



TECHNOLOGY TRANSITIONS REPORTING WEBINAR

December 17, 2025

Webinar Technical Overview

Call-in Details

- 1-206-800-4483
- ID: 368 733 371#

Question and Answer (Q&A) Session

- Participants are muted
- Questions will be moderated at the end
- To ask a question, enter it into the chat box

Webinar Materials

Recording and Slides

- The presentation is being recorded
- Materials from this webinar will be posted on the EPA's Reducing Hydrofluorocarbons (HFCs) Public Meetings web page: [Public Meetings](#)

Webinar Goals

- Provide context and background on Technology Transitions reporting requirements.
- Provide step-by-step instruction on how to register for reporting.
 - Reporters are encouraged to register and report early.
 - Registration is available.
- Provide information on how to use EPA's reporting platform (HAWK).
- Provide the reporting form to reporters.
 - The reporting form and additional information on reporting are available at the [Technology Transitions Reporting webpage](#).
- Ensure reporters know where to get more information and ask questions.
 - For questions, please contact HFCTransitions@epa.gov.

Agenda

- Technology Transitions Program
- Registering for the HAWK Reporting System
- Completing the Technology Transitions Excel Report
- Creating & Uploading a Technology Transitions Report
- Viewing Submitted Reports and Documents
- Resubmitting a Report
- Getting Additional Help

Technology Transitions Program

Information about Technology Transitions Regulatory Requirements

Overview of Subsection (i) – Technology Transitions

- Subsection (i) of the American Innovation and Manufacturing (AIM) Act authorizes EPA to restrict HFC uses.
- Final Rule Published October 24, 2023, [88 FR 73098](#).
 - Covers the refrigeration air conditioning and heat pump (RACHP), foams, and aerosol sectors.
 - Requires annual reporting.

*Note: There is a proposal to reconsider portions of this rule. Reporting requirements are not impacted by this reconsideration.



Reporting Requirements

- Manufacturers and importers must report annually:
 - Subsector, HFC or HFC blend used, quantity manufactured, imported, and exported.
 - First reports are due **March 31, 2026**, for calendar year 2025 data.
 - Reporting is required for all subsectors.
- Equipment or products that do not contain HFCs and are not intended for use with HFCs do **NOT** need to report.
 - e.g. Refrigerators or aerosol sprays that use hydrocarbons do **NOT** need to report.

Who Must Report?

- The entity responsible for manufacturing or importing the covered product or specified component in the United States.
 - Manufacturers
 - Manufacture means to complete the manufacturing and assembly processes of a product or specified component such that it is ready for initial sale, distribution, or operation.
 - Manufacture occurs in the United States and does not refer to foreign manufacture.
 - Importers
 - An importer is any person who imports any product or specified component using or intended for use with a regulated substance into the United States. Importer includes the person primarily liable for the payment of any duties on the merchandise or an authorized agent acting on his or her behalf. The term also includes:
 - (1) The consignee;
 - (2) The importer of record;
 - (3) The actual owner; or
 - (4) The transferee, if the right to withdraw merchandise from a bonded warehouse has been transferred.

Reporting Platform Overview

- EPA Central Data Exchange (CDX)
 - The EPA's electronic reporting site.
 - A central secure website where companies/entities/people can report information and data to EPA.
 - All users from one company should create accounts under only one CDX Organization, even if they submit reports under multiple reporting programs.
 - One company can register as many users to their CDX Organization as needed.
- HAWK
 - The platform for reporting requirements under the AIM Act and Title VI of the CAA.
 - Accessed by registering for the “Hydrofluorocarbon and Ozone Depleting Substances Reporting” (HFC-ODS-R) Program Service in CDX.
- Technology Transitions Report
 - A spreadsheet that is uploaded to HAWK to comply with the Technology Transitions Provisions of the AIM Act.

Reporting Steps Overview



Registering for HAWK

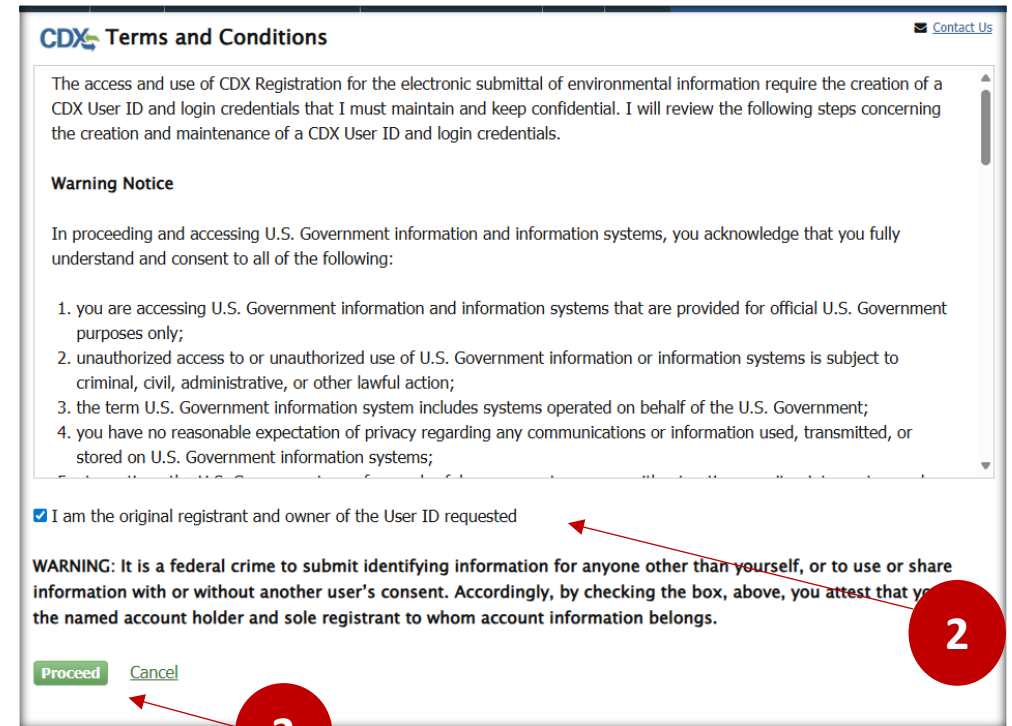
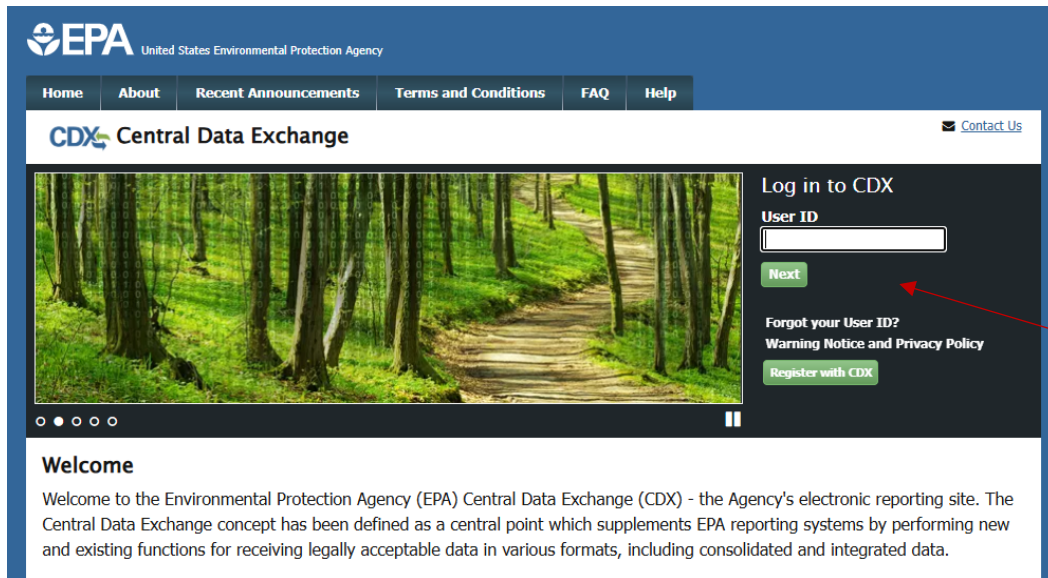
Step-by-Step guide to Register in CDX to access HAWK

Registration Overview

- Registration for HFC-ODS-R program service (HAWK) is available now.
- Register for or log into CDX and select the HFC-ODS-R Program Service.
 - [New CDX Users](#) must first register for CDX using a multistep process:
 - Create a CDX Account;
 - Create a Login.gov Account;
 - Request Access;
 - Complete the LexisNexis Confirmation and sign the electronic signature agreement (ESA);
 - Receive Access.
 - [Existing CDX Users](#) must request access to the HFC-ODS-R Program Service in CDX.

Registering for HAWK in CDX – New CDX User

1. Go to <https://cdx.epa.gov/> to login or register.
2. Read and Accept the Terms and Conditions.
3. Click “Proceed” button.



Registering for HAWK in CDX – New CDX User

1. Select HFC-ODS-R Program Service.
2. Select Role (Company Representative).
3. Click “Request Role Access” Button.

CDX Core CDX Registration

1. Program Service 2. Role Access 3. Identity Credentials 4. User and Organization

Begin typing a program service name or related keywords to filter the list of available services (e.g., air quality system, AQS, or Clean Air Act).

