

CERS EDT Update & XML Schemas 1.05

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This document summarizes the current anticipated schedule for Cal/EPA's CERS EDT implementation efforts and other information related to upcoming CERS EDT implementation. Cal/EPA technical staff continues to strive to implement CERS EDT with as few delays as possible. However, the sum of Cal/EPA's internal resource shortages combined with legitimate delays and procrastination in CERS implementation by regulators and businesses has overwhelmed Cal/EPA's programmer and technical support staff in the past two months, and will continue do so through the first quarter of 2013. Your patience is appreciated.

CERS EDT Testing Efforts	As of January 18 th there are three vendors who have been testing various CERS EDT endpoints in the CERS "Staging" environment over the past few months: Decade Software (for various CUPAs), Accela Inc./Natoma Technologies (for San Diego County), and One Step Systems (for Oakland). These testers have successfully executed over 40,000 requests against these endpoints since testing endpoints became available in June 2012.
EDT XML Schemas	This EDT testing and ongoing work by Cal/EPA technical staff has resulted in identification of various bugs and other issues that required fixes in the CERS user interface and EDT endpoints. Several of these fixes also required modifications to the initial production-ready 1.00 CERS EDT XML Schemas released on April 24, 2012 . During the summer and fall of 2012 several intermediate draft schemas were released to active EDT testers.
New 1.05 XML Schema Release	This update includes release of the updated XML schemas, version 1.05 which includes a log summarizing changes between the 1.00 and 1.05 schemas. The schema release is available at http://cers.calepa.ca.gov/documents/EDT/CERS2EDT-Ver-1dot05.zip The EDT testing endpoints (in the "Staging" environment) will NOT be upgraded to reflect the 1.05 schemas until the evening of Tuesday, January 22nd.
1.05 Endpoints Testing	Cal/EPA would like to implement the version 1.05-based endpoints in production as soon as practical, so testers are asked to implement any necessary changes and test the endpoints they anticipate using in production as soon as practical. Please send any problems, or a statement that your testing was complete/successful, to Chris Allen (chris.allen@calepa.ca.gov) by COB on January 29 th . If there are no significant problems, we will deploy production Phase I endpoints by COB on January 31 st . If user testing uncovers problems, additional delays may occur. Cal/EPA will attempt to avoid any further XML schema changes unless absolutely necessary.
"Phase I" EDT Production Release	The "Phase I" EDT endpoints planned for the late January production launch address the needs of the majority of CUPAs implementing EDT. The "Phase II" endpoints are primarily of use to regulators who will implement local reporting portals. The endpoints are grouped into numbered "tiers" with increasing business process complexity and security required for higher numbered tiers. CUPAs will need to request the specific tiers they

