§ 170.315(b)(4) Real-time prescription benefit

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	09-05-2025

Regulation Text

§ 170.315(b)(4) Real-time prescription benefit—

(i) Send and receive information. Enable a user to perform the following transactions using the XML format in accordance with at least one of the versions of the standards adopted in § 170.205(c); at a minimum, a standard adopted in § 170.207(d)(1); and the standard in § 170.207(d)(2), as follows:

  (A) Request patient-specific prescription benefit information, estimated cost information, and alternative products, in accordance with the RTPBRequest transaction.

  (B) Receive patient-specific prescription benefit information, estimated cost information, and alternative products in response to a request, in accordance with the RTPBResponse transaction.

(ii) Display. Display to a user in human readable format patient-specific prescription benefit information, estimated cost information, and alternative products, in accordance with at least one of the versions of the standard adopted in § 170.205(c).

Standard(s) Referenced

Paragraph (b)(4)(i)

§ 170.205(c)(1) Real-Time Prescription Benefit Standard Implementation Guide v13

§ 170.207(d)(1)(i) RxNorm, July 5, 2022 Full Monthly Release

§ 170.207(d)(1)(ii) RxNorm, December 4, 2023 Full Monthly Release

§ 170.207(d)(1)(iii) RxNorm, September 8, 2015 Full Release Update

§ 170.207(d)(2) National Drug Codes (NDC)

Paragraph (b)(4)(ii)

§ 170.205(c)(1) [Real-Time Prescription Benefit Standard Implementation Guide v13](#)

Required Tests

Paragraphs (b)(4)(i) Send and receive information

System Under Test	Test Lab Verification

1. The health IT developer requests patient-specific prescription benefit information, estimated cost information, and alternative products (RTPBRequest) in accordance with (b)(4)(i)(A).
 	
2. The health IT developer receives patient-specific prescription benefit information, estimated cost information, and alternative products (RTPBResponse) in response to a request, in accordance with (b)(4)(i)(B).
	1. The tester verifies the Health IT Module sends and receives the following transactions and completes all required test tool interaction steps and verifies the validation report for the following required transactions:
	    a. Send a request for patient-specific prescription benefit information, estimated cost information, and alternative products (RTPBRequest);
	    b. Receive a response containing patient-specific prescription benefit information, estimated cost information, and alternative products in response to a request (RTPBResponse).

Paragraph (b)(4)(ii) Display

System Under Test	Test Lab Verification
1. The health IT developer displays patient-specific prescription benefit information, estimated cost information, and alternative products to the user in human-readable format in accordance with (b)(4)(ii).	1. The tester verifies through visual inspection of the System Under Test that the Health IT Module displays the patient-specific prescription benefit information, estimated cost information, and alternative products in a human-readable format.

Testing Tool

Electronic Prescribing (eRx)/Real-time prescription benefit (RTPB) Tool (link to be provided when tool is finalized)