

**California Department of Justice
CURES Information Exchange Web Service
Implementation Guide V 3.3**

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1 INTRODUCTION

1.1 PURPOSE

The purpose of this Implementation Guide is to provide a comprehensive set of instructions to allow integration of Controlled Substance Utilization Review and Evaluation System (CURES) information with qualified Health Information Technology (HIT) systems via the CURES Information Exchange Web service (IEWS).

2 SYSTEM OVERVIEW

2.1 SYSTEM BACKGROUND

The Controlled Substance Utilization Review and Evaluation System (CURES) is a database containing information about Schedule II, III, and IV controlled substances dispensed to patients, as reported by the dispensing pharmacy, clinic, or other dispenser pursuant to Health and Safety Code section 11165(d) or by prescribers, pursuant to Health and Safety Code section 11190(c) ("CURES data"). The CURES Program grants authorized health care practitioners and pharmacists access to query the CURES database to assist them in their efforts to ensure appropriate prescribing, ordering, administering, furnishing, and dispensing of controlled substances.

In accordance with Health and Safety Code 11165.1(a)(1)(F), the California Department of Justice (DOJ) has established a method of system integration whereby approved health care practitioners and pharmacists may use a qualified HIT system to access information in the CURES database. As a prerequisite to system integration, each entity that operates a HIT system must enter into a Memorandum of Understanding (MOU) with the California DOJ addressing the technical specifications of the system to ensure the security of CURES data in the CURES database and the secure transfer of CURES data from the CURES database.

2.2 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

The Definitions, Acronyms, and Abbreviations section lists terms used in the document.

TERM/ABBREVIATION	DESCRIPTION
API	Application Program Interface
CURES	Controlled Substance Utilization Review and Evaluation System
DEA	Drug Enforcement Administration
DOB	Date of Birth
DOJ	Department of Justice
HIT	Health Information Technology
HTTP	Hypertext Transfer Protocol

TERM/ABBREVIATION	DESCRIPTION
HTTPS	HTTPS is not, strictly, a separate protocol, as the data is still transferred using HTTP; however, instead of using plain text socket communication, the session data is encrypted using a version of the Secure Socket Layer (SSL)/Transport Layer Security (TLS) protocols, thus ensuring reasonable protection more than the HTTP
IP	Internet Protocol
MOU	Memorandum of Understanding
NCPDP	National Council for Prescription Drug Programs
PAR	Patient Activity Report
PDMP	Prescription Drug Monitoring Program
PKI	Public Key Infrastructure
REST	Representational state transfer
SSL	Secure Socket Layer
TLS	Transport Layer Security
XML	Extensible Markup Language

2.3 APPLICATION OVERVIEW

The CURES Program provides systems integration with the HIT community through RESTful web services. The following web service endpoints are available:

WEB SERVICE ENDPOINT	WEB SERVICE DESCRIPTION
SearchPatient	Searches for a patient for a given timeframe using partial or exact match modes. Searches can be executed for the past 24 months. However, searches are limited to 12 month increments.
GetPatientActivityReport	For HIT system that can support a picklist: the Patient Account Number(s) from the SearchPatient (RxHistoryResponse message) is used to obtain a patient activity report (PAR) via this endpoint.
CheckUserStatus	Retrieves the CURES user account status.
CheckEntityStatus	Retrieves the HIT system account status.

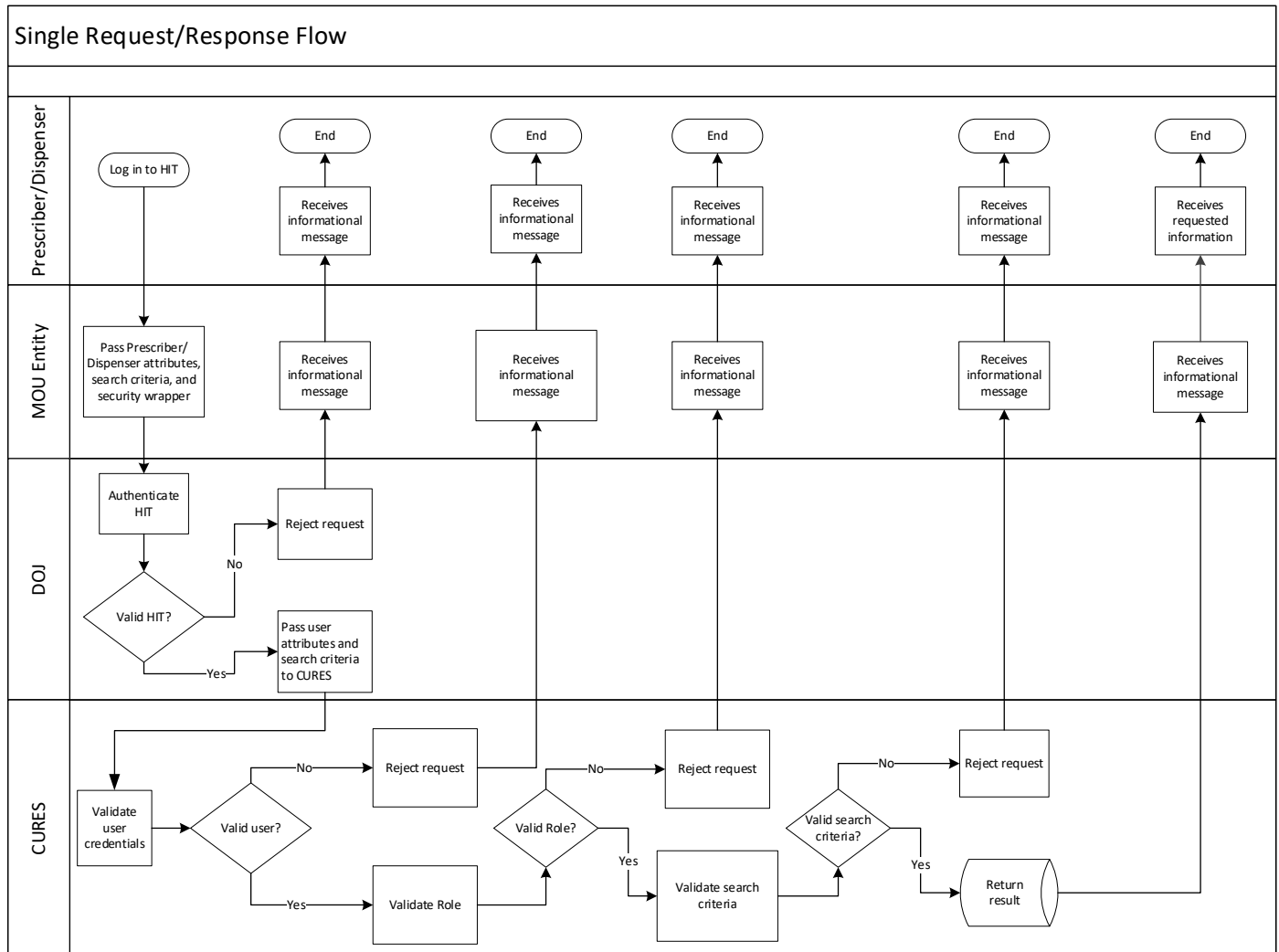
Information is exchanged using NCPDP SCRIPT 2017071 XML format. Some of the NCPDP SCRIPT 2017071 tags for the RxHistoryRequest and RxHistoryResponse XMLs are not applicable to CURES but require a value. Conversely, there are CURES data elements that cannot be mapped to an NCPDP SCRIPT 2017071 tag and are represented in nonconforming tags for the RxHistoryResponse XML.

Search Patient/Get Patient Activity Report

The CURES IEWS supports two patient search use cases:

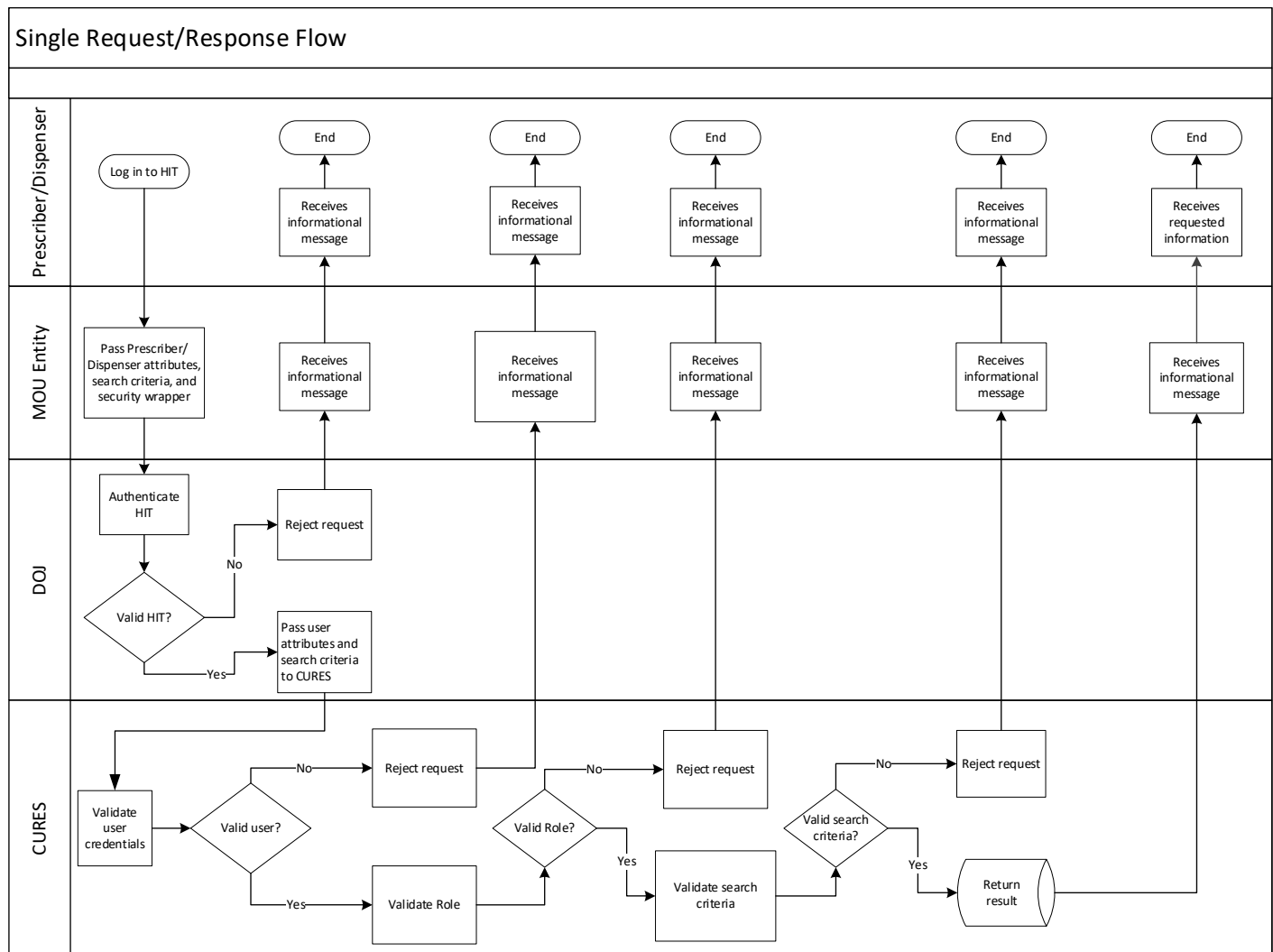
- *Query Use Case 1 – Single Request/Response*
 - Use Case 1 follows the NCPDP standard where every search patient request returns either no match or a single match. The result will be an error message stating there is no match, or will return all of the prescription history associated to the matched entity via a RxHistoryResponse message.