Active Program Services List

hfc

HFC-ODS-R: Hydrofluorocarbon and Ozone Depleting Substances Reporting

Cancel

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CDX Core CDX Registration

1. Program Service 2. Role Access 3. Identity Credentials

Registration Information

Program Service	Hydrofluorocarbon and Ozone Depleting Substances Reporting
Role	Not selected

Select a role from the drop down list and provide any required additional information, if a

Select Role

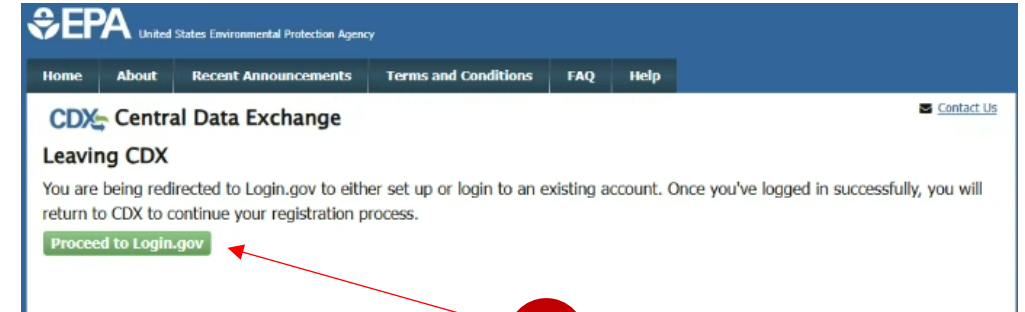
Request Role Access

Company Representative

Leak Reporter

Registering for HAWK in CDX – New CDX User

1. Create a CDX User ID.
2. CDX will redirect you to Login.gov.
3. Create (or sign into) Login.gov account.



This screenshot shows the 'Core CDX Registration' form, specifically the 'Part 1: User Information' section. The progress bar indicates the user is at step 1 of 4. A red arrow points from a red circle with the number '1' to the 'User Id *' input field.

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CDX Core CDX Registration

1. Program Service ✓ 2. Role Access ✓ 3. Identity Credentials 4. User and Organization

Please fill out all required fields marked with an asterisk(*)

Part 1: User Information

User Id *

Email Address: *

Continue Registration Cancel

This screenshot shows the LOGIN.GOV sign-in page. A red arrow points from a red circle with the number '3' to the 'Sign in for existing users' section.

LOGIN.GOV

Sign in Create an account

Sign in for existing users

Email address

Password

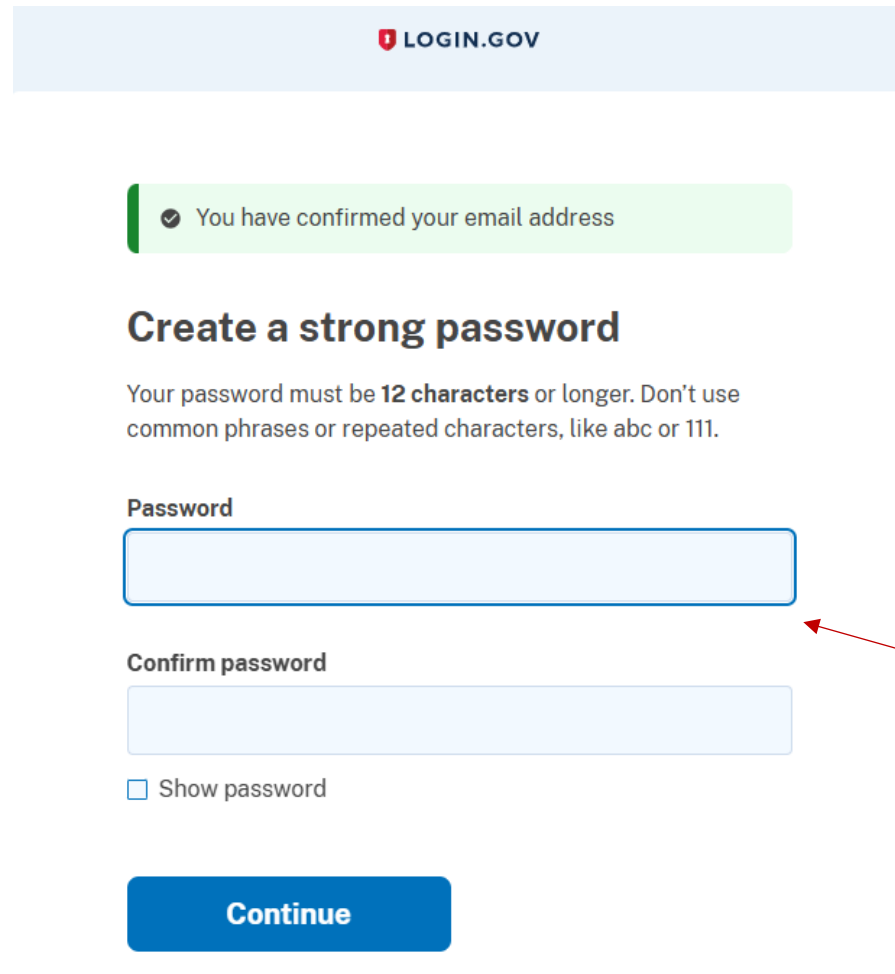
☐ Show password

Submit

[Sign in with your government employee ID](#)

Registering for HAWK in CDX – New CDX User

1. To create a Login.gov account, create a password.
2. Select an Authentication method.



LOGIN.GOV

✓ You have confirmed your email address

Create a strong password

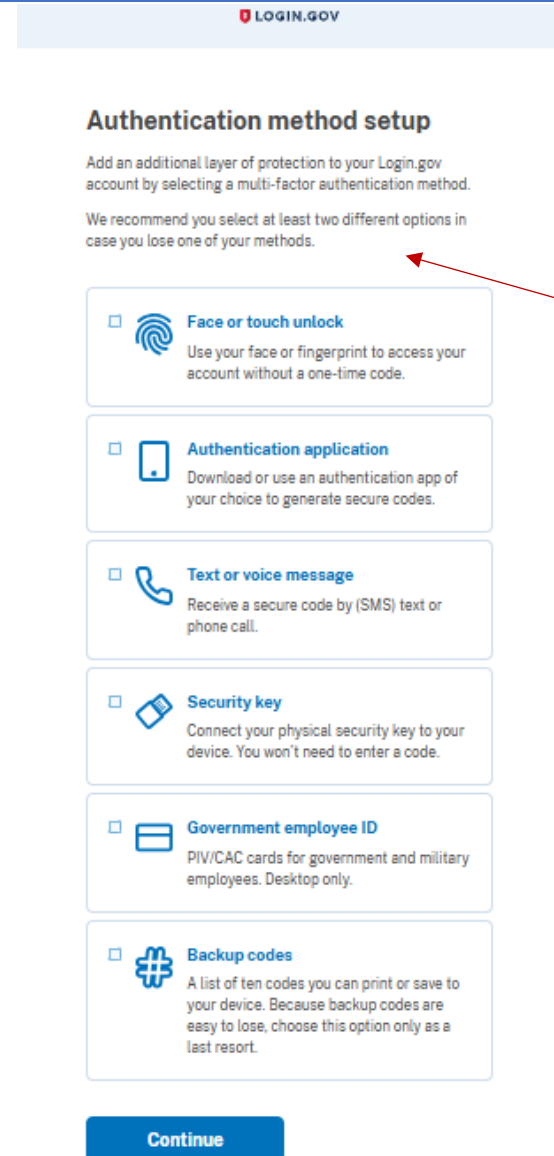
Your password must be **12 characters** or longer. Don't use common phrases or repeated characters, like abc or 111.

Password

Confirm password

☐ Show password

Continue



LOGIN.GOV

Authentication method setup

Add an additional layer of protection to your Login.gov account by selecting a multi-factor authentication method.

We recommend you select at least two different options in case you lose one of your methods.

- ☐ **Face or touch unlock**
Use your face or fingerprint to access your account without a one-time code.
- ☐ **Authentication application**
Download or use an authentication app of your choice to generate secure codes.
- ☐ **Text or voice message**
Receive a secure code by (SMS) text or phone call.
- ☐ **Security key**
Connect your physical security key to your device. You won't need to enter a code.
- ☐ **Government employee ID**
PIV/CAC cards for government and military employees. Desktop only.
- ☐ **Backup codes**
A list of ten codes you can print or save to your device. Because backup codes are easy to lose, choose this option only as a last resort.

Continue

Registering for HAWK in CDX – New CDX User

1. After Login.gov account created (or signed into), return to CDX.
2. Enter User Information.
3. Select and Answer Security Questions.

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CDX Core CDX Registration

Contact Us
Logged in as DEBBIE20250826 (Log out)

1. Program Service ✓ 2. Role Access ✓ 3. Identity Credentials ✓ 4. User and Organization

Registration Information

Program Service	Hydrofluorocarbon and Ozone Depleting Substances Reporting
Role	Company Representative

Please fill out all required fields marked with an asterisk(*)

Part 1: User Information

The program you are registering for requires additional proof of identity. Later in the registration process you will be given the option to use LexisNexis, an identity proofing service. LexisNexis will pull your first, middle and last name exactly as it is entered on this page.

User ID * DEBBIE20250826

Title * -Please Select-

First Name *

Middle Initial

Last Name *

Suffix -Please Select-

Security Question 1 * -Please Select- ▼

Security Answer 1 *

Security Question 2 * -Please Select- ▼

Registering for HAWK in CDX – New CDX User

1. Search for Current Organization.
2. Select correct result Organization ID and save for records.
3. If Organization ID not listed, select “Can’t find your organization?” links.
4. Enter Phone Number.
5. Click “Submit Request for Access” button.

The screenshot displays two parts of a web form. The top part, titled 'Part 2: Organization Info', shows a search interface where 'Happy Corp' is entered in a text box, and a 'Search' button is highlighted with a red circle and arrow labeled '1'. Below the search box is a table with columns: Organization ID, Organization Name, Address, City, State, and ZIP Code. The first row shows '49773' in the Organization ID column, 'Happy Corp#2' in the Organization Name column, '123 Main St.' in the Address column, 'Washington' in the City column, 'DC' in the State column, and '20871' in the ZIP Code column. The '49773' is circled in red, with a red circle and arrow labeled '2' pointing to it. Below the table, there is a link 'Can't find your organization? Use advanced search or request that we add your organization.' with a red circle and arrow labeled '3' pointing to it. The bottom part of the form, also titled 'Part 2: Organization Info', shows the details for 'Happy Corp#2' with the address '123 Main St., Washington, DC, US 20871'. Below this, there are fields for 'Email *' (filled with 'cj.test4@yahoo.com'), 'Phone Number *' (empty), 'Phone Number Ext' (empty), and 'Fax Number' (empty). The 'Phone Number *' field is highlighted with a red circle and arrow labeled '4'. At the bottom of this section, there is a link 'Wrong organization information? Back to Search Results, Use advanced search or request that we add your organization.' and a 'Submit Request for Access' button, which is highlighted with a red circle and arrow labeled '5'.

