

CDX Import, Enrich, Convert

Insights

- CDX supports recognized compliance data exchange standards to extend supplier and client communications.
- Cloud analytics, data creation, management and visualization capabilities deliver the compliance declaration functionality needed for successful communication of standard-defined data.
- Seamless integration of compliance declaration content creation and management with secure supplier & customer reporting.
- IPC-175X are examples of standards that are minimum reporting expectation definition.
- Business requires tools and content, standards define the structure.
- CDX goes beyond standards by providing secure, managed data creation, validation, storage, editing with revision control, management, and producing standard based declarations.

DXC CDX: a powerful tool for material compliance & corporate responsibility content creation, visualization, and exchange.

The DXC Compliance Data eXchange (CDX) provides clients with powerful capabilities to manage chemical regulatory compliance and supply chain reporting and data collection. CDX clients enjoy a globally accessible cloud computing compliance ecosystem with robust import and export capabilities using a variety of compliance data exchange protocols. The CDX Software-as-a-Service (SaaS) environment provides secure, managed data creation, validation, storage, editing with revision control, management, and exchange. DXC employs experts in material product regulations, product chemistry and material engineering to improve product compliance. CDX facilitates exchange of supplier declarations and provides the same functionality for external declarations where feasible.

DXC CDX embraces data exchange standards and the value of using appropriate mechanisms for information communication between systems to expand the reach of our clients' supplier and customer communication. Standards define how exchanged data is structured and interpreted, providing a common understanding and framework for collaboration between competitors for our clients' mutual benefit. CDX clients have the opportunity to send and receive declarations from and to external suppliers and clients, in a variety of protocols. The IPC 175x family of standards are good examples: they define the data structure used to exchange declarations between otherwise disconnected parties. Parties need not share a common compliance tool; the standard provides a bridge between disparate platforms.

Data exchange protocols perform computer-to-computer information exchange, and are not intended for humans to interpret directly. Data exchange protocols do not display or manage product data, which is the function of data management systems such as CDX. Exchange protocols provide a common communication medium, permitting solutions to provide value-added services not possible in the standard. Most data exchange standards lack the capability to add functionality such as presenting the data in a human understandable format, securing communication of the underlying product data; and methods to aggregate supplied component data into more complex assemblies. These capabilities and others such as analyzing the product content conveyed by the structure require external systems such as CDX.

CDX works with compliance data import and export in multiple recognized industry XML formats including IPC-1752A, IPC-1754, IPC-1755, IEC-62474, RMI-CMRT and IMDS-AI. CDX converts between those standards, enriching and aggregating data from various sources and allowing companies and their supply chains to establish cross-industry multi-tier data communication without data exposure or transmission. CDX provides comprehensive visualization mechanism to understand, create, and maintain meaningful compliance data for improved business outcome and performance.

REACH OUT

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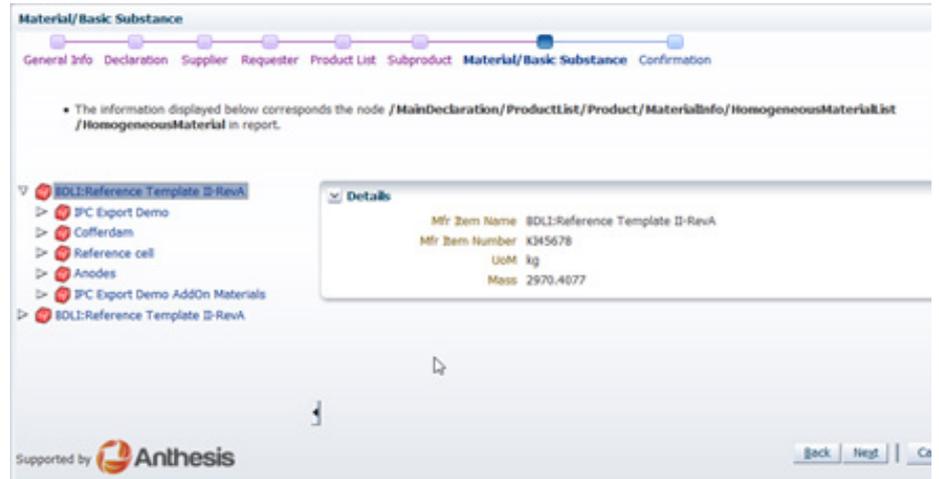
cdx-info@dxc.com

```
<?xml version="1.0" encoding="UTF-8"?>
<MainDeclaration xmlns="http://webstds.ipc.org/1134/1.0">
  <BusinessInfo mode="Request/Reply">
    <Response date="2019-03-29" fieldLock="false">
      <Authorizer name="AI SSI">
        <Email address="marous.schneider@dxc.com"/>
        <Phone number="+4921029480451"/>
      </Authorizer>
      <SupplyCompany name="SSI">
        <CompanyID identity="-" authority="DONS"/>
        <CompanyID identity="118" authority="CDX"/>
      </SupplyCompany>
      <Contact name="AI SSI">
        <Email address="marous.schneider@dxc.com"/>
        <Phone number="+4921029480451"/>
      </Contact>
    </Response>
  </BusinessInfo>
  <Material/Basis...>

