

State Prescription Monitoring Program Enhancement Requirements Specification Document



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Department of Veterans Affairs

Revision History

Note: The revision history cycle begins once changes or enhancements are requested after the Requirements Specification Document has been baselined.

Date	Version	Description	Author
10/15/15	1.2	Revisions: Section 3.6 Functional Requirements Updated Req 615392 Added/Updated reqs under User Story 223823 Added req under User Story 223828 Appendix B Updated TSPR Sub-Section reference Appendix D Added new acronym	[REDACTED]
09/15/15	1.1	Revisions: Section 1.1 Purpose Updated statement Section 1.3 References Added new SPMP Reference links Section 3.1 Accessibility Specifications: Added Section 508 Checklist references Section 3.6 Functional Specifications: Added Epic Stories, User Stories, and Functional Specifications via ongoing elaboration to support existing business requirements and planned technical solution Re-organized pre-existing requirements statements to align with the appropriate Epic and User Story Appendix B and C Replacement of embedded documents with hyperlinks for Appendix E Addition Technical Review and Edit	[REDACTED]
7/31/15	1.0	Baseline Version	[REDACTED]
7/24/15	0.1	Initial draft version	[REDACTED]

Artifact Rationale

The Requirements Specification Document (RSD) records the results of the specification gathering processes carried out during the Requirements phase. The RSD is generally written by

the functional analyst(s) and should provide the bulk of the information used to create the test plan and test scripts. It should be updated for each increment.

The level of detail contained in this RSD should be consistent with the size and scope of the project. It is not necessary to fill out any sections of this document that do not apply to the project. The resources necessary to create and maintain this document during the life cycle of a large project should be acknowledged and clearly reflected in project schedules. Do not duplicate data that is already defined in another document or a section in this document; note in the section where the information can be found.

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1 Introduction

The Consolidated Appropriations Act, 2012, Public Law Number 112-74 (the “Act”) was signed into law by President Obama on December 23, 2011. This legislation states, “Under regulations the Secretary shall prescribe, the Secretary may disclose information about a veteran or the dependent of a veteran to a State controlled substance monitoring program...” This means the Veterans Health Administration (VHA) is allowed to make data available regarding prescription drugs to state-level reporting databases known as Prescription Drug Monitoring Programs (PDMPs) or Prescription Monitoring Programs (PMPs). To comply with the legislation, VHA is required to have the function and ability to do three things: 1. VHA must have the ability to collect the necessary prescription data electronically, 2. VHA must have the ability to make this data available to all approved state drug reporting databases electronically, 3. VHA providers and pharmacists must have the ability to electronically query, extract, and use data from corresponding state drug reporting databases.

1.1 Purpose

The purpose of this RSD is to address additional work identified after the completion of NSR 20101201 Mandatory Reporting to State Controlled Substance Rx Databases Required by National All Schedules Prescription Electronic Reporting Act (NASPER) Legislation.

This previous version of the software was released, deployed, and interfaces activated but today several sites remain unable to send their data due to additional vendor or state requirements or security concerns.

The target audience includes pharmacy users and State Prescription Monitoring Program (SPMP) project team and test users.

The requirements were derived from multiple interviews and communications with vendors, state representatives, VHA business owner, and VA SPMP team members.

1.2 Scope

The scope of this project is to provide the ability to meet Consolidated Appropriations Act, 2012, Public Law (PL) Number 112-74 that allows the VHA to make information about a Veteran or the dependent of a Veteran available to state-controlled substance monitoring program databases known as PDMPs or PMPs.

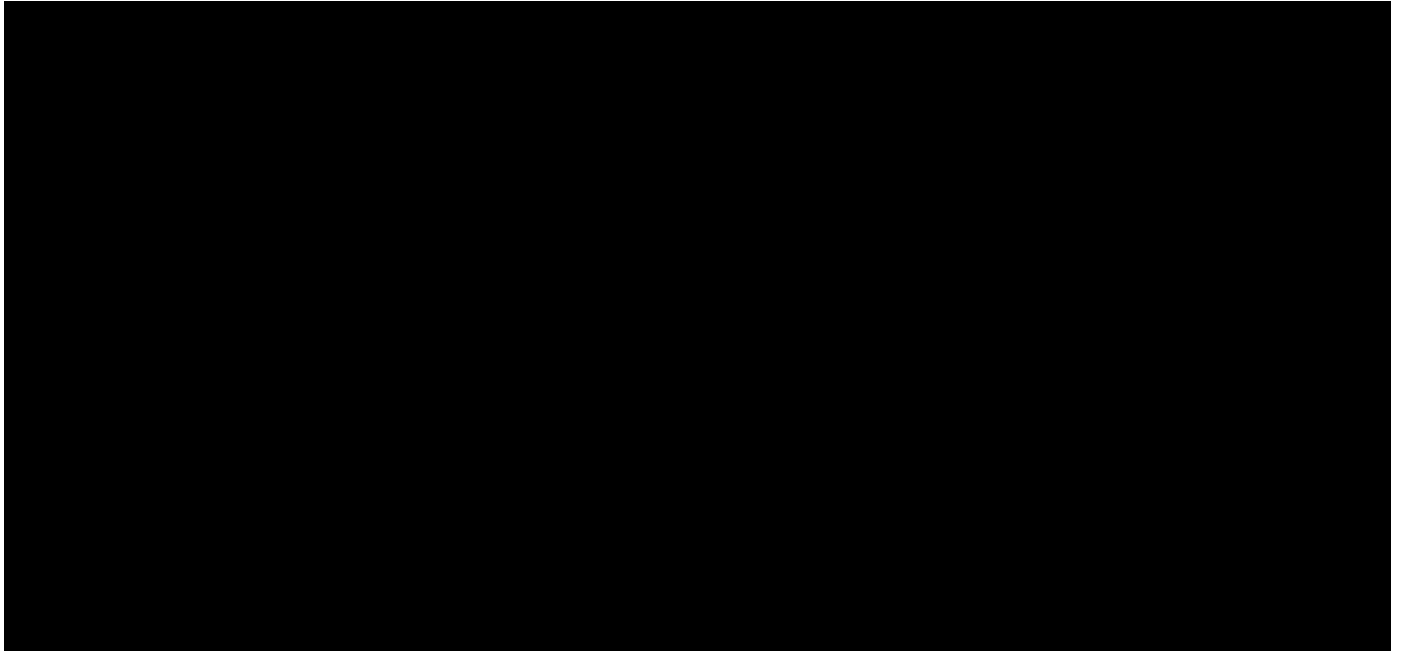
This Requirements Specification Document (RSD) provides the functional enhancement requirements for Fiscal Year (FY) 2015 of the State Prescription Monitoring Program Enhancement (SPMP) project to satisfy the New Service Request (NSR) #20150701 - Mandatory Reporting to State Controlled Substance Rx Databases Required by Consolidated Appropriations Act, 2012, PL 112-74.

While speaking with the PDMP vendors to clarify their enhancement requests, we also asked about their Federal Information Processing Standard (FIPS) 140-2 compliance. The results are in [Appendix A](#).

The requirements contained in this document are enhancements to PS0*7*408.

The VA currently supports the following versions of American Society for Automation in Pharmacy (ASAP) standards and this enhancement will continue to support the following versions: ASAP 1995, ASAP 3.0, ASAP 4.0, ASAP 4.1, and ASAP 4.2.

1.3 References



2 Constraints

- The requirements in this document are based upon the information as disclosed by vendors and states. Some requirements may have not been captured due to incomplete information. As the PDMP environment changes regularly, such as PDMP vendors merging, some additional requirements may emerge that were not the case at the time of this writing.
- The requirements contained in this document address the enhancement requests provided by the VA. During the development of this document, the VA determined that some states did not meet mandatory federal security requirements for data at rest encryption. As a result, the required communication ports were not made available to the vendors, and no tests of transmission could occur. Consequently, once this issue is resolved, some additional requirements may emerge that were not the case at the time of this writing.
- Although the RSD is considered a “living document”, the requirements herein are also a snapshot in time. Most individual state PDMP specifications are stable; however, this is subject to change at any point in time due to variables such as changes in a state’s PDMP vendor or other unpredictable changes.




3 Overall Description

The State Prescription Monitoring program provides VA the ability to transmit prescription drugs data to state-level reporting databases known as PDMPs or PMPs. The intended users of the SPMP enhancements are pharmacists, pharmacy technicians, and Veteran patients and their families. The goal of this enhancement supports improved business process, patient care, and resource utilization, as well as reduces spending and/or increases revenue generation.

3.1 Accessibility Specifications

The system shall be in conformance with Section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d). Section 508 requirements are currently defined and depicted in the Health Systems Design and Development (HSDandD). Section 508 Checklists for Legacy VistA (MUMPS) Software Applications and Operating System guideline will be followed.

The SPMP team will use the following checklists as a guide when building the application. We will work closely with the 508 office to ensure that the SPMP functionality within the legacy VistA application adheres to the current guidelines.

- [1194.21 Software applications and operating systems](#) 
- [1194.31 Functional performance criteria](#) 
- [1194.41 Information, documentation, and support](#) 

3.2 Business Rules Specification

Section 3.2 of this RSD remains unchanged from the previous enhancement PSO_7_408_RSD/December 2013 Section 2.2.

3.3 Design Constraints Specification

This enhancement is constrained by the previous implementation PSO_7_408.

3.4 Disaster Recovery Specification

Section 3.4 remains unchanged from the previous enhancement PSO_7_408.

3.5 Documentation Specifications

Updates shall be made, as necessary, to the applicable user manuals and Operations and Maintenance (OM) manuals, disaster recovery plan related to the VistA Pharmacy applications located on the VA Software Documentation Library. If no user, OM documentation, or disaster recovery plan exists, then they shall be produced.

3.6 Functional Specifications

This section contains the functional requirements necessary for the development work supporting the enhancement of the SPMP module within the legacy VistA system. The requirement statements have been aligned in correlation to their respective Epic and User Story to support Agile software development practices. Stakeholder prioritization of these requirements will be recorded and published using the VA-supplied IBM Rational Team Concert application.

Apportioned requirements, as identified, will be recorded and marked to indicate those requirements may be delayed to future versions of SPMP development.