Part 2: Organization Info

Happy Corp

Enter organization or organization ID

Organization ID	Organization Name	Address	City	State	ZIP Code
49773	Happy Corp#2	123 Main St.	Washington	DC	20871

Can't find your organization? [Use advanced search](#) or [request that we add your organization](#).

Part 2: Organization Info

Happy Corp#2
123 Main St.
Washington, DC, US
20871

Email *

Phone Number *

Phone Number Ext

Fax Number

Wrong organization information? [Back to Search Results](#), [Use advanced search](#) or [request that we add your organization](#).

Registering for HAWK in CDX – New CDX User

1. Check registered email for validation code from helpdesk@epacdx.net and enter that code.
2. Click “Create Account” button.

The screenshot displays the EPA CDX Confirmation page. At the top, the EPA logo and "United States Environmental Protection Agency" are visible. A navigation bar includes links for Home, About, Recent Announcements, Terms and Conditions, FAQ, and Help. The main heading is "CDX Confirmation". On the right, there is a "Contact Us" link and a status bar indicating "Logged in as DEBBIE20250826" with a "Log out" link. A progress bar shows four steps: 1. Program Service ✓, 2. Role Access ✓, 3. Identity Credentials ✓, and 4. User and Organization ✓. Below this, a message states: "A few more steps... You will soon receive an email confirmation message at [cj.test4@yahoo.com] with a validation code. Enter the validation code below or follow the link provided in the email to activate your user account." A link for "Resend validation code" is provided. The "User ID" is listed as "DEBBIE20250826". The "Code:" field is an empty text box. At the bottom, there are two buttons: "Create Account" and "Return to CDX Home". Two red arrows with circular numbers point to these buttons: arrow 1 points to the "Create Account" button, and arrow 2 points to the "Return to CDX Home" button.

Registering for HAWK in CDX – New CDX User

1. Complete LexisNexis validation form.
2. Select “Proceed with Verification” button to continue.
3. If there are issues with LexisNexis, follow onscreen instructions and let us know at hfctransitions@epa.gov.

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CDX CDX Registration: LexisNexis [Contact Us](#)
Logged in as DEBBIE20250826 ([Log out](#))

1. Identity Verification 2. ESA

The program you are registering for requires additional proof of identity. Identity verification allows the EPA to confirm applicants have provided sufficient identity information in order to conduct business safely and securely. Your options are to use the electronic identity proofing service for immediate access to your program service or to print and submit a signed form through U.S. Postal Mail to the U.S. Environmental Protection Agency. **Note:** [Additional LexisNexis® Information](#)

LexisNexis® Instant ID

Legal Name
debbie M smith

Home Address
Address Line 1*
Address Line 2
City* State* Zip Code*

Home or Personal Phone
Home or Personal Phone

Date of Birth
Month* Day* Year*

Last 4 of SSN
Last 4 of SSN* ☐ Show SSN

☐ The name above is me. Please proceed with LexisNexis® Validation.

[Proceed with Verification](#) [Paper Verification](#) [Exit](#)

Registering for HAWK in CDX – New CDX User

1. Sign Electronic Signature Agreement (ESA) by clicking “Sign Electronically” button.

**U.S. Environmental Protection Agency
ELECTRONIC SIGNATURE AGREEMENT**

In accepting the electronic signature credential issued by the U.S. Environmental Protection Agency (EPA) to sign electronic documents submitted to EPA's Central Data Exchange (CDX), and as a representative for:

Electronic Signature Holder Company Information

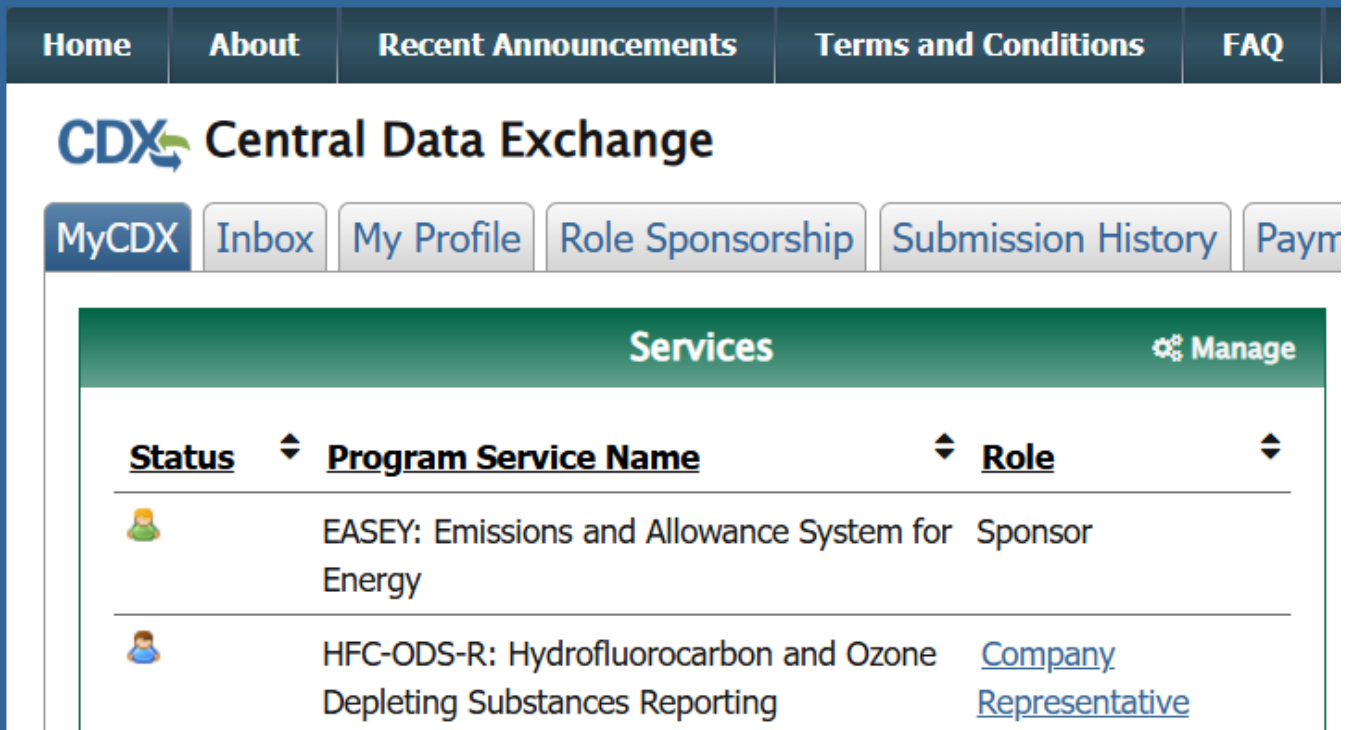
Organization Name:	Happy Corp#2
Address:	123 Main St.
City, State, Zip:	Washington, DC 20871
Province:	
Country:	US
Phone Number:	(901) 999-9999
E-mail Address:	cj.test4@yahoo.com
Registrant's Name:	Mrs debbie smith
CDX User Name:	DEBBIE20250826

Sign Electronically



1

Registering for HAWK in CDX – New CDX User

1. Once EPA approves your request, you will receive an email notification from helpdesk@epacdx.net.
2. Log into the HFC-ODS-R Program Service using the active link in CDX.

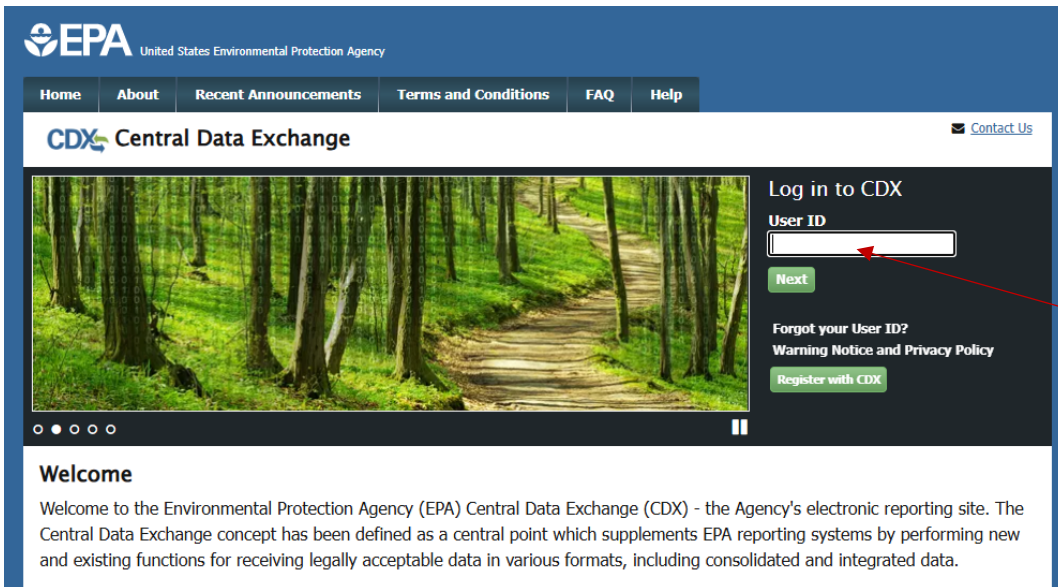


The screenshot shows the CDX Central Data Exchange user interface. At the top is a navigation bar with links: Home, About, Recent Announcements, Terms and Conditions, and FAQ. Below this is the CDX logo and the text "Central Data Exchange". A secondary navigation bar contains links: MyCDX, Inbox, My Profile, Role Sponsorship, Submission History, and Paym. The main content area features a "Services" table with a "Manage" icon. The table has columns for Status, Program Service Name, and Role. Two services are listed: "EASEY: Emissions and Allowance System for Energy" with a role of "Sponsor", and "HFC-ODS-R: Hydrofluorocarbon and Ozone Depleting Substances Reporting" with a role of "Company Representative". A red arrow points from a red circle with the number "1" to the "Company Representative" link in the second row.

