

# Process CDES Requests

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## *CDES: CAD Data Exchange/Translation System*

### Introduction

The CAD Data Exchange/Translation System (CDES) automates the process of exchanging 2D CAD data between Molex engineering and tooling groups and external vendors who work in AutoCAD. It also allows you to translate single AutoCAD drawings already in Work Manager into Me10 drawings.

This document demonstrates the front-end CDES interface, through which Molex engineers create and monitor CDES requests and translate single drawings.

### Vendor Job Request Function

This function creates a CDES request, which automatically packages a contract drawing project, sends it to the vendor, translates the returned drawings to Me10, and files the completed work in Work Manager.

A CDES request documents a CAD exchange by creating a placeholder record for the returned drawings. It also triggers an automated process that packages the project and sends it to the vendor. The package includes an AutoCAD template that is compliant with Molex drawing standards for layering, linetypes, fonts, dimensioning, colors, title block, etc. Contract vendors use this template to create AutoCAD drawings for Molex. When a vendor returns completed drawings, a Molex translation engine converts the drawings from AutoCAD to Me10, and they are imported into Work Manager.

At key milestones in the process—when your request is submitted, and when completed drawings are available in Work Manager—the system automatically notifies you by email.

Note that you will create one document number in CDES. Returned drawings with multiple sheets use that document number, but the translation process automatically appends sheet and/or revision numbers to drawing components.

Using this function you can also check the status of, and cancel, requests.

### Single Translation Function

The CDES system allows you to translate a single AutoCAD drawing that already exists in Work Manager into an Me10 drawing. You enter search criteria to locate and confirm the document. The system performs the translation automatically, makes the appropriate Work Manager updates, and notifies you when the translation is complete.

## Who Performs This Task?

Molex engineers perform this task.

## What Does This Task Do?

This task performs three functions:

*[Creates a CDES job request](#)* – page 3

*[View the status of, or cancel, a request](#)* – page 11

*[Translate a single drawing](#)* – page 13

## Create a CDES job request

The lettered call-outs on the figures below are referenced by the steps that follow.

### 1. Log on to midasweb.

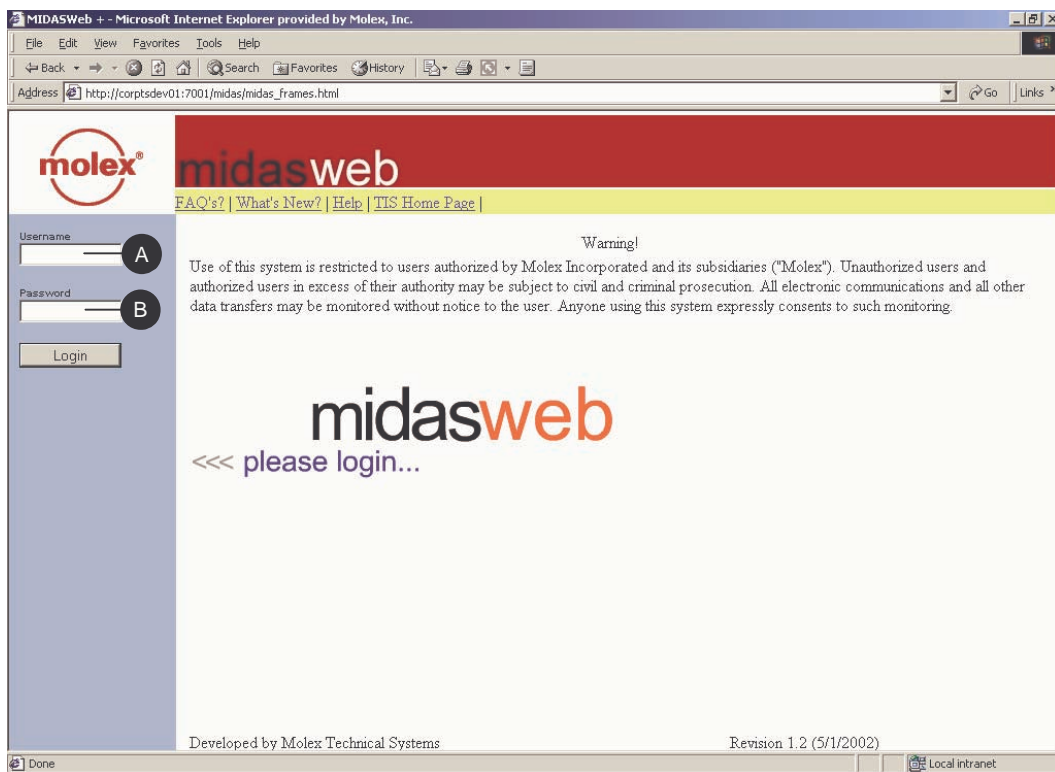
The CDES software is available through Molex's midasweb interface.

Start your Web browser software and execute the following URL:

<http://corptsdev01:7001/midas>



The midasweb login screen is displayed.



