§ 170.315(g)(31) Provider prior authorization API – coverage requirements discovery

Test Procedure

This Test Procedure illustrates the test steps required to certify a Health IT Module to this criterion. Please consult the most recent ASTP/ONC Final Rule on the Certification Regulations page for a detailed description of the certification criterion with which these testing steps are associated. ASTP/ONC also encourages developers to consult the Certification Companion Guide in tandem with the test procedure as it provides clarifications that may be useful for product development and testing.

Note: The tests step order does not necessarily prescribe the order in which the tests should take place.

Revision History

Version #	Description of Change	Version Date
1.0	Initial publication	9/5/2025

Regulation Text

§ 170.315(g)(31) Provider prior authorization API – coverage requirements discovery.

Support the following capabilities to enable users to request and receive coverage requirements.

(i) Coverage discovery. Support the capability to initiate and exchange information as a “CRD Client” to enable the identification of coverage requirements according to at least one of the implementation specifications in § 170.215(j)(1), including the following:

(A) Registration. Support registration capabilities applicable to “CRD Clients”.

(B) CDS Hooks support. Support the capabilities in paragraph (j)(20) of this section to enable workflow triggers to call decision support services including support for the “order-sign” CDS Hook.

(C) CRD Client capabilities. Support all requirements and required capabilities applicable to a “CRD Client”.

(ii) Documentation. Supported API server capabilities of “CRD Clients” from an implementation specification adopted in § 170.215(j)(1) must include complete accompanying technical documentation.

Standard(s) Referenced

Paragraph (g)(31)(i)

§ 170.215(j)(1)(i) HL7 FHIR® Da Vinci—Coverage Requirements Discovery (CRD) Implementation Guide, Version 2.0.1—STU 2

Paragraph (g)(31)(ii)

§ 170.215(j)(1)(i) HL7 FHIR® Da Vinci—Coverage Requirements Discovery (CRD) Implementation Guide, Version 2.0.1—STU 2

Required Tests

Paragraph (g)(31)(i) Coverage discovery

System Under Test	Test Lab Verification
The health IT developer demonstrates the Health IT Module supports the following capabilities as a "CRD Client" in accordance with an implementation specification at § 170.215(j)(1) and the criterion requirements at § 170.315(j)(20): 1. CRD-1: Registration with a "CRD Server" including all configuration necessary to enable required CDS Hooks. 2. CRD-2: Discovery of supported capabilities by a "CRD Server" using a "CRD Client Capability Statement." 3. CRD-3: The "order-sign" CDS Hook, including support for receiving and processing "Coverage Information" system actions from a "CRD Server". 4. CRD-4: Triggering required CDS Hooks at the appropriate points in a clinical workflow. 5. CRD-5: Authentication as a client with a "CRD Server" using JSON web tokens (JWT). 6. CRD-6: Authorization of a "CRD Server" to have FHIR Resource access to enable required CDS Hooks, including provisioning an access token. 7. CRD-7: FHIR resource access to enable required CDS Hooks, including "read" and "search" support for FHIR resources as profiled for required CDS Hooks. 8. CRD-8: Processing of "Coverage Information" system actions received from a "CRD Server" including updating applicable FHIR resources in the Health IT Module. This may also include display of relevant decision support to a user.	The tester verifies the Health IT Module supports the following capabilities as a "CRD Client" in accordance with an implementation specification at § 170.215(j)(1) and the criterion requirements at § 170.315(j)(20): 1. CRD-1: Registration with a "CRD Server" including all configuration necessary to enable required CDS Hooks. 2. CRD-2: Discovery of supported capabilities by a "CRD Server" using a "CRD Client Capability Statement." 3. CRD-3: The "order-sign" CDS Hook, including support for receiving and processing "Coverage Information" system actions from a "CRD Server". 4. CRD-4: Triggering required CDS Hooks at the appropriate points in a clinical workflow. 5. CRD-5: Authentication as a client with a "CRD Server" using JSON web tokens (JWT). 6. CRD-6: Authorization of a "CRD Server" to have FHIR Resource access to enable required CDS Hooks, including provisioning an access token. 7. CRD-7: FHIR resource access to enable required CDS Hooks, including "read" and "search" support for FHIR resources as profiled for required CDS Hooks. 8. CRD-8: Processing of "Coverage Information" system actions received from a "CRD Server" including updating applicable FHIR resources in the Health IT Module. This may also include display of relevant decision support to a user.

Paragraph (g)(31)(ii) Documentation

System Under Test	Test Lab Verification
1. API-DOC-1: The health IT developer supplies complete accompanying technical documentation for supported API server capabilities of "CRD Clients" from an implementation specification adopted in § 170.215(j)(1). Such documentation should include as applicable: • API syntax; • Function names; • Required and optional parameters supported and their data types; • Return variables and their types/structures;	1. API-DOC-1: The tester verifies the documentation supplied by the health IT developer completely describes the supported API server capabilities of "CRD Clients" from an implementation specification adopted in § 170.215(j)(1) and includes the following as applicable: • API syntax; • Function names; • Required and optional parameters supported and their data types;

System Under Test	Test Lab Verification
• Exceptions and exception handling methods and their returns; • Mandatory software components; • Mandatory software configurations; and • All technical requirements and attributes necessary for registration. 2. API-DOC-2: The health IT developer demonstrates that the documentation described in step API-DOC-1 is available via a publicly accessible hyperlink that does not require preconditions nor additional steps to access.	• Return variables and their types/structures; • Exceptions and exception handling methods and their returns; • Mandatory software components; • Mandatory software configurations; and • All technical requirements and attributes necessary for registration. 2. API-DOC-2: The tester verifies the documentation described in step API-DOC-1 is available via a publicly accessible hyperlink that does not require preconditions nor additional steps to access.

Testing Tool

Inferno Framework (link to be provided at later date)

Test Tool Documentation (link to be provided at later date)