Status	Program Service Name	Role
	EASEY: Emissions and Allowance System for Energy	Sponsor
	HFC-ODS-R: Hydrofluorocarbon and Ozone Depleting Substances Reporting	Company Representative

Request HAWK Access – Existing CDX Account

1. Log into CDX.
2. Select “Add Program Service” button.



EPA United States Environmental Protection Agency

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CDX Central Data Exchange [Contact Us](#)

Log in to CDX

User ID

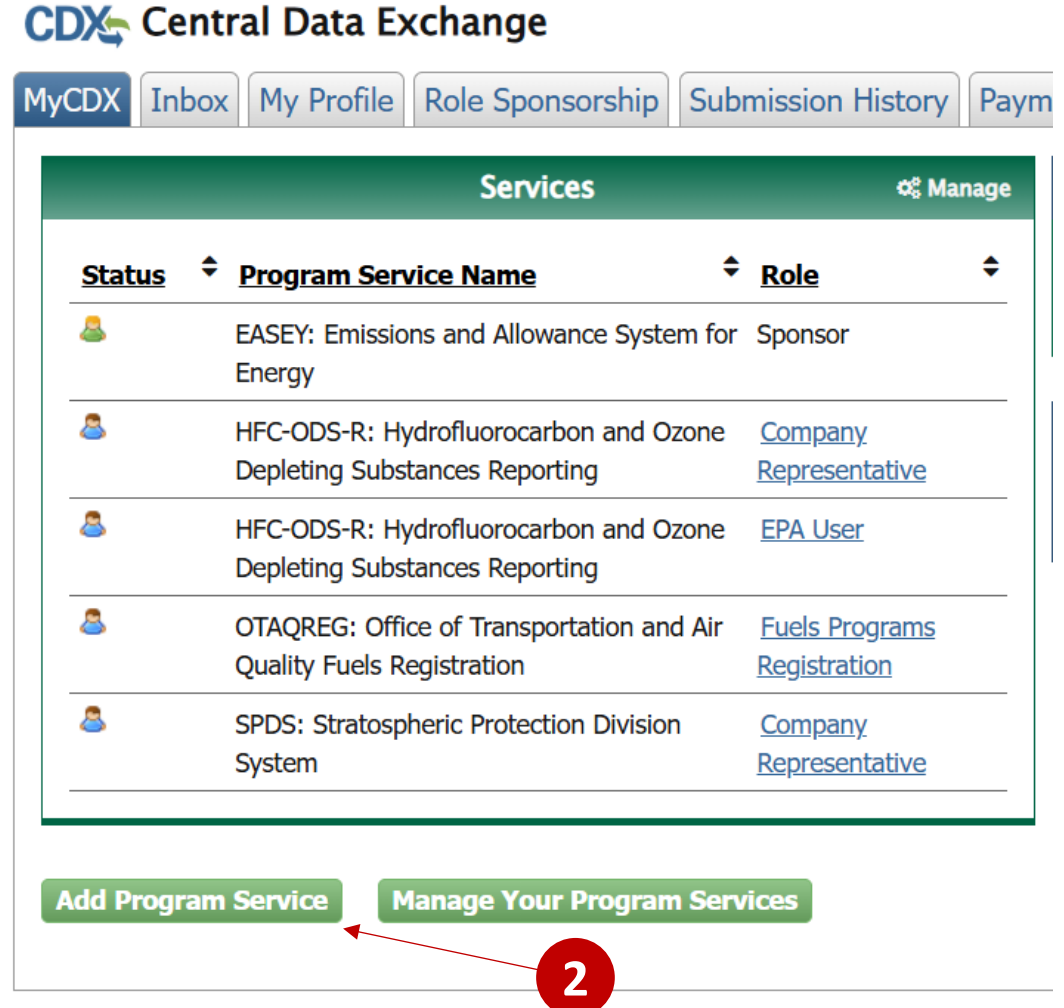
Next

Forgot your User ID?
Warning Notice and Privacy Policy

Register with CDX

Welcome

Welcome to the Environmental Protection Agency (EPA) Central Data Exchange (CDX) - the Agency's electronic reporting site. The Central Data Exchange concept has been defined as a central point which supplements EPA reporting systems by performing new and existing functions for receiving legally acceptable data in various formats, including consolidated and integrated data.



CDX Central Data Exchange

MyCDX Inbox My Profile Role Sponsorship Submission History Paym

Services [Manage](#)

Status	Program Service Name	Role
	EASEY: Emissions and Allowance System for Energy	Sponsor
	HFC-ODS-R: Hydrofluorocarbon and Ozone Depleting Substances Reporting	Company Representative
	HFC-ODS-R: Hydrofluorocarbon and Ozone Depleting Substances Reporting	EPA User
	OTAQREG: Office of Transportation and Air Quality Fuels Registration	Fuels Programs Registration
	SPDS: Stratospheric Protection Division System	Company Representative

Add Program Service **Manage Your Program Services**

Request HAWK Access – Existing CDX Account

1. Select HFC-ODS-R Program Service.
2. Select Role (Company Representative).
3. Click “Request Role Access” button.

1. Program Service > 2. Role Access > 3. Organization Information

Begin typing a program service name or related keywords to filter the list of available services (Clean Air Act).

Active Program Services List

HFC-Q

HFC-ODS-R: Hydrofluorocarbon and Ozone Depleting Substances Reporting

Cancel

Registration Information

Program Service	Hydrofluorocarbon and Ozone Depleting Sub
Role	Not selected

Select a role from the drop down list and provide any required additional information.

Select Role

Company Representative v

Request Role Access

Cancel

2

3

1

Request HAWK Access – Existing CDX Account

1. If you are requesting access for another company, request to add it.
2. Otherwise, select Current Organization from dropdown.
3. Click “Submit Request for Access” button
4. Once EPA approves, you will get an email notification helpdesk@epacdx.net and the program service will appear in your list.

1. Program Service ✓ > 2. Role Access ✓ > 3.

Registration Information

Program Service	Hydrofluorocarbon and Ozone Deple
Role	Company Representative

☒ **Select a Current Organization**

☐ **Request to Add an Organization**

Select an organization from the dropdown list.

Submit Request for Access

Responsibilities of Company Representative

- You are responsible for managing your organization's users.
- You may invite additional Company Representatives and Delegates through Role Sponsorship. See the table below for more detail:

Role	Description
Company Representative	<ul style="list-style-type: none">• Can invite other Company Representatives and Delegates.• Can update company and user information in HAWK.• Can create reports, delete reports, view data for the organization, and electronically sign documents.
Delegate	<ul style="list-style-type: none">• Cannot invite other users or make any changes to company or user information in HAWK.• Can create reports, delete reports, view data for the organization, and electronically sign documents.

Role Sponsorship in CDX

1. Log into CDX, select the “Role Sponsorship” tab.
2. Select the “Role Sponsorship/Invitation” tool.
3. Enter the email address for the user that is being sponsored.
4. Enter HFC-ODS-R (HAWK) from the Program Service dropdown.
5. Select the desired role from the Role dropdown based on the user’s permission needs.
6. Click the “Submit” button.

The screenshot shows the CDX Central Data Exchange interface. At the top, there are navigation tabs: MyCDX, Inbox, My Profile, Role Sponsorship (highlighted), Submission History, and Payment History. Below the tabs, a breadcrumb trail reads "You are here: Role Sponsorship Tools". A table titled "Role Sponsorship Tools" lists three tools: "Role Sponsorship/Invitation", "Pending Sponsorship Requests", and "Access Management". The "Role Sponsorship/Invitation" tool is selected, and its description is "Initiate and inform users of request to authorize service access". Below the table, the breadcrumb trail continues to "Role Sponsorship/Invitation". The main heading is "Role Sponsorship", followed by a note: "The asterisk (*) denotes a required field." There are two steps: "Step 1: Recipient Information" and "Step 2: Sponsorship Information". Step 1 contains a text input field for "Email *". Step 2 contains a dropdown for "Program Service *" (set to "HFC-ODS-R: Hydrofluorocarbon and Ozone Deple") and a dropdown for "Role *" (with "Company Representative" selected). At the bottom left, there are "Submit" and "Back" buttons.

CDX Central Data Exchange

Contact Us
Logged in as COMPREP2025 (Log out)

MyCDX Inbox My Profile **Role Sponsorship** Submission History Payment History

You are here: [Role Sponsorship Tools](#)

Role Sponsorship Tools

Tool	Description
Role Sponsorship/Invitation	Initiate and inform users of request to authorize service access
Pending Sponsorship Requests	List and approve/deny requests for service access
Access Management	View and/or modify existing privileges

You are here: [Role Sponsorship Tools](#) » Role Sponsorship/Invitation

Role Sponsorship
The asterisk (*) denotes a required field.

Step 1: Recipient Information

Provide the email address of the user you wish to sponsor. If the user does not already exist in CDX, you can either try a different email address or invite the new user to create a CDX account.

Email *

Step 2: Sponsorship Information

Provide the information for the role you wish to sponsor.