Figure 1 – Single Request/Response



- *Query Use Case 2 – Multiple Matches (Picklist)*
 - Use Case 2 supports multiple matches via a picklist. In this use case, a patient search returns multiple entities using the RxHistoryResponse message. The requesting entity would then send one or multiple single requests to retrieve the prescription history associated with the matched entity via the GetPatientActivityReport web service.
 - For HIT systems that cannot support this functionality, a response message redirecting the health care practitioner/pharmacist to the CURES web portal is returned.

Figure 2 – Multiple Request/Response



Account Status Check

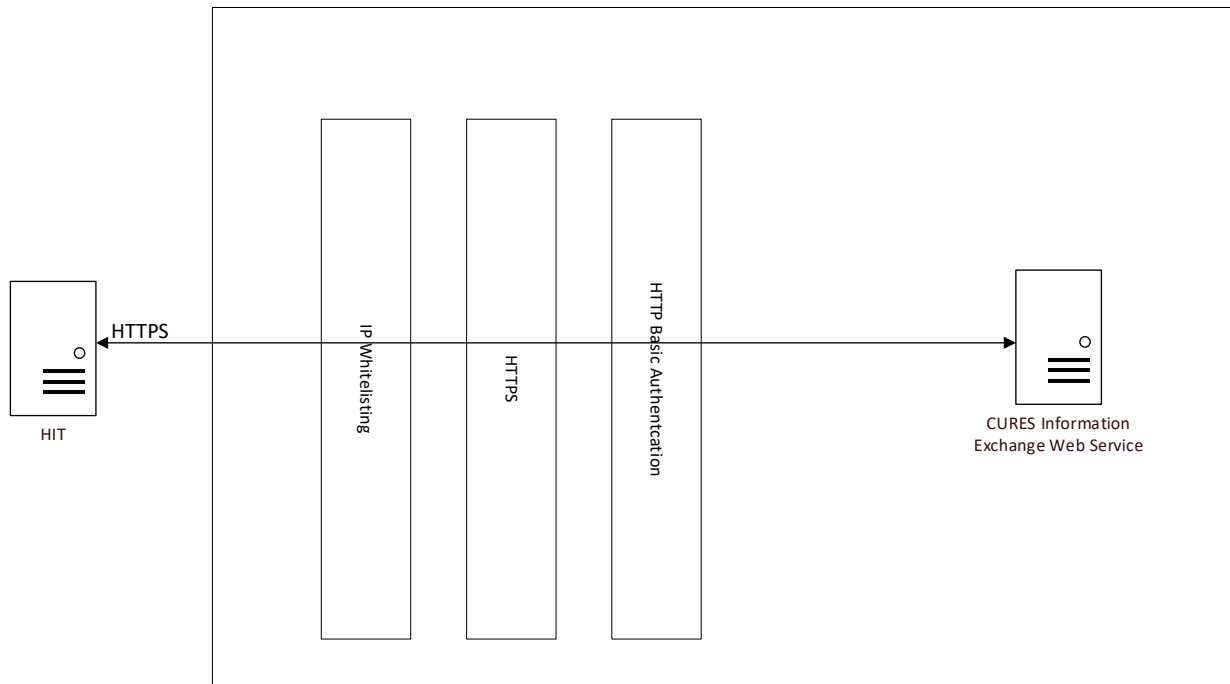
In addition to the query use cases, the CURES IEWS provides two web services to query for account status via a Verify message. The first allows HIT systems to query for the CURES user account status. The second allows HIT systems to query for their own account status. These services allow HIT systems to troubleshoot and alter process flows based on account status.

3 AUTHENTICATION

3.1 SECURITY LAYERS

The CURES IEWS has three layers of security. Each layer is built on top of the previous layer to ensure the secure exchange of information. Each REST endpoint is stateless, resulting in every request going through all three layers.

Figure 4 – Security Layers



1. Network Security

IP whitelisting ensures only enrolled HIT systems can communicate with the CURES IEWS.

2. Communication Security

Communication between the CURES IEWS and the HIT systems will be over the Internet. As a result, Transport Layer Security (TLS) is required to ensure secure communication between the CURES IEWS and HIT.

3. Access Security

After entering into a MOU with the DOJ, the entity operating the HIT system will be provisioned with a CURES IEWS account. Every RESTful web service request should be accompanied with the CURES IEWS credentials. Credentials are validated to ensure the account is valid and in good standing.

4 AUDITING

4.1 AUDIT DATA

The HIT system is required to provide the following details for every patient request:

1. User Data
 - a. The date of the query
 - b. The time of the query
 - c. Requesting entity operating the HIT system
 - d. The identification of the health care practitioner or pharmacist for whom the system is making the query
2. Required Query Data
 - a. Patient First Name
 - b. Patient Last Name
 - c. Patient Gender
 - d. Patient Date of Birth

The HIT system may provide the following optional data fields:

- a. Patient Street Address
- b. Patient City
- c. Patient State/Province
- d. Patient Postal Code

The CURES IEWS captures all of this information. The application also tracks patient searches and their associated PARs.

5 DATA MAPPING

The CURES IEWS uses the following mapping to transform data from CURES to the NCPDP request and response messages.

5.1 SEARCH PATIENT - REQUEST MAPPING OF CURES DATA TO NCPDP FORMAT

Section		CURES	NCPDP	Attribute	Required/Optional	
Message	Message	Message	SCRIPT.Message	DatatypesVersion="20170715" TransportVersion="20170715" TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715" TransactionDomain="SCRIPT"	Required	
	Header	Message Envelope	Recipient of the Message	SCRIPT.Message.Header.To	Qualifier="ZZZ"	Required
			HIT System Identifier	SCRIPT.Message.Header.From	Qualifier="ZZZ"	Required
			Unique MessageID	SCRIPT.Message.Header.MessageID		Required
			Sent Date/Time	SCRIPT.Message.Header.SentTime		Required
			User ID of the Requesting Entity	SCRIPT.Message.Header.Security.UsernameToken.Username		Required
			HIT System Hospital/Facility	SCRIPT.Message.Header.Security.Sender.SecondaryIdentification		Required
			Description of Facility (Emergency, ICU)	SCRIPT.Message.Header.Security.Sender.TertiaryIdentification		Optional
			Sender Software Developer	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareDeveloper		Required
			Sender Software Product	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareProduct		Required
			Sender Software Version Release	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareVersionRelease		Required
	Body	Benefits Coordination	Consent	SCRIPT.Message.Body.RxHistoryRequest.BenefitsCoordination.Consent [value = Y]		Required
		Patient	Last Name	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Name.LastName		Required
			First Name	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Name.FirstName		Required
			Gender – A value must be specified: U = Unspecified F = Female M = Male ***Exact match on gender if F or M is specified in search	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Gender [value = U, F, or M]		Required
DOB – YYYY-MM-DD			SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.DateOfBirth.Date		Required	
Address			SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Address.AddressLine1		Optional	

Section		CURES	NCPDP	Attribute	Required/Optional	
		City	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Address.City		Optional	
		State/Province – 2 character state/province abbreviation	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Address.StateProvince		Optional	
		Postal Code – 5 digit postal code	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Address.PostalCode		Optional	
	Requesting User	<i>Prescriber (Requesting User can be either Prescriber or Pharmacist)</i>				
		Prescriber DEA Number	SCRIPT.Message.Body.RxHistoryRequest.Prescriber.NonVeterinarian.Identification.DEANumber		Required if Prescriber	
		Prescriber NPI	SCRIPT.Message.Body.RxHistoryRequest.Prescriber.NonVeterinarian.Identification.NPI		Required if Prescriber	
		Prescriber Last Name	SCRIPT.Message.Body.RxHistoryRequest.Prescriber.NonVeterinarian.Name.LastName		Required if Prescriber	
		Prescriber First Name	SCRIPT.Message.Body.RxHistoryRequest.Prescriber.NonVeterinarian.Name.FirstName		Required if Prescriber	
		<i>Pharmacist (requesting user can be either Prescriber or Pharmacist)</i>				
		Pharmacist State License Number	SCRIPT.Message.Body.RxHistoryRequest.Pharmacy.Pharmacist.Identification.StateLicenseNumber		Required if Pharmacist	
		Pharmacist Last Name	SCRIPT.MessageBody.RxHistoryRequest.Pharmacy.Pharmacist.Name.LastName		Required if Pharmacist	
		Pharmacist First Name	SCRIPT.Message.Body.RxHistoryRequest.Pharmacy.Pharmacist.Name.FirstName		Required if Pharmacist	
		Business Name	SCRIPT.Message.Body.RxHistoryRequest.Pharmacy.BusinessName		Required if Pharmacist	
	Search	Search Period - Range Start	SCRIPT.Message.Body.RxHistoryRequest.RequestedDates.StartDate.Date		Required	
		Search Period - Range End	SCRIPT.Message.Body.RxHistoryRequest.RequestedDates.EndDate.Date		Required	

