# Test Criteria: 170.315.a.1 – Computerized Provider Order Entry (CPOE) - Medications

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| --- | --- |
| **Testing Result** |  |
| Participant and Product-with-version |  |
| Setting (Ambulatory or Inpatient) |  |
| Test Proctor |  |
| Test Date |  |
| Test Result | Pass:  Fail:  No Attempt: |
| Error Description (if applicable) |  |
| Modifications to Product Under Test |  |
| Additional Software Used |  |
| Additional Proctor Notes |  |

### Overview

In this document you will find:

* [Test Data and Test Tools](#_Test_Data_and_1)
* [Standards Support](#_Demonstrate_Standards_Support)
* [Drummond Test Report (Instructions, Expected Results, Points to Remember)](#_170.315(a)(1)(i)_Record,_Change,)
* [Test Procedures](#_Test_Procedures)
* [Appendix A: Testing Guide](#_Appendix_A:_Testing)
* [Appendix B: ONC Criteria](#_Appendix_B:_ONC)

### Version of ONC Test Method

1.0

### Scope of Proctoring Sheet

The ONC test method associated with this criterion is the only approved test method for EHR Meaningful Use certification. This Proctoring Sheet is not a replacement test method but a test procedure document for performing the ONC test method and recording the results. Proctoring Sheet describe test data, test criteria and expected results. It is assumed the Vendor or Participant Under Test is familiar with the associated ONC test method.

# Robustness and Reliability Requirement

To satisfy the module criteria, it is expected that the Product-Under-Test is able to complete the testing requirements reliably, including repeat testing with the same result without error, and with a satisfactory level of robustness. This includes unexpected error messages produced through normal operation, multiple unintended restarts of the application or any other “buggy” facets of the product displayed while testing. These errors are record in the Additional Proctor Notes of the proctor sheet. Lack of reliability and robustness of design will result in failure of the module.

# Test Data and Tools

|  |  |
| --- | --- |
| **Test Data Source:** | ONC-Supplied:  DG-Supplied:  Developer-Supplied: |
| **Pre-Test Data Setup:**  If also testing (a.4) Drug-drug, Drug-allergy Interaction Checks and (a.10) Drug Formulary and Preferred Drug List, these may be tested concurrently and will require the following data be pre-loaded into the patient’s medication list:  Medication List:   * + **Revlimid 20mg**(Optional: RxNorm: 1428946; NDC: 59572-415-21)   + **Lisinopril 20mg** (Optional: RxNorm: 316153; NDC: 0378-2075-1) | |
| **Test Data:**  DG-supplied medication test data provided within this proctor sheet or health IT developer may opt to use own data. If supplying own data, notify Test Proctor before test event. | |
| **Test Tools:**  Not applicable. | |

# Demonstrate Standards Support

|  |  |
| --- | --- |
| **Test Result:** | PASS:  FAIL:  No Attempt: |
| **Instructions:** There are no standards required for this criterion. | |

# 170.315(a)(1) CPOE - Medications

|  |  |
| --- | --- |
| **Test Result:** | PASS:  FAIL:  No Attempt: |
| **Optional Field Included?** | YES:  NO: |
| **Instructions:**   * Record, change, and access a patient’s medication orders. * The user *optionally* includes the “reason for order” field as part of the medication order (170.315(a)(1)(ii)). | |
| **Expected Test Result:**   * Enable a user to record, change, and access a patient’s medication orders. * The medication order optionally includes a “reason for order” field. | |
| **Points to Remember:**   * This module is eligible for gap certification. * Health IT Developer may substitute medication test data upon prior notice and approval by Drummond Group. * RxNorm codes are not required but provided for reference. * Sample NDC product code given as illustration of product but is not required. * ONC regulation is not prescriptive about the method used to change the order. For example, changing an order does not require modifying an existing instance of an order, but may be accomplished by discontinuing or canceling an existing order and recording a new order. * ONC regulation does not focus on the transmission of medication orders, only on the ability of a user to record, access, and change the medication order. * It is *not* mandatory that the health IT module allow a user to include a “reason for order” field; it is optional. The developer has the discretion to determine how to implement this optional provision (e.g., free text field or drop-down menu of pre-determined entries). | |