3.6.1 SPMP User Customizable ASAP Message Functionality

- RTC Epic Story [223767](#): As a VA SPMP System Administrator, I would like to modify my outgoing SPMP message so that I may meet the specific state PDMP data requirements.
- RTC User Story [223768](#): As a VA SPMP System Administrator, I would like to view all segments and data elements for each ASAP version, so I may select a data element as required by my state's Prescription Drug Monitoring Program (PDMP).
 - RTC Req [615078](#): The legacy VistA system shall display all ASAP Segments for each ASAP versions 4.2, 4.1, 4.0, and 3.0
 - **Note:** See Appendix E for supplemental detail on existing fields and fields to be added with patch PSO*7*451 ASAP version 1995 will not be modified with this enhancement
 - RTC Req [615094](#): The legacy VistA system shall restrict ASAP data element length to the ASAP Max data length as indicated in Appendix E for each ASAP version.
- RTC User Story [223777](#): As a VA SPMP System Administrator, I would like to modify a selected VA SPMP existing ASAP data element, so I may conform to my state's PDMP data requirements.
 - RTC Req [615201](#): The legacy VistA system shall allow the user to utilize the View ASAP Definitions [PSO SPMP VIEW ASAP DEFINITIONS] option to modify their local SPMP data elements for ASAP versions 4.2, 4.1, 4.0, and 3.0.
 - **Note:** ASAP version 1995 will not be modified with this enhancement
 - RTC Req [615203](#): The legacy VistA system shall rename the View ASAP Definitions [PSO SPMP VIEW ASAP DEFINITIONS] to View/Edit ASAP Definitions [PSO SPMP VIEW/EDIT ASAP DEFINITIONS].
 - RTC Req [615204](#): The legacy VistA system shall allow the user to select an ASAP data element for inclusion in their SPMP transmission message following selection of an ASAP version.
 - RTC Req [615206](#): The legacy VistA system shall allow the user to accept the standard, pre-defined value to the selected ASAP data element.
 - **Note:** A standard value would be defined as the coded data element value without further end-user modification including designating a fixed value or using a Mumps (M) expression to further modify that value.
 - RTC Req [615207](#): The legacy VistA system shall allow create a new field called "Alternate Value:" for the purpose of defining a Fixed Value or usage of an M expression to further modify the selected ASAP data element.
 - **Note:** A fixed value will transmit the exact same information each time for that data element with each message.
 - RTC Req [615208](#): The legacy VistA system shall restrict a user-entered Fixed Value in the Alternate Value field not to exceed the ASAP version data element maximum length limitations as noted in RSD Appendix E.

- RTC Req [615209](#): The legacy VistA system shall restrict a user-entered Fixed Value to conform to the ASAP Data Type as noted in RSD Appendix E.
- RTC Req [615210](#): The legacy VistA system shall allow the user to enter a MUMPS Code (M Code) statement into the in the Alternate Value field to further modify a selected ASAP data element.
 - **Note:** An M Code expression may be used to further modify a data element such as appending a prefix or suffix to a known data element value. An example of its application could be the state of California requiring their PHA11 segment to populate with the appropriate data element such as DEA# but also be followed by the character “B”.
- RTC Req [615211](#): The legacy VistA system shall truncate a value that has been generated using M Code if it exceeds the ASAP Max Data Length for that data element.
- RTC Req [615212](#): The legacy VistA system shall supply a Section 508 compliant visual indicator that an ASAP Data Element has been customized by the site.
 - **Note:** Asterisk or similar readable indicator should be used.
- RTC Epic Story [223778](#): As a VA SPMP System Administrator, I would like to create a non-standard ASAP data segment and/or data element so that I may conform the specific state PDMP data requirements.
- RTC User Story [223785](#): As a VA SPMP System Administrator, I would like to create a non-standard VA SPMP ASAP data segment, so I may conform to my state’s PDMP data requirements.
 - RTC Req [615391](#): The legacy VistA system shall allow the user to create a new, custom ASAP Data Segment name with five or less alpha characters beyond the available ASAP standard data elements for versions 4.2, 4.1, 4.0, and 3.0.
 - **Note:** The new Data Segment may be either a continuation of an existing segment name e.g. PHA or PAT or the generation of a not previously used segment name e.g. XYZ. New segments should be based on the ASAP specifications used for the site’s state PDMP.
 - RTC Req [615392](#): The legacy VistA system shall allow selection of the ASAP Data Segment Level from the list below:
 - MH - Main Header
 - PH – Pharmacy Header
 - PA – Patient Detail
 - RX – Prescription Detail
 - PT – Pharmacy Trailer
 - MT – Main Trailer
 - RTC Req [615393](#): The legacy VistA system shall allow the designate the custom Data Segment parent segment and position number within the ASAP message.

- RTC User Story [223792](#): As a VA SPMP System Administrator, I would like to create a non-standard VA SPMP ASAP data element, so I may conform to my state's PDMP data requirements.
 - RTC Req [615394](#): The legacy VistA system shall require the user to identify a new Data Element number between 01 and 999 to suffix to a newly created ASAP Data Segment name.
 - RTC Req [615395](#): The legacy VistA system shall restrict the user to the addition of sequential data element identification for a given segment.
 - **Note:** The user must not skip a number between the new data element and the prior number. For example DSP13 → DSP14 is acceptable; DSP13 → DSP15 is not acceptable.
 - RTC Req [615396](#): The legacy VistA system shall require the user to select the Data Element ASAP data types:
 - Alphanumeric
 - Numeric
 - Date
 - Time
 - Decimal
 - RTC Req [615397](#): The legacy VistA system shall restrict the data type to the following character lengths for custom Data Elements:
 - Alphanumeric – 255 Characters
 - Numeric – 255 Characters
 - Date – 8 Numeric Characters
 - Time – 6 Numeric Characters
 - Decimal – 3 Characters
 - RTC Req [615398](#): The legacy VistA system shall allow the user to enter a fixed value for a user-defined data element in the Alternate Value field.
 - **Note:** Customized mapping to existing VA files and fields is considered out of scope at this time for the SPMP Enhancement project
 - RTC Req [615399](#): The legacy VistA system shall allow the user to enter an M expression for a user-defined data element in the Alternate Value field.
- RTC User Story [223802](#): As a VA SPMP System Administrator, I would like to modify the delimiters used in the existing transmission of ASAP data elements so that I may avoid messaging failures.
 - RTC Req [615400](#): The legacy VistA system shall allow the ASAP End of Segment Control Character to be user definable to allow for vendor specific line feed processing.
 - **Note:** Some fields include embedded carriage return (CR) and line feed (LF) characters. Vendor Atlantic Associates, Inc. (AAI) requires a change to the current CR/LF processing. This specification enhances the system to have

acceptable CR/LF processing for all vendors. Although the ASAP standard does not require line feed returns, VA processing requires that the VA message be split into multiple lines.

- RTC Req [619503](#): The legacy VistA system shall allow the ASAP Segment Terminator Character to be user definable.
- RTC Req [615401](#): The legacy VistA system shall allow the ASAP Data Element Delimiter character to be user definable.
 - **Note:** The use of the asterisk (*) field separator character conforms to the ASAP standards in use.
- RTC Epic Story [223807](#): As a VA SPMP System Administrator, I would like to be able to upgrade from my current ASAP version to another ASAP version, so I may meet my state's ASAP versioning requirements.
- RTC User Story [223808](#): As a VA SPMP System Administrator, I would like to clone an existing ASAP Version and create a new version so that I may conform the specific state PDMP data requirements.
 - RTC Req [615402](#): The legacy VistA system shall allow the selection of an available ASAP version to be cloned.
 - RTC Req [615403](#): The legacy VistA system shall allow the user to supply a name to the newly cloned ASAP version with up to 10 alphanumeric characters and a decimal.
 - RTC Req [615404](#): The legacy VistA system shall clone the standard ASAP Data Elements for the ASAP version being cloned.
 - Note: The due to the usage of a newer ASAP version, the end-user must re-apply any site-tailored data elements to the newly cloned version.

3.6.2 SPMP ASAP Data Element Formatting Enhancement

- RTC Epic Story [223809](#): As a VA SPMP System Administrator, I would like to enhance existing ASAP Data Element logic so that I may supply my state PDMP more accurate information.
- RTC User Story [223816](#): As a VA SPMP System Administrator, I would like to modify the logic in which specific ASAP Data Elements are determined so that I may provide complete information to my state PDMP.
 - RTC Req [615405](#): The legacy VistA system shall determine the correct pharmacy phone number if the phone number field (PHA10) contains less than 10 digits.
 - **Note:** The phone number field (PHA10) is a situational field that may contain the entire 10-digit phone number of the pharmacy or just the extension. In cases where it is just the extension, the system shall determine the 10-digit phone number for this field. As an example: If less than 10 characters, obtain a different phone number by identifying the provider's primary division (a property of file

200), getting that division's station number (such as 528GA), finding a matching entry in PHARMACY SITE file 59 and substituting the phone number of that entry. Developers should investigate if there are other fields found in VistA that is more suitable representation of the pharmacy's "main phone number."

- RTC Req [615406](#): The legacy VistA system shall use the following fields in VistA for determining dependent eligibility for sharing of data for: 1) dependents of veterans and 2) dependents of active duty service members.
 - **Note:** The NASPER legislation allows transmission of data about "Veterans and their Dependents." Today the system does not use a mechanism to differentiate between dependents of veterans and Dependents of Active Duty Service Members (ADSMs). Consequently no information is shared on any dependents. Research into the VistA registration and eligibility files is required to determine if an identifier exists that would be able to differentiate the two types of dependents and include dependents of Veterans while continuing to exclude dependents of ADSMs.
- RTC Req [615407](#): The legacy VistA system shall use a consistent process to populate the Drug Enforcement Agency (DEA) code field (PHA 03) in the case where the DEA number of the pharmacy of a hospital and the hospital DEA number do not coincide.
 - **Note:** This specification will allow more accurate tracking when DEA numbers of hospitals and pharmacies differ.
- RTC User Story [223820](#): As a VA SPMP System Administrator, I would like to modify the field length to meet the character length requirements so I may conform to my state's PDMP data requirements.
 - RTC Req [615418](#): The system shall increase the size of the STATE SFTP SERVER IP ADDRESS field under VistA option View/Edit SPMP State Parameters [PSO SPMP STATE PARAMETERS] to the maximum allowable lengths (255 characters) for those fields.
 - RTC Req [615419](#): The system shall increase the size of the STATE SFTP SERVER USERNAME field under VistA option View/Edit SPMP State Parameters [PSO SPMP STATE PARAMETERS] to the maximum allowable lengths (255 characters) for those fields.
 - **Note:** The system currently accepts server IP and username data input. However, the fields are not big enough to contain the username provided by at least one vendor. This specification requires that both fields are big enough to contain the maximum allowable lengths for the server IP and username data.
 - RTC Req [615420](#): The system shall ensure that field IS02 (Information Source Entity Name) does not exceed the maximum length of 60 characters.

- **Note:** According to the ASAP standard, the IS02 (Information Source Entity Name) field has a maximum length of 60 characters. This specification requires the system to adhere to this maximum length.

