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1 INTRODUCTION

The Prince Edward Island (PEI) Pharmaceutical Information Program (PhIP) Integration and Conformance Specification provides the necessary business and technical information required for application integration. This documentation set is composed of a series of volumes, which are intended for specific audiences.

There is a common set of volumes required by all software vendors. Two sets of business and technical volumes have been produced; one is intended for the practice of pharmacy while the other is intended for the practice of medicine. Interested parties may contact Sherry McCourt, Project Manager via telephone at (902) 368-6723 or via e-mail at samccourt@ihis.org to inquire about this documentation set or to request the most current version, and any technical questions may be directed to Patricia Holland, Technical Analyst at (902) 368-6194 or via e-mail at pmholland@gov.pe.ca.

1.1 Purpose/Audience

This specification is intended for software vendors, health care providers, health care professionals, and administrators who share responsibility for the implementation and operation of software that is capable of interacting with the PEI Pharmacy Network in a fully compliant manner.

This document describes the minimum implementation standards required for third-party provider software (local software) to be considered compliant with the functional requirements of the PEI Pharmaceutical Information Program as established by the Department of Health.

Local software applications must provide the ability for participating service providers (Providers) to perform the mandatory functions described herein. Communication by local software with the PhIP is conditional based on compliancy with the requirements described herein.

In addition to the provision of complaint software, Providers must ensure the following principles are established prior to implementing a “for production” Pharmaceutical Information Program connection:

- All users are provided adequate training in operating the compliant software;
- Privacy and confidentiality policies and procedures as outlined in the legislation and/or regulations are adhered to at all times;
- Proper telecommunications services have been acquired and are in accordance with the security requirements defined herein; and
- Adequate hardware and software infrastructure has been provided to users of the system.

1.2 Status of this Specification

This specification is in its final version.
1.3 Relationship to pan-Canadian Standards

The PEI Department of Health, in developing the PHIP, has endeavoured to adhere to nationally sponsored standards initiatives in all regards. Wherever possible, the standards, best practices, and processes agreed upon nationally have been adopted. Exceptions include where legislation, regulations, or mitigating factors have not made such possible. Instances where the Pharmacy Network has deviated from these standards are clearly identified.

The PEI Department of Health has worked in partnership with Canada Health Infoway (CHI) in developing the Pharmaceutical Information Program.

Canada Health Infoway is a not-for-profit organization made up of Canada's 14 federal, provincial, and territorial Deputy Ministers of Health. CHI was created in 2001 with the mandate to foster and accelerate the development and adoption of electronic health information systems in Canada. An important focus of CHI's investment strategy is to promote the creation and use of compatible standards and communication technologies on a pan-Canadian basis to support the implementation of interoperable systems across the country.

Canada Health Infoway's target is to have an interoperable electronic health record in place across 50 percent of Canada (by population) by the end of 2009. The route to this target is through the strategic investment of $1.2 billion.

A client registry (CR) is an essential component of any electronic health information system. A CR is a single directory that contains current patient identification information including Provincial Health Number (PHN) and demographics (name, address, date of birth, and gender). The CR also retains historic demographic information (maiden name and former addresses) which is critical to maintaining the concept of a lifetime record. The collection and retention of this information provides unique identification, which enables the linking together of all of the pieces of information that make up a patient's electronic health record.

CeRx is a pan-Canadian Clinical Drug Messaging Standard. This standard supports the clinical drug information interchange between and among clinicians. CeRx enables the population of the drug portion of the Electronic Health Records (EHR) at a provincial, territorial or regional level. These messages will allow the establishment of drug profiles within the EHR, as well as putting in place the workflows necessary to enable electronic prescribing.

The creation of a single pan-Canadian standard messaging specification aims at reducing costs for individual jurisdictions, software vendors and independent health care professionals in an effort to encourage adoption of these solutions and gain anticipated benefits.

NeCST is a National e-Claims Standard initiative whose goal it is to facilitate and support the development of a national electronic claims messaging standard for exchanging electronic health claims information across Canada. It will be used for private and public sector payors and for health service providers.
NeCST benefits to health care providers include:

- Ability to send electronic information to both private and public sector payors using the same message format;
- Efficiencies in electronic claims;
- Consistent format for all payors;
- Pan-Canadian standard across all jurisdictions; and
- Faster turnaround of claims processing and payment.

Benefits to the Pharmacy include:

- Ability to send more complete information, including compound components;
- Improved ability to bill for professional services against multiple plans from various insurers;
- Ability to send and receive more consistent messages and information from payors;
- Enhanced ability to electronically complete coordination of benefits (COB);
- Improved inventory control through the use of Universal Product Codes (UPC) and Global Product Identification Numbers (GPIN); and
- New messages allow pre-determination and electronic coverage extensions.