Complete the following fields:

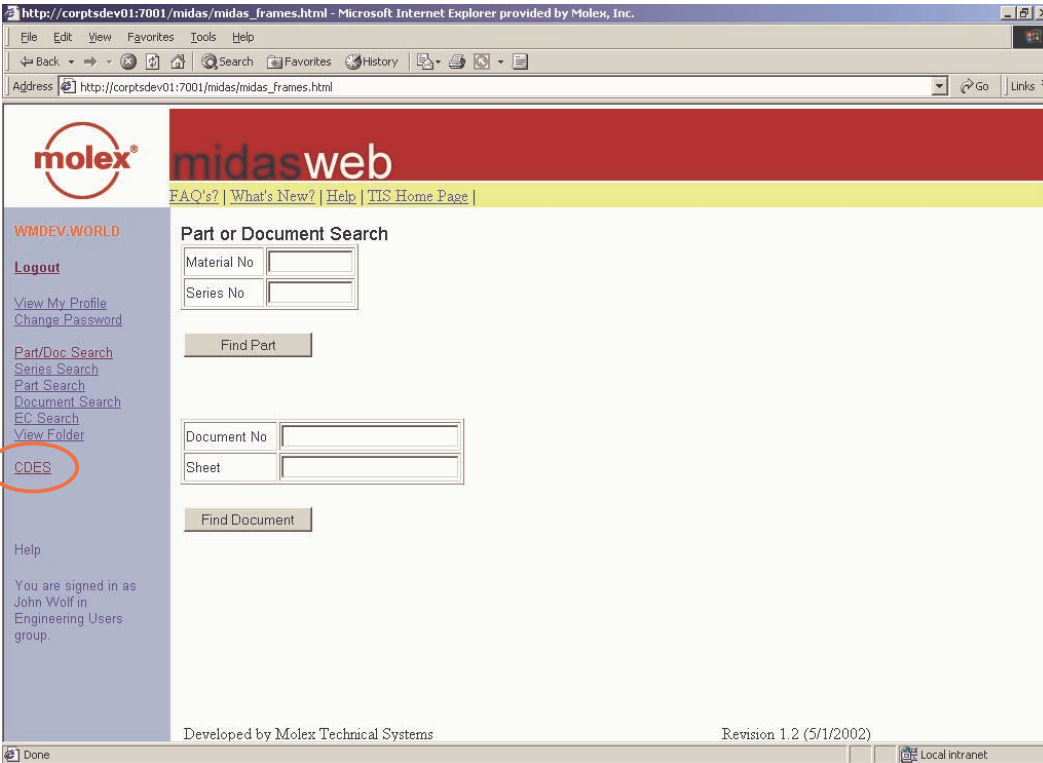
Element	Description
A. Username	Your midasweb user name
B. Password	Your midasweb password

Click .

## Process CDES Requests



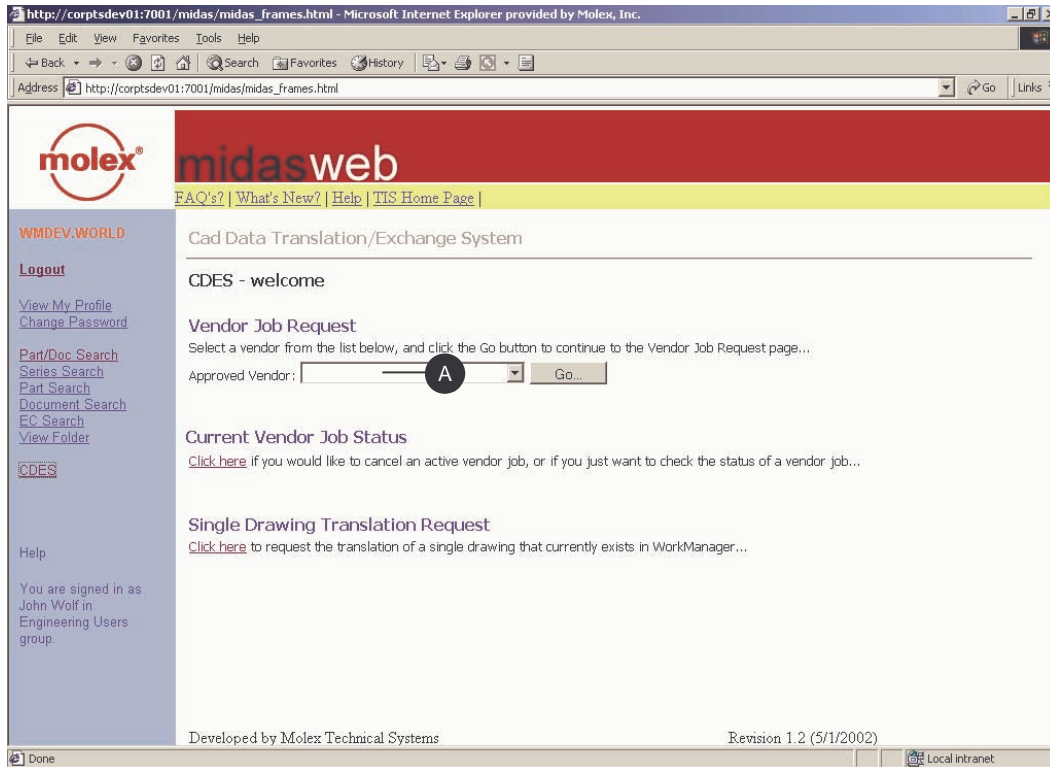
The midasweb search/menu screen is displayed.



In the menu column, click **CDES**.



The *CDES – welcome* screen is displayed.



## 2. Identify the vendor.

Complete the following field:

### Element

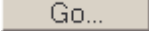
### Description

#### A. Approved Vendor

Click  and choose a vendor from the approved list.

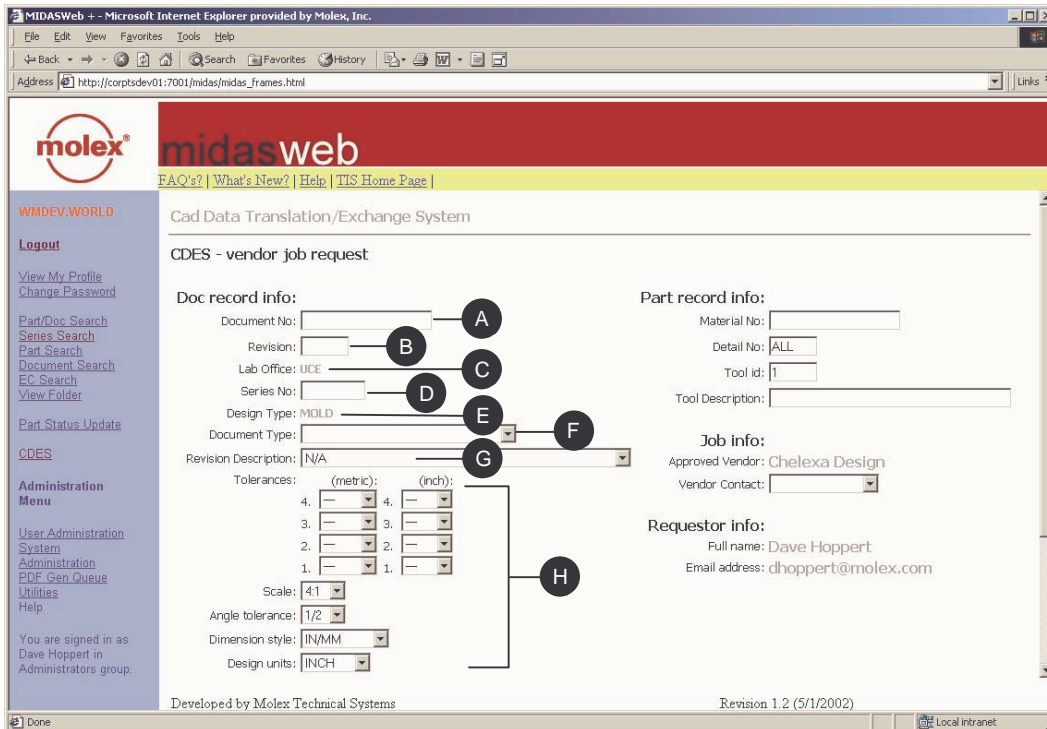


If the vendor you are working with does not appear in the dropdown list, contact the Help Desk and request that an FTP account be created for the vendor. Provide the Help Desk with at least one contact for the vendor.

Click .



The CDES – vendor job request screen is displayed.



### 3. Complete the *Doc record info* section.

Fields in this section define the CDES document. All fields except Title 2 and Title 3 (scroll down) are required. Field values are validated when the request is submitted.




Selected fields default from your Work Manager personal profile. For example, the group of fields from Tolerances through Design units (**H**) default based on your lab office and design type (model function). Most default values may be overridden. Others, such as Lab Office (**C**), are grayed-out and are display-only.





For more information on these and other fields in CDES, refer to the Work Manager Phase 4 documentation on molexnet at this location:

<http://www.molexnet.com/it/ts/applications/workmanager/phase4doc/>

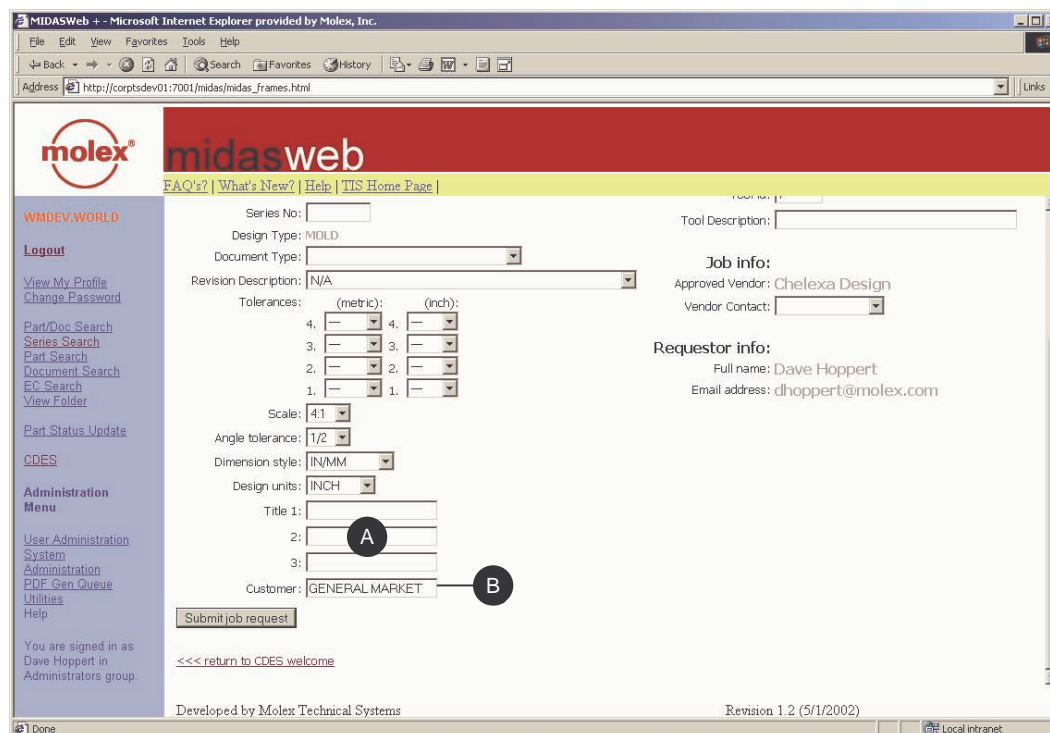
Review/complete the following fields:

Element	Description
<b>A. Document No</b>	Enter a document number appropriate to the Me10 drawing class.  All sheets/revisions in a drawing use this document number. The translation process automatically appends sheet and/or revision numbers to the file names.
<b>B. Revision</b>	Enter a revision value.
<b>C. Lab Office</b>	Defaults from your WM profile.