### Test Procedures

**1.1 Record CPOE Medication Orders: AMBULATORY**

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| --- | --- |
|  | User records medication orders as follows:   * Ceftriaxone 250 MG/ML twice daily; RxNorm code: 563973; sample NDC product code: 55154-6962-5 * Tylenol 500 MG one tablet by mouth as needed for 10 days; RxNorm code: 209459; sample NDC product code: 50580-451-03 * Darbepoetin Alfa 0.5 MG/ML once a week; injection; RxNorm: 576586; sample NDC product code: 55513-025-04 * Amoxicillin 500 MG one capsule by mouth every 12 hours; RxNorm code: 308191; sample NDC product code: 35356-985-21 |
|  | *Optional*: Developer-supplied “Reason for order” field |

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**1.2 Record CPOE Medication Orders: INPATIENT**

|  |  |
| --- | --- |
|  | User records medication orders as follows:   * Ceftriaxone 250 MG/ML twice daily; RxNorm code: 563973; sample NDC product code: 55154-6962-5 * Tylenol 500 MG oral as needed; RxNorm code: 209459; sample NDC product code: 50580-451-03 * Darbepoetin Alfa 0.5 MG/ML once a week; injection; RxNorm: 576586; sample NDC product code: 55513-025-04 * Amoxicillin 500 MG one capsule by mouth every 8 hours; RxNorm code: 308191; sample NDC product code: 35356-985-21 |
|  | *Optional*: Developer-supplied “Reason for order” field |

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**1.3 Change CPOE Medication Orders: Ambulatory and Inpatient**

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| --- | --- |
|  | User changes medication orders (highlighted in **bold**):   * Ceftriaxone **500 MG/ML** twice daily; RxNorm: 1665004; sample NDC product code: 25021-105-10 * Tylenol 500mg **one tablet** **twice daily for 3 days**; RxNorm code: 209459; sample NDC product code: 50580-451-03 * Amoxicillin 500 MG one capsule by mouth **every 6 hours**; RxNorm code: 308191; sample NDC product code: 35356-985-21 |
|  | *Optional*: Developer-supplied “Reason for order” field |

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**1.4 Access CPOE Medication Orders: Ambulatory and Inpatient**

|  |  |
| --- | --- |
|  | User accesses medication orders:   * Ceftriaxone 500 MG/ML twice daily; RxNorm code: 1665004; sample NDC product code: 25021-105-10 * Tylenol 500mg one tablet twice daily for 3 days; RxNorm code: 209459; sample NDC product code: 50580-451-03 * Darbepoetin Alfa 0.5 MG/ML once a week; injection; RxNorm: 576586; sample NDC product code: 55513-025-04 * Amoxicillin 500 MG one capsule by mouth every 6 hours; RxNorm code: 308191; sample NDC product code: 35356-985-21 |
|  | *Optional*: Developer-supplied “Reason for order” field |

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# Appendix A: Testing Guide

*This appendix contains more details and background on the testing requirements, including explanation on underlying standards, notable issues and best practice suggestions.*

Rev 01-Mar-2016 Additions

* <NONE>

# Appendix B: ONC Criteria and Standards

*This appendix contains copy of the relevant ONC criteria and standards for this proctor sheet as a reference. In the event of a discrepancy with the ONC Final Rule, the ONC Final Rule takes precedence.*

**§170.315(a)(1) Computerized provider order entry – medications.**

1. Enable a user to record, change, and access medication orders.
2. Optional. Include a “reason for order” field.

# Change Log

|  |  |
| --- | --- |
| Revision | Change Description |
| 01-Mar-2016 | Initial Release. |
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**About Drummond Group LLC**

Drummond Group LLC is a global software test and certification lab that serves a wide range of vertical industries.  In healthcare, Drummond Group tests and certifies Controlled Substance Ordering Systems (CSOS), Electronic Prescription of Controlled Substances (EPCS) software and processes, and Electronic Health Records (EHRs) – designating the trusted test lab as the only third-party certifier of all three initiatives designed to move the industry toward a digital future. Founded in 1999, and accredited for the Office of the National Coordinator Health IT Certification Program as an Authorized Certification Body (ACB) and an Authorized Test Lab (ATL), Drummond Group continues to build upon its deep experience and expertise necessary to deliver reliable and cost-effective services. For more information, please visit <http://www.drummondgroup.com> or email [ehr@drummondgroup.com](mailto:ehr@drummondgroup.com)

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