5.1.1 SEARCH PATIENT (SINGLE MATCH) - RESPONSE MAPPING OF CURES DATA TO NCPDP FORMAT

Section		CURES	NCPDP	Attribute
XML Declaration		N/A	N/A	xml version="1.0" encoding="UTF-8" standalone="yes"
Message	Message	Message	SCRIPT.Message	DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT" TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715"
	Header	Recipient of the Message	SCRIPT.Message.Header.To	Qualifier="ZZZ"
	Message Envelope	Sender of the Message	SCRIPT.Message.Header.From	Qualifier="ZZZ"

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Section		CURES	NCPDP	Attribute	
		Unique MessageID	SCRIPT.Message.Header.MessageID		
		Relates to MessageID	SCRIPT.Message.Header.RelatesToMessageID [value = MessageID for RxHistoryRequest]		
		Sent Date/Time	SCRIPT.Message.Header.SentTime		
		User ID of the Requesting Entity	SCRIPT.Message.Header.Security.UsernameToken.Username		
		Sender Identification	SCRIPT.Message.Header.Security.Sender.SecondaryIdentification		
		Receiver	SCRIPT.Message.Header.Security.Receiver		
		Sender Software Developer	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareDeveloper		
		Sender Software Product	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareProduct		
		Sender Software Version Release	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareVersionRelease		
	Body	Response	Response	SCRIPT.Message.Body.RxHistoryResponse.Response.Approved	
		Benefits Coordination	Consent	SCRIPT.Message.Body.RxHistoryRequest.BenefitsCoordination.Consent [value = Y]	
		Patient	Patient Account Number	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Identification.PatientAccountNumber	
			Last Name	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Name.LastName	
			First Name	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Name.FirstName	
			Gender	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Gender	
			DOB	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.DateOfBirth.Date	
			Address	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Address.AddressLine1	
			City	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Address.City	
			State/Province	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatientAddress.StateProvince	
		Postal Code	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Address.PostalCode		
		Prescription (1...300)	Drug Name (if the reported NDC failed validation, the reported NDC is displayed with an asterisk)	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.DrugDescription	
			Drug Strength	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.DrugCoded.Strength.StrengthValue	
			Drug Form	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.DrugCoded.Strength.StrengthForm.Code	
			Drug Quantity	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Quantity.Value	
			Code List Qualifier	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Quantity.CodeListQualifier [default value = 87]	
			Unit Source Code	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Quantity.QuantityUnitofMeasure.Code [default value = AC]	
			Days Supply	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.DaysSupply	

Section		CURES	NCPDP	Attribute	
		Date Filled	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.LastFillDate.Date		
		Substitutions	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Substitutions [default value = 0]		
		Rx Number, Payment Method, Species Code, Refill#, Refills Authorized	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Note		
		Key values separated by :			
		Pharmacy NCPDPID	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Pharmacy.Identification.NCPDPID [default value = -]		
		Pharmacy Number	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Pharmacy.Identification.StateLicenseNumber		
		Pharmacy NPI	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Pharmacy.Identification.NPI [default value = -]		
		Pharmacy Name	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Pharmacy.BusinessName		
		Prescriber DEA	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Prescriber.NonVeterinarian.Identification.DEANumber		
		Prescriber NPI	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Prescriber.NonVeterinarian.Identification.NPI [default value = -]		
		Prescriber Name (prescriber name is captured in the First and Last Name fields)	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Prescriber.NonVeterinarian.Name.LastName		
		Prescriber's Name (prescriber name is captured in the First and Last Name fields)	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Prescriber.NonVeterinarian.Name.FirstName		
		Date Sold (if Date Sold was not reported, OtherMedicationDate will be null)	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.OtherMedicationDate.OtherMedicationDate.Date		
		Date Sold Qualifier	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.OtherMedicationDate.OtherMedicationDate.Qualifier [default value = SoldDate]		
		Search	Search Time Range Start	SCRIPT.Message.Body.RxHistoryResponse.RequestedDates.StartDate.Date	
Search Time - Range End	SCRIPT.Message.Body.RxHistoryResponse.RequestedDates.EndDate.Date				

5.1.2 SEARCH PATIENT (MULTIPLE MATCH) - RESPONSE MAPPING OF CURES DATA TO NCPDP FORMAT

Section		CURES	NCPDP	Attribute	
XML Declaration		N/A	N/A	xml version="1.0" encoding="UTF-8" standalone="yes"	
Message	Message	Message	SCRIPT.Message	DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT" TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715"	
	Header	Message Envelope	Recipient of the Message	SCRIPT.Message.Header.To	Qualifier="ZZZ"
			Sender of the Message	SCRIPT.Message.Header.From	Qualifier="ZZZ"

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Section		CURES	NCPDP	Attribute
		Unique MessageID	SCRIPT.Message.Header.MessageID	
		Relates to MessageID	SCRIPT.Message.Header.RelatesToMessageID [value = MessageID for RxHistoryRequest]	
		Sent Date/Time	SCRIPT.Message.Header.SentTime	
		User ID of the Requesting Entity	SCRIPT.Message.Header.Security.UsernameToken.Username	
		Sender Identification	SCRIPT.Message.Header.Security.Sender.SecondaryIdentification	
		Receiver	SCRIPT.Message.Header.Security.Receiver	
		Sender Software Developer	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareDeveloper	
		Sender Software Product	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareProduct	
		Sender Software Version Release	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareVersionRelease	
		Body	Response	Response
Benefits Coordination	Consent		SCRIPT.Message.Body.RxHistoryRequest.BenefitsCoordination.Consent [default value = Y]	
PAR Search Criteria	Last Name		SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Name.LastName	
	First Name		SCRIPT.Message.Body.RxHistoryResponse.Patient.Patient.HumanPatient.Name.FirstName	
	Gender		SCRIPT.Message.Body.RxHistoryResponse.Patient.Patient.HumanPatient.Gender	
	DOB		SCRIPT.Message.Body.RxHistoryResponse.Patient.Patient.HumanPatient.DateOfBirth.Date	
	Address		SCRIPT.Message.Body.RxHistoryResponse.Patient.Patient.HumanPatient.Address.AddressLine1	
	City		SCRIPT.Message.Body.RxHistoryResponse.Patient.Patient.HumanPatient.Address.City	
	State/Province		SCRIPT.Message.Body.RxHistoryResponse.Patient.Patient.HumanPatient.Address.StateProvince	
Postal Code	SCRIPT.Message.Body.RxHistoryResponse.Patient.Patient.HumanPatient.Address.PostalCode			
Patient Picklist (1...300)	Drug Name		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.DrugDescription [default value = Use Patient Account Number(s) from this response and execute the GetPatientActivityReport web service to obtain a PAR.]	
	Drug Quantity		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Quantity.Value [default value = 0]	
	Code List Qualifier		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Quantity.CodeListQualifier [default value = 87]	
	Unit Source Code		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Quantity.QuantityUnitofMeasure.Code [default value = AC]	
	Date Filled		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.LastFillDate.Date [default value = 1900-01-01]	
	Substitutions		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Substitutions [default value = 0]	
	Patient Account Number (use to obtain a PAR via the GetPatientActivityReport web service)		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Patient.Identification.PatientAccountNumber	
	Last Name	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Patient.Name.LastName		

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Section		CURES	NCPDP	Attribute	
		First Name	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Patient.Name.FirstName		
		Gender	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Patient.Gender		
		DOB	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Patient.DateOfBirth.Date		
		Address	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Patient.Address.AddressLine1		
		City	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Patient.Address.City		
		State	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Patient.Address.StateProvince		
		Postal Code	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Patient.Address.PostalCode		
		Date Sold	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.OtherMedicationDate.OtherMedicationDate.Date [default value = 1900-01-01]		
		Date Sold Qualifier	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.OtherMedicationDate.OtherMedicationDate.Qualifier [default value = SoldDate]		
		Search	Search Period - Range Start	SCRIPT.Message.Body.RxHistoryResponse.RequestedDates.StartDate.Date	
			Search Period - Range End	SCRIPT.Message.Body.RxHistoryResponse.RequestedDates.EndDate.Date	

5.2 GET PATIENT ACTIVITY REPORT - REQUEST MAPPING OF CURES DATA TO NCPDP FORMAT

Section		CURES	NCPDP	Attribute	Required/Optional	
Message	Message	Message	SCRIPT.Message	DatatypesVersion="20170715" TransportVersion="20170715" TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715" TransactionDomain="SCRIPT"	Required	
	Header	Message Envelope	Recipient of the Message	SCRIPT.Message.Header.To	Qualifier="ZZZ"	Required
			HIT System Identifier	SCRIPT.Message.Header.From	Qualifier="ZZZ"	Required
			Unique MessageID	SCRIPT.Message.Header.MessageID		Required
			Sent Date/Time	SCRIPT.Message.Header.SentTime		Required
			User ID of the Requesting Entity	SCRIPT.Message.Header.Security.UsernameToken.Username		Required
			HIT System Hospital/Facility	SCRIPT.Message.Header.Security.Sender.SecondaryIdentification		Required
			Description of Facility (Emergency, ICU)	SCRIPT.Message.Header.Security.Sender.TertiaryIdentification		Optional
			Sender Software Developer	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareDeveloper		Required
			Sender Software Product	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareProduct		Required
	Sender Software Version Release	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareVersionRelease		Required		
	Body	Benefits Coordination	Consent	SCRIPT.Message.Body.RxHistoryRequest.BenefitsCoordination.Consent [value = Y]		Required
		Patient	Patient Account Number	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Identification.PatientAccountNumber.		
			Last Name	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Name.LastName		Required
			First Name	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Name.FirstName		Required
			Gender – A value must be specified: U = Unspecified F = Female M = Male	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Gender [value = U, F, or M]		Required
			DOB – YYYY-MM-DD	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.DateOfBirth.Date		Required
			Address	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Address.AddressLine1		Optional
			City	SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Address.City		Optional
State/Province – 2 character state/province abbreviation			SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Address.StateProvince		Optional	
Postal Code – 5 digit postal code			SCRIPT.Message.Body.RxHistoryRequest.Patient.HumanPatient.Address.PostalCode		Optional	
Requesting User	<i>Prescriber (Requesting user can be either Prescriber or Pharmacist)</i>					