Element	Description
<b>D. Series No</b>	Enter a document series.
<b>E. Design Type</b>	Defaults from your WM profile.
<b>F. Document Type</b>	Click  and choose a document type.
<b>G. Revision Description</b>	Click  and choose a revision description.
<b>H. Drawing parameters: Tolerances through Design units</b>	Default from your WM profile, but may be changed.

**4. Complete the lower portion of the *Doc record info* section.**

Scroll down for more fields.

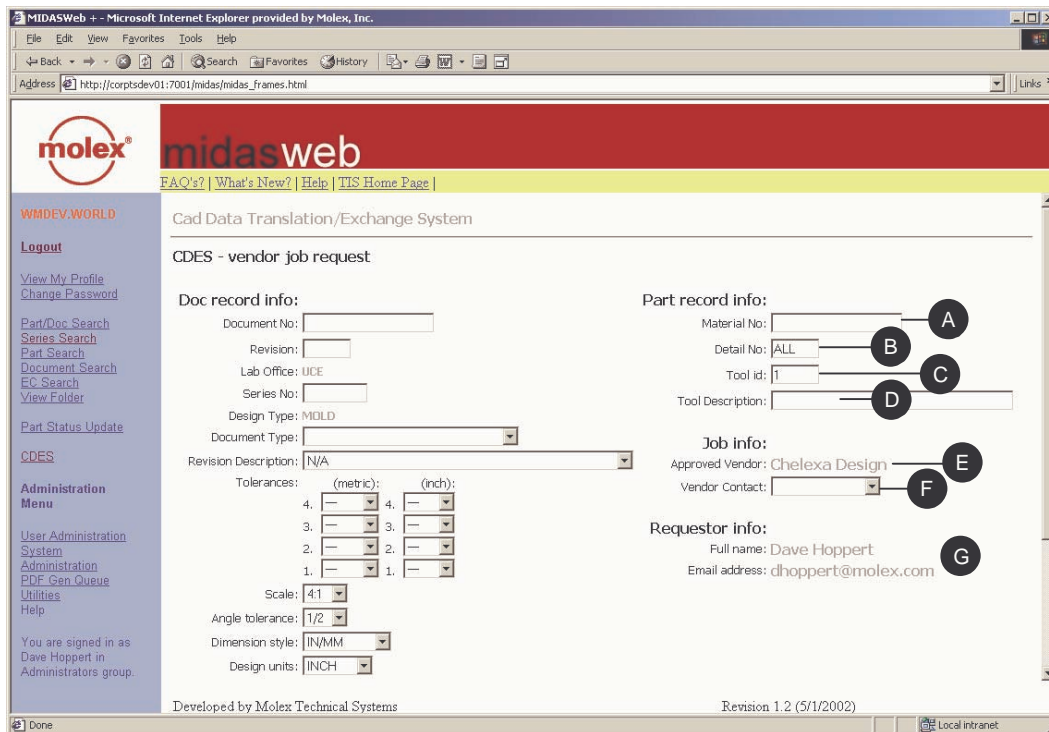


Complete the remaining fields in the *Doc record info* section:

Element	Description
<b>A. Title 1, 2, and 3</b>	Enter a freeform document description in Title 1. Titles 2 and 3 are optional.
<b>B. Customer</b>	Enter a customer name or "General Market".

**5. Complete the *Part record info* section.**

This section describes the Molex part to which the request is applicable.



The screenshot shows the MIDASWeb application in a Microsoft Internet Explorer browser. The page title is "MIDASWeb - Microsoft Internet Explorer provided by Molex, Inc.". The address bar shows "http://corptsdev01:7001/midas/midas\_frames.html". The page has a red header with the "molex" logo and "midasweb" text. Below the header is a navigation bar with links: "FAQ's?", "What's New?", "Help", and "TIS Home Page". The main content area is titled "Cad Data Translation/Exchange System" and "CDES - vendor job request". The form is divided into four sections: "Doc record info", "Part record info", "Job info", and "Requestor info". The "Part record info" section is highlighted with a red background. Fields are labeled with letters A through G: A (Material No), B (Detail No), C (Tool id), D (Tool Description), E (Approved Vendor), F (Vendor Contact), and G (Full name and Email address). The "Doc record info" section includes fields for Document No, Revision, Lab Office, Series No, Design Type, Document Type, Revision Description, Tolerances, Scale, Angle tolerance, Dimension style, and Design units. The "Job info" section includes fields for Approved Vendor and Vendor Contact. The "Requestor info" section includes fields for Full name and Email address. The footer of the page says "Developed by Molex Technical Systems" and "Revision 1.2 (5/1/2002)".



Complete/review the following fields:

Element	Description
<b>A. Material No</b>	Molex part number to which the request applies.
<b>B. Detail No</b>	Defaults to <b>All</b> but may be changed.
<b>C. Tool id</b>	Defaults to <b>1</b> but may be changed.
<b>D. Tool Description</b>	Enter a freeform description for the tool.

**6. Complete the *Job info* section.**

This section identifies the vendor and the vendor contact for this job.

