



pennsylvania

DEPARTMENT OF HEALTH
PRESCRIPTION DRUG MONITORING PROGRAM



Implementation Guide for Real Time Prescription Submission

ASAP Real Time Adapter

Version 2.0.1

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1. Introduction

1.1 Document Overview

This document describes the ASAP adapter for Real-Time Prescription Submission for the Commonwealth of Pennsylvania. Users can find details regarding endpoints, security requirements, request parameters, response parameters, sample requests and response, and error messages. In addition, **Appendix A** gives details for the current ASAP validation rules for the Commonwealth.

1.2 Revision History

Version	Date	Changes
1.0.0	06/01/2023	Initial Version
1.0.1	06/21/2023	Commonwealth Approved Changes Made
2.0.0	06/22/2023	Added Elements
2.0.1	10/26/2023	Removed 2Way SSL requirements

2. Document Information

2.1 Copyright and Trademarks

Copyright © 2009-2023 LogiCoy Inc.

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LogiCoy PDMP Applications is the registered trademark and all other products referenced are the trademarks of their respective owners.

2.2 Disclaimer

LogiCoy has made every effort to ensure the accuracy of the information in this document at the time of printing; however, information may change without notice.

2.3 Technical Assistance

If you require technical support, please use the following contact information. Support is currently available 24/7:

Phone: 844-377-7367, select prompt “1”

Email: papdmp@logicoy.com

2.4 Administrative Assistance

If you have any non-technical questions regarding the Pennsylvania Prescription Drug Monitoring Program, or if you wish to contact the PDMP Administrator, please use the following contact information:

Office of Drug Surveillance and Misuse Prevention

625 Forster Street, 6th Floor.

Harrisburg, PA 17120

Phone: 844-377-7367, select prompt “0”

Email: ra-dh-pdmp@pa.gov

3. Endpoints

3.1 Testing Environment:

Please use the following endpoints for the testing and production environments.

TEST URL: <https://submission-rt-uat.logicoy.com/submissions/realtime/service/asap/submitdata>

PRODUCTION URL: <https://submission-rt.logicoy.com/submissions/realtime/service/asap/submitdata>

HTTP Method: POST

Content Type: application/xml

Accept: application/xml

Note: Please set security to **TLS1.2** (make **TLS 1.1** or **1.0** unchecked).

Media/Content Type should be **application/xml**.

Accept HTTP header must be passed with **application/xml**.

HTTP Authorization is set to **Bearer**.

3.2 Production Environment:

To access and utilize the URL in the production environment, a Vendor/Submitter must use the below endpoint.

PRODUCTION URL: <https://submission-rt.logicoy.com/submissions/realtime/service/asap/submitdata>

4. Onboarding Steps

Please use the following steps to start the Real-Time Reporting onboarding process:

- The Vendor/Submitter will start development and testing of real-time submissions in the testing environment.
- The Vendor/Submitter must have a data submitter account in the PA PDMP System **test** environment.
 - <https://pmpcentral.logicoy.com/PDMPSystemApp/>
 - If a test account is needed, registration as a data submitter is required.
 - <https://pmpcentral.logicoy.com/PDMPSystemApp/registerV2>
- The Vendor/Submitter should create an access key, secret key, and source ID to start development (see Section 5.1 - Navigate to Real-Time Security Configuration Page).
- After successful testing, the Vendor/Submitter can move to the PA PDMP System production environment.
 - <https://pdmp.health.pa.gov/PDMPSystemApp/>
 - If an account is needed, registration as a data submitter is required.
 - <https://pdmp.health.pa.gov/PDMPSystemApp/registerV2>
- The Vendor/Submitter should create an access key, secret key, and source ID to start development (see Section 5.1 - Navigate to Real-Time Security Configuration Page).
- The Vendor/Submitter may send any issues/concerns to papdmp@logicoy.com.

5. Real-Time Service Credential Setup

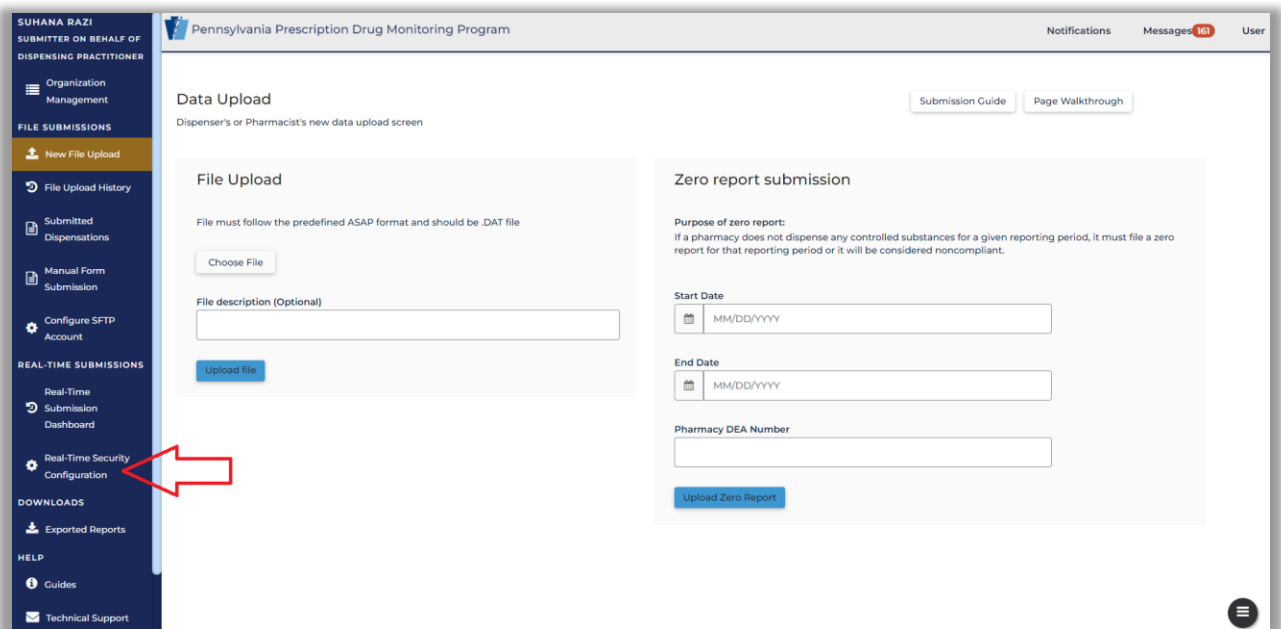
The following steps are required for the setup of the Real-Time Service. Test and production URLs are provided as hyperlinks.

Test-Environment web portal URL: <https://pmpcentral.logicoy.com/PDMPSystemApp>

Production web portal URL: <https://pdmp.health.pa.gov/PDMPSystemApp/>

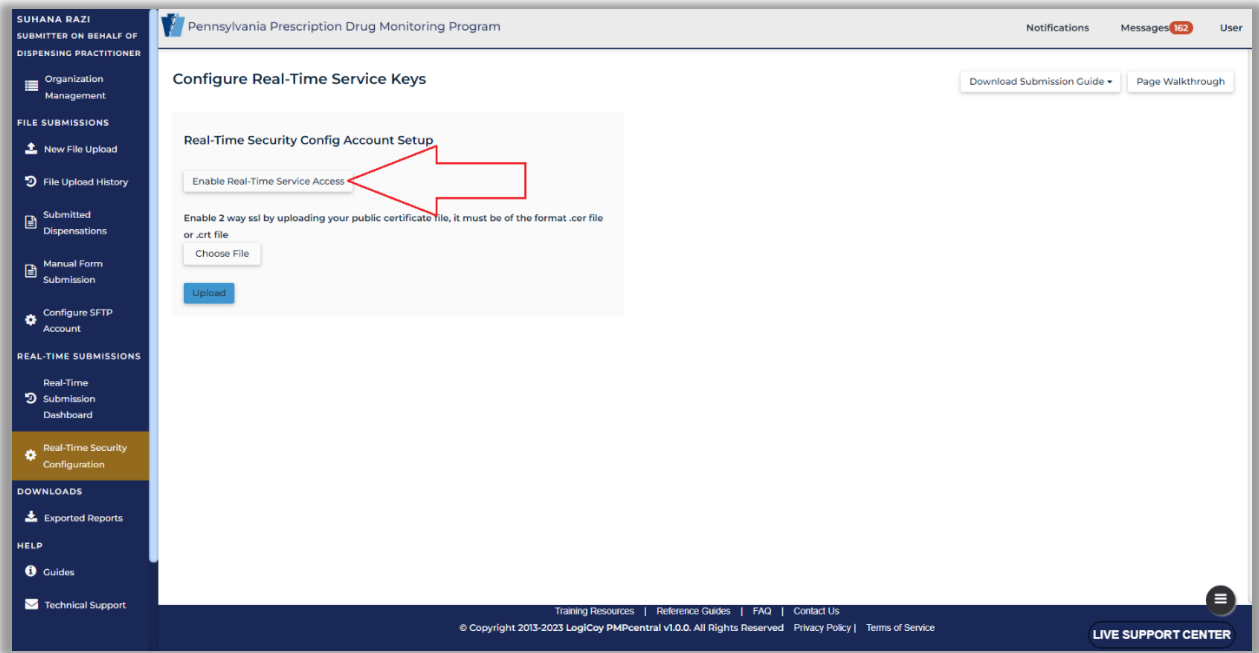
5.1 Navigate to Real-Time Security Configuration Page

Go to the left sidebar and click on **Real-Time Security Configuration** to access the configuration page.

