

Briefing on a Proposal to Establish the Police Cybercrime Training Centre at Brampton

**Committee of Council
City of Brampton**

January 20, 2021

Executive Summary

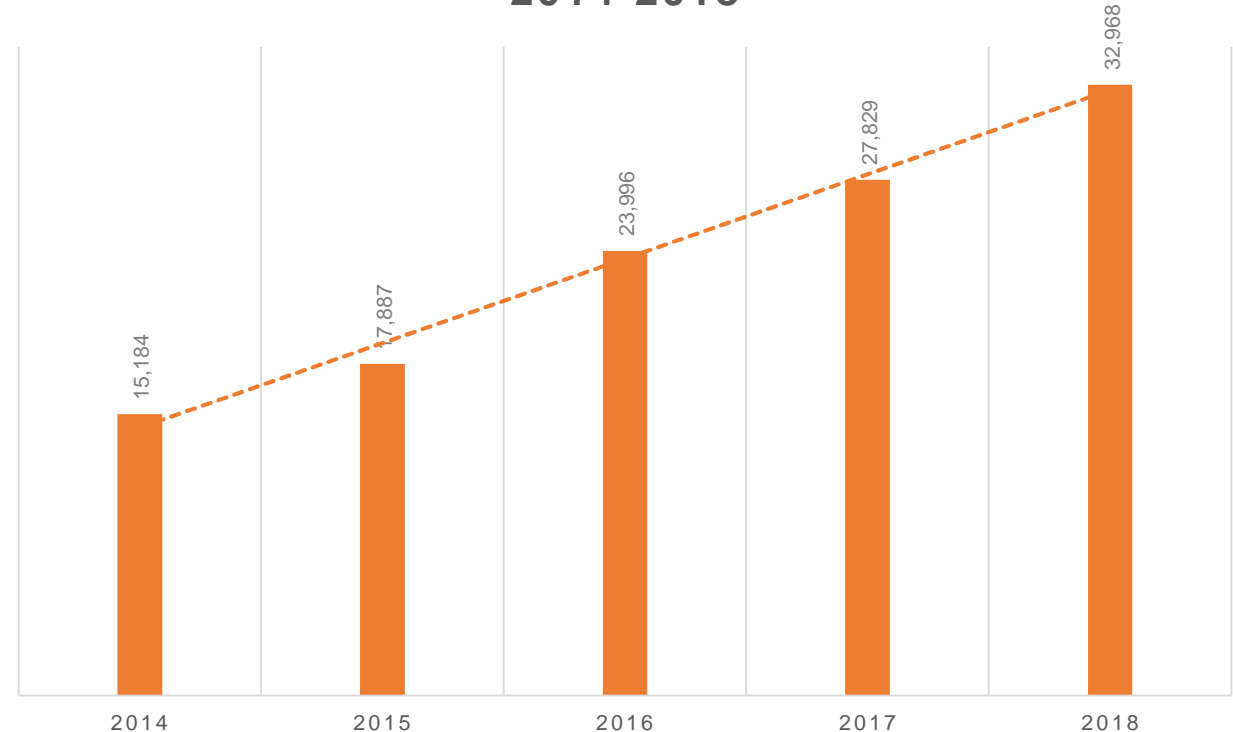
Rogers Cybersecure Catalyst at Ryerson University (“the Catalyst”), in partnership with the Canadian Police College (“CPC”), the Canadian Police Knowledge Network (“CPKN”), and several federal, regional and municipal law enforcement agencies (LEAs), **proposes to establish a major centre for the training of LEA members in cybercrime investigation techniques and other critical skills necessary to fight cybercrime, to be known as “The Police Cybercrime Training Centre” or “PCTC”**. The PCTC will be based near the Catalyst’s facilities in Brampton, Ontario. The PCTC will:

1. Deliver the CPC’s existing cybercrime curriculum at Brampton (the CPC would continue to deliver its cybercrime courses at Ottawa). **This will significantly increase the number of graduates from these courses, and make the courses more accessible to LEA members based in the GTHA and Southern Ontario.**
2. **Create new and advanced training courses for LEA cybercrime specialists, developed in collaboration with CPC, CPKN, Ryerson and other academic institutions and private sector cyber experts, and leveraging a state-of-the-art cyber range facility.**
3. Regularly convene the **LEAs, government officials, and private sector cyber leaders to share best practices, discuss new threats, and develop effective strategies.**

The Cybercrime Challenge

- Cybercrime is a **rapidly growing threat to individuals, corporations and public sector institutions across Canada.**
- All reported cybercrimes grew by **more than 100% between 2014 and 2018.**
- The largest categories of cybercrime include **fraud, making or distribution of child pornography, harassment, and making threats.**

TOTAL CANADIAN CYBERCRIME,
2014-2018



Police reported cybercrime, Canada, Statistics Canada, table 35-10-0001-01

Current CPC Training

- Training for Canadian police forces in cybercrime is conducted by **the Canadian Police College in Ottawa (“the CPC”)**. The CPC has an international reputation for excellence in police training.
- The CPC delivers cyber training to police forces through its **“Technological Crime”** curriculum, which includes courses on **Digital Forensics, Cybercrime Investigations, and Child Exploitation Investigations**.
- In the Cybercrime Investigations stream, there are currently spaces for **360 learners annually**. All learners attend at the CPC in Ottawa for at least part of the course.



Proposal Part 1: Expand Access to CPC Cyber Courses

- The Police Cybercrime Training Centre (PCTC) proposes to support the CPC's mandate by facilitating the additional delivery of cybersecurity investigations training from the PCTC in Brampton, Ontario. The programming would be delivered by CPC instructors who would attend at Brampton.

