



PSCIOC Information-Sharing Template – September 2016

JURISDICTION: Government of Prince Edward Island (GPEI)		Contact
1. <u>Accomplishments:</u> Briefly highlight major IT/IM accomplishments, progress, and/or significant milestones achieved in your jurisdiction over the past 6 - 12 months.	Technology in Schools Twenty-five (25) schools have been migrated from Novell to a new Windows 7 and Active Directory environment. During this conversion the schools received all new devices, application software, school information system converted from FoxPro to MSSQL, and wireless system installed to give complete coverage throughout the schools. <ul style="list-style-type: none"> 25 schools upgraded with network infrastructure in preparation for move to wireless environments. 35 schools currently under construction in terms of additional wiring prior to wireless environment being implemented. These schools to be ready for construction (LAN room, additional wiring, air conditioning) following Tender approvals between now and March 31, 2017. 	Ed Malone emmalone@gov.pe.ca
	Windows 7 and Active Directory (AD) With the exception of two (2) libraries, all Core Government departments and agencies have been migrated to the new Active Directory domain. The last two (2) libraries will be complete by August 2016. In addition to migrating users, resources and data to the new domain, this phase included upgrading the desktop hardware and/or software and network hardware and design.	Ed Malone emmalone@gov.pe.ca Carol Mayne camayne@gov.pe.ca
	Website Renewal Project The initial project goal was to transform the existing Provincial website into a client-centered web and mobile service platform. To achieve this end, a new technical infrastructure and toolset was introduced, including a modern content management system (Drupal), document management system (Alfresco) and search platform (Solr). The Government's new website https://princeedwardisland.ca was soft-launched on June 14, 2016. The site included re-written content, new services and an open data presence. Initial reviews from the public have been positive. A second phase to increase content, features and services has been approved by Government.	Scott Cudmore fscudmore@gov.pe.ca
	Open Data One of the components of the new GPEI website was an open data site containing almost 40 open datasets with at least one from each department. GPEI adopted the Government of Canada's open government licence, data standards and metadata standards. Work is	Carol Mayne camayne@gov.pe.ca



underway to continue to grow the site and to prepare an open data policy.

Integrated Claims System/ Drug Information System Medigent Upgrade

This application is used to track and monitor physician, pharmacy, and dental claims along with Health cards and prescription information for all Islanders. The upgrade has incorporated a number of product enhancements to increase system flexibility, streamline, manage, and automate work processes. It is a significant step that positions Government well for looking at future improvements in its business processes and services to Islanders.

Peritoneal Dialysis Software

In support of the Peritoneal Dialysis Program, the software is used to capture live data regarding how patients are performing their treatments, and to provide information for ongoing case management for patients. This software enables patients to perform dialysis therapy from home, eliminating the need for regular visits to a dialysis unit.

Picture Archiving & Communication System (PACS) Storage and Software Upgrade

The PACS is planned to be upgraded both at the infrastructure and application layer. This upgrade will occur in two (2) phases:

1. Storage Area Network and Infrastructure Implementation - Complete
2. Application Upgrade - Underway

The PACS environment will be upgraded to ensure continued vendor support, that patient data is retained and protected, and will provide PACS users effective, secured remote access.

Video Surveillance Upgrade at Queen Elizabeth Hospital (QEH)

Video surveillance server replacement and software upgrade to fix errors, meet capacity requirements, and to ensure compatibility with Windows 7 was carried out at the QEH. With additional coverage required and newer cameras recording higher resolution video, the smaller capacity of the older servers only allowed 9 days retention of video footage, which was deemed unacceptable. The new servers are able to store significantly more days of video at QEH.

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ED Wait Times at Western Hospital

Given limited information for patients on length of time to see a physician in the Western Hospital Emergency Department, a new wait times report was created based on a new algorithm to reflect business hours. The ED Wait Times are now displayed in the Emergency Department waiting room, similar to QEH and Prince County Hospital (PCH).

