

2015 Edition §170.315(g)(7) Application Access – patient selection

Testing Components: Health IT developer self-declaration to the testing outcomes

Test Procedure Version 1.1 – Last Updated 09/21/17

Please consult the Final Rule entitled: *2015 Edition Health Information Technology (Health IT) Certification Criteria, 2015 Edition Base Electronic Health Record (EHR) Definition, and ONC Health IT Certification Program Modifications* for a detailed description of the certification criterion with which these testing steps are associated. We also encourage developers to consult the Certification Companion Guide in tandem with the test procedure as they provide clarifications that may be useful for product development and testing.

Note: The order in which the test steps are listed reflects the sequence of the certification criterion and does not necessarily prescribe the order in which the test should take place

Required Tests

(g)(7) Application access – patient selection. The following technical outcome and conditions must be met through the demonstration of an application programming interface (API).

(i) Functional requirement. The technology must be able to receive a request with sufficient information to uniquely identify a patient and return an ID or other token that can be used by an application to subsequently execute requests for that patient’s data.

Standard(s): None

Criteria ¶	System Under Test	Test Lab Verification
(i)	The user demonstrates that when the Health IT Module’s identified API receives a request from another software component/service with enough information about a patient to identify that patient, the Health IT Module’s API returns an ID or other patient token.	<ol style="list-style-type: none"> 1. The tester verifies the Health IT Module’s API can receive a query from the health IT developer’s identified application for a specific patient ID or other token that can be used by the identified application to subsequently execute requests for that patient’s data. 2. The tester verifies that the Health IT Module’s API returns a specific patient ID or other token that can be used by an application to subsequently execute requests for that patient’s data.

(ii) Documentation –

(A) The API must include accompanying documentation that contains, at a minimum:

- (1) API syntax, function names, required and optional parameters and their data types, return variables and their types/structures, exceptions and exception handling methods and their returns.
- (2) The software components and configurations that would be necessary for an application to implement in order to be able to successfully interact with the API and process its response(s).

(3) *Terms of use.* The terms of use for the API must be provided, including, at a minimum, any associated developer policies and required developer agreements.

(B) The documentation used to meet paragraph (g)(7)(ii)(A) of this section must be available via a publicly accessible hyperlink.

Standard(s): None

Criteria ¶	System Under Test	Test Lab Verification
(ii)(A)(1)	<p>The health IT developer supplies documentation describing the API, with the intended audience of developers, and includes at a minimum:</p> <ul style="list-style-type: none"> • API syntax; • function names; • required and optional parameters and their data types; • return variables and their types/structures; and • exceptions and exception handling methods and their returns. 	<p>The tester verifies that the supplied documentation for the Health IT Module's API definition is accurate and that it matches the version of the software release.</p>
(ii)(A)(2)	<p>The health IT developer supplies accompanying documentation describing the Health IT Module's API implementation requirements, with the intended audience of developers, which must include:</p> <ul style="list-style-type: none"> • The software components and configurations that would be necessary for an application to implement in order to be able to successfully interact with the API and process its response(s). 	<p>The tester verifies that the supplied documentation for interfacing with the Health IT Module's API (including both the software components and the configuration) is accurate and without omission and that it matches the version of the software release.</p>
(ii)(A)(3)	<p>The health IT developer supplies the API's Terms of Use, which needs to include, at a minimum, any associated developer policies and required developer agreements.</p>	<p>The tester verifies the supplied documentation contains the Terms of Use and that it matches the version of the software release.</p>
(ii)(B)	<p>The documentation used to meet paragraph (g)(7)(ii)(A) of this section must be available via a publicly accessible hyperlink.</p>	<p>The tester verifies that the supplied documentation is publicly accessible by hyperlink.</p>

Document History

Version Number	Description of Change	Date
1.0	Final Test Procedure	January 20, 2016
1.1	As of September 21, 2017, Test Procedure has been moved to Attestation/Developer self-declaration only	September 21, 2017

Dependencies: For all related and required criteria, please refer to the [Master Table of Related and Required Criteria](#).