



# PMIX 3.0 Alternate Meta Data Standard proposal

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## 1 Background

The Prescription Monitoring Information eXchange (PMIX) is a standards organization sponsored by the Bureau of Justice Assistance. Its purpose is to support the sharing of Prescription Drug Monitoring Program data among PDMP organizations and their stakeholders by establishing and maintaining the PMIX National Architecture and related guidelines, policies and standards to minimize the cost and complexity of sharing PDMP data across organizational, vendor, geographic and operational boundaries; enable secure, trusted exchanges of PDMP data and promote consistency among PDMPs.

### 1.1 PMIX National Architecture

The PMIX National Architecture is a nationwide framework designed to enable standards-based sharing of information between Prescription Drug Monitoring Program (PDMP) organizations and their stakeholders.

### 1.2 Guiding Principles

The Guiding Principles of the PMIX National Architecture foster prescription drug information sharing across all Federal, State, Tribal and approved third party entities in accordance with the PMIX National Architecture are:

- Protect state's full rights and control of Data Ownership.
- Promote the adoption of security standards that protects the confidentiality, integrity, and availability of the data, in transit and at rest.
- Promote uniformity in the selection of a limited set of approved common data standards.
- Promote a standard to which IT solution providers are held that ensures the best value products and/or services to PDMP participating states, while maintaining the public's trust and fulfilling public policy objectives.

## 2 Standards Implementation

### 2.1 Audience

This document applies to all entities involved in the exchange of prescription data between Prescription Drug Monitoring programs and their stakeholder organizations as well as data sharing hubs, and other exchange partners or intermediaries when utilizing the PMIX Architecture to exchange or map the exchange to another data sharing standard.

### 2.2 Foundation of the PMIX National Architecture

The PMIX Architecture is based on the National Information Exchange Model (NIEM). The National Information Exchange Model (NIEM) is a common vocabulary that enables efficient information exchange across diverse public and private organizations. NIEM connects communities of people who share a common need to exchange information in order to advance their mission. In addition to NIEM, PMIX also synchronizes its information exchange infrastructure with the American Society for Automation in Pharmacy (ASAP) whose reporting standard is widely used by Prescription Drug Monitoring programs. For more information on these programs, please see their websites:

<https://www.niem.gov/> and <https://www.asapnet.org/>.

## 3 Standards Proposal

### 3.1 Background

As a part of its 2018 – 2019 organizational goals, the Executive Committee of the PMIX Standards Organization created an ad hoc subcommittee to create a proposal for an alternate meta data standard that would allow the exchange of additional data elements. This alternate meta data standard was targeted for, but not limited to integrated partners sharing data through the hubs.

The current metadata schema includes the following fields:

<b>Current PMIX Metadata Elements</b>
Requestor
User Role
Disclosing State
Request ID
Requesting State

The following data elements were identified to be included in the schema:

<b>Proposed PMIX Metadata Elements</b>
Requestor Last Name
Requestor First Name
Requestor ID Type
Requestor ID
Requestor Organization
Requestor Facility
Facility ID Type
Facility ID
Date/Time of Request from Originating System
Hub Search ID

The sample below illustrates the proposed new schema. The actual xsd file is available upon request for review. The latest approved versions of the schema are available on the PMIX website for comparison (<https://www.pdmpassist.org/PMIX/Standards>).

### 3.2 Proposed Schema Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<!--Sample XML file generated by XMLSpy v2011 rel. 3 (http://www.altova.com)-->
<tns:MetaData
  xsi:schemaLocation="http://www.pmix.gov PMIX_Service.Enhanced.0.xsd"
  xmlns:tns="http://www.pmix.gov/enhanced" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