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Access and Privacy Service Application

ATIP Xpress (Vendor: AINS) has been developed for the Access and Privacy Service Office (APSO) replacing an older Powerbuilder application that only supported a portion of the business needs. The application incorporates many templates and reports that are used within Access and Privacy Office.

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Wireless Zones

The initial Wireless Zones Project has been completed. Another project to introduce the Internet Only Zone to GPEI's Health infrastructure is being planned and has completed the Tender process.

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Managed Print Solution

IT Shared Services (ITSS) and Ricoh are planning implementations across the printing fleet based on volume and age of existing printing assets. Several key departments have been consulted and are at various stages of participation. To date, ITSS and Ricoh will be optimizing two (2) acute care facilities during fiscal year 2017.

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VPN Project

The overall mission of the VPN project is to deliver a single Enterprise VPN solution that is more robust, user-friendly and designed for performance, functionality and interoperability. GPEI has standardized on CheckPoint as an enterprise firewall and VPN solution. This solution will be used for filtering, security and VPN access. Implementation has been completed for the sectors of Health, Core Government and Education.

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Clarity Project

CA Clarity PPM is the tool used by ITSS to track projects and client requests. The system has been in place for five (5) years, and a review of the functionality and processes has been conducted to keep the system in tune with departmental process changes and management expectations. As the ITSS model evolves and end users mature in the use of the Clarity application, our goal as a project is to ensure the Clarity application continues to meet the needs of ITSS. The Clarity application has been upgraded from 13.1 to 14.2,

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	with the implementation of resource management workflow, processes and application portfolio management.	
<p>2. Priorities: Briefly describe what your organization sees as its top IT/IM priorities/initiatives over the next 12 to 36 months.</p>	<p>Technology in Schools This project represents the modernization of school sites addressing the following key initiatives:</p> <ul style="list-style-type: none">• Upgrading of wiring, power, and air conditioning• Replacement of Novell infrastructure with Microsoft Active Directory• Replacement of computers/laptops• Implementation of tablet technology (ChromeBooks)• Upgrade of software interfaces (SAS, Google Applications)• Implementation of centrally managed and monitored wireless access in all schools <p>The project is targeted to be complete in Fiscal 2016-2017.</p> <p>Active Directory and Windows 7 Implementation in schools: the project team will follow the Wireless Implementation - targeted to be complete by Spring 2017.</p> <p>As part of the technology in schools initiative, a Digital Records Team, comprised of curriculum and technical resources, is developing policies and procedures to pilot a Bring Your Own Device Strategy for one senior high school in the Charlottetown area. This is scheduled to occur in October 2016. Technical staff are developing the design based on the requirements of students having only one (1) device active on the wireless infrastructure. These devices will be managed from a web filtering process using the same methods as a Government issued device.</p> <p>Windows 7 and Active Directory (AD) The AD team is currently working through planning and pre-migration work for Phase 4 of the project. This phase will see the migration of the existing Health users, resources and data into a new Health domain from AD 2003 to AD 2012 R2. The initial estimate is a completion date of January 31, 2018.</p> <p>GroupWise/BES Upgrade The objective of the project is to upgrade to GroupWise 2014R2 and BES 12 environment to ensure GPEI has a scalable and highly available BES12 production environment as their Enterprise Mobility Management solution.</p>	<p>Ed Malone emmalone@gov.pe.ca</p> <p>Ed Malone emmalone@gov.pe.ca Carol Mayne camayne@gov.pe.ca</p> <p>Ed Malone emmalone@gov.pe.ca</p>



Email Modernization

Due to the financial commitment for conversion of Groupwise to On-Premise Microsoft Exchange, GPEI is planning a project to stabilize GroupWise and the BlackBerry environment by March 31, 2017.

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Intrusion Prevention System (IPS)

GPEI has engaged a vendor to complete the Intrusion Prevention System Implementation (IPSI) project and provide ongoing network and security intrusion monitoring services. The objective of the IPSI project is to design and implement a new Security Intrusion Prevention System (IPS) and associated managed services for the GPEI's Core, Health, and Education networks, and integrate the new IPS with the existing Network Monitoring Service. The project is being completed in three (3) phases in order to ensure the final deliverable provides the necessary level of detail in strategy, design, and implementation planning to ensure the most cost-effective and manageable solution for network operation monitoring and security for GPEI with limited risk.

