

# Toronto Pearson SMS

safety



risk

# Aviation Safety

*Risks in the aviation environment are reduced and controlled to an acceptable level.*

## Why SMS?

- Systematic approach to managing safety, including the necessary organizational structures, accountabilities, policies, and procedures
- Data-driven



# SMS Team & Regulatory Framework

## Regulatory Framework



## GTAA SMS Team



# Aviation Safety Management Policy & Non-Punitive Reporting Policy

## Aviation Safety Management Policy Statement

Toronto Pearson 

At the Greater Toronto Airports Authority (GTAA), aviation safety is a collective responsibility and shall be afforded the highest priority in all airside activities.

In partnership with the GTAA Toronto Pearson Safety Program, the Safety Management System (SMS) Program provides a systematic and comprehensive process for managing airside safety risks.

Through the SMS Program, the GTAA shall:

- Educate employees on all aspects of safety within their specific roles and within the environment in which they perform their duties;
- Use, and continuously improve upon the SMS framework for identifying hazards, assessing risks and implementing control measures, as required;
- Engage employees to support a proactive approach to safety management that includes identifying and reporting known and/ or perceived hazards and incidents;
- Develop goals to address and minimize risks to aviation safety to as low as reasonably practicable;
- Partner with external airport stakeholders to understand, share and resolve safety concerns;
- Conduct audits to ensure regulatory compliance, conformance to process and procedures, and determine the effectiveness of airside activities; and
- Develop and improve upon processes and procedures to strive for the outcome of increased safety.

This policy is specific to all airport activities airside and to the activities of all employees, including designated contractors and suppliers of the GTAA.



**Khalil Lamrabet**  
SMS Accountable Executive  
Chief Operating Officer

## Toronto Pearson REPORTING POLICY

At Toronto Pearson, safety and security are our top priorities. These are supported by our vision of zero injuries. All individuals employed at the Airport are collectively responsible for safety.

The Toronto Pearson Reporting Policy is in place to encourage those who have concerns about safety to report them without fear of reprisal.

Toronto Pearson employees will not be subject to disciplinary action by the GTAA when reporting safety concerns and incidents or identifying issues of non-compliance with applicable safety and security legislation, regulations, standards, or laws.

The GTAA will not tolerate retaliation against anyone who makes a good faith report or who participates in an investigation.

Exclusions from this policy:

- The incident is the result of willful or wanton disregard for established processes, procedures, or training.
- Criminal activity or criminal intent has been involved in the making or reporting of an issue.
- The reporting is malicious, vexatious, frivolous, or abusive.
- False, misleading, or intentionally inaccurate information is provided.

This policy applies to all employees at Toronto Pearson and is intended to complement or augment other corporate and organizational reporting policies.

  
Deborah Flint (Sep 24, 2024 08:31 EDT)

Deborah Flint  
President and CEO

  
Kath Hammond (Aug 14, 2024 11:30 EDT)

Kath Hammond  
VP, Governance, Corporate  
Safety and Security

  
Khalil Lamrabet (Aug 14, 2024 14:04 EDT)

Khalil Lamrabet  
Interim Chief Operating  
Officer and Chief Commercial  
Officer

  
J'Maine Chubb

Chief Financial Officer

  
Mark Carbonelli (Sep 16, 2024 10:42 EDT)

Mark Carbonelli  
Chief Human Resources  
Officer

  
Brian Tossan (Sep 16, 2024 21:44 EDT)

Brian Tossan  
Chief Technology Officer

  
Karen Mazurkewich

VP, Stakeholder Relations and  
Communications

  
Bernardo Gogna

Chief Infrastructure Officer

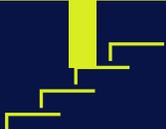
# How We Handle Your Safety Concerns: Our SMS Process

Whether you report something that might become an issue or something that already happened, every report makes a difference. Here's what happens when you report:



### You Report a Concern

You report a safety concern through the Airport Operations Centre, email, or online form. This can be about something you saw, heard, or just think could be unsafe.



### We Review and Decide Next Steps

We assess your report. Some concerns may need further investigation, and others may be resolved quickly by subject matter experts.