	<p>wish to use.</p> <p>Tier 1: Regulator EDT Library Services</p> <p>The CERS Library Services are a series of endpoints UPAs can use to query the contents of the Unified Program Violation Library, the CERS Chemical Library, and the various data dictionaries in the CERS Data Registry.</p> <p>Tier 2: Regulator EDT Query Services</p> <p>Regulator Facility Submittal Query Allows UPAs to query for a set of Facility Submittal Elements based upon one or more query parameters/filters and returns results in a specified XML format. Used by UPAs to pull facility submittal data entered by businesses into CERS for loading into the regulator’s local data system(s).</p> <p>Regulator Facility Submittal Document Query Allows CUPAs to upload a specific document in a CERS facility submittal based upon the document’s <i>CERSUniqueKey</i> acquired from a <i>Regulator Facility Submittal Query</i>.</p> <p>Regulator Facility Query Endpoint allowing UPAs to query for existing Facilities in CERS based upon one or more query parameters/filters and returns results in a specified XML format. Likely use case is for querying Facilities recently created in CERS.</p> <p>Regulator CME Query Allows UPAs to query for a set of CME data based upon one or more query parameters/filters and returns results in a specified XML format.</p> <p>Tier 3: CUPA EDT CME Submission Services</p> <p>CME Submittal Allows CUPAs to upload one or more new/updated/deleted CME records for facilities the regulator is associated with.</p> <p>Tier 4: CUPA EDT Facility Submittal Review Services</p> <p>Regulator Facility Submittal Action Notification Allows CUPAs to submit (or change) the Submittal Status of a previously submitted Submittal Element in CERS. Likely use case is for CUPAs who are not using CERS to review/manage facility submittals.</p> <p>The two CME (Inspections, Violations, Enforcements) endpoints have had minimal user testing, and may or may not be included in the Phase I release depending upon feedback from the EDT community.</p>
<p>“Phase I” Production Implementation</p>	<p>Since the bulk of EDT implementers will only need the Phase I endpoints, and none of these endpoints can cause significant damage to CERS data that can’t be reversed by regulator use of the endpoint, Cal/EPA will NOT require a written/signed agreement from each CUPA. Instead, all that is required is an email from the CUPA’s administrator or a regulator lead user indicating which tiers of the Phase I endpoints they wish to use and that they agree to the fairly simple usage conditions (see below). This procedural change should hopefully accelerate CUPA implementation of the production endpoints once they become available.</p> <p>In the coming weeks, CUPAs planning to use EDT (or their data vendors) need to establish a CERS Account dedicated for production EDT usage. The account can be created from the</p>

	<p>business or regulator portal sign in pages, and should be named such that its purpose is obvious. This EDT account will need to be added to the CUPA as a regulator user with at least “Viewer” rights.</p> <p>Additionally, the CUPA should establish one or more regulator users who have “EDT Administrator” rights. EDT Administrators are the first people Cal/EPA will contact if EDT issues occur, and would be expected to have sufficient technical knowledge to work through problems and/or quickly determine others who can address issues. For most UPAs their EDT Administrators might solely consist of or include the vendors/consultants who are implementing their EDT services.</p>
<p>Draft “Phase I” Usage Conditions</p>	<p>Cal/EPA will finalize these draft conditions by the end of January.</p> <ol style="list-style-type: none"> 1. UPA will create a CERS Account dedicated solely to EDT usage, and the UPA and its agents will carefully protect this account’s password. 2. UPA will establish and always maintain at least one CERS user with <i>EDT Administrator</i> rights who will be the first contact to CERS technical staff. 3. UPA will make thoughtful use of query parameters to ensure a single request does not download too much data during a specific request (e.g., only request a few hundred submittal elements at a time). 4. When practical, UPA will avoid scheduling EDT transactions during peak hours for the CERS web sites (8am-3pm). 5. UPA understands that CERS EDT Services (and web sites) are not necessarily available 24x7 hours per day as described at http://cers.calepa.ca.gov/policy/availability/ 6. Cal/EPA may immediately suspend an UPA’s EDT services if their transactions are causing an undue burden on CERS servers. The UPA’s EDT Administrator will be contacted to discuss/resolve issues leading toward service resumption. 7. The UPA is responsible for correcting any Submittal Action Notifications or CME data problems they may have created in their EDT transactions via usage of the appropriate EDT endpoints or the CERS Regulator Portal. 8. Cal/EPA may occasionally (with advance notice) change the endpoint URLs used by a specific UPA to help with server load balancing issues. 9. UPA understands any vendor/contractor assisting with EDT implementation has extensive access to most/all of the UPA’s facility submittal data. The UPA is fully responsible for the conduct/actions of such individuals. 10. UPA understands that while they may direct Cal/EPA technical staff to work directly with their vendors/contractors on EDT implementation and problem resolution, the UPA’s management is ultimately responsible for all aspects of their CERS EDT (and web site) activities.
<p>“Phase II” Endpoints Implementation</p>	<p>The “Phase II” endpoints involving adding facilities and uploading facility submittals are not anticipated to be ready until sometime in May 2013. CUPA usage of these endpoints will require a more substantial usage agreement including certifying certain internal business processes to ensure the integrity of facility submittals coming in through their local reporting portal.</p>