



Toronto Pearson

International Airport | Aéroport International



Night Flight Restriction Program Overview

June 21st, 2018

Night Flight Restriction Program (NFRP) Overview



- The Program limits the number of flights that may operate annually (Nov 1-Oct 31) between 0030-0630 (the “restricted hours”).
- There is no “curfew” during the restricted hours when operations cannot occur.
- The GTAA is required, on an annual basis, to ensure that the number of flights operating in the restricted hours does not exceed the limit (or budget) imposed by Transport Canada.

Night Flight Budget: How is it Calculated



- The Night Flight budget formula was designed and implemented by Transport Canada.
- The budget year runs from November 1st – October 31st .
- The budget is calculated annually at the end of the budget year, and is based on the percentage growth of passengers.
- If passenger numbers did not increase, the budget remains the same.

Night Flight Budget: How is it Calculated



Example: Calculating the 2017-2018 Night Flight Budget:

- The budget will be the previous year's budget (2016-2017), increased by the same percentage of passenger growth for that period.
- November 2016 - October 2017 budget = 18,204
- November 2016 - October 2017 passenger growth = 6.54%
- $18,204 \times 6.54\% = 1191$
- $18,204 + 1191 = 19,395$
- **19,395 is the budget for November 1 , 2017 – October 31, 2018**

Night Flight Budget: 2013 Amendment to the Budget



- **In June 2013, Transport Canada approved the GTAA's request to amend the annual night flight budget to include three budget "bump-ups" of 10%.**
 - If 95% or more of the previous year's night flight budget is used, the bump-up could be applied to the following noise year.
 - This bump-up would be in addition to growing the night flight budget by the % passenger growth for that period.
 - The GTAA is not obligated to request the bump-up.

Night Flight Budget Numbers 2010-2018



Year	Budget	Actual	% Budget Used	%N.F. Budget Growth
2009-2010	12948	11729	91%	0.00%
2010-2011	13303	13056	98%	2.74%
2011-2012	13838	12751	92%	3.83%
2012-2013	14394	13251	92%	4.02%
2013-2014	14893	14010	94%	3.47%
2014-2015	15871	14778	93%	6.57%
2015-2016	16923	14889	88%	6.63%
2016-2017	18204	16945	93%	7.57%
2017-2018	19395	n/a	n/a	6.54%

Night Flight Restriction Program (NFRP) Overview



- The GTAA publishes “Noise Operating Restrictions” that require all air operators to obtain a “**pre-approved exemption**” or a “**day-of extension**” to operate in the restricted hours.
- The Noise Operating Restrictions apply to all aircraft at Toronto Pearson, and are enforceable under The Canadian Aviation Regulations (CARs).

Night Flight Restriction Program (NFRP) Overview



- The GTAA reviews every flight that operates in the restricted hours for compliance to the Noise Operating Restrictions.
- To do this, the GTAA reviews the daily flight log of operations and reconciles it with the list of approved “day-of extensions” and “pre-approved exemptions”.

Excerpt from “Canada Air Pilot” (CAP)



Air operators are obligated to adhere to the Noise Operating Restrictions per CAR 602.105

NOISE OPERATING RESTRICTIONS

TORONTO/LESTER B. PEARSON INTL, ON
CYYZ

Noise Operating Restrictions and Noise Abatement Procedures

A. General

Pursuant to CAR 602.105 and CAR 602.106, Noise Operating Restrictions and Noise Abatement Procedures apply, at Toronto/Lester B. Pearson Intl Airport, to all IFR and VFR Aircraft, unless otherwise specified.

B. Noise Operating Restrictions

Restrictions:

4. All aircraft operating on a scheduled and repetitive basis are required to obtain an extension or an exemption to operate during the restricted hours. Submit requests for operating extensions on the day of operation to the GTAA with justification at 416-776-3480 or 1-800-267-SLOT (7568), (Fax 416-776-5552). For advance exemption requests or information, make submission in writing to the:

Manager
Slots & Capacity Allocation
Greater Toronto Airports Authority
Toronto Pearson International Airport
P.O. Box 6031, Toronto AMF, Ontario L5P 1B2
(Fax 416-776-3483)

5. **All other operators are required to obtain permission to operate during the restricted hours by contacting the GTAA on the day of operation at 416-776-3480 or 1-800-267-SLOT (7568), (Fax 416-776-5552).**

