

**32 SOFT**  
**DATA LOADERS**  
*Productivity Solutions for QAD ERP*

## **14.13.1 Routing Maintenance Data Loader User Guide**



# 14.13.1 Routing Maintenance User Guide

Thank you for your interest in 32 Soft’s productivity solutions for QAD. You are on the path to improved data management and productivity.

This User Guide will show you how to Set Up and Use the 14.13.1 Maintenance Data Loader.

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### DATA LOADERS

We have dozens of  
**DATA LOADERS**  
for every major QAD process

-  Master Data & Inventory
-  Distribution & Supply Chain
-  Finance
-  Production

To browse a complete list of Data Loaders, [click here](#).

# 14.13.1 Routing Maintenance User Guide

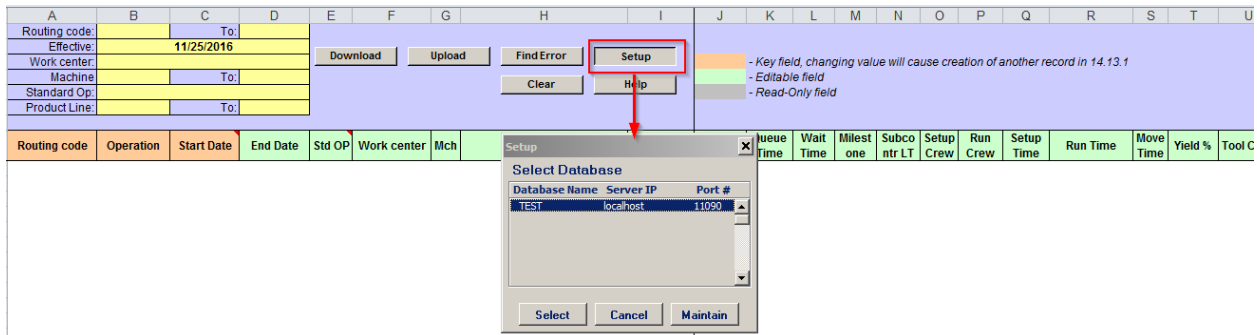
## Overview

Routings define the set of operations required to manufacture a product and include the work centers, machines used, sequence of operations, the tools, the standard hours and set up and run times.

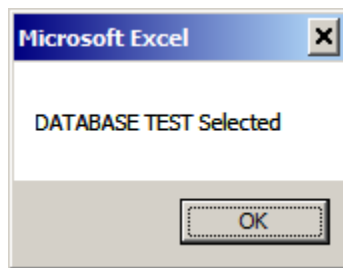
The Routing Maintenance Data Loader is an excellent tool to enter or maintain a large number of routing codes. It is a fast and efficient way to review and edit existing routing codes. You can make desired changes to specific fields without going through each record in the QAD routing maintenance screen (14.13.1).

## Set Up

1. Open up the Loader and check that correct database is set up. Click on [SETUP] button to open up window and highlight correct database. Click on [SELECT] when done.



- Pop Up Window will be displayed showing available databases from which to select.
- Highlight desired database and click on the [SELECT] button
- Message will be displayed showing database selected. Click [OK] to continue.



# Routing Maintenance

1. You can use this Loader to maintain existing Routing records by entering in search criteria in the yellow highlighted fields.

The screenshot shows a software interface for routing maintenance. At the top, there are search criteria fields: Routing code (From: , To: ), Effective (11/25/2016), Work center ( ), Machine ( ), Standard Op ( ), and Product Line ( ). Below these fields are buttons for Download, Upload, Find Error, Setup, Clear, and Help. A legend on the right indicates field types: orange for Key field, green for Editable field, and grey for Read-Only field. Below the search area is a table with columns: Routing code, Operation, Start Date, End Date, Std OP, Work center, Mch, Description, Mch per Operation, Overlap Units, Queue Time, Wait Time, Milest one, Subco ntr LT, Setup Crew, Run Crew, Setup Time, Run Time, Move Time, Yield %, and Tool Co.

## Search parameters are available for the following fields:

- **Routing Code:** enter range of Routing Codes or leave blank for all
  - **Effective:** enter Effective Date or leave blank for all
  - **Work Center:** enter Work Center code or leave blank for all
  - **Machine:** enter range of Machine codes or leave blank for all
  - **Standard Op:** enter Standard Operation code or leave blank for all
  - **Product Line:** enter range of Product Lines or leave blank for all
2. Once Search parameters are entered, select the [DOWNLOAD] button.
    - When Action buttons are selected for the first time, a pop-up window will be displayed for user login. User ID is validated against QAD. Use your QAD user ID and password.

This screenshot shows the same interface as above, but with a "QAD login" dialog box open. The dialog box has fields for "User ID:" (containing "qaduser"), "Password:" (empty), and "Domain:" (containing "QP"). There are "Login" and "Cancel" buttons at the bottom. A red arrow points from the "Download" button in the main interface to the dialog box. The main interface shows a message: "Can't login: User ID does not exist".

