

Departure Route Description

Unless otherwise assigned by ATC

Note: Aircraft assigned a turn at take-off, commence turn at **1100**.

- Rwy 05:** Requires a minimum climb gradient of **360 ft/NM to 2700**. Depart rwy 05 hdg **057°**. Intercept and maintain YTP **R-055** outbound. At 5.7 DME fly hdg **047°** or assigned hdg for vectors to assigned route. Climb to and maintain: Jet acft: **5000**, Non-Jet acft: **3000**.
- Rwy 06L:** Requires a minimum climb gradient of **400 ft/NM to 2700**. Depart rwy 06L hdg **057°** or assigned hdg for vectors to assigned route. Climb to and maintain: Jet acft: **5000**, Non-Jet acft: **3000**.
- Rwy 06R:** Requires a minimum climb gradient of **390 ft/NM to 2700**. Depart rwy 06R hdg **057°** or assigned hdg for vectors to assigned route. Climb to and maintain: Jet acft: **5000**, Non-Jet acft: **3000**.
- Rwy 15L:** Requires a minimum climb gradient of **390 ft/NM to 3000**. Depart rwy 15L hdg **147°** cross YTP 7.9 DME Ch 112(Y) at or above **3000**. Maintain hdg for vectors to assigned route. Climb to and maintain: Jet acft: **5000**, Non-Jet acft: **3000**.
- Rwy 15R:** Requires a minimum climb gradient of **380 ft/NM to 3000**. Depart rwy 15R hdg **147°** cross YTP 7.9 DME Ch 112(Y) at or above **3000**. Maintain hdg for vectors to assigned route. Climb to and maintain: Jet acft: **5000**, Non-Jet acft: **3000**.
- Rwy 23:** Depart rwy 23 hdg **237°** until passing YTP. Then intercept and maintain YTP **R-240** outbound. At 3.9 DME fly hdg **245°** or assigned hdg for vectors to assigned route. Climb to and maintain: Jet acft: **5000**, Non-Jet acft: **3000**.
- Rwy 24L:** Requires a minimum climb gradient of **270 ft/NM to 1700**. Depart rwy 24L hdg **237°**. At YYZ 1.6 DME Ch 58(Y), turn **LEFT** hdg **235°** or assigned hdg for vectors to assigned route. Climb to and maintain: Jet acft: **5000**, Non-Jet acft: **3000**.
- Rwy 24R:** Requires a minimum climb gradient of **260 ft/NM to 1700**. Depart rwy 24R hdg **237°**. At YYZ 1.6 DME Ch 58(Y), turn **LEFT** hdg **235°** or assigned hdg for vectors to assigned route. Climb to and maintain: Jet acft: **5000**, Non-Jet acft: **3000**.
- Rwy 33L:** Requires a minimum climb gradient of **250 ft/NM to 900**. Depart rwy 33L hdg **327°** to **1100**. Climbing **RIGHT** turn hdg **345°** or assigned hdg for vectors to assigned route. Climb to and maintain: Jet acft: **5000**, Non-Jet acft: **3000**.
- Rwy 33R:** Depart rwy 33R hdg **327°** to **2100**. Climbing **RIGHT** turn hdg **340°** or assigned hdg for vectors to assigned route. Climb to and maintain: Jet acft: **5000**, Non-Jet acft: **3000**.

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

Communication Failure

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

1. Select transponder code 7600;
2. Beyond 10 DME (YYZ) proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight plan altitude.