### An Investigation Begins

If needed, we start an investigation. This helps us understand if the issue is part of a bigger or repeating problem (a systemic issue), or a one-time event.



### We Collect Evidence

We gather more information by:

- Interviewing people involved
- Reviewing Reports & SOPs
- Looking at past incidents

The goal is to find patterns or root cause.



### We Work with Hazard Owners

We meet with the people responsible for the area of concern to share what we've gathered and explore practical solutions together.



### We Recommend and Implement Solutions

We agree on actions that can fix or reduce the risk. These might include changing a process, updating a procedure, or providing more training. Those recommendations are put in place.



### We Measure Effectiveness

After some time, we assess whether the solutions were effective. Has the risk decreased? We review the data and make adjustments if needed.



### You Made a Difference

Because of your report, we were able to reduce risk, prevent incidents, and improve safety for everyone.

# 2025 Hazard Register Goals and Objectives



## Airside Works

Hazard related to working sites going on in airside. Construction or Maintenance related.



## Runway Incursions

Any Aircraft, Vehicle or Pedestrian runway incursion.



## Aerodrome Ground/ Apron Lights

Hazard related to any occurrence related to AGLs and Hazards related to the lighting system in the apron (not related to AGL)



## Aircraft Ground Movements

Generic hazard related to any occurrence related to aircraft moving within the aerodrome (ex. near misses, pilots entering wrong stand, jet blasts, etc.).



## Vehicle Ground Movements

Generic hazard related to any occurrence related to vehicles moving within the apron, as well as within the maneuvering area (ex. near misses with an aircraft or another vehicle, collisions, etc.).



## FOD Presence

Hazard related to the FOD presence within the aerodrome.

Vehicle ground movem...