NeCST has been designed to facilitate all major health care business processes used to authorize, compile, submit, adjudicate and pay health care invoices submitted by any provider to any payor in Canada.

In accordance with the jurisdictionally agreed collaboration process, this specification will be provided to the standards management groups and representatives from other Canadian jurisdictions to facilitate the highest level of consistency possible on a Pan-Canadian basis.

1.4 Volume Index

This PhIP Integration and Conformance Specification is composed of seven (7) volumes, each of which is described below.

1.4.1 Volume 1: Introduction

Volume 1 provides contact information, document formatting rules, and a description of the remaining volumes.

1.4.2 Volume 2: Business Rules

Volume 2 contains business rules based on the work processes that are to be supported within the practices of pharmacy and medicine. A separate document is provided for each practice area. It provides explicit business rules and implementation guidance as it will be supported within the jurisdictional PhIP.

1.4.3 Volume 3: Technical Rules

Volume 3 contains rules, work processes, and message sequences that are to be supported within the practices of pharmacy and medicine. A separate document is
provided for each practice area. It provides explicit technical rules and guidance to the intended jurisdictional Pharmacy Network implementation.

1.4.4 Volume 4: Message Catalogue
Volume 4 contains the complete list of message interactions and content/structure rules. In cases where a supporting standard exists, it will reference the standard and provide per-jurisdiction restrictions/constraints. In the case that the message is non-standard, complete interaction details will be included within this document. This includes information regarding the following:

- Network transmission and responses;
- Client Registry standard messages;
- Provider Registry standard messages;
- CeRx standard messages;
- NeCST standard messages;
- CPhA v3 standard messages;
- Custom messages; and
- Message formats and data definitions.

1.4.5 Volume 5: Security
Volume 5 contains a description of the security infrastructure, integration requirements, minimal security policies, and references to appropriate procedures and forms that must be completed as part of the integration process.

1.4.6 Volume 6: Glossary
Volume 6 contains definitions for all terms and acronyms used throughout the specification.

1.4.7 Volume 7: Supplementary Materials Catalogue
Volume 7 contains references, pointers, and descriptions of supplementary materials and other information sources considered relevant.

1.5 Document Conventions
The following conventions are used in each volume

- ‘May’, ‘Should’, ‘Recommended’, ‘Optional’, or ‘Suggested’ indicate a functional ability that, while not required by a minimum implementation, should be considered.
- Acronyms are used throughout this document. The first use will typically include both the full name and the acronym. “Volume 6: Glossary” contains definitions of all acronyms used within the specification.
• Terms are used throughout this document. “Volume 6: Glossary” contains definitions of all terms used within the specification.

1.6 Related Standards/Documents
Please refer to “Volume 7: Supplementary Materials Catalogue”.

1.7 Disclaimer
All reasonable care has been taken by the PEI Department of Health to achieve accuracy throughout this specification. However, the PEI Department of Health cannot fully guarantee the accuracy of its contents. In reviewing this document, each party waives and releases the Province of Prince Edward Island to the full extent permitted by law from any and all claims related to the usage of material contained herein. In no event shall the Province of Prince Edward Island be liable for any incidental or consequential damages resulting from the use of these materials.
2 SUPPLEMENTARY MATERIALS CATALOGUE

2.1 Client Registry References
- RC502 Stable for Use - Client Registry Messaging Overview Package v1[1].04 – 20060328

2.2 CeRx References
V01R04 - 2006-April-23 release

2.3 NeCST References
NeCST Pharmacy Implementation Guide v1.0 03 Mar31 (2004)

2.4 PEI Department of Health
The following documents describe the minimum implementation standards required for pharmacy and physician local software to be considered compliant with the functional requirements established by the Department.

Communication of local software with PhIP is conditional on the use of compliant software as determined by the requirements described herein.
- Form 4 Confidentiality Undertaking; and
- Form 5 Confirmation of Confidentiality Undertaking.

2.5 Website References
The Infoway website is the main gateway for all standards currently being worked on and being supported and information regarding CR and CeRx can be found within amongst other items: http://www.infoway-inforoute.ca

The NeCST website is dedicated to the support of the NeCST standard: http://www.necst.ca

The PhIP webpage is part of the official PEI Provincial Government website. This page was created to provide software vendors, health care providers, health care professionals, and administrators who share responsibility for the implementation of compliant software that interacts with PhIP an access point for implementation documentation: www.gov.pe.ca/go/phinx