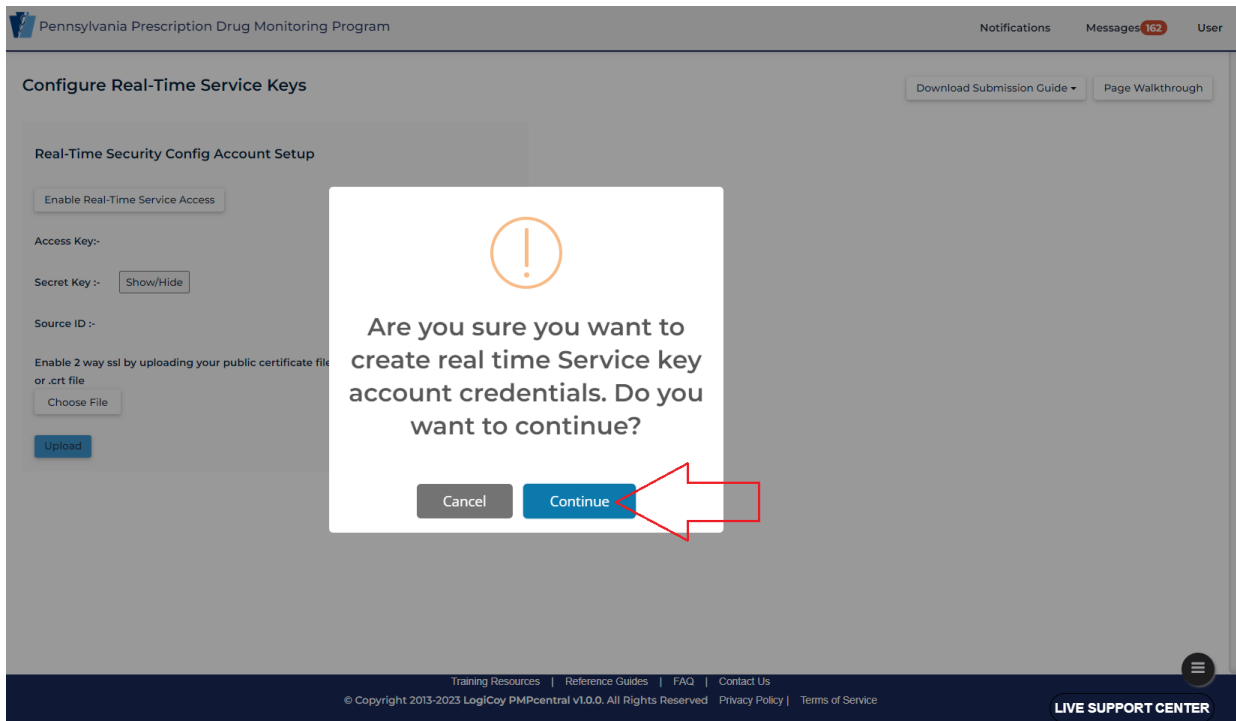


5.2 Enable Real-Time Service Configuration Keys

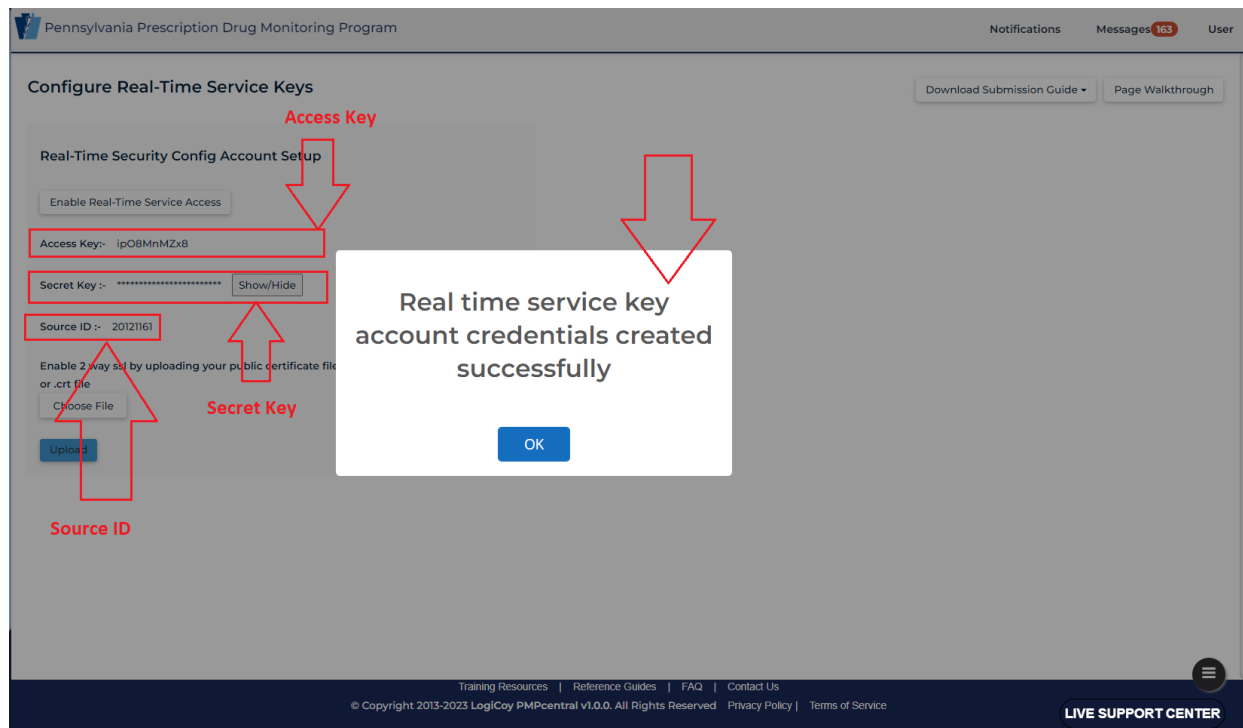
Once the **Real-Time Security Configuration** page is loaded, click on the **Enable Real-Time Service Access** button to enable the configuration.



A confirmation pop-up window will appear. Click **Continue**. The system will then generate the Access Key, Secret Key, and Source ID.



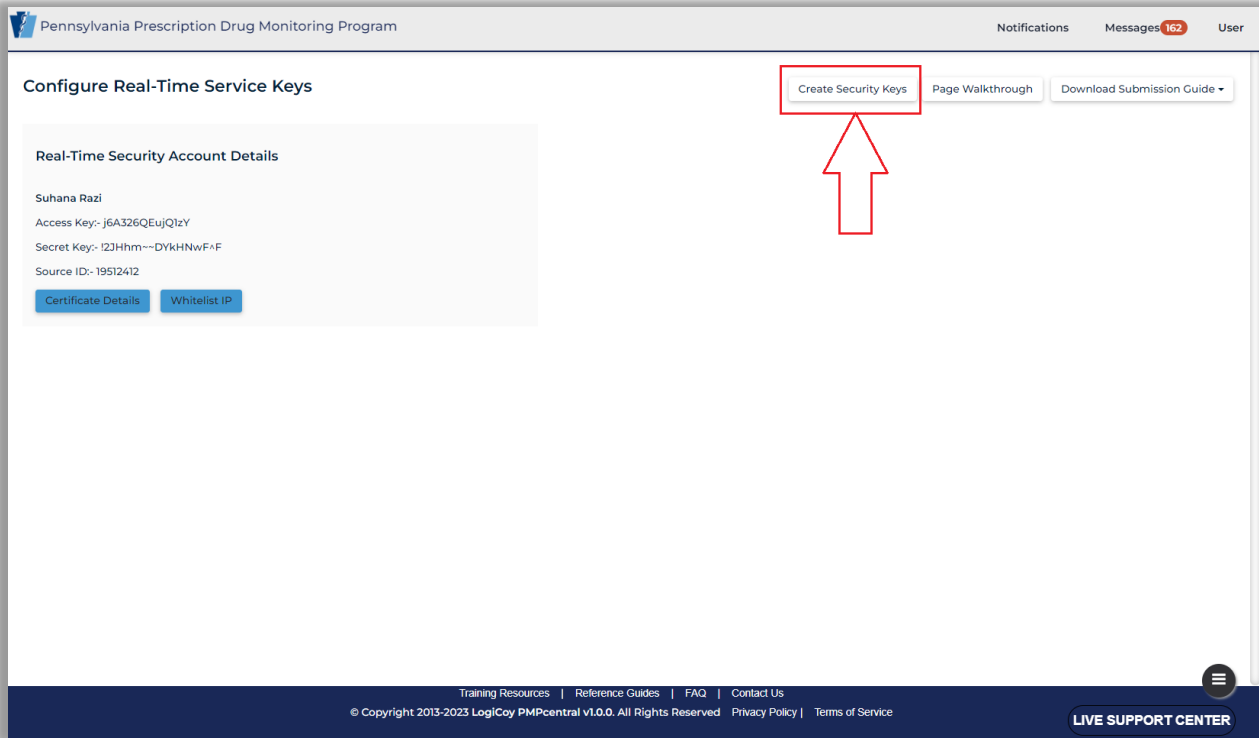
Next, the system will provide a message that the credentials have been created. Click **OK**.



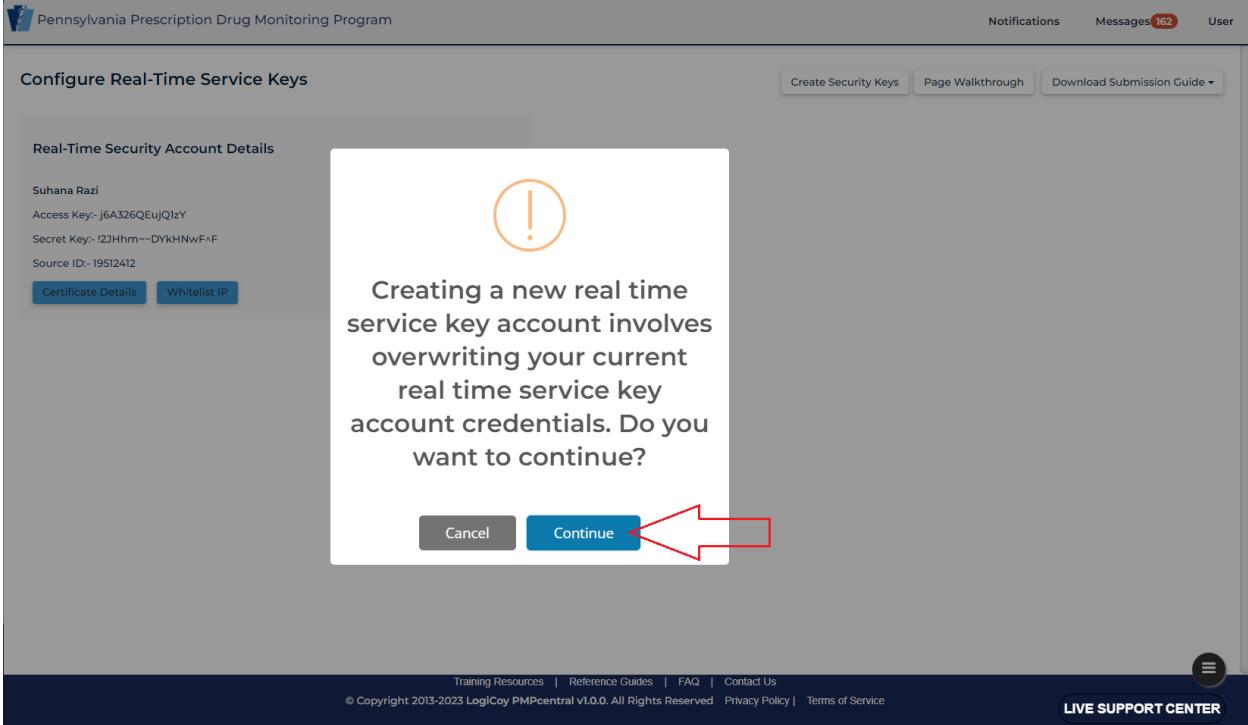
5.3 Updating Configuration

The following instructions are for updating an existing configuration.

Click on **Create Security Keys** button.



A confirmation pop-up window will appear. Click **Continue**.



6. Security Requirements

6.1 Access-Key, Secret Key, Source ID, and Other HTTP Headers

Every request must have the following HTTP headers at a minimum (BELOW IS AN EXAMPLE):

Content-Type: application/xml

Access-key: DfsEFgHuERvB

Authorization: Bearer

6a23a7aef0cbd444bd05130eca351fb958cd2926277b86afc891274617bb91e50bd27f377e0d721b5eadf3b4
6b28abe9469f277b5a86026d45f8a3929d7ac4ee

Sourceid: 1234

Generate a SHA 512 Hash Online: <https://sha512.online/>

Example:

Note: Authorization header token value is generated with SHA-512 hashed encrypted string of
Access-Key: Secret-Key: Sourceid

Access Key: DfsEFgHuERvB

Secret Key: 2a\$10#pGUICa

Sourceid: 12345

Hashing should be applied in Access-Key: Secret-Key: Sourceid –

DfsEFgHuERvB:2a\$10#pGUICa:12345

SHA-512 OUTPUT:

cef972d3114126a5999d0ae392e9bd4e06390350a38ab8324e0aa04e030d75d8ae725a267de91f4b53ba81a
8a1c4a47a32934d8ca553fb11168b7f36f1d18896

Note: The client system will not send the secret key in the request data or in the HTTP header.

The server will recalculate the hash value with the client's secret key and match it with the incoming hash value. If there is any difference, a 401 error will occur from the endpoint.

Access Key, Secret Key, and Source ID will be shared by LogiCoy over email and in the web portal after successful verification.

Users can regenerate the keys anytime from the web portal.

7. Prescription Validation Requirements

With real-time endpoint adapters, each API request must have one pharmacy segment (PHA) and one patient segment (PAT). If two or more patient segments (PAT) or two or more pharmacy segments (PHA) are found in one request, the server will reject those transactions with a 400 error.