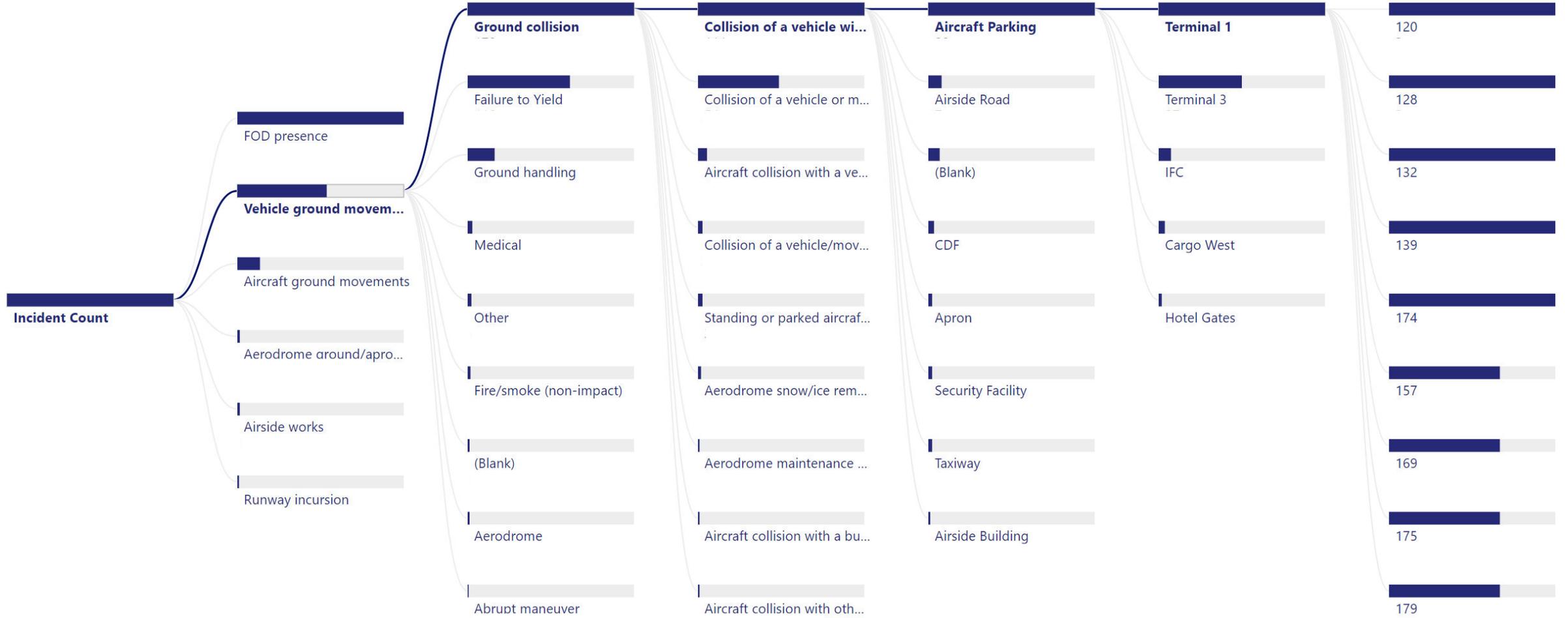
Ground collision

Collision of a vehicle wit...