Section		CURES	NCPDP	Attribute	Required/Optional	
		Prescriber DEA Number	SCRIPT.Message.Body.RxHistoryRequest.Prescriber.NonVeterinarian.Identification.DEANumber		Required if Prescriber	
		Prescriber NPI	SCRIPT.Message.Body.RxHistoryRequest.Prescriber.NonVeterinarian.Identification.NPI		Required if Prescriber	
		Prescriber Last Name	SCRIPT.Message.Body.RxHistoryRequest.Prescriber.NonVeterinarian.Name.LastName		Required if Prescriber	
		Prescriber First Name	SCRIPT.Message.Body.RxHistoryRequest.Prescriber.NonVeterinarian.Name.FirstName		Required if Prescriber	
		<i>Pharmacist (requesting user can be either Prescriber or Pharmacist)</i>				
		Pharmacist State License Number	SCRIPT.Message.Body.RxHistoryRequest.Pharmacy.Pharmacist.Identification.StateLicenseNumber		Required if Pharmacist	
		Pharmacist Last Name	SCRIPT.MessageBody.RxHistoryRequest.Pharmacy.Pharmacist.Name.LastName		Required if Pharmacist	
		Pharmacist First Name	SCRIPT.Message.Body.RxHistoryRequest.Pharmacy.Pharmacist.Name..FirstName		Required if Pharmacist	
		Business Name	SCRIPT.Message.Body.RxHistoryRequest.Pharmacy.BusinessName		Required if Pharmacist	
		Search	Search Period - Range Start	SCRIPT.Message.Body.RxHistoryRequest.RequestedDates.StartDate.Date		Required
Search Period - Range End	SCRIPT.Message.Body.RxHistoryRequest.RequestedDates.EndDate.Date			Required		

5.2.1 GET PATIENT ACTIVITY REPORT – RESPONSE MAPPING OF CURES DATA TO NCPDP FORMAT

Section		CURES	NCPDP	Attribute	
XML Declaration		N/A	N/A	xml version="1.0" encoding="UTF-8" standalone="yes"	
Message	Message	Message	SCRIPT.Message	DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT" TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715"	
	Header	Message Envelope	Recipient of the Message	SCRIPT.Message.Header.To	Qualifier="ZZZ"
			Sender of the Message	SCRIPT.Message.Header.From	Qualifier="ZZZ"
			Unique MessageID	SCRIPT.Message.Header.MessageID	
			Relates to MessageID	SCRIPT.Messageage.Header.RelatesToMessageID [value = MessageID for RxHistoryRequest]	
			Sent Date/Time	SCRIPT.Message.Header.SentTime	
			User ID of the Requesting Entity	SCRIPT.Message.Header.Security.UsernameToken.Username	
			Sender Identification	SCRIPT.Message.Header.Security.Sender.SecondaryIdentification	

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Section		CURES	NCPDP	Attribute		
		Receiver	SCRIPT.Message.Header.Security.Receiver			
		Sender Software Developer	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareDeveloper			
		Sender Software Product	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareProduct			
		Sender Software Version Release	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareVersionRelease			
	Body	Response	Response	SCRIPT.Message.Body.RxHistoryResponse.Response.Approved		
		Benefits Coordination	Consent	SCRIPT.Message.Body.RxHistoryRequest.BenefitsCoordination.Consent [value = Y]		
		Patient	Patient Account Number	Patient Account Number	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Identification.PatientAccountNumber	
			Last Name	Last Name	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Name.LastName	
			First Name	First Name	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Name.FirstName	
			Gender	Gender	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Gender	
			DOB	DOB	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.DateOfBirth.Date	
			Address	Address	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Address.AddressLine1	
			City	City	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Address.City	
			State/Province	State/Province	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatientAddress.StateProvince	
		Postal Code	Postal Code	SCRIPT.Message.Body.RxHistoryResponse.Patient.HumanPatient.Address.PostalCode		
		Prescription (1..300)	Drug Name (if the reported NDC failed validation, the reported NDC is displayed with an asterisk)	Drug Name (if the reported NDC failed validation, the reported NDC is displayed with an asterisk)	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.DrugDescription	
			Drug Strength	Drug Strength	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.DrugCoded.Strength.StrengthValue	
			Drug Form	Drug Form	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.DrugCoded.Strength.StrengthForm.Code	
			Drug Quantity	Drug Quantity	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Quantity.Value	
			Code List Qualifier	Code List Qualifier	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Quantity.CodeListQualifier [default value = 87]	
Unit Source Code	Unit Source Code		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Quantity.QuantityUnitofMeasure.Code [default value = AC]			
Days Supply	Days Supply		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.DaysSupply			
Date Filled	Date Filled		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.LastFillDate.Date			
Substitutions	Substitutions		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Substitutions [default value = 0]			
Rx Number, Payment Method, Species Code, Refill#, Refills Authorized	Rx Number, Payment Method, Species Code, Refill#, Refills Authorized		SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Note			
Key values separated by :	Key values separated by :					
Pharmacy NCPDPID	Pharmacy NCPDPID	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Pharmacy.Identification.NCPDPID [default value= -]				

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Section		CURES	NCPDP	Attribute
		Pharmacy Number	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Pharmacy.Identification.StateLicenseNumber	
		Pharmacy NPI	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Pharmacy.Identification.NPI [default value = -]	
		Pharmacy Name	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Pharmacy.BusinessName	
		Prescriber DEA	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Prescriber.NonVeterinarian.Identification.DEANumber	
		Prescriber NPI	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Prescriber.NonVeterinarian.Identification.NPI [default value = -]	
		Prescriber Name (prescriber name is captured in the First and Last Name fields)	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Prescriber.NonVeterinarian.Name.LastName	
		Prescriber Name (prescriber name is captured in the First and Last Name fields)	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.Prescriber.NonVeterinarian.Name.FirstName	
		Date Sold (if Date Sold was not reported, OtherMedicationDate will be null)	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.OtherMedicationDate.OtherMedicationDate.Date	
		Date Sold Qualifier	SCRIPT.Message.Body.RxHistoryResponse.MedicationDispensed.OtherMedicationDate.OtherMedicationDate.Qualifier [default value = SoldDate]	
		Search	Search Period - Range Start	SCRIPT.Message.Body.RxHistoryResponse.RequestedDates.StartDate.Date
		Search Period - Range End	SCRIPT.Message.Body.RxHistoryResponse.RequestedDates.EndDate.Date	

5.3 CHECK USER STATUS - REQUEST MAPPING OF CURES DATA TO NCPDP FORMAT

Section		CURES	NCPDP	Attribute	Required/Optional	
Message	Message	Message	SCRIPT.Message	DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT" TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715"	Required	
	Header	Message Envelope	Recipient of the Message	SCRIPT.Header.To	qualifier="ZZZ"	Required
			HIT System Identifier	SCRIPT.Header.From	qualifier="ZZZ"	Required
			Unique MessageID	SCRIPT.Header.MessageID		Required
			Sent Date/Time	SCRIPT.Header.SentTime		Required
			User ID of the Requesting Entity	SCRIPT.Header.Security.UsernameToken.Username		Required
			HIT System Hospital/Facility	SCRIPT.Header.Security.Sender.SecondaryIdentification		Required
			Description of Facility (Emergency, ICU)	SCRIPT.Header.Security.Sender.TertiaryIdentification		Optional
			Sender Software Developer	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareDeveloper		Required
			Sender Software Product	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareProduct		Required
	Sender Software Version Release	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareVersionRelease		Required		
	Body	Verify User Status Request	Verify Status Code	SCRIPT.Message.Body.Verify.VerifyStatus.Code [value = 010]		Required
Verify Status Description – Values must be specified: 1. Identification Type: D = Prescriber DEA Number, S = Pharmacist State License Number 2. Identification Number: DEA Number or Pharmacist State License Number 3. Last Name: Prescriber/Pharmacist Last Name 4. First Name: Prescriber/Pharmacist First Name Key values separated by ; Example: D:CA1234567;LastName;FirstName			SCRIPT.Message.Body.Verify.VerifyStatus.Description [value = Identification Type;Identification Number;Last Name;First Name]		Required	

5.3.1 CHECK USER STATUS - RESPONSE MAPPING OF CURES DATA TO NCPDP FORMAT

Section		CURES	NCPDP	Attribute	
XML Declaration		N/A	N/A	xml version="1.0" encoding="UTF-8" standalone="yes"	
Message	Message		SCRIPT.Message	DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT" TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715"	
	Header	Message Envelope	Recipient of the Message	SCRIPT.Message.Header.To	qualifier="ZZZ"
			Sender of the Message	SCRIPT.Message.Header.From	qualifier="ZZZ"
			Unique MessageID	SCRIPT.Message.Header.MessageID	
			Relates To MessageID	SCRIPT.Message.Header.RelatesToMessageID [value = MessageID for RxHistoryRequest]	
			Sent Date/Time	SCRIPT.Message.Header.SentTime	
			User ID of the Requesting Entity	SCRIPT.Message.Header.Security.UsernameToken.Username	
			Sender Identification	SCRIPT.Message.Header.Security.Sender.SecondaryIdentification	
			Receiver	SCRIPT.Header.Security.Receiver	
			Sender Software Developer	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareDeveloper	
			Sender Software Product	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareProduct	
			Sender Software Version Release	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareVersionRelease	
	Body	Status	Status Code	SCRIPT.Message.Body.Status.Code	
			Description Code	SCRIPT.Message.Body.Status.DescriptionCode	
			Description	SCRIPT.Message.Body.Status.Description	

