

# EMR Certification

## eChart Manitoba Context-Sensitive Launch Interface Assessment Guide

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Version 2.0



Shared health  
**Soins communs**  
Manitoba

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# 1 Overview

## 1.1 Document Purpose

This document contains details for the assessment components which are required in order for an EMR Product to be certified to the eChart Manitoba Context-Sensitive Launch Interface Specification.

## 1.2 Related Documents

This document references the following companion documents:

**Table 1: Related Documents**

DOCUMENT
<a href="#">Manitoba EMR Certification – Baseline EMR Requirements Specification</a>
<a href="#">eChart Manitoba Context-Sensitive Launch Interface Specification</a>
eChart Manitoba Context-Sensitive Launch Interface Assessment Addendum

Upon application for EMR Certification to this specification, Vendors can email [EMR@sharedhealthmb.ca](mailto:EMR@sharedhealthmb.ca) or contact their EMR Product Lead to request the associated assessment addendum containing configuration and details necessary for assessment.

## 2 EMR Product Assessment

The eChart Manitoba Context-Sensitive Launch Interface Specification defines the requirements for integration between the EMR and the eChart Manitoba Context-Sensitive Launch Interface (“eChart Manitoba Launch”).

### 2.1 Preparing for Product Assessment

Vendors of Certified EMR Products are advised to thoroughly prepare to ensure that the assessment goes smoothly and to ensure that it can be completed in the allocated time. Before an assessment session, the Vendor of a Certified EMR Product must:

1. Ensure the IP address from which the launch request is issued, is assumed to be located on a local area network that has been provisioned by Shared Health with VPN access to its network.
2. Review each scenario to ensure understanding. If questions arise, please contact your designated Product Lead and they will provide any required clarification.
3. Complete the pre-requisites related to each assessment scenario.
4. Conduct an end-to-end dry run to ensure that any identified issues can be remedied prior to assessment, and to confirm the time required to complete the assessment. If more time is required than initially allocated, please advise Shared Health at the earliest opportunity.

Demonstration provided by vendors that does not align with Assessment Scenarios may require re-assessment to confirm that requirements are met.

Vendors are expected to keep in-session development to a minimum during assessment sessions. Product Leads reserve the right to discontinue any assessment sessions based on EMR Product and vendor resource readiness.

### 2.2 Addendum

A companion document to this Assessment Guide is the eChart Manitoba Context-Sensitive Launch Interface Assessment Addendum (addendum) which must be requested. The addendum will contain the necessary information to connect the Certification environment to Shared Health enabling assessment. The following information will be contained in the addendum:

- Test EMR ID, Username, Password, and Domain
- Test Network Parameters
- Test Patients
- Test Harness

## 2.3 Assessment Column Definitions

**ID** – A unique identifier for the assessment scenario.

**Description** – A brief text description of the assessment being performed.

**Precondition** – Any setup that must be in place prior to the assessment being performed.

**Script** – The detailed steps needed to execute the assessment.

**Expected Results** – The detailed results to be demonstrated and that prove successful execution of the test.

**Reqmt Xref** – A reference to one or more requirements from the specification.

## 2.4 Assessment Scenarios

### CONNECTIVITY

Table 2: Assessment Scenarios - Connectivity

ID	DESCRIPTION	PRECONDITION	SCRIPT	EXPECTED RESULTS	REQMT XREF
I01	EMR User has not authenticated to their EMR.	eChart Manitoba Launch request URL is configured.	1. Start EMR application but do not log on to EMR.	1. eChart Manitoba Launch is inaccessible or disabled.	EC.I02
I02	No patient in context.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with no patient in context in the EMR.	1. eChart Manitoba Launch is inaccessible or disabled.	EC.I02

ID	DESCRIPTION	PRECONDITION	SCRIPT	EXPECTED RESULTS	REQMT XREF
I03	Patient is in context without eChart Manitoba Launch request URL configured.	eChart Manitoba Launch request URL is not configured.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with a patient in context in the EMR.	1. eChart Manitoba Launch is inaccessible or disabled.	EC.I02
I04	EMR User signs off their EMR.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with [CLIENT-X1] in context in the EMR. 2. Log out of EMR and close eChart Manitoba session. 3. Log into EMR. 4. Attempt to access the eChart Manitoba Launch with no patient in context in the EMR.	1. eChart Manitoba displays the Category View or Search Results. 2. eChart Manitoba Logout URL is invoked and eChart Manitoba session is closed. 3. EMR User is logged into EMR. 4. eChart Manitoba Launch is inaccessible or disabled.	EC.I02 EC.S05
I05	Patient is in context.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with [CLIENT-X1] in context in the EMR.	1. eChart Manitoba displays the Category View or Search Results.	EC.I01 EC.I05 EC.I10 EC.I11
I06-I07	Test scripts deprecated.				

