

CDX Compliance Data eXchange Assign MDS

Agenda

Topic

What is an MDS

Assign a received MDS

Background - Navigating CDX

The screenshot shows the DXC Technology MDS Search application interface. The top navigation bar includes a Main Menu, a Toolbar, a Change View button, User / Company information, and a Logoff button. The main content area is divided into several sections: a Search Criteria Area on the left with fields for Name, Number, MDS ID, Node ID, and Attachment Type; a central Supplier MDSs section with radio buttons for 'none', 'accepted MDSs', 'Standard MDSs', and 'MDSs provided by customer'; and an Own MDSs section on the right with checkboxes for 'own MDSs', 'last edited by me', and 'imported'. Below these sections is a table with columns for Type, Name, Number, ID / Version, Node ID, Node Count, Supplier, Supplier Code, SCIP Number, and IMDS ID / Version. The table currently displays 'No data to display'. A search button labeled 'Execute Search' is located to the right of the table. A context menu is visible at the bottom right of the table area.

Callouts in the image include:

- Main Menu
- Toolbar
- Change View
- User / Company information
- Logoff
- Search Criteria Area
- Execute Search
- Context Menu
- Results Area

Main Menu/
Toolbar Bar

Search Criteria

Search results

Background - What is an MDS

An MDS contains information about the structure and the composition of a product

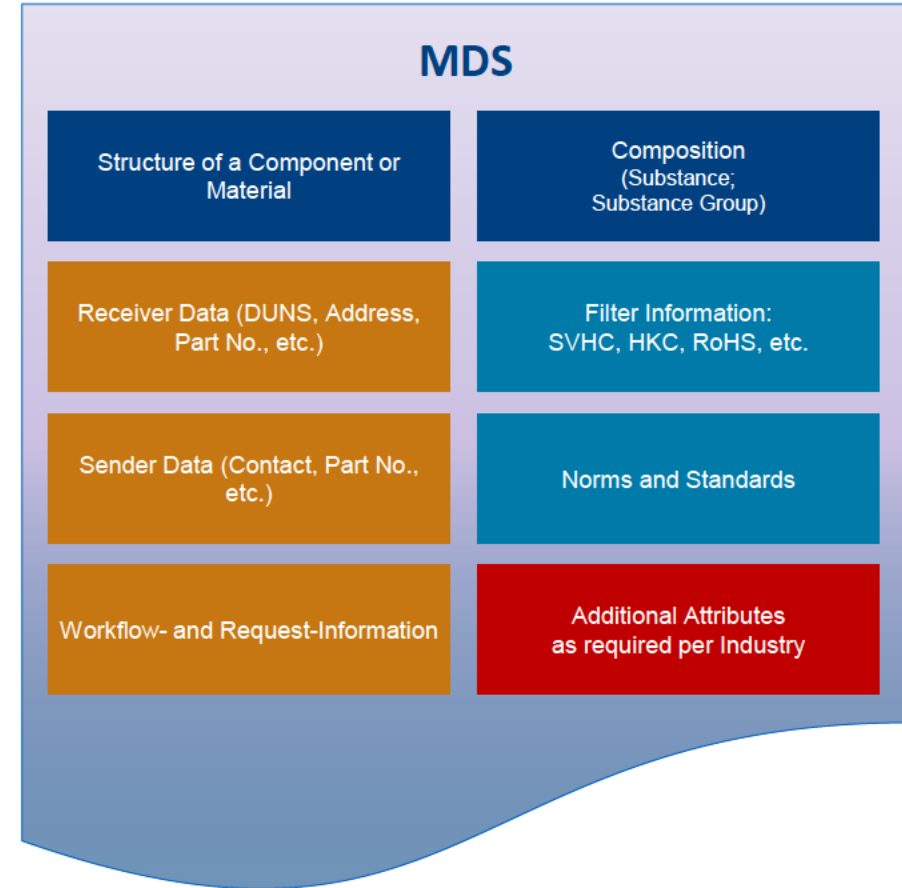
It may be assembled from other MDSs

It contains sender and recipient specific information

Provides capability to analyze based on different requirements

On request further attributes can be defined (e.g. recycling quota).