Aircraft Parking

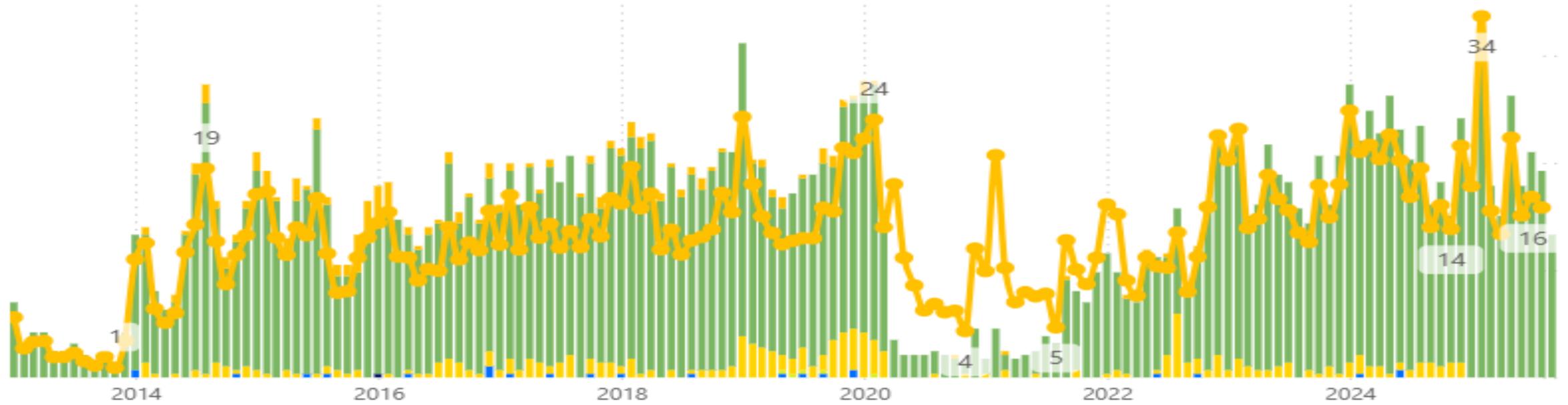
Terminal 1

Location

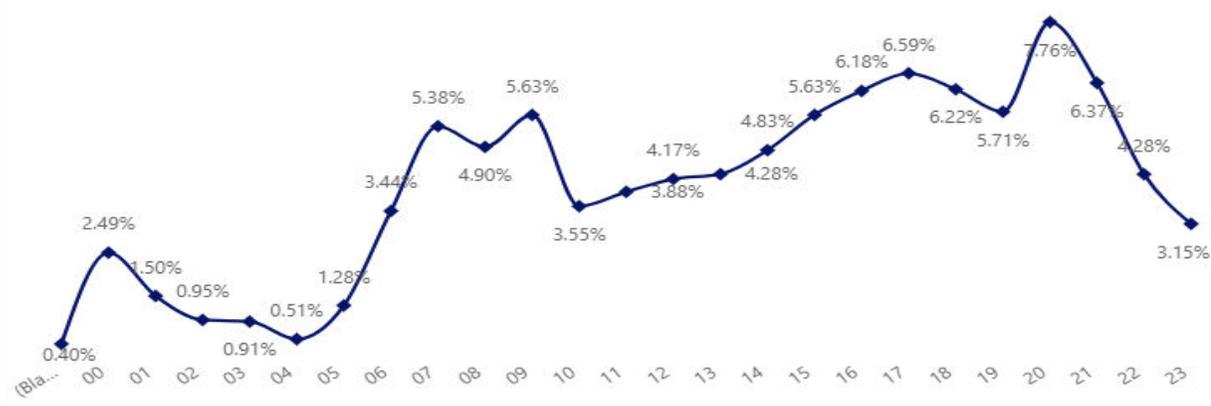


# Vehicle Ground Movement Occurrences

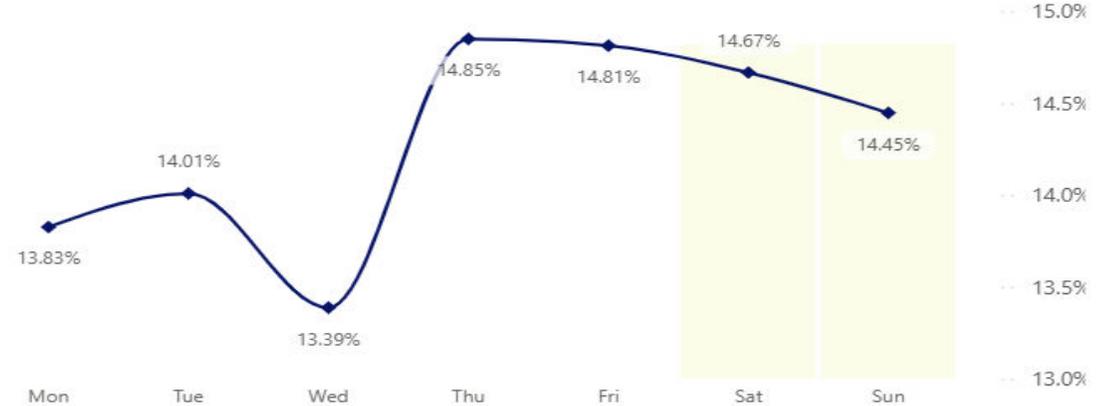
● (Blank) ● Serious incident ● Major incident ● Significant incident ● Incident ● Unknown ● Occurrence rate



