

**DEPARTURE ROUTE DESCRIPTION**

TAKEOFF RUNWAY 13: Climb on heading 132° or as assigned by ATC, thence....

TAKEOFF RUNWAY 31: Climb on heading 312° or as assigned by ATC, thence....

....for RADAR vectors to JWELS, then on track 218° to SNDRS, then on (transition). Maintain ATC assigned altitude, expect filed altitude 10 minutes after departure.

BGHRT TRANSITION (SNDRS3.BGHRT):

TORRR TRANSITION (SNDRS3.TORRR):

**DETAILED ROUTE INFORMATION:**

| TOP ALTITUDE:<br>ASSIGNED BY ATC | DETROIT DEP CON |
|----------------------------------|-----------------|
| 132.35 284.0                     | AWOS-3P         |
| 118.875                          | CINC DEL        |
| 121.725                          | CTAF            |
| 123.0                            |                 |

RNAV-1 DME/DME/IRU or GPS.  
RADAR required.

**TAKEOFF MINIMUMS:**  
Rwys 13, 31: Standard.

**ROUTE SEGMENTS:**

- BGHRT → KNRKO: 8000, \*2400, 269° (94)
- KNRKO → SEABS: 8000, \*2200, 264° (28)
- SEABS → REEDA: 8000, \*2400, 265° (30)
- REEDA → SNDRS: 8000, \*2400, 255° (24)
- SNDRS → JWELS: 8000, \*2180, 218° (31)
- SNDRS → TORRR: 8000, \*2400, 209° (33)

**NOTE:** Turbojet departures at/above 10000, maintain 280K until advised by ATC.

**NOTE:** TORRR Transition: For use by KIND and KCVG area arrivals only and flights filed at or below FL220, or as assigned by ATC.

**CHART NOT TO SCALE**