

EPOCH Data Management



EPOCH Data Management (DM)

EPOCH DM is CMstat’s software solution for managing all of the data and document deliverables – including CDRLs and SDRLs – associated with government and commercial contracts in high-tech industries such as aerospace and defense, aviation, electronics, marine, transportation, and heavy equipment.

EPOCH DM enables managers in a variety of roles within these industries to automate workflows, transmittals, and other tasks that collect, verify, submit, track, reconcile, and secure the digital content to be delivered to customers and from subcontractors. And to do so in the context of programs, contracts, suppliers, schedules, products, and compliance requirements.

Prior to EPOCH DM, these processes were often an error-prone time-consuming opaque exercise using disparate or orphaned spreadsheets used across the organization and supply chain.

Contract Deliverables Data Management

EPOCH DM is the only instantly usable commercial solution available that focuses exclusively on delivering Contract Deliverables Data Management (CDDM) without the need for software extensions, customizations, and integrations of legacy applications.

In performance-based contracts, the data and documentation deliverables, often specified by DIDs, is as important to deliver on time and completely without errors as the actual product or system. The most

important data deliverables are associated with the Contract Data Requirements List (CDRL) and Subcontract Data Requirements List (SDRL). Programs, contracts, and products delivered to customers that span years if not decades may often have dozens if not hundreds of CDRL and SDRL deliverables over their lifecycle.

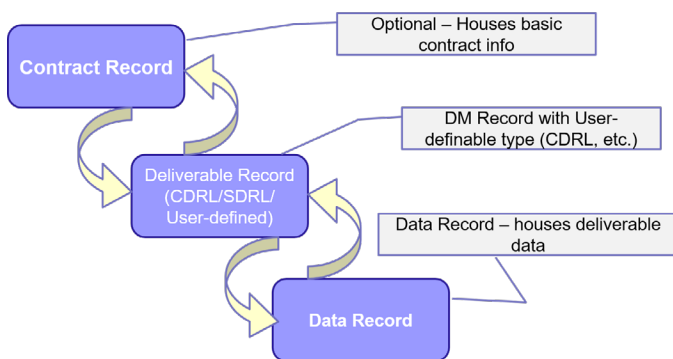
A CDDM solution like EPOCH DM provides the workflow tools to automate, standardize, optimize, and secure all of the many processes used and data produced from numerous organizations and suppliers that may vary by customer and supplier contracts.

This includes managing the use, distribution, and protection of confidential, proprietary, CUI, and ITAR controlled data and goods that is increasingly important in multinational sourcing.



Industry Challenges and Needs

EPOCH DM was developed specifically to address the needs of professionals who have a role in the submittal / receipt process. This includes creating, searching, using, updating, approving, reconciling or submitting deliverables including all of the supporting data records and documentation over the history of a contract. These functions include those working in program or project management, finance, contracts, engineering services, data management, supply chain, procurement, logistics, quality and compliance.



The data types that must be collected and validated originate from many sources and workflows that have historically challenged organizations to manage and standardize, much less automate and optimize. These tasks include:

- Locate and collect data deliverables in different organizations, repositories and formats
- Maintain relationships and retain history of these data deliverables
- Identify and classify then reconcile missing, incomplete, duplicate, incorrect, obsolete and superseded data
- Create and populate customer-specified data and documents such as CDRLs and SDRLs
- Submit and monitor on-line review, revisions, rejections, and approvals