8. XML Sample Data

8.1 Sample ASAP XML Request Data for Valid Case

```
<?xml version="1.0" encoding="UTF-8"?>
<SubmissionRequest xmlns="www.logicoy.com/pdmp/realtime/data/submission/raw/asap" xmlns:
xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="www.logicoy.com/pdmp/realtime/data/submission/raw/asap schema.xsd">
  <RequestHeader>
    <RequestId>12345667f-fasdf-asdf-df</RequestId>
    <APIVersion>v1.0.0</APIVersion>
    <RequestType>TEST</RequestType>
    <RequestedDate>2022-03-21T12:12:12.133Z</RequestedDate>
    <UserIdentification>dfEsdfAeD</UserIdentification>
    <SubmissionForStateCode>PA</SubmissionForStateCode>
  </RequestHeader>
  <RequestData>TH*4.2*PA.20230120.030928*01**20230120*030928*P**\
IS*PA*CVS PMP SUPPORT*\
PHA*1912001702*3980491*BC7790276*PENNSYLVANIA CVS PHARMACY, L.L.C.*1303
LANCASTER AVE.**SHILLINGTON*PA*19607*6107963103**03242\
PAT*****Test*Billy*D***1522 RDG
AVE**READING*PA*19607*6103719362*19501025*M*01***\
DSP*00*1908931*20230228*5*20230228*03*01*00093342505*30*15*01*05*00***04*****\
PRE*1457437931*BF7403758**MD074074L*FLORES-POSADAS*MARGARET*GUTIERREZ*\
AIR*****\
TP*186\
TT*PA.20230120.030928*60393</RequestData>
</SubmissionRequest>
```

8.2 Sample ASAP XML Request Data for Valid Case (with compound drugs)

```
<?xml version="1.0" encoding="UTF-8"?>
<SubmissionRequest xmlns="www.logicoy.com/pdmp/realtime/data/submission/raw/asap" xmlns:
xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="www.logicoy.com/pdmp/realtime/data/submission/raw/asap schema.xsd">
  <RequestHeader>
    <RequestId>12345667f-fasdf-asdf-df</RequestId>
    <APIVersion>v1.0.0</APIVersion>
    <RequestType>TEST</RequestType>
    <RequestedDate>2022-03-21T12:12:12.133Z</RequestedDate>
    <UserIdentification>dfEsdfAeD</UserIdentification>
    <SubmissionForStateCode>PA</SubmissionForStateCode>
  </RequestHeader>
  <RequestData>TH*4.2*PA.20230120.030928*01**20230120*030928*P**\
IS*PA*CVS PMP SUPPORT*\
PHA*1912001702*3980491*BC7790276*PENNSYLVANIA CVS PHARMACY, L.L.C.*1303
LANCASTER AVE.**SHILLINGTON*PA*19607*6107963103**03242\
PAT*****Test*Billy*D***1522 RDG
AVE**READING*PA*19607*6103719362*19501025*M*01***\
DSP*00*1908931*20230228*5*20230228*03*06* 999999999*30*15*01*05*00***04*****\
```

```
PRE*1457437931*BF7403758**MD074074L*FLORES-POSADAS*MARGARET*GUTIERREZ*\
CDI*01*01*00591085301*10*01*
AIR*****\
TP*186\
TT*PA.20230120.030928*60393\</RequestData>
</SubmissionRequest>
```

8.3 Sample ASAP XML Response Data: Success Case: HTTP Response Code – 200 OK

```
<?xml version="1.0" encoding="UTF-8"?>
<SubmissionResponse xmlns="www.logicoy.com/pdmp/realtime/data/submission/raw/asap">
  <ResponseHeader>
    <RequestId>12345667f-fasdf-asdf-df</RequestId>
    <ResponseTrackingId>BC8EAB79-1337-4A37-AEB3-EF5B3F516874</ResponseTrackingId>
    <APIVersion>v1.0.0</APIVersion>
    <RequestType>test</RequestType>
    <RequestedDate>2022-03-21T12:12:12+0530</RequestedDate>
    <RespondedDate>2023-03-03T18:01:54+0530</RespondedDate>
  </ResponseHeader>
  <ResponseMetaData>
    <TotalRecords>1</TotalRecords>
    <TotalErrors>0</TotalErrors>
    <TotalValid>1</TotalValid>
    <TotalWarnings>0</TotalWarnings>
  </ResponseMetaData>
  <TransactionStatus>SUCCESS</TransactionStatus>
  <ErrorDataList />
  <WarningDataList />
  <ResponseData>TH*4.2*PA.20230120.030928*01**20230120*030928*P**
IS*PA*RX PMP SUPPORT*
PHA*1912001702*3980491*BC7790276*PENNSYLVANIA PHARMACY, L.L.C.*1303
LANCASTER AVE.**SHILLINGTON*PA*19607*6107963103**03242
ACK*A
TP*3
TT*5</ResponseData>
  <TrackingId>BC8EAB79-1337-4A37-AEB3-EF5B3F516874</TrackingId>
  <CreatedAt>2023-03-03T18:01:54.159+05:30</CreatedAt>
</SubmissionResponse>
```

8.4 Sample Response ASAP Data – Error CASE: HTTP response code - 412

```
<?xml version="1.0" encoding="UTF-8"?>
<SubmissionResponse xmlns="www.logicoy.com/pdmp/realtime/data/submission/raw/asap">
  <ResponseHeader>
    <RequestId>12345667f-fasdf-asdf-df</RequestId>
    <ResponseTrackingId>91BA5AEB-592E-4609-A24E-EF6674F9CFB6</ResponseTrackingId>
    <APIVersion>v1.0.0</APIVersion>
    <RequestType>test</RequestType>
```



```

    <RequestedDate>2022-03-21T12:12:12+0530</RequestedDate>
    <RespondedDate>2023-03-03T17:47:44+0530</RespondedDate>
  </ResponseHeader>
  <ResponseMetaData>
    <TotalRecords>1</TotalRecords>
    <TotalErrors>1</TotalErrors>
    <TotalValid>0</TotalValid>
    <TotalWarnings>0</TotalWarnings>
  </ResponseMetaData>
  <TransactionStatus>ERROR</TransactionStatus>
  <ErrorDataList>
    <ErrorData>
      <SegmentName>Patient Last Name</SegmentName>
      <ValueGiven />
      <ErrorMessage>A valid value expected for patient last name</ErrorMessage>
      <PrescriptionNumber>5908941</PrescriptionNumber>
      <PharmacyDEA>BC7790276</PharmacyDEA>
      <DspCountNumber>1</DspCountNumber>
      <DateFilled>20230301</DateFilled>
      <ReportingFlagProvided>00</ReportingFlagProvided>
    </ErrorData>
    <ErrorData>
      <SegmentName>Patient First Name</SegmentName>
      <ValueGiven />
      <ErrorMessage>A valid value expected for patient first name</ErrorMessage>
      <PrescriptionNumber>5908941</PrescriptionNumber>
      <PharmacyDEA>BC7790276</PharmacyDEA>
      <DspCountNumber>1</DspCountNumber>
      <DateFilled>20230301</DateFilled>
      <ReportingFlagProvided>00</ReportingFlagProvided>
    </ErrorData>
  </ErrorDataList>
  <WarningDataList />
  <ResponseData>TH*4.2*PA.20230120.030928*01**20230120*030928*P**
  IS*PA*RX PMP SUPPORT*
  PHA*1912001702*3980491*BC7790276*PENNSYLVANIA PHARMACY, L.L.C.*1303
  LANCASTER AVE.**SHILLINGTON*PA*19607*6107963103**03242
  ACK*A
  TP*3
  TT*5</ResponseData>
  <TrackingId>91BA5AEB-592E-4609-A24E-EF6674F9CFB6</TrackingId>
  <CreatedAt>2023-03-03T17:47:44.383+05:30</CreatedAt>
</SubmissionResponse>

```

8.5 Sample Zero Report Submission from ASAP API

```

<?xml version="1.0" encoding="UTF-8"?>
<SubmissionRequest xmlns="www.logicoy.com/pdmp/realtime/data/submission/raw/asap" xmlns:
xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="www.logicoy.com/pdmp/realtime/data/submission/raw/asap schema.xsd">

```

```

<RequestHeader>
  <RequestId>12345667f-fasdf-asdf-df</RequestId>
  <APIVersion>v1.0.0</APIVersion>
  <RequestType>TEST</RequestType>
  <RequestedDate>2022-03-21T12:12:12.133Z</RequestedDate>
  <UserIdentification>dfEsdFAeD</UserIdentification>
  <SubmissionForStateCode>PA</SubmissionForStateCode>
</RequestHeader>
<RequestData>TH*4.2*0000*01**{{asap_curr_date}}*063252*P**
IS*770555555*PHARMACY NAME*#20230310#-#20230310#
PHA***FH7898983
PAT*****REPORT*ZERO*****
DSP*****20230310*****
PRE*
CDI*
AIR*
TP*7
TT*0000*10</RequestData>
</SubmissionRequest>
    
```

9. Request and Response Parameters

9.1 Schema Document

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<xs:schema elementFormDefault="qualified" version="1.0"
targetNamespace="www.logicoy.com/pdmp/realtime/data/submission/raw/asap"
xmlns:tns="www.logicoy.com/pdmp/realtime/data/submission/raw/asap" xmlns:
xs="http://www.w3.org/2001/XMLSchema">
  <!-- SubmissionRequest defines the Request root element (Root Element Declaration): Originates
from client system to server -->
  <xs:element name="SubmissionRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="RequestHeader">
          <xs:complexType>
            <xs:sequence>
              <!-- Defines the request id from the client system -->
              <xs:element name="RequestId" type="xs:string" minOccurs="1" maxOccurs="1">
                <xs:annotation>
                  <xs:documentation>Defines the request id from the client
system</xs:documentation>
                </xs:annotation>
              </xs:element>
              <!-- Defines the API version, the client system is using current version of API is v1.0.0
-->
              <xs:element name="APIVersion" type="xs:string" minOccurs="0"
maxOccurs="1">
                <xs:annotation>
                  <xs:documentation>Defines the API version, the client system is
using</xs:documentation>
                </xs:annotation>
              </xs:element>
              <!-- Defines the request type client system is sending for this transaction, request type
can be "TEST" or "PROD" -->
              <xs:element name="RequestType" type="tns:RequestTypeSchemaType"
minOccurs="1" maxOccurs="1">
                <xs:annotation>
                  <xs:documentation>Defines the request type client system is sending for this
transaction, request type can be "TEST" or "PROD"</xs:documentation>
                </xs:annotation>
              </xs:element>
              <!-- Defines the requested date in YYYY-MM-DD HH:mm:ss format in UTC time
zone -->
              <xs:element name="RequestedDate" type="xs:dateTime" minOccurs="1"
maxOccurs="1">
                <xs:annotation>

```

```

        <xs:documentation>Defines the requested date in YYYY-MM-DD HH:mm:ss
format in UTC time zone</xs:documentation>
        </xs:annotation>
    </xs:element>

    <!-- Defines user id or identifier of user who logged in the pharmacy/data submission
system and dispensing medication -->
    <xs:element name="UserIdentification" type="xs:string" minOccurs="1"
maxOccurs="1">
        <xs:annotation>
            <xs:documentation>Defines user id or identifier of user who logged in the
pharmacy/data submission system and dispensing medication</xs:documentation>
        </xs:annotation>
    </xs:element>

    <!-- Submission is intended to which state code -->
    <xs:element name="SubmissionForStateCode" type="tns:StateCodeType"
minOccurs="1" maxOccurs="1">
        <xs:annotation>
            <xs:documentation>Submission is intended to which state
code</xs:documentation>
        </xs:annotation>
    </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

    <!-- Request ASAP 4.X data for submission transaction. ASAP format data should be sent as
<![CDATA[ ... ]]> under this element-->
    <xs:element name="RequestData" type="xs:string" minOccurs="1" maxOccurs="1">
        <xs:annotation>
            <xs:documentation>Request ASAP 4.2 data for submission
transaction</xs:documentation>
        </xs:annotation>
    </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

    <!-- SubmissionResponse defines the Response root element (Root Element Declaration) : Originates
from the server to the client system -->
    <xs:element name="SubmissionResponse">
        <xs:complexType>
            <xs:sequence>
                <xs:element name="ResponseHeader">
                    <xs:complexType>
                        <xs:sequence>
                            <!-- Defines the request id from client system, this will be same as request transaction's
request id-->
                            <xs:element name="RequestId" type="xs:string" minOccurs="1" maxOccurs="1">
                                <xs:annotation>

```

```

        <xs:documentation>Defines the request id from client system, this will be same
as request transaction's request id-</xs:documentation>
    </xs:annotation>
</xs:element>

    <!-- Defines the server tracking id from server used to process this transaction -->
    <xs:element name="ResponseTrackingId" type="xs:string" minOccurs="1"
maxOccurs="1">
        <xs:annotation>
            <xs:documentation>Defines the server tracking id from server used to process
this transaction</xs:documentation>
        </xs:annotation>
    </xs:element>

    <!-- Defines the api version client system is using -->
    <xs:element name="APIVersion" type="xs:string" minOccurs="0"
maxOccurs="1">
        <xs:annotation>
            <xs:documentation>Defines the api version client system is
using</xs:documentation>
        </xs:annotation>
    </xs:element>

    <!-- Defines the request type client system is sending for this transaction, request type
can be "TEST" or "PROD" -->
    <xs:element name="RequestType" type="tns:RequestTypeSchemaType"
minOccurs="1" maxOccurs="1">
        <xs:annotation>
            <xs:documentation>Defines the request type client system is sending for this
transaction, request type can be "TEST" or "PROD"</xs:documentation>
        </xs:annotation>
    </xs:element>

    <!-- Defines the requested date in YYYY-MM-DD HH:mm:ss format in UTC time zone
-->
    <xs:element name="RequestedDate" type="xs:dateTime" minOccurs="1"
maxOccurs="1">
        <xs:annotation>
            <xs:documentation>Defines the requested date in YYYY-MM-DD HH:mm:ss
format in UTC time zone</xs:documentation>
        </xs:annotation>
    </xs:element>

    <!-- Defines the responded date in YYYY-MM-DD HH:mm:ss format in UTC time
zone -->
    <xs:element name="RespondedDate" type="xs:dateTime" minOccurs="1"
maxOccurs="1">
        <xs:annotation>
            <xs:documentation>Defines the responded date in YYYY-MM-DD HH:mm:ss
format in UTC time zone</xs:documentation>

```

```

        </xs:annotation>
      </xs:element>

      <!-- Submission is intended to which state code -->
      <xs:element name="SubmissionForStateCode" type="tns:StateCodeType"
minOccurs="1" maxOccurs="1">
        <xs:annotation>
          <xs:documentation>Submission is intended to which state
code</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ResponseMetaData">
  <xs:complexType>
    <xs:sequence>
      <!-- Defines the total number of records submitted from client system -->
      <xs:element name="TotalRecords" type="xs:int" minOccurs="1" maxOccurs="1">
        <xs:annotation>
          <xs:documentation>Defines the total number of records submitted from client
system</xs:documentation>
        </xs:annotation>
      </xs:element>

      <!-- Defines the total number of records which got errored out due to some reason -->
      <xs:element name="TotalErrors" type="xs:int" minOccurs="1" maxOccurs="1">
        <xs:annotation>
          <xs:documentation>Defines the total number of records which got errored out
due to some reason</xs:documentation>
        </xs:annotation>
      </xs:element>

      <!-- Defines the total number of records submitted from client system and accepted
successfully by server -->
      <xs:element name="TotalValid" type="xs:int" minOccurs="1" maxOccurs="1">
        <xs:annotation>
          <xs:documentation>Defines the total number of records submitted from client
system and accepted successfully by server</xs:documentation>
        </xs:annotation>
      </xs:element>

      <!-- Defines the total number of records submitted from client system and accepted
successfully by server but have invalid data as warning -->
      <xs:element name="TotalWarnings" type="xs:int" minOccurs="1"
maxOccurs="1">
        <xs:annotation>
          <xs:documentation>Defines the total number of records submitted from client
system and accepted successfully by server</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

        </xs:sequence>
    </xs:complexType>
</xs:element>

    <!-- Defines the status of transaction -->
    <xs:element name="TransactionStatus" type="tns:TransactionStatusType"
minOccurs="1" maxOccurs="1">
        <xs:annotation>
            <xs:documentation>Defines the status of transaction</xs:documentation>
        </xs:annotation>
    </xs:element>
    <xs:element name="ErrorDataList">
        <xs:complexType>
            <xs:sequence>
                <xs:element name="ErrorData" minOccurs="0" maxOccurs="unbounded">
                    <xs:complexType>
                        <xs:sequence>
                            <xs:element name="SegmentName" type="xs:string" minOccurs="1"
maxOccurs="1">
                                <xs:annotation>
                                    <xs:documentation>The segment name in ASAP format like PHA.1,
PRE.1 etc</xs:documentation>
                                </xs:annotation>
                            </xs:element>
                            <xs:element name="ValueGiven" type="xs:string" minOccurs="1"
maxOccurs="1">
                                <xs:annotation>
                                    <xs:documentation>The value passed in request</xs:documentation>
                                </xs:annotation>
                            </xs:element>
                            <xs:element name="ErrorMessage" type="xs:string" minOccurs="1"
maxOccurs="1">
                                <xs:annotation>
                                    <xs:documentation>Complete error message from server for this
prescription</xs:documentation>
                                </xs:annotation>
                            </xs:element>
                            <xs:element name="PrescriptionNumber" type="xs:string" minOccurs="0"
maxOccurs="1">
                                <xs:annotation>
                                    <xs:documentation>Prescription number passed in request that defines
the unique prescription field along with other fields</xs:documentation>
                                </xs:annotation>
                            </xs:element>
                            <xs:element name="PharmacyDEA" type="xs:string" minOccurs="0"
maxOccurs="1">
                                <xs:annotation>
                                    <xs:documentation>Pharmacy DEA number passed in request that
defines the unique prescription field along with other fields</xs:documentation>
                                </xs:annotation>
                            </xs:element>
                        </xs:sequence>
                    </xs:complexType>
                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>

```

```

        </xs:element>
        <xs:element name="DspCountNumber" type="xs:string" minOccurs="0"
maxOccurs="1">
            <xs:annotation>
                <xs:documentation>DSP count number</xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:element name="DateFilled" type="xs:string" minOccurs="0"
maxOccurs="1">
            <xs:annotation>
                <xs:documentation>Filled date value passed in request that defines the
unique prescription field along with other fields</xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:element name="ProductId" type="xs:string" minOccurs="0"
maxOccurs="1">
            <xs:annotation>
                <xs:documentation>Product id value passed in request that defines the
unique prescription field along with other fields</xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:element name="RefillNumber" type="xs:string" minOccurs="0"
maxOccurs="1">
            <xs:annotation>
                <xs:documentation>Refill number value passed in request that defines
the unique prescription field along with other fields</xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:element name="PartialFillValue" type="xs:string" minOccurs="0"
maxOccurs="1">
            <xs:annotation>
                <xs:documentation>Partial fill value passed in request that defines the
unique prescription field along with other fields</xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:element name="ReportingFlagProvided" type="xs:string"
minOccurs="0" maxOccurs="1">
            <xs:annotation>
                <xs:documentation>Reporting flag value passed in request that defines
the unique prescription field along with other fields</xs:documentation>
            </xs:annotation>
        </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="WarningDataList">
    <xs:complexType>
        <xs:sequence>

```



```

<xs:element name="WarningData" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="SegmentName" type="xs:string" minOccurs="1"
maxOccurs="1">
        <xs:annotation>
          <xs:documentation>The segment name in ASAP format like PHA.1,
PRE.1 etc</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ValueGiven" type="xs:string" minOccurs="1"
maxOccurs="1">
        <xs:annotation>
          <xs:documentation>The value passed in request</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ErrorMessage" type="xs:string" minOccurs="1"
maxOccurs="1">
        <xs:annotation>
          <xs:documentation>Complete error message from server for this
prescription</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="PrescriptionNumber" type="xs:string" minOccurs="0"
maxOccurs="1">
        <xs:annotation>
          <xs:documentation>Prescription number passed in request that defines
the unique prescription field along with other fields</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="PharmacyDEA" type="xs:string" minOccurs="0"
maxOccurs="1">
        <xs:annotation>
          <xs:documentation>Pharmacy DEA number passed in request that
defines the unique prescription field along with other fields</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="DspCountNumber" type="xs:string" minOccurs="0"
maxOccurs="1">
        <xs:annotation>
          <xs:documentation>DSP count number</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="DateFilled" type="xs:string" minOccurs="0"
maxOccurs="1">
        <xs:annotation>
          <xs:documentation>Filled date value passed in request that defines the
unique prescription field along with other fields</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

maxOccurs="1">
    <xs:element name="ProductId" type="xs:string" minOccurs="0"
    <xs:annotation>
        <xs:documentation>Product id value passed in request that defines the
        unique prescription field along with other fields</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="RefillNumber" type="xs:string" minOccurs="0"
maxOccurs="1">
    <xs:annotation>
        <xs:documentation>Refill number value passed in request that defines
        the unique prescription field along with other fields</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="PartialFillValue" type="xs:string" minOccurs="0"
maxOccurs="1">
    <xs:annotation>
        <xs:documentation>Partial fill value passed in request that defines the
        unique prescription field along with other fields</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="ReportingFlagProvided" type="xs:string"
minOccurs="0" maxOccurs="1">
    <xs:annotation>
        <xs:documentation>Reporting flag value passed in request that defines
        the unique prescription field along with other fields</xs:documentation>
    </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="ResponseCode" type="tns:ResponseCodeType" minOccurs="1"
maxOccurs="1">
    <xs:annotation>
        <xs:documentation>Response Code may defines the various errors caused and success
        code as well.</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="ResponseMessage" type="xs:string" minOccurs="1" maxOccurs="1">
    <xs:annotation>
        <xs:documentation>complete message of error or success case</xs:documentation>
    </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

<xs:simpleType name="ResponseCodeType">

```

```

<xs:annotation>
  <xs:documentation>Defines the various response code possible from endpoint in case of
success and error cases</xs:documentation>
</xs:annotation>
<xs:restriction base="xs:token">
  <xs:enumeration value="200"/> <!-- For successful case -->

      <!-- Data Correction is required -->
      <xs:enumeration value="207"/> <!-- Partial success -->
      <xs:enumeration value="400"/> <!-- Bad request from client side in request
parameters-->
      <xs:enumeration value="406"/> <!-- Bad request from client side in request
data, only one patient prescription data is supported -->
      <xs:enumeration value="412"/> <!-- Defined ASAP rule not followed in given
ASAP data -->
      <xs:enumeration value="415"/> <!-- In case wrong media/content type is
password in http header -->

      <xs:enumeration value="401"/> <!-- In case of SSL validation will fail -->
      <xs:enumeration value="403"/> <!-- In case of access-key validation fail -->

      <xs:enumeration value="429"/> <!-- In case server identified a threshold limit
reached from client system for failed calls, Account is locked due to wrong data coming: Limit crossed --
>