## INTERFACE

Table 3: Assessment Scenarios - Interface

ID	DESCRIPTION	PRECONDITION	SCRIPT	EXPECTED RESULTS	REQMT XREF
C01	Save eChart Manitoba user credentials.	eChart Manitoba Launch request URL is configured.  EMR User does not have eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Save the test eChart Manitoba username and password.	1. EMR saves the test eChart username and password in an encrypted format.	EC.I03 EC.S02
C02	Test script deprecated.				
C03	Invalid eChart password entered.	eChart Manitoba Launch request URL is configured.  EMR User has the eChart Manitoba user credentials configured: <ul style="list-style-type: none"> <li>Valid username</li> <li>Invalid password</li> </ul> EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with a patient in context in the EMR.	1. eChart Manitoba displays the authentication error page.	EC.I04
C04	Successful password update.	eChart Manitoba Launch request URL is configured.  EMR User has the eChart Manitoba user credentials configured: <ul style="list-style-type: none"> <li>Invalid username</li> <li>Invalid password</li> </ul>	1. Attempt to access the eChart Manitoba Launch with a patient in context in the EMR. 2. Update the eChart Manitoba valid user credentials in the EMR. 3. Attempt to access the eChart Manitoba Launch with a patient in context in	1. eChart Manitoba displays the authentication error page. 2. EMR saves the test eChart username and password in an encrypted format. 3. eChart Manitoba displays the Category View or Search Results.	EC.I03 EC.I04

ID	DESCRIPTION	PRECONDITION	SCRIPT	EXPECTED RESULTS	REQMT XREF
		EMR User is logged into the EMR.	the EMR.		
C05	Log off eChart Manitoba after a successful eChart Manitoba Launch.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with a patient in context in the EMR. 2. Log out of eChart Manitoba. 3. Open external web browser and access eChart Manitoba.	1. eChart Manitoba displays the Category View or Search Results. 2. eChart Manitoba session is ended. 3. eChart Manitoba displays the login page.	EC.S04
C06	Close eChart Manitoba in browser after a successful eChart Manitoba Launch. Only applicable if an external browser is launched.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with a patient in context in the EMR. 2. Close browser with eChart Manitoba open. 3. Open external web browser and access eChart Manitoba.	1. eChart Manitoba displays the Category View or Search Results. 2. Browser with eChart Manitoba is closed. 3. eChart Manitoba displays the login page.	EC.S04
C07	eChart Manitoba session expires after a successful eChart Manitoba Launch.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with a patient in context in the EMR. 2. Wait for the eChart Manitoba session to expire (20 minutes is the configured session limit). 3. Open external web browser and access eChart Manitoba.	1. eChart Manitoba displays the Category View or Search Results. 2. eChart Manitoba session expires. 3. eChart Manitoba displays the login page.	EC.S04

ID	DESCRIPTION	PRECONDITION	SCRIPT	EXPECTED RESULTS	REQMT XREF
C08	EMR User logs out of EMR after a successful eChart Manitoba Launch.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	<ol style="list-style-type: none"> <li>1. Attempt to access the eChart Manitoba Launch with a patient in context in the EMR.</li> <li>2. Log out of EMR and close eChart Manitoba session.</li> <li>3. Open external web browser and access eChart Manitoba.</li> </ol>	<ol style="list-style-type: none"> <li>1. eChart Manitoba displays the Category View or Search Results.</li> <li>2. eChart Manitoba Logout URL is invoked and eChart Manitoba session is closed.</li> <li>3. eChart Manitoba displays the login page.</li> </ol>	EC.S05
C09	EMR User EMR session times out after a successful eChart Manitoba Launch.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	<ol style="list-style-type: none"> <li>1. Attempt to access the eChart Manitoba Launch with a patient in context in the EMR.</li> <li>2. Wait for the EMR session to expire.</li> <li>3. Open external web browser and access eChart Manitoba.</li> </ol>	<ol style="list-style-type: none"> <li>1. eChart Manitoba displays the Category View or Search Results.</li> <li>2. eChart Manitoba Logout URL is invoked.</li> <li>3. eChart Manitoba displays the login page.</li> </ol>	EC.S05
C10-C12	Test scripts deprecated.				
C13	Search – PHIN only.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	<ol style="list-style-type: none"> <li>1. Attempt to access the eChart Manitoba Launch with a patient in context that <u>only</u> has a Manitoba PHIN listed.</li> </ol>	<ol style="list-style-type: none"> <li>1. eChart Manitoba displays the Search Results with the Manitoba PHIN listed in the search options.</li> </ol>	EC.I07

