

THE REGIONAL MUNICIPALITY OF YORK  
POLICE SERVICES BOARD

REPORT OF THE CHIEF OF POLICE

26 MARCH 2008

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**Sole Source Purchase of Goods**

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**RECOMMENDATIONS**

1. That the Board authorize the upgrade to the Dataradio Network Management system and servers, and installation and maintenance, from Dataradio Incorporated as a sole source purchase, at a cost not to exceed \$284,000, exclusive of applicable taxes; and
2. That the Chairman be authorized to execute the contract with Dataradio Incorporated, subject to approval of the Region's Legal Services as to form and content.

**SYNOPSIS**

The Dataradio Incorporated data radio system was originally installed in 2001 and it is the primary link between the Computer Aided Dispatch (CAD) system and frontline officers. As part of a planned system upgrade, it is necessary to replace the current Dataradio Incorporated server, two node cluster storage devices, accompanying storage cabinets, and Radio Internet Protocol (IP) migration server. A "sole source" relationship exists because this proprietary system requires hardware repair, upgrades and service by qualified sub-contractors within Dataradio's scope of control.

**FINANCIAL IMPLICATIONS**

This system upgrade, along with its associated costs, has been included in the approved 2008 Capital Budget totaling \$284,000 (inclusive of a Dataradio Network Management server \$76,000; a Radio IP MTG server \$92,000 and two Proliant HP servers with cabinets and maintenance \$116,000.)

## **BACKGROUND**

In 2002, York Regional Police deployed a data radio transmission system supplied by Dataradio Incorporated of Montreal. This system, in combination with our Mobile Workstations, provides an information rich environment and forms a vital link to the Computer Aided Dispatch (CAD) system.

Dataradio Incorporated designed, implemented and currently provides maintenance to York Regional Police. The data system designed and implemented by Dataradio Incorporated is a complex and highly secure proprietary radio data transmission system and some installation and maintenance can only be performed by the manufacturer, therefore, a sole source relationship exists. Since system implementation in 2001, Dataradio Incorporated has provided exceptional service and support. Provision of radio data has been seamless, resulting in a very stable, high availability wireless environment for frontline members.

Currently, an upgrade of the Dataradio Incorporated Network Management System (NMS), its accompanying server and cabinetry and the Mobile Gateway Server (MTG) is required in order to continue to provide seamless data radio communication to the frontline. Upgrades to the Dataradio Incorporated Network Management Server will optimize data throughput, simultaneously reducing network load. Such system enhancements will serve as a foundation for the anticipated growth of the network with such partners as municipal fire services, the Regional Transportation and Works Department and York Regional Transit. The migration from current servers to the replacement system will be implemented seamlessly and without interruption of service.

The current Dataradio-IP servers have been utilized since 2001. The replacement of this system will ensure continued reliability and provide such enhancement as automated server failover in the event of unforeseen failure, thus ensuring continued system integrity. In order to accommodate future expansion and maximize space within the Information Technology Server room, the upgraded servers will be installed in new storage racks, which will align them with the current room configuration and the Uninterruptible Power Supply (UPS) upgrade currently underway. These improvements will further harden the communications systems which are essential for ensuring public safety on a day to day basis.

In conjunction with the server upgrades, a new version of interface software will be installed. The current versions of Dataradio Incorporated's server and client software has reached end of life, however, the new software will be supported under existing maintenance agreements. Upgrading the software will enable York Regional Police to enhance current security in the mobile environment through the implementation of Two Factor Authentication, a requirement of the RCMP for networks connected to the National Police Network by 2009. This upgrade also includes new Global Positioning Satellite (GPS) software which will significantly improve network efficiency when using the Automated Vehicle Location (AVL) subsystem of the Computer Aided Dispatch (CAD) system and routing applications such as Microsoft Streets and Trips.

These upgrades will provide multiple benefits, including increased security, security compliance, enhanced reliability and improved data throughput.

The Police Services Board Purchasing By-Law 11-06 section 9 states:

*“9.1 A sole source purchase may be made for the procurement of goods, services or construction without the issuing a call for bids where the compatibility of a purchase with existing equipment, facilities or service is the paramount consideration, or where the Officer in Charge is satisfied that there is only one supplier capable of satisfying the requirements of York Regional Police.*

Dataradio Incorporated designed, implemented and currently provides maintenance to York Regional Police. Because this proprietary system requires hardware repair, upgrades and service within Dataradio’s scope of control, a “sole source” relationship exists.

This system upgrade, along with its associated costs, has been included in the approved 2008 Capital Budget totaling \$284,000 (inclusive of a Dataradio Network Management server \$76,000; a Radio IP MTG server \$92,000 and two Proliant HP servers with cabinets and maintenance \$116,000.)

Armand P. La Barge, O.O.M.  
Chief of Police

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