- Enter QAD User ID, Password and Domain
- Select [LOGIN] button to continue.

**Please note:** if the provided credentials are incorrect or the user is not authorized to use transactions in menu 14.13.1 in QAD, the database connection will not be established and the QAD login window will continually reappear.

- The Data Loader will display data based on the search criteria. A message will indicate whether a download was successful or not:

This screenshot shows the interface after a successful download. A message at the top says "Downloaded Successfully from eB21SP5 QP". The search criteria fields are the same as in the previous screenshots. The table below shows the following data:

Routing code	Operation	Start Date	End Date	Std OP	Work center	Mch	Description	Mch per Operation	Overlap Units	Queue Time	Wait Time	Milest one	Subco ntr LT	Setup Crew	Run Crew	Setup Time	Run Time	Move Time	Yield %	Tool Co
02-0005	200			INSPEC	INSP		Inspect per procedure	1	1	0.0	0.0	no	0	0.0	1.0	0.0	0.05	0.0	100.00	
02-0005	300			CLEAN	SSM		Clean Equipment		0	0.0	0.0	no	0	0.0	1.0	0.0	0.5	0.0	100.00	
02-0005	777			WELD	FAB1		Weld	1	1	0.0	0.0	yes	0	0.0	1.0	0.25	0.01	0.0	100.00	

- Columns highlighted in orange (see legend) are key fields
- Columns highlighted in green are writable.
- Columns highlighted in grey are read-only.

3. You can update existing routings by entering data in the green highlighted columns:

Routing code	Operation	Start Date	End Date	Std OP	Work center	Mch	Description	Mch per Operation	Overlap Units	Queue Time	Wait Time	Milestone	Subcontract LT	Setup Crew	Run Crew	Setup Time	Run Time	Move Time	Yield %	Tool Co
02-0005	200			INSPEC	INSP		Inspect per procedure	1	1	0.0	0.0	no	0	0.0	1.0	0.0	0.05	0.0	100.00	
02-0005	300			CLEAN	SSM		Clean Equipment	1	2	0.0	0.0	no	0	0.0	1.0	0.0	0.5	0.0	100.00	
02-0005	777			WELD	FAB1		Weld	1	3	0.0	0.0	yes	0	0.0	1.0	0.25	0.01	0.0	100.00	

**Note:** If there are instructions specific to a field, mouse over the field with the comment indicator to see the instructions.

4. When you have finished entering data, select the [UPLOAD] button and the status will appear in a pop up window.

**Note:** Routings changes have been updated in Routing Maintenance screen in QAD (14.13.1)

## New Routing Creation

1. This Data Loader can also be used to create new routings. You can copy an existing routing code (see sample below) or create new routings by manually adding information into a blank line. Enter in new routing code and Operation. You can change any of the fields in the writable columns.

Routing code	Operation	Start Date	End Date	Std OP	Work center	Mch	Description	Mch per Operation	Overlap Units	Queue Time	Wait Time	Milest one	Subco ntr LT	Setup Crew	Run Crew	Setup Time	Run Time	Move Time	Yield %	Tool Co
02-0010	10			INSPEC	INSP		Inspect per procedure	1	1	10.0	0.0	no	0	0.0	1.0	0.0	0.05	0.0	100.00	
02-0010	20			CLEAN	SSM		Clean Equipment	1	1	20.0	0.0	no	0	0.0	1.0	0.0	0.5	0.0	100.00	
02-0010	30			WELD	FAB1		Weld	1	1	30.0	0.0	yes	0	0.0	1.0	0.25	0.01	0.0	100.00	

2. When done entering information, select the [UPLOAD] button to submit to QAD. Status window appears indicating whether upload successful or not.

Routing code	Operation	Start Date	End Date	Std OP	Work center	Mch	Status	Wait Time	Milest one	Subco ntr LT	Setup Crew	Run Crew	Setup Time	Run Time	Move Time	Yield %	Tool Co
02-0010	10			INSPEC	INSP		Validating data...	0.0	no	0	0.0	1.0	0.0	0.05	0.0	100.00	
02-0010	20			CLEAN	SSM		Creating Upload file...	0.0	no	0	0.0	1.0	0.0	0.5	0.0	100.00	
02-0010	30			WELD	FAB1		Processing Row ... 11 Processing Row ... 12 Processing Row ... 13 Loading Routing Data... LOADED SUCCESSFULLY	0.0	yes	0	0.0	1.0	0.25	0.01	0.0	100.00	

3. The new routing can be viewed in QAD 14.13.1 Maintenance screen.

```

mfg@amz32: ~
rwromt.p 1+      14.13.1 Routing Maintenance      11/25/16

Routing Code: 02-0010      ERASER REFILL PACK
Operation: 30      Start Date:      End Date:

