Test Procedure for §170.304 (b) Electronic Prescribing

This document describes the test procedure for evaluating conformance of complete EHRs or EHR modules[1] to the certification criteria defined in 45 CFR Part 170 Subpart C of the Final Rule for Health Information Technology: Initial Set of standards, Implementation Specifications, and Certification Criteria for Electronic Health Record Technology as published in the Federal Register on July 28, 2010. The document[2] is organized by test procedure and derived test requirements with traceability to the normative certification criteria as described in the Overview document located at http://healthcare.nist.gov/docs/TestProcedureOverview_v1.pdf. The test procedures may be updated to reflect on-going feedback received during the certification activities.

The HHS/Office of the National Coordinator for Health Information Technology (ONC) has defined the standards, implementation guides and certification criteria used in this test procedure. Applicability and interpretation of the standards, implementation guides and certification criteria to EHR technology is determined by ONC. Test procedures to evaluate conformance of EHR technology to ONC's requirements are defined by NIST. Testing of EHR technology is carried out by ONC-Authorized Testing and Certification Bodies (ATCBs), not NIST, as set forth in the final rule establishing the Temporary Certification Program (*Establishment of the Temporary Certification Program for Health Information Technology, 45 CFR Part 170; June 24, 2010.*)

Questions about the applicability of the standards, implementation guides or criteria should be directed to ONC at ONC.Certification@hhs.gov. Questions about the test procedures should be directed to NIST at hit-tst-fdbk@nist.gov. Note that NIST will automatically forward to ONC any questions regarding the applicability of the standards, implementation guides or criteria. Questions about functions and activities of the ATCBs should be directed to ONC at ONC.Certification@hhs.gov

CERTIFICATION CRITERIA

This Certification Criterion is from the Health Information Technology: Initial Set of Standards, Implementation Specifications, and Certification Criteria for Electronic Health Record Technology Final Rule issued by the Department of Health and Human Services (HHS) on July 28, 2010.

§170.304 (b) Electronic prescribing. Enable a user to electronically generate and transmit prescriptions and prescription-related information in accordance with:
>   (1) The standard specified in §170.205(b)(1) or §170.205(b)(2); and
>   (2) The standard specified in §170.207(d).

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[1] Department of Health and Human Services, 45 CFR Part 170 Health Information Technology: Initial Set of Standards, Implementation Specifications, and Certification Criteria for Electronic Health Record Technology, Final Rule, July 28, 2010.

[2] Disclaimer: Certain commercial products are identified in this document. Such identification does not imply recommendation or endorsement by the National Institute of Standards and Technology.

Per Section III.D of the preamble of the Health Information Technology: Initial Set of Standards, Implementation Specifications, and Certification Criteria for Electronic Health Record Technology, Final Rule where the electronic prescribing certification criterion is discussed:

- "Meaningful Use Stage 1 Measure - More than 40% of all permissible prescriptions written by the EP are transmitted electronically using certified EHR technology"
- "… Accordingly, we have modified this certification criterion to specify that Complete EHR and EHR Module developers may seek to have their Complete EHR or EHR Module tested and certified to either solely NCPDP SCRIPT 8.1 or 10.6. Additionally, we have also replaced the standard adopted in the Interim Final Rule and have adopted both NCPDP SCRIPT 8.1 and NCPDP SCRIPT 10.6. As discussed in the beginning of the preamble, we have revised our approach to specifying the certification criteria to more clearly focus on the capabilities with which they must be associated. Therefore, we have modified this certification criterion to specify that a Complete EHR or EHR Module would be compliant with this certification criterion if it has the capability of generating and transmitting prescription and prescription-related information according to NCPDP SCRIPT 8.1 while also using the adopted vocabulary standard, or if it is capable of generating and transmitting prescriptions and prescription-related information according to NCPDP SCRIPT 10.6 while also using the adopted vocabulary standard."
- "In addition, to permit the development or mapping and use of other vocabularies independent of NLM, we have dropped the requirement that NLM explicitly identify the acceptable data sources. Instead, the standard now permits the use of codes from any drug vocabulary successfully included in RxNorm. To provide guidance and clarification to the industry, we will recognize any source vocabulary that is identified by NLM's RxNorm Documentation as a source vocabulary included in RxNorm. We are therefore revising the standard to state."
- "Any source vocabulary that is included in RxNorm, a standardized nomenclature for clinical drugs produced by the United States National Library of Medicine." We note that in section 3.1, of the most recent release of the "RxNorm Documentation (06/07/10, Version 2010-3)7," NLM has identified the following source vocabularies as being included in RxNorm.
  - GS - Gold Standard Alchemy
  - MDDB - Medi-Span Master Drug Data Base
  - MMSL - Multum MediSource Lexicon
  - MMX - Micromedex DRUGDEX
  - MSH - Medical Subject Headings (MeSH)
  - MTHFDA - FDA National Drug Code Directory
  - MTHSPL - FDA Structured Product Labels
  - NDDF - First DataBank NDDF Plus Source Vocabulary
  - NDFRT - Veterans Health Administration National Drug File - Reference Terminology
  - SNOMED CT - SNOMED Clinical Terms (drug information)
  - VANDF - Veterans Health Administration National Drug File

  We clarify for commenters that the standard we have adopted is a functional standard that enables the use of any source vocabulary that is included within RxNorm. Consequently, any one of these "source vocabularies" identified by NLM may be used, or any other source vocabulary successfully included within RxNorm."

INFORMATIVE TEST DESCRIPTION

This section provides an informative description of how the test procedure is organized and conducted. It is not intended to provide normative statements of the certification requirements.

This test evaluates the capability for a Complete EHR or EHR Module to electronically generate and transmit new prescriptions for patients in accordance with the specified standards.

This test procedure evaluates conformance with the NCPDP SCRIPT v8.1 NEWRX transaction or the NCPDP SCRIPT v10.6 NEWRX transaction when used to transmit a new prescription from a prescriber to a pharmacy. Other transactions identified in the referenced standards will not be evaluated. The test procedure incorporates both the EDIFACT and XML versions of NCPDP SCRIPT.

The medications vocabulary requirement can be met by providing RxNorm codes or medication vocabulary codes from any of the source vocabularies incorporated within RxNorm.

This test procedure consists of two sections:

- Generate new prescriptions – evaluates the capability to enter new prescriptions in accordance with the specified standards
    - The Tester enters two or more electronic prescriptions
    - The Tester validates that the prescriptions are entered in accordance with the specified standards and that the prescription data are accurate and complete. The intention is to verify that the test data are accurately recorded by the EHR rather than evaluating whether a prescription is legally valid. While not being evaluated in this test procedure, the NCPDP SCRIPT Implementation Recommendations document provides additional guidance to implementers in this regard.

- Transmit new prescriptions – evaluates the capability to transmit new prescriptions to an external system
    - The Vendor identifies the version of NCPDP SCRIPT which will be transmitted for the test (SCRIPT 8.1 EDIFACT, SCRIPT 8.1 XML, SCRIPT 10.6 EDITFACT, SCRIPT 10.6 XML)
    - Using Vendor-identified functions, the Tester transmits the new prescriptions to a receiving system (either a Tester's receiving system or a vendor-identified system) using the Vendor-identified transport technology of the EHR.   This may require configuration on the part of the Tester's receiving system.
        - The Tester validates that the generated new prescriptions are transmitted by the EHR to the receiving system
        - The Tester validates that the transmitted new prescriptions are complete and in conformance with the Vendor-selected version of the NCPDP SCRIPT standard and the conformance requirements in the applicable section of Appendix A in this test procedure.

REFERENCED STANDARDS

§170.205 Content exchange standards and implementation specifications for exchanging electronic health information.	Regulatory Referenced Standard
The Secretary adopts the following content exchange standards and associated implementation specifications:	
(b) Electronic prescribing.	
(1) Standard. The National Council for the Prescription Drug Programs (NCPDP) Prescriber/Pharmacist Interface SCRIPT standard, Implementation Guide, Version 8, Release 1 (Version 8.1) October 2005 (incorporated by reference in §170.299)	
(2) Standard. NCPDP SCRIPT Standard, Implementation Guide, Version 10.6 (incorporated by reference in §170.299).	None

§170.207 Vocabulary standards for representing electronic health information.	Regulatory Referenced Standard
The Secretary adopts the following code sets, terminology, and nomenclature as the vocabulary standards for the purpose of representing electronic health information:	
(d) Medications. Standard. Any source vocabulary that is included in RxNorm, a standardized nomenclature for clinical drugs produced by the United States National Library of Medicine.	As of 6/10/2010 the following source vocabularies are listed by NLM: GS Gold Standard Alchemy MDDB Medi-Span Master Drug Data Base MMSL Multum MediSource Lexicon MMX Micromedex DRUGDEX MSH Medical Subject Headings (MeSH) MTHFDA FDA National Drug Code Directory MTHSPL FDA Structured Product Labels NDDF First DataBank NDDF Plus Source Vocabulary NDFRT Veterans Health Administration National Drug File - Reference Terminology SNOMED CT SNOMED Clinical Terms (drug information) VANDF Veterans Health Administration National Drug File

NORMATIVE TEST PROCEDURES

Derived Test Requirements

DTR170.304.b – 1: Generate new prescriptions

DTR170.304.b – 2: Transmit new prescriptions

DTR170.304.b – 1: Generate new prescriptions

Required Vendor Information

VE170.304.b – 1.01:   Vendor shall identify patients with existing records in the EHR to be used for this test