```

Figure 1 - from IPC-1752A, Class D

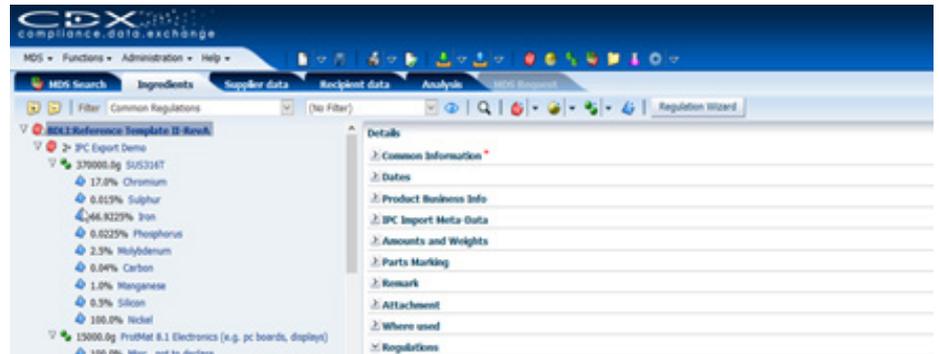
Import IPC-1752A data into CDX via the User interface or Web Services.



The former XML is transformed into the product in human-readable form, ready for compliance evaluation with multiple regulations & substance lists.



Figure 2 - to CDX, enriched and analyzed

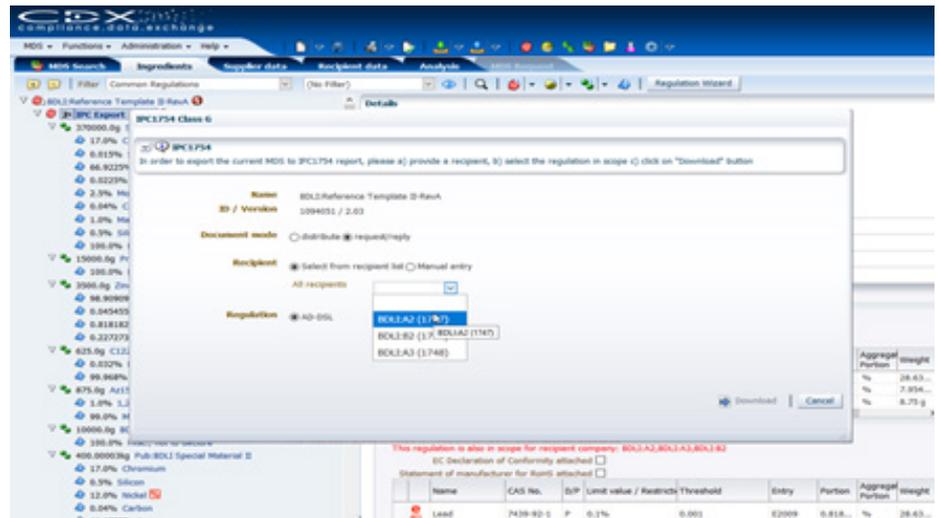


Parallel reality: Assemble supplier products to build your product. Enhance your product with value-added content to make it ready to report, via CDX ...

```
<?xml version="1.0" encoding="UTF-8"?>
<MainDeclaration xmlns="http://webstds.ipc.org/1134/1.0">
  <BusinessInfo mode="Request/Reply">
    <Response responseDate="2019-03-29">
      <AuthorizingCompany name="SSI">
        <CompanyID identity="-" authority="DONS"/>
        <CompanyID identity="118" authority="CDX"/>
      </AuthorizingCompany>
      <Authorizer name="Marous Schneider">
        <Email address="marous.schneider@dxc.com"/>
        <Phone number="+491520163008"/>
      </Authorizer>
      <SupplyCompany name="SSI">
        <CompanyID identity="-" authority="DONS"/>
        <CompanyID identity="118" authority="CDX"/>
      </SupplyCompany>
      <Contact name="Ahmed, Baithan">
        <Email address="baithan.ahmed@dxc.com"/>
        <Phone number="+01272950503"/>
      </Contact>
    </Response>
  </BusinessInfo>
  <Request date="2019-03-29" responseDate="2019-03-29">
    <Contact name="BDL, A2.3">

```

Figure 3 - to IPC-1754, Class G



... or export with specified scope in formats such as IPC-1752 or IPC-1754.

Or integrate CDX with in-house systems using Web Services or standards.

You know your business. We know chemical regulatory compliance. Reach out to our consultants and start a collaboration to provide you with the most mature, refined supply chain reporting in existence.

REACH OUT
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