3.6.3 SPMP Security Enhancement

- RTC Epic Story [223822](#): As a VA SPMP System Administrator, I would like to update the existing VA SPMP network and message security capabilities so that I may prevent a security incursion during the transmission of ASAP Data Elements to my state PDMP.
- RTC User Story [223823](#): As a VA SPMP System Administrator, I would like to update the VA SPMP security key functionality so that I may prevent a data breach during the transmission of ASAP Data Elements to my state PDMP.
 - RTC Req [628908](#): The legacy VistA system shall create a new SPMP option called Secure Shell (SSH) Keys [PSO SPMP SSH KEY MANAGEMENT]
 - RTC Req [628909](#): The legacy VistA system shall supply the user with the options to View an existing Public SSH Key, Create a new SSH Key Set (Pair), Delete an existing SSH Key Set (Pair) or access help information regarding SSH Key generation.
 - RTC Req [615422](#): The Linux-hosted version of the application shall have the ability to create Secure Shell (SSH) keys in either the Rivest-Shamir-Adleman (RSA) Encryption or Digital Signature Algorithm (DSA) Encryption formats..
 - **Note:** The Linux-hosted version of the application currently has no scripted or automated way to create SSH keys. This specification enhances the system to have a well-defined way to create SSH keys for use by Linux-hosted systems.
 - RTC Req [615421](#): The system shall manage (store/retrieve) the (RSA) and DSA public and private encryption keys in a secure manner. If encryption is not feasible, keys shall be stored in a restricted access location.
 - **Note:** The system currently stores RSA keys as plaintext in FileMan. This specification requires a more secure manner for storing the RSA keys.
 - RTC Req [628910](#): The legacy VistA system shall require the entry of the user's current encrypted Signature Code to create or delete an SSH key set (pair).
 - RTC Req [615423](#): The system shall update the silent SSH command that adds IP addresses to the list of known hosts to always require the port number parameter.
 - **Note:** The system does not properly update the local known hosts file in all cases. Requiring the port number parameter during the silent SSH command will ensure that the local known hosts file is updated in all cases.
 - RTC Req [619508](#): The legacy VistA system shall supply a new User key called PSO SPMP ADMIN to access specified SPMP options.
 - RTC Req [615424](#): The legacy VistA system shall require the PSO SPMP ADMIN [User] key to access the View ASAP Definitions [PSO SPMP VIEW ASAP

DEFINITIONS], Manage Secure Shell (SSH) Keys [PSOP SPMP SSH KEY MANAGEMENT], and View/Edit SPMP State Parameters [PSO SPMP STATE PARAMETERS] options.

3.6.4 SPMP Troubleshooting Enhancement

- RTC Epic Story [223827](#): As a VA SPMP System Administrator, I would like to improve the troubleshooting tools that I may more easily determine the success or failure of the transmission of ASAP Data Elements to my state PDMP.
- RTC User Story [223828](#): As a VA SPMP System Administrator, I would like to update the existing VA SPMP troubleshooting functionality so that I may take necessary corrective action prior to or following the transmission of ASAP Data Elements to my state PDMP.
 - RTC Req [615428](#): The Virtual Memory System (VMS)-hosted application shall retain log files for a minimum of 24 hours to assist with troubleshooting.
 - **Note:** The VMS application does not retain log files long enough for review. Retaining the log files for a longer period of time will allow better troubleshooting when an error occurs. Analysis of the time to retain the log file should occur to confirm if 24 hours is an appropriate length of time.
 - RTC Req [615429](#): The Linux-hosted version of the application shall correctly process the transmission log file to report a successful or failed transmission.
 - **Note:** The Linux-hosted version of the application incorrectly processes the transmission log file when reporting a successful or failed transmission. A failed transmission is not always reported. This specification will correct the transmission log file processing logic, so proper status will be reported.
 - RTC Req [615431](#): The system shall enhance the file upload processing to have options to upload and rename files or upload files directly.
 - **Note:** When transmitting files to external systems, sometimes the external system processes the file before the transmission is complete. This specification enhances the system to upload files with a temporary name and rename files when the transmission is complete. This will ensure that file transmissions are complete before external systems process those files. The system shall also have the ability to upload files directly, without renaming files.
 - RTC Req [615432](#): The system shall make the PSO SPMP Notification mail group public and redistribute it.
 - **Note:** The PSO SPMP Notification mail group does not function properly as a private group. This specification requires this mail group to be public, so it will function as expected.

- RTC Req [628912](#): The legacy Vista system shall update the access to read-only for File 58.41 SPMP STATE PARAMETERS and 58.42 SPMP EXPORT BATCH allowing for a FileMan report to be run on these files
 - Note: In PSO*7*408, these two files were both locked down by @ access that prevented a FileMan report to be run.

3.6.5 State-Specific Specifications

The State-Specific Specifications were part of the initial draft version of the RSD. They are being maintained in this document for the purpose of historical references that fed into the overall technical design solution. The proceeding functional requirements shall supply the capability to satisfy the business requirements identified in this State-Specific section.

The discovery of the state-specific requirements specifications focused on nine states: California (CA), Illinois (IL), Indiana (IN), Massachusetts (MA), Michigan (MI), Nebraska (NE), New York (NY), Texas (TX), and Wyoming (WY). The sections below describe the state-specific requirements specifications in detail.

3.6.5.1 The system shall implement a PDMP data transmission to CA.

3.6.5.1.1 Data transmissions shall adhere to requirements outlined in state submitter guides.

3.6.5.1.2 The system shall populate field PHA11 with an appropriate value such as the DEA# followed by the character 'B.'

Note: Multiple states require additional information about the dispensing pharmacist in the Pharmacy Header (PHA) segment of the ASAP standard. CA is managed by vendor AAI. Prescription monitoring adheres to ASAP 4.1 version.

3.6.5.2 The system shall implement a PDMP data transmission to IL.

3.6.5.2.1 Data transmissions shall adhere to requirements outlined in state submitter guides.

3.6.5.2.2 The system shall populate the PHA11 (contact name) field with the pharmacy contact number.

Note: Multiple states require additional information about the dispensing pharmacist in the PHA segment of the ASAP standard. IL is managed by vendor AAI. Prescription monitoring adheres to ASAP 4.1 version.

3.6.5.3 The system shall implement a PDMP data transmission to IN.

3.6.5.3.1 Data transmissions shall adhere to requirements outlined in the Indiana Prescription Monitoring Program Data Reporting Manual.

3.6.5.3.2 The system shall populate field DSP17 (Date Sold) per the ASAP standard.

3.6.5.3.3 The system shall populate field IS03 (Message) on zero reports per the ASAP standard.

3.6.5.3.4 The system shall populate field IS01 (Unique Information Source ID) with the phone number per the ASAP standard.

Note: Prescriptions can only be uploaded manually to IN PDMP system: Indiana Scheduled Prescription Electronic Collection and Tracking (INSPECT). To date there has not been a successful transmission from our VA sites to INSPECT. IN is managed by vendor Optimum Technology (OTECH). OTECH and Appriss are

currently merging but will continue to manage their respective clients for the foreseeable future. Prescription monitoring adheres to ASAP 4.2 version.

- 3.6.5.4 The system shall implement a PDMP data transmission to MA.
- 3.6.5.4.1 Data transmissions shall adhere to requirements outlined in the MA Prescription Monitoring Program (PMP) Pharmacy Data Entry and Data Submitter's Guide Utilizing ASAP 4.2. Additional information is available in the MA PMP Pharmacy Data Entry and Data Submitter's FAQ Utilizing ASAP 4.2.
- 3.6.5.4.2 When applicable as detailed in the submitter guide above the system shall populate the following:
- AIR 03: Issuing Jurisdiction (of AIR05 identification [ID]), with code for Other in the List of Jurisdictions "99."
 - AIR 04: ID Qualifier of Person Dropping Off or Picking Up Prescription (Rx)
 - AIR 05: ID of Person Dropping Off or Picking Up Rx (Customer ID)
 - AIR 06: Relationship of Person Dropping Off or Picking Up Rx; Use only the codes "01" for the patient or "99" for any other person.
- 3.6.5.4.3 When submitting data utilizing the "deliveries exception," the system shall populate the relevant ASAP fields as follows:
- AIR03 [Issuing Jurisdiction of the Customer ID] – Leave blank.
 - AIR04 [ID Qualifier] – Leave blank.
 - AIR05 [Customer ID] - Enter "delivery."
 - AIR06 [Relationship of the customer to the patient] – Leave blank.
- 3.6.5.4.4 The system shall populate the PHA11 (Contact Name) field with the pharmacy contact number.
- 3.6.5.4.5 The system shall populate the PAT21 (Patient Location) field.
Note: MA is managed by vendor AAI. Prescription monitoring adheres to ASAP 4.2 version.
- 3.6.5.5 The system shall implement a PDMP data transmission to MI.
- 3.6.5.5.1 Data transmissions shall adhere to requirements outlined in the MI PMP Pharmacy Data Entry and Data Submitter's Guide Utilizing ASAP 4.2.
- 3.6.5.5.2 The system shall populate IS01 with the telephone number of the pharmacy
- 3.6.5.5.3 The system shall populate IS02 with the pharmacy name.
Note: MI is managed by vendor Michigan Automated Prescription System (MAPS). Prescription monitoring adheres to ASAP 4.1 version.
- 3.6.5.6 The system shall implement a PDMP data transmission to NE.
Note: NE prescription data is currently managed by vendor Surescripts. However, there is a plan to move to vendor DrFirst starting in March 2016 with an estimated implementation of August 2016. NE currently does *not* use the ASAP standard for prescription monitoring. Currently the system accepts data in National Council for Prescription Drug Programs (NCPDP) SCRIPT format. This system is part of a Health Information Exchange (HIE) so data transmission requirements will not follow other state implementation guidelines.

- 3.6.5.7 The system shall implement a PDMP data transmission to NY.
- 3.6.5.7.1 Data transmissions shall adhere to requirements outlined in the Submitter's Guide to Electronic Data Transmission for the New York State PMP data collection tool.
- 3.6.5.7.2 The system shall send the Date Sold data in field DSP17 (Date Sold), in the correct format.
- Note:** NY Department of Health (NYDOH) manages their prescription data. The system shall utilize Universal Public Health Node (UPHN) system called UPHN Lite for transmission of data to NY. Prescription monitoring adheres to ASAP 4.2 version. To date there has not been a successful transmission from the SPMP system.
- 3.6.5.8 The system shall implement a PDMP data transmission to TX.
- 3.6.5.8.1 Data transmissions shall adhere to requirements outlined in the Texas Prescription Program Data Collection Manual.
- 3.6.5.8.2 The system shall populate ASAP fields DSP19, DSP20 and segments AIR1 and AIR2.
- 3.6.5.8.3 The system shall populate field DSP17 (Date Sold).
- 3.6.5.8.4 The system shall populate field IS03 date range on every report per the ASAP standard.
- 3.6.5.8.5 The system shall populate field IS01 (Unique Information Source ID) with the phone number per the ASAP standard.
- 3.6.5.8.6 The system shall populate the control number data from written C2 prescriptions in the AIR02 (State Issued Rx Serial Number) field per the ASAP standard.
- 3.6.5.8.7 The system shall report C2 prescriptions with field DSP12 (Transmission Form of Rx Origin Code) = '05' for electronic prescription, along with either field below:
- DSP19 (RxNorm Code)
 - AIR02 (State Issued Rx Serial Number)
- Note:** TX is managed by vendor OTECH. OTECH and Appriss are currently merging but will continue to manage their respective clients for the foreseeable future. Prescription monitoring adheres to ASAP 4.2 version.
- 3.6.5.9 The system shall implement a PDMP data transmission to WY.
- 3.6.5.9.1 Data transmissions shall adhere to requirements outlined in state submitter guides.
- 3.6.5.9.2 The system shall populate the PHA11 (contact name) field with the pharmacy contact number.
- Note:** Multiple states require additional information about the dispensing pharmacist in the PHA segment of the ASAP standard. WY is managed by vendor AAI.

3.7 Graphical User Interface Specifications

Not applicable

3.8 Multi-divisional Specifications

Not applicable

3.9 Performance Specifications

Section 3.9 remains unchanged from the previous enhancement PSO_7_408.