Each industry defines the rules how to use the MDS (e.g. part or full declaration).



MDS Types

MDS Type	Description	Can be attached to	Can have child nodes	Has weight field
Material 	Represents a homogeneous structure – meaning if you took a vertical slice through the product, you would not see layers (exception being electric/electronic components).	Materials, Semicomponents, Components	Material, Basic Substance	Yes
Semicomponent 	Similar to a Material, it represents a structure that will require further processing before it is assembled and given a final weight. Examples are a steel blank or a coated wire. Usage is by length, by volume, or by area.	Semicomponents, Components	Semicomponent, Material, Basic Substance, Process	Yes
Component 	Used to represent an assembly Component that has a defined weight and is used in whole number quantities. Examples would be an engine block, a seat, etc. The weight of a Component MDS is defined at creation and cannot be reduced in the structure.	Components	Component, Semicomponent, Material, Basic Substance, Process	Yes

MDS Requests – View Inbox

1: MDS Inbox

4: ID / Type / Project filters

5: Date / Status filters

6: Recipient / Requester filters

7: MDS details panel

2: Search icon

3: Request ID in table

Request ID	Request Group ID	Request Group Name	Type	Project	Deadline date	Status	Requester	Recipient Part Number	Supplier Part Number	Sponsored	Name
86366					04/05/2023	received / Overdue	CL Demo 3	12134a1234		false	Test
19561				Demo	10/12/2022	attached / Overdue	CL Demo 3	3141459-01		false	Test
19327					11/12/2022	attached / Overdue	Americas	2134	1234	false	Cotton Part
17796					10/07/2022	received / Overdue	CL Demo 3	1324642346		false	1234
17779					10/06/2022	received / Overdue	CL Demo 3	314159278		false	Test
15967					05/13/2022	attached / Overdue	CL Demo 3	12346236		false	123465 Bolt

Once the Customer has sent the Supplier an MDS request and the Supplier is ready to work on the request, view request(s) in the Inbox and assign (or create) an MDS:

- 1 Click on MDS Request Inbox
- 2 Click on Search; view your incoming MDS request(s)
- 3 Double click the MDS desired to view. This opens the MDS desired to view for you to take with possible actions...

Helpful Hint:

If you would like to 'filter' an MDS request search, you can filter by using:

- 4 ID/Type/Project
- 5 Date/Status
- 6 Recipient/Requester
- 7 MDS

MDS Requests - Answer the Supplier

The screenshot displays the 'MDS Request' interface with the following sections:

- Received MDS Requests** (Tab):
 - Request ID: 141940, Request bulk import ID: -
 - Status: **Overdue**
 - Deadline date: 09/30/2023
 - Request Group: -
 - Supplier: CL Demo 2 [112]
 - Requester Company: -
 - Requester MDS Contact: -
 - Project: 2023_Fall
- Comment**: A large text area for adding comments.
- Attachment**: A table for managing attachments.