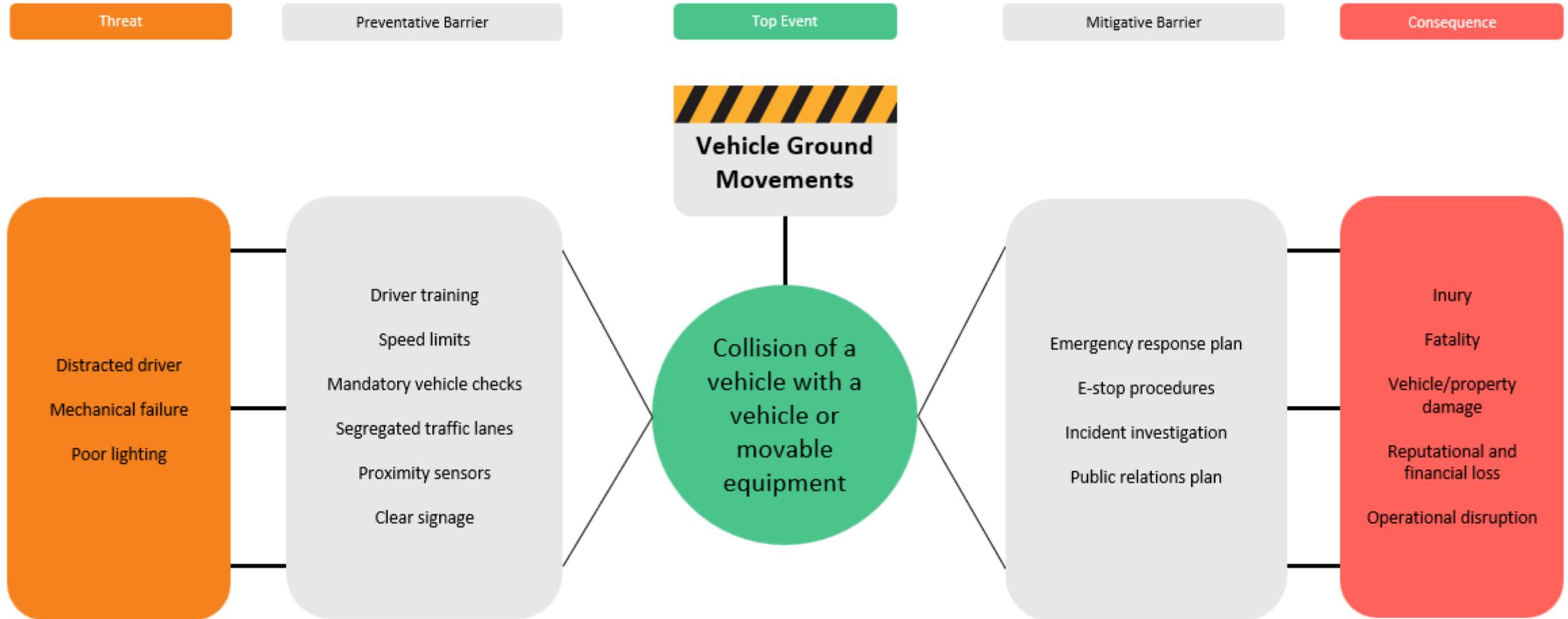
% Occurrence Count of Grand Total by Hour of Day



% Occurrence Count of Grand Total by Day of Week



# Risk Management Tool: Bowtie Analysis (example)



# Safety Promotion

SMS Foundational Pillar IV

Focuses on building **safety culture, awareness and competence** across all levels of an organization

- **Training programs**
- **Safety communications**
- **Engagement activities**
- **Reinforcement of non-punitive reporting policies**

**Safety** is not just a set of policies, but a **shared mindset and daily practice embraced by everyone**

## Programs and resources



### Reporting

It is critical that incidents are reported in real time. Learn how and when to report emergencies, hazards, proactive safety concerns, near misses and injuries.



### Eye on Safety Recognition Program

A turnkey incentive program for the entire airport community! Learn about the program guidelines and how to nominate an individual or organization for their contributions to health, safety and security.



### Toronto Pearson Safety Program

Find resources and ways to get involved with Safety and Security programming at Pearson



### Safety Stop

Your one stop shop for tools, including posters, shift briefs, and other important information for working safely and securely in all seasons.



### Policies

Find out about our policies on reporting, FOD, safety and security.



### Eye on Safety Newsletter

Register for the EOS newsletter to stay up to date on information, events, engagement opportunities and safety and security programming.