3.10 Quality Attributes Specification

Section 3.10 remains unchanged from the previous enhancement PSO_7_408.

3.11 Reliability Specifications

Section 3.11 remains unchanged from the previous enhancement PSO_7_408.

3.12 Scope Integration

There is a potential that Nebraska requirements will have a dependency on HIE interfaces at the state level.

3.13 Security Specifications

Section 3.13 remains unchanged from the previous enhancement PSO_7_408.

3.14 System Features

For this release please refer to Section 3.6.

3.15 Usability Specifications

Not applicable

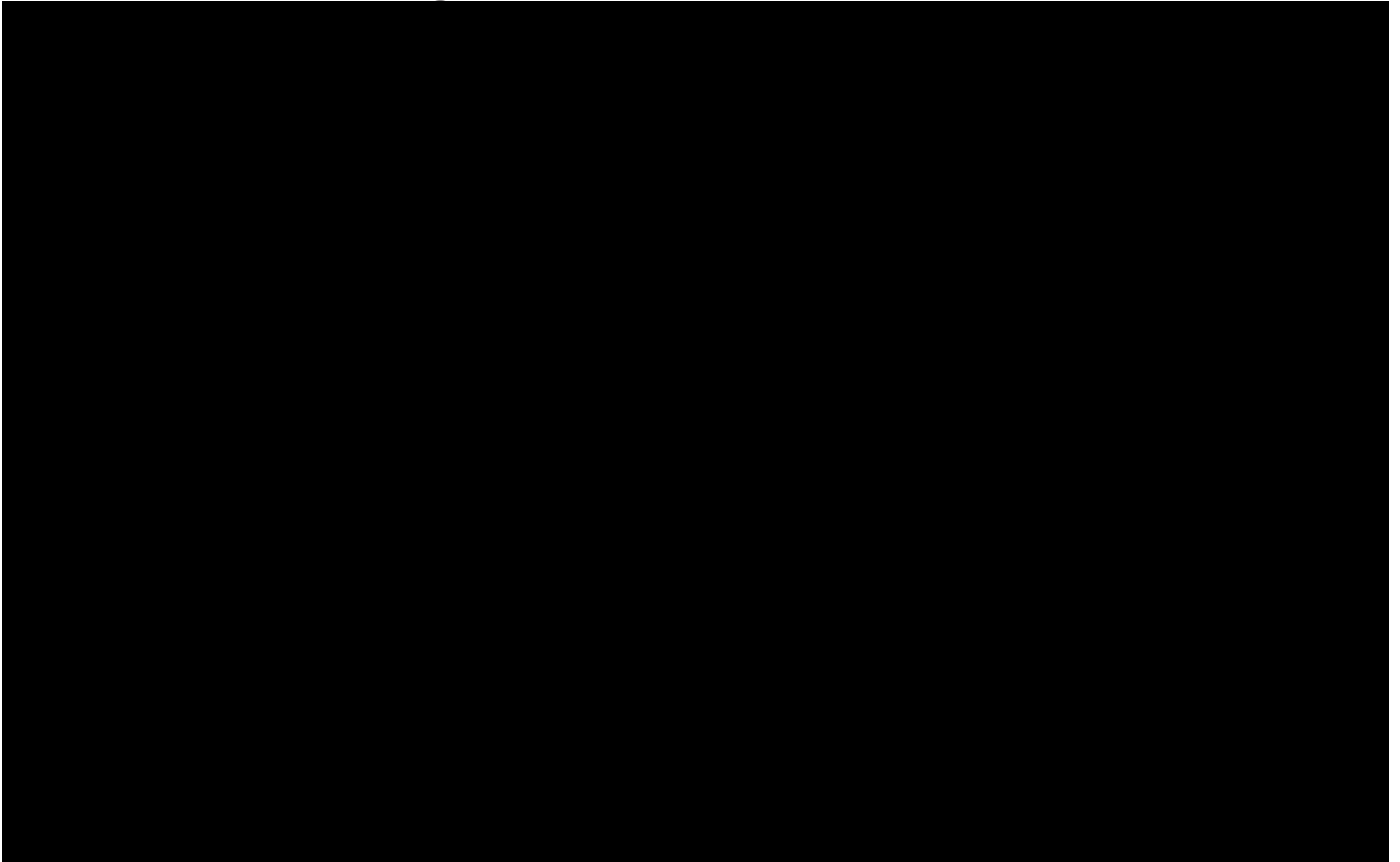
4 Non Functional Requirements

Section 4.0 remains unchanged from the previous enhancement PSO_7_408.

5 Purchased Components


Analysis may determine that the most effective solution to ensure security on private key (See Requirement **Error! Reference source not found..**) may require purchasing of a third party software.

6 Approval Signatures





Appendix A: Vendor/State Status

States suffixed with an asterisk (*), are the states that requested the enhancements contained within this requirements document.

Vendor	States	System is Resilient	System is FIPS 140-2 compliant	Contact
Atlantic Associates, Inc. (AAI)	California*, Illinois*, Massachusetts*, Wyoming*	Yes	<p>No.</p> <p>The information we collect does not include health and/or diagnosis code information, insurance information, no social security numbers, no credit card numbers or banking information.</p> <ol style="list-style-type: none"> 1. Password protection for files on AAI's computers and servers. 2. Encrypted, daily backups. 3. Limited access area (locked) for storage and processing of media data. <ol style="list-style-type: none"> a. All removable media and paper claim forms from submitters are destroyed each month, after all files are processed. This information will be stored in a locked container. A qualified third party is contracted to pick up and destroy the contents. AAI obtains a 'Certificate of Destruction' each time this occurs. 4. Nondisclosure agreement from all employees designated to work on the program. 5. Only personnel required to access data will have permissions to do so. <p>All AAI computers and servers are behind a firewall, with the most current content</p>	

Vendor	States	System is Resilient	System is FIPS 140-2 compliant	Contact
Montana Interactive	Montana	No response to date.	Yes	[REDACTED]
New York Department of Health (NYDOH)	New York*	Awaiting response	Yes	[REDACTED] govPh: 1-866-811-7957,
Ohio Automated Rx Reporting System (OARRS)	Ohio	Yes	No	[REDACTED]
Applied Machine Intelligence, LLC (AMTECH) - Product is RxDataTrack.	West Virginia	No information provided.	No response to date.	[REDACTED]
Health Information Design (HID) - Product: RxSentrys	Colorado, Arkansas, Kentucky, North Carolina, Oklahoma, Alaska, Hawaii, Oregon, Washington, Minnesota, South Dakota, Wisconsin, Alabama, Florida, Georgia, South Carolina, Delaware, Maine, Maryland, New Hampshire, Vermont	Yes.	No	[REDACTED]

Vendor	States	System is Resilient	System is FIPS 140-2 compliant	Contact
Nebraska	Nebraska	NA – They do not utilize the ASAP standard and are in the process of moving to a new vendor.	NA	
Utah Controlled Substance Database Program (CSDP)	Utah	Yes	Yes	

Appendix B: State Implementation Guides

State	State Implementation Guide/ Comments
California	State Prescription Monitoring Program Enhancement <ul style="list-style-type: none"> Miscellaneous ---- Non Process Documents
Illinois	Not received to date
Indiana	State Prescription Monitoring Program Enhancement <ul style="list-style-type: none"> Miscellaneous ---- Non Process Documents
Massachusetts	State Prescription Monitoring Program Enhancement Miscellaneous --- State PDMP Manuals
Michigan	State Prescription Monitoring Program Enhancement <ul style="list-style-type: none"> Miscellaneous ---- Non Process Documents
Nebraska	Not received to date
New York	State Prescription Monitoring Program Enhancement <ul style="list-style-type: none"> Miscellaneous ---- Non Process Documents
Texas	State Prescription Monitoring Program Enhancement <ul style="list-style-type: none"> Miscellaneous ---- Non Process Documents
West Virginia	State Prescription Monitoring Program Enhancement <ul style="list-style-type: none"> Miscellaneous ---- Non Process Documents
Wyoming	Not received to date

Appendix C: Previous RSD/SDD

RSD/SDD PSO No.	Previous Requirements Specification Document/Software Design Document
PSO_7_408 RSD	Safety Updates for Medication Prescription Management (SUMPM) Project Planning -- Requirements Specification Document
PSO_7_408 SDD	Safety Updates for Medication Prescription Management (SUMPM) Project Planning -- Software Design Document

Appendix D: Acronyms

Term	Definition
AAI	Atlantic Associates, Inc.
ADSM	Active Duty Service Members
AMHTECH	Applied Machine Intelligence, LLC
ASAP	American Society for Automation in Pharmacy
CA	California
CR	Carriage Return
CSDP	Controlled Substance Database Program
DEA	Drug Enforcement Agency
DSA	Digital Signature Algorithm
FIPS	Federal Information Processing Standard
GUI	Graphical User Interface
HID	Health Information Design
ID	Identification
IL	Illinois
IN	Indiana
INSPECT	Indiana Scheduled Prescription Electronic Collection and Tracking
IP	Internet Protocol
IPT	Integrated Project Team
LF	Line Feed
MA	Massachusetts
MI	Michigan
NASPER	National All Schedules Prescription Electronic Reporting Act
NE	Nebraska
NSR	New Service Request
NY	New York
NYDOH	New York Department of Health
OARRS	Ohio automated Rx Reporting System
OM	Operations and Maintenance
OTECH	Optimum Technology
PDMP	Prescription Drug Monitoring Programs
PL	Public Law
PMP	Prescription Monitoring Programs
PSI	Patient Safety Issues
RSA	Rivest-Shamir-Adelman
RSD	Requirements Specification Document
Rx	Prescription
SDD	System Design Document
SPMP	State Prescription Monitoring Program Enhancement
SSH	Secure Shell
TSPR	Technical Services Project Repository
UPHN	Universal Public Health Node
VHA	Veterans Health Administration
VMS	Virtual Memory System
WY	Wyoming

Appendix E: Acronyms

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
TH – Transaction Header (Header Core Reporting Segment – Required)						
TH01 - Version / Release Number		Alphanumeric	4	File: SPMP STATE PARAMETERS (#58.41) Field: ASAP VERSION field (#1)		
TH02 - Transaction Control Number		Alphanumeric	40	VA Site Number – Export Batch Number Example: 500-3038		How is this generated? Is it site code plus a sequential 4 digit number?
TH03 - Transaction Type		Numeric	2	Always reported as 01		
TH04 - NOT USED	TH04-Response ID	Alphanumeric	40	Not used – default is null		Default is null
TH05 - Creation Date		Date	8	Date the Export Batch was created Example: 20130115		
TH06 - Creation Time		Time	6	Time the Export Batch was created Example: 091522		
TH07 - File Type		Alphanumeric	1	• P (Production) is reported when running from a production account • T (Test) is reported when running from a non-production account		
TH08 - NOT USED	TH08-Routing Number	Numeric	6	Not used – default is null		Default is null
TH09 - Data Segment Terminator Character		Alphanumeric	1	• For ASAP versions 4.2 and 4.1 versions, the separator is set to “~” (tilde)		
IS Information Source (Header Core Reporting Segment – Required)						