      <xs:enumeration value="503"/> <!-- In case of service not available or down
due to maintenance reason -->
      <xs:enumeration value="504"/> <!-- In case of timeout -->
      <xs:enumeration value="505"/> <!-- API version is not supported -->
      <xs:enumeration value="500"/> <!-- In case of server error, check error detail
for more information in such cases -->

</xs:restriction>
</xs:simpleType>

<xs:simpleType name="RequestTypeSchemaType">
  <xs:annotation>
    <xs:documentation>Defines the request type client system is sending for this transaction,
request type can be TEST" or PROD</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="TEST"/>
    <xs:enumeration value="PROD"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="TransactionStatusType">
  <xs:annotation>
    <xs:documentation>Defines the transaction status of processing</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <!-- Defines all records are errored out, and there is no single successful prescription data -->

```

```
<xs:enumeration value="ERROR"/>

<!-- Defines few records are errored out, and there are some successful prescription data -->
<xs:enumeration value="PARTIAL-SUCCESS"/>

<!-- Defines all records are successfully accepted by the system -->
<xs:enumeration value="SUCCESS"/>
</xs:restriction>
</xs:simpleType>

<xs:simpleType name="StateCodeType">
  <xs:annotation>
    <xs:documentation>States in two string length format</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="AA"/>
    <xs:enumeration value="AE"/>
    <xs:enumeration value="AK"/>
    <xs:enumeration value="AL"/>
    <xs:enumeration value="AP"/>
    <xs:enumeration value="AR"/>
    <xs:enumeration value="AS"/>
    <xs:enumeration value="AZ"/>
    <xs:enumeration value="CA"/>
    <xs:enumeration value="CO"/>
    <xs:enumeration value="CT"/>
    <xs:enumeration value="CN"/>
    <xs:enumeration value="DC"/>
    <xs:enumeration value="DE"/>
    <xs:enumeration value="FL"/>
    <xs:enumeration value="FM"/>
    <xs:enumeration value="GA"/>
    <xs:enumeration value="GU"/>
    <xs:enumeration value="HI"/>
    <xs:enumeration value="IA"/>
    <xs:enumeration value="ID"/>
    <xs:enumeration value="IL"/>
    <xs:enumeration value="IN"/>
    <xs:enumeration value="KS"/>
    <xs:enumeration value="KY"/>
    <xs:enumeration value="LA"/>
    <xs:enumeration value="MA"/>
    <xs:enumeration value="MD"/>
    <xs:enumeration value="ME"/>
    <xs:enumeration value="MH"/>
    <xs:enumeration value="MI"/>
    <xs:enumeration value="MN"/>
    <xs:enumeration value="MO"/>
    <xs:enumeration value="MP"/>
    <xs:enumeration value="MS"/>
    <xs:enumeration value="MT"/>
  </xs:restriction>
</xs:simpleType>
```

```

<xs:enumeration value="MX"/>
<xs:enumeration value="NC"/>
<xs:enumeration value="ND"/>
<xs:enumeration value="NE"/>
<xs:enumeration value="NH"/>
<xs:enumeration value="NJ"/>
<xs:enumeration value="NM"/>
<xs:enumeration value="NV"/>
<xs:enumeration value="NY"/>
<xs:enumeration value="OH"/>
<xs:enumeration value="OK"/>
<xs:enumeration value="OR"/>
<xs:enumeration value="PA"/>
<xs:enumeration value="PR"/>
<xs:enumeration value="PW"/>
<xs:enumeration value="RI"/>
<xs:enumeration value="SC"/>
<xs:enumeration value="SD"/>
<xs:enumeration value="TN"/>
<xs:enumeration value="TX"/>
<xs:enumeration value="UT"/>
<xs:enumeration value="VA"/>
<xs:enumeration value="VI"/>
<xs:enumeration value="VT"/>
<xs:enumeration value="WA"/>
<xs:enumeration value="WI"/>
<xs:enumeration value="WV"/>
<xs:enumeration value="WY"/>
</xs:restriction>
</xs:simpleType>
</xs:schema>
    