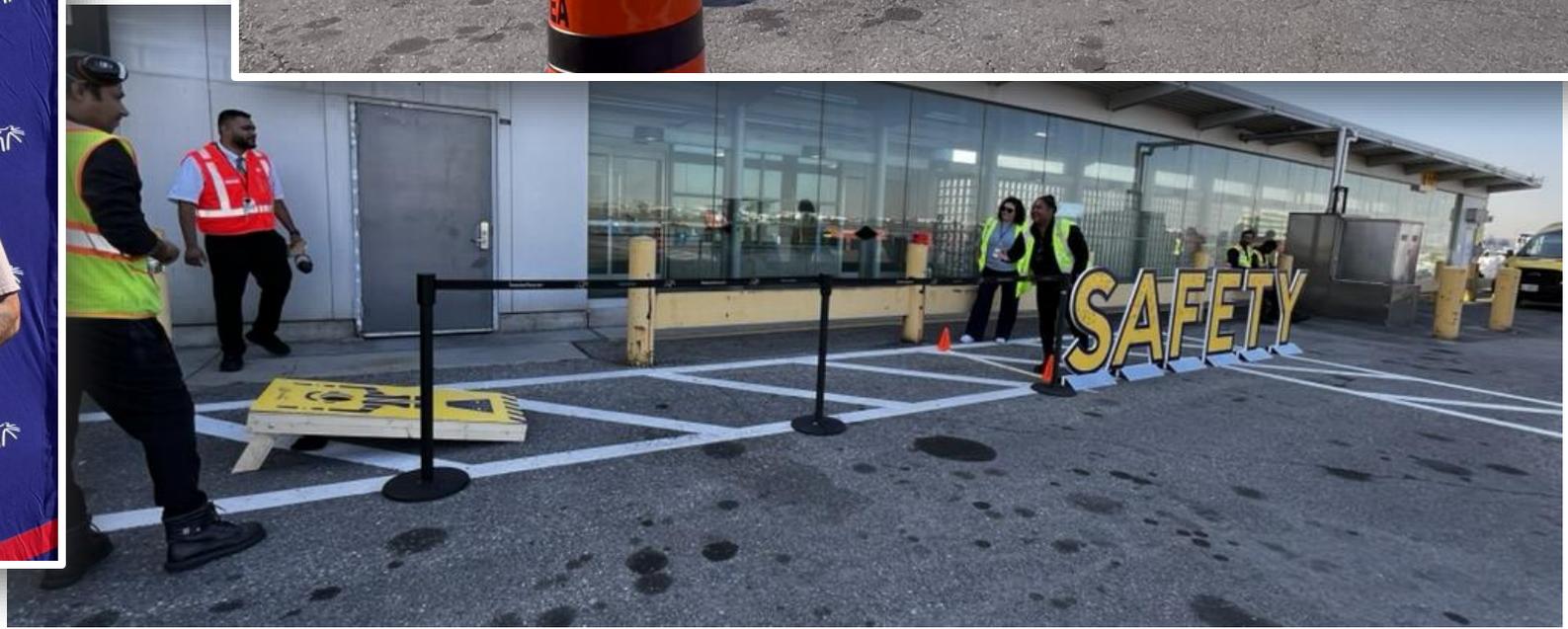