VE170.304.b – 1.02:   Vendor shall identify one or more prescribers and pharmacies available in the EHR to be used during the test

VE170.304.b – 1.03:   Vendor shall identify the EHR function(s) that are available to: 1) select the patients, 2) enter new prescriptions, 3) electronically transmit prescriptions

Required Test Procedure:

TE170.304.b – 1.01:   The Tester shall select prescription data from the NIST-supplied test data sets in TD170.304.b.1

TE170.304.b – 1.02:   Using the EHR function(s) identified by the Vendor, the Tester shall select the patient's existing record and enter two or more new prescriptions using one of the prescribers identified by the Vendor and one of the pharmacies identified by the Vendor

TE170.304.b – 1.03:   Using the NIST-supplied Inspection Test Guide, the Tester shall verify that prescriptions are entered and that the data are accurate and complete

Inspection Test Guide

IN170.304.b – 1.01:   Using the data in the NIST-supplied Test Data TD170.304.b.1, Tester shall verify that the prescription test data are recorded correctly in the EHR

DTR170.304.b – 2: Transmit new prescriptions

Required Vendor Information

VE170.304.b – 2.01:   Vendor shall identify the NCPDP SCRIPT standard (v8.1 EDIFACT, v8.1 XML, v10.6 EDIFACT or 10.6 XML) to be used for the conformance assessment

Required Test Procedure:

TE170.304.b – 2.01:   Using Vendor-identified EHR functions, the Tester shall transmit the new prescriptions generated during the DTR170.304.b – 1 test to an external system

TE170.304.b – 2.02:   Using the appropriate NIST-supplied Inspection Test Guide, the Tester shall verify that the transmitted message conforms to the version of the NCPDP SCRIPT standard selected by the Vendor (v8.1 EDIFACT, v8.1 XML, v10.6 EDIFACT or 10.6 XML)

Inspection Test Guide

IN170.304.b – 2.01:   Tester shall verify that the transmitted new prescriptions contain the complete and correct test data as entered during the DTR170.304.b – 1: Generate new prescriptions test

IN170.304.b – 2.02:   Using the appropriate NIST-supplied Inspection Test Guide contained in Appendix A of this test procedure, the Tester shall verify that the transmitted message conforms to the version of the NCPDP SCRIPT standard selected by the Vendor (v8.1 EDIFACT, v8.1 XML, v10.6 EDIFACT or 10.6 XML). The Tester may conduct the evaluation by visually examining the message, or by

applying an automated testing tool which has been verified as consistent with the conformance statements in these inspection test guides.

TEST DATA

Test data is provided by NIST in this Test Procedure to ensure that the functional and interoperable requirements identified in the criteria can be adequately evaluated for conformance, as well as to provide consistency in the testing process across multiple ONC-Authorized Testing and Certification Bodies (ATCBs). The NIST-supplied test data focus on evaluating the basic capabilities required of EHR technology, rather than exercising the full breadth/depth of capability that installed EHR technology might be expected to support. The test data is formatted for readability of use within the testing process. The format is not prescribing a particular end-user view or rendering. No additional requirements should be drawn from the format.

The Tester shall use and apply the NIST-supplied test data during the test, without exception, unless one of the following conditions exists:
- The Tester determines that the Vendor product is sufficiently specialized that the NIST-supplied test data needs to be modified in order to conduct an adequate test. Having made the determination that some modification to the NIST-supplied test data is necessary, the Tester shall record the modifications made as part of the test documentation.
- The Tester determines that changes to the test data will improve the efficiency of the testing process; primarily through using consistent demographic data throughout the testing workflow. The Tester shall ensure that the functional and interoperable requirements identified in the criterion can be adequately evaluated for conformance and that the test data provides a comparable level of robustness.

Any departure from the NIST-supplied test data shall strictly focus on meeting the basic capabilities required of EHR technology relative to the certification criterion rather than exercising the full breadth/depth of capability that installed EHR technology might be expected to support.

The Test Procedures require that the Tester enter the test data into the EHR technology being evaluated for conformance. The intent is that the Tester fully controls the process of entering the test data in order to ensure that the data are correctly entered as specified in the test procedure. If a situation arises where it is impractical for a Tester to directly enter the test data, the Tester, at the tester's discretion, may instruct the Vendor to enter the test data, so long as the Tester remains in full control of the testing process, directly observes the test data being entered by the Vendor, and validates that the test data are entered correctly as specified in the test procedure.

TD170.304.b.1: Electronic Prescribing

The Tester shall select two or more prescriptions from the NIST test data which are supported in the EHR. The test data have been written in plain English with the expectation that the Tester will appropriately translate the plain English statements into the abbreviations and instructions supported by the EHR.

- Hydrochlorothiazide 50 mg tablet, Dispense 30 tablets, Sig: Take 1 tablet every day by mouth. 1 Refill
- Klor-Con 10 mEq Controlled Release Tablet. Dispense 60 tablets. Sig: Take 1 tablet 2 times a day by mouth. 1 Refill
- Catapres 0.1 mg tablet, dispense 60 tablets. Sig: Take 1 tablet by mouth two times a day. 1 Refill Cardura 2 mg tablet, dispense 30 tablets. Sig: Take 1 tablet by mouth once a day.1 Refill
- Capoten 25 mg tablet, quantity 90. Sig: Take 1 tablet by mouth three times per day. One refill authorized.
- Aldactone 25 mg tablet, quantity 120. Sig: Take one tablet by mouth four times per day. One refill authorized
- Lanoxin 125 mcg tablet, quantity 60. Sig: Take one tablet by mouth once per day. No refills authorized
- Azithromycin 500 mg tablet, dispense 10 tablets, Sig: Take 1 tablet by mouth once a day for 3 days. No refills authorized
- Atrovent HFA Inhalation Aerosol 17 mcg/actuation, 12.9 g canister, dispense 1 canister, Sig: Inhale 2 puffs by mouth four times a day. No refills authorized
- ProAir HFA Inhalation Aerosol 90 mcg/actuation 6.7 g canister, Dispense 1 canister. Sig: Inhale 2 puffs by mouth every 4 hours as needed for shortness of breath. No refills authorized
- Lipitor 10 mg tablet, quantity 30. Sig: Take 1 tablet by mouth once per day. One refill authorized:.
- Lasix 20 mg tablet, quantity 60. Sig: Take one tablet by mouth two times per day. Two refills authorized
- Klor-Con 10 mEq tablet, quantity 60. Sig: Take one tablet by mouth two times per day. One refill authorized.
- Colace 100 mg capsule. Sig: Take one capsule twice a day by mouth. Quantity: 60. 1 refill
- Zestril 30 mg tablet. Sig: Take one tablet once a day by mouth. Quantity: 30 1 refill
- Norvasc 5 mg tablet, dispense 30 tablets, Sig: Take 1 tablet by mouth once a day. No refills authorized:
- Macrobid 100 mg capsule, dispense 28 capsules, Sig: Take 1 tablet by mouth every 6 hours for 7 days. No refills authorized
- Atrovent HFA Inhalation Aerosol 17 mcg/actuation, 12.9 g canister, dispense 1 canister, Sig: Inhale 2 puffs by mouth four times a day. No refills authorized
- ProAir HFA Inhalation Aerosol 90 mcg/actuation 6.7 g canister, Dispense 1 canister. Sig: Inhale 2 puffs by mouth every 4 hours as needed for shortness of breath. No refills authorized.

CONFORMANCE TEST TOOLS

None

APPENDIX A

170.304(b) Inspection Test Guide for NCPDP SCRIPT v8.1

This inspection test guide defines the minimum conformance requirements for a new prescription message (NEWRX) generated by an EHR in accordance with the criteria and standards in the FR. The Tester shall evaluate the message according to the conformance requirements in each table of this inspection test guide. The Tester may conduct the evaluation by visually examining the message, or by applying an automated testing tool which has been verified as consistent with the conformance statements in this inspection test guide.   As applicable, the relevant xPath statements are included in the tables for evaluating conformance to the XML version of NCPDP SCRIPT v8.1

Optionality Designations
In SCRIPT v8.1 optionality at the segment level is expressed as Y/N. Optionality at the composite and field level is expressed as:

  M = Mandatory
  C = Conditional
  CM = Conditional Mandatory (the composite is Conditional, but if the composite is used, the field within is Mandatory)
  N = Not Used

Additional optionality requirements specified by the ONC MU Certification and Standards rule are labeled with the code RMU.

With only two exceptions, the inspection test guide only requires evaluation of the fields marked "M – Mandatory" in SCRIPT v8.1. Other fields marked "C- Conditional" may be required for specific trading partner agreements, however, those requirements are not specified in the FR and shall not be evaluated. The two exceptions are labeled with the optionality code RMU, indicating that the field must be conformant for meaningful use testing

How to interpret the conformance statements
  • Shall be present - the segment shall be present in the message.
  • Shall contain value – the field shall contain either the literal value identified in the conformance statement, or the logical value as described in the conformance statement.
  • Shall be populated – the field shall be populated with a value; however no specific value has been identified. These fields may be subject to specific constraints based on trading partner agreements, however, per SCRIPT v8.1, there are multiple values which may be applicable.

Many of the required data content values will be evaluated for conformance by the Tester based on the test data used during the test, such as prescription information, patient information, prescriber information and pharmacy information. The Tester shall record (document) the test data used during the test.