Noise Operating Restrictions pertaining to Night Flights

Night Flights by Operation Type 2015-2017



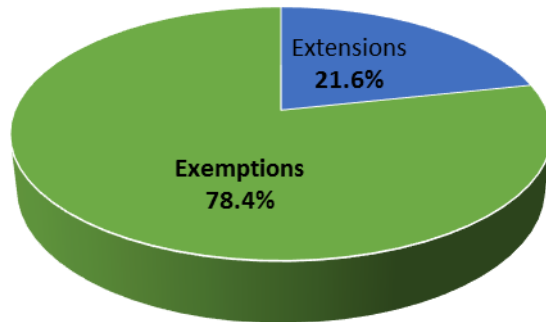
	CARGO OPERATIONS			OTHER (GA, Med)
Year	Extensions	Exemptions	% Total Ops	Total
2015	12	2222	15.0%	784
2016	11	2175	14.5%	893
2017	13	2164	12.7%	922

	COMMERCIAL OPERATIONS (Airlines)				ANNUAL TOTAL (Cargo + Comm + Other)
Year	Extensions	Exemptions	Total	% Total Ops	Grand Total
2015	2415	9432	11847	79.7%	14865
2016	2463	9567	12030	79.6%	15109
2017	2846	11254	14100	82.0%	17199

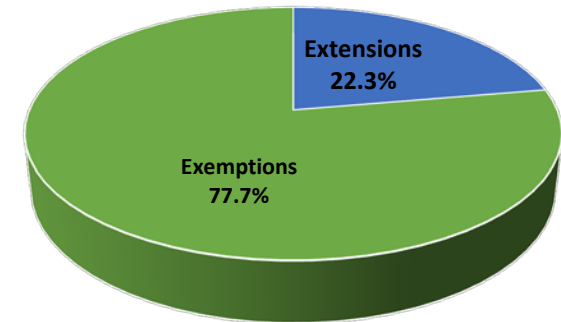
Night Flights Extensions vs Exemptions: 2015-2017



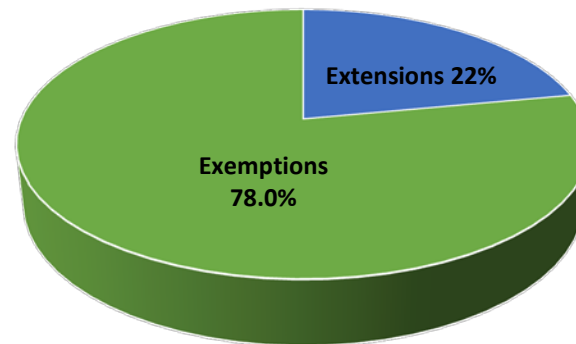
**2015 Night Flight Operations
Exemptions vs Extensions**



**2016 Night Flight Operations
Exemptions vs Extensions**



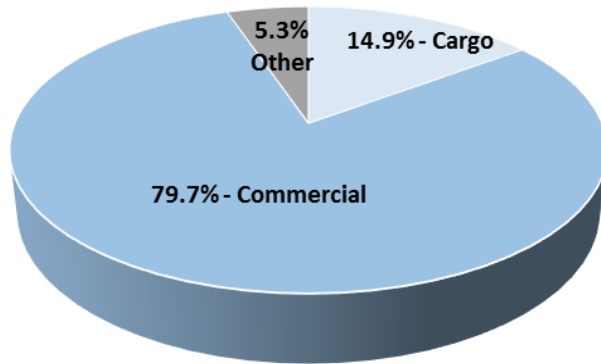
**2017 Night Flight Operations
Exemptions vs Extensions**



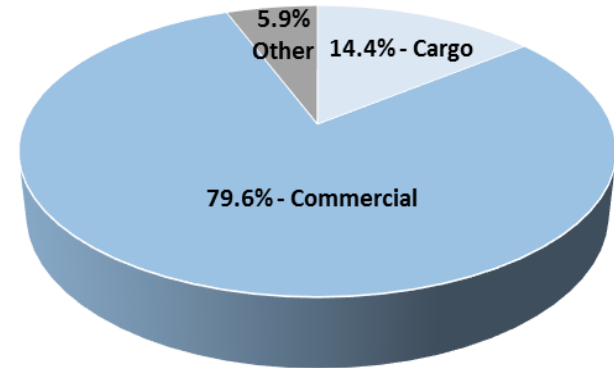
Night Flights By Type of Operation: 2015-2017