```

9.2 Request Parameters

There are two basic data element types used and defined in this document.

AN (Alphanumeric): An alphanumeric field can accept both numbers and characters.

DT (Datetime): Date with time.

Table 1: Data Type and Validation Rules. R (Required), O (Optional), and Situational (in case of error response).

Field Name	Description	Type	Length	Validation	Sample Value
------------	-------------	------	--------	------------	--------------

RequestId	Defines the request ID from the client system.	AN	50	R	123-123-1113
APIVersion	Defines the API version the client system is using.	AN	7	O	V-1.0.0
RequestType	Defines the request type the client system is sending for the transaction, request type can be "TEST" or "PROD".	AN	4	O	TEST
RequestedDate	Defines the requested date in YYYY-MM-DDThh:mm:ss.SZ format in UTC time.	DT	N/A	R	2023-01-20T12:00:00.1000Z
UserIdentification	Defines user ID or identifier of the user who logged in the pharmacy/data submission system and is dispensing medication.	AN	300	R	4212 / email
SubmissionForState Code	State code for the state the submission is intended.	AN	2	R	PA
RequestData	ASAP data (must follow specification defined in the Data Submitter Guide).	AN	2,147,483,647	R	TH*4.2*.. IS*PA*.. PHA*.. PAT*****TEST*Bill*.. DSP*00*5908941*20230301*.. PRE*1457437931*.. AIR*..

					TP*186\ TT*..
--	--	--	--	--	------------------

9.3 Response Parameters

Table 2: Data Type and Validation Rules. R (Required) O (Optional) and Situational (in case of error response).

Field Name	Description	Data Type	Length	Validation	Sample Value
RequestId	Defines the request ID from the client system, (same as request transaction's request id).	AN	50	R	123-123-1113
ResponseTrackingId	Defines the server tracking ID from the server used to process the transaction.	AN	50	R	AD752333-AC8A-4DEE-B9FE-906B004AC282
APIVersion	Defines the API version the client system is using.	AN	7	O	V-1.0.0
RequestType	Defines the request type client system is sending for the transaction. The request type must be "TEST" or "PROD".	AN	4	O	TEST

RequestedDate	Defines the requested date in YYYY-MM-DDThh:mm:ss.SZ format in UTC time.	DT	N/A	R	2023-01-20T12:00:00.1000Z
RespondedDate	Defines the responded date in YYYY-MM-DDThh:mm:ss.SZ format in UTC time.	DT	N/A	R	2023-01-20T12:00:00.4000Z
SubmissionForStateCode	State code for the state the submission is intended.	AN	2	R	PA

9.4 Response Code Details and Explanation

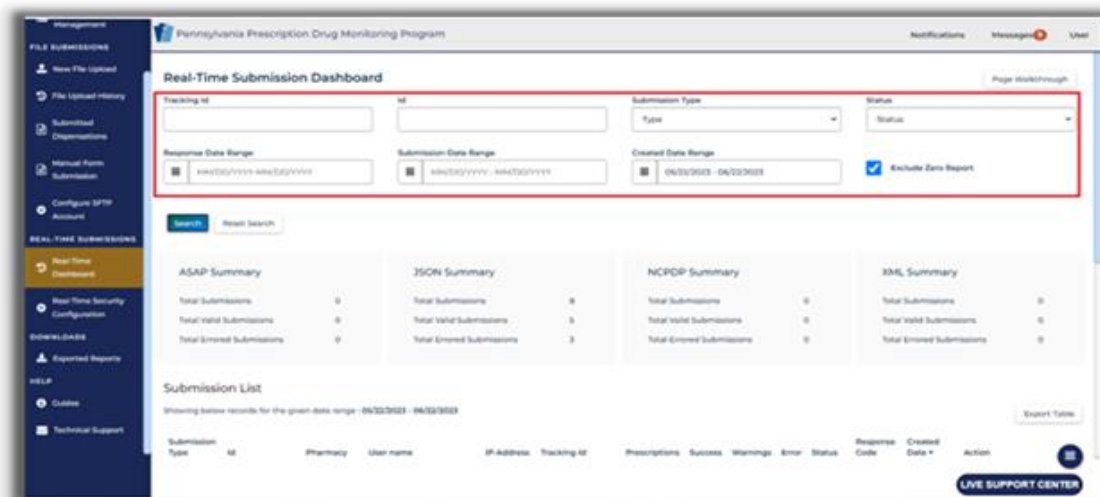
Table 3: Response Codes

Response Code	Detail	Action Item for Client
200	Successful case: Request Data does not contain any error and is accepted by the system for processing.	No action required.
207	Partial success: Part of the data set contains an error that must be resolved.	Correct the error in the data and resend.
400	Bad request from the client side in the request parameters or data is not in the XML defined schema.	Correct the error and resend the data.
401	SSL validation failed.	Verify that your SSL validation is entered correctly and then resend data.
403	Access-key validation failed.	Verify that your Access-key, Secret-Key and source id passed in HTTP header and send as SHA 512 hash string is correct and then resend the data.
406	Bad request from the client side in request data where more than one patient data was sent.	Only one patient can be sent per request. Please resend the data in separate requests for each patient.

412	Defined ASAP rule is not followed in the given ASAP data.	Please verify that you are sending the correct value for each ASAP field and resend the data..
415	Wrong media/content type is the password of the http header.	Please resubmit the data using the correct Media/content type. .
429	The server identified a threshold limit reached by the client system for failed calls.	The client should ensure the server is not sending one single request continuously.
503	The service is not available or down due to maintenance.	Retry the request.
504	Request timeout.	Retry the request.
505	API version is not supported.	Please resubmit the data using the supported API version .
500	There is a server error. Check for error details.	Retry the request.

10. Real-Time Submission Dashboard

The **Real-Time Submission Dashboard** page allows a user to see the real-time transaction history data processed within the PDMP System. Filters are available to target specific information.



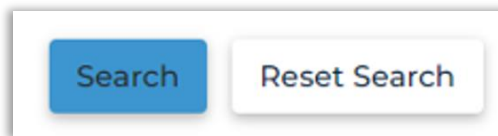
10.1 Filters

- The **Tracking ID** field is for the response tracking ID that is generated from the server side. For any issues in submissions and analysis, this tracking ID will be shared with LogiCoy support.
 - The **Tracking ID** is assigned to the record after submission from the server side.
 - **NOTE:** It is possible to find the **Tracking ID** under **Action** → **More Details** when viewing the prescription on the **Submitted Dispensations** page.
- The **ID** field is the client request ID, which is present in the request for prescription records. This ID is generated by the system that submitted the data.
- The **Submission Type** can be used to find the specific submission type: ASAP, JSON, NCPDP, or XML.
- The **Status** dropdown can be used to find failed or successful submissions:
 - **Success**- all records in the file were submitted successfully.
 - **Partial Success**- some records were submitted successfully, and some records failed.
 - **Error**- all records in the file failed.
- The **Response Date Range** field can be used to search for a specific submission date or date range when the record was accepted into the system.

- The **Submission Date Range** field can be used to search for a specific submission date or date range when the record was submitted into the system.
- The **Created Date Range** field can be used to search for a specific date or date range that the record was created in the system.
- The **Exclude Zero Report checkbox** can be used to filter out zero report submissions.

10.2 Searching Data

Once information is entered, click on the **Search** button. The **Reset Search** button will clear out all filtered information.



Note: At any time after clicking **Search**, a user can click the **Back** button on the top-right of the page to go back to the previous page without losing the search.

The results will display as follows:

Submission Type	Id	Pharmacy	User name	IP-Address	Tracking Id	Prescriptions	Success	Warnings	Error	Status	Response Code	Created Date	Action
JSON 1.0	b5b28ac3-6f5b-4a4b-8e49-8a8581ad22a3	LEVINSTEIN, GENE MD	suhanadatasu bmitter@mailinator.com	172.30.0.190	70688C54-E2A6-4E3E-89D3-B046F9B940F0	1	1	1	0	Success	200	05/23/2023 12:20:35	Action
JSON 1.0	54931149-7df3-45e2-b10e-148a11513086	LEVINSTEIN, GENE MD	suhanadatasu bmitter@mailinator.com	172.30.0.190	EF6DABC7-1615-42D5-BBB1-894CD82EDB3B	1	1	1	0	Success	200	05/23/2023 12:21:31	Action
JSON 1.0	24f9c4e9-9461-47cb-Rh75-	LEVINSTEIN, GENE MD	suhanadatasu bmitter@mailinator.com	172.30.0.190	01729E01-6F6F-4703-90A2-57347C4A4F9D8	1	1	1	0	Success	200	05/23/2023 12:08:00	Action

10.2.1 Column Definitions

The definitions of the columns are listed below.

Submission List

Showing below records for the given date range : 04/23/2023 - 05/23/2023

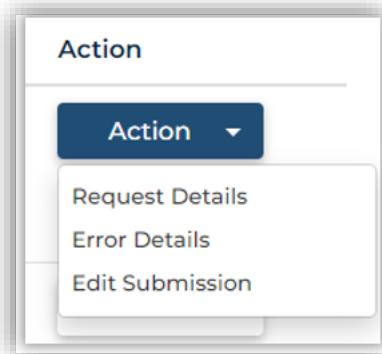
Export Table

Submission Type	Id	Pharmacy	User name	IP-Address	Tracking Id	Prescriptions	Success	Warnings	Error	Status	Response Code	Created Date	Action
JSON 1.0	b5b28ac3-6f5b-4a4b-8e49-8a8581ad22a3	LEVINSTEIN, GENE MD	suhanadatasu bmitter@mailinator.com	172.30.0.190	70688C54-E2A6-4E3E-89D3-BO46F9B940F0	1	1	1	0	Success	200	05/23/2023 12:20:35	Action

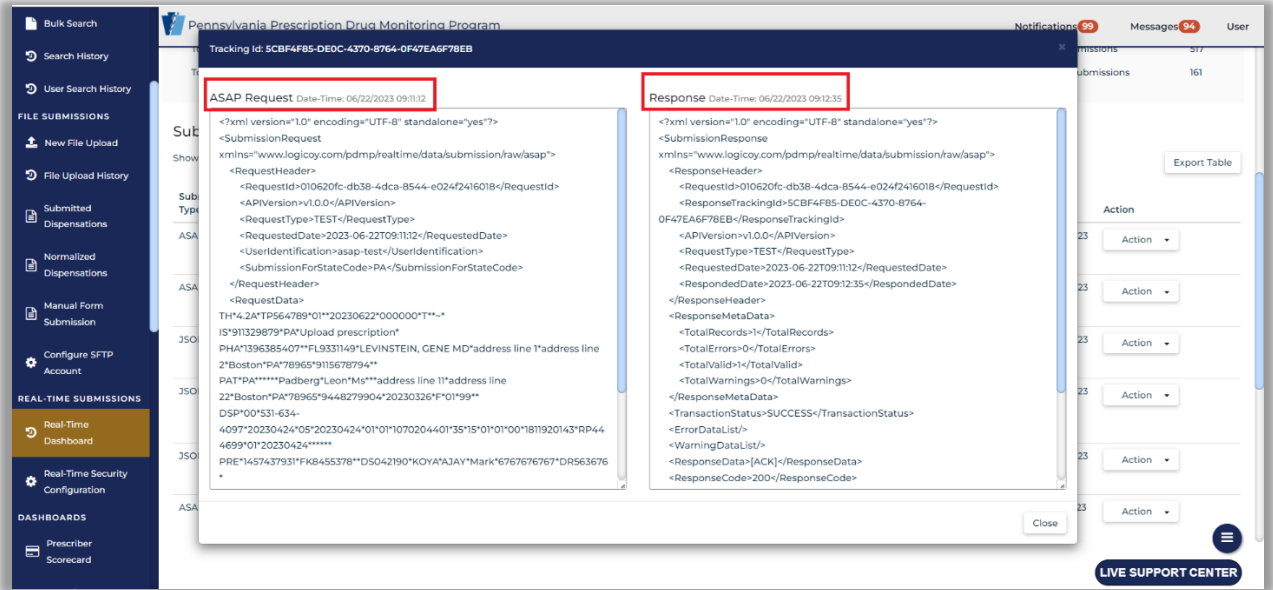
- **Submission Type**- type of submission (ASAP, JSON, NCPDP, XML) and the API Version
- **ID**- the ID that is sent with the submission
- **Pharmacy**- the name of the pharmacy at which the prescription was filled and dispensed
- **User name**- the email address for the individual who submitted the record
- **IP address**- the device from which the real-time submission was transmitted
- **Tracking ID**- the ID assigned to the record after submission
- **Prescriptions**- total number of prescriptions in the data submitted
- **Success**- total number successfully submitted prescriptions
- **Warnings**- total number of prescriptions that have a warning in the submitted data file
- **Error**- total number of prescriptions that contain an error in the submitted data file
- **Status**- submission status (e.g., Success, Partial Success, Error)
- **Response Code**- code for the submission (e.g., 200, 207, 412)
 - **NOTE:** See Section 8.4, Table 3 for Response Code titles and descriptions.
- **Created Date**- shows the time stamp when the record was submitted
- **Action**- other information or actions that can be performed.

10.2.2 Actions

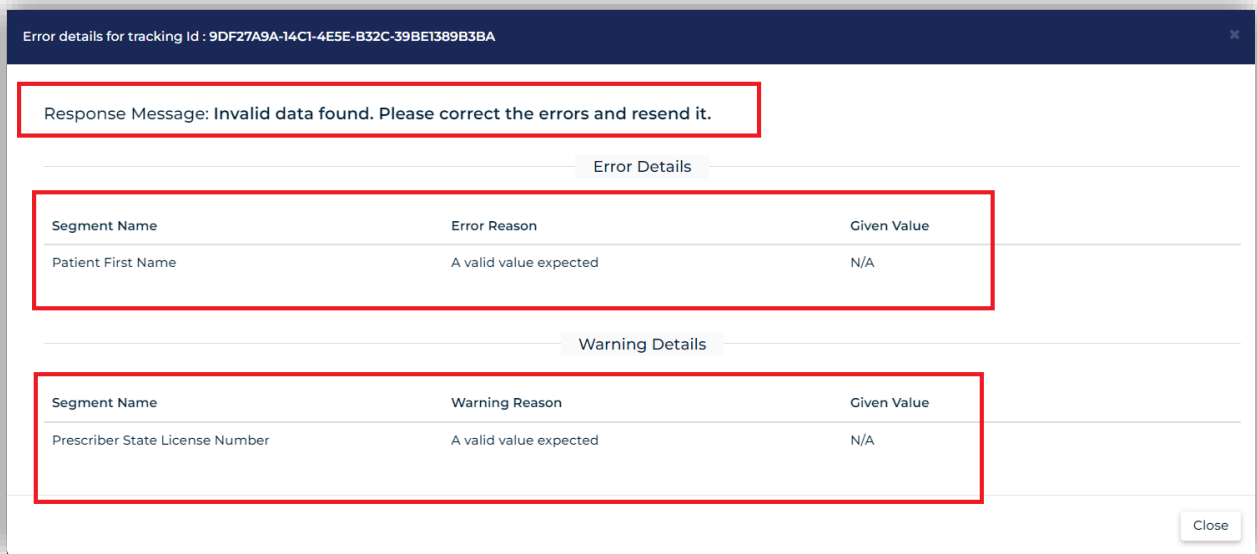
The Actions that can be taken are listed below.



- **Request Details**- shows the request and the response that was received while submitting the record.

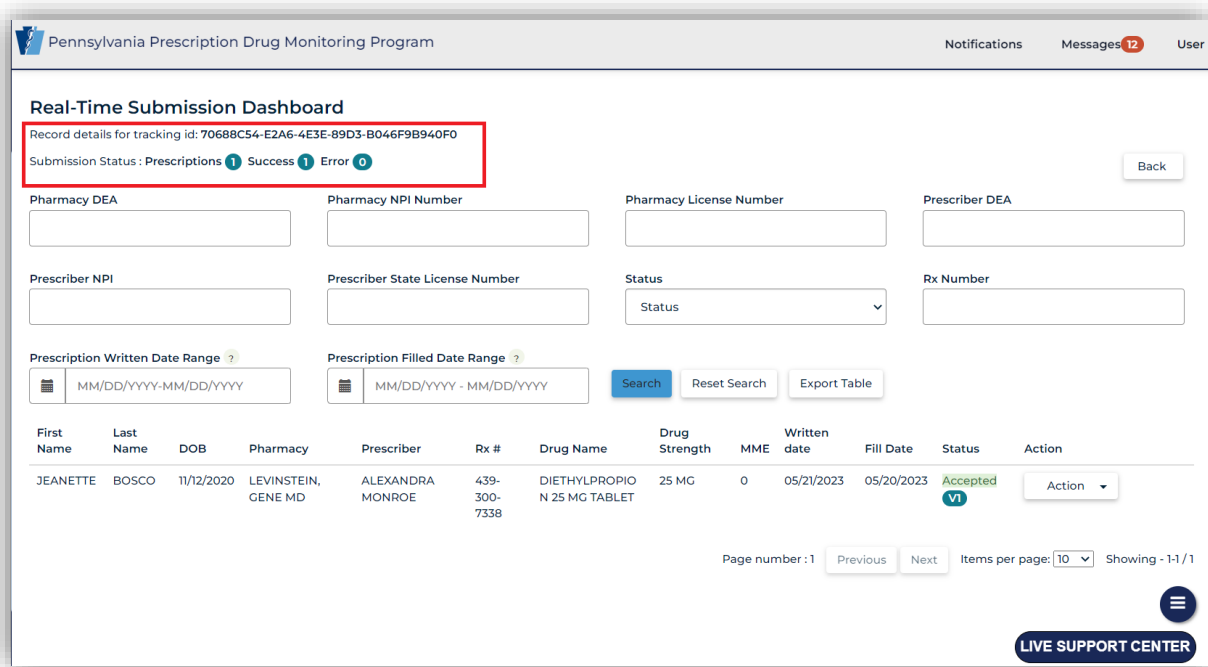


- **Error Details-** shows the Response Message, Error Details, and Warning Details.

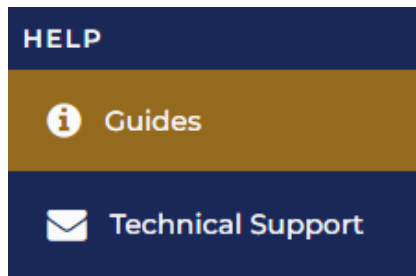


- **Edit Submission-** shows a list of all prescription records submitted with the **Tracking ID**. On this screen, a user can search for a specific Rx Number. This screen will show multiple records for a