ID	DESCRIPTION	PRECONDITION	SCRIPT	EXPECTED RESULTS	REQMT XREF
C14	Search – First Name only.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with a patient in context that <u>only</u> has a First Name listed.	1. eChart Manitoba displays the “No results” page.	EC.I07
C15	Search – Last Name only.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with a patient in context that <u>only</u> has a Last Name listed.	1. eChart Manitoba displays the “No results” page.	EC.I07
C16	Search – Date of Birth only.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with a patient in context that <u>only</u> has a Date of Birth listed.	1. eChart Manitoba displays the “No results” page.	EC.I07
C17	Search – First Name, Last Name and Date of Birth only.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user	1. Attempt to access the eChart Manitoba Launch with a patient in context that <u>only</u> has First Name, Last Name, and Date of Birth listed.	1. eChart Manitoba displays the Search Results with the Given Name, Family Name and Date of Birth listed in the search options.	EC.I07

ID	DESCRIPTION	PRECONDITION	SCRIPT	EXPECTED RESULTS	REQMT XREF
		credentials saved.  EMR User is logged into the EMR.			
C18	Search – First Name, Last Name, Date of Birth and Administrative Sex only.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with a patient in context that <u>only</u> has First Name, Last Name, Date of Birth and Administrative Sex listed.	1. eChart Manitoba displays the Search Results with the Given Name, Family Name, Date of Birth and Gender listed in the search options.	EC.I07
C19	Search – Out of Province or Other Jurisdiction Patient HCN.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with [CLIENT-X8] in context in the EMR.	1. eChart Manitoba displays the Category View or Search Results.	EC.I08
C20-C31	Test scripts deprecated.				
C32	Search –Canadian Forces No.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	1. Attempt to access the eChart Manitoba Launch with [CLIENT-X7] in context in the EMR.	1. eChart Manitoba displays the Category View or Search Results.	EC.I08
C33	Test script deprecated.				

ID	DESCRIPTION	PRECONDITION	SCRIPT	EXPECTED RESULTS	REQMT XREF
C34	Search – Include archived records=Y.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  Archived value is set to the default(N).	<ol style="list-style-type: none"> <li>1. Log into the EMR as an EMR administrator/ appropriate user and set the archived value to Y.</li> <li>2. Log out of the EMR.</li> <li>3. Log into the EMR as an EMR User.</li> <li>4. Attempt to access the eChart Manitoba Launch with [CLIENT-X3] in context in the EMR.</li> </ol>	<ol style="list-style-type: none"> <li>1. EMR saves archived value.</li> <li>2. EMR administrator/ appropriate logged out.</li> <li>3. EMR User logged in.</li> <li>4. eChart Manitoba displays the Category View or Search Results.</li> </ol>	EC.I09
C35	Search – Include archived records=N.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  archived value is set to Y.	<ol style="list-style-type: none"> <li>1. Log into the EMR as an EMR administrator/ appropriate user and set the archived value to Y.</li> <li>2. Log out of the EMR.</li> <li>3. Log into the EMR as an EMR User.</li> <li>4. Attempt to access the eChart Manitoba Launch with [CLIENT-X3] in context in the EMR.</li> </ol>	<ol style="list-style-type: none"> <li>1. EMR saves archived value.</li> <li>2. EMR administrator/ appropriate logged out.</li> <li>3. EMR User logged in.</li> <li>4. eChart Manitoba displays the Search Results (not including [CLIENT-X3]).</li> </ol>	EC.I09
C36-C38	Test scripts deprecated.				
C39	Demonstrate that the EMR launch works with one of the supported Web Browsers.	eChart Manitoba Launch request URL is configured.  EMR User has eChart Manitoba user credentials saved.  EMR User is logged into the EMR.	<ol style="list-style-type: none"> <li>1. Attempt to access the eChart Manitoba Launch with a patient in context in the EMR.</li> </ol>	<ol style="list-style-type: none"> <li>1. eChart Manitoba displays the Category View or Search Results in a supported browser.</li> </ol>	EC.B01
C40-C44	Test scripts deprecated.				

