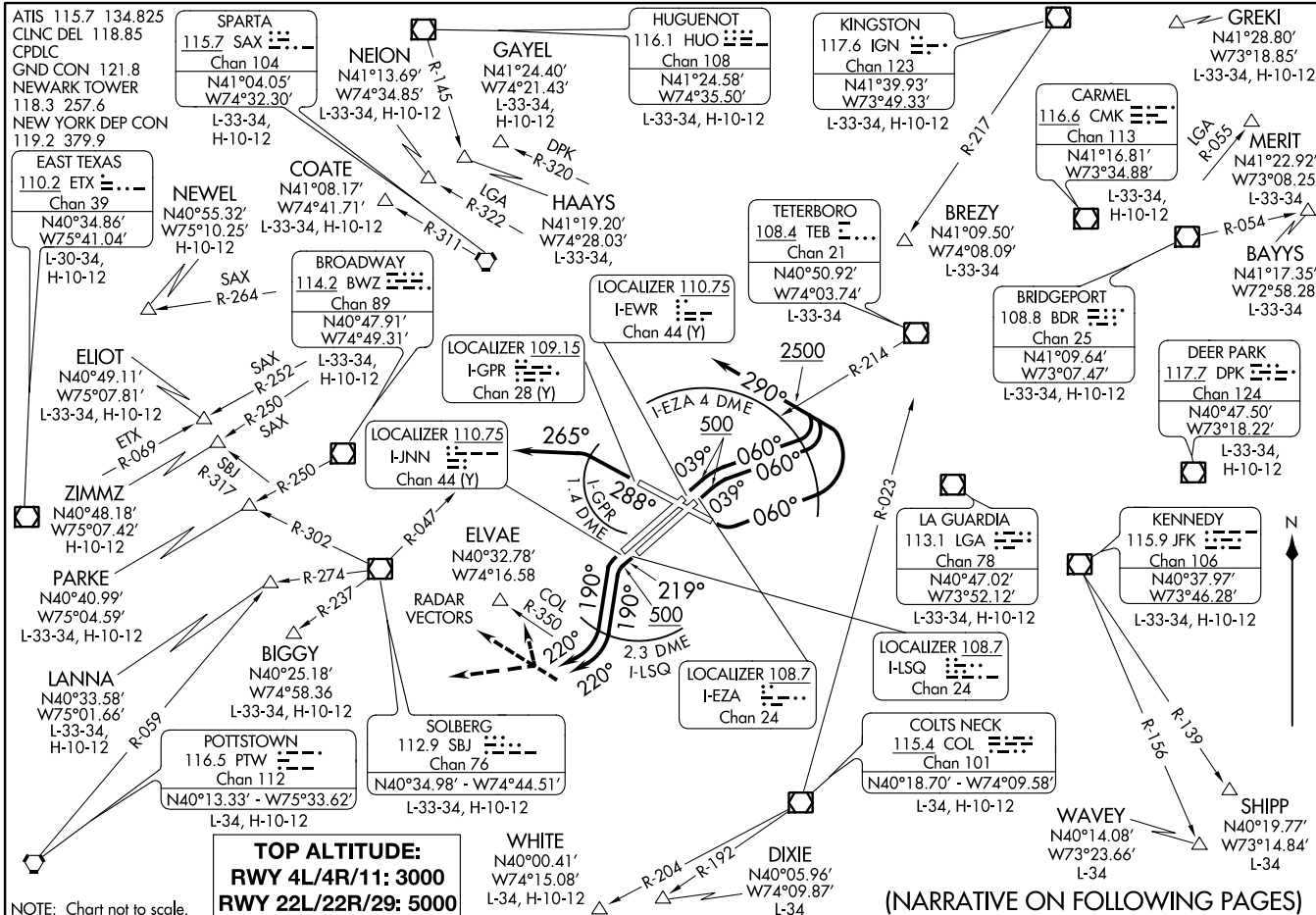
- NOTE: BAYYS departures expect vectors to BDR/BDR R-054.
- NOTE: BIGGY departures expect vectors to SBJ/SBJ R-237.
- NOTE: BREZY departures expect vectors to IGN R-217 to BREZY.
- NOTE: COATE departures expect vectors to SAX/SAX R-311.
- NOTE: ELIOT departures expect vectors to SAX R-252 between 2300 and 0700 local. ELIOT departures expect vectors to SBJ or ETX. ELIOT may be accessed by all type aircraft requesting final altitude of 14000' or 16000'.
- NOTE: GAYEL departures expect vectors to DPK R-320.
- NOTE: GREKI departures expect vectors to CMK/CMK R-057.
- 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 vectors to LGA R-322.
- NOTE: PARKE departures expect vectors to SBJ/SBJ R-302.
- NOTE: WAVEY departures expect vectors to JFK/JFK R-156.
- NOTE: WHITE/DIXIE departures expect vectors to COL R-350 or ELVAE/COL thence to WHITE on COL R-204 or to DIXIE on COL R-192.
- NOTE: ZIMMZ departures expect vectors to SAX R-250. ZIMMZ may be accessed by all type of aircraft requesting final altitude at or above FL180.
- NOTE: NEWEL departures expect vectors to SAX R-264. NEWEL may be accessed by turbojet aircraft only requesting a final altitude at or above FL180.