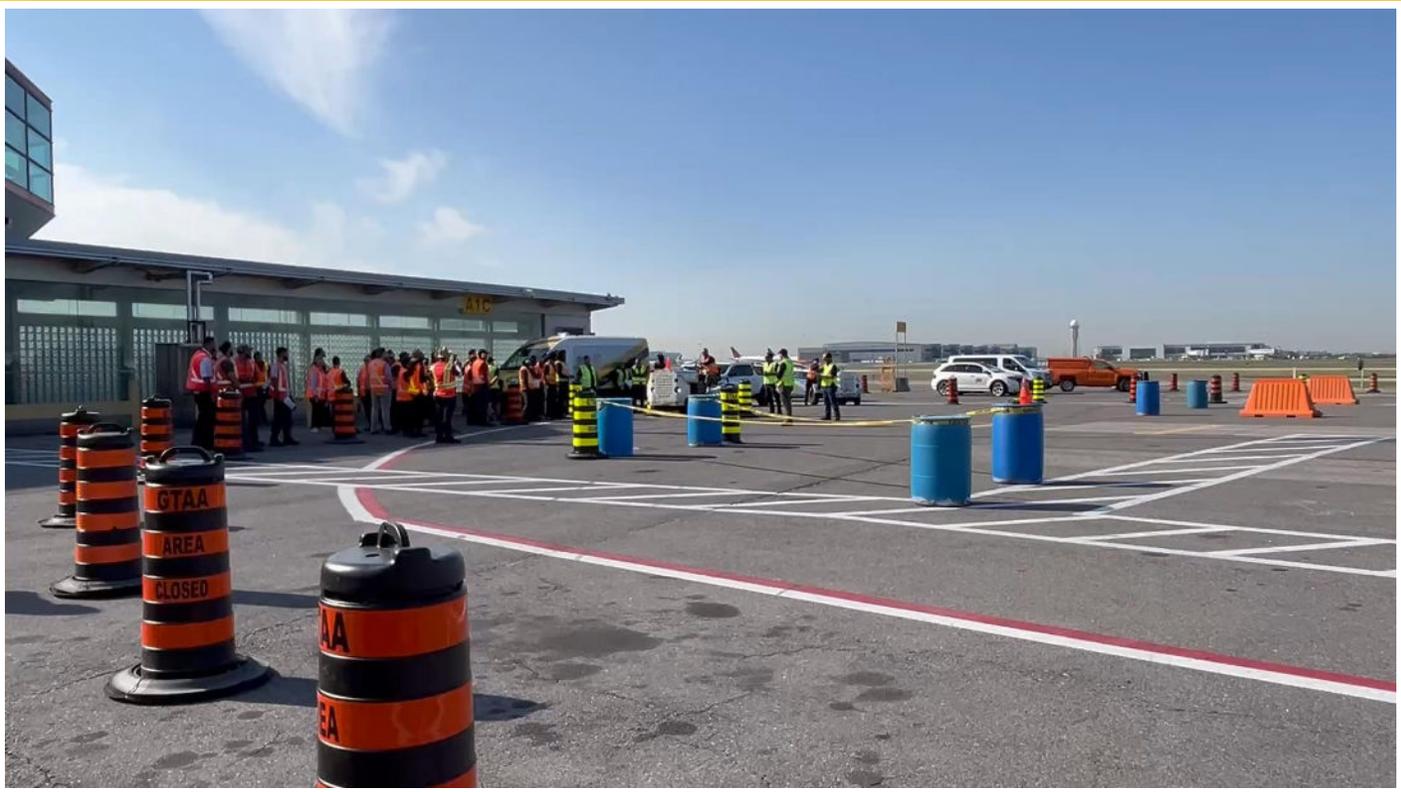
# CANADIAN AIRPORTS SAFETY WEEK