ID	DESCRIPTION	PRECONDITION	SCRIPT	EXPECTED RESULTS	REQMT XREF
C45	Demonstrate that the EMR maintains a single eChart Manitoba user session during an EMR session.	<p>eChart Manitoba Launch request URL is configured.</p> <p>EMR User has eChart Manitoba user credentials saved.</p> <p>EMR User is logged into the EMR.</p>	<ol style="list-style-type: none"> <li>1. Attempt to access the eChart Manitoba Launch with a patient in context in the EMR.</li> <li>2. Attempt to access the eChart Manitoba Launch with a different patient in context in the EMR.</li> </ol>	<ol style="list-style-type: none"> <li>1. eChart Manitoba displays the Category View or Search Results.</li> <li>2. eChart Manitoba displays the Category View or Search Results with the previous Category View or Search Results no longer persisting.</li> </ol>	EC.I12

### 3 Appendix A: Test Case to Requirement Traceability

Table 4: Test Case to Requirement Traceability

Test Case ID	Specification Requirements															Totals	
	EC.I01	EC.I02	EC.I03	EC.I04	EC.I05	EC.I07	EC.I08	EC.I09	EC.I10	EC.I11	EC.I12	EC.S02	EC.S04	EC.S05	EC.B01		
I01		x														1	
I02		x														1	
I03		x														1	
I04		x													x	2	
I05	x				x				x	x						4	
C01			x									x				2	
C03				x												1	
C04			x	x												2	
C05													x			1	
C06													x			1	
C07													x			1	
C08														x		1	
C09														x		1	
C13						x										1	
C14						x										1	
C15						x										1	
C16						x										1	
C17						x										1	
C18						x										1	
C19							x									1	
C32							x									1	
C34								x								1	
C35								x								1	
C39															x	1	
C45											x					1	
	1	4	2	2	1	6	2	2	1	1	1	1	1	3	3	1	31

## 4 Appendix B: Release Notes

### *Version 1.0 December 1, 2015*

- Added reference to the requirements specification document under section 2 (Assessment Requirements) and moved all requirements to requirements specification
- Moved the supported browsers section to this document from the requirements specification document
- Removed the test scripts for MRN parameters from section 3.5 (Test Scripts) as EMR are not expected to store MRN in Manitoba
- Moved the use cases to the requirements specification document
- Moved the certification environment section (earlier section 4.0) to section 3.2

### *Version 1.1 May 2, 2016*

- Test script C31 deprecated

### *Version 1.2 June 3, 2016*

- Deprecated test scripts C20 to C30 inclusive
- Updated wording in I4, I5, C12 and C19

### *Version 1.3 September 12, 2016*

- Added clarification on section 2.1 for support on old browsers. Updated browser versions in C39 and deprecated C40, C41.
- Removed test patient PHIN number from I6 and I7, to make the test script applicable for any EMR vendor and any test patient available in the assessment addendum
- Updated expected results statements for consistency in I5, I6, I7, C19, C32, C34, C35, C36 and C37
- Updated test script C4
- Updated requirement reference in test cases C5 to C9 and deprecated C44, due to deprecation of requirement EC.S04 in requirements specification
- Deprecated test scripts C10, C11, C12 and C33

### *Version 1.4 March 31, 2020*

- Updated document theme to new organizational visual identity
- Updated Manitoba eHealth to Shared Health to align with new organizational structure, including changes to the EMR Certification contact email address.
- Moved the requirements details previously contained in Section 2.1 – Supported Browsers to the additional notes of the browser requirement EC.B01 in the Specification
- Scenarios I5, I6, I7: added traceability to requirements EC.I01, EC.I05, and EC.I10

- Scenarios C3, C4: added traceability to requirement EC.I04
- Scenario C39L removed reference to Microsoft Internet Explorer versions 7.0 and 8.0
- Added Appendix A: Test Case to Requirement Traceability and re-indexed appendices

***Version 2.0 March 3, 2022***

- Updated document to use “eChart Manitoba” throughout
- Updated Section 1.2: Related Documents
  - Added a reference to the eChart Manitoba Context-Sensitive Launch Interface Assessment Addendum
- Updated Section 2.4: Assessment Scenarios
  - Deprecated assessment scenarios I06, I07, C02, C36, C37, C38, C42, C43
  - Added assessment scenario C45
  - Updated all assessment scenarios
    - Assessment scenarios reflect the parameter and browser changes referenced in the specification
- Updated Appendix C: Use Case to Requirement Traceability