5.4 CHECK ENTITY STATUS - REQUEST MAPPING OF CURES DATA TO NCPDP FORMAT

Section		CURES	NCPDP	Attribute	Required/Optional	
Message	Message	Message	SCRIPT.Message	DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT" TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715"	Required	
	Header	Message Envelope	Recipient of the Message	SCRIPT.Header.To	qualifier="ZZZ"	Required
			HIT System Identifier	SCRIPT.Header.From	qualifier="ZZZ"	Required
			Unique MessageID	SCRIPT.Header.MessageID		Required
			Sent Date/Time	SCRIPT.Header.SentTime		Required
			User ID of the Requesting Entity	SCRIPT.Header.Security.UsernameToken.Username		Required
			HIT System Hospital/Facility	SCRIPT.Header.Security.Sender.SecondaryIdentification		Required
			Description of Facility (Emergency, ICU)	SCRIPT.Header.Security.Sender.TertiaryIdentification		Optional
			Sender Software Developer	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareDeveloper		Required
			Sender Software Product	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareProduct		Required
			Sender Software Version Release	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareVersionRelease		Required
	Body	Verify EntityStatus Request	Verify Status Code	SCRIPT.Message.Body.Verify.VerifyStatus.Code [value = 010]		Required
			Description	SCRIPT.Message.Body.Verify.VerifyStatus.Description [value = REQUEST ENTITY STATUS]		Required

5.4.1 CHECK ENTITY STATUS - RESPONSE MAPPING OF CURES DATA TO NCPDP FORMAT

Section		CURES	NCPDP	Attribute	
XML Declaration		N/A	N/A	xml version="1.0" encoding="UTF-8" standalone="yes"	
Message	Message	Message	SCRIPT.Message	DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT" TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715"	
	Header	Message Envelope	Recipient of the Message	SCRIPT.Message.Header.To	qualifier="ZZZ"
			Sender of the Message	SCRIPT.Message.Header.From	qualifier="ZZZ"
			Unique MessageID	SCRIPT.Message.Header.MessageID	
			Relates To MessageID Value = the messageID for the RxHistoryResponse	SCRIPT.Message.Header.RelatesToMessageID [value = MessageID for RxHistoryRequest]	
			Sent Date/Time	SCRIPT.Message.Header.SentTime	

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			User ID of the Requesting Entity	SCRIPT.Message.Header.Security.UsernameToken.Username	
			Sender Identification	SCRIPT.Message.Header.Security.Sender.SecondaryIdentification	
			Receiver	SCRIPT.Header.Security.Receiver	
			Sender Software Developer	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareDeveloper	
			Sender Software Product	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareProduct	
			Sender Software Version Release	SCRIPT.Message.Header.SenderSoftware.SenderSoftwareVersionRelease	
	Body	Status	Status Code	SCRIPT.Message.Body.Status.Code	
			Description Code	SCRIPT.Message.Body.Status.DescriptionCode	
			Description	SCRIPT.Message.Body.Status.Description	

6 HTTP HEADER

6.1 HTTP HEADER

The HTTP will header contain the following information for each transaction:

HTTP HEADER	
Authorization	Base64 encoded HTTP Basic authentication
X-payload-format	Such as NCPDP, NIEM, FHIR, etc.
X-search-mode	E (exact) or P (partial)
X-picklist	Y (yes) or N (no)
Content-type	application/xml; charset=utf-8
Accept	Application/xml
X-payload-version	2017071

The X-payload-format header will default to NCPDP, as this is the only supported format at this time. The X-search-mode header will default to P if not specified. The X-picklist header will default to N if not specified.

Sample Header:

Authorization	Basic ABCDEFGHIJKLMNOPQRSTUVWXYZ1234567
X-payload-format	NCPDP
X-search-mode	P
X-picklist	Y
Content-type	application/xml; charset=utf-8
Accept	Application/xml
X-payload-version	2017071

7 ERROR AND STATUS CODES

The NCPDP error and status messages consist of a Code, DescriptionCode, and Description. The CURES IEWS uses NCPDP defined codes to populate the Code element. The following table describes the NCPDP 201707 status codes utilized by the application for the Code field in both error and status structure. If there is a functional failure, the system returns a NCPDP Error message. Requests that fail the NCPDP schema requirements and non-functional errors will result in an HTTP error message.

NAME OF VALUE	CODE	STATUS CODE	TRANSACTION ERROR CODE
Transaction successful	000	X	
Configuration error	700		X
Transaction rejected	900		X

The DescriptionCode and Description fields are used to provide system-specific details regarding the error or status. The application has defined the following Status/Error Codes, DescriptionCodes, and Descriptions:

Status/Error Code	Description Code	Description
000	008	Requesting Entity account in good standing
000	103	MOU Entity account inactive. Access denied.
000	134	Active status, user has access.
000	220	User CURES application is pending approval.
000	500	User CURES account is suspended.
000	1000	No result found.
000	2000	Invalid credential.
000	3000	24 hours have lapsed since initial inquiry. Re-initiate PAR request.
000	4000	User must complete Annual Update on CURES website to receive data.
000	4010	Multiple patient matches. Please search via https://cures.doj.ca.gov .
000	4020	User credentials do not match any CURES account.
000	4030	MOU is locked. Too many attempts.
000	4040	Records exceed 300. Search https://cures.doj.ca.gov for full results.
700	210	Provided temporary patient ID does not exist.
900	134	System error
900	220	Invalid or missing required verify user status field(s)
900	500	Invalid request or Missing data.

8 SEARCH PATIENT

The search patient request uses the RxHistoryRequest message, which contains three major sections:

- Patient
- Prescriber or Pharmacy/Pharmacist
- Requested Dates

The following fields are required in the Patient section:

- a. Patient First Name
- b. Patient Last Name
- c. Patient Gender (note: Patient Gender is required by NCPDP SCRIPT 2017071; the value 'U' (unspecified) will execute the query without filtering gender)
- d. Patient Date of Birth

The following fields are optional fields in the Patient section:

- a. Patient Street Address
- b. Patient City
- c. Patient State/Province
- d. Patient Postal Code

The following fields are required in the Prescriber section of a prescriber query:

- Prescriber DEA Number, as registered in CURES
- Prescriber NPI
- Prescriber First Name, as registered in CURES
- Prescriber Last Name, as registered in CURES

The following fields are required in the Pharmacy section of a pharmacist query:

- Pharmacist State License Number
- Pharmacist First Name, as registered in CURES
- Pharmacist Last Name, as registered in CURES
- Pharmacy Business Name

The system uses certain fields to identify the CURES account of the prescriber or pharmacist. If the CURES account cannot be found, a Status message is returned.

The RequestedDates section is used to specify the PAR search period. The maximum search period is the prior 24 months. However, searches are limited to 12 month increments. If the search period is greater than the maximum or an invalid range is specified, the search will default to the prior 12 months.

Upon successful processing and execution of RxHistoryRequest, the system returns an RxHistoryResponse message with the associated MedicationDispensed if there is only one patient that matches the search criteria. In the case where there are no patient matches for the search, a Status message is returned. For HIT systems that support a picklist, when there is more than one patient match, a picklist is returned. For HIT systems that do not support a picklist, the CURES IEWS will return a Status message with the corresponding description code.

If there is a functional failure, the system returns a NCPDP Error message.

If the error is related to authentication or parsing the message, the CURES IEWS returns an HTTP error.

SearchPatient Request Samples

[NOTE: While there are additional data element fields available, those fields are not mandatory for a SearchPatient request.]

patient_request.xml:

Sample Prescriber request:

```
<?xml version="1.0" encoding="UTF-8"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715"
TransactionVersion="20170715" StructuresVersion="20170715"
ECLVersion="20170715" TransactionDomain="SCRIPT"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Header>
    <To Qualifier="ZZZ">cures</To>
    <From Qualifier="ZZZ">hie</From>
    <MessageID>PM-PAT-SEARCH-NFOUND-001</MessageID>
    <SentTime>2018-06-04T16:00:47Z</SentTime>
    <Security>
      <UsernameToken>
        <Username>dr.joe@acme.com</Username>
      </UsernameToken>
    </Security>
    <Sender>
      <SecondaryIdentification>HIT system</SecondaryIdentification>
      <TertiaryIdentification>Emergency Unit</TertiaryIdentification>
    </Sender>
  </Header>
  <SenderSoftware>
    <SenderSoftwareDeveloper>Developer</SenderSoftwareDeveloper>
    <SenderSoftwareProduct>DOJ Client</SenderSoftwareProduct>
    <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
  </SenderSoftware>
  <Body>
    <RxHistoryRequest>
      <BenefitsCoordination>
        <Consent>Y</Consent>
      </BenefitsCoordination>
    </RxHistoryRequest>
  </Body>
</Message>
```

```

    <Patient>
      <HumanPatient>
        <Name>
          <LastName>CJRTTOZ</LastName>
          <FirstName>AGBJRX</FirstName>
        </Name>
        <Gender>U</Gender>
        <DateOfBirth>
          <Date>1967-06-25</Date>
        </DateOfBirth>
      </HumanPatient>
    </Patient>
    <Prescriber>
      <NonVeterinarian>
        <Identification>
          <DEANumber>AA1234567</DEANumber>
          <NPI>0123456789</NPI>
        </Identification>
        <Name>
          <LastName>QUIBOLOY</LastName>
          <FirstName>WINRICH</FirstName>
        </Name>
      </NonVeterinarian>
    </Prescriber>
    <RequestedDates>
      <StartDate>
        <Date>2019-01-01</Date>
      </StartDate>
      <EndDate>
        <Date>2019-12-31</Date>
      </EndDate>
    </RequestedDates>
  </RxHistoryRequest>
</Body>
</Message>