Complete/review the following fields:

Element	Description
<b>E. Approved Vendor</b>	Defaults from the choice you made on the welcome screen.
<b>F. Vendor Contact</b>	Click  and choose a vendor contact for this job.   If the contact you are working with does not appear in the dropdown list, contact the Help Desk and request that a contact be added to the FTP account for the vendor.



**7. Review the *Requestor info* section.**

This section (G) identifies you, the requestor. Email confirmations will be sent to the address shown here when the job has been submitted and when the returned drawings are translated and available in Work Manager.

**8. Submit the request.**

To submit the request, click .

**9. Correct errors, if any.**

The system validates data entry when you submit the request. If there are errors, error messages appear at the top of the data entry form, as shown below (A).



A sample error screen.

Review the error messages.

To correct a field, type over the incorrect value in the data input area.

When you have completed all corrections, click .

## 10. Review the confirmation screen.

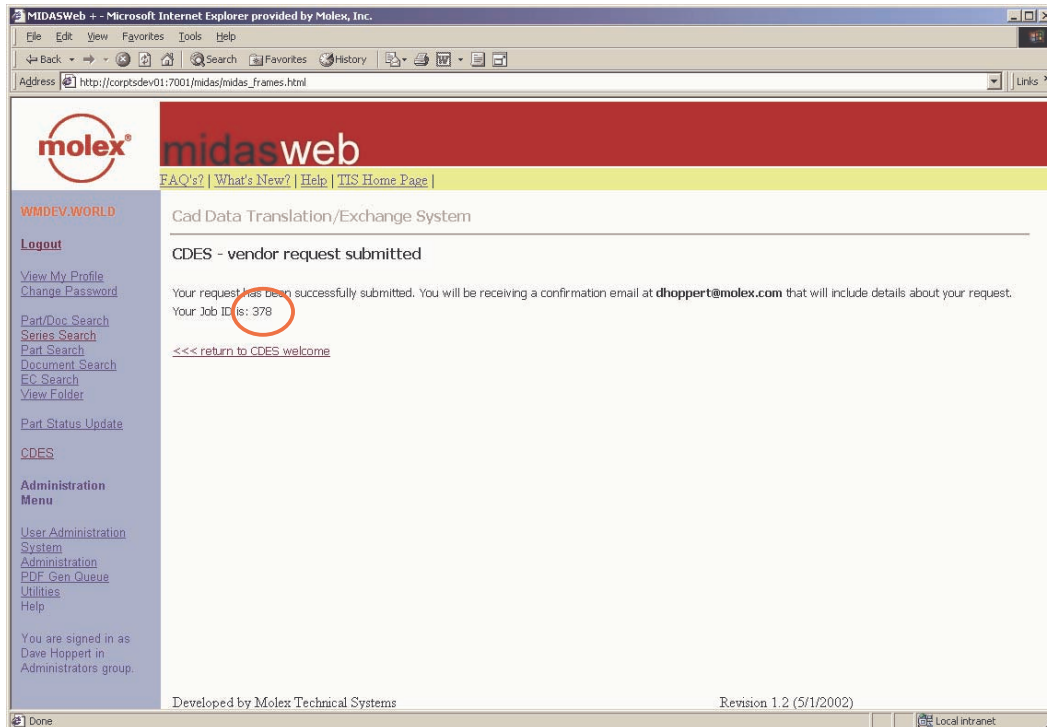
The screen shown below confirms a successful job submission.

You and the chosen vendor contact are automatically notified of the request by email.

Note the job request number, which can be used to view the status of, or cancel, an open request.



The *CDES – vendor request submitted* screen.



This task is now complete.

## View the status of, or cancel, a CDES request

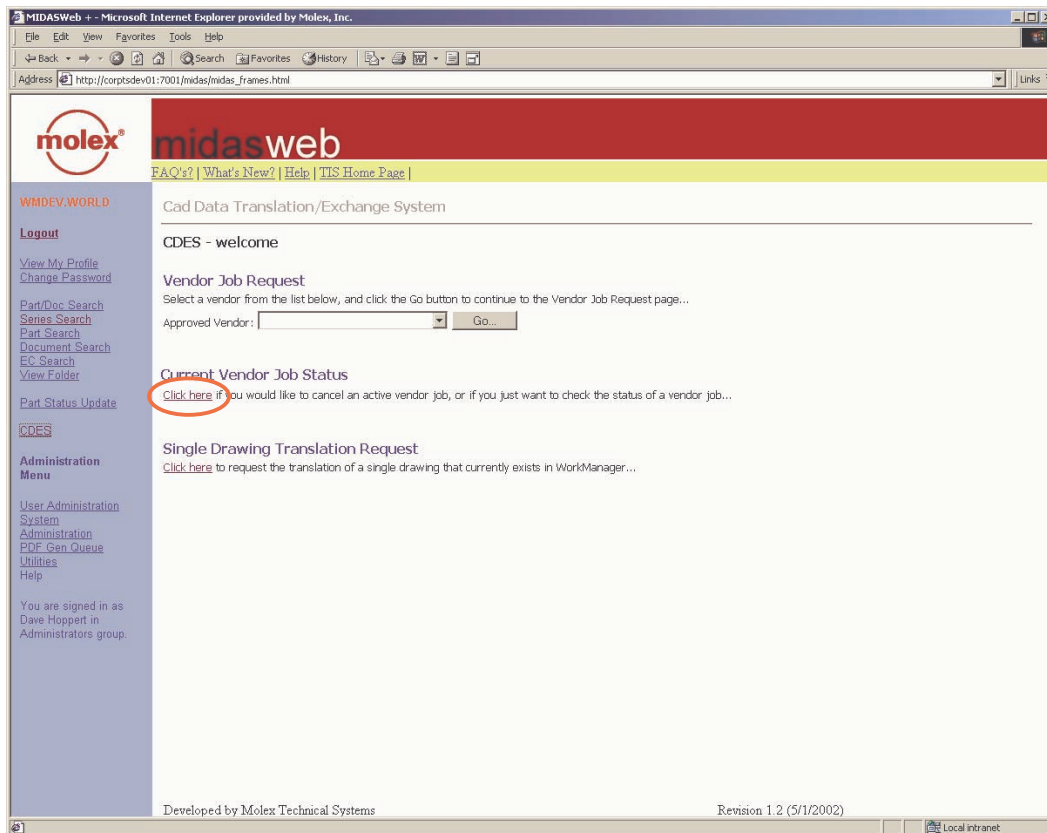
From the CDES menu, you can search for a CDES request, check the status of your requests, and cancel a request.

