GTAA Noise Management Program Review
The purpose of Toronto Pearson’s Noise Management Program is to mitigate the noise impacts of its operations on neighbouring communities, while operating the airport in a safe, secure, financially viable and efficient manner for the general benefit of the public.
Objective

1. Overview of current Noise Management Program
2. 5 Year Noise Management Action Plan – why have one, and what should it consistent of
4. CENAC’s role and next steps
Components - Noise Management Program

- Noise Operating Restrictions
- Investigation and Enforcement
- Consultation and Outreach
- Land Use Planning
Components - Noise Management Program

Noise Operating Restrictions
- Night Flight Restriction Program
- Engine Run-Up Restrictions
- Preferential Runway Assignment
- Noise Abatement Procedures
- Aircraft operating restrictions

Land Use Planning
- Noise Exposure Forecast
- Airport Operating Area

Consultation and Community/Stakeholder Outreach
- Noise Management Office
- CENAC
- Technical Noise Committee
- Community Outreach & Education
- Publications and TorontoPearson.com/community

Investigations and Enforcement
Developing a 5 year Action Plan
Why undertake a Noise Management Action Plan?

Toronto Pearson has a corporate mandate to serve the aviation needs of Southern Ontario and Canada. This inevitable growth, has consequences for our adjacent communities.

A 5-Year Noise Management Action Plan will:

- Set a roadmap for 2013-2017
- Review and validate current noise program components
- Make recommendations for improvements/updates to the current program
- Introduce new measures that will continue the GTAA’s commitment to a pro-active approach to managing noise impacts
- Increase transparency and accountability by setting clear objectives, tactics and evaluations of each initiative
- Guide the work of the Noise Office, Community Engagement, aviation partners and CENAC
Successful Noise Management Programs are considered those that include the following components:

1. **Land Use Planning** – maintain compatible land use (as locally defined)
2. **Ground Operations** – manage ground operations to minimize operational noise to the extent possible
3. **Flight Procedures** – optimize terminal area flight procedures to minimize impact
4. **Monitoring and Flight Tracking** – maintain up-to-date noise monitoring and flight tracking systems that provide an accurate history of noise events
5. **Community Outreach & Education** – continuously communicate information to all stakeholders that both responds to and manages public expectations
Recommended Initiatives

• We have drafted a framework of recommended initiatives
• Initiatives have been identified through:
  • Feedback from area residents
  • Issues arising at meetings of the CENAC and Technical Noise Committee
  • GTAA regular operations, priorities and procedures
  • Trends and issues identified by Noise Management team
  • Industry best practices
  • Transport Canada and obligations in Airport’s Ground Lease
Five Year Noise Management Action Plan
Recommended Initiatives
Introduction

• For each component of the Draft Noise Management Program Action Plan, we’ve:
  – Identified initiatives that would be undertaken for review
  – Suggested the approach we recommend for communication and CENAC/community/stakeholder engagement

• Key Questions for CENAC:
  1. As we review these initiatives, are there others that you believe should be added or removed from the Action Plan?
  2. Do you agree with the suggested communication and outreach recommendations?
Land Use Planning

Objectives:
  • Maintain compatible land use (as locally defined)

Initiatives for discussion/review/presentation:
  • Noise Exposure Forecast
  • Airport Operating Area

Approach:
  • CENAC/public workshops on these tools, their background, how they are used, reporting on them going forward
  • Consultation with external/industry stakeholders (e.g. municipalities, as necessary)
  • Web updates, feedback loops
Ground Operations

Objectives:
- Manage ground operations to minimize operational noise to the extent possible

Initiatives for discussion/review/presentation:
- Annual review run-up procedures
- Standardization of enforcement audits

Approach:
- Internal working groups to examine initiatives and identify opportunities to enhance process
- Consultation with external/industry stakeholders (e.g. NavCan, airlines, etc.)
- Ensure transparency in communications of current programs through CENAC/public workshops, web updates, feedback loops
Flight Procedures

Objectives:
- Optimize flight procedures to minimize impact

Initiatives for discussion/review/presentation:
- Preferential Runway System
- Noise Abatement Procedures
- Nighttime Standard Instrument Departures
- RNAV, Continuous Descent Arrivals
- Aircraft Technology and Fleet Mix
- Standardization of Enforcement and Auditing Procedures (eg benchmark and consultation criteria around trials for potential new procedures)

Approach
- Internal working groups to examine initiatives and identify opportunities to enhance current program
- Consultation with external/industry stakeholders (e.g. airlines, NavCan, etc.)
- Ensure transparency in communications of current programs through CENAC/public workshops, web updates, feedback loops
Monitoring and Flight Tracking

Objectives:
- Maintain up-to-date noise monitoring and flight tracking systems that provide an accurate history of noise events

Initiatives for discussion/review/presentation:
- System tool upgrades (e.g. noise monitors)
- Implementation of new in-house noise system – ANOMS
- Implementation of public Flight Tracking System - WebTraks
- Noise Inquiry procedure update
- 10 Nautical Miles Assessment
- Standardization of tracking and reporting
- Standardization of Enforcement and Auditing Procedures (e.g. assessment of nighttime violations)

Approach
- Engage with CENAC and community to build familiarization of the new system, set criteria for tracking and reports, set criteria for noise inquiry trend analysis
- Consultation with external/industry stakeholders (e.g. TC, airlines, NavCan, etc.)
- Ensure transparency in communications of current programs through CENAC/public workshops, web updates, feedback loops
Community Outreach & Education

Objectives:
• Continuously communicate information to all stakeholders that both responds to and manages public expectations

Initiatives for discussion/review/presentation:
• Clarify roles and responsibilities and objectives of GTAA, NAV Canada, TC, Noise Office, Community Programs, CENAC
• Develop Noise 101 Communications Toolkit
• Update and enhance Noise Program Web Portal
• Review strategy for community outreach and education

Approach
• Regular development of communications tools for CENAC review and input
• Roll out of community outreach and education strategy
The Role of CENAC & Community Outreach
Next Steps

- Use each component of the Noise Management Action Plan as a topic for future CENAC meeting
- In the meeting we will review in detail:
  - Objectives of each initiative
  - Roadmap/workplan for achieving the objective
  - Update on work progress to date
  - Discussion about the evaluation
  - Discussion about the broader community engagement strategy
We are looking for CENAC’s involvement in the following ways:

– **Validate** – Are there initiatives that you feel should be added or removed from the Action Plan?

– **Accountability** – We will be reporting on the progress of initiatives at CENAC meetings – are we meeting the objectives?

– **Involvement** – Many of the initiatives require consultation with others (communities, industry, government, etc.). We will be looking to CENAC for feedback, advice and engagement

– **Identify** – Help identify issues or themes that emerge that should be addressed as future initiatives
Thank you