NCPDP has provided the following guidance on how the medications vocabulary should be evaluated for conformance within the NCPDP SCRIPT NEWRX message:

RxNorm is the preferred vocabulary for testing, although the other source vocabularies may be used for testing. RxNorm is not required at this time. The 2013 directional guidance from ONC is to move to the use of RxNorm and remove the other vocabularies for meaningful use for testing purposes.

RxNorm qualifier values do not exist in SCRIPT 8.1 and SCRIPT 10.6. Qualifiers were adopted in a more recent version of SCRIPT, after industry pilots were completed. The values below were adopted and for testing purposes are to be used.
- *SCD - RxNorm Semantic Clinical Drug (SCD)*
- *SBD - RxNorm Semantic Branded Drug (SBD)*
- *GPK - RxNorm Generic Package (GPCK)*
- *BPK - RxNorm Branded Package (BPCK)*

The following are not within the NCPDP table of values and therefore not to be used in the testing of a NewRx:
- *MMX - Micromedex DRUGDEX*
- *MSH - Medical Subject Headings (MeSH)*
- *MTHFDA - FDA National Drug Code Directory*
- *MTHSPL - FDA Structured Product Labels*
- *NDFRT - Veterans Health Administration National Drug File - Reference Terminology*
- *SNOMED CT - SNOMED Clinical Terms (drug information)*
- *VANDF - Veterans Health Administration National Drug File*

*The value of Blank (Not Specified) in the NCPDP **External Code List** table for Ø1Ø lØ13 Ø9 1153 Reference Qualifier is not allowed to be exchanged in the tests.*

NCPDP SCRIPT NEWRX - Message Segment Conformance Assessment

Tester shall verify that specific segments of the NEWRX message are present in the test message as defined below in Table 1.

Table 1: NEWRX Message Segments Conformance Statements

SCRIPT v8.1 NEWRX Message Segment	NewRx Required	MU Conformance Statements	XPath Statement
UNA – Service String Advice	Y	Segment shall be present in the NEWRX message	No equivalent in XML
UIB – Interactive Interchange Control Header	Y	Segment shall be present in the NEWRX message	No equivalent in XML
UIH – Interactive Message Header	Y	Segment shall be present in the NEWRX message	No equivalent in XML
REQ – Request Segment	N	Not evaluated for conformance	No equivalent in XML
PVD – Prescriber Segment	Y	Segment containing Prescriber information shall be present in the NEWRX message	/Prescriber
PVD – Pharmacy Segment	N/RMU	Segment containing Pharmacy information shall be present in the NEWRX message	/Pharmacy
PTT – Patient Segment	Y	Segment shall be present in the NEWRX message	/Patient

SCRIPT v8.1 NEWRX Message Segment	NewRx Required	MU Conformance Statements	XPath Statement
DRU – Drug Segment	Y	Segment shall be present in the NEWRX message	/MedicationPrescribed
OBS – Observation Segment	N	Not evaluated for conformance	
COO – Coordination of Benefits Segment	N	Not evaluated for conformance	
UIT – Interactive Message Trailer	Y	Segment shall be present in the NEWRX message	No equivalent in XML
UIZ – Interactive Exchange Trailer	Y	Segment shall be present in the NEWRX message	No equivalent in XML

NCPDP SCRIPT NEWRX Message - UNA Field-level Conformance Assessment

Tester shall verify that specific fields in the UNA Segment of the NEWRX message meet the conformance statements listed in Table 2.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 8.1 for Field Locations, Definitions and Usage in the NEWRX/UNA Segment. Delimiters shall be identified in the UNA fields, however, per SCRIPT 8.1, the delimiter values listed below are recommended, not required, and subject to revision by trading partner agreements.

Table 2: NEWRX/UNA Field-level Conformance Statements

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13 Segment code	M	Shall contain value = UNA	No equivalent in XML
Ø1Ø-Ø1Component Data Element Separator	M	Shall be populated; May contain value = 28 (1C)	No equivalent in XML
Ø1Ø-Ø2 Data Element Separator	M	Shall be populated; May contain value = 29 (1D)	No equivalent in XML
Ø1Ø-Ø3 Decimal Notation	M	Shall be populated; May contain value = 46 (2E)	No equivalent in XML
Ø1Ø-Ø4 Release Indicator	M	Shall be populated; May contain value = 32 (20)	No equivalent in XML
Ø1Ø-Ø5 Repetition Separator	M	Shall be populated; May contain value = 31 (1F)	No equivalent in XML
Ø1Ø-Ø6 Segment Separator	M	Shall be populated; May contain value = 30 (1E)	No equivalent in XML

NCPDP SCRIPT NEWRX Message – UIB Field-level Conformance Assessment

Tester shall verify that specific fields in the UIB Segment of the NEWRX message meet the conformance statements listed in Table 3.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 8.1 for Field Locations, Definitions and Usage in the NEWRX/UIB Segment.

Table 3: NEWRX/UIB Field-level Conformance Statements

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13 Segment Code	M	Shall contain value = UIB	No equivalent in XML
Ø1Ø-SØØ1-Ø1-ØØØ1 Syntax identifier	M	Shall contain value = UNOA	No equivalent in XML
Ø1Ø-SØØ1-Ø2-ØØØ2 Syntax version number	M	Shall contain value = 0	No equivalent in XML
Ø3Ø-S3Ø3-Ø1-Ø3Ø6 Transaction control reference	M	Shall be populated with a transaction control reference number provided by the sender	/Message/Header/MessageID
Ø3Ø-S3Ø3-Ø2-Ø3Ø3 Initiator reference identifier	C	Not evaluated for conformance	
Ø3Ø-S3Ø3-Ø3-ØØ51 Controlling agency, coded	C	Not evaluated for conformance	
Ø6Ø-SØØ2-Ø1-ØØØ4 Interchange Sender - Sender identification - level one	M	Shall contain an identifier representing the prescriber	/Message/Header/From
Ø6Ø-SØØ2-Ø2-ØØØ7 Level one identification code qualifier	M	Shall contain value = D or C	/Message/Header/From@Qualifier = "D" or "C"
Ø6Ø-SØØ2-Ø3-ØØØ8 Sender identification - level two	C	Not evaluated for conformance	
Ø6Ø-SØØ2-Ø4-ØØ4Ø Sender identification - level three	C	Not evaluated for conformance	
Ø7Ø-SØØ3-Ø1-ØØ1Ø Interchange Recipient - Recipient ID - level one	M	Shall contain an identifier representing the pharmacy	/Message/Header/To
Ø7Ø-SØØ3-Ø2-ØØØ7 Level one identification code qualifier	M	Shall contain value = P	/Message/Header/To@Qualifier = "P"
Ø7Ø-SØØ3-Ø3-ØØ14 Interchange Recipient - Recipient ID – level two	C	Not evaluated for conformance	
Ø7Ø-SØØ3-Ø4-ØØ44 Interchange Recipient - Recipient ID - level three	C	Not evaluated for conformance	
Ø8Ø-S3ØØ-Ø1-ØØ17 Date of initiation	C	Not evaluated for conformance	
Ø8Ø-S3ØØ-Ø2-Ø114 Event Time	C	Not evaluated for conformance	
1ØØ-ØØ35 Test Indicator	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message – UIH Field-level Conformance Assessment

Tester shall verify that specific fields in the UIH Segment of the NEWRX message meet the conformance statements listed in Table 4.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 8.1 for Field Locations, Definitions and Usage in the NEWRX/UIH Segment.

Table 4: NEWRX/UIH Field-level Conformance Statements

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13 Segment code	M	Shall contain value = UIH	No equivalent in XML
Ø1Ø-S3Ø6-Ø1-Ø329 Message type	M	Shall contain value = SCRIPT	No equivalent in XML
Ø1Ø-S3Ø6-Ø2-Ø316 Message version number	M	Shall contain value = 008	/Version
Ø1Ø-S3Ø6-Ø3-Ø318 Message release number	M	Shall contain value = 001	/Release
Ø1Ø-S3Ø6-Ø4-Ø326 Message function	M	Shall contain value = NEWRX	No equivalent in XML
Ø1Ø-S3Ø6-Ø6-ØØ57 Association assigned code	C	Not evaluated for conformance	
Ø2Ø-ØØ62 Message Reference Number	C	Not evaluated for conformance	
Ø3Ø-SØ32-Ø1-Ø3ØØ Dialogue Reference - Initiator control reference	CM	Not evaluated for conformance	
Ø3Ø-SØ32-Ø2-Ø3Ø3 Initiator reference identifier	C	Not evaluated for conformance	
Ø3Ø-SØ32-Ø3-ØØ51 Controlling Agency, Coded	C	Not evaluated for conformance	
Ø3Ø-SØ32-Ø4-Ø3Ø4 Responder control reference	C	Not evaluated for conformance	
Ø5Ø-S3ØØ-Ø1-ØØ17 Date of initiation	C	Not evaluated for conformance	
Ø5Ø-S3ØØ-Ø2-Ø314 Event time	C	Not evaluated for conformance	
Ø6Ø-ØØ35 Test Indicator	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message – PVD - Prescriber Field-level Conformance Assessment

Tester shall verify that specific fields in the PVD Segment of the NEWRX message, when used to identify the Prescriber, meet the conformance statements listed in Table 5.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 8.1 for Field Locations, Definitions and Usage in the NEWRX/PVD Segment.