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
IS01 - Unique Information Source ID		Alphanumeric	10	"VA" concatenated with the VA Site Number Example: VA500		
IS02 - Information Source Entity Name		Alphanumeric	60	File: INSTITUTION (#4) Field: OFFICIAL VA NAME (#100) Example: OKLAHOMA CITY VA MEDICAL CENTER		
	ISO3-Message	Alphanumeric	60	Not used – default is null		Default is null
PHA Pharmacy Header (Header Core Reporting Segment – Required)						
PHA01 - National Provider Identifier (NPI)		Alphanumeric	10	Retrieved via the Kernel API \$\$NPI^XUSNPI (DBIA # 4532) using the NPI INSTITUTION field (#101) in the OUTPATIENT SITE file (#59) Example: 1043278211		
PHA02 - NCPDP/NABP Provider ID		Alphanumeric	7	File: OUTPATIENT SITE (#59) Field: NCPDP NUMBER (#1008) Option: Site Parameter Enter/Edit [PSO SITE PARAMETERS] Example: 3706972		
PHA03 - DEA Number		Alphanumeric	9	Retrieved via the Kernel API \$\$WHAT^XUAF4 (DBIA # 2171) using the RELATED INSTITUTION field (#100) in the OUTPATIENT SITE file		

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
				(#59) Example: AV4597211		
PHA04 - Pharmacy Name		Alphanumeric	60	File: OUTPATIENT SITE (#59) Field: NAME (#.01) Option: Site Parameter Enter/Edit [PSO SITE PARAMETERS] Example: OKLAHOMA CITY		
PHA05 - Address Information - 1		Alphanumeric	30	File: OUTPATIENT SITE (#59) Field: MAILING FRANK STREET (#.02) Option: Site Parameter Enter/Edit [PSO SITE PARAMETERS] Example: 921 N.E. 13th. Street (119)		
PHA06 - Address Information - 2		Alphanumeric	30	Not Used		
PHA07 - City Address		Alphanumeric	25	File: OUTPATIENT SITE (#59) Field: MAILING FRANK CITY (#.07) Option: Site Parameter Enter/Edit [PSO SITE PARAMETERS] Example: OKLAHOMA CITY		
PHA08 - State Address		Alphanumeric	2	File: STATE (#5) Field: ABBREVIATION (#1) Option: Site Parameter		

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
				Enter/Edit [PSO SITE PARAMETERS] Example: OK Note: The pointer to STATE file (#5) is retrieved from OUTPATIENT SITE file (#59) MAILING FRANK STATE field (#.08).		
PHA09 - ZIP Code Address		Alphanumeric	9	File: OUTPATIENT SITE (#59) Field: MAILING FRANK ZIP+4 CODE (#.05) Option: Site Parameter Enter/Edit [PSO SITE PARAMETERS] Example: 731045028 (no dash)		
PHA10 – Phone Number		Alphanumeric	10	File: OUTPATIENT SITE (#59) Field: PHONE NUMBER (#.04) Option: Site Parameter Enter/Edit [PSO SITE PARAMETERS] Example: 4056948387 (no dashes)		
	PHA11 – Contact Name	Alphanumeric	30	Not used – default is null		
	PHA12 - Chain Site ID	Alphanumeric	10	Not used – default is null		
PAT Patient Information (Detail Core Reporting Segment – Required)						
PAT01 - ID Qualifier of Issuing Jurisdiction		Alphanumeric	2	Always “US” (United States)		

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
PAT02 - ID Qualifier		Numeric	2	Always 07 (Social Security Number)		NOTE: Check updated reqs to make sure this still valid for states like MA
PAT03 - ID of Patient		Alphanumeric	20	Retrieved via the Kernel API \$\$DEM^VADPT (DBIA #10061) return variable VADM(2) Example: 666554444 (no dashes)		
PAT04 - NOT USED	PAT04 - ID Qualifier of Additional Patient identifier	Alphanumeric	2	Not used – default is null		
PAT05 - NOT USED	PAT05 - Additional Patient ID Qualifier	Numeric	2	Not used – default is null		
PAT06 - NOT USED	PAT06 - Additional ID	Alphanumeric	20	Not used – default is null		
PAT07 - Last Name		Alphanumeric	50	Retrieved via the Kernel API \$\$DEM^VADPT (DBIA #10061) return variable VADM(1) – first value before the comma (e.g., SMITH, JOHN F) Example: SMITH		
PAT08 - First Name		Alphanumeric	50	Retrieved via the Kernel API \$\$DEM^VADPT (DBIA #10061) return variable VADM(1) – first value after the comma and before blank space (e.g., SMITH, JOHN F) Example: JOHN		
PAT09 - Middle Name		Alphanumeric	30	Retrieved via the Kernel API \$\$DEM^VADPT (DBIA #10061) return variable VADM(1) –value		

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
				following the first name (e.g., SMITH, JOHN F) Example: F		
PAT10 - Name Prefix		Alphanumeric	10	Not used – default is null		
PAT11 - Name Suffix		Alphanumeric	10	Not used – default is null		
PAT12 - Address Information - 1		Alphanumeric	35	Retrieved via the Registration API \$\$ADD^VADPT (DBIA #10061) return variable VAPA(1) Example: 1235 STREET NAME ST		
PAT13 - Address Information - 2		Alphanumeric	35	Retrieved via the Registration API \$\$ADD^VADPT (DBIA #10061) return variable VAPA(2) Example: BLDG 101 APT #102		
PAT14 - City Address		Alphanumeric	20	Retrieved via the Registration API \$\$ADD^VADPT (DBIA #10061) return variable VAPA(4) Example: ARDMORE		
PAT15 - State Address		Alphanumeric	10	Retrieved via the Registration API \$\$ADD^VADPT (DBIA #10061) return variable VAPA(5) Example: OK		
PAT16 - ZIP Code Address		Alphanumeric	9	Retrieved via the Registration API \$\$ADD^VADPT (DBIA		

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
				#10061) return variable VAPA(6) Example: 723005500 (no dash)		
PAT17 - Phone Number		Alphanumeric	10	Retrieved via the Registration API \$\$ADD^VADPT (DBIA #10061) return variable VAPA(8) Example: 4245556666 (no dashes)		
PAT18 - Date of Birth		Date	8	Retrieved via the Kernel API \$\$DEM^VADPT (DBIA #10061) return variable VADM(3) Example: 19661112		
PAT19 - Gender Code		Alphanumeric	1	Retrieved via the Kernel API \$\$DEM^VADPT (DBIA #10061) return variable VADM(5). If no value is found .reports U Example: F		
PAT20 - Species Code		Numeric	2	Always 01 (Human)		
PAT21 - Patient Location Code		Numeric	2	Always 10 (Outpatient)		
PAT22 - Country of Non-U.S. Resident		Alphanumeric	20	Retrieved via the Registration API \$\$ADD^VADPT (DBIA #10061) return variable VAPA(25) Example: MX		
	PAT23 – Name of Animal	Alphanumeric	30	Not Used		

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
DSP Dispensing Record (Detail Core Reporting Segment – Required)						
DSP01 - Reporting Status		Numeric	2	<ul style="list-style-type: none">• 00 New Record• 01 Revise Record• 02 Void Record		
DSP02 - Prescription Number		Alphanumeric	25	File: PRESCRIPTION (#52) Field: RX # (#.01) Example: 10930393		
DSP03 - Date Written		Date	8	File: PRESCRIPTION (#52) Field: ISSUE DATE (#1) Example: 20130117		
DSP04 - Refills Authorized		Number	2	File: PRESCRIPTION (#52) Field: # OF REFILLS (#9) Example: 5		
DSP05 - Date Filled		Date	8	<ul style="list-style-type: none">• Original FillFile: PRESCRIPTION (#52)Field: RELEASED DATE/TIME (#31)• RefillSub-File: REFILL (#52.1)Field: RELEASED DATE/TIME (#17)• PartialSub-File: PARTIAL (#52.2)Field: RELEASED DATE/TIME (#8)Example: 20130118• Original		
DSP06 - Refill		Number	2			

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
Number				0 • Refill Refill # (e.g., 1, 2, ...) • Partial 0		
DSP07 - Product ID Qualifier		Number	2	Always 01 (NDC)		
DSP08 - Product ID		Alphanumeric	15	• Original Fill File: PRESCRIPTION (#52) Field: NDC (#27) • Refill Sub-File: REFILL (#52.1) Field: NDC (#11) • Partial File: PRESCRIPTION (#52) Field: NDC (#27) Example: 55555444422 (no dashes)		
DSP09 - Quantity Dispensed		Date	11	• Original Fill File: PRESCRIPTION (#52) Field: QTY (#7) • Refill Sub-File: REFILL (#52.1) Field: QTY (#1) • Partial Sub-File: PARTIAL (#52.2) Field: QTY (#.04) Example: 55555444422		

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
DSP10 - Days Supply		Number	3	(no dashes) • Original Fill File: PRESCRIPTION (#52) Field: DAYS SUPPLY (#8) • Refill Sub-File: REFILL (#52.1) Field: DAYS SUPPLY (#1.1) • Partial Sub-File: PARTIAL (#52.2) Field: QTY (#.041) Example: 90		
DSP11 - Drug Dosage Units Code		Number	2	File: DRUG (#50) Field: NCPDP DISPENSE UNIT (#82) • 01 EA • 02 ML • 03 GM • (Blank) Other		
DSP12 - Transmission Form of Rx Origin		Number	2	The CPRS API \$\$NATURE^ORUTL3 (IA# 5890) provides the Nature of Order, which is translated the following way: • 01 W • 02 V or T • 05 E • 99 Other		
DSP13 - Partial Fill		Number	2	• 00 Non-Partial Fill		

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
Indicator				<ul style="list-style-type: none"> • 01 Partial 1 • 02 Partial 2 • 03 Partial 3 		
DSP14 - Pharmacist National Provider Identifier (NPI)		Alphanumeric	10	Retrieved via the Kernel API \$\$NPI^XUSNPI (DBIA # 4532) using the prescription fill pharmacist. Example: 1043278211		
DSP15 - Pharmacist State License Number		Alphanumeric	10	Not used – default is null		
DSP16 - Classification Code for Payment Type		Number	2	Always 05 (Military Installations and VA)		
	DSP17 - Date Sold	Date	8	Not used – default is null		
	DSP18 – RxNorm Product Qualifier	Numeric	2	Not used – default is null		
	DSP19 – RxNorm Code	Alphanumeric	15	Not used – default is null		
	DSP20 – Electronic Prescription Reference Number		35	Not used – default is null		
	DSP21 – Electronic Prescription Order Number	Alphanumeric	35	Not used – default is null		
PRE Prescriber Information (Detail Core Reporting Segment – Required)						
PRE01 - National Provider Identifier (NPI)		Alphanumeric	10	Retrieved via the Kernel API \$\$NPI^XUSNPI (DBIA # 4532) using the prescription fill provider Example: 1043278211		
PRE02 - DEA Number		Alphanumeric	9	First “-” (dash) piece of the value returned by the Kernel API \$\$DEA^XUSER (DBIA #		