```

Sample Pharmacist request:

```

<?xml version="1.0" encoding="UTF-8"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715"
  TransactionVersion="20170715" StructuresVersion="20170715"
  ECLVersion="20170715" TransactionDomain="SCRIPT"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Header>
    <To Qualifier="ZZZ">cures</To>
    <From Qualifier="ZZZ">hie</From>
    <MessageID>PATIENT-SEARCH-M-PHARMACIST-001</MessageID>
    <SentTime>2018-06-04T16:00:47Z</SentTime>
    <Security>
      <UsernameToken>
        <Username>dr.joe@acme.com</Username>
      </UsernameToken>
      <Sender>
        <SecondaryIdentification>Hospital Pharmacy West</SecondaryIdentification>
      </Sender>
    </Security>
    <SenderSoftware>
      <SenderSoftwareDeveloper>Developer</SenderSoftwareDeveloper>
      <SenderSoftwareProduct>DOJ Client</SenderSoftwareProduct>
      <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
    </SenderSoftware>
  </Header>
  <Body>
    <RxHistoryRequest>
      <BenefitsCoordination>
        <Consent>Y</Consent>
      </BenefitsCoordination>
      <Patient>
        <HumanPatient>
          <Name>

```

```

                <LastName>EWTSQH</LastName>
                <FirstName>OHZRTXKUN</FirstName>
            </Name>
            <Gender>U</Gender>
            <DateOfBirth>
                <Date>1969-06-17</Date>
            </DateOfBirth>
        </HumanPatient>
    </Patient>
    <Pharmacy>
        <Pharmacist>
            <Identification>
                <StateLicenseNumber>11729</StateLicenseNumber>
            </Identification>
            <Name>
                <LastName>STAR</LastName>
                <FirstName>STEVEN</FirstName>
            </Name>
        </Pharmacist>
        <BusinessName>Test Pharmacy Store</BusinessName>
    </Pharmacy>
    <RequestedDates>
        <StartDate>
            <Date>2018-09-01</Date>
        </StartDate>
        <EndDate>
            <Date>2018-12-31</Date>
        </EndDate>
    </RequestedDates>
</RxHistoryRequest>
</Body>
</Message>

```

SearchPatient Response Samples:

One patient entity result:

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT"
TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715">
    <Header>
        <To Qualifier="ZZZ">hie</To>
        <From Qualifier="ZZZ">cures</From>
        <MessageID>743c9e55-1029-4562-b6c0-bb046008f12</MessageID>
        <RelatesToMessageID>PATIENT-SEARCH-M-PHARMACIST-001</RelatesToMessageID>
        <SentTime>2019-08-22T13:31:56.322-07:00</SentTime>
        <Security>
            <UsernameToken>
                <Username>dr.joe@acme.com</Username>
            </UsernameToken>
            <Sender>
                <SecondaryIdentification>CURES</SecondaryIdentification>
            </Sender>
            <Receiver/>
        </Security>
        <SenderSoftware>
            <SenderSoftwareDeveloper>CURES</SenderSoftwareDeveloper>
            <SenderSoftwareProduct>CURES</SenderSoftwareProduct>
            <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
        </SenderSoftware>
    </Header>
    <Body>
        <RxHistoryResponse>
            <Response>
                <Approved/>
            </Response>
            <BenefitsCoordination>
                <Consent>Y</Consent>
            </BenefitsCoordination>
            <Patient>
                <HumanPatient>

```

```

<Identification>
  <PatientAccountNumber>4950486</PatientAccountNumber>
</Identification>
<Name>
  <LastName>EWTSGH</LastName>
  <FirstName>OHZRTXKUN</FirstName>
</Name>
<Gender>F</Gender>
<DateOfBirth>
  <Date>1969-06-17</Date>
</DateOfBirth>
<Address>
  <AddressLine1>01124 LQPWIOC ZG</AddressLine1>
  <City>UKYQBQBW</City>
  <StateProvince>DJ</StateProvince>
  <PostalCode>71206</PostalCode>
</Address>
</HumanPatient>
</Patient>
<MedicationDispensed>
  <DrugDescription>OXYCODONE HCL-ACETAMINOPHEN</DrugDescription>
  <DrugCoded>
    <Strength>
      <StrengthValue>325 MG-10 MG</StrengthValue>
      <StrengthForm>
        <Code>TAB</Code>
      </StrengthForm>
    </Strength>
  </DrugCoded>
  <Quantity>
    <Value>65.0</Value>
    <CodeListQualifier>87</CodeListQualifier>
    <QuantityUnitOfMeasure>
      <Code>AC</Code>
    </QuantityUnitOfMeasure>
  </Quantity>
  <DaysSupply>11</DaysSupply>
  <LastFillDate>
    <Date>2018-12-13</Date>
  </LastFillDate>
  <Substitutions>0</Substitutions>
  <Note>Rx#:0789966;PaymentMethod:Medicare;SpeciesCode:01;Refill#:1;RefillsAuthorized:3</Note>
  <Pharmacy>
    <Identification>
      <NCPDPID>-</NCPDPID>
      <StateLicenseNumber>PHY42943</StateLicenseNumber>
      <NPI>-</NPI>
    </Identification>
    <BusinessName>YSGO KRB 0263</BusinessName>
  </Pharmacy>
  <Prescriber>
    <NonVeterinarian>
      <Identification>
        <DEANumber>SW6376161</DEANumber>
        <NPI>-</NPI>
      </Identification>
      <Name>
        <LastName>WVEOWIHWXNV, WLXDJRE</LastName>
        <FirstName>WVEOWIHWXNV, WLXDJRE</FirstName>
      </Name>
    </NonVeterinarian>
  </Prescriber>
  <OtherMedicationDate>
    <OtherMedicationDate>
      <Date>2018-12-13</Date>
    </OtherMedicationDate>
    <OtherMedicationDateQualifier>SoldDate</OtherMedicationDateQualifier>
  </OtherMedicationDate>
</MedicationDispensed>
<MedicationDispensed>
  <DrugDescription>ACETAMINOPHEN-HYDROCODONE BITARTRAT</DrugDescription>
  <DrugCoded>

```

```

    <Strength>
      <StrengthValue>325 MG-5 MG</StrengthValue>
      <StrengthForm>
        <Code>TAB</Code>
      </StrengthForm>
    </Strength>
  </DrugCoded>
  <Quantity>
    <Value>20.0</Value>
    <CodeListQualifier>87</CodeListQualifier>
    <QuantityUnitOfMeasure>
      <Code>AC</Code>
    </QuantityUnitOfMeasure>
  </Quantity>
  <DaysSupply>3</DaysSupply>
  <LastFillDate>
    <Date>2018-10-09</Date>
  </LastFillDate>
  <Substitutions>0</Substitutions>
  <Note>Rx#:0780252;PaymentMethod:Medicare;SpeciesCode:01;Refill#:1;RefillsAuthorized:3</Note>
  <Pharmacy>
    <Identification>
      <NCPDPID>-</NCPDPID>
      <StateLicenseNumber>PHY42943</StateLicenseNumber>
      <NPI>-</NPI>
    </Identification>
    <BusinessName>YSGO KRB 0263</BusinessName>
  </Pharmacy>
  <Prescriber>
    <NonVeterinarian>
      <Identification>
        <DEANumber>IH7122180</DEANumber>
        <NPI>-</NPI>
      </Identification>
      <Name>
        <LastName>VZKJON, PMRNAQ T OI</LastName>
        <FirstName>VZKJON, PMRNAQ T OI</FirstName>
      </Name>
    </NonVeterinarian>
  </Prescriber>
  <OtherMedicationDate>
    <OtherMedicationDate>
      <Date>2018-10-10</Date>
    </OtherMedicationDate>
    <OtherMedicationDateQualifier>SoldDate</OtherMedicationDateQualifier>
  </OtherMedicationDate>
</MedicationDispensed>
<MedicationDispensed>
  <DrugDescription>ACETAMINOPHEN-HYDROCODONE BITARTRAT</DrugDescription>
  <DrugCoded>
    <Strength>
      <StrengthValue>325 MG-5 MG</StrengthValue>
      <StrengthForm>
        <Code>TAB</Code>
      </StrengthForm>
    </Strength>
  </DrugCoded>
  <Quantity>
    <Value>30.0</Value>
    <CodeListQualifier>87</CodeListQualifier>
    <QuantityUnitOfMeasure>
      <Code>AC</Code>
    </QuantityUnitOfMeasure>
  </Quantity>
  <DaysSupply>5</DaysSupply>
  <LastFillDate>
    <Date>2018-09-02</Date>
  </LastFillDate>
  <Substitutions>0</Substitutions>
  <Note>Rx#:0774842;PaymentMethod:Medicare;SpeciesCode:01;Refill#:1;RefillsAuthorized:3</Note>
  <Pharmacy>
    <Identification>

```