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Microsoft Server 2012 Upgrade and Server Consolidation

This project is intended to upgrade and consolidate Windows servers where possible. ITSS is currently migrating 3 application environments (Health, Core Government and ITSS).

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VPN

Checkpoint environment will be upgraded in fiscal year 2017, and 50 edge boxes designated for Pharmacies will be replaced.

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Offender Management System

The Division of Community and Correctional Services have requested an Integrated Offender Management System that incorporates all areas of their business into one (1) system; Adult, Youth, Community and Clinical. The current systems in older technologies are only capturing parts of their business and reporting is very disparate. This system is considered under the legacy migration work.

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Bed Management/Patient Flow Software Solution

This project focuses on improving patient access to hospital beds, and receiving appropriate care at the appropriate time. ITSS is working with Health PEI in

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scoping out the requirements of an electronic solution to assist with this initiative and although still in the exploratory stages, hope to have a solution in place during the current fiscal year.

Employee Engagement Software Pilot (Soapbox)

This initiative relates to the focus on engaging with frontline staff at Health PEI, and allows for staff to utilize software to present their ideas for improving their work environment and patient care experiences to senior management. The software is hosted in Canada, is collaborative, and will be piloted at the Prince County Hospital over the coming months.

Atlantic Workforce Apprenticeship

PEI is working on a collaborative project with NS, NB, NFLD and Labrador and MB to purchase a new apprenticeship system. Work is just getting underway with the implementation of the software. This will be completed in phases with PEI to be started during the later part of the project. Implementation time is still to be determined.

Pacemaker Management System for PCH and QEH

The intent is to implement PaceArt pacemaker and implantable cardioverter-defibrillator (ICD) management system to allow patient information to be stored electronically, accessible at all Health PEI facilities. This will improve patient care by allowing clinicians to have more timely access to patient information and device data versus the current paper based system stored only at QEH, which is inefficient, labour intensive and prone to clerical errors. In addition, the software will automatically identify and manage manufacturer's recalls of pacemaker devices.

Dictaphone Upgrade/Replacement

The objective is to migrate existing HPEI Dictaphone (transcription) (Nuance) system and hardware to a more modern voice recognition, transcription service that uses speech recognition software to turn clinician dictations into formatted draft documents. Health PEI anticipates transcriptionist productivity increase by up to 100% when compared with traditional transcription. The RFP is completed and a proposal selected with Health PEI to negotiate a contract with the vendor and then plan the implementation. The plan is to move to a transcription based service model with a vendor. This is anticipated to be implemented by early 2017.

PCU Remote Monitoring Upgrade

This is an upgrade to a Philips solution that has the ability to monitor patients' vital signs when in PCU/CCU/ICU, including a wireless component (iPod Touch devices with nursing). Implementation planned for late September 2016.

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<p>3. <u>Issues and Needs:</u> Briefly describe any issues you would like to share with the Council and what assistance you might be seeking from PSCIOC</p>	<p>Cellular RFP with Bell within the next year for cellular device voice, data and text plans for all of Government The contract due to expire in August 2016, and an extension of one (1) year is being addressed. GPEI would like to determine if there are any opportunities for a joint procurement with other Atlantic provinces, options to leverage Federal Government pricing, and also seeking best practices advice for anticipating future mobile needs of Government clients ie: client data collection and modeling for price determination.</p> <p>Cisco Standing Offer with Bell The contract expired on February 29, 2016. Bell has been approached to consider an extension but has declined. GPEI engaged in a procurement process and has awarded the CISCO Standing Offer to SoftChoice.</p> <p>Records Management and Email Conversion</p>	
<p>4. <u>Planning for Council Meetings:</u> Please identify topics of particular interest to your jurisdictions for future Council Meetings. <i>(Please provide a brief description for each item.)</i></p>		