



# ADVISORY

GREATER TORONTO AIRPORTS AUTHORITY

## Early Turn Trials

*Issued to the aviation community on February 26, 2008*

*Revised June 27, 2008*

The Greater Toronto Airports Authority (GTAA), in conjunction with the Air Transport Association of Canada (ATAC) and Nav Canada, are pursuing joint initiatives to reduce greenhouse gas (GHG) emissions.

Starting in 2000, the GTAA initiated an Early Turn Procedure (ETP). The ETP is a procedure whereby certain jet aircraft types may, while using certain runways, make an early turn shortly after takeoff. An early turn allows for aircraft to take a more direct route towards their destination and optimizes runway use. The ETP is now in use at Toronto Pearson. Since initiating this procedure, we have conducted trials to determine the impact on surrounding communities. These trials were discussed in detail with the GTAA's Community Environment Noise Advisory Committee (CENAC) earlier this winter.

Since its introduction, the ETP has proven successful in improving runway utilization, reducing emissions while airborne and by aircraft on the ground in the departure queue. There has been minimal noise impact on surrounding communities. In order to maximize the potential of the ETP and minimize GHG emissions, the GTAA will conduct a number of early turn trials at Toronto Pearson International Airport, commencing March 3, 2008.

As currently published in the Canada Air Pilot (CAP) under the Noise Abatement Procedures, the ETP is applicable to the east/west runways (05-23, 06L-24R and 06R-24L) and restricted to the hours of 0700–2300 hours, local time. The ETP applies to the following jet aircraft types: Bombardier CRJ1, CRJ2, CL60 and GLEX; Cessna C750; Embraer E135, E145 and E45X; Fairchild Dornier J328; and Gulfstream GLF4 and GLF5.

Early turn trials will include expansion of the ETP to the north/south runways (15L-33R and 15R-33L).\*

Concurrent with trials related to the ETP, an evaluation will be conducted regarding extended hours for prop turns. Currently, prop aircraft commence a turn assigned at takeoff from 0700–2300 hours, local time. On a trial basis, this procedure will be expanded to 0630–2330 hours, local time.

Air Traffic Control will assign early turns only if there is an operational advantage based on destination or aircraft line up in the departure queue. Noise complaints related to the trials are tracked and recorded. Portable noise monitoring is conducted in the areas impacted by trial procedures to quantify the noise impacts on surrounding communities.

For further information about the early turn trials, or to register an aircraft noise complaint, contact the GTAA at (416) 247-7682. Noise complaints can also be registered through the GTAA website at [www.GTAA.com](http://www.GTAA.com).

\* The following operation was **excluded** from the early turn trials as of June 27, 2008: Incorporation of additional aircraft types on the east/west runways (05-23, 06L-24R and 06R-24L) to include Bombardier CRJ700, CRJ705/900 and Embraer E170 and E175.