



The Regional Municipality of York Police Services Board

Public Board Meeting
February 21, 2024
For Decision

Report of the Chief of Police

Direct Purchase of Explosive Disposal Robotic

1. Recommendations

1. That the Board approve the direct purchase of an explosive disposal robotic from ICOR Technology Inc. at a cost not to exceed \$423,705 excluding HST; and
2. That the Chief of Police is authorized to execute the contract subject to the terms of the contract being on legal terms satisfactory to the Regional Municipality of York's Regional Solicitor, or designate.

2. Purpose

This report seeks the Board's approval and authorization to make the direct purchase with ICOR Technology Inc. for the purchase of a Caliber MK4 explosive disposal robotic.

Key Points:

- York Regional Police (YRP) requires high functioning explosive disposal robotics to maintain service delivery.
- The existing large explosive disposal robotic is beyond its operational life expectancy.
- The Emergency Response Unit (ERU) currently utilizes two other robotics from ICOR Technology Inc. for explosive disposal purposes and tactical operations. With the purchase of this robot, all ERU robotics will be ICOR technology.
- Compatibility with existing facilities, equipment or devices is the paramount consideration for the direct purchase recommendations, subject to the Board's approval exceeding \$150,000 in accordance with sections 10.1(a) and 10.2 of the Purchasing By-Law #10-17.

3. Background

REPLACING EXISTING LARGE EXPLOSIVE DISPOSAL ROBOTIC

The ERU currently utilizes a Telerob tEODor as its large explosive disposal robotic; however, it is now 14 years old, outdated, extremely expensive to repair, and past its operational life expectancy. The purchase of the Caliber MK4 explosive disposal robotic will replace the existing Telerob tEODor.

Large explosive disposal robotics provide explosive disposal technicians enhanced capabilities, in terms of the ability to reach heights and distance due to having a longer robotic arm, the ability to deliver large counter charge payloads for large Improvised Explosive Device disruptions, and the ability to pull and lift significant weight (injured officer, push a vehicle, large item) due to the robot's overall size and weight.

4. Analysis

DIRECT PURCHASE JUSTIFICATION

The direct purchase of the Caliber MK4 explosive disposal robotic from ICOR Technology Inc. would afford compatibility with existing robotic equipment, such as, Caliber MK3 and Mini Caliber, from ICOR Technology Inc. utilized by the Emergency Response Unit for explosive disposal purposes and tactical operations.

The Caliber MK4 from ICOR Technology Inc. would allow for interoperability, in terms of claws and tools, between the existing Caliber MK3 and Mini Caliber from ICOR Technology. The Caliber MK4 is manufactured with a set of disruptors and render safe tools that are compatible to those of the ICOR Caliber MK3 and Mini Caliber robotics. In addition, the Caliber MK4 utilizes a digital coded orthogonal frequency-division multiplexing (COFDM) transmission system that our explosive technicians are already familiar with as both Caliber MK3 and Mini Caliber robotics utilize the same system.

Each robotic company utilizes vastly different controls to operate their respective robotics, making it difficult for the explosive technicians to familiarize themselves with and become proficient with operating. By purchasing another ICOR technology robotic, explosive technicians will be familiar with the controls, functions, and capabilities which will allow them to maintain a high degree of operational proficiency among all robotics currently utilized within the Emergency Response Unit.

ICOR Technology Inc. robotics are also the sole platform utilized by the Canadian Police College and Royal Canadian Mounted Police, where all Canadian explosive technicians, including YRP ERU explosive technicians, must attend for basic training and recertification every five years.

In addition, YRP ERU currently has an explosive technician who has received training through ICOR Technology Inc. to perform maintenance and repairs on their robotics which

provides YRP the ability to conduct service on the Caliber MK4 ICOR Technology robotic without having to immediately return it to the manufacturer.

Reporting Requirements

Purchasing By-Law #10-17 section 10.1(a) and 10.2 permits direct purchases where compatibility of a purchase with existing equipment is a paramount consideration, subject to the Board's approval if greater than \$150,000.

5. Financial Considerations

Funding in the amount of \$425,000 is included in the approved 2024 Capital Budget for the purchase of a large explosive disposal robotic.

6. Local Impact

There is no impact on the local municipalities for adopting the recommendations.

7. Conclusion

It is recommended that the Board approve the direct purchase to ICOR Technology Inc. for the Caliber MK4 explosive disposal robotic in accordance with sections 10.1 (a) and 10.2 of Purchasing Bylaw #10-17.

Alternative formats or communication supports are available upon request.

Approved for Submission: Jim MacSween, M.O.M., B.A.A.
Chief of Police