Filename	Document Type	Information	Upload Date
No files attached to this MDS Request			
- Recipient data** (Tab):
 - Supplier Code: **Company Supplier Codes** (selected), No Supplier Codes, Admin Supplier Codes, 1234, Demo2, Demo2a.
 - Part material name: CL Demo Request Part
 - Part/Item No.: **Part/Item No.** (selected), CL230814-001
 - Supplier Part/Item No.: **Part/Item No.** (selected), No number assigned
 - Forwarding allowed: ☐
 - Drawing: ☐
 - Drawing No.:
 - Drawing dated: ☐
 - Drawing Change Level: ☐
 - Purchase Order: ☐
 - Purchase Order No.:
 - Bill of Delivery No.:
 - Report: ☐
 - Report No.:
 - Date of Report: mm/dd/yyyy
- MDS** (Tab):
 - Type: **Component** (selected)
 - 100% declaration: ☒
 - SCIP Compliance: ☐
 - Attachment required: ☐
 - Measured Weight per Item: ☐
 - Parts Marking: ☐
 - Specific weight: ☐
 - Symbol: ☐
 - Standard Material No.:
 - Basic Substance group/list:
 - Regulation**:
 - Confirmation required: ☐
 - Product Not Affected allowed: ☒
 - Query list/s questions answering required: ☒
 - Common**:
 - ☐ TestGADSL
 - ☐ EU POP Regulation Test
 - ☒ REACH Candidate List
 - ☐ RK_Test_2
 - Company specific**:
 - ☐ demo
 - ☐ Cobalt
 - ☐ Demo
 - ☒ Asbestos

At the bottom right, there are three buttons: **Reject**, **Assign MDS** (highlighted with a blue speech bubble labeled '1: Assign MDS'), and **Create MDS**.

After double clicking and opening an MDS Request, you can see on the lower right the various actions: Reject (MDS), **Assign MDS** (an existing MDS may be Assigned, or a new MDS can be Created and Assigned) or Create MDS. Click on **1 Assign MDS...**

MDS Requests - Answer the Supplier

The screenshot shows the 'CDX - Compliance Data Exchange' window. It has several tabs: 'Name, ID', 'Identifier', 'Date', and 'SCIP'. The 'Name, ID' tab is active, showing fields for 'Name', 'Part/Item No.', 'MDS ID' (with a 'current' dropdown), 'Node ID', and 'Attachment Type'. To the right, there are two main sections: 'Supplier MDSs' and 'Own MDSs'. The 'Supplier MDSs' section has radio buttons for 'none', 'accepted MDSs', and 'Standard MDSs', and a table with columns 'Supplier' and 'Company / Org ID'. The 'Own MDSs' section has checkboxes for 'own MDSs', 'last edited by me', and 'imported', and dropdowns for 'Assigned Org Unit' and 'Assigned Contact'. At the bottom right, a blue circle with the number '1' highlights the 'Search' button. Below the search bar is a table with columns: 'Type', 'Name', 'Part/Item No.', 'ID / Version', 'Node ID', 'Node Count', 'Supplier', 'Supplier Code', 'SCIP Number', and 'IMI'. The table currently shows 'No data to display'. At the bottom right of the window, there are buttons for 'Apply', 'Apply all', and 'Cancel', along with a 'Total MDS found 0' indicator.

You will receive a 'pop up' message to Assign the MDS:

- 1 Click on 'Search' to view your MDS (you will see a list of Part Names and Part/Item Numbers appear).....

MDS Requests - Answer the Supplier – Assign own MDS

MDS Request

Request ID: 8297 Request bulk import ID: -
Status: Overdue
Deadline date: 01/23/2019

Recipient data

Supplier Code: Company Supplier Codes
No Supplier Codes
Admin Supplier Codes

MDS

Type: Component
100% declaration ☐

CDX - Compliance Data Exchange

Name, ID **Identifier** **Date** **SCIP**

Name, Part/Item No., ID

Name: Lancet
Part/Item No.:
MDS ID: current
Node ID:
Attachment Type:

Supplier MDSs

☒ none ☐ accepted MDSs ☐ Standard MDSs

Supplier: No supplier to display

Own MDSs

☒ own MDSs
☐ last edited by me
☐ imported

Assigned Org Unit:
Assigned Contact:

1 Search

View Menu Export

Type	Name	Part/Item No.	ID / Version	Node ID	Node Count	Supplier	Supplier Code	SCIP Number	IMI
	Lancet	CL190904-050	1098451 / 1	1098451	3	CL Demo 2	1234 [...]	-	
	Lancet 30 gage		1098460 / 1	1098460	29	CL Demo 2	Demo2 [...]	-	
	Lancet cover		1098459 / 1	1098459	6	CL Demo 2		-	
	Lancet Grip 30 gage	CL190904-030	1098457 / 1	1098457	6	CL Demo 2		-	
	Lancet Wire 30 gage		1098455 / 1	1098455	14	CL Demo 2		-	

Menu Total MDS found 5

Apply Apply all Cancel

Next, ensure to Assign the MDS:

- 1 From the MDS list, click on your selected MDS (i.e., Name and Part/Item No.) to assign
- 2 Click 'Apply'...

MDS Requests - Answer the Supplier – Assign own MDS

The screenshot displays the 'MDS Request' interface with several tabs: 'Received MDS Requests', 'Ingredients +', 'Supplier data', 'Recipient data', 'Analysis', and 'MDS Request *'. The 'MDS Request' tab is active, showing fields for Request ID (8297), Request bulk import ID, Status (Overdue), Deadline date (01/23/2019), Request Group, Supplier (CL Demo 2 [112]), Requester Company (CL Demo 3 [113]), Requester MDS Contact, and Project. A 'Comment' section is visible below these fields. The 'Attachment' section shows a table with columns 'Filename', 'Document Type', 'Information', and 'U', and a message 'No files attached to this MDS Request'. The 'Recipient data' section includes fields for Supplier Code, Company Supplier Codes, Admin Supplier Codes, Part material name, Part/Item No., and Supplier Part/Item No. The 'MDS' section includes a 'Type' dropdown (set to 'Component'), checkboxes for '100% declaration', 'SCIP Compliance', 'Attachment required', 'Measured Weight per Item', 'Parts Marking', 'Specific weight', 'Symbol', 'Standard Material No.', and 'Regulation and Basic Substance group/list'. The 'Regulation' section includes checkboxes for 'Confirmation required', 'Product Not Affected allowed', and 'Query list/s questions answering required'. The 'Common' section includes checkboxes for 'TestGADSL', 'EU POP Regulation', and 'RF&CH Candidate'. The 'Company specific' section includes checkboxes for 'demo', 'cobalt', and 'Demo'. A pop-up message titled 'CDX - Compliance Data Exchange' is displayed in the center, with the text 'Information' and 'The MDS has been assigned to this request.' The message has a blue circle with the number '1' next to it. A blue circle with the number '2' and a green checkmark is next to the 'OK' button.

The following message pop up appears:

- 1 “The MDS has been assigned to this request.”
- 2 Click ‘Ok’

MDS Requests – Customer data

Received MDS Requests | Ingredients * | **Supplier data** | Recipient data | Analysis | MDS Request *

Name: Lancet cover 30 gage | ID / Version: 1098459 / 1 | Node ID: 1098459 | Status: Internally released

Release internally | Send | Propose | Publish

CL Demo 3 [113] edit mode (02/19/2025)

Details

Transfer Information

Company: CL Demo 3 [113]
Organisation unit: -
Recipient status: edit mode
Automatically accepted: ☐
Name: Demo*
Additional Names: + -

Supplier Codes

Company Supplier Codes: No data to display
Admin Supplier Codes: No Admin Supplier Codes

Part/Item No. Choose File No file chosen
Part/Item No.: 123

Additional Identifiers

Identifier Type	Identifier Value
-	-

Forwarding allowed: ☐
MDS Revision:
Brand:
Type:
Model:

> Communication Information
> Additional Information
> Company specific

- 1 Next, click on the 'Recipient data' tab. You will see the client-specific data to be shared with the recipient

MDS Requests – Supplier – Customer data

Received MDS Requests | Ingredients * | Supplier data | Recipient data | Analysis | MDS Request *

Name: Lancet ID / Version: 1098451 / 0.01 Node ID: 1098451 Status: Edit mode

Release internally | Send | Propose | Publish

CL Demo 3 [113] edit mode (02/13/2025)