Table 5: NEWRX/PVD-Prescriber Field-level Conformance Statements

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13 Segment code	M	Shall contain value = PVD	/Prescriber
Ø1Ø-47Ø5 Provider Coded	M	Shall contain value = PC	No equivalent in XML
Ø2Ø-IØØ1-Ø1-1154 Reference Number	M	Shall be populated with a reference number representing the prescriber	/Prescriber/Identification
Ø2Ø-IØØ1-Ø2-1153 Reference Qualifier	M	Shall be populated with the appropriate reference qualifier value for the entry in Ø2Ø-IØØ1-Ø1-1154	No equivalent in XML
Ø4Ø-IØØ7-Ø1-47Ø9 Agency Qualifier, coded	CM	Not evaluated for conformance	
Ø4Ø-IØØ7-Ø2-47Ø7 Provider Specialty, coded	CM	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø1-3Ø36 Party Name	M	Shall contain last name of the prescriber	/Prescriber/LastName
Ø5Ø- IØØ2-Ø2-37Ø2 First Name	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø3- 37Ø4 Middle Name	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø4-37Ø6 Name Suffix	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø5-37Ø8 Name Prefix	C	Not evaluated for conformance	
Ø7Ø-3Ø36 Party Name	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø1-3Ø42 Street and Number/P.O. Box	M	Shall contain street number and name associated with the prescriber	/Prescriber/Address/AddressLine 1
Ø8Ø-IØØ4-Ø2-3164 City Name	M	Shall contain city name associated with the prescriber	/Prescriber/Address/City
Ø8Ø-IØØ4-Ø3-3229 Country Sub-entity identification	M	Shall contain the State name associated with the prescriber	/Prescriber/Address/State
Ø8Ø-IØØ4-Ø4-3251 Postcode Identification	M	Shall contain the zip code associated with the prescriber	/Prescriber/Address/City/ZipCode
Ø8Ø-IØØ4-Ø5-3227 Place/Location Qualifier	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø6-3224 Place/Location	C	Not evaluated for conformance	
Ø9Ø-IØ16-Ø1-3148 Communication Number	M	Shall contain a contact number for the prescriber	/Prescriber/PhoneNumbers/Phone/Number
Ø9Ø-IØ16-Ø2-1131 Code List Qualifier	M	Shall be populated with appropriate code list qualifier value based on type of communication number provided in Ø9Ø-IØ16-Ø1-3148	/Prescriber/PhoneNumbers/Phone/Qualifier

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
1ØØ-IØØ2-Ø1-3Ø36 Party Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø2-37Ø2 First Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø3-37Ø4 Middle Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø4-37Ø6 Name Suffix	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø5- 37Ø8 Name Prefix	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message – PVD - Pharmacy Field-level Conformance Assessment
Tester shall verify that specific fields in the PVD Segment of the NEWRX message, when used to identify the Pharmacy, meet the conformance statements listed in Table 6.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 8.1 for Field Locations, Definitions and Usage in the NEWRX/PVD Segment.

Table 6: NEWRX/PVD-Pharmacy Field-level Conformance Statements

SCRIPT v8.1 Field Number and Name	NEWRX Optionality Requirements for MU	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13 Segment code	M	Shall contain value = PVD	/Pharmacy
Ø1Ø-47Ø5 Provider Coded	M	Shall contain value = P2	No equivalent in XML
Ø2Ø-IØØ1-Ø1-1154 Reference Number	M	Shall be populated with a reference number representing the pharmacy	/Pharmacy/Identification
Ø2Ø-IØØ1-Ø2-1153 Reference Qualifier	M	Shall be populated with the appropriate reference qualifier for the value in Ø2Ø-IØØ1-Ø1-1154	No equivalent in XML
Ø4Ø-IØØ7-Ø1-47Ø9 Agency Qualifier, coded	CM	Not evaluated for conformance	
Ø4Ø-IØØ7-Ø2-47Ø7 Provider Specialty, coded	CM	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø1-3Ø36 Party Name	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø2-37Ø2 First Name	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø3- 37Ø4 Middle Name	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø4-37Ø6 Name Suffix	C	Not evaluated for conformance	

SCRIPT v8.1 Field Number and Name	NEWRX Optionality Requirements for MU	MU Conformance Statements	XPath Statement
Ø5Ø- IØØ2-Ø5-37Ø8 Name Prefix	C	Not evaluated for conformance	
Ø7Ø-3Ø36 Party Name	M	Shall be populated with the name of the pharmacy	/Pharmacy/StoreName
Ø8Ø-IØØ4-Ø1-3Ø42 Street and Number/P.O. Box	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø2-3164 City Name	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø3-3229 Country Sub-entity identification	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø4-3251 Postcode Identification	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø5-3227 Place/Location Qualifier	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø6-3224 Place/Location	C	Not evaluated for conformance	
Ø9Ø-IØ16-Ø1-3148 Communication Number	M	Shall contain a contact number for the pharmacy	/Pharmacy/PhoneNumbers/Phone/Number
Ø9Ø-IØ16-Ø2-1131 Code List Qualifier	M	Shall be populated with appropriate code list value based on type of communication number provided in Ø9Ø-IØ16-Ø1-3148	/Pharmacy/PhoneNumbers/Phone/Qualifier
1ØØ-IØØ2-Ø1-3Ø36 Party Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø2-37Ø2 First Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø3-37Ø4 Middle Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø4-37Ø6 Name Suffix	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø5- 37Ø8 Name Prefix	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message – PTT - Patient Field-level Conformance Assessment
Tester shall verify that specific fields in the PTT Segment of the NEWRX message, when used to identify the Pharmacy, meet the conformance statements listed in Table 7.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 8.1 for Field Locations, Definitions and Usage in the NEWRX/PTT Segment.

Table 7: NEWRX/PTT-Patient Field-level Conformance Statements

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13 Segment code	M	Shall contain value = PTT	/Patient
Ø1Ø-97Ø1 Individual Relationship, coded	C	Not evaluated for conformance	
Ø2Ø-27ØØ Century Date	C	Not evaluated for conformance	
Ø3Ø-IØØ2-Ø1-3Ø36 Party Name	M	Shall contain the last name of the patient	/Patient/LastName
Ø3Ø- IØØ2-Ø2-37Ø2 First Name	M	Shall contain the first name of the patient	/Patient/FirstName
Ø3Ø- IØØ2-Ø3-37Ø4 Middle Name	C	Not evaluated for conformance	
Ø3Ø- IØØ2-Ø4-37Ø6 Name Suffix	C	Not evaluated for conformance	
Ø3Ø- IØØ2-Ø5-37Ø8 Name Prefix	C	Not evaluated for conformance	
Ø4Ø-97Ø3 Gender, coded	M	Shall contain a value appropriate for patient	/Patient/Gender
Ø5Ø-IØØ1-Ø1-1154 Reference Number	CM	Not evaluated for conformance	
Ø5Ø-IØØ1-Ø2-1153 Reference Qualifier	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø1-3Ø42 Street and Number/P.O. Box	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø2-3164 City Name	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø3-3229 Country Sub-entity identification	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø4-3251 Postcode Identification	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø5-3227 Place/Location Qualifier	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø6-3224 Place/Location	C	Not evaluated for conformance	
Ø7Ø-IØ16-Ø1-3148 Communication Number	C	Not evaluated for conformance	
Ø7Ø-IØ16-Ø2-1131 Code List Qualifier	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message - DRU Field-level Conformance Assessment

Tester shall verify that specific fields in the DRU Segment of the NEWRX message meet the conformance statements listed in Table 8.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 8.1 for Field Locations, Definitions and Usage in the NEWRX/DRU Segment.

Table 8: NEWRX/DRU Field-level Conformance Statements

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ SØ19 Ø1 ØØ13 Segment code	M	Shall contain value = DRU	/MedicationPrescribed
Ø1Ø IØ13 Ø1 7ØØ9 Item Description Identification	M	Shall contain value = P	No equivalent in XML
Ø1Ø IØ13 Ø2 7ØØ8 Item Description	M	Shall contain full drug name, strength and form. May be abbreviated. Fields Ø1Ø IØ13 1Ø 7ØØ8, Ø1Ø IØ13 11 7ØØ8 and Ø1Ø IØ13 12 7ØØ8 can be used as overflow fields.	/MedicationPrescribed/DrugDescription
Ø1Ø IØ13 Ø3 714Ø Item Number	C	Not evaluated for conformance	
Ø1Ø IØ13 Ø4 3Ø55 Code List Responsibility Agency	C	Not evaluated for conformance	
Ø1Ø IØ13 Ø5 1131 Code List Qualifier	C	Not evaluated for conformance	
Ø1Ø IØ13 Ø6 444Ø Free Text	C	Not evaluated for conformance	
Ø1Ø IØ13 Ø7 1131 Code List Qualifier	C	Not evaluated for conformance	
Ø1Ø IØ13 Ø8 1154 Reference Number	C/RMU	Shall contain the appropriate medications vocabulary value for the prescribed medication, as determined by the medications source vocabulary implemented within the EHR. The medications source vocabulary implemented within the EHR shall be a vocabulary which has been identified by the National Library of Medicine as contained within RxNorm. As of 6/17/2010 NLM has identified the following vocabularies: GS - Gold Standard Alchemy MDDB - Medi-Span Master Drug Data Base MMSL - Multum MediSource Lexicon MMX - Micromedex DRUGDEX MSH - Medical Subject Headings (MeSH) MTHFDA - FDA National Drug Code Directory MTHSPL - FDA Structured Product Labels NDDF - First DataBank NDDF Plus Source Vocabulary NDFRT - Veterans Health	/MedicationPrescribed/DrugDBCode