### 1. Log on to midasweb.

Log on to midasweb and access CDES, as described in [Logon to midasweb](#) on page 3.

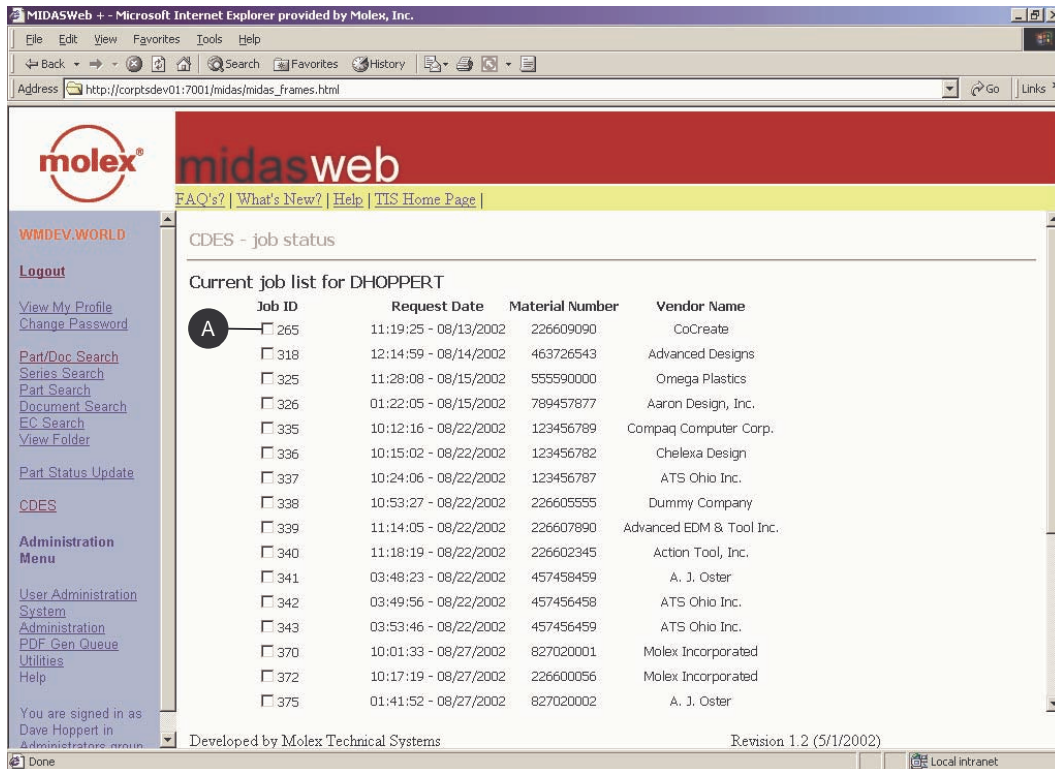
### 2. Execute the status screen.

On the *CDES – welcome* screen, click on the **Current Vendor Job Status** click here hyperlink, as circled below.





The CDES – job status screen is displayed, showing all open jobs for your username.



Job ID	Request Date	Material Number	Vendor Name
<input type="checkbox"/> 265	11:19:25 - 08/13/2002	226609090	CoCreate
<input type="checkbox"/> 318	12:14:59 - 08/14/2002	463726543	Advanced Designs
<input type="checkbox"/> 325	11:28:08 - 08/15/2002	555590000	Omega Plastics
<input type="checkbox"/> 326	01:22:05 - 08/15/2002	789457877	Aaron Design, Inc.
<input type="checkbox"/> 335	10:12:16 - 08/22/2002	123456789	Compaq Computer Corp.
<input type="checkbox"/> 336	10:15:02 - 08/22/2002	123456782	Chelexa Design
<input type="checkbox"/> 337	10:24:06 - 08/22/2002	123456787	ATS Ohio Inc.
<input type="checkbox"/> 338	10:53:27 - 08/22/2002	226605555	Dummy Company
<input type="checkbox"/> 339	11:14:05 - 08/22/2002	226607890	Advanced EDM & Tool Inc.
<input type="checkbox"/> 340	11:18:19 - 08/22/2002	226602345	Action Tool, Inc.
<input type="checkbox"/> 341	03:48:23 - 08/22/2002	457458459	A. J. Oster
<input type="checkbox"/> 342	03:49:56 - 08/22/2002	457456458	ATS Ohio Inc.
<input type="checkbox"/> 343	03:53:46 - 08/22/2002	457456459	ATS Ohio Inc.
<input type="checkbox"/> 370	10:01:33 - 08/27/2002	827020001	Molex Incorporated
<input type="checkbox"/> 372	10:17:19 - 08/27/2002	226600056	Molex Incorporated
<input type="checkbox"/> 375	01:41:52 - 08/27/2002	827020002	A. J. Oster

### 3. Review the job status columns.

New columns to be added to above screen, per Dave – 8/28/02.