Program Service *
HFC-ODS-R: Hydrofluorocarbon and Ozone Deple▼

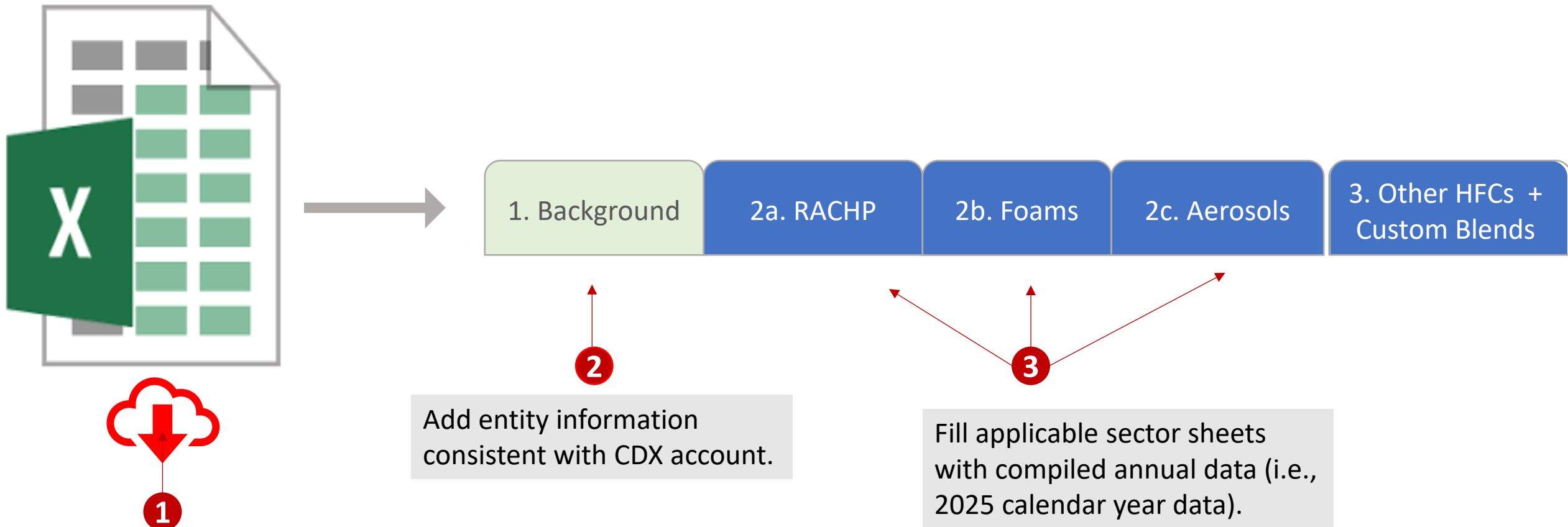
Role *
▼
Company Representative
Delegate

Submit Back

Completing the Technology Transitions Excel Report

Specifics for Filling out the Technology Transitions Reporting Form

Reporting Form Overview



Download Reporting Form from EPA website.

Add entity information consistent with CDX account.

Fill applicable sector sheets with compiled annual data (i.e., 2025 calendar year data).

The following slides are screen shots of the Technology Transitions Reporting form with example data. The reporting form may be downloaded here: [Technology Transitions Reporting Webpage](#)

Reporting Form Guidance

Phasedown of Hydrofluorocarbons: Restrictions on the Use of Certain Hydrofluorocarbons under Subsection (i) of the American Innovation and Manufacturing Act of 2020 Technology Transitions Reporting Form to fulfill requirements under 40 CFR 84.60

Worksheet Instructions:

- This reporting form should be completed by any person who imports or manufactures a product or specified component within a sector or subsector listed in § 84.54 that uses or is intended to use a regulated substance or blend containing a regulated substance.
- All sections of the report must be completed prior to submission.
- Provide supporting documentation, as needed, to respond to this reporting request.
- See § 84.60 for more discussion around the reporting requirements.

Version:

1.0

Updated:

12/16/2025

External Links (General and Regulation):

<https://www.epa.gov/climate-hfcs-reduction/technology-transitions>

<https://www.epa.gov/climate-hfcs-reduction/regulatory-actions-technology-transitions>

Reporting Form Navigation:

[Part 1: Background Information \(this sheet\)](#)

[Identifying Information \(this sheet\)](#)

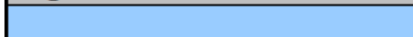
[Part 2a: RACHP Sector Reporting Form](#)

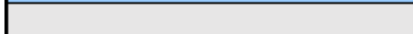
[Part 2b: Foam Sector Reporting Form](#)

[Part 2c: Aerosols Sector Reporting Form](#)

[Part 3: Other HFCs and Custom Blends](#)

Legend:

 Indicates that data entry/dropdown selection is required.

 Indicates that the cell is not editable by the user.

 Indicates that no data are required.

Reporting Form Guidance

Identifying Information

Instructions: Provide the following information in the table below. This information should be consistent with data entries in CDX account registration.

Reporting entity's name:	
Physical Street Address:	
City:	
State:	
Zip Code:	
Contact Person:	
Email Address:	
Phone Number:	
Year Covered in Report:	
Date of Submittal:	

RACHP Reporting Examples

	Select from dropdown	Select from dropdown	Select from dropdown if shaded blue	Enter Data
Sector	Product or Specified Component	Subsector	Additional Subsector Information	Equipment Type (e.g., compressor) [optional]
RACHP	Product	Vending machines	Vending machines	dozen cases bottle holder
RACHP	Specified Component	Residential and light commercial air conditioning and heat pumps	Residential and light commercial air conditioning and heat pump systems (e.g., mini-splits, unitary systems)	Residential Condensing Unit
RACHP	Specified Component	Residential and light commercial air conditioning and heat pumps	Residential and light commercial air conditioning and heat pump systems (e.g., mini-splits, unitary systems)	Commerical Condensing Unit
RACHP	Product	Chillers	Industrial process refrigeration with exiting fluid above -30 °C (-22 °F)	
RACHP	Specified Component	Chillers	Comfort cooling	1000-ton
RACHP	Specified Component	Chillers	Industrial process refrigeration with exiting fluid above -30 °C (-22 °F)	Tofu freezer
RACHP	Specified Component	Industrial process refrigeration (not using chillers)	With 200 or more lb refrigerant charge excluding high temperature side of cascade system and temperature of the refrigerant entering the evaporator equal to or above -30 °C (-22 °F)	Tofu freezer

RACHP Reporting Examples

Select from dropdown		Select from dropdown	Select from dropdown if shaded blue	Enter Data
Sector	Product or Specified Component	See 84.52 of Part 84 for definitions. Specified component for purposes of equipment in the refrigeration, air conditioning, and heat pump sector means condensing units, condensers, compressors, evaporator units, and evaporators.	Additional Subsector Information	Equipment Type (e.g., compressor) [optional]
RACHP	Product	Vending machines	Vending machines	dozen cases bottle holder
RACHP	Specified Component	Residential and light commercial air conditioning and heat pumps	Residential and light commercial air conditioning and heat pump systems (e.g., mini-splits, unitary systems)	Residential Condensing Unit
RACHP	Specified Component	Residential and light commercial air conditioning and heat pumps	Residential and light commercial air conditioning and heat pump systems (e.g., mini-splits, unitary systems)	Commerical Condensing Unit
RACHP	Product	Chillers	Industrial process refrigeration with exiting fluid above -30 °C (-22 °F)	
RACHP	Specified Component	Chillers	Comfort cooling	1000-ton
RACHP	Specified Component	Chillers	Industrial process refrigeration with exiting fluid above -30 °C (-22 °F)	Tofu freezer
RACHP	Specified Component	Industrial process refrigeration (not using chillers)	With 200 or more lb refrigerant charge excluding high temperature side of cascade system and temperature of the refrigerant entering the evaporator equal to or above -30 °C (-22 °F)	Tofu freezer

RACHP Reporting Examples

Select from dropdown		Select from dropdown	Select from dropdown if shaded blue	Enter Data
Sector	Product or Specified Component	Subsector	Additional Subsector Information	Equipment Type (e.g., compressor) [optional]
RACHP	Product	Vending machines	Vending machines	dozen cases bottle holder
RACHP	Specified Component	Motor vehicle air conditioning Refrigerated transport Remote automatic commercial ice machines Residential and light commercial air conditioning and heat pumps Residential dehumidifiers Retail food - refrigerated food processing and dispensing equipment Retail food - refrigeration stand-alone units Retail food - remote condensing units Retail food - remote refrigerated food processing and dispensing equipment Retail food - supermarkets Self-contained automatic commercial ice machines Vending machines		ensing Unit
RACHP	Specified Component			ensing Unit
RACHP	Product			
RACHP	Specified Component			
RACHP	Specified Component			
RACHP	Specified Component		exiting fluid above -30 °C (-22 °F)	Food freezer
RACHP	Specified Component	Industrial process refrigeration (not using chillers)	With 200 or more lb refrigerant charge excluding high temperature side of cascade system and temperature of the refrigerant entering the evaporator equal to or above -30 °C (-22 °F)	Tofu freezer

RACHP Reporting Examples Continued

<i>Enter Data</i>	<i>Enter data</i>	<i>Select from dropdown</i>	<i>Select from dropdown</i>
Additional Information [optional]	Charge Size (numeric; also includes holding charge or charge of zero, if applicable)	Charge Size Units	Identity of the HFC or HFC Blend Used or Intended for Use in Product or Specified Component
New Models	150	grams (g)	R-475A
Repair Only	8	pounds (lb)	R-410A
Repair Only	10	pounds (lb)	R-407C
Self-contained; need electrical and water connections	300	pounds (lb)	R-513A
oil-free centrifugal	2500	kilograms (kg)	HFC-32
Cooled water -15 °C	300	pounds (lb)	R-515B
Refrigerant -15 °C	300	pounds (lb)	R-471A

RACHP Reporting Examples Continued

Select from dropdown if shaded blue	Enter data if shaded blue
Specified Component intended for use with multiple HFCs?	Intended Additional HFCs or HFC Blends for the Specified Component
No	
Yes	R-438A
No	
No	
No	

RACHP Reporting Examples Continued

<i>Select from dropdown</i>	<i>Select from dropdown if shaded blue</i>	<i>Enter data if shaded blue</i>	<i>Select from dropdown if shaded blue</i>
Does the product or specified component include closed-cell foam containing a regulated substance?	Identity of the HFC or HFC Blend Used in Closed-Cell Foam	Mass of the Regulated Substance Used in Closed-Cell Foam	Unit of Measure for Mass of Regulated Substance Used in Closed-Cell Foam
Yes	HFC-152a	1.5	pounds (lb)
No			

RACHP Reporting Examples Continued

<i>Enter data</i>	<i>Enter data</i>	<i>Enter data</i>
Number of Units		
Domestically Manufactured (including products for export)	Imported	Exported
2,000	0	200
0	0	1
0	0	20
0	500	100
10	0	1
5	0	0
0	5	0

Foams Reporting Examples

Select from dropdown

Enter Data

Select from dropdown

Select from dropdown

Sector	Subsector	Additional Product Information [optional]	Is this a foam product or a foam blowing system?	Identity of the HFC or HFC Blend Used
1 Foam	Extruded polystyrene (XPS) boardstock and billet	XPS board with HFC/HFO blowing agent blend	Foam Product	HFC-152a
2 Foam	Rigid polyurethane one-component foam sealants		Foam Blowing System	HFC-152a
3 Foam	Rigid polyurethane commercial refrigeration and sandwich panels	sandwich panels	Foam Product	HFC-152a
4 Foam	Rigid polyurethane slabstock and other		Foam Blowing System	custom blend 1
5 Foam	Rigid polyurethane low pressure, two-component spray foam	low pressure spray foam kit	Foam Blowing System	custom blend 2