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
		Administration National Drug File - Reference Terminology SNOMED CT - SNOMED Clinical Terms (drug information) VANDF - Veterans Health Administration National Drug File Refer to the NCPDP guidance in the introductory section of Appendix A for an explanation of how to evaluate this entry for conformance.	
Ø1Ø IØ13 Ø9 1153 Reference Qualifier	C/RMU	Shall contain the appropriate coded responsible organization identifier for the medications source vocabulary implemented within the EHR. The Tester is responsible for identifying the appropriate SCRIPT reference qualifier value for the medications vocabulary implemented in the EHR. Refer to the NCPDP guidance in the introductory section of Appendix A for an explanation of how to evaluate this entry for conformance. . •	/MedicationPrescribed/DrugDBCodeQualifier
Ø1Ø IØ13 1Ø 7ØØ8 Item Description	C	Overflow field - Evaluate only if the character length of drug name, strength and form exceed the field size for Ø1Ø IØ13 Ø2 7ØØ8 Item Description	
Ø1Ø IØ13 11 7ØØ8 Item Description	C	Overflow field - Evaluate only if the character length of drug name, strength and form exceed the field size for Ø1Ø IØ13 Ø2 7ØØ8 Item Description	
Ø1Ø IØ13 12 7ØØ8 Item Description	C	Overflow field - Evaluate only if the character length of drug name, strength and form exceed the field size for Ø1Ø IØ13 Ø2 7ØØ8 Item Description	
Ø2Ø IØØ9 Ø1 6Ø63 Quantity Qualifier	M	Shall contain the appropriate units of measure quantity qualifier for the prescribed quantity in Ø2Ø IØØ9 Ø2	/MedicationPrescribed/Quantity/Qualifier

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
		6Ø6Ø	
Ø2Ø IØØ9 Ø2 6Ø6Ø Quantity	M	Shall contain the prescribed quantity	/MedicationPrescribed/Quantity
Ø2Ø IØØ9 Ø3 1131 Code List Qualifier	M	Shall contain value = 38	/MedicationPrescribed/Quantity/ CodeListQualifier
Ø3Ø IØ14 Ø1 Dosage Identification	C	Not evaluated for conformance	
Ø3Ø IØ14 Ø2 Dosage	M	Shall contain the SIG instructions as written by the prescriber	/MedicationPrescribed/Directions
Ø3Ø IØ14 Ø3 Dosage	C	Overflow field – evaluate only if the SIG overflows field Ø3Ø IØ14 Ø2	
Ø4Ø IØØ6 Ø1 2ØØ5 Date/Time Period Qualifier	M	One repetition shall contain value = 85	/MedicationPrescribed/WrittenDate
Ø4Ø IØØ6 Ø2 238Ø Date/Time/Period	M	When value = 85 in field Ø4Ø IØØ6 Ø1 2ØØ5, this field shall contain the date/time of the prescription.	No equivalent in XML
Ø4Ø IØØ6 Ø3 2379 Date/Time/Period Format Qualifier	M	When value = 85 in field Ø4Ø IØØ6 Ø1 2ØØ5, this field shall contain the appropriate date/time format designator	No equivalent in XML
Ø5Ø 4457 Product/Service Substitution, coded	C	Not evaluated for conformance	
Ø6Ø IØØ9 Ø1 6Ø63 Quantity Qualifier	M	One repetition of this field shall contain value = R	/MedicationPrescribed/Refills/Qu alifier
Ø6Ø IØØ9 Ø2 6Ø6Ø Quantity	CM	Shall contain the appropriate value based on the number of refills identified in the prescription, according to the following logic in the SCRIPT standard: "R" implies an Original Dispensing in addition to the Quantity specified in DRU Ø6Ø-IØØ9-Ø2-6Ø6Ø. Example: If DRU Ø6Ø-IØØ9-Ø1-6Ø63 = "R" and DRU Ø6Ø-IØØ9-Ø2-6Ø6Ø = 3, the prescriber is authorizing four dispensings. CM = Not required if PRN appears in Ø6Ø IØØ9 Ø1 6Ø63 Quantity Qualifier	/MedicationPrescribed/Refills/Qu antity
Ø7Ø IØ15 Ø1 681Ø Clinical Information Qualifier	CM	Not evaluated for conformance	

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
Ø7Ø IØ15 Ø2 6813 Clinical Information - primary	CM	Not evaluated for conformance	
Ø7Ø IØ15 Ø3 1131 Code List Qualifier	C	Not evaluated for conformance	
Ø7Ø IØ15 Ø4 6813 Clinical Information - secondary	C	Not evaluated for conformance	
Ø7Ø IØ15 Ø5 1131 Code List Qualifier	C	Not evaluated for conformance	
Ø8Ø IØØ1 Ø1 1154 Reference Number	CM	Not evaluated for conformance	
Ø8Ø IØØ1 Ø2 1153 Reference Qualifier	C	Not evaluated for conformance	
Ø9Ø 444Ø Free Text	C	Not evaluated for conformance	
1ØØ SØ18 Ø1 788Ø DUE Reason For Service Code	CM	Not evaluated for conformance	
1ØØ SØ18 Ø2 7881 DUE Professional Service Code	C	Not evaluated for conformance	
1ØØ SØ18 Ø3 7882 DUE Result Of Service Code	C	Not evaluated for conformance	
1ØØ SØ18 Ø4 7883 DUE Co-Agent ID	C	Not evaluated for conformance	
1ØØ SØ18 Ø5 7884 DUE Co-Agent ID Qualifier	C	Not evaluated for conformance	
11Ø 7885 Drug Coverage Status Code	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message - UIT Field-level Conformance Assessment

Tester shall verify that specific fields in the UIT Segment of the NEWRX message meet the conformance statements listed in Table 9.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 8.1 for Field Locations, Definitions and Usage in the NEWRX/UIT Segment.

Table 9: NEWRX/UIT Field-level Conformance Statements

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13Segment code	M	Shall contain value = UIT	No equivalent in XML
Ø1Ø-ØØ62 Message Reference Number	M	Shall contain value = value in field UIH 0062	No equivalent in XML

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
Ø2Ø-ØØ74 Number of Segments in Message	M	Shall contain value = count of the number of segments in the message including the UIH and UIT	No equivalent in XML

NCPDP SCRIPT NEWRX Message - UIZ Field-level Conformance Assessment

Tester shall verify that specific fields in the UIZ Segment of the NEWRX message meet the conformance statements listed in Table 10.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 8.1 for Field Locations, Definitions and Usage in the NEWRX/UIZ Segment.

Table 10: NEWRX/UIZ Field-level Conformance Statements

SCRIPT v8.1 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13Segment code	M	Shall contain value = UIZ	No equivalent in XML
Ø2Ø-ØØ36 Interchange Control Count	C	Not evaluated for conformance	No equivalent in XML

170.304(b) Inspection Test Guide for NCPDP SCRIPT v10.6

This inspection test guide defines the minimum conformance requirements for a new prescription message (NEWRX) generated by an EHR in accordance with the criteria and standards in the FR. The Tester shall evaluate the message according to the conformance requirements in each table of this inspection test guide. The Tester may conduct the evaluation by visually examining the message, or by applying an automated testing tool which has been verified as consistent with the conformance statements in this inspection test guide.   As applicable, the relevant xPath statements are included in the tables for evaluating conformance to the XML version of NCPDP SCRIPT v10.6

Optionality Designations

In SCRIPT v10.6 optionality at the segment level is expressed as Y/N. Optionality at the composite and field level is expressed as:

        M = Mandatory
        C = Conditional
        CM = Conditional Mandatory (the composite is Conditional, but if the composite is used, the field within is Mandatory)
        N = Not Used

Additional optionality requirements specified by the ONC MU Certification and Standards rule are labeled with the code RMU.

With only two exceptions, the inspection test guide only requires evaluation of the fields marked "M – Mandatory" in SCRIPT v10.6. The two exceptions are labeled with the optionality code RMU, indicating that the field must be conformant for meaningful use testing. Other fields marked "C - Conditional" may be required for specific trading partner agreements, however, those requirements are not specified in the FR and shall not be evaluated.

How to interpret the conformance statements

- Shall be present - the segment shall be present in the message.
- Shall contain value – the field shall contain either the literal value identified in the conformance statement, or the logical value as described in the conformance statement.
- Shall be populated – the field shall be populated with a value; however no specific value has been identified.   These fields may be subject to specific constraints based on trading partner agreements, however, per SCRIPT v10.6, there are multiple values which may be applicable.

 Many of the required data content values will be evaluated for conformance by the Tester based on the test data used during the test, such as prescription information, patient information, prescriber information and pharmacy information. The Tester shall record (document) the test data used during the test.

NCPDP has provided the following guidance on how the medications vocabulary should be evaluated for conformance within the NCPDP SCRIPT NEWRX message:

RxNorm is the preferred vocabulary for testing, although the other source vocabularies may be used for testing. RxNorm is not required at this time. The 2013 directional guidance from ONC is to move to the use of RxNorm and remove the other vocabularies for meaningful use for testing purposes.