  <tns:Requestor>
    <tns:RequestorRole>Examiner</tns:RequestorRole>
    <tns:RequestorGivenName>String</tns:RequestorGivenName>
    <tns:RequestorSurName>String</tns:RequestorSurName>
    <tns:RequestorIdentification>
      <tns:IdentificationID>String</tns:IdentificationID>
      <tns:IdentificationCategoryCode>DEA</tns:IdentificationCategoryCode>
    </tns:RequestorIdentification>
    <tns:RequestorIdentification>
      <tns:IdentificationID>String</tns:IdentificationID>
      <tns:IdentificationCategoryCode>NPI</tns:IdentificationCategoryCode>
    </tns:RequestorIdentification>
    <tns:RequestorIdentification>
      <tns:IdentificationID>String</tns:IdentificationID>
      <tns:IdentificationCategoryCode>State License</tns:IdentificationCategoryCode>
    </tns:RequestorIdentification>
    <tns:RequestorIdentification>
      <tns:IdentificationID>String</tns:IdentificationID>
      <tns:IdentificationCategoryCode>Other</tns:IdentificationCategoryCode>
    </tns:RequestorIdentification>
    <tns:RequestorFacility>
      <tns:RequestorOrganizationName>String</tns:RequestorOrganizationName>
      <tns:FacilityIdentification>
        <tns:IdentificationID>String</tns:IdentificationID>
        <tns:IdentificationCategoryCode>DEA</tns:IdentificationCategoryCode>
      </tns:FacilityIdentification>
      <tns:FacilityIdentification>
        <tns:IdentificationID>String</tns:IdentificationID>
        <tns:IdentificationCategoryCode>NPI</tns:IdentificationCategoryCode>
      </tns:FacilityIdentification>
      <tns:FacilityIdentification>
        <tns:IdentificationID>String</tns:IdentificationID>
        <tns:IdentificationCategoryCode>State License</tns:IdentificationCategoryCode>
      </tns:FacilityIdentification>
  </tns:Requestor>
</tns:MetaData>
```

```
    </tns:FacilityIdentification>
    <tns:FacilityIdentification>
      <tns:IdentificationID>String</tns:IdentificationID>
      <tns:IdentificationCategoryCode>Other</tns:IdentificationCategoryCode>
    </tns:FacilityIdentification>
  </tns:RequestorFacility>
</tns:Requestor>
```

```
<tns:RequestorOrganization>
  <tns:RequestorOrganizationName>String</tns:RequestorOrganizationName>
  <tns:FacilityIdentification>
    <tns:IdentificationID>String</tns:IdentificationID>
    <tns:IdentificationCategoryCode>DEA</tns:IdentificationCategoryCode>
  </tns:FacilityIdentification>
  <tns:FacilityIdentification>
    <tns:IdentificationID>String</tns:IdentificationID>
    <tns:IdentificationCategoryCode>NPI</tns:IdentificationCategoryCode>
  </tns:FacilityIdentification>
  <tns:FacilityIdentification>
    <tns:IdentificationID>String</tns:IdentificationID>
    <tns:IdentificationCategoryCode>State License</tns:IdentificationCategoryCode>
  </tns:FacilityIdentification>
  <tns:FacilityIdentification>
    <tns:IdentificationID>String</tns:IdentificationID>
    <tns:IdentificationCategoryCode>Other</tns:IdentificationCategoryCode>
  </tns:FacilityIdentification>
</tns:RequestorOrganization>
```

```
<tns:RoutingData>
  <tns:RequestID>String</tns:RequestID>
  <tns:RequestDateTime>2019-05-01T09:30:00.123Z</tns:RequestDateTime>
  <tns:RequestingState>String</tns:RequestingState>
  <tns:StateRequestID>String</tns:StateRequestID>
  <tns:DisclosingState>String</tns:DisclosingState>
  <tns:StateDisclosureID>String</tns:StateDisclosureID>
  <tns:HubRequestID>String</tns:HubRequestID>
  <tns:HubDisclosureID>String</tns:HubDisclosureID>
  <tns:HubUsedIdentification>
    <tns:HubIdentificationID>String</tns:HubIdentificationID>
    <tns:HubIdentificationCode>RxCheck</tns:HubIdentificationCode>
    <!-- <tns:HubIdentificationCode>PMPi</tns:HubIdentificationCode> -->
  </tns:HubUsedIdentification>
</tns:RoutingData>
```

```
</tns:MetaData>
```

## 4 Additional Information

### 4.1 Requestor Identification

There are two fields that will allow an organization to pass an identification for the requestor at the individual transaction level. The Requestor IdentificationCategoryCode informs the receiving party of the type of ID. This field can be repeated for each of the following categories:

- DEA
- NPI
- State License
- Other (as defined by the state PDMP)

The IdentificationID is the actual ID value.

### 4.2 Requestor Organization

This is the legal organization to which the requestor belongs, e.g. Baptist Healthcare Inc.

### 4.3 Requestor Facility

This is the location of the requestor within the legal organization, e.g. Baptist Healthcare Lexington

### 4.4 Requestor Facility Identification

In the same way that the Requestor Identification allows a value to be passed that will identify the facility. The Requestor IdentificationCategoryCode informs the receiving party of the type of ID. This field can be repeated for each of the following categories:

- DEA
- NPI
- State License
- Other (as defined by the state PDMP)

The IdentificationID is the actual ID value.

### 4.5 Requestor Role

This field must be populated by the PMIX Standard Healthcare roles as found on the PMIX website.

## 5 Implementation

This standard will replace the existing PMP Prescription Response Exchange schema. The proposed implementation timeline is:

- Available for use: 4/1/2021