1 Transfer Information

Company: CL Demo 3 [113]
Organisation unit: -
Recipient status: edit mode
Automatically accepted: ☐
Name: CL Demo Request Part*
Additional Names:
Supplier Codes:
Company Supplier Codes: No data to display
Admin Supplier Codes: 1234, Demo2, Demo2a
Part/Item No.: Choose File No file chosen
Part/Item No.: CL230814-001
Additional Identifiers:

Identifier Type	Identifier Value
-	-

Forwarding allowed: ☐
MDS Revision:
Brand:
Type:
Model:

2 Communication Information

3 Additional Information

4 Show Request Details

5 Company specific

Xinjiang Uyghur Autonomous Region Query List

- 1 On the 'Recipient data' tab, for each recipient, a recipient specific set of meta-data will be created
- 2 Additional recipients /requests can be associated with an MDS any time
- 3 Associated requests will be activated and shown using 'Show Request Details'

MDS Requests – Propose an MDS

The screenshot illustrates the 'Propose' workflow in the MDS software. The interface includes a top menu bar with 'MDS', 'Functions', 'Administration', and 'Help'. Below the menu is a toolbar with icons for various actions. The main workspace is divided into several tabs: 'Received MDS Requests', 'Ingredients', 'Supplier data', 'Recipient data', 'Analysis', and 'MDS Request'. The 'MDS Request' tab is active, showing a list of requests. A 'CDX - Compliance Data Exchange' dialog box is open, displaying 'Check results' and a 'Propose' button. A 'Details' panel on the right shows fields for 'Transfer Information', 'Supplier Codes', 'Part/Item No.', 'Additional Identifiers', and 'Forwarding allowed'. A status bar at the bottom shows 'Check results - 0 Error(s) / 0 Information'.

1 After check and mitigation of errors, the MDS can now be proposed to recipients

2 Click on 'Propose'

3 A pop up will ask if desired to continue... click 'Propose'

MDS Requests – View Outbox (After MDS Send)

The screenshot shows the 'MDS Request' window in the CDX system. A callout '1: MDS outbox' points to the 'MDS' menu item. The 'General Data' section (2) contains fields for Name, Internal number, External number, MDS ID, Node ID, and Attachment Type. The 'Status' section (3) has filters for 'all', 'open MDSs', and 'none', and a list of status options: 'not yet browsed', 'browsed', 'accepted', 'rejected', 'modified', 'cancelled by sender', 'deactivated by recipient', and 'only forwarded'. The 'Recipient / Supplier' section (4) includes an 'Org Unit' dropdown, a checkbox for 'Enable search by recipient' (5), and a table for 'Recipient' with columns 'Company / Org ID' and 'MDS Request'. The table has a search bar and a checkbox for 'Include all Org Units'. The bottom section (6) is a table with columns: Type, Name, ID / Version, Node ID, Node Count, Internal number, transmitted, to comp. (Org Unit) [Company ID], External number, Status, last status changed, Reason for denial, and Supplier Code. The table contains one row for 'CL Demo Request Part'. A callout '7' points to the 'Status' column, and a callout '8' points to the 'Reason for denial' column. A callout '9' points to the 'Export' button.

Type	Name	ID / Version	Node ID	Node Count	Internal number	transmitted	to comp. (Org Unit) [Company ID]	External number	Status	last status changed	Reason for denial	Supplier Code
CL Demo Request Part	CL Demo Request Part	1098451 / 1	1098451	3	CL190904-050	2/13/2025	CL Demo 3 [113]	CL230814-001	not yet browsed	2/13/2025		1234 [...]

The MDS outbox 1 contains a list of MDSs sent to customers 6. The list can be filtered 2 4 including filter by customer 5. Status and status date are displayed 7. If the customer rejected, at least parts of the reason for denial 8 are listed as well. As with most lists in CDX, they can be exported to Excel 9

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