RxNorm qualifier values do not exist in SCRIPT 8.1 and SCRIPT 10.6. Qualifiers were adopted in a more recent version of SCRIPT, after industry pilots were completed. The values below were adopted and for testing purposes are to be used.
- *SCD - RxNorm Semantic Clinical Drug (SCD)*
- *SBD - RxNorm Semantic Branded Drug (SBD)*
- *GPK - RxNorm Generic Package (GPCK)*
- *BPK - RxNorm Branded Package (BPCK)*

The following are not within the NCPDP table of values and therefore not to be used in the testing of a NewRx:
- *MMX - Micromedex DRUGDEX*
- *MSH - Medical Subject Headings (MeSH)*
- *MTHFDA - FDA National Drug Code Directory*
- *MTHSPL - FDA Structured Product Labels*
- *NDFRT - Veterans Health Administration National Drug File - Reference Terminology*
- *SNOMED CT - SNOMED Clinical Terms (drug information)*
- *VANDF - Veterans Health Administration National Drug File*

*The value of Blank (Not Specified) in the NCPDP **External Code List** table for Ø1Ø IØ13 Ø9 1153 Reference Qualifier is not allowed to be exchanged in the tests.*

NCPDP SCRIPT NEWRX - Message Segment Conformance Assessment

Tester shall verify that specific segments of the NEWRX message are present in the test message as defined below in Table 1.

Table 1: NEWRX Message Segments Conformance Statements

SCRIPT v10.6 NEWRX Message Segment	NEWRX Required	MU Conformance Statements	XPath Statement
UNA – Service String Advice	Y	Segment shall be present in the NEWRX message	No equivalent in XML
UIB – Interactive Interchange Control Header	Y	Segment shall be present in the NEWRX message	No equivalent in XML
UIH – Interactive Message Header	Y	Segment shall be present in the NEWRX message	No equivalent in XML
REQ – Request Segment	N	Not evaluated for conformance	
PVD – Prescriber Segment	Y	Segment containing Prescriber information shall be present in the NEWRX message	/Prescriber
PVD – Pharmacy Segment	N/RMU	Segment containing Pharmacy information shall be present in the NEWRX message	/Pharmacy
PTT – Patient Segment	Y	Segment shall be present in the NEWRX message	/Patient
DRU – Drug Segment	Y	Segment shall be present in the NEWRX message	/MedicationPrescribed
SIG – SIG Segment	N	Not evaluated for conformance	
OBS – Observation Segment	N	Not evaluated for conformance	
COO – Coordination of Benefits Segment	N	Not evaluated for conformance	
UIT – Interactive Message Trailer	Y	Segment shall be present in the NEWRX message	No equivalent in XML
UIZ – Interactive Exchange Trailer	Y	Segment shall be present in the NEWRX message	No equivalent in XML

NCPDP SCRIPT NEWRX Message - UNA Field-level Conformance Assessment

Tester shall verify that specific fields in the UNA segment of the NEWRX message meet the conformance statements listed in Table 2.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 10.6 for Field Locations, Definitions and Usage in the NEWRX/UNA Segment. Delimiters shall be identified in the UNA fields, however, per SCRIPT 10.6, the delimiter values listed below are recommended, not required, and subject to revision by trading partner agreements.

Table 2: NEWRX/UNA Field-level Conformance Statements

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	
ØØØ-SØ19-Ø1-ØØ13 Segment code	M	Shall contain value = UNA	No equivalent in XML
Ø1Ø-Ø1 Component Data Element Separator	M	Shall be populated; May contain value = 28 (1C)	No equivalent in XML

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	
Ø1Ø-Ø2 Data Element Separator	M	Shall be populated; May contain value = 29 (1D)	No equivalent in XML
Ø1Ø-Ø3 Decimal Notation	M	Shall be populated; May contain value = 46 (2E)	No equivalent in XML
Ø1Ø-Ø4 Release Indicator	M	Shall be populated; May contain value = 32 (20)	No equivalent in XML
Ø1Ø-Ø5 Repetition Separator	M	Shall be populated; May contain value = 31 (1F)	No equivalent in XML
Ø1Ø-Ø6 Segment Separator	M	Shall be populated; May contain value = 30 (1E)	No equivalent in XML

NCPDP SCRIPT NEWRX Message – UIB Field-level Conformance Assessment

Tester shall verify that specific fields in the UIB Segment of the NEWRX message meet the conformance statements listed in Table 3.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 10.6 for Field Locations, Definitions and Usage in the NEWRX/UIB Segment.

Table 3: NEWRX/UIB Field-level Conformance Statements

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13 Segment Code	M	Shall contain value = UIB	No equivalent in XML
Ø1Ø-SØØ1-Ø1-ØØØ1 Syntax identifier	M	Shall contain value = UNOA	No equivalent in XML
Ø1Ø-SØØ1-Ø2-ØØØ2 Syntax version number	M	Shall contain value = 0	No equivalent in XML
Ø3Ø-S3Ø3-Ø1-Ø3Ø6 Transaction control reference	M	Shall be populated with a transaction control reference number provided by the sender	/Message/Header/MessageID
Ø3Ø-S3Ø3-Ø2-Ø3Ø3 Initiator reference identifier	C	Not evaluated for conformance	
Ø3Ø-S3Ø3-Ø3-ØØ51 Controlling agency, coded	C	Not evaluated for conformance	
Ø6Ø-SØØ2-Ø1-ØØØ4 Interchange Sender - Sender identification - level one	M	Shall contain an identifier representing the prescriber	/Message/Header/From
Ø6Ø-SØØ2-Ø2-ØØØ7 Level one identification code qualifier	M	Shall contain value = D or C	/Message/Header/From@Qualifier = "D" or "C"
Ø6Ø-SØØ2-Ø3-ØØØ8 Sender identification - level two	C	Not evaluated for conformance	
Ø6Ø-SØØ2-Ø4-ØØ4Ø Sender identification - level three	C	Not evaluated for conformance	

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
Ø7Ø-SØØ3-Ø1-ØØ1Ø Interchange Recipient - Recipient ID - level one	M	Shall contain an identifier representing the pharmacy	/Message/Header/To
Ø7Ø-SØØ3-Ø2-ØØØ7 Level one identification code qualifier	M	Shall contain value = P	/Message/Header/To@Qualifier = "P"
Ø7Ø-SØØ3-Ø3-ØØ14 Interchange Recipient - Recipient ID – level two	C	Not evaluated for conformance	
Ø7Ø-SØØ3-Ø4-ØØ44 Interchange Recipient - Recipient ID - level three	C	Not evaluated for conformance	
Ø8Ø-S3ØØ-Ø1-ØØ17 Date of initiation	M	Shall contain the date of transmission	/Message/Header/SentTime
Ø8Ø-S3ØØ-Ø2-Ø114 Event Time	M	Shall contain the time of transmission	/Message/Header/SentTime
1ØØ-ØØ35 Test Indicator	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message – UIH Field-level Conformance Assessment

Tester shall verify that specific fields in the UIH Segment of the NEWRX message meet the conformance statements listed in Table 4.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 10.6 for Field Locations, Definitions and Usage in the NEWRX/UIH Segment.

Table 4: NEWRX/UIH Field-level Conformance Statements

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13 Segment code	M	Shall contain value = UIH	No equivalent in XML
Ø1Ø-S3Ø6-Ø1-Ø329 Message type	M	Shall contain value = SCRIPT	No equivalent in XML
Ø1Ø-S3Ø6-Ø2-Ø316 Message version number	M	Shall contain value = 010	/Version
Ø1Ø-S3Ø6-Ø3-Ø318 Message release number	M	Shall contain value = 006	/Release
Ø1Ø-S3Ø6-Ø4-Ø326 Message function	M	Shall contain value = NEWRX	No equivalent in XML
Ø1Ø-S3Ø6-Ø6-ØØ57 Association assigned code	C	Not evaluated for conformance	
Ø2Ø-ØØ62 Message Reference Number	C	Not evaluated for conformance	
Ø3Ø-SØ32-Ø1-Ø3ØØ Dialogue Reference - Initiator control reference	CM	Not evaluated for conformance	

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
Ø3Ø-SØ32-Ø2-Ø3Ø3 Initiator reference identifier	C	Not evaluated for conformance	
Ø3Ø-SØ32-Ø3-ØØ51 Controlling Agency, Coded	C	Not evaluated for conformance	
Ø3Ø-SØ32-Ø4-Ø3Ø4 Responder control reference	C	Not evaluated for conformance	
Ø5Ø-S3ØØ-Ø1-ØØ17 Date of initiation	C	Not evaluated for conformance	
Ø5Ø-S3ØØ-Ø2-Ø314 Event time	C	Not evaluated for conformance	
Ø6Ø-ØØ35 Test Indicator	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message – PVD - Prescriber Field-level Conformance Assessment

Tester shall verify that specific fields in the PVD Segment of the NEWRX message, when used to identify the Prescriber, meet the conformance statements listed in Table 5.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 10.6 for Field Locations, Definitions and Usage in the NEWRX/PVD Segment.