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
				2343) using the prescription fill provider Example: AV4598251		
PRE03 - DEA Number Suffix		Alphanumeric	7	Second “-” (dash) piece of the value returned by the Kernel API \$\$DEA^XUSER (DBIA # 2343) using the prescription fill provider Example: 4598251PP		
PRE04 - Prescriber State License Number		Alphanumeric	20	Not used – default is null		
PRE05 - Last Name		Alphanumeric	50	File: NEW PERSON (#200) Field: NAME (#.01) First value before the comma (e.g., SMITH, JOHN F) Example: SMITH		
PRE06 - First Name		Alphanumeric	50	File: NEW PERSON (#200) Field: NAME (#.01) First value after the comma and before blank space (e.g., SMITH, JOHN F) Example: JOHN		
PRE07 - Middle Name		Alphanumeric	30	File: NEW PERSON (#200) Field: NAME (#.01) First value after the comma and after the first blank space (e.g., SMITH, JOHN F)		

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
PRE08 - Phone Number		Numeric	10	Example: F File: NEW PERSON (#200) Field: PHONE NUMBER # (#.132) Example: 5559998888 (no dashes)		
CDI Compound Drug Ingredient Detail (Detail Core Reporting Segment – Situational)						
	CDI01-Compound Drug Ingredient Sequence Number	Numeric	2	Calculated for each transmission		
	CDI02-Product ID Qualifier	Numeric	2			
	CDI03-Product ID	Alphanumeric	15			
	CDI04-Component Ingredient Quantity	Decimal	11			
	CDI05-Compound Drug Dosage Units Code	Numeric	2			
AIR Additional Information Reporting (Detail Core Reporting Segment – Situational)						
	AIR01-State Issuing Rx Serial Number	Alphanumeric	2			
	AIR02-State Issued Rx Serial Number	Alphanumeric	20			
	AIR03-ID Issuing Jurisdiction	Alphanumeric	2			
	AIR04-ID Qualifier of Person Dropping Off or Picking up Rx	Numeric	2			
	AIR05-ID of Person Dropping Off or Picking Up Rx	Alphanumeric	20			

ASAP version 4.2						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
	AIR06 – Relationship of Person Dropping Off or Picking Up Rx	Numeric	2			
	AIR07-Last Name of Person Dropping Off or Picking Up Rx	Alphanumeric	50			
	AIR08-First Name of Person Dropping Off or Picking Up Rx	Alphanumeric	50			
	AIR09-Last Name or Initials of Pharmacist	Alphanumeric	50			
	AIR10-First Name of Pharmacist	Alphanumeric	50			
	AIR11-Dropping Off/Picking Up Identifier Qualifier	Numeric	2			
TP Pharmacy Trailer (Summary Core Reporting Segment – Required)						
TP01 - Detail Segment Count		Numeric	10	Calculated for each transmission		
TT Transaction Trailer (Summary Core Reporting Segment – Required)						
TT01 - Transaction Control Number		Alphanumeric	40	Same as TH02		
TT02 - Segment Count		Number	10	Calculated for each transmission		

ASAP version 4.1						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
TH – Transaction Header (Header Core Reporting Segment – Required)						
TH01 - Version / Release Number		Alphanumeric	4			
TH02 - Transaction Control Number		Alphanumeric	40			
TH03 - Transaction Type		Numeric	2			
TH04 - NOT USED	TH04-Response ID	Alphanumeric	10			
TH05 - Creation Date		Date	8			
TH06 - Creation Time		Time	6			
TH07 - File Type		Alphanumeric	1			
TH08 - NOT USED	TH08-Routing Number	Numeric	6			
TH09 - Data Segment Terminator Character		Alphanumeric	1			
IS Information Source (Header Core Reporting Segment – Required)						
IS01 - Unique Information Source ID		Alphanumeric	10			
IS02 - Information Source Entity Name		Alphanumeric	60			
	ISO3-Message	Alphanumeric	60			
PHA Pharmacy Header (Header Core Reporting Segment – Required)						
PHA01 - National Provider Identifier (NPI)		Alphanumeric	10			
PHA02 - NCPDP/NABP Provider ID		Alphanumeric	7			
PHA03 - DEA Number		Alphanumeric	9			
PHA04 - Pharmacy Name		Alphanumeric	60			

ASAP version 4.1						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
PHA05 - Address Information - 1		Alphanumeric	30			
PHA06 - Address Information - 2		Alphanumeric	30			
PHA07 - City Address		Alphanumeric	25			
PHA08 - State Address		Alphanumeric	2			
PHA09 - ZIP Code Address		Alphanumeric	9			
PHA10-Phone Number		Alphanumeric	10			
	PHA11 – Contact Name	Alphanumeric	30			
	PHA12 - Chain Site ID	Alphanumeric	10			
PAT Patient Information (Detail Core Reporting Segment – Required)						
PAT01 - ID Qualifier of Issuing Jurisdiction		Alphanumeric	2			
PAT02 - ID Qualifier		Numeric	2			
PAT03 - ID of Patient		Alphanumeric	20			
PAT04 - NOT USED	PAT04 – ID Qualifier of Additional Patient Identifier	Alphanumeric	2			
PAT05 - NOT USED	PAT05 - Additional Patient ID Qualifier	Numeric	2			
PAT06 - NOT USED	PAT06 - Additional ID	Alphanumeric	20			
PAT07 - Last Name		Alphanumeric	50			
PAT08 - First Name		Alphanumeric	50			
PAT09 - Middle Name		Alphanumeric	30			
PAT10 - Name Prefix		Alphanumeric	10			
PAT11 - Name Suffix		Alphanumeric	10			

ASAP version 4.1						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
PAT12 - Address Information - 1		Alphanumeric	30			
PAT13 - Address Information - 2		Alphanumeric	30			
PAT14 - City Address		Alphanumeric	20			
PAT15 - State Address		Alphanumeric	10			
PAT16 - ZIP Code Address		Alphanumeric	9			
PAT17 - Phone Number		Alphanumeric	10			
PAT18 - Date of Birth		Date	8			
PAT19 - Gender Code		Alphanumeric	1			
PAT20 - Species Code		Numeric	2			
PAT21 - Patient Location Code		Numeric	2			
PAT22 - Country of Non-U.S. Resident		Alphanumeric	20			
	PAT23 – Name of Animal	Alphanumeric	30			
DSP Dispensing Record (Detail Core Reporting Segment – Required)						
DSP01 - Reporting Status		Numeric	2	<ul style="list-style-type: none"> • 00 New Record • 01 Revise Record • 02 Void Record 		
DSP02 - Prescription Number		Alphanumeric	25			
DSP03 - Date Written		Date	8			

ASAP version 4.1						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
DSP04 - Refills Authorized		Number	2			
DSP05 - Date Filled		Date	8			
DSP06 - Refill Number		Numeric	2			
DSP07 - Product ID Qualifier		Number	2			
DSP08 - Product ID		Alphanumeric	15			
DSP09 - Quantity Dispensed		Date	11			
DSP10 - Days Supply		Numeric	3			
DSP11 - Drug Dosage Units Code		Numeric	2			
DSP12 - Transmission Form of Rx Origin		Numeric	2			
DSP13 - Partial Fill Indicator		Numeric	2	• 01 Partial Fill • 02 Non-Partial Fill		
DSP14 - Pharmacist National Provider Identifier (NPI)		Alphanumeric	10			
DSP15 - Pharmacist State License Number		Alphanumeric	10			
DSP16 - Classification Code for Payment Type		Numeric	2			
	DSP17 - Date Sold	Date	8			
	DSP18 – RxNorm Code	Numeric	15			
	DSP19 – Electronic Prescription Reference Number	Numeric	30			

ASAP version 4.1						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
PRE Prescriber Information (Detail Core Reporting Segment – Required)						
PRE01 - National Provider Identifier (NPI)		Alphanumeric	10			
PRE02 - DEA Number		Alphanumeric	9			
PRE03 - DEA Number Suffix		Alphanumeric	7			
PRE04 - Prescriber State License Number		Alphanumeric	10			
PRE05 - Last Name		Alphanumeric	50			
PRE06 - First Name		Alphanumeric	50			
PRE07 - Middle Name		Alphanumeric	30			
CDI Compound Drug Ingredient Detail (Detail Core Reporting Segment – Situational)						
	CDI01-Compound Drug Ingredient Sequence Number	Numeric	2			
	CDI02-Product ID Qualifier	Numeric	2			
	CDI03-Product ID	Alphanumeric	15			
	CDI04-Component Ingredient Quantity	Decimal	11			
	CDI05-Compound Drug Dosage Units Code	Numeric	2			
AIR Additional Information Reporting (Detail Core Reporting Segment – Situational)						
	AIR01-State Issuing Rx Serial Number	Alphanumeric	2			
	AIR02-State Issued Rx Serial Number	Alphanumeric	20			
	AIR03-ID Issuing Jurisdiction	Alphanumeric	2			
	AIR04-ID Qualifier of	Numeric	2			

ASAP version 4.1						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	VA Max Field Length	
	Person Dropping Off or Picking up Rx					
	AIR05-ID of Person Dropping Off or Picking Up Rx	Alphanumeric	20			
	AIR06 – Relationship of Person Dropping Off or Picking Up Rx	Numeric	2			
	AIR07-Last Name of Person Dropping Off or Picking Up Rx	Alphanumeric	50			
	AIR08-First Name of Person Dropping Off or Picking Up Rx	Alphanumeric	50			
	AIR09-Last Name or Initials of Pharmacist	Alphanumeric	50			
	AIR10-First Name of Pharmacist	Alphanumeric	50			
TP Pharmacy Trailer (Summary Core Reporting Segment – Required)						
TP01 - Detail Segment Count		Numeric	10			
TT Transaction Trailer (Summary Core Reporting Segment – Required)						
TT01 - Transaction Control Number		Alphanumeric	10			
TT02 - Segment Count		Number	10			

ASAP version 4.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
TH – Transaction Header (Header Core Reporting Segment – Required)						
TH01 - Version / Release Number		Alphanumeric	4			
TH02 - Transaction Control Number		Alphanumeric	10			
TH03 - Transaction Type		Numeric	2			
TH04 - NOT USED	TH04-Response ID	Alphanumeric	10			
TH05 - Creation Date		Date	8			
TH06 - Creation Time		Time	6			
TH07 - File Type		Alphanumeric	1			
TH08 – Composite Element Separator		Alphanumeric	1			
	TH09 - Data Segment Terminator Character	Alphanumeric	1	For ASAP version 4.0, the separator is set to “\” (backward slash)		
IS Information Source (Header Core Reporting Segment – Required)						
IS01 - Unique Information Source ID		Alphanumeric	10			
IS02 - Information Source Entity Name		Alphanumeric	60			
	ISO3-Message	Alphanumeric	60			
PHA Pharmacy Header (Header Core Reporting Segment – Required)						
PHA01 - National Provider Identifier (NPI)		Alphanumeric	10			
PHA02 - NCPDP/NABP Provider ID		Alphanumeric	10			
PHA03 - DEA Number		Alphanumeric	10			

