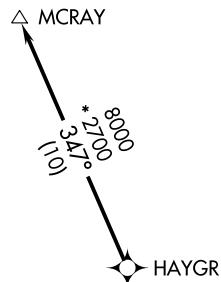


MCRAY TWO DEPARTURE (RNAV)

WASHINGTON DULLES INTL (IAD)
WASHINGTON, DC

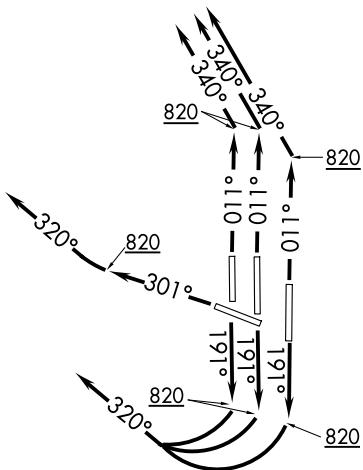
D-ATIS
134.85
CLNC DEL
135.7 317.8
CPDLIC
GND CON
121.9 317.8 (EAST)
121.625 348.6 (WEST)
DULLES TOWER
120.1 317.8 (Rwy 1R/19L)
120.25 348.6 (Rwy 1C/19C)
134.425 348.6 (Rwys 1L/19R, 12/30)
POTOMAC DEP CON
125.05 350.2

TOP ALTITUDE:
3000

NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: RADAR required.
NOTE: Turbojets only.

TAKEOFF MINIMUMS:

Rwys 1L/C/R, 19L/C/R, 30:
Standard with minimum climb
of 500' per NM to 820.



NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 1L/C/R: Climb heading 011° to 820, then on heading 340° or as assigned by ATC, expect RADAR vectors to HAYGR, thence

TAKEOFF RUNWAYS 19L/C/R: Climb heading 191° to 820, then right turn heading 320° or as assigned by ATC, expect RADAR vectors to HAYGR, thence

TAKEOFF RUNWAY 30: Climb heading 301° to 820, then on heading 320° or as assigned by ATC, expect RADAR vectors to HAYGR, thence

. . . . on track 347° to MCRAY, maintain 3000 or as directed by ATC. Expect clearance to filed altitude within ten (10) minutes after departure.