### 4. Cancel a job.

Click the checkbox (A) of the job to be cancelled.

Click **Cancel Selected Jobs**.



What happens here?

## Translate a single drawing

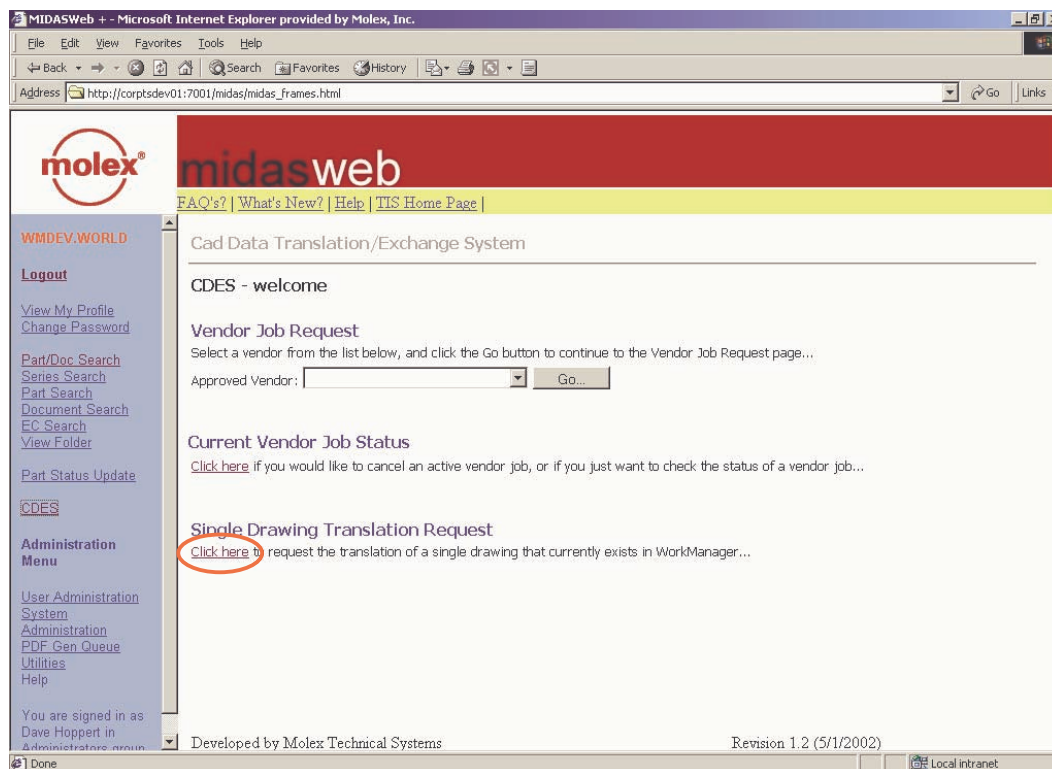
Use this procedure to translate a single AutoCAD drawing that already exists in Work Manager into Me10. This function allows you to enter search criteria to locate a drawing and displays errors on incorrect searches.

### 1. Log on to midasweb.

Log on to midasweb and access to CDES, as described in [Logon to midasweb](#) on page 3.

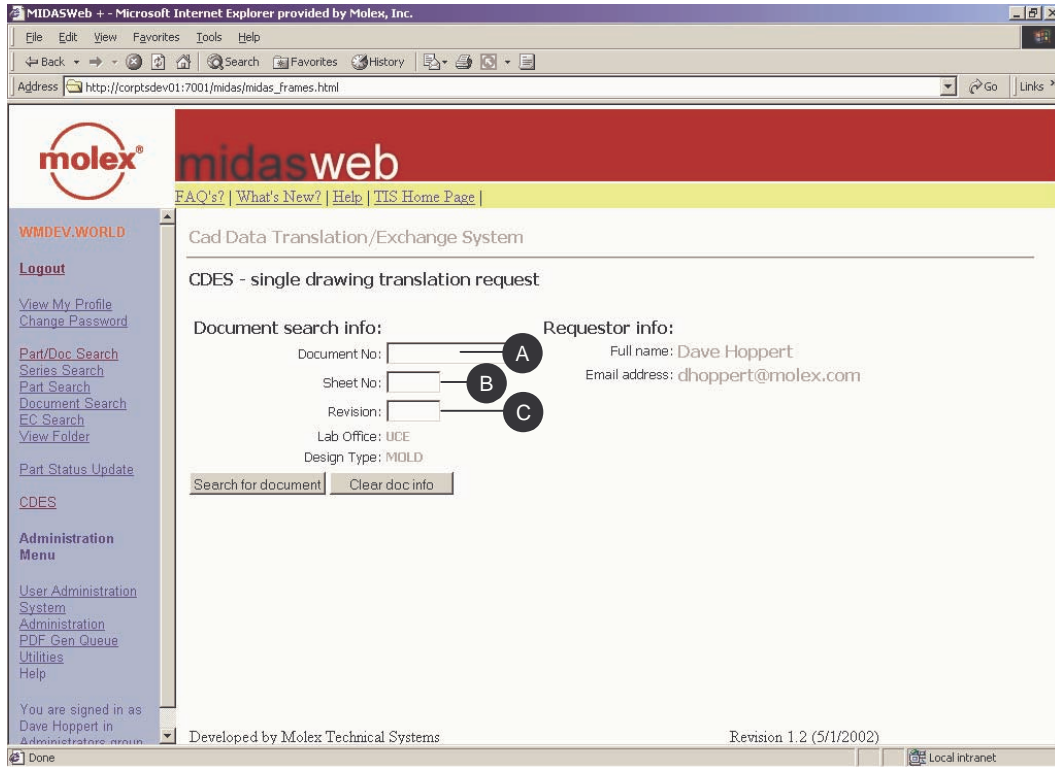
### 2. Execute the single translation transaction.