single prescription if multiple records have been submitted – including records that have errors and are not visible in the PDMP (as well as Accepted records, Resubmissions, and Duplicate records).




This page will let the user search for prescriptions or look for any **Actions** needed on the current prescription record. The PDMP will allow error correction and show record details in the same way as other prescriptions that are not submitted in real-time. For more information on Actions that can be taken on individual prescription records, please refer to the Data Compliance chapter of the PA PDMP Data Submitter Guide, found under the **Help** section of the left sidebar.



PDMP Guide for Registered Users

Videos Documents Images



Data Submitter Guide 03-23-2023 LogiCoy	Pharmacist Guide 03-23-2023 LogiCoy	Prescriber Guide 03-23-2023 LogiCoy
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8. DATA COMPLIANCE

8.1 FILE UPLOAD HISTORY

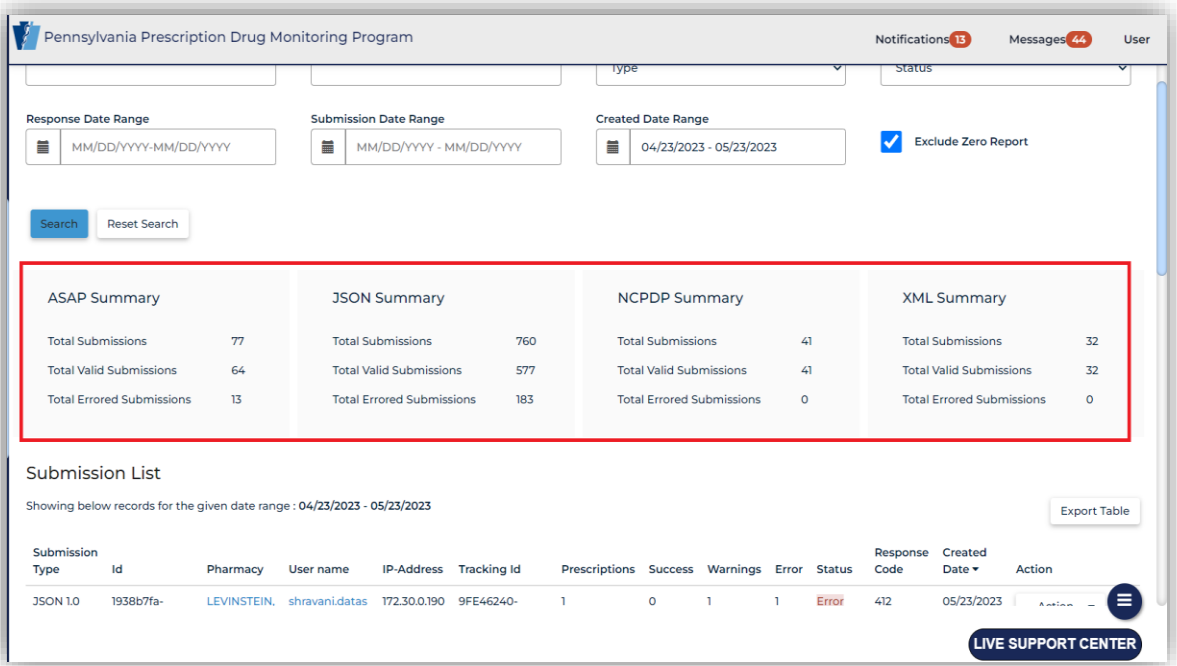
8.2 VIEW OR EDIT FILE RECORDS

8.3 ERROR CORRECTION

8.4 VENDOR UPLOADS (PIC ACCESS ONLY)

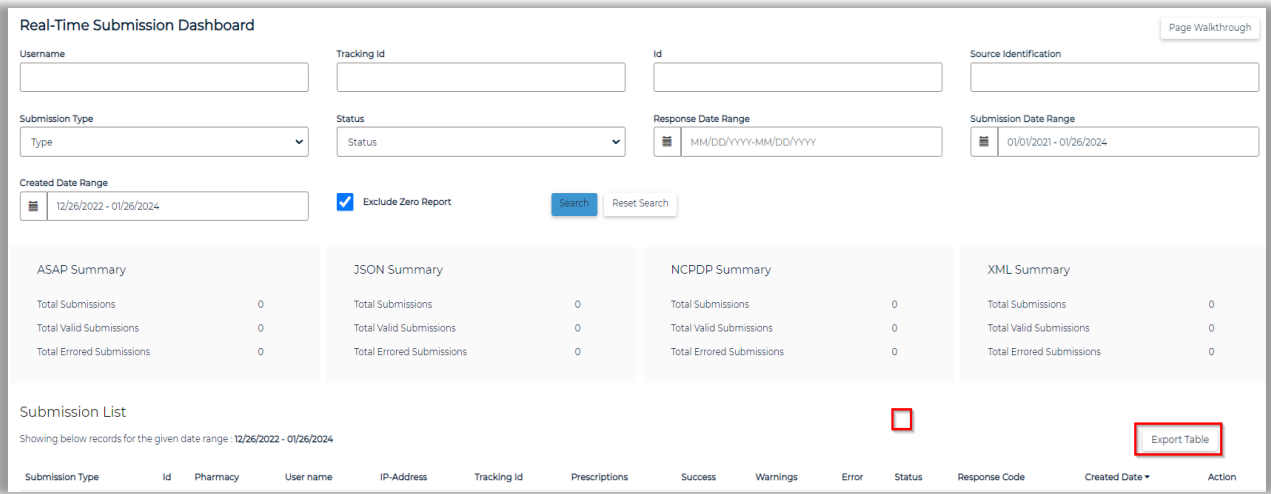
10.3 Count Summary

The gray highlighted section is a summary that shows the total count of submissions, total valid submissions, and total errored submissions, based on submission type. These fields will not populate with totals until the **Search** button has been clicked.

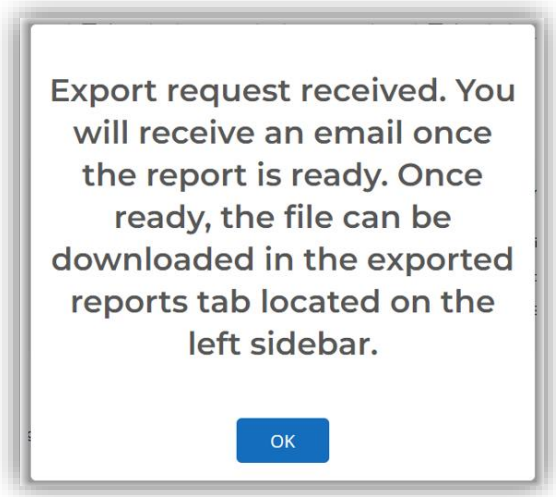


10.4 Export Table

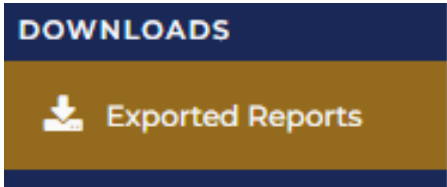
Information in the dashboard can be exported by clicking the **Export Table** button in the lower right corner of the screen.



Once you click on the **Export Table** button, a pop-up window will appear.



Click the **OK** button. The file can be found in the **Exported Reports** section on the left sidebar.



Appendix A: ASAP 4.2 Specifications

The following information is the required definitions for submitting ASAP 4.2 records to PDMP.

The table will list the Segment, Element ID, Element Name, and Requirement. The

Requirement column uses the following codes:

- R = Required
- N = Not Required but Accepted if Submitted
- S = Situational

Segment	Element ID	Element Name	Requirement
TH: Transaction Header (required)			
Used to indicate the start of a transaction. It also assigns the data element separator, segment terminator, and control number.			
	TH01	Version/Release Number Code uniquely identifying the transaction. Format = xx.x	R
	TH02	Transaction Control Number Sender assigned code uniquely identifying a transaction.	R
	TH03	Transaction Type Identifies the purpose of initiating the transaction. <ul style="list-style-type: none"> • 01 Send/Request Transaction • 02 Acknowledgement (used in Response only) • 03 Error Receiving (used in Response only) • 04 Void (used to void a specific Rx in a real-time transmission or an entire batch that has been transmitted) 	N
	TH04	Response ID Contains the Transaction Control Number of a transaction that initiated the transaction. Required in response transaction only.	N
	TH05	Creation Date Date the transaction was created. Format: CCYYMMDD.	R
	TH06	Creation Time Time the transaction was created. Format: HHMMSS or HHMM.	R
	TH07	File Type <ul style="list-style-type: none"> • P = Production • T = Test 	R

TH08	Routing Number Reserved for real-time transmissions that go through a network switch to indicate, if necessary, the specific state PMP the transaction should be routed to.	N
TH09	Segment Terminator Character This terminates the TH segment and sets the actual value of the data segment terminator for the entire transaction.	R

Segment	Element ID	Element Name	Requirement
IS: Information Source (required)			
Used to convey the name and identification numbers of the entity supplying the information.			
	IS01	Unique Information Source ID Reference number or identification number. (Example: phone number)	R
	IS02	Information Source Entity Name Entity name of the Information Source.	R
	IS03	Message Free-form text message.	N
PHA: Pharmacy Header (required)			
Used to identify the pharmacy.			
Note: Information must be provided in at least one of the following fields: PHA01, PHA02, or PHA03.			
	PHA01	National Provider Identifier (NPI) Identifier assigned to the pharmacy by CMS.	R
	PHA02	NCPDP/NABP Provider ID Identifier assigned to pharmacy by the National Council for Prescription Drug Programs.	R
	PHA03	DEA Number Identifier assigned to the pharmacy by the Drug Enforcement Administration.	R
	PHA04	Pharmacy Name Free-form name of the pharmacy or dispensing practitioner.	R
	PHA05	Address Information – 1 Free-form text for address information.	N
	PHA06	Address Information – 2 Free-form text for address information, if needed.	N
	PHA07	City Address Free-form text for city name.	N
	PHA08	State Address U.S. Postal Service state code.	N
	PHA09	ZIP Code Address U.S. Postal Service ZIP Code.	N
	PHA10	Phone Number Complete phone number including area code. Do not include hyphens.	N
	PHA11	Contact Name Free-form name.	N

Segment	Element ID	Element Name	Requirement
	PHA12	Chain Site ID Store number assigned by the chain to the pharmacy location. Used when the PMP needs to identify the specific pharmacy from which information is required.	S
PAT: Patient Information (required) Used to report the patient's name and basic information as contained in the pharmacy record.			
	PAT01	ID Qualifier of Patient Identifier Code identifying the jurisdiction that issues the ID in PAT03.	S
	PAT02	ID Qualifier Code to identify the type of ID in PAT03. If PAT02 is used, PAT03 is required. <ul style="list-style-type: none"> • 01 Military ID • 02 State Issued ID • 03 Unique System ID • 04 Permanent Resident Card (Green Card) • 05 Passport ID • 06 Driver's License ID • 07 Social Security Number • 08 Tribal ID 	S
	PAT03	ID of Patient Identification number for the patient as indicated in PAT02. An example would be the driver's license number.	S
	PAT04	ID Qualifier of Additional Patient Identifier Code identifying the jurisdiction that issues the ID in PAT06. Used if the PMP requires such identification.	N

Segment	Element ID	Element Name	Requirement
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PAT05	<p>Additional Patient ID Qualifier Code to identify the type of ID in PAT06 if the PMP requires a second identifier. If PAT05 is used, PAT06 is required.</p> <ul style="list-style-type: none"> • 01 Military ID • 02 State Issued ID • 03 Unique System ID • 04 Permanent Resident Card • 05 Passport ID • 06 Driver’s License ID • 07 Social Security Number • 08 Tribal ID • 99 Other (agreed upon ID) 	N
PAT06	<p>Additional ID Identification that might be required by the PMP to further identify the individual. An example might be that in PAT03 driver’s license is required and in PAT06 Social Security number is also required.</p>	N
PAT07	<p>Last Name Patient’s last name.</p>	R
PAT08	<p>First Name Patient’s first name.</p>	R
PAT09	<p>Middle Name Patient’s middle name or initial, if available.</p>	S
PAT10	<p>Name Prefix Patient’s name prefix such as Mr. or Dr., if available.</p>	N
PAT11	<p>Name Suffix Patient’s name suffix such as <i>Jr.</i> or <i>the III</i>, if available.</p>	S
PAT12	<p>Address Information – 1 Free-form text for street address information.</p>	R
PAT13	<p>Address Information – 2 Free-form text for additional address information, if available.</p>	S
PAT14	<p>City Address Free-form text for city name.</p>	R
PAT15	<p>State Address U.S. Postal Service state code</p> <p><i>Note: Field has been sized to handle international patients not residing in the U.S.</i></p>	R

Segment	Element ID	Element Name	Requirement
	PAT16	ZIP Code Address U.S. Postal Service ZIP code. Populate with zeros if patient address is outside the U.S.	R
	PAT17	Phone Number Complete phone number including area code. Do not include hyphens.	R
	PAT18	Date of Birth Date patient was born. Format: CCYYMMDD	R
	PAT19	Gender Code Code indicating the sex of the patient. <ul style="list-style-type: none"> • F Female • M Male • U Unknown 	R
	PAT20	Species Code Used if required by the PMP to differentiate a prescription for an individual from one prescribed for an animal. <ul style="list-style-type: none"> • 01 Human • 02 Veterinary Patient 	S
	PAT21	Patient Location Code Code indicating where patient is located when receiving pharmacy services. <ul style="list-style-type: none"> • 01 Home • 02 Intermediary Care • 03 Nursing Home • 04 Long-Term/Extended Care • 05 Rest Home • 06 Boarding Home • 07 Skilled-Care Facility • 08 Sub-Acute Care Facility • 09 Acute-Care Facility • 10 Outpatient • 11 Hospice • 98 Unknown • 99 Other 	N
	PAT22	Country of Non-U.S. Resident Used when the patient’s address is a foreign country and PAT12 through PAT16 are left blank.	N

PAT23	Name of Animal Used if required by the PMP for prescriptions written by a veterinarian and the pharmacist has access to this information at the time of dispensing the prescription.	S
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Segment	Element ID	Element Name	Requirement
<p>DSP: Dispensing Record (required) Used to identify the basic components of dispensing of a given prescription order including the date and quantity.</p>			