TAKEOFF OBSTACLE NOTES:
Rwy 22L: Pole 8' from DER, 261' left of centerline, 7' AGL/16' MSL.
Rwy 22R: Light and multiple trees beginning 1829' from DER, 307' right of centerline, up to 55' AGL/69' MSL.
Building 1.4 NM from DER, 1872' left of centerline, 200' AGL/227' MSL.

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DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4L/R: Climb heading 039° to 500, then climbing right turn heading 060° to I-EZA 4 DME (use I-EWR 3.6 DME when I-EZA is NA), then climbing left turn heading 290°. Cross TEB R-214 westbound at or above 2500, climb and maintain 3000. Thence

TAKEOFF RUNWAY 11: Climbing left turn heading 060° (do not proceed east of COL R-023) to I-EZA 4 DME (use I-EWR 3.6 DME when I-EZA is NA), then climbing left turn heading 290°. Cross TEB R-214 westbound at or above 2500, climb and maintain 3000'. Thence

TAKEOFF RUNWAY 22L: Climb heading 219° to 500, then climbing left turn heading 190° to I-LSQ 2.3 DME (use I-JNN 2.8 DME when I-LSQ is NA), then climbing right turn heading 220°. Maintain 5000'. Thence

TAKEOFF RUNWAY 22R: Climbing left turn heading 190° to I-LSQ 2.3 DME (use I-JNN 2.8 DME when I-LSQ is NA), then climbing right turn heading 220°. Maintain 5000'. Thence

TAKEOFF RUNWAY 29: Climb heading 288° to I-GPR 1.4 DME, then climbing left turn heading 265°. Maintain 5000'. Thence

. . . . as per notes or on vector to assigned route/fix. Expect clearance to filed altitude/flight level ten (10) minutes after departure.

LOST COMMUNICATIONS: For aircraft proceeding to COATE, NEION, HAAYS, GAYEL, BREZY, if radio contact lost/not established with ATC, climb to 3000 feet after SBJ R-047.

NOTE: Takeoff Rwy 11 obstruction, 1806' high building 6.6 miles east of DER.

NOTE: Radar and DME Required.

NOTE: Rwy 4L/R, 11 simultaneous reception of EWR ILS/DME and TEB VOR/DME Required.

NOTE: Rwy 22L/R westbound departures expect vectors between 5 and 8 NM.

