Key Links:

CDX Homepage
CDX Application

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IPC1752A Materials Declaration Management Standard

IPC1752A is the materials declaration standard for electronic companies to share information on materials in products in the supply chain. The standard reporting format is XML schema based, which allows for more efficient and effective communication of data between supply chain participants and supports reporting of raw materials, components, printed circuit boards (PCBs), sub-assemblies, and products. The focus of IPC1752A standard is on the definition of data fields and data structures within an XML schema. The details of substance lists (RoHS, REACH SVHCs, IEC 62474, JIG-101 Ed. 3.1) and the RoHS exemption catalog are located in the informative appendix of IPC1752A.

In February 2014, a second amendment to IPC1752A was published that provides several enhancements including:

- New Reportable Application field for use with new IEC 62474 Declarable Substances list in Appendix F to align with IEC 62474;

- Clarification on the use of Sub-Product in Class D XMLs to align with IEC 62474;

- Clarification on reporting RoHS Exemptions tied to RoHS Exemption Lists in Class D XMLs; and

- Addition of a new list for ELV exemptions in Appendix B.

IPC1752A standard establishes four classes for declaration of materials that can be used between members of a supply chain relationship:

Class A: Declaration Query / Reply
Class B: Material Group Declaration
Class C: Material Composition Summary Declaration – Product Level
Class D: Material Composition Declaration – Homogeneous Material Level, with JIG-101 (latest revision) list.

For more information please go to: http://www.ipc.org

New HPE's CDX Functionality: Export and Import of IPC1752A Class D

As a supply chain communication tool, HPE CDX now provides the export and import of IPC1752A Class D: Material Composition declaration (Homogeneous Material Level). This new functionality supports users who have requirements to file IPC1752A Class D declarations and simplifies the CDX Material Data Sheets (MDS) creation using existing IPC data.

To use the export or import function a **CDX MDS or CMD license** is required.

1. Export of IPC1752A Class D Declarations in CDX

CDX users will be able to export MDSs to IPC1752A Class D declaration, if the:

- MDS is published or MDS is owned by the user company
- MDS is in view or edit mode.

When the Export has finished you can open or save the created XML file.

2. Import of IPC1752A Class D Declarations in CDX

During the import process the user is guided by a wizard dialogue step by step.

Any MDS imported via our IPC1752 interface (including those received from your supplier) is imported as an own MDS in edit mode so it can be reworked and amended for further processing.

In addition, the MDS Search screen allows the CDX user to search for MDSs that originated as an imported IPC1752A Class D declaration.

Rules for the Import:

The IPC information data for the MDS (e.g. import date etc.) can be viewed in the MDS Detail screen once imported.

After the IPC1752 file is imported, the resulted MDS will be displayed either in the MDS Search window or in the MDS details information, depending on the number of MDS created.

Workflow Management: Using the Inbox & Outbox in CDX, you can forward Material Data Sheets to your customers and suppliers quickly and transparently. You can initiate external MDB requests with the email process.

CDX supports **integration** into your **ERP/PLM system** by **Web Services**.

If you need more information, please contact the CDX Team at cdx-info@hpe.com