	<p>DSP01</p>	<p>Reporting Status DSP01 requires one of the following codes, and an empty or blank field no longer indicates a new prescription transaction:</p> <ul style="list-style-type: none"> • 00 New Record (indicates a new prescription dispensing transaction) • 01 Revise (indicates that one or more data element values in a previously submitted transaction are being revised) • 02 Void (message to the PMP to remove the original prescription transaction from its data, or to mark the record as invalid or to be ignored). <p><i>*Note: For prescriptions voided with code “02”, a limited data set is being offered as an option PDMPs can elect to use rather than requiring the entire prescription to be voided. This option is offered in order to streamline the process in the pharmacy when voiding a prescription.</i></p>	<p>R</p>
	<p>DSP02</p>	<p>Prescription Number Serial number assigned to the prescription by the pharmacy.</p>	<p>R</p>
	<p>DSP03</p>	<p>Date Written Date the prescription was written (authorized). Format: CCYYMMDD</p>	<p>R</p>
	<p>DSP04</p>	<p>Refills Authorized The number of refills authorized by the prescriber.</p>	<p>R</p>
	<p>DSP05</p>	<p>Date Filled Date prescription was prepared. Format: CCYYMMDD</p>	<p>R</p>
	<p>DSP06</p>	<p>Refill Number Number of the fill of the prescription. 0 indicates New Rx; 01-99 is the refill number.</p>	<p>R</p>
	<p>DSP07</p>	<p>Product ID Qualifier Used to identify the type of product ID contained in DSP08.</p> <ul style="list-style-type: none"> • 01 NDC • 06 Compound 	<p>R</p>

Segment	Element ID	Element Name	Requirement
	DSP08	Product ID Full product identification as indicated in DSP07, including leading zeros without punctuation. If code “06” (indicating a compound) is indicated in DSP07, use “99999” as the first 5 characters; CDI then becomes required.	R
	DSP09	Quantity Dispensed Number of metric units dispensed in metric decimal format. Example: 2.5 <i>Note: For compounds show the first quantity in CDI04.</i>	R
	DSP10	Days' Supply Estimated number of days the medication will last.	R
	DSP11	Drug Dosage Units Code Identifies the unit of measure for the quantity dispensed in DSP09. <ul style="list-style-type: none"> • 01 Each • 02 Milliliters (ml) • 03 Grams (gm) 	R
	DSP12	Transmission Form of Rx Origin Code Code indicating how the pharmacy received the prescription. <ul style="list-style-type: none"> • 01 Written Prescription • 02 Telephone Prescription • 03 Telephone Emergency Prescription • 04 Fax Prescription • 05 Electronic Prescription • 06 Transfer/Forwarded • 99 Other 	R
	DSP13	Partial Fill Indicator Used when the quantity in DSP 09 is less than the metric quantity per dispensing authorized by the prescriber. This dispensing activity is often referred to as a split filling. <ul style="list-style-type: none"> • 00 Not a Partial Fill • 01 First Partial Fill <i>Note: For additional fills per prescription, increment by 1. So, the second partial fill would be reported as 02, up to a maximum of 99.</i>	R
	DSP14	Pharmacist National Provider Identifier (NPI) Identifier assigned to the pharmacist by CMS. This number can be used to identify the pharmacist dispensing the medication.	S

Segment	Element ID	Element Name	Requirement
	DSP15	Pharmacist State License Number This data element can be used to identify the pharmacist dispensing the medication. Assigned to the pharmacist by the State Licensing Board.	S
	DSP16	Classification Code for Payment Type Code identifying the type of payment (i.e., how it was paid for). <ul style="list-style-type: none"> • 01 Private Pay • 02 Medicaid • 03 Medicare • 04 Commercial Insurance • 05 Military Installations and VA • 06 Workers' Compensation • 07 Indian Nations • 99 Other 	R
	DSP17	Date Sold Used to determine the date the prescription left the pharmacy, not the date it was filled, if the dates differ. Format: CCYYMMDD	S
	DSP18	RxNorm Code Qualifier RxNorm Code that is populated in the DRU-010-09 field in the SCRIPT transaction. <ul style="list-style-type: none"> • 01 Semantic Clinical Drug (SCD) • 02 Semantic Branded Drug (SBD) • 03 Generic Package (GPCK) • 04 Branded Package (BPCK) 	N
	DSP19	RxNorm Code Used for electronic prescriptions to capture the prescribed drug product identification.	N
	DSP20	Electronic Prescription Reference Number This field should be populated with the Initiator Reference Number from field UIB-030-01 in the SCRIPT transaction.	N
	DSP21	Electronic Prescription Order Number This field should be populated with the Initiator Control Reference from field UIH-030-01 in the SCRIPT standard.	N

Segment	Element ID	Element Name	Requirement
PRE: Prescriber Information (required)			
Used to identify the prescriber of the prescription.			
	PRE01	National Provider Identifier (NPI) Identifier assigned to the prescriber by CMS.	R
	PRE02	DEA Number Identifying number assigned to a prescriber or an institution by the Drug Enforcement Administration (DEA).	R
	PRE03	DEA Number Suffix Identifying number assigned to a prescriber by an institution when the institution's number is used as the DEA number.	S
	PRE04	Prescriber State License Number Identification assigned to the prescriber by the State Licensing Board.	S
	PRE05	Last Name Prescriber's last name.	R
	PRE06	First Name Prescriber's first name.	R
	PRE07	Middle Name Prescriber's middle name or initial.	S
	PRE08	Phone Number Complete phone number including area code. Do not include hyphens.	N

Segment	Element ID	Element Name	Requirement
CDI: Compound Drug Ingredient Detail (situational)			
Use of this segment is required when medication dispensed is a compound and one of the ingredients is a PMP reporting drug. If more than one ingredient is for a prescription monitoring program reporting drug, then this would be incremented by one for each compound ingredient being reported. If CDI is filled in, the NDC of DSP08 must be 99999999999.			
	CDI01	Compound Drug Ingredient Sequence Number First reportable ingredient is 1; each additional reportable ingredient is incremented by 1.	S
	CDI02	Product ID Qualifier Code to identify the type of product ID contained in CDI03. <ul style="list-style-type: none"> 01 NDC 	S
	CDI03	Product ID Full product identification as indicated in CDI02, including leading zeros without punctuation.	S
	CDI04	Compound Ingredient Quantity Metric decimal quantity of the ingredient identified in CDI03. Example: 2.5	S
	CDI05	Compound Drug Dosage Units Code Identifies the unit of measure for the quantity dispensed in CDI04. List of Values: 01 = Each (used to as a package). 02 = Milliliters (ml) (for liters adjust to the decimal milliliter equivalent). 03 = Grams (gm) (for milligrams adjust to the decimal gram equivalent).	O
AIR: Additional Information Reporting (situational)			
Used when state-issued serialized Rx pads are used, the state requires information on the person dropping off or picking up the prescription, or for data elements not included in other detail segments. Note: If this segment is used, at least one of the data elements (fields) will be required.			
	AIR01	State Issuing Rx Serial Number U.S.P.S. state code of state that issued serialized prescription blank. This is required if AIR02 is used.	N
	AIR02	State Issued Rx Serial Number Number assigned to state issued serialized prescription blank.	N
	AIR03	Issuing Jurisdiction Code identifying the jurisdiction that issues the ID in AIR04. Used if required by the PMP and AIR04 is equal to 02 or 06.	N

	AIR04	<p>ID Qualifier of Person Dropping Off or Picking Up Rx Used to identify the type of ID contained in AIR05 for person dropping off or picking up the prescription.</p> <ul style="list-style-type: none"> • 01 Military ID • 02 State Issued ID • 03 Unique System ID • 04 Permanent Resident Card (Green Card) • 05 Passport ID • 06 Driver’s License ID • 07 Social Security Number • 08 Tribal ID • 99 Other (agreed upon ID) 	N
	AIR05	<p>ID of Person Dropping Off or Picking Up Rx ID number of patient or person picking up or dropping off the prescription.</p>	N
	AIR06	<p>Relationship of Person Dropping Off or Picking Up Rx Code indicating the relationship of the person.</p> <ul style="list-style-type: none"> • 01 Patient • 02 Parent/Legal Guardian • 03 Spouse • 04 Caregiver • 99 Other 	N
	AIR07	<p>Last Name of Person Dropping Off or Picking Up Rx Last name of person picking up the prescription.</p>	N
	AIR08	<p>First Name of Person Dropping Off or Picking Up Rx First name of person picking up the prescription.</p>	N
	AIR09	<p>Last Name or Initials of Pharmacist Last name or initials of pharmacist dispensing the medication.</p>	N
	AIR10	<p>First Name of Pharmacist First name of pharmacist dispensing the medication.</p>	N
	AIR11	<p>Dropping Off/Picking Up Identifier Qualifier Additional qualifier for the ID contained in AIR05</p> <ul style="list-style-type: none"> • 01 Person Dropping Off • 02 Person Picking Up • 03 Unknown/Not Applicable 	N

Segment	Element ID	Element Name	Requirement
<p>TP: Pharmacy Trailer (required) Used to identify the end of data for a given pharmacy and provide the count of the total number of detail segments reported for the pharmacy, including the PHA and TP segment.</p>			
	<p>TP01</p>	<p>Detail Segment Count Number of detail segments included for the pharmacy including the pharmacy header (PHA) and the pharmacy trailer (TP) segments.</p>	<p>R</p>
<p>TT: Transaction Trailer (required) Used to indicate the end of the transaction and provide the count of the total number of segments included in the transaction.</p>			
	<p>TT01</p>	<p>Transaction Control Number Identifying control number that must be unique. Assigned by the originator of the transaction. Must match the number in TH02.</p>	<p>R</p>
	<p>TT02</p>	<p>Segment Count Total number of segments included in the transaction including the header and trailer segments.</p>	<p>R</p>