	Depart Rwy 4L/R	Depart Rwy 22L/R
DP FIX	Expect VECTORS to:	Expect VECTORS to:
BAYYS	BDR/BDR R-054	BDR/BDR R-054
BIGGY	SBJ /SBJ R-237	SBJ /SBJ R-237
BREZY	IGN R-217 to BREZY	IGN R-217 to BREZY
COATE	SAX/SAX R-311	SAX/SAX R-311
DIXIE	COL R-350/COL/COL R-192 or ELVAE/COL	COL R-350/COL/COL R-192 or ELVAE/COL
ELIOT	SAX R-252	ETX (2300L-0700L SBJ/ETX)
GAYEL	DPK R-320	DPK R-320
HAAYS	HUO	HUO
LANNA	PTW R-059	SBJ /SBJ R-274
MERIT	LGA R-055	LGA R-055
NEION	LGA R-322	LGA R-322
NEWEL	SAX/SAX R-264	SAX/SAX R-264
PARKE	BWZ R-250	SBJ /SBJ R-302
SHIPP	JFK/JFK R-139	JFK/JFK R-139
WAVEY	JFK/JFK R-156	JFK/JFK R-156
WHITE	COL R-350/COL/COL R-204 or ELVAE/COL	COL R-350/COL/COL R-204 or ELVAE/COL
ZIMMZ	SAX R-250	SBJ /SBJ R-317

NOTE: ELIOT may be accessed by all types of aircraft requesting a final altitude of 14000' or 16000'.

NOTE: NEWEL may be accessed by turbojet aircraft only requesting a final altitude at or above FL180.

NOTE: ZIMMZ may be accessed by all types of aircraft requesting a final altitude at or above FL180.

(CONTINUED ON FOLLOWING PAGE)

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(NOTES CONTINUED)

TAKEOFF MINIMUMS:

- Rwys 4L/R: Standard. ATC climb of 500' per NM to 2500.
- Rwy 11: Standard with minimum climb of 361' per NM to 2500.
- Rwy 22L: Standard with minimum climb of 453' per NM to 500.
- Rwy 22R: Standard with minimum climb of 459' per NM to 400.
- Rwy 29: Standard with minimum climb of 473' per NM to 500.

TAKEOFF OBSTACLES NOTES:

- Rwy 4L: Tower, light, and multiple trees beginning 211' from DER, 198' left of centerline, up to 70' AGL/89' MSL.
DME antenna and pole beginning 881' from DER, 418' right of centerline, up to 121' AGL/131' MSL.
- Rwy 4R: DME antenna, tree, and multiple towers beginning 530' from DER, 477' left of centerline, up to 61' AGL/82' MSL.
Tower, sign, tree, multiple buildings and poles beginning 1134' from DER, 153' right of centerline, up to 121' AGL/131' MSL.
- Rwy 11: Pole, tree, and multiple signs beginning 6' from DER, 158' right of centerline, up to 31' AGL/50' MSL.
Sign, tree, road, fence, building, and multiple poles beginning 82' from DER, 2' left of centerline, up to 49' AGL/68' MSL.
- Rwy 22L: Pole 8' from DER, 261' left of centerline, 7' AGL/16' MSL.
- Rwy 22R: Light and multiple trees beginning 1829' from DER, 307' right of centerline, up to 55' AGL/69' MSL.
Building 1.4 NM from DER, 1872' left of centerline, 200' AGL/227' MSL.
- Rwy 29: Multiple poles, trees, signs, and buildings beginning 209' from DER, 242' left of centerline, up to 110' AGL/120' MSL.
Tree, multiple signs and poles beginning 689' from DER, 66' right of centerline, up to 273' AGL/358' MSL.
Building 6029' from DER, 1624' right of centerline, 273' AGL/357' MSL.
Building 1.5 NM from DER, 2071' right of centerline, 202' AGL/328' MSL.

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PORT THREE DEPARTURE (RNAV)
(PORT3.PORTT) 25JUN15

NEWARK, NEW JERSEY
NEWARK LIBERTY INTL (E/W/R)

ATIS
115.7 134.825
CLINC DEL
118.85
CPDLC
GND CON
121.8
NEWARK TOWER
118.3 257.6
NEW YORK DEP CON
119.2 379.9

NOTE: Chart not to scale.