Table 5: NEWRX/PVD-Prescriber Field-level Conformance Statements

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13 Segment code	M	Shall contain value = PVD	/Prescriber
Ø1Ø-47Ø5 Provider Coded	M	Shall contain value = PC	No equivalent in XML
Ø2Ø-IØØ1-Ø1-1154 Reference Number	M	Shall be populated. If the prescriber has an NPI, one occurrence must contain the NPI. If the prescriber has a DEA number, one occurrence must contain the DEA Number.	/Prescriber/Identification
Ø2Ø-IØØ1-Ø2-1153 Reference Qualifier	M	Shall be populated. If the prescriber has an NPI, one occurrence must contain the value "HPI" (NPI). If the prescriber has a DEA number, one occurrence must contain the value "DH" (DEA Number).	No equivalent in XML
Ø4Ø-IØØ7-Ø1-47Ø9 Agency Qualifier, coded	CM	Not evaluated for conformance	
Ø4Ø-IØØ7-Ø2-47Ø7 Provider Specialty, coded	N	Not evaluated for conformance	
Ø4Ø-IØØ7-Ø3-799Ø Provider Specialty code	CM	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø1-3Ø36 Party Name	M	Shall contain last name of prescriber	/Prescriber/LastName

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	
Ø5Ø- IØØ2-Ø2-37Ø2 First Name	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø3- 37Ø4 Middle Name	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø4-37Ø6 Name Suffix	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø5-37Ø8 Name Prefix	C	Not evaluated for conformance	
Ø7Ø-3Ø36 Party Name	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø1-3Ø42 Street and Number/P.O. Box	M	Shall contain street number and name associated with the prescriber	/Prescriber/Address/AddressLine 1
Ø8Ø-IØØ4-Ø2-3164 City Name	M	Shall contain city name associated with the prescriber	/Prescriber/Address/City
Ø8Ø-IØØ4-Ø3-3229 Country Sub-entity identification	M	Shall contain the State name associated with the prescriber	/Prescriber/Address/State
Ø8Ø-IØØ4-Ø4-3251 Postcode Identification	M	Shall contain the zip code associated with the prescriber	/Prescriber/Address/City/ZipCode
Ø8Ø-IØØ4-Ø5-3227 Place/Location Qualifier	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø6-3224 Place/Location	C	Not evaluated for conformance	
Ø9Ø-IØ16-Ø1-3148 Communication Number	M	Shall contain a contact number for the prescriber	/Prescriber/PhoneNumbers/Phone/Number
Ø9Ø-IØ16-Ø2-1131 Code List Qualifier	M	Shall be populated with appropriate code list qualifier value based on type of communication number provided in Ø9Ø-IØ16-Ø1-3148	/Prescriber/PhoneNumbers/Phone/Qualifier
1ØØ-IØØ2-Ø1-3Ø36 Party Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø2-37Ø2 First Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø3-37Ø4 Middle Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø4-37Ø6 Name Suffix	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø5- 37Ø8 Name Prefix	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message – PVD - Pharmacy Field-level Conformance Assessment
Tester shall verify that specific fields in the PVD Segment of the NEWRX message, when used to identify the Pharmacy, meet the conformance statements listed in Table 6.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 10.6 for Field Locations, Definitions and Usage in the NEWRX/PVD Segment.

Table 6: NEWRX/PVD-Pharmacy Field-level Conformance Statements

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13 Segment code	M	Shall contain value = PVD	/Pharmacy
Ø1Ø-47Ø5 Provider Coded	M	Shall contain value = P2	No equivalent in XML
Ø2Ø-IØØ1-Ø1-1154 Reference Number	M	Shall be populated. One occurrence must contain the NCPDP Provider ID Number	/Pharmacy/Identification
Ø2Ø-IØØ1-Ø2-1153 Reference Qualifier	M	Shall be populated One occurrence must contain the value "D3" (NCPDP Provider ID Number).	No equivalent in XML
Ø4Ø-IØØ7-Ø1-47Ø9 Agency Qualifier, coded	CM	Not evaluated for conformance	
Ø4Ø-IØØ7-Ø2-47Ø7 Provider Specialty, coded	N	Not evaluated for conformance	
Ø4Ø-IØØ7-Ø3-799Ø Provider Specialty code	CM	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø1-3Ø36 Party Name	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø2-37Ø2 First Name	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø3- 37Ø4 Middle Name	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø4-37Ø6 Name Suffix	C	Not evaluated for conformance	
Ø5Ø- IØØ2-Ø5-37Ø8 Name Prefix	C	Not evaluated for conformance	
Ø7Ø-3Ø36 Party Name	M	Shall be populated with the name of the pharmacy	/Pharmacy/StoreName
Ø8Ø-IØØ4-Ø1-3Ø42 Street and Number/P.O. Box	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø2-3164 City Name	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø3-3229 Country Sub-entity identification	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø4-3251 Postcode Identification	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø5-3227 Place/Location Qualifier	C	Not evaluated for conformance	
Ø8Ø-IØØ4-Ø6-3224 Place/Location	C	Not evaluated for conformance	
Ø9Ø-IØ16-Ø1-3148 Communication Number	M	Shall contain a contact number for the pharmacy	/Pharmacy/PhoneNumbers/Phone/Number

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
Ø9Ø-IØ16-Ø2-1131 Code List Qualifier	M	Shall be populated with appropriate value based on type of communication number provided in Ø9Ø-IØ16-Ø1-3148	/Pharmacy/PhoneNumbers/Phone/Qualifier
1ØØ-IØØ2-Ø1-3Ø36 Party Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø2-37Ø2 First Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø3-37Ø4 Middle Name	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø4-37Ø6 Name Suffix	C	Not evaluated for conformance	
1ØØ- IØØ2-Ø5- 37Ø8 Name Prefix	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message – PTT - Patient Field-level Conformance Assessment

Tester shall verify that specific fields in the PTT Segment of the NEWRX message, when used to identify the Pharmacy, meet the conformance statements listed in Table 7. Refer to the NCPDP SCRIPT Standard Implementation Guide Version 10.6 for Field Locations, Definitions and Usage in the NEWRX/PTT Segment.

Table 7: NEWRX/PTT-Patient Field-level Conformance Statements

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13 Segment code	M	Shall contain value = PTT	/Patient
Ø1Ø-97Ø1 Individual Relationship, coded	C	Not evaluated for conformance	
Ø2Ø-27ØØ Century Date	C	Not evaluated for conformance	
Ø3Ø-IØØ2-Ø1-3Ø36 Party Name	M	Shall contain the last name of the patient	/Patient/LastName
Ø3Ø- IØØ2-Ø2-37Ø2 First Name	M	Shall contain the first name of the patient	/Patient/FirstName
Ø3Ø- IØØ2-Ø3-37Ø4 Middle Name	C	Not evaluated for conformance	
Ø3Ø- IØØ2-Ø4-37Ø6 Name Suffix	C	Not evaluated for conformance	
Ø3Ø- IØØ2-Ø5-37Ø8 Name Prefix	C	Not evaluated for conformance	
Ø4Ø-97Ø3 Gender, coded	M	Shall contain a value appropriate for patient	/Patient/Gender
Ø5Ø-IØØ1-Ø1-1154 Reference Number	CM	Not evaluated for conformance	

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
Ø5Ø-IØØ1-Ø2-1153 Reference Qualifier	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø1-3Ø42 Street and Number/P.O. Box	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø2-3164 City Name	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø3-3229 Country Sub-entity identification	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø4-3251 Postcode Identification	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø5-3227 Place/Location Qualifier	C	Not evaluated for conformance	
Ø6Ø-IØØ4-Ø6-3224 Place/Location	C	Not evaluated for conformance	
Ø7Ø-IØ16-Ø1-3148 Communication Number	C	Not evaluated for conformance	
Ø7Ø-IØ16-Ø2-1131 Code List Qualifier	C	Not evaluated for conformance	
Ø8Ø-SØ2Ø Location	C	Not evaluated for conformance	
Ø8Ø-SØ2Ø-Ø1-7888 Facility Unit	C	Not evaluated for conformance	
Ø8Ø-SØ2Ø-Ø2-7889 Room	C	Not evaluated for conformance	
Ø8Ø-SØ2Ø-Ø3-789Ø Bed	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message - DRU Field-level Conformance Assessment

Tester shall verify that specific fields in the DRU Segment of the NEWRX message meet the conformance statements listed in Table 8.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 10.6 for Field Locations, Definitions and Usage in the NEWRX/DRU Segment.

Table 8: NEWRX/DRU Field-level Conformance Statements

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ SØ19 Ø1 ØØ13 Segment code	M	Shall contain value = DRU	/MedicationPrescribed
Ø1Ø IØ13 Ø1 7ØØ9 Item Description Identification	M	Shall contain value = P	No equivalent in XML
Ø1Ø IØ13 Ø2 7ØØ8 Item Description	M	Shall contain full drug name, strength and form. May be abbreviated. Fields Ø1Ø IØ13 1Ø 7ØØ8, Ø1Ø IØ13 11 7ØØ8 and Ø1Ø IØ13 12 7ØØ8 can be used as overflow fields.	/MedicationPrescribed/DrugDescription

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
Ø1Ø IØ13 Ø3 714Ø Item Number	C	Not evaluated for conformance.	
Ø1Ø IØ13 Ø4 3Ø55 Code List Responsibility Agency	C	Not evaluated for conformance	
Ø1Ø IØ13 Ø5 1131 Code List Qualifier	N	Not evaluated for conformance	
Ø1Ø IØ13 Ø6 444Ø Free Text	C	Not evaluated for conformance	
Ø1Ø IØ13 Ø7 1131 Code List Qualifier	N	Not evaluated for conformance	

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement

Ø1Ø IØ13 Ø8 1154 Reference Number	C/RMU	Shall contain the appropriate medications vocabulary value for the prescribed medication, as determined by the medications source vocabulary implemented within the EHR. The medications source vocabulary implemented within the EHR shall be a vocabulary which has been identified by the National Library of Medicine as contained within RxNorm. As of 6/17/2010 NLM has identified the following vocabularies:
		