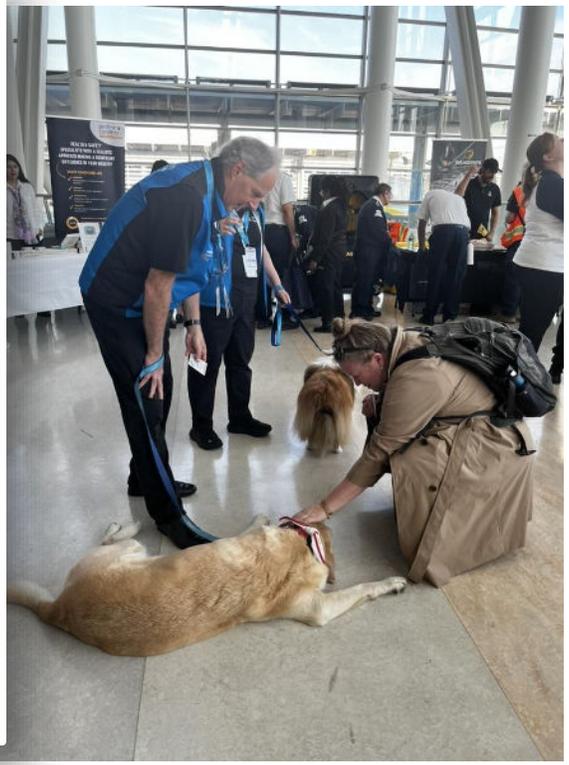
# Safety Summit



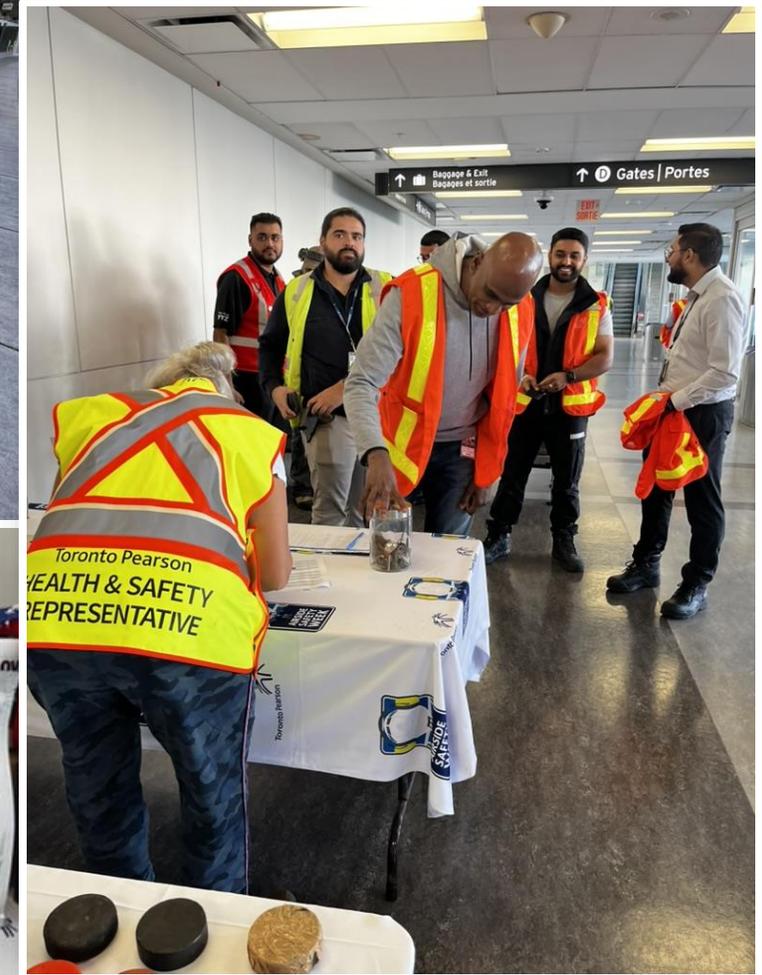
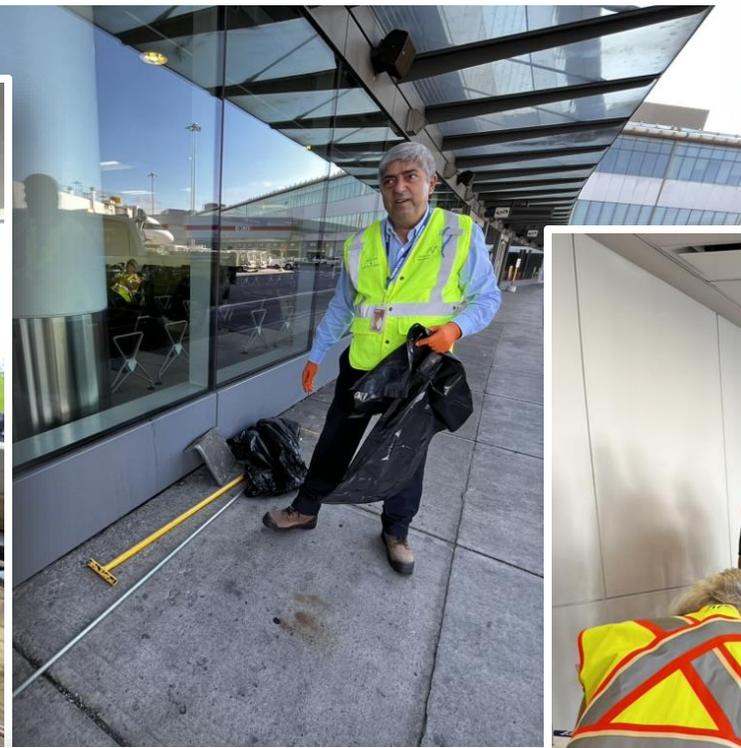
# Road-eo



# Safety Fair



# FOD-Walk Friday



## Next Steps for SMS at Toronto Pearson

- Continue with new methodologies and adjust where required
- ACI SMS Gap Analysis & Maturity Checklist
- Continued and enhanced collaboration with safety partners
- Reactive -> Proactive -> Predictive
- Improvements on safety campaigns
- Alignment with other safety/security management systems



SMS program today is not (and should not) be the same as it was when first started

SCARIEST  
PLACE TO BE  
IS THE SAME  
PLACE AS  
LAST YEAR.

GROW.