```

        <NCPDPID>-</NCPDPID>
        <StateLicenseNumber>PHY42943</StateLicenseNumber>
        <NPI>-</NPI>
    </Identification>
    <BusinessName>YSGO KRB 0263</BusinessName>
</Pharmacy>
<Prescriber>
    <NonVeterinarian>
        <Identification>
            <DEANumber>IH7122180</DEANumber>
            <NPI>-</NPI>
        </Identification>
        <Name>
            <LastName>VZKJON, PMRNAQ T OI</LastName>
            <FirstName>VZKJON, PMRNAQ T OI</FirstName>
        </Name>
    </NonVeterinarian>
</Prescriber>
<OtherMedicationDate>
    <OtherMedicationDate>
        <Date>2018-09-15</Date>
    </OtherMedicationDate>
    <OtherMedicationDateQualifier>SoldDate</OtherMedicationDateQualifier>
</OtherMedicationDate>
</MedicationDispensed>
<RequestedDates>
    <StartDate>
        <Date>2018-09-01</Date>
    </StartDate>
    <EndDate>
        <Date>2018-12-31</Date>
    </EndDate>
</RequestedDates>
</RxHistoryResponse>
</Body>
</Message>

```

Multiple Results for Picklist:

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT"
TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715">
    <Header>
        <To Qualifier="ZZZ">hie</To>
        <From Qualifier="ZZZ">cures</From>
        <MessageID>3eb3d22a-5d66-4e61-a7f3-300482b576b</MessageID>
        <RelatesToMessageID>PATIENT-SEARCH-PICKLIST-001</RelatesToMessageID>
        <SentTime>2019-08-29T09:49:27.535-07:00</SentTime>
        <Security>
            <UsernameToken>
                <Username>dr.joe@acme.com</Username>
            </UsernameToken>
        </Sender>
            <SecondaryIdentification>CURES</SecondaryIdentification>
        </Sender>
        <Receiver/>
    </Security>
    <SenderSoftware>
        <SenderSoftwareDeveloper>CURES</SenderSoftwareDeveloper>
        <SenderSoftwareProduct>CURES</SenderSoftwareProduct>
        <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
    </SenderSoftware>
    </Header>
    <Body>
        <RxHistoryResponse>
            <Response>
                <Denied/>
            </Response>
            <BenefitsCoordination>
                <Consent>Y</Consent>
            </BenefitsCoordination>
        </RxHistoryResponse>
    </Body>
</Message>

```

```

</BenefitsCoordination>
<Patient>
  <HumanPatient>
    <Name>
      <LastName>C</LastName>
      <FirstName>AH</FirstName>
    </Name>
    <Gender>U</Gender>
    <DateOfBirth>
      <Date>1956-08-02</Date>
    </DateOfBirth>
  </HumanPatient>
</Patient>
<MedicationDispensed>
  <DrugDescription>Use Patient Account Number(s) from this response to get a PAR via GetPatientActivityReport web
service.</DrugDescription>
  <Quantity>
    <Value>0</Value>
    <CodeListQualifier>87</CodeListQualifier>
    <QuantityUnitOfMeasure>
      <Code>AC</Code>
    </QuantityUnitOfMeasure>
  </Quantity>
  <LastFillDate>
    <Date>1900-01-01</Date>
  </LastFillDate>
  <Substitutions>0</Substitutions>
  <Patient>
    <Identification>
      <PatientAccountNumber>4950640</PatientAccountNumber>
    </Identification>
    <Name>
      <LastName>C'UABBU</LastName>
      <FirstName>AHTGKKK</FirstName>
    </Name>
    <Gender>F</Gender>
    <DateOfBirth>
      <Date>1956-08-02</Date>
    </DateOfBirth>
    <Address>
      <AddressLine1>2342 UGQ EYEQL QPJ</AddressLine1>
      <City>FRUOG LKFO</City>
      <StateProvince>PT</StateProvince>
      <PostalCode>41654</PostalCode>
    </Address>
  </Patient>
  <OtherMedicationDate>
    <OtherMedicationDate>
      <Date>1900-01-01</Date>
    </OtherMedicationDate>
    <OtherMedicationDateQualifier>SoldDate</OtherMedicationDateQualifier>
  </OtherMedicationDate>
</MedicationDispensed>
<MedicationDispensed>
  <DrugDescription>Use Patient Account Number(s) from this response to get a PAR via GetPatientActivityReport web
service.</DrugDescription>
  <Quantity>
    <Value>0</Value>
    <CodeListQualifier>87</CodeListQualifier>
    <QuantityUnitOfMeasure>
      <Code>AC</Code>
    </QuantityUnitOfMeasure>
  </Quantity>
  <LastFillDate>
    <Date>1900-01-01</Date>
  </LastFillDate>
  <Substitutions>0</Substitutions>
  <Patient>
    <Identification>
      <PatientAccountNumber>4950641</PatientAccountNumber>
    </Identification>
    <Name>

```

```

        <LastName>COMLH</LastName>
        <FirstName>AHLMV</FirstName>
    </Name>
    <Gender>F</Gender>
    <DateOfBirth>
        <Date>1956-08-02</Date>
    </DateOfBirth>
    <Address>
        <AddressLine1>7783 WBPMFW OWOJGS</AddressLine1>
        <City>EWC GPBOPOGLJE</City>
        <StateProvince>QU</StateProvince>
        <PostalCode>21221</PostalCode>
    </Address>
</Patient>
<OtherMedicationDate>
    <OtherMedicationDate>
        <Date>1900-01-01</Date>
    </OtherMedicationDate>
    <OtherMedicationDateQualifier>SoldDate</OtherMedicationDateQualifier>
</OtherMedicationDate>
</MedicationDispensed>
<RequestedDates>
    <StartDate>
        <Date>2018-08-29</Date>
    </StartDate>
    <EndDate>
        <Date>2018-12-31</Date>
    </EndDate>
</RequestedDates>
</RxHistoryResponse>
</Body>
</Message>

```

Multiple Results for non-Picklist:

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT"
TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715">
    <Header>
        <To Qualifier="ZZZ">hie</To>
        <From Qualifier="ZZZ">cures</From>
        <MessageID>88bc6447-84fc-491f-a602-ed81196a05b</MessageID>
        <RelatesToMessageID>PATIENT-SEARCH-PICKLIST-001</RelatesToMessageID>
        <SentTime>2019-08-22T13:52:16.462-07:00</SentTime>
        <Security>
            <UsernameToken>
                <Username>dr.joe@acme.com</Username>
            </UsernameToken>
            <Sender>
                <SecondaryIdentification>CURES</SecondaryIdentification>
            </Sender>
            <Receiver/>
        </Security>
        <SenderSoftware>
            <SenderSoftwareDeveloper>CURES</SenderSoftwareDeveloper>
            <SenderSoftwareProduct>CURES</SenderSoftwareProduct>
            <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
        </SenderSoftware>
    </Header>
    <Body>
        <Status>
            <Code>000</Code>
            <DescriptionCode>103</DescriptionCode>
            <Description>Multiple patient matches. Please search via https://cures.doj.ca.gov.</Description>
        </Status>
    </Body>
</Message>

```

No Result (Status Response):

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT"
TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715">
  <Header>
    <To Qualifier="ZZZ">hie</To>
    <From Qualifier="ZZZ">cures</From>
    <MessageID>1ba9a1cf-fa9a-4b00-bc7c-a4e2c6d9bb7</MessageID>
    <RelatesToMessageID>PM-PAT-SEARCH-NFOUND-001</RelatesToMessageID>
    <SentTime>2019-08-22T13:53:32.669-07:00</SentTime>
    <Security>
      <UsernameToken>
        <Username>dr.joe@acme.com</Username>
      </UsernameToken>
      <Sender>
        <SecondaryIdentification>CURES</SecondaryIdentification>
        <TertiaryIdentification>misc</TertiaryIdentification>
      </Sender>
      <Receiver/>
    </Security>
    <SenderSoftware>
      <SenderSoftwareDeveloper>CURES</SenderSoftwareDeveloper>
      <SenderSoftwareProduct>CURES</SenderSoftwareProduct>
      <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
    </SenderSoftware>
  </Header>
  <Body>
    <Status>
      <Code>000</Code>
      <DescriptionCode>1000</DescriptionCode>
      <Description>No result found.</Description>
    </Status>
  </Body>
</Message>

```

Error Response:

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT"
TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715">
  <Header>
    <To Qualifier="ZZZ">hie</To>
    <From Qualifier="ZZZ">cures</From>
    <MessageID>da581f72-4bec-4f30-8f52-b7f76785bfd</MessageID>
    <RelatesToMessageID>PM-PAT-SEARCH-NFOUND-001</RelatesToMessageID>
    <SentTime>2019-08-22T13:55:05.694-07:00</SentTime>
    <Security>
      <UsernameToken/>
      <Sender>
        <SecondaryIdentification>CURES</SecondaryIdentification>
        <TertiaryIdentification>misc</TertiaryIdentification>
      </Sender>
      <Receiver/>
    </Security>
    <SenderSoftware>
      <SenderSoftwareDeveloper>CURES</SenderSoftwareDeveloper>
      <SenderSoftwareProduct>CURES</SenderSoftwareProduct>
      <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
    </SenderSoftware>
  </Header>
  <Body>
    <Error>
      <Code>900</Code>
      <DescriptionCode>500</DescriptionCode>
      <Description>Invalid request or Missing data.</Description>
    </Error>
  </Body>
</Message>

```

9 GET PATIENT ACTIVITY REPORT

GetPatientActivityReport should follow a successful SearchPatient call to retrieve a match from the picklist response. Each SearchPatient picklist is valid for 24 hours. After 24 hours, another search must be executed to retrieve a fresh patient picklist to be used with the GetPatientActivityReport web service.

The following is the process flow for the GetPatientActivityReport:

- The SearchPatient function returns a patient picklist via a RxHistoryResponse message
- The user picks patient(s) from the picklist by the PatientAccountNumber data element
- The selected patient(s) are the input parameters for GetPatientActivityReport function
- The NCPDP format cannot accommodate multiple patients. If there are multiple matches from the picklist, the requesting entity must call this function multiple times, one for each match.

Upon successful execution, the method shall return an RxHistoryResponse message. If there is a failure, an NCPDP Error or Status message is returned with the associated error/status code, description code, and description. If the error is related to authentication or parsing the message, the CURES IEWS returns an HTTP error.

GetPatientActivityReport Request Sample:

Patient_activity_report.xml:

