

Departure Route Description

Unless otherwise assigned by ATC:

- All **rwys**: Maintain **3000**. Aircraft assigned a turn at takeoff; commence turn at **1100**.
- Rwy **05**: Requires a minimum climb gradient of **360** ft/NM to **2700**. Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to SEDOG (or as assigned) then proceed via depicted route.
- Rwy **06L**: Requires a minimum climb gradient of **400** ft/NM to **2700**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to SEDOG (or as assigned) then proceed via depicted route.
- Rwy **06R**: Requires a minimum climb gradient of **390** ft/NM to **2700**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to SEDOG (or as assigned) then proceed via depicted route.
- Rwy **15L**: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** to **1000**. Continue climb hdg **147°** or as assigned. Expect radar vectors to ETLER (or as assigned) then proceed via depicted route.
- Rwy **15R**: Requires a minimum climb gradient of **380** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** to **1000**. Continue climb hdg **147°** or as assigned. Expect radar vectors to ETLER (or as assigned) then proceed via depicted route.
- Rwy **23**: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to MATES (or as assigned) then proceed via depicted route.
- Rwy **24L**: Requires a minimum climb gradient of **270** ft/NM to **1700**. Depart rwy 24L, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to MATES (or as assigned) then proceed via depicted route.
- Rwy **24R**: Requires a minimum climb gradient of **260** ft/NM to **1700**. Depart rwy 24R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to MATES (or as assigned) then proceed via depicted route.
- Rwy **33L**: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to SEDOG (or as assigned) then proceed via depicted route.
- Rwy **33R**: Depart rwy 33R, climb hdg **327°** to **2100**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to SEDOG (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

| GROUND SPEED | 90  | 120 | 140 | 160  | 180  | 200  | 250  | 300  |
|--------------|-----|-----|-----|------|------|------|------|------|
| 250 FT/NM    | 380 | 500 | 590 | 670  | 750  | 840  | 1050 | 1250 |
| 260 FT/NM    | 390 | 520 | 610 | 700  | 780  | 870  | 1090 | 1300 |
| 270 FT/NM    | 410 | 540 | 630 | 720  | 810  | 900  | 1130 | 1350 |
| 360 FT/NM    | 540 | 720 | 840 | 960  | 1080 | 1200 | 1500 | 1800 |
| 380 FT/NM    | 570 | 760 | 890 | 1020 | 1140 | 1270 | 1590 | 1900 |
| 390 FT/NM    | 590 | 780 | 910 | 1040 | 1170 | 1300 | 1630 | 1950 |
| 400 FT/NM    | 600 | 800 | 940 | 1070 | 1200 | 1340 | 1670 | 2000 |

TANGI TRANSITION: (LAKES4.TANGI)

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.