Foams Reporting Examples Continued

	<div> <div>Is this column Confidential Business Information (CBI)? (Select from dropdown)</div> <div>No</div> </div>		<div> <div>Is this column Confidential Business Information (CBI)? (Select from dropdown)</div> <div>No</div> </div>		<div> <div>Is this column Confidential Business Information (CBI)? (Select from dropdown)</div> <div>No</div> </div>	
Select from dropdown	Enter data if shaded blue	Select from dropdown if shaded blue	Enter data if shaded blue	Select from dropdown if shaded blue	Enter data if shaded blue	Select from dropdown if shaded blue
Do you want to report Mass or Density and Volume?	Mass of the Regulated Substance	Mass of Regulated Substance Units	Density of the Regulated Substance	Density of the Regulated Substance Units	Volume of Foam	Volume of Foam Units
Density and Volume			3.15	kg of regulated substance per cubic meter	10.00	cubic meters of foam
Mass	120.00	grams (g)				
Density and Volume			0.80	lb of regulated substance per cubic foot	1.20	cubic feet of foam
Mass	15.00	pounds (lb)				
Mass	6.00	pounds (lb)				

Foams Reporting Examples Continued

<i>Is this column Confidential Business Information (CBI)? (Select from dropdown)</i>	<i>Is this column Confidential Business Information (CBI)? (Select from dropdown)</i>	<i>Is this column Confidential Business Information (CBI)? (Select from dropdown)</i>
Yes	Yes	Yes
<i>Enter data if shaded blue</i>	<i>Enter data if shaded blue</i>	<i>Enter data if shaded blue</i>
Number of Units		
Domestically Manufactured (including products for export)	Imported	Exported
1,000,000	0	50,000
20,000	1,000	4,000
8,000	0	2,000
2,000	0	100
220,000	20,000	40,000

Aerosols Reporting Examples

<i>Select from dropdown</i>		<i>Select from dropdown</i>	<i>Enter data</i>	<i>Select from dropdown</i>
Sector	Subsector	Additional Subsector Information	Additional Product Information [optional]	Identity of the HFC or HFC Blend Used
Aerosols	Consumer aerosol products	Consumer Aerosol	hairspray	HFC-152a
Aerosols	Technical aerosol products	Wound care sprays		HFC-134a
Aerosols				
Aerosols				

Aerosols Reporting Examples Continued

Enter data	Select from dropdown	Enter data	Enter data	Enter data
Mass of the Regulated Substance	Mass of the Regulated Substance Units	Number of Units		
		Domestically Manufactured (including products for export)	Imported	Exported
10.00	grams (g)	1000	20000	822
8.00	ounces (oz)	10000	15555	450

Other HFCs or Custom Blends

- Use tab 3 to report custom blends or HFCs not included in the dropdown lists.
- Example shown below for how to report a custom blend. Note that the blend must sum to 100%.

<i>Enter Data</i>	<i>Select from Dropdown</i>	<i>Enter data if shaded blue</i>	<i>Enter Data</i>
Name	Compound	Other Compound - Please Specify	Percent
Custom Blend 1	HFC-152a		50%
Custom Blend 1	HFC-245fa		30%
Custom Blend 1	Other	CO2	20%

Creating & Uploading a Technology Transitions Report in HAWK

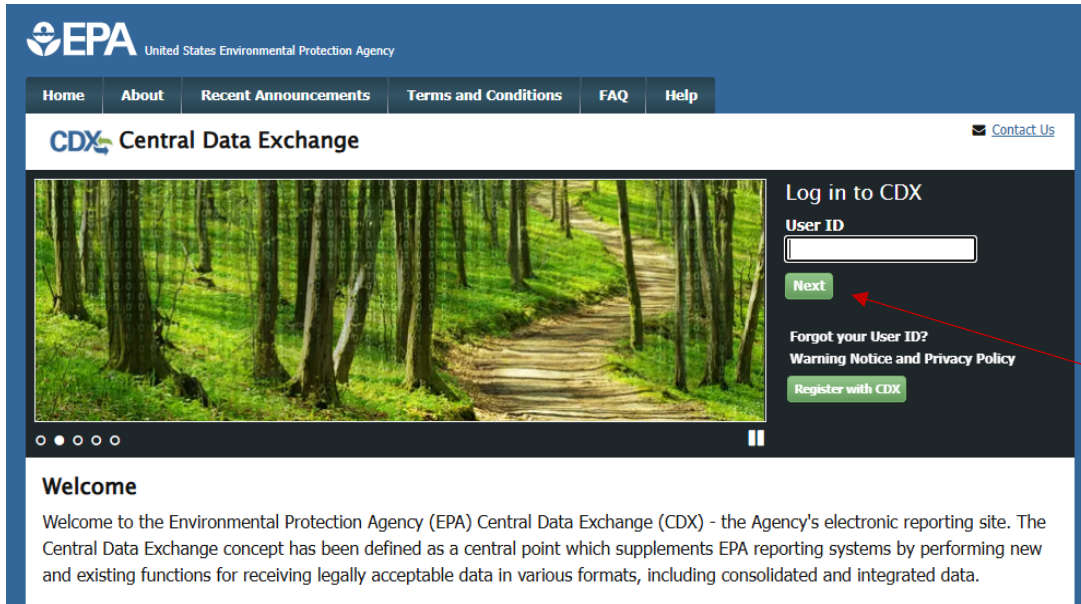
Steps for Generating and Submitting a Technology Transitions Report

Creating & Uploading a Technology Transitions Report: Overview

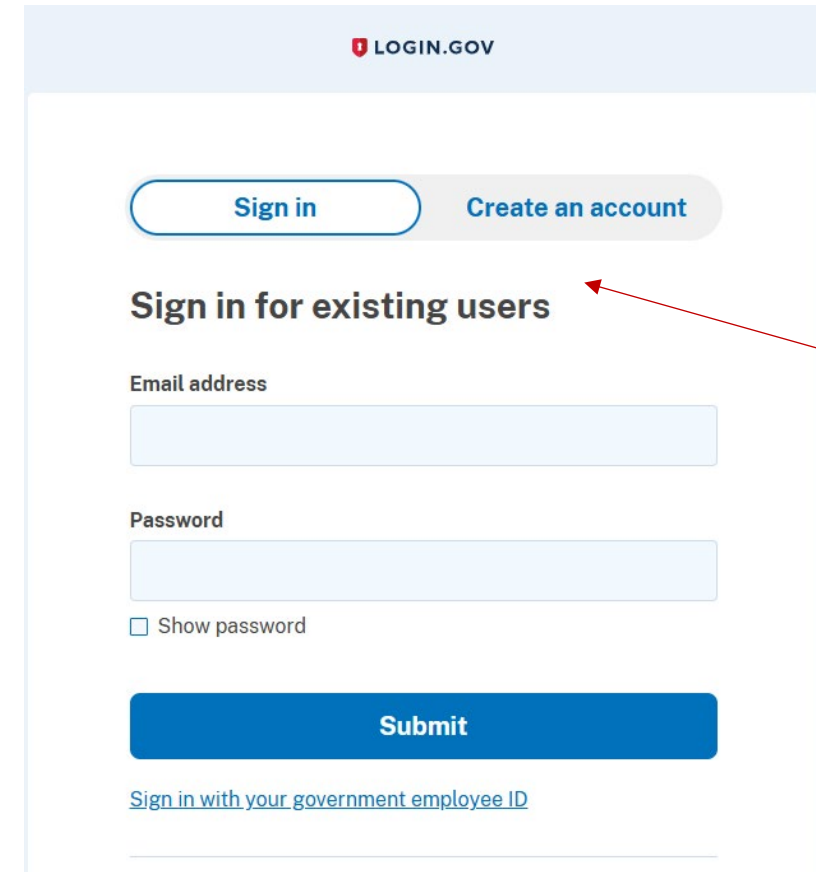
1. Access HAWK through [CDX](#).
2. Select Technology Transitions from the HAWK Landing Page.
3. Select Create Technology Transitions Report.
4. Electronically Sign & Submit Technology Transition Report.

Step 1: Log into CDX

1. Enter your User ID.
2. CDX will redirect you to log into your Login.gov account.



The screenshot shows the EPA Central Data Exchange (CDX) login interface. At the top is the EPA logo and navigation links. Below is the CDX header. A large image of a forest path is on the left. On the right, the 'Log in to CDX' section contains a 'User ID' input field, a 'Next' button (highlighted with a red circle and the number 1), and links for 'Forgot your User ID?', 'Warning Notice and Privacy Policy', and 'Register with CDX'. A 'Welcome' message is at the bottom.



The screenshot shows the LOGIN.GOV sign-in page. At the top is the LOGIN.GOV logo. Below are 'Sign in' and 'Create an account' buttons. The 'Sign in for existing users' section (highlighted with a red circle and the number 2) includes 'Email address' and 'Password' input fields, a 'Show password' checkbox, and a 'Submit' button. A link for 'Sign in with your government employee ID' is at the bottom.

Step 2: Access HAWK

1. Click on the Role link for which you have registered. In this scenario, click on the “Company Representative” role link to access HAWK.

The screenshot displays the MyCDX web application interface. At the top, there are navigation tabs: MyCDX, Inbox, My Profile, Role Sponsorship, Submission History, and Payment History. The main content area is divided into two columns. The left column features a 'Services' table with a green header and a 'Manage' link. The table has three columns: Status, Program Service Name, and Role. A red circle highlights the 'Company Representative' link in the Role column. The right column contains two sections: 'CDX Service Availability' with a link to 'See the status for all program services', and 'News and Updates' with a red circle containing the number '1' and the text 'No news/updates.' Below the table, there are two green buttons: 'Add Program Service' and 'Manage Your Program Services'.

Status	Program Service Name	Role
	HFC-ODS-R: Hydrofluorocarbon and Ozone Depleting Substances Reporting	Company Representative

Step 3: Program Selection

1. Company Representatives will be redirected to the HAWK Program Selection page.
2. Company Representatives select “Technology Transitions”.
3. Click the “Submit” button.