```
<?xml version="1.0" encoding="UTF-8"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715"
  TransactionVersion="20170715" StructuresVersion="20170715"
  ECLVersion="20170715" TransactionDomain="SCRIPT"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Header>
    <To Qualifier="ZZZ">cures</To>
    <From Qualifier="ZZZ">hie</From>
    <MessageID>JUT-PATIENT-ACTIVITY-REPORT-001</MessageID>
    <SentTime>2018-06-04T16:00:47Z</SentTime>
    <Security>
      <UsernameToken>
        <Username>dr.joe@acme.com</Username>
      </UsernameToken>
      <Sender>
        <SecondaryIdentification>Hospital Pharmay East</SecondaryIdentification>
      </Sender>
    </Security>
    <SenderSoftware>
      <SenderSoftwareDeveloper>Developer</SenderSoftwareDeveloper>
      <SenderSoftwareProduct>DOJ Client</SenderSoftwareProduct>
      <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
    </SenderSoftware>
  </Header>
  <Body>
    <RxHistoryRequest>
      <BenefitsCoordination>
        <Consent>Y</Consent>
      </BenefitsCoordination>
    </RxHistoryRequest>
  </Body>
</Message>
```

```

</BenefitsCoordination>
<Patient>
  <HumanPatient>
    <Identification>
      <PatientAccountNumber>0000007</PatientAccountNumber>
    </Identification>
    <Name>
      <LastName>COMLH</LastName>
      <FirstName>AHLMV</FirstName>
    </Name>
    <Gender>F</Gender>
    <DateOfBirth>
      <Date>1956-08-02</Date>
    </DateOfBirth>
  </HumanPatient>
</Patient>
<Pharmacy>
  <Pharmacist>
    <Identification>
      <StateLicenseNumber>11729</StateLicenseNumber>
    </Identification>
    <Name>
      <LastName>STAR</LastName>
      <FirstName>STEVEN</FirstName>
    </Name>
  </Pharmacist>
  <BusinessName>Test Pharmacy Store</BusinessName>
</Pharmacy>
<RequestedDates>
  <StartDate>
    <Date>2018-01-01</Date>
  </StartDate>
  <EndDate>
    <Date>2018-12-31</Date>
  </EndDate>
</RequestedDates>
</RxHistoryRequest>
</Body>
</Message>

```

GetPatientActivityReport Response Sample: This is the same as the sample response in SearchPatient section.

GetPatientActivityReport Response Error/Status Samples:

This is the same as the sample responses in SearchPatient section.

10 CHECK USER STATUS

This web service returns the CURES account status of a prescriber or pharmacist. Upon successful execution, this method should return an NCPDP Status message. If there is a failure, an NCPDP Error or Status message is returned with the associated error/status code, description code, and description. If the error is related to authentication or parsing the message, the CURES IEWS returns an HTTP error.

CheckUserStatus Request Samples:

check_user_status.xml:

Sample Prescriber request:

```
<?xml version="1.0" encoding="UTF-8"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715" TransactionVersion="20170715"
StructuresVersion="20170715" ECLVersion="20170715" TransactionDomain="SCRIPT"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Header>
    <To Qualifier="ZZZ">cures</To>
    <From Qualifier="ZZZ">hie</From>
    <MessageID>JUT-CHECK-ENTITY-STATUS-001</MessageID>
    <SentTime>2018-06-04T16:00:47Z</SentTime>
    <Security>
      <UsernameToken>
        <Username>doctor.joe@hie.com</Username>
      </UsernameToken>
      <Sender>
        <SecondaryIdentification>Hospital</SecondaryIdentification>
      </Sender>
    </Security>
    <SenderSoftware>
      <SenderSoftwareDeveloper>Developer</SenderSoftwareDeveloper>
      <SenderSoftwareProduct>DOJ Client</SenderSoftwareProduct>
      <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
    </SenderSoftware>
  </Header>
  <Body>
    <Verify>
      <VerifyStatus>
        <Code>010</Code>
        <Description>D;AA1234567;QUIBOLOY;WINRICH</Description>
      </VerifyStatus>
    </Verify>
  </Body>
</Message>
```

Sample Pharmacist request:

```
<?xml version="1.0" encoding="UTF-8"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715" TransactionVersion="20170715"
StructuresVersion="20170715" ECLVersion="20170715" TransactionDomain="SCRIPT"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Header>
    <To Qualifier="ZZZ">cures</To>
    <From Qualifier="ZZZ">hie</From>
    <MessageID>JUT-CHECK-ENTITY-STATUS-001</MessageID>
    <SentTime>2018-06-04T16:00:47Z</SentTime>
    <Security>
      <UsernameToken>
        <Username>doctor.joe@hie.com</Username>
      </UsernameToken>
      <Sender>
        <SecondaryIdentification>North Pharmacy</SecondaryIdentification>
      </Sender>
    </Security>
```

```

        <SenderSoftware>
            <SenderSoftwareDeveloper>Developer</SenderSoftwareDeveloper>
            <SenderSoftwareProduct>DOJ Client</SenderSoftwareProduct>
            <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
        </SenderSoftware>
    </Header>
    <Body>
        <Verify>
            <VerifyStatus>
                <Code>010</Code>
                <Description>S;11729;STAR;STEVEN</Description>
            </VerifyStatus>
        </Verify>
    </Body>
</Message>

```

CheckUserStatus Response Sample:

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT"
TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715">
    <Header>
        <To Qualifier="ZZZ">hie</To>
        <From Qualifier="ZZZ">cures</From>
        <MessageID>9a298037-1608-4940-abdc-ff47a38538a</MessageID>
        <RelatesToMessageID>JUT-CHECK-ENTITY-STATUS-001</RelatesToMessageID>
        <SentTime>2019-08-15T09:51:01.729-07:00</SentTime>
        <Security>
            <UsernameToken>
                <Username>doctor.joe@hie.com</Username>
            </UsernameToken>
            <Sender>
                <SecondaryIdentification>CURES</SecondaryIdentification>
            </Sender>
            <Receiver/>
        </Security>
        <SenderSoftware>
            <SenderSoftwareDeveloper>CURES</SenderSoftwareDeveloper>
            <SenderSoftwareProduct>CURES</SenderSoftwareProduct>
            <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
        </SenderSoftware>
    </Header>
    <Body>
        <Status>
            <Code>000</Code>
            <DescriptionCode>134</DescriptionCode>
            <Description>Active status, user has access.</Description>
        </Status>
    </Body>
</Message>

```

CheckUserStatus Response Error Sample:

This is the same as the sample response in the SearchPatient section.

11 CHECK ENTITY STATUS

This web service returns the HIT system's account status. Upon successful execution, this method should return an NCPDP Status message. If there is a failure, an NCPDP Error or Status message is returned with the associated error/status code, description code, and description.

CheckEntityStatus Request Sample:

check_entity_status.xml:

```
<?xml version="1.0" encoding="UTF-8"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715" TransactionVersion="20170715"
StructuresVersion="20170715" ECLVersion="20170715" TransactionDomain="SCRIPT"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Header>
    <To Qualifier="ZZZ">cures</To>
    <From Qualifier="ZZZ">hie</From>
    <MessageID>CHECK-ENTITY-V2017071-001</MessageID>
    <SentTime>2018-06-04T16:00:47Z</SentTime>
    <Security>
      <UsernameToken>
        <Username>dr.joe@acme.com</Username>
      </UsernameToken>
      <Sender>
        <SecondaryIdentification>CURES</SecondaryIdentification>
      </Sender>
      <SenderSoftware>
        <SenderSoftwareDeveloper>Developer</SenderSoftwareDeveloper>
        <SenderSoftwareProduct>DOJ Client</SenderSoftwareProduct>
        <SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
      </SenderSoftware>
    </Header>
  <Body>
    <Verify>
      <VerifyStatus>
        <Code>010</Code>
        <Description>REQUEST ENTITY STATUS</Description>
      </VerifyStatus>
    </Verify>
  </Body>
</Message>
```

CheckEntityStatus Response Sample:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Message DatatypesVersion="20170715" TransportVersion="20170715" TransactionDomain="SCRIPT"
TransactionVersion="20170715" StructuresVersion="20170715" ECLVersion="20170715">
  <Header>
    <To Qualifier="ZZZ">hie</To>
    <From Qualifier="ZZZ">cures</From>
    <MessageID>ab4fab46-30a6-45bc-bf9b-547dfccc4d3</MessageID>
    <RelatesToMessageID> CHECK-ENTITY-V2017071-001</RelatesToMessageID>
    <SentTime>2019-08-15T09:55:00.474-07:00</SentTime>
    <Security>
      <UsernameToken>
        <Username>dr.joe@acme.com</Username>
      </UsernameToken>
      <Sender>
        <SecondaryIdentification>CURES</SecondaryIdentification>
      </Sender>
      <Receiver/>
    </Security>
    <SenderSoftware>
```

```
<SenderSoftwareDeveloper>CURES</SenderSoftwareDeveloper>
<SenderSoftwareProduct>CURES</SenderSoftwareProduct>
<SenderSoftwareVersionRelease>1.0</SenderSoftwareVersionRelease>
</SenderSoftware>
</Header>
<Body>
  <Status>
    <Code>000</Code>
    <DescriptionCode>008</DescriptionCode>
    <Description>Requesting Entity account in good standing.</Description>
  </Status>
</Body>
</Message>
```

CheckEntityStatus Response Error Sample:

This is the same as the sample response in the SearchPatient section.

12 TESTING

Prior to using the CURES IEWS, HIT systems will complete two phases of testing. The first phase will be focused on connectivity. HIT systems will specify an IP address for their test server(s) to be whitelisted. A CURES account will then be created for the HIT system.

After connectivity has been established, the HIT system can move on to functional testing. Each HIT system will be given a list of test prescribers and pharmacists accounts, and test cases at the beginning of the test process. The HIT system can use the prescriber and pharmacist accounts to test all of the REST endpoints. The HIT system must execute each test case provided, and provide the request and response XMLs for each test case. The test cases will be submitted to DOJ for review before Production access is granted.