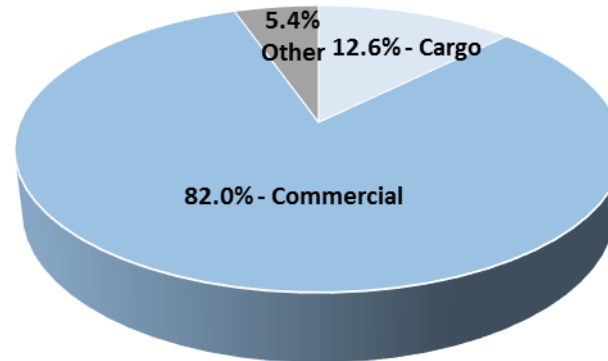
2015 Night Flight Operations By Operation Type



2016 Night Flight Operations By Operation Type



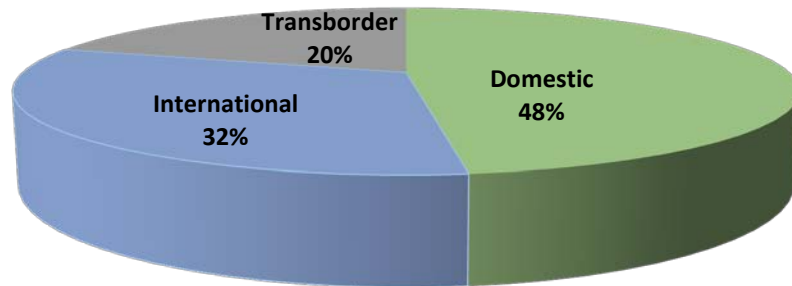
2017 Night Flight Operations By Operation Type



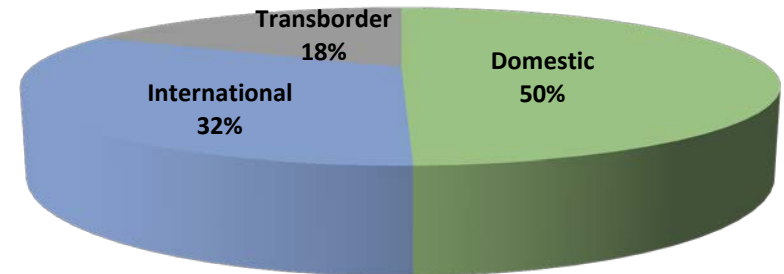
Night Flights Operations by Sector: 2015-2017



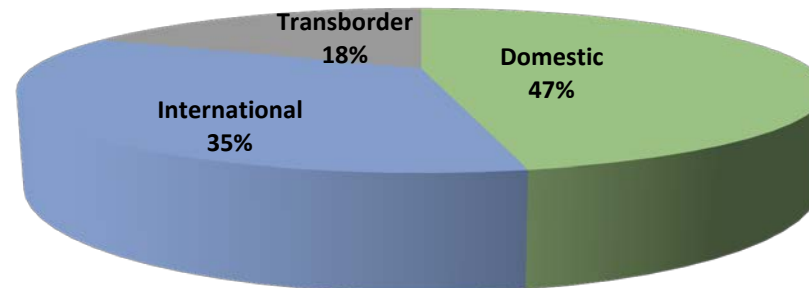
2015 Night Flight Operations by Sector



2016 Night Flight Operations by Sector



2017 Night Flight Operations by Sector



Night Flight Restriction Program (NFRP) Overview



- Any operation that occurred in the restricted hours and does not appear to have an extension or exemption is investigated.
- Operations that were investigated and found to be not compliant are sent to Transport Canada for potential enforcement action.
- The GTAA is obligated to review all operations for adherence to the night flight restriction program, and is required to report any CARs violations to Transport Canada under section 8.12.04 of the GTAA's ground lease.

Night Flight Restriction Program Audit



- Transport Canada audits the GTAA on an annual basis at the end of the noise year for the purpose of verifying the processes for tracking the operations that were compliant with the program, as well as verifying that all non-compliances were reported to the Transport Canada Enforcement Office.
- Should Transport Canada discover a discrepancy or problem within the program or reporting process, it would be identified as a finding in the final audit report, and the GTAA would be required to submit a formalized corrective action plan to Transport Canada for their approval.