

SDWIS State 3.4 Development and Rollout

UPDATED: 11/8/2019

Software Updates

EPA will update the existing SDWIS State and its associated components, as needed, to address known security vulnerabilities to operate successfully with all possible combinations of Java 8, Tomcat 8.5, Windows Server 2012 or 2016 or Linux operating systems, and to provide cross-browser functionality for Internet Explorer, Firefox and Chrome web browsers.

EPA will update the existing source code for the SDWIS State core application and add-on components, using the versions listed below. Note that in some cases the source code we have available is not the latest version of the software.

- SDWIS State (3.3)
- Drinking Water Watch (3.13)
- XML Sampling (3.1)
- Migrate to State (3.1)
- FedRep (3.51)
- Data Bridge (3.1)
- Lab-to-State (3.0)

Any site-specific customizations previously done by Primacy Agencies may need to be re-done with the new, updated application and components.

Testing

EPA will conduct unit testing of all software as it is modified or developed, integration testing to verify that the software works with the various infrastructure components, and basic acceptance testing of the application suite.

After completion of internal unit and system integration testing by EPA and our development team, we will conduct additional user acceptance testing (UAT) with Primacy Agency staff.

UAT will include:

- Submit and process data
- Verify user interface functionality
- Verify business rules are functioning as expected
- Verify application works as expected
- Verify interoperability with the CMDP Data Synchronization Engine (DSE)

Timeframes

August – October 2019: Development of SDWIS State 3.4 core application

October - November 2019:

- Internal Testing (EPA + Development Team)
- Development and internal testing of SDWIS State 3.4 add-on components (see page 1)

November – December 2019:

- UAT with Primacy Agencies for SDWIS State 3.4 core application
- Internal testing and UAT of SDWIS State 3.4 add-on components

Early 2020: Planned release of SDWIS State 3.4 + add-on components (assuming no critical bugs or errors are identified during UAT). EPA will provide user documentation for this release.

Miscellaneous

EPA has received other requests for consideration related to SDWIS State. The list of these requests and our responses have been posted to the ASDWA SDWIS Community User Forum: <https://www.asdwa.org/forums/topic/sdwis-state-issues-to-consider-for-the-update/>

At this time, EPA is not planning to include any functional updates with this SDWIS State 3.4 release. Refer to page 1 of this document for the software updates included in this release.