EMR Contextual Launch

Implementation Guide

September 10, 2021

Document Version & Status: 1.1 – Final

Table of Contents

1. INTRODUCTION

1.1 Overview

This document defines requirements for an EMR Offering to support any provincial EHR service. This document does not define specific requirements for any single EHR service. Refer to the respective documents for the implementation of any specific EHR service.

1.2 Version History

VERSION	REVISION DATE	NOTES
1.0	2021-03-31	Initial Draft
1.1	2021-09-10	a) Updated document status to Final b) Updated reference to EMR EHR Connectivity Specification c) Various format and errata corrections

1.3 Dependencies

An EMR Offering must adhere to the EMR EHR Connectivity Specification to connect and access provincial EHR services which comprise of several sets of requirements.

The following set of requirements need to be implemented to support provincial EHR services.

ONE ID OAuth2 OPENID Connect	OAG ONE Access Gateway	CMS - Context Management System	ONE Access Viewlet Framework
ONE ID OAuth2/OpenID Specification (Ontario Health Digital Services, 2020)	*ONE Access Gateway – Transport Specification (Ontario Health Digital Services, 2020)*	*Ontario Context Management System HL7 FHIR Implementation Guide (Ontario Health Digital Services, 2019)*	*ONE Access Viewlet Framework – Developer Guide (Ontario Health Digital Services, 2021)*

1.4 OntarioMD & Ontario Health Specification Artifacts

ID	NAME	VERSION	DATE
1	EMR EHR Connectivity Specification (OntarioMD, 2021) https://www.ontariomd.ca/emr-certification/library/specifications	2.4	2021-09-10

1.5   Different Types of EHR Services

The following information is intended to help understand what information and parameters are needed for an EMR Offering to store and for launching an EHR service.

An EHR service may exist as one of the following types:

1. a web application, or
2. a viewlet

Depending on the type, different parameters will be needed to launch the given EHR service. For example, a web application may only require a URL to connect to that EHR service, whereas a viewlet will require functionality to dynamically retrieve the list of parameters needed to launch such an EHR service. Viewlet specific functionality is defined in the Viewlet Framework requirements of the EMR EHR Connectivity Specification and will be needed for EHR services that are a viewlet.

2. REQUIREMENTS

The following EMR requirements to implement Contextual Launch.

OMD #	REQUIREMENT	GUIDELINES
01	The EMR Offering MUST have an EHR Service Directory to display the list of context-enabled EHR service(s).	The EMR Offering MUST be able to display an EHR Service Directory of provincial EHR services from where the EMR user can view the list of available EHR services and launch them. The EMR Offering MUST have the functionality to add, update and remove EHR services from the EHR Service Directory. The EHR Service Directory MUST have the functionality to accept and display zero or more EHR services. **Note**: An EHR Service Directory List is a common location within the EMR Offering's user interface that lists all the provincial EHR services that have been implemented within the EMR Offering. It allows the EMR user to view this list and to launch any of the listed EHR services from this list. **Note**: Refer to the Types of EHR Services section for more details about what parameters to store or how to retrieve them, depending on the type of EHR service.
02	The EMR MUST have the ability to POST patient /provider context to CMS, prior to launching the Context-enabled EHR service.	The EMR Offering MUST POST the following context data stored in the EMR: a) Health Information Custodian (HIC) Organization b) Location of the HIC (only if it is different from organization address) c) Practitioner d) Patient (At a minimum: Identifier, given & family name, gender, DOB) Patient context data MUST be sent prior to launching the context-enabled EHR service. The EMR Offering MUST support the ability to send all parameters if available. When setting the context data, the EMR Offering MUST adhere to the requirements set out in the Context Sharing document in the EMR EHR Connectivity Specification.
03	The EMR MUST LOG all interactions with the EHR service.	The EMR Offering MUST log the following information when attempting a connection with the EHR service **a)** Date and Time of interaction **b)** Endpoint attempting to connect **c)** Status (i.e., success or failure) **d)** Return codes, if provided **e)** EMR user ID