An official website of the United States government [Here's how you know](#)

EPA United States Environmental Protection Agency

HAWK EPA's Online Reporting System

Home Submission History Account Management Help

DEBSPDS20231101 (It's all Mine (GDIT Testing))

[Home](#) > [Acct Mgt](#) > Select Programs

HAWK Program Selection

Select Regulatory Program(s) for Reporting

Before you get started, please select the program(s) for reporting. You can update these in [Account Management](#) later as needed.

[Clean Air Act](#)

☐ National Recycling and Emissions Reduction (Sec

[American Innovation and Manufacturing Act](#)

☐ Technology Transitions (Subsection I) ⓘ

Submit

Learn More About HAWK Programs

Learn more about the programs using HAWK for reporting:

Clean Air Act

- [National Recycling and Emissions Reduction \(Section 608\)](#)

American Innovation and Manufacturing Act

- [Technology Transitions \(Subsection I\)](#)

Step 4: Create a New Technology Transitions Report

1. You will be redirected to the HAWK homepage.
2. Click “Select” on the Technology Transitions tile.
3. Select “Submit Report”.

The screenshot shows the EPA HAWK Technology Transitions homepage. The header includes the EPA logo, the text 'United States Environmental Protection Agency', and the HAWK logo. Navigation links for 'Home', 'Submission History', 'Account Management', and 'Help' are present. The user email 'ROBERTS.MOLLY@EPA.GOV (U.S. EPA)' is displayed. The main heading is 'Technology Transitions', followed by a welcome message. Three large tiles are visible: 'Submit Report' (with a pencil icon and a 'Submit Report' button), 'View Submission History' (with a list icon and a 'View Submissions' button), and 'Get Guidance' (with an information icon and a 'Learn More' button). A red circle with the number '1' and an arrow points to the 'Submit Report' button. A 'What's New' sidebar on the right states: 'Technology Transitions Program Annual reporting deadline: March 31'.

Step 5: Enter General Report Information

1. Select the reporting year.
2. Confirm organization/address are correct for this report.
3. Enter any additional organizational information that would assist EPA in their review.
 - e.g., recent acquisitions, merges, etc.
4. Select all relevant North American Industry Classification System (NAICS) codes. If you have more than one, select more than one from the dropdown.

The screenshot shows the 'Enter General Report Information' step of a reporting process. At the top, there are three progress indicators: 1 (selected), 2, and 3. Below them are the labels 'Enter General Report Information', 'Enter Contact Information', and 'Upload'. The main heading is '1. Enter General Report Information' with a note that an asterisk (*) denotes a required field. The form contains the following fields: 'Reporting Year *' (a dropdown menu), 'Organization Name' (with a pre-filled example and an 'Update Incorrect Information' link), 'Street Address' (1234 Main Street), 'City' (Springfield), 'State' (AL), and 'Zip/Postal Code' (12345). Below these is a text area for 'Additional Organizational Information' with an information icon. At the bottom is a dropdown for 'Applicable NAICS Code(s) *' with an information icon. There are 'Cancel' and 'Save & Continue' buttons at the bottom. Four red callout circles with numbers 1 through 4 point to specific fields: 1 points to the 'Reporting Year' dropdown, 2 points to the 'Organization Name' field, 3 points to the 'Additional Organizational Information' text area, and 4 points to the 'Applicable NAICS Code(s)' dropdown.

Step 6: Enter Contact Information

1. Confirm your Reporter Information is correct.
2. Reporter Information data points are pre-populated and based on CDX data; changes to Reporter Information must be done in CDX.
3. If there is another person who should be contacted about the content of this report, fill out the “Supplemental Contact Person” fields.

1 Enter General Report Information 2 Enter Contact Information 3 Upload Report File

2. Enter Contact Information

Asterisk (*) denotes required field.

If your contact information is incorrect, please change that in [CDX](#).

If there is another person who should be contacted about the content of this report, please enter their information below. If there is no other person, please Save & Continue.

Reporter Information

Reporter First Name
Jane

Reporter Last Name
Doe

Reporter Email Address
JD@jd.com

Reporter Phone Number
xxx-xxx-xxxx

Supplemental Contact Person (if necessary)

Supplemental Contact Person First Name

Supplemental Contact Person Last Name

Supplemental Contact Person Email Address

Supplemental Contact Person Phone Number

Supplemental Contact Person Fax Number

Back Save & Continue Cancel

Step 7: Upload Report File

1. Upload your Technology Transition Reporting Form.
2. If there are any validation issues, the system will return the errors, identifying where and how to fix them.
3. If there are no validation issues, move to Step 4.

1 Enter General Report Information 2 Enter Contact Information **3 Upload Report File** 4 Upload Supplemental File(s) 5 Review and Submit

3. Upload Report File

Asterisk (*) denotes required field.

Upload the Technology Transitions Report for the Reporting Year using the [required template](#).

Report File Upload

Acceptable file types include: XLSX

File Name	File Format	Date Submitted	Action

Choose File

No file chosen

No file chosen

Upload File

1

Your report file [initialsubmission.xlsx](#) has missing required data in cell C45 in RACHP sheet and also in Aerosols sheet. Please fill out the required field and reupload your report file.
Your report file [initialsubmission.xlsx](#) has a wrong data format entered in cell AB748 in sheet Foam. Please enter the correct format for the required field and reupload your report file.

File Name	File Format	Date Submitted	Action

2

Report Errors

Export

File Name	Sheet Name	Cell Location	Error	Guidance
InitialSubmission.xlsx	RACHP	C45	Missing Required Data	Fill out required field
InitialSubmission.xlsx	Foam	AB748	Wrong Data Format	Mass of the Regulated Substance Used in Closed-Cell Foam must be numeric.
InitialSubmission.xlsx	Aerosols	G25	Missing Required Data	Fill out required field

Step 8: Upload Supplemental Files

1. If necessary, you may upload additional files to support the data in your report. This step is not required.

Progress bar showing steps: 1. Enter General Report Information, 2. Enter Contact Information, 3. Upload Report File, 4. Upload Supplemental File(s) (highlighted), 5. Review and Submit.

4. Upload Supplemental File(s)

Supplemental File Upload

If EPA requested additional information, please upload any supporting documentation here. Acceptable file types include: PDF, DOCX, DOC, XLS, XLSX, TXT, and CSV.

File Name	Date Added	Action

Choose File

No file chosen

No file chosen

Upload File

Back

Save & Continue

[Cancel](#)

Step 9: Review and Submit

1. Review the submission information for accuracy before you electronically sign and submit.

1

2

3

4

5

Enter General Report Information

Enter Contact Information

Upload Report File

Upload Supplemental File(s)

Review and Submit

5. Review and Submit

To make any edits before submitting, please use the back button.

Report Overview

Organization Name

Example Organization

Street Address

1234 Main Street

City

Springfield

State

AL

Zip/Postal Code

12345

Reporting Year

2023

Applicable NAICS Code(s)

238220, 233333

Reporter First Name

Name Displayed

Reporter Last Name

Name Displayed

Reporter Email Address

Email Displayed

Reporter Phone Number

Phone Number Displayed

Supplemental Contact Person First Name

Name Displayed

Supplemental Contact Person Last Name

Name Displayed

Supplemental Contact Person Email Address

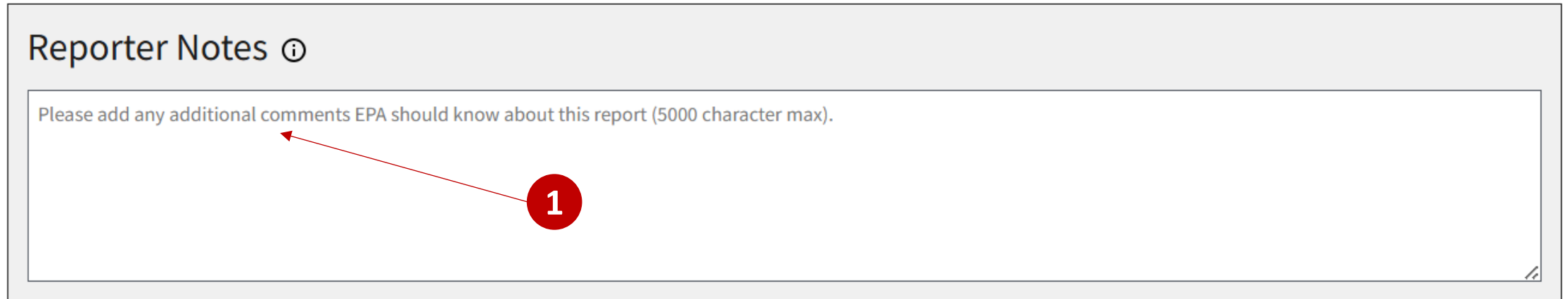
Email Displayed

Supplemental Contact Person Phone Number

Phone Number Displayed

Step 9: Review and Submit

1. You may also submit any notes that you want EPA to consider when reviewing your report.
2. If you need to make changes to the data, use the back buttons to update.
3. If no changes are needed, select the Sign & Submit button to electronically sign the report.



Reporter Notes ⓘ

Please add any additional comments EPA should know about this report (5000 character max).

A red circle with the number 1 is positioned next to the text area, with a red arrow pointing to the input field.

Back

[Cancel](#)

Sign & Submit

Viewing Submissions

Submitted reports can be viewed in HAWK & CDX

Viewing Submissions in HAWK

1. Using the Global Navigation Bar, select Submission History.
2. Using the filters, if needed, locate the report you want to view.
3. Select the Report Identifier to open the details of that report.