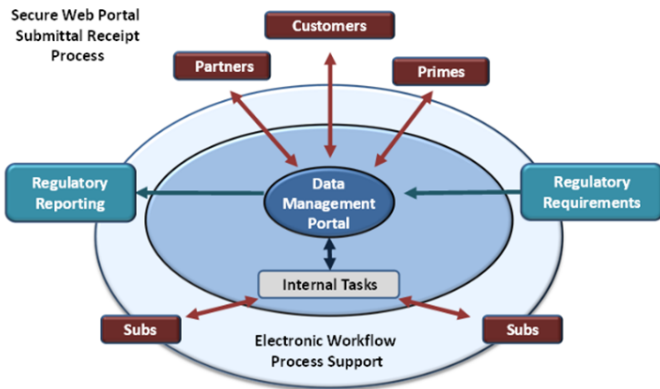
- Track transmittals between contractors and customers and sub-contractors to primes
- Ensure compliance and protection of ITAR, confidential, proprietary, and CUI data
- Verify submittals, corrections, and rejections from contractors and subs
- Provide timely reports to colleagues and management on status of submissions
- Use events-based scheduling for reminders and automate schedule updates.
- Identify decisions taken and isolate work underway that is based on old data
- Perform impact analysis of proposed changes on delivery milestones
- Manage cascading work assignments that are repeated due to use of unavailable, incorrect or obsolete data
- Notify internal users or external customers of schedule changes, cost irregularities, or project delays
- Secure and archive all data delivered to users, sub-contractors, customers, and regulatory bodies

With the explosion in complexity of programs and their products, these requirements are rarely satisfied by general purpose project management, contract management, or product data management software. As a result, more often than not expensive custom developed tools were required.

EPOCH DM Capabilities

EPOCH DM addresses the above industry challenges and user needs through a robust set of functionalities which provide the following capabilities:

- A single application to manage all incoming and outgoing data transactions in the context of each program, contract, site, and project
- Eliminates duplicate records and multiple repositories of program-related data
- Dashboards provide real-time visibility into the status of immediate tasks and work-in-progress



EPOCH DM

Automated Deliverable & Task Management System

- On-demand reporting configured to each organization's preferences
- Easy to access and secure web-based portals that are intuitive for even the occasional user or their manager
- Capture each deliverable's entire data set including status and history of all submittals, receipts, and resubmittals
- Intelligent relational data formats, versus flat files, with a drill-down capability for retrieving history
- Automatic milestone-based delivery scheduling
- Automatic cascading of updates and email notifications of schedule changes
- Role specific and user defined deliverables and document types
- Identify, verify, and release approved data to users, partners, and customers
- Flexible embedded workflows that can be used for simple review routing or complex data gathering and sharing
- Built-in support of industry standards, best practices, and regulatory compliance norms
- Secure data repository and vaulting
- Performance metrics reporting that may be customized for each site or contract
- Designed to conform to industry standards for data management, quality, and security such as EIA 859

Customer Value and Benefits

EPOCH DM is a rapidly deployable, instantly usable, easily connected, and swiftly affordable web-based solution. Its most valuable benefit is improving previously ad-hoc workflows for generating, reporting, verifying, submitting, auditing and archiving all the data required for CDRLs/SDRLs to comply with contract requirements. It does so with much improved visibility and transparency into omissions, inaccuracies, or errors that can delay customer acceptance, slow invoice payments or create legal disputes.

As a result, EPOCH DM empowers program, contract and data managers to improve organizational efficiencies, reduce overhead costs, avoid extraneous undocumented correspondence, minimize errors, reduce duplication and rework, decrease resubmissions, protect proprietary information, meet schedule milestones, avoid delivery delays and penalties, maximize performance incentives, and enhance overall profitability. And it does so by providing metrics to managers for continuous process improvement.

Learn More about CMstat & EPOCH

CMstat is a well-established independent software firm that owes its longevity and reputation due to its hyper-focus on meeting the rigorous configuration management and data management needs of its customers' industries.

EPOCH DM is part of the CMstat EPOCH product portfolio which includes EPOCH CM for Asset Lifecycle Configuration Management (ALCM). EPOCH DM and EPOCH CM share a common architecture, data structure and user interface.

Read more about CDDM and EPOCH DM in this whitepaper [here](#). To learn more about CMstat, EPOCH DM, and EPOCH CM visit <https://cmstat.com>, or contact us at information@cmstat.com and (503) 537-1959.