		    GS - Gold Standard Alchemy
		    MDDB - Medi-Span Master Drug Data Base
		    MMSL - Multum MediSource Lexicon
		    MMX - Micromedex DRUGDEX
		    MSH - Medical Subject Headings (MeSH)
		    MTHFDA - FDA National Drug Code Directory
		    MTHSPL - FDA Structured Product Labels
		    NDDF - First DataBank NDDF Plus Source Vocabulary
		    NDFRT - Veterans Health Administration National Drug File - Reference Terminology
		    SNOMED CT - SNOMED Clinical Terms (drug information)
		    VANDF - Veterans Health Administration National Drug File
		
		Refer to the NCPDP guidance in the introductory section of Appendix A for an explanation of how to evaluate this entry for conformance
			/MedicationPrescribed/DrugDBCode

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
Ø1Ø IØ13 Ø9 1153 Reference Qualifier	C/RMU	Shall contain the appropriate coded responsible organization identifier for the medications source vocabulary implemented within the EHR. The Tester is responsible for identifying the appropriate SCRIPT reference qualifier value for the medications vocabulary implemented in the EHR. • Refer to the NCPDP guidance in the introductory section of Appendix A for an explanation of how to evaluate this entry for conformance	/MedicationPrescribed/DrugDBCodeQualifier
Ø1Ø IØ13 1Ø 7ØØ8 Item Description	C	Overflow field - Evaluate only if the character length of drug name, strength and form exceed the field size for Ø1Ø IØ13 Ø2 7ØØ8 Item Description	
Ø1Ø IØ13 11 7ØØ8 Item Description	C	Overflow field - Evaluate only if the character length of drug name, strength and form exceed the field size for Ø1Ø IØ13 Ø2 7ØØ8 Item Description	
Ø1Ø IØ13 12 7ØØ8 Item Description	C	Overflow field - Evaluate only if the character length of drug name, strength and form exceed the field size for Ø1Ø IØ13 Ø2 7ØØ8 Item Description	
Ø1Ø-IØ13-13-7991 Source Code List	C	Not evaluated for conformance	
Ø1Ø-IØ13-14-7992 Item Form Code	C	Not evaluated for conformance	
Ø1Ø-IØ13-15-7991 Source Code List	C	Not evaluated for conformance	
Ø1Ø-IØ13-16-7993 Item Strength Code	C	Not evaluated for conformance	
Ø1Ø-IØ13-17-7996 DEA Schedule	C	Not evaluated for conformance	
Ø2Ø IØØ9 Ø1 6Ø63 Quantity Qualifier	N	Not evaluated for conformance	/MedicationPrescribed/Quantity/Qualifier
Ø2Ø IØØ9 Ø2 6Ø6Ø Quantity	M	Shall contain the prescribed quantity	/MedicationPrescribed/Quantity
Ø2Ø IØØ9 Ø3 1131 Code List Qualifier	M	Shall contain value = 38	/MedicationPrescribed/Quantity/CodeListQualifier

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
Ø2Ø-IØØ9-Ø4-7991 Source Code List	M	Shall contain the applicable code identifying the source organization for the Potency Unit Code in field Ø2Ø-IØØ9-Ø5-7994. The Tester shall determine the appropriate coded value for this field based on the allowable codes for SCRIPT field 7991. Value "AC".	/MedicationPrescribed/Quantity/ UnitSourceCode
Ø2Ø-IØØ9-Ø5-7994 Potency Unit Code	M	Shall contain the applicable units of measure for field Ø2Ø IØØ9 Ø2 6Ø6Ø. The Tester shall determine the appropriate coded value for this field based on the allowable codes for SCRIPT field 7994.	/MedicationPrescribed/Quantity/ PotencyUnitCode
Ø3Ø IØ14 Ø1 Dosage Identification	C	Not evaluated for conformance	
Ø3Ø IØ14 Ø2 Dosage	M	Shall contain the SIG instructions as written by the prescriber	/MedicationPrescribed/Directions
Ø3Ø IØ14 Ø3 Dosage	C	Overflow field – evaluate only if the SIG overflows field Ø3Ø IØ14 Ø2	
Ø4Ø IØØ6 Ø1 2ØØ5 Date/Time Period Qualifier	M	One repetition shall contain value = 85	/MedicationPrescribed/WrittenDa te
Ø4Ø IØØ6 Ø2 238Ø Date/Time/Period	M	When value = 85 in field Ø4Ø IØØ6 Ø1 2ØØ5, this field shall contain the date/time of the prescription.	No equivalent in XML
Ø4Ø IØØ6 Ø3 2379 Date/Time/Period Format Qualifier	M	When value = 85 in field Ø4Ø IØØ6 Ø1 2ØØ5, this field shall contain the date/time format designator	No equivalent in XML
Ø5Ø 4457 Product/Service Substitution, coded	C	Not evaluated for conformance	
Ø6Ø IØØ9 Ø1 6Ø63 Quantity Qualifier	M	One repetition of this field shall contain value = R	/MedicationPrescribed/Refills/Qu alifier

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
Ø6Ø IØØ9 Ø2 6Ø6Ø Quantity	CM	Shall contain the appropriate value based on the number of refills identified in the prescription, according to the following logic in the SCRIPT standard: "R" implies an Original Dispensing in addition to the Quantity specified in DRU Ø6Ø-IØØ9-Ø2-6Ø6Ø. Example: If DRU Ø6Ø-IØØ9-Ø1-6Ø63 = "R" and DRU Ø6Ø-IØØ9-Ø2-6Ø6Ø = 3, the prescriber is authorizing four dispensings. CM = Not required if PRN appears in Ø6Ø IØØ9 Ø1 6Ø63 Quantity Qualifier	/MedicationPrescribed/Refills/Quantity
Ø7Ø IØ15 Ø1 681Ø Clinical Information Qualifier	CM	Not evaluated for conformance	
Ø7Ø IØ15 Ø2 6813 Clinical Information - primary	CM	Not evaluated for conformance	
Ø7Ø IØ15 Ø3 1131 Code List Qualifier	C	Not evaluated for conformance	
Ø7Ø IØ15 Ø4 6813 Clinical Information - secondary	C	Not evaluated for conformance	
Ø7Ø IØ15 Ø5 1131 Code List Qualifier	C	Not evaluated for conformance	
Ø8Ø IØØ1 Ø1 1154 Reference Number	CM	Not evaluated for conformance	
Ø8Ø IØØ1 Ø2 1153 Reference Qualifier	C	Not evaluated for conformance	
Ø9Ø 444Ø Free Text	C	Not evaluated for conformance	
1ØØ SØ18 Ø1 788Ø DUE Reason For Service Code	CM	Not evaluated for conformance	
1ØØ SØ18 Ø2 7881 DUE Professional Service Code	C	Not evaluated for conformance	
1ØØ SØ18 Ø3 7882 DUE Result Of Service Code	C	Not evaluated for conformance	
1ØØ SØ18 Ø4 7883 DUE Co-Agent ID	C	Not evaluated for conformance	
1ØØ SØ18 Ø5 7884 DUE Co-Agent ID Qualifier	C	Not evaluated for conformance	
1ØØ-SØ18-Ø6-7997 DUE Clinical Significance Code	C	Not evaluated for conformance	
1ØØ-SØ18-Ø7-7998 DUE Acknowledgement Reason	C	Not evaluated for conformance	

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
11Ø 7885 Drug Coverage Status Code	C	Not evaluated for conformance	
12Ø-7891 Prior Authorization Status	C	Not evaluated for conformance	
13Ø-7892 Do Not Fill/Profile Flag	C	Not evaluated for conformance	
14Ø-IØØ6-Ø1-2ØØ5 Date/Time/Period Qualifier	C	Not evaluated for conformance	
14Ø-IØØ6-Ø2-238Ø Date/Time/Period	C	Not evaluated for conformance	
14Ø-IØØ6-Ø3-2379 Date/Time/Period Format Qualifier	C	Not evaluated for conformance	
15Ø-EØ34-Ø1-2Ø29 Time Zone Identifier	CM	Not evaluated for conformance	
15Ø-EØ34-Ø2-2116 Time Zone Difference Quantity	CM	Not evaluated for conformance	
16Ø-7894 Needed No Later Than Reason	C	Not evaluated for conformance	

NCPDP SCRIPT NEWRX Message - UIT Field-level Conformance Assessment

Tester shall verify that specific fields in the UIT Segment of the NEWRX message meet the conformance statements listed in Table 9.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 10.6 for Field Locations, Definitions and Usage in the NEWRX/UIT Segment.

Table 9: NEWRX/UIT Field-level Conformance Statements

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13Segment code	M	Shall contain value = UIT	No equivalent in XML
Ø1Ø-ØØ62 Message Reference Number	M	Shall contain value = value in field UIH 0062.	No equivalent in XML
Ø2Ø-ØØ74 Number of Segments in Message	M	Shall contain value = count of the number of segments in the message including the UIH and UIT.	No equivalent in XML

NCPDP SCRIPT NEWRX Message - UIZ Field-level Conformance Assessment

Tester shall verify that specific fields in the UIZ Segment of the NEWRX message meet the conformance statements listed in Table 10.   Refer to the NCPDP SCRIPT Standard Implementation Guide Version 10.6 for Field Locations, Definitions and Usage in the NEWRX/UIZ Segment.

Table 10: NEWRX/UIZ Field-level Conformance Statements

SCRIPT v10.6 Field Number and Name	NEWRX Required	MU Conformance Statements	XPath Statement
ØØØ-SØ19-Ø1-ØØ13Segment code	M	Shall contain value = UIZ	No equivalent in XML
Ø2Ø-ØØ36 Interchange Control Count	C	Not evaluated for conformance	No equivalent in XML