ASAP version 4.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	VistA File and Field Map	V/A Max Field Length	
PHA04 - Pharmacy Name		Alphanumeric	60			
PHA05 - Address Information - 1		Alphanumeric	30			
PHA06 - Address Information - 2		Alphanumeric	30			
PHA07 - City Address		Alphanumeric	25			
PHA08 - State Address		Alphanumeric	2			
PHA09 - ZIP Code Address		Alphanumeric	9			
PHA10-Phone Number		Alphanumeric	10			
	PHA11 – Contact Name	Alphanumeric	30			
	PHA12 - Chain Site ID	Alphanumeric	10			
PAT Patient Information (Detail Core Reporting Segment – Required)						
PAT01 - ID Qualifier of Issuing Jurisdiction		Alphanumeric	3			
PAT02 - ID Qualifier		Numeric	2			
PAT03 - ID of Patient		Alphanumeric	20			
PAT04 - NOT USED	PAT04 – Additional ID Qualifier of Issuing Jurisdiction	Alphanumeric	3			
PAT05 - NOT USED	PAT05 - Additional Patient ID Qualifier	Numeric	2			
PAT06 - NOT USED	PAT06 - Additional ID	Alphanumeric	20			
PAT07 - Last Name		Alphanumeric	50			
PAT08 - First Name		Alphanumeric	50			
PAT09 - Middle Name		Alphanumeric	30			
PAT10 - Name Prefix		Alphanumeric	10			
PAT11 - Name Suffix		Alphanumeric	10			
PAT12 - Address		Alphanumeric	30			

ASAP version 4.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
Information - 1						
PAT13 - Address Information - 2		Alphanumeric	30			
PAT14 - City Address		Alphanumeric	20			
PAT15 - State Address		Alphanumeric	10			
PAT16 - ZIP Code Address		Alphanumeric	9			
PAT17 - Phone Number		Alphanumeric	10			
PAT18 - Date of Birth		Date	8			
PAT19 - Gender Code		Alphanumeric	1			
PAT20 - Species Code		Numeric	2			
PAT21 - Patient Location Code		Numeric	2			
DSP Dispensing Record (Detail Core Reporting Segment – Required)						
DSP01 - Reporting Status		Numeric	2	• (Blank) New Record • 01 Revise Record • 02 Void Record		
DSP02 - Prescription Number		Alphanumeric	25			
DSP03 - Date Written		Date	8			
DSP04 - Refills Authorized		Number	2			
DSP05 - Date Filled		Date	8			
DSP06 - Refill Number		Numeric	2			
DSP07 - Product ID Qualifier		Number	2			
DSP08 - Product ID		Alphanumeric	15			
DSP09 - Quantity Dispensed		Date	11			

ASAP version 4.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
DSP10 - Days Supply		Numeric	3			
DSP11 - Drug Dosage Units Code		Numeric	2			
DSP12 - Transmission Form of Rx Origin		Numeric	2			
DSP13 - Partial Fill Indicator		Numeric	2	• 01 Partial Fill • 02 Non-Partial Fill		
DSP14 - Pharmacist National Provider Identifier (NPI)		Alphanumeric	10			
DSP15 - Pharmacist State License Number		Alphanumeric	10			
DSP16 - Classification Code for Payment Type		Numeric	2			
PRE Prescriber Information (Detail Core Reporting Segment – Required)						
PRE01 - National Provider Identifier (NPI)		Alphanumeric	10			
PRE02 - DEA Number		Alphanumeric	10			
PRE03 - DEA Number Suffix		Alphanumeric	7			
PRE04 - Prescriber State License Number		Alphanumeric	10			
PRE05 - Last Name		Alphanumeric	50			
PRE06 - First Name		Alphanumeric	50			
PRE07 - Middle Name		Alphanumeric	30			
CDI Compound Drug Ingredient Detail (Detail Core Reporting Segment – Situational)						
	CDI01-Compound Drug Ingredient Sequence Number	Numeric	2			
	CDI02-Product ID	Numeric	2			

ASAP version 4.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
	Qualifier					
	CDI03-Product ID	Alphanumeric	15			
	CDI04-Component Ingredient Quantity	Decimal	11			
	CDI05-Compound Drug Dosage Units Code	Numeric	2			
AIR Additional Information Reporting (Detail Core Reporting Segment – Situational)						
	AIR01-State Issuing Rx Serial Number	Alphanumeric	2			
	AIR02-State Issued Rx Serial Number	Alphanumeric	20			
	AIR03-ID Issuing Jurisdiction	Alphanumeric	3			
	AIR04-ID Qualifier of Person Dropping Off or Picking up Rx	Numeric	2			
	AIR05-ID of Person Dropping Off or Picking Up Rx	Alphanumeric	20			
	AIR06 – Relationship of Person Dropping Off or Picking Up Rx	Numeric	2			
	AIR07-Last Name of Person Dropping Off or Picking Up Rx	Alphanumeric	50			
	AIR08-First Name of Person Dropping Off or Picking Up Rx	Alphanumeric	50			
	AIR09-Last Name or Initials of Pharmacist	Alphanumeric	50			
	AIR10-First Name of Pharmacist	Alphanumeric	50			
TP Pharmacy Trailer (Summary Core Reporting Segment – Required)						