On the *CDES – welcome* screen, click on the **Single Drawing Translation Request** [click here](#) hyperlink, as circled below.





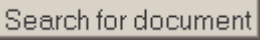
The CDES – single drawing translation request screen is displayed.



### 3. Complete the document search values.

To locate the document to be converted, or confirm and document number, complete the following fields:

Element	Description
A. Document No	Enter a document number appropriate to the AutoCAD drawing class.
B. Sheet No.	Enter a sheet number.
C. Revision	Enter a revision number.

Click .

#### 4. Correct errors, if any.

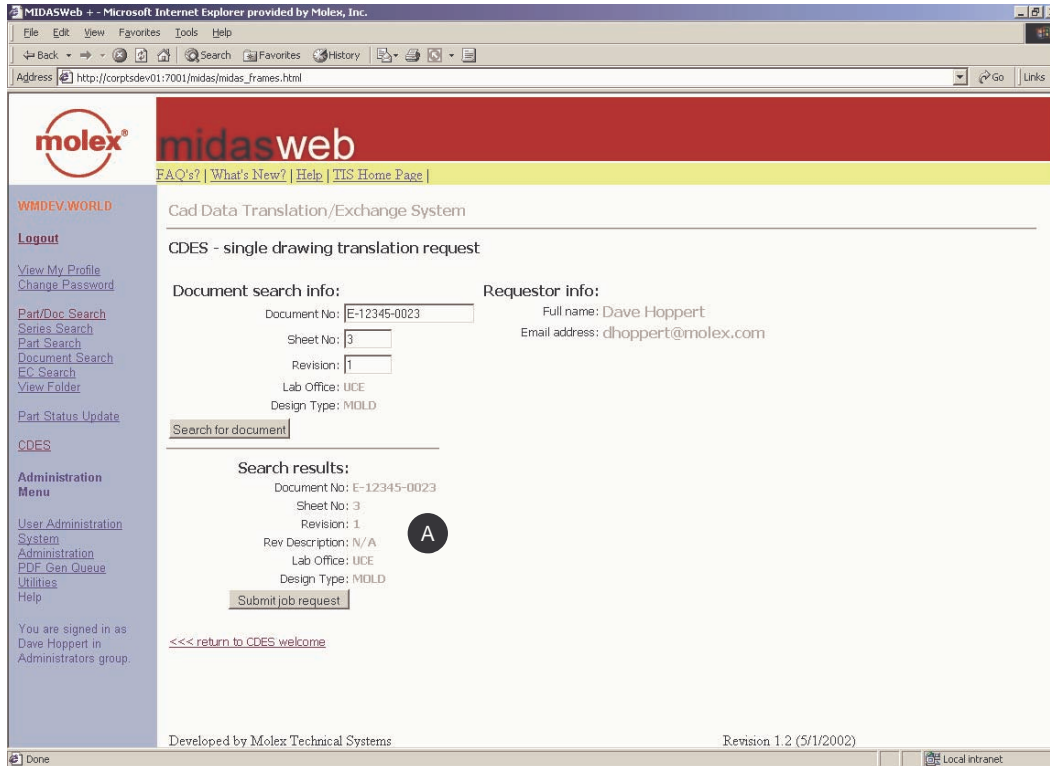
If the document is not found, the following screen is displayed:

Correct the search criteria and re-submit.



## 5. Review the document values.

If the document is located, the following screen is displayed with confirmation values shown (A):



The screenshot shows the MIDASWeb interface in a Microsoft Internet Explorer browser window. The address bar displays [http://corptsdev01:7001/midas/midas\\_frames.html](http://corptsdev01:7001/midas/midas_frames.html). The page features a red header with the "molex" logo and "midasweb" text. Below the header is a navigation bar with links: [FAQ's?](#), [What's New?](#), [Help](#), and [TIS Home Page](#). The main content area is titled "Cad Data Translation/Exchange System" and "CDES - single drawing translation request". It contains two sections: "Document search info" and "Requestor info". The "Document search info" section includes fields for Document No. (E-12345-0023), Sheet No. (3), Revision (1), Lab Office (UCE), and Design Type (MOLD). The "Requestor info" section includes fields for Full name (Dave Hoppert) and Email address (dhoppert@molex.com). A "Search for document" button is located below the search info fields. The "Search results:" section displays the same document information as the search fields, with a circled 'A' next to the "Rev Description: N/A" field. A "Submit job request" button is located below the search results. At the bottom of the page, there is a link: [<<< return to CDES welcome](#). The footer of the page includes the text "Developed by Molex Technical Systems" and "Revision 1.2 (5/1/2002)". The browser status bar at the bottom shows "Done" and "Local intranet".

Review the search results to assure that this is the document to be converted.

Click .

 Get confirmation screen when Dave complete. One chance to submit this. Don't do so until notified by Dave (8/28/02).

☒ This task is now complete.