TOP ALTITUDE:
5000

GREKI △

GAYEL △

HAAYS △

NEION △

COATE △

BREZY △

CARMEL
CMK

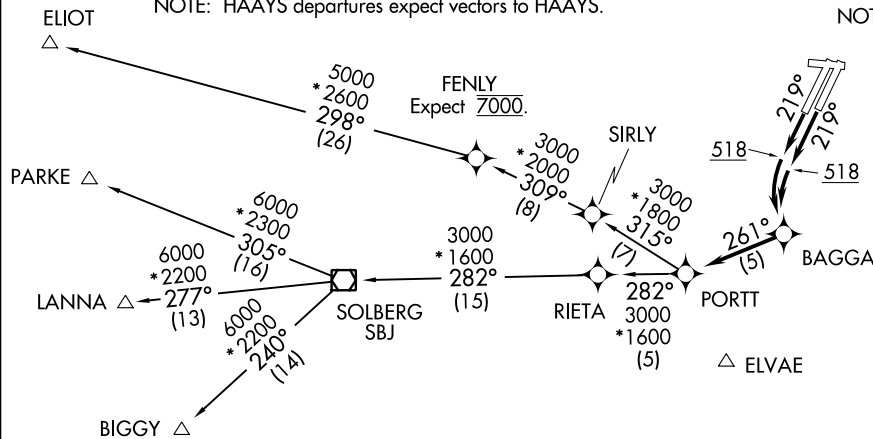
MERIT △

BAYYS △

BRIDGEPORT
BDR

NOTE: COATE departures expect vectors to BDR VOR/DME direct COATE.
NOTE: HAAYS departures expect vectors to HAAYS.

NOTE: BAYYS departures expect vectors to BDR VOR/DME direct BAYYS.
NOTE: GREKI departures expect vectors to CMK VOR/DME direct GREKI.
NOTE: MERIT departures expect vectors to LGA VOR/DME direct MERIT.



TAKEOFF MINIMUMS:

Rwys 4R, 4L, 11, 29: NA-ATC.

Rwy 22L: ATC climb of 500' per NM to 518.

Rwy 22R: 300-1¾ or standard with minimum climb of 203' per NM to 300, or alternatively, with standard take-off minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1200' prior to DER. ATC climb of 500' per NM to 518.

LA GUARDIA
LGA

KENNEDY
JFK

NOTE: DIXIE departures expect vectors to ELVAE direct COL VOR/DME direct DIXIE.

NOTE: WAVEY departures expect vectors to JFK VOR/DME direct WAVEY.

NOTE: WHITE departures expect vectors to ELVAE direct COL VOR/DME direct WHITE.

NOTE: DME/DME/IRU or GPS Required.

NOTE: Radar required.

NOTE: RNAV 1.

NOTE: Do not exceed 220 K until crossing BAGGA.

(NARRATIVE ON FOLLOWING PAGE)

(PORT3.PORTT) 16091
PORT THREE DEPARTURE (RNAV)

SI-285 (FAA)

NEWARK LIBERTY INTL (E/W/R)
NEWARK, NEW JERSEY



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 22L/22R: Climb heading 219° to 518, then left turn direct BAGGA, then via depicted route to PORTT, Thence

. . . . via assigned transition, or expect vectors to assigned departure fix, maintain 5000. Expect clearance to filed altitude/flight level within 10 minutes after departure.

- BIGGY TRANSITION (PORTT3.BIGGY):
- ELIOT TRANSITION (PORTT3.ELIOT):
- LANNA TRANSITION (PORTT3.LANNA):
- PARKE TRANSITION (PORTT3.PARKE):

TAKEOFF OBSTACLE NOTES:

- Rwy 22L: Pole 8' from DER, 261' left of centerline, 7' AGL/16' MSL.
- Rwy 22R: Light and multiple trees beginning 1829' from DER, 307' right of centerline, up to 55' AGL/69' MSL.
- Building 1.4 NM from DER, 1872' left of centerline, 200' AGL/227' MSL.

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