ASAP version 4.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	V/A Max Field Length	
TP01 - Detail Segment Count		Numeric	10			
TT Transaction Trailer (Summary Core Reporting Segment – Required)						
TT01 - Transaction Control Number		Alphanumeric	10			
TT02 - Segment Count		Number	10			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	V/A Max Field Length	
TH – Transaction Header (Header Core Reporting Segment – Required)						
TH01 - Version / Release Number		Alphanumeric	4			
TH02 – NOT USED	TH02 – Business Partner Implementation Version (Not Used)	Alphanumeric	4			
TH03 - Transaction Control Number		Numeric	10			
TH04 - NOT USED	TH04-Transaction Type (Not Used)	Alphanumeric	2			
TH05 – NOT USED	TH05 - Message Type (Not Used)	Alphanumeric	2			
TH06 – NOT USED	TH06 - Response ID (Not Used)	Alphanumeric	10			
TH07 – NOT USED	TH07 - Project ID (Not Used)	Alphanumeric	30			
TH08 - Creation Date		Date	8			
TH09 - Creation Time		Time	6			
TH10 - File Type		Alphanumeric	1			
TH11 – NOT USED	TH11 - Message (Not Used)	Alphanumeric	60			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
TH12 – Composite Element Separator		Alphanumeric	1			
	TH13 - Data Segment Terminator Character	Alphanumeric	1			
IS Information Source (Header Core Reporting Segment – Required)						
IS01 - Unique Information Source ID		Alphanumeric	10			
IS02 - Information Source Entity Name		Alphanumeric	60			
	IS03 - Address Information-1 (Not Used)	Alphanumeric	30			
	IS04 - Address Information-2 (Not Used)	Alphanumeric	30			
	IS05 – City Address (Not Used)	Alphanumeric	20			
	IS06 – State Address (Not Used)	Alphanumeric	2			
	IS07- Zip code Address (Not Used)	Alphanumeric	9			
	IS08 – Phone Number (Not Used)	Alphanumeric	10			
	IS09 – Contact Name (Not Used)	Alphanumeric	30			
	IS010 – Message (Not Used)	Alphanumeric	60			
	IS011 – Data Entry Terminal ID (Not Used)	Alphanumeric	16			
IR Information Receiver (Header Core Reporting Segment – Required)						
IR01 - Unique Information Receiver ID		Alphanumeric	10			
IR02 - Information Receiver Entity Name		Alphanumeric	60			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
	IR03 - Address Information-1 (Not Used)	Alphanumeric	30			
	IR04 - Address Information-2 (Not Used)	Alphanumeric	30			
	IR05 – City Address (Not Used)	Alphanumeric	20			
	IR06 – State Address (Not Used)	Alphanumeric	2			
	IR07- Zip code Address (Not Used)	Alphanumeric	9			
	IR08 – Phone Number (Not Used)	Alphanumeric	10			
	IR09 – Contact Name (Not Used)	Alphanumeric	30			
	IR010 – Message (Not Used)	Alphanumeric	60			
PHA Pharmacy Header (Header Core Reporting Segment – Required)						
PHA01 - National Provider Identifier (NPI)		Alphanumeric	10			
PHA02 - NCPDP/NABP Provider ID		Alphanumeric	10			
PHA03 - DEA Number		Alphanumeric	10			
PHA04 - Pharmacy Name		Alphanumeric	60			
PHA05 - Address Information - 1		Alphanumeric	30			
PHA06 - Address Information - 2		Alphanumeric	30			
PHA07 - City Address		Alphanumeric	20			
PHA08 - State Address		Alphanumeric	2			
PHA09 - ZIP Code Address		Alphanumeric	9			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
PHA10-Phone Number		Alphanumeric	10			
	PHA11 – Contact Name	Alphanumeric	30			
	PHA12 - Reporting Frequency (Not Used)	Alphanumeric	3			
	PHA13 Message (Not Used)	Alphanumeric	60			
PAT Patient Information (Detail Core Reporting Segment – Required)						
PAT01 – Reporting Status (Not Used)		Alphanumeric	2			
PAT02 – NOT USED	PAT02 – Program Participation Status (Not Used)	Alphanumeric	2			
PAT03 – NOT USED	PAT03 – Unique System ID (Not Used)	Alphanumeric	12			
PAT04 – Social Security Number		Alphanumeric	10			
PAT05 – NOT USED	PAT05 – Alternate ID Qualifier	Alphanumeric	2			
PAT06 - NOT USED	PAT06 - Alternate ID	Alphanumeric	20			
PAT07 - Last Name		Alphanumeric	15			
PAT08 - First Name		Alphanumeric	12			
PAT09 - Middle Name		Alphanumeric	12			
PAT10 - Name Prefix		Alphanumeric	10			
PAT11 - Name Suffix		Alphanumeric	10			
PAT12 - Address Information - 1		Alphanumeric	30			
PAT13 - Address Information - 2		Alphanumeric	30			
PAT14 - City Address		Alphanumeric	20			
PAT15 - State Address		Alphanumeric	2			
PAT16 - ZIP Code Address		Alphanumeric	9			
PAT17 - Phone Number		Alphanumeric	10			
PAT18 – NOT USED	PAT18 – E-mail address (Not Used)	Alphanumeric	70			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes			VA Attributes	
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	Notes
PAT19 - Date of Birth		Date	8			
PAT20 - Gender Code		Alphanumeric	1			
PAT21 - Patient Location Code (Not Used)		Numeric	2			
	PAT22 – Primary Prescription Coverage Type (Not Used)	Alphanumeric	2			
	PAT23 – Secondary Prescription Type (Not Used)	Alphanumeric	2			
	PAT24 – Language Code (Not Used)	Alphanumeric	3			
	PAT25 – Work Number (Not Used)	Alphanumeric	10			
	PAT26 – Alternate Phone Number (Not Used)	Alphanumeric	10			
	PAT27 – Drivers License Number	Alphanumeric	17			
	PAT28 – Facility Code (Not Used)	Alphanumeric	10			
	PAT29 – Unit Identifier (Not Used)	Alphanumeric	10			
	PAT30 – Room Number (Not Used)	Alphanumeric	10			
	PAT31 – Bed (Not Used)	Alphanumeric	2			
	PAT32 – Medical Record Number (Not Used)	Alphanumeric	20			
	PAT33 – Admission Date (Not Used)	Date	8			
	PAT34 – Admission Time (Not Used)	Time	6			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
	PAT 35 – Discharge Date (Not Used)	Date	8			
	PAT36 – Discharge Time (Not Used)	Time	6			
	PAT37 – Primary Coverage Start Date (Not Used)	Date	8			
	PAT38 – Primary Coverage Stop Date (Not Used)	Date	8			
	PAT39 – Secondary Coverage Start Date (Not Used)	Date	8			
	PAT40 – Secondary Coverage Stop Date (Not Used)	Date	8			
RX Prescription Order (Detail Core Reporting Segment – Required)						
RX01 - Reporting Status (Not used)		Numeric	2			
RX02 – NOT USED	RX02 – Program Participation Status (Not Used)	Alphanumeric	2			
RX03 - Prescription Number		Alphanumeric	25			
RX04 – NOT USED	RX04 – Unique System ID - RPh (Not Used)	Alphanumeric	12			
RX05 – NOT USED	RX05 – Unique System ID – Patient (Not Used)	Alphanumeric	12			
RX06 – NOT USED	RX06 – Unique System ID - Prescriber (Not Used)	Alphanumeric	12			
RX07 – NOT USED	RX07 – Unique System ID – Drug (Not Used)	Alphanumeric	12			
RX08 - Date Written		Date	8			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
RX09 – NOT USED	RX09 - Rx Start Date (Not Used)					
RX10 – NOT USED	RX10 - Rx End Date (Not Used)					
RX11 – NOT USED	RX11 - Diagnosis Code Qualifier	Alphanumeric	2			
RX12 – NOT USED	RX12 - Diagnosis Code	Alphanumeric 10				
RX13 – Product ID Qualifier (Not Used)		Number	2			
RX14 – NOT USED	RX14 – Product ID (Not Used)	Alphanumeric	15			
RX15 - Product ID	RX15 – Product Description (Not Used)	Alphanumeric	60			
RX16 – NOT USED	DAW Code (Not Used)	Alphanumeric	2			
RX17 – Quantity Prescribed (Not Used)		Decimal	11			
RX18 - Days Supply (Not Used)		Numeric	3			
RX19 – NOT USED	RX19 – Basis of Days Supply Determination (Not Used)	Numeric	1			
RX20 - Refills Authorized		Numeric	2			
	RX21 – Refills Authorized Through Date (Not Used)	Date	8			
	RX22 – DEA Schedule (Not Used)	Alphanumeric	2			
	RX23 – Unit Dose Indicator	Alphanumeric	1			
	RX24 – Compound Indicator (Not Used)	Alphanumeric	1			
	RX25 – Origin Code (Not Used)	Alphanumeric	2			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
	RX26 – Brand Versus Generic Indicator (Not Used)	Alphanumeric	1			
	RX27 Original Fill Date (Not Used)	Date	8			
	RX28 Alternate Rx Identifier (Not Used)	Alphanumeric	20			
	RX29 – Previous Rx Number (Not Used)	Alphanumeric	25			
DSP Dispensing Record (Detail Core Reporting Segment – Required)						
DSP01 - Reporting Status		Numeric	2			
DSP02 – NOT USED	DSP02 - Program Participation Status (Not Used)	Alphanumeric	2			
DSP03 - Prescription Number		Alphanumeric	25			
DSP04 - Refill Number		Numeric	2			
DSP05 – NOT USED	DSP05 – Unique System ID - RPh (Not Used)	Alphanumeric	12			
DSP06 – NOT USED	DSP06 – Unique System ID – Patient (Not Used)	Alphanumeric	12			
DSP07 – NOT USED	DSP07 – Unique System ID - Prescriber (Not Used)	Alphanumeric	12			
DSP08 – NOT USED	DSP08 – Unique System ID – Drug (Not Used)	Alphanumeric	12			
DSP09 – Date Filled		Date	8			
DSP10 – NOT USED	DSP10 – Time Filled (Not Used)	Time	6			
DSP11 - Product ID Qualifier		Number	2			
DSP12 - Product ID		Alphanumeric	15			
DSP13 – NOT USED	DSP13 – Product Description (Not Used)	Alphanumeric	60			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
DSP14 - Quantity Dispensed		Decimal	11			
DSP15 - Days Supply		Decimal	3			
DSP16 – Basis of Days Supply Determination (Not Used)		Alphanumeric	1			
	DSP17 – Refills Remaining (Not Used)	Alphanumeric	2			
	DSP18 – Refills Authorized Through Date (Not Used)	Date	8			
	DSP19 – Previous Fill Date (Not Used)	Date	8			
	DSP20 – Previous Fill Quantity Dispensed (Not Used)	Decimal	3			
	DSP21 – Level of Service Code (Not Used)	Alphanumeric	2			
	DSP22 – Brand or Generic Indicator (Not Used)	Alphanumeric	1			
	DSP23 – Patient Advisory Leaflet (Not Used)	Alphanumeric	1			
	DSP24 – Warning/Auxiliary Labels (Not Used)	Alphanumeric	100			
	DSP25 – Warning/Auxiliary labels (Not Used)	Alphanumeric	100			
	DSP26 – Warning/Auxiliary labels (Not Used)	Alphanumeric	100			
	DSP27 –	Alphanumeric	100			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
	Warning/Auxiliary labels (Not Used)					
	DSP28 – Warning/Auxiliary labels (Not Used)	Alphanumeric	100			
	DSP29 – Bar Code on Vial Label (Not Used)	Alphanumeric	20			
	DSP30 – Group Identifier (Not Used)	Alphanumeric	25			
	DSP31 – Group Rx Count (Not used)	Numeric	2			
	DSP32 – Partial Fill Indicator (Not Used)	Alphanumeric	1			
	DSP33 – Priority (Not Used)	Alphanumeric	8			
PRE Prescriber Information (Detail Core Reporting Segment – Required)						
PRE01 – Reporting Status (Not Used)		Numeric	2			
PRE02 – NOT USED	PRE02 – Unique System ID	Alphanumeric	12			
PRE03 - National Provider Identifier (NPI)		Alphanumeric	10			
PRE04 - DEA Number		Alphanumeric	10			
PRE05 - DEA Number Suffix		Alphanumeric	7			
PRE06 – NOT USED	PRE06 – Prescriber State License Number	Alphanumeric	10			
PRE07 – NOT USED	PRE07 – Prescriber Alternate ID (Not Used)	Alphanumeric	20			
PRE08 - Last Name (Not Used)		Alphanumeric	15			
PRE09 - First Name (Not Used)		Alphanumeric	12			
PRE10 - Middle Name		Alphanumeric	12			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
(Not Used)						
	PRE11 – Name Prefix (Not Used)	Alphanumeric	10			
	PRE12 – Name Suffix (Not Used)	Alphanumeric	10			
	PRE13 – Address Information – 1 (Not Used)	Alphanumeric	30			
	PRE14 – Address Information -2 (Not Used)	Alphanumeric	30			
	PRE15 – City Address (Not Used)	Alphanumeric	20			
	PRE16 – State Address (Not Used)	Alphanumeric	2			
	PRE17 – Zip Code Address (Not Used)	Alphanumeric	9			
	PRE18 – Phone Number (Not Used)	Alphanumeric	10			
	PRE19 – Prescriber Specialty (Not Used)	Alphanumeric	10			
	PRE20 – Prescriber Fax Number (Not Used)	Alphanumeric	10			
RPH Pharmacist (Detail Core Reporting Segment – Situational)						
RPH01 – Reporting Status (Not Used)		Numeric	2			
RPH02 – NOT USED	Unique System ID	Alphanumeric	12			
RPH03 – National Provider ID (NPI)		Alphanumeric	10			
RPH04 – NOT USED	Pharmacist State License Number	Alphanumeric	10			
RPH05 – NOT USED	Pharmacist Alternate ID (Not Used)	Alphanumeric	20			
RPH06 – Last Name		Alphanumeric	15			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
RPH07 – First Name		Alphanumeric	12			
RPH08 – Middle Name		Alphanumeric	12			
	RPH09 – Name Prefix (Not Used)	Alphanumeric	10			
	RPH10- Name Suffix (Not Used)	Alphanumeric	10			
	RPH11- Pharmacist Title (Not Used)	Alphanumeric	30			
PLN Third-Party Plan (Summary Core Reporting Segment – Required)						
PLN01 – Reporting Status (Not Used)		Numeric	2			
	PLN02 – Plan Coverage Status (Not Used)	Alphanumeric	2			
	PLN03 – Unique System ID – Plan (Not Used)	Alphanumeric	12			
	PLN04 – Classification Code for Plan Type	Alphanumeric	2			
	PLN05 – Plan Name (Not Used)	Alphanumeric	30			
	PLN06 – Processor BIN (Not Used)	Alphanumeric	6			
	PLN07 – Processor Control Number (Not Used)	Alphanumeric	10			
	PLN08 – Plan ID (Not Used)	Alphanumeric	10			
	PLN09 – Group Number (Not Used)	Alphanumeric	15			
	PLN10 – Cardholder ID (Not Used)	Alphanumeric	18			
	PLN11 – Person Code (Not Used)	Alphanumeric	3			
	PLN12 – Relationship Code (Not Used)	Alphanumeric	1			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
CDI Compound Drug Ingredient Detail (Detail Core Reporting Segment – Situational)						
	CDI01-Compound Drug Ingredient Sequence Number	Numeric	2			
	CDI02-Product ID Qualifier	Numeric	2			
	CDI03-Component Ingredient Product ID	Alphanumeric	15			
	CDI04 – Component Ingredient Product Description (Not Used)	Alphanumeric	60			
	CDI05-Component Ingredient Quantity	Decimal	11			
	CDI06 – Component Ingredient Cost (Not Used)	Decimal	8			
	CDI07 – Component Ingredient Basis of Cost Determination (Not Used)	Alphanumeric	2			
	CDI08-Compound Drug Dosage Units Code (Not Used)	Alphanumeric	2			
CSR Additional Information Reporting (Detail Core Reporting Segment – Situational)						
	CSR01-State Issuing Rx Serial Number	Alphanumeric	2			
	CSR02-State Issued Rx Serial Number	Alphanumeric	20			
	CSR03-ID ID Qualifier	Alphanumeric	2			
	CSR04-ID of Person Picking Up Rx	Alphanumeric	20			
	CSR05 – Relationship of	Alphanumeric	2			

ASAP version 3.0						
Segment/ Data Elements Existing	Data Elements To Be Added	ASAP Attributes		VA Attributes		Notes
		ASAP Data Type	ASAP Max Data Length	Vista File and Field Map	VA Max Field Length	
	Person Picking Up Rx					
	CSR06-Last Name of Person Picking Up Rx	Alphanumeric	15			
	CSR07-First Name of Person Picking Up Rx	Alphanumeric	12			
TP Pharmacy Trailer (Summary Core Reporting Segment – Required)						
TP01 - Detail Segment Count		Numeric	10			
TT Transaction Trailer (Summary Core Reporting Segment – Required)						
TT01 - Transaction Control Number		Alphanumeric	10			
TT02 - Segment Count		Number	10			