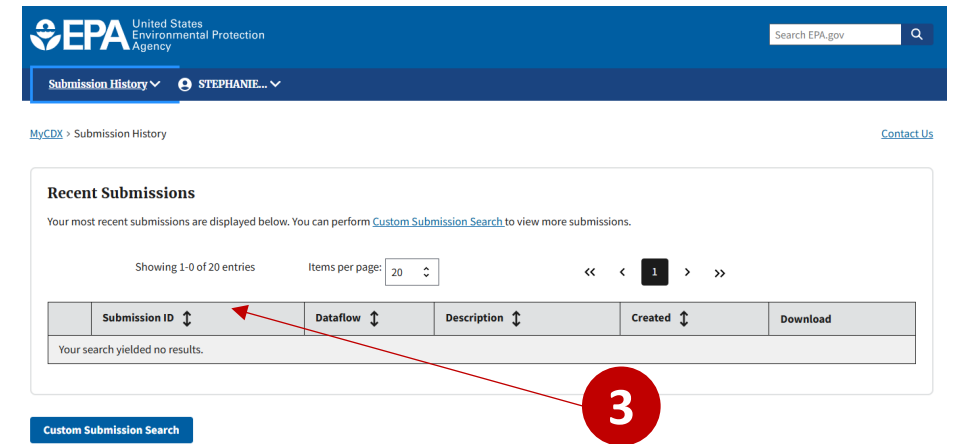
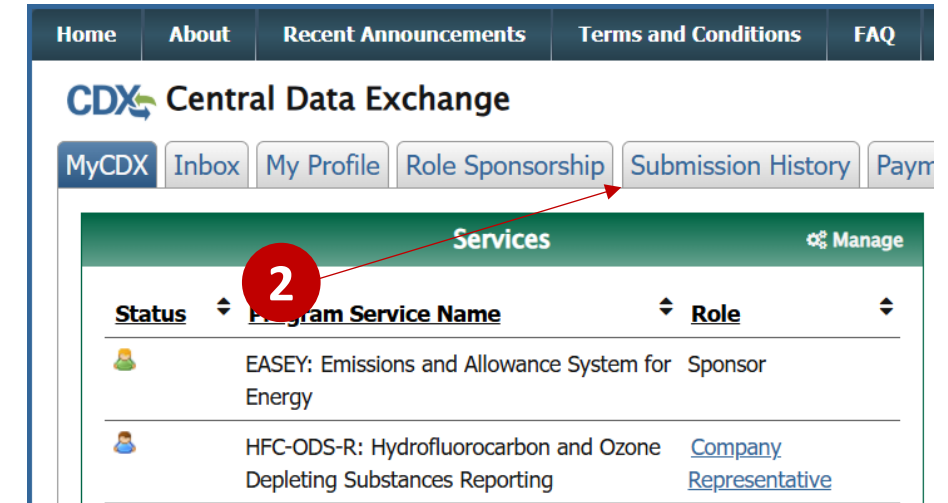
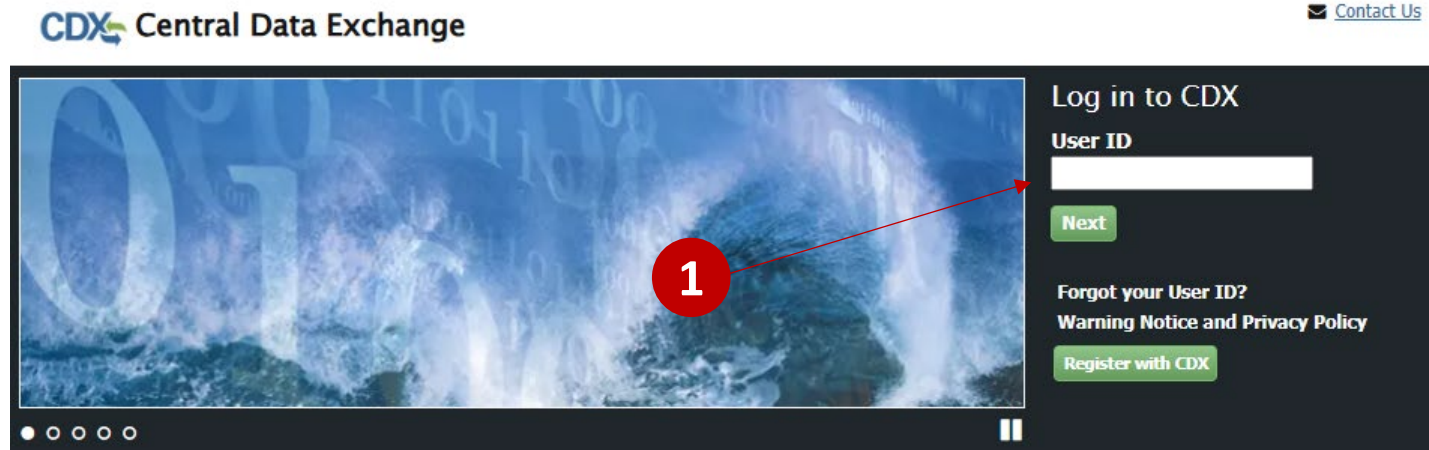
The screenshot shows the HAWK Submission History page. At the top is the EPA header with navigation links: HAWK Home, Technology Transitions, and Submission History. A red arrow labeled '1' points to the 'Submission History' link. Below the header, the page title is 'SPDS > Submission History'. A 'Filters' section contains several input fields: 'Report Identifier', 'Filter by Regulation', 'Filter by Report Year', 'Filter by Status', 'Filter by Report Type', 'Date Received Range', and 'Date of Status Change Range'. A red arrow labeled '2' points to the 'Filter by Status' dropdown. Below the filters is a table with the following data:

Report Identifier	Organization Name	Regulation	Report Type	Report Year	Reporting Period	Status	Date Received	Date of Status Change
TT AR 2024 1023	U.S. EPA	Technology Transitions	Technology Transitions	2024	Annual	Submitted		2025-09-18, 12:17 PM
TT AR 2023 1027	U.S. EPA	Technology Transitions	Technology Transitions	2023	Annual	Pre-Submission		2025-09-18, 12:22 PM

A red arrow labeled '3' points to the 'TT AR 2024 1023' link in the first row of the table.

Viewing Submitted Reports in CDX

1. Log into CDX.
2. Select the “Submission History” Tab.
3. View Recent Submissions or search for an older report.



Resubmitting a Technology Transitions Report

What To Do If Your Report Is Returned

Possible Reasons for Resubmission

Examples:

- Self-identified additional edits are necessary.
- EPA requested edits due to data discrepancies or other issues.

Resubmitting a Report

If a report is returned, follow these steps:

1. Navigate to the Submission History section in HAWK.
2. Using the table filters/sorts, locate the report to resubmit.
3. Select the “Report Identifier” link (e.g., TT AR 2025 1001).

The screenshot shows the EPA HAWK Submission History page. At the top, the EPA logo and navigation links are visible. A red arrow labeled '1' points to the 'Submission History' link in the top navigation bar. Below the navigation bar, the 'Submission History' section is displayed. A red arrow labeled '2' points to the 'Filter by Status' dropdown menu in the filters section. Below the filters, a table of submission history is shown. A red arrow labeled '3' points to the 'Report Identifier' link 'TT AR 2024 1023' in the first row of the table.

SPDS > Submission History

Submission History

Filters

Report Identifier:

Filter by Status:

Filter by Regulation:

Filter by Report Type:

Filter by Report Year:

Date Received Range: -MM-DD Start Date YYYY-MM-DD End Date

Date of Status Change Range: YYYY-MM-DD Start Date YYYY-MM-DD End Date

Report Identifier	Organization Name	Regulation	Report Type	Report Year	Reporting Period	Status	Date Received	Date of Status Change
TT AR 2024 1023	U.S. EPA	Technology Transitions	Technology Transitions	2024	Annual	Submitted		2025-09-18, 12:17 PM
TT AR 2023 1027	U.S. EPA	Technology Transitions	Technology Transitions	2023	Annual	Pre-Submission		2025-09-18, 12:22 PM

Resubmitting a Report

- 1. Select “Edit Report” button on the top right.
- 2. Make the required changes.
- 3. Resign/Resubmit changes.

SPDS > Reporting > View

View Report : TT AR 2024 1012

Report Header

Report Identifier

TT AR 2024 1012

Report Type

Technology Transitions Report

Reporting Year

2024

Reporting Period

Annual

Current Status

Submitted

Edit Report

1

Edit Report: TT AR 2024 1012



Review and Submit

To edit, use back buttons to navigate back to section needing update.

Report Overview

Organization Name

Acme Test Inc

Street Address

1234 5th St

City

Testtown

State

DC

Zip/Postal Code

12345

Reporting Year

2024

Additional Organizational Information

N/A

Applicable NAICS Code(s)

322299 - All Other Converted Paper Product Manufacturing

Reporter First Name

Stephanie

Reporter Last Name

Powers

Reporter Email Address

stephanie.powers@gdlt.com

Reporter Phone Number

5402303617

Supplemental Contact Person First Name

N/A

Supplemental Contact Person Last Name

N/A

Supplemental Contact Person Email Address

N/A

Supplemental Contact Person Phone Number

N/A

Attachments

File	Attachment Type	File Format	Date Added	Action

Reporter Notes (max 5000 characters)

Please add any additional comments EPA needs to know about this report.

Back

Sign & Submit

Getting Additional Help

More Resources

Technology Transitions Program Resources

Additional Resources

Technology Transitions website	Technology Transitions Website
2023 Technology Transitions Final rule fact sheet	2023 Technology Transitions Final Rule Fact Sheet PDF
Labeling fact sheet	Labeling Fact Sheet PDF
HFC restrictions and compliance dates by subsector	Technology Transitions HFC Restrictions by Sector Website
Frequently Asked Questions Webpage	Frequently Asked Questions Webpage

To receive emails about new resources and updates join our contact list by emailing HFCTransitions@epa.gov.

Getting Additional Help

- Help Documentation
 - User Guides (coming soon!)
 - Webinars
- Regulation
 - [Technology Transitions Webpage](#)
- Contact the Technology Transitions Team
 - hfctransitions@epa.gov
- Reporting registration links
 - <https://cdx.epa.gov/>
 - <https://secure.login.gov/>

Takeaways

- First annual report is due **March 31, 2026.**
- Reporting covers newly manufactured or imported products and specified components during calendar year 2025.
- Reports are due for all subsectors regardless of restriction dates.
- Registration is available now. Register early!
- Download reporting forms now to prepare, available at the [Technology Transitions Webpage](#).
- Reach out to HFCTransitions@epa.gov if you have further questions.

Q&A

Still have questions? Reach out to us!

HFCTransitions@epa.gov