- The **benefits:**



Expanded access to cybersecurity investigations training for LEA personnel.



A central location in the GTHA with 167 municipalities, 19 police forces, and +14,400 officers within commuting distance.

Proposal Part 2: Develop Advanced Training Courses, in Collaboration with Private Sector and Academic Experts, Leveraging a Cyber Range

- Cybercrime threats are **constantly evolving** and **new training tools are needed to help Canadian LEAs meet advanced cybercrime attacks.**
- Working in collaboration with the CPC and CPKN, Ryerson faculty, other academic leaders, and private sector experts, **the PCTC will create advanced courses to train LEA cybercrime experts.**
- These advanced courses will be created and in some cases delivered **using a cyber-range facility, where faculty and students can work on simulated cybercriminal attacks.**



Proposal Part 3: Drive Collaboration Among Police Services

- PCTC will regularly **convene representatives of LEAs from across Canada to learn, teach and share best practices related to cybercrime.**



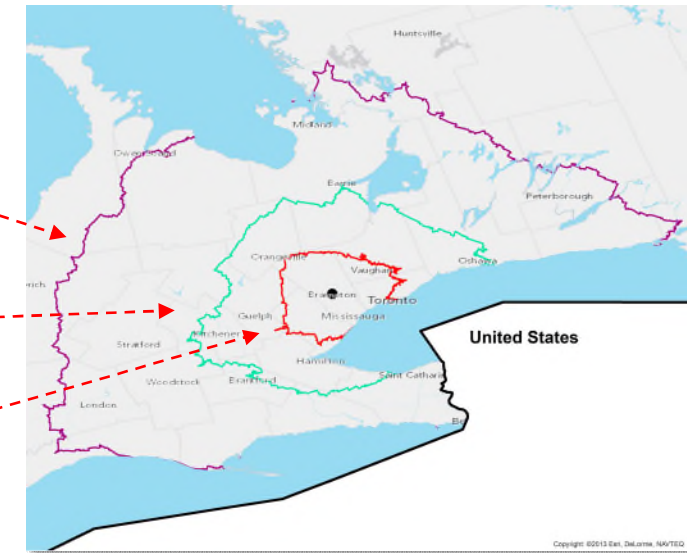
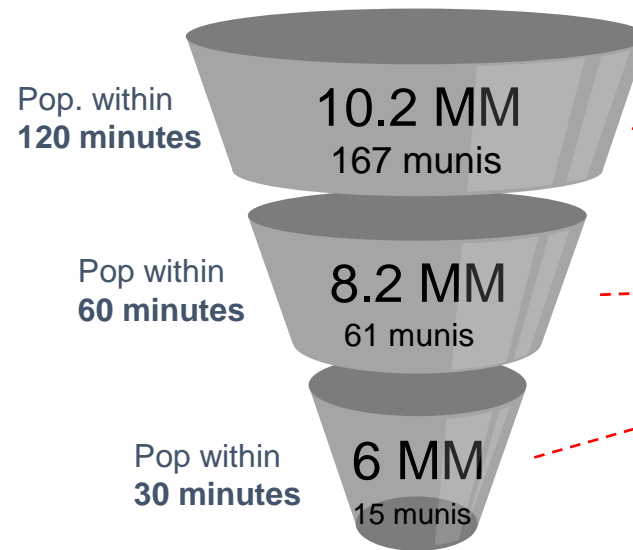
- PCTC will **bring together industry leaders from across sectors, academic institutions and other public sector agencies** to collaborate with LEA personnel.
- PCTC will host sessions delivered by subject matter experts from **Ryerson, SANS, Rogers, and many other academic and private sector institutions**



Other Key Benefits: GTHA Location Drives Efficiencies

There are +14,400 law enforcement officers within a 2 hour drive of Brampton (see Appendix A). Many learners will be able to drive to the training centre and return home after a day of classes, **saving significant resources on accommodation and transportation.**

International learners will take **direct flights from most cities and a short drive from Pearson Airport.**



Funding Request to the Federal Government

The Catalyst seeks funding support of CAD\$9.4m over three years to establish and operate the PCTC. This includes **CAD\$2.95m in capital expenses** (facility fit-up, equipment and cyber-range), and **CAD\$6.45m in operating expenses**.

	2020/21	2021/22	2022/23	Total
Facility Fit-Up	\$750,000			\$750,000
Equipment	\$400,000			\$400,000
Cyber-Range	\$1,800,000			\$1,800,000
Operating	\$2,150,000	\$2,150,000	\$2,150,000	\$6,450,000
Annual Totals	\$5,100,000	\$2,150,000	\$2,150,000	\$9,400,000

“Appendix A”

There are 19 police forces and 14,400+ police officers within a 120 minute commute of the proposed PCTC at the Rogers Cybersecure Catalyst in Brampton, Ontario.

Police Forces	Police Officers		
	Male	Female	Total
Barrie	191	41	232
Durham Regional Police	755	168	923
Guelph	160	34	194
Halton Regional Police	508	135	643
Hamilton Regional Police	652	168	820
London	476	113	589
Niagara Regional Police	597	105	702
Peel Regional Police	1,593	318	1,911
Toronto	4,528	1,040	5,568
Waterloo Regional Police	612	159	771
York Regional Police	1,198	256	1,454
Brantford	143	22	165
Peterborough Lakefield Community	102	26	128
South Simcoe Police	69	12	81
Kawartha Lakes Police	31	12	43
Orangeville	38	4	42
St. Thomas	56	12	68
Stratford	49	6	55
Woodstock Police Service 10	54	11	65



Legend

- 30 minutes
- 60 minutes
- 120 minutes