



Key Milestones Under Tom Ayres' Leadership

A career shaping the evolution of public safety regulation in Ontario

-  **1988** | Starts career as a prosecutor at the Ministry of the Attorney General and is assigned to the Technical Standards Division of the Ministry of Consumer and Commercial Relations (now the Ministry of Public and Business Service Delivery and Procurement)
-  **1996–1997** | Plays a key role in the creation of the Technical Standards and Safety Authority (TSSA) as a delegated administrative authority
-  **2000–2001** | Leads the development of the Technical Standards and Safety Act and its 17 associated regulations, establishing the legal and regulatory foundation for TSSA
-  **2004** | Spearheads introduction of a risk-based approach to regulation at TSSA, driven by growing awareness of regulatory negligence and the need for more defensible decision-making
-  **2005** | Establishes and oversees TSSA's Public Safety Risk Management division, embedding data analytics and risk evaluation into regulatory processes



2008–2015

Building the
Risk-Based
Regulatory
Model

2008–2015: Building the Risk-Based Regulatory Model

- **Promotes** incident and 'near-miss' reporting from TSSA-regulated entities to accumulate data and give TSSA an accurate indication of the areas of greatest risk to the public that require the most focus
- **Introduces** use of cross-jurisdictional sectoral data to inform regulatory decisions where internal data was limited
- **Integrates** advanced safety metrics to better quantify and compare public safety impacts
- **Standardizes** non-compliance orders and introduces risk-rating of inspection findings to improve consistency and prioritization of high-risk issues
- **Begins** implementation of risk-based inspection scheduling, prioritizing oversight based on level of risk rather than uniform inspection cycles

-  **2013** | Secures U.S. patent for risk-informed inspection and assessment system, providing external validation for a risk-based approach
-  **2014** | Secures Canadian patent for risk-informed reliability and inspection system, further making the case for the use of a risk-based approach
-  **2018** | Reinforces renewed organizational commitment to risk-informed regulation – and, more specifically, Outcome-Based Regulation – under new organizational leadership, accelerating adoption across TSSA
-  **2019** | Contributes to development of CAN/UL 2984: National Standard of Canada – Standard for Management of Public Risks, to help other agencies implement risk-based decision making and improve the effectiveness of their operations and oversight
-  **2020** | Launches annual public awareness and education campaign focused on protecting the public from safety risks posed by unqualified fuels workers
-  **2026** | Retires after almost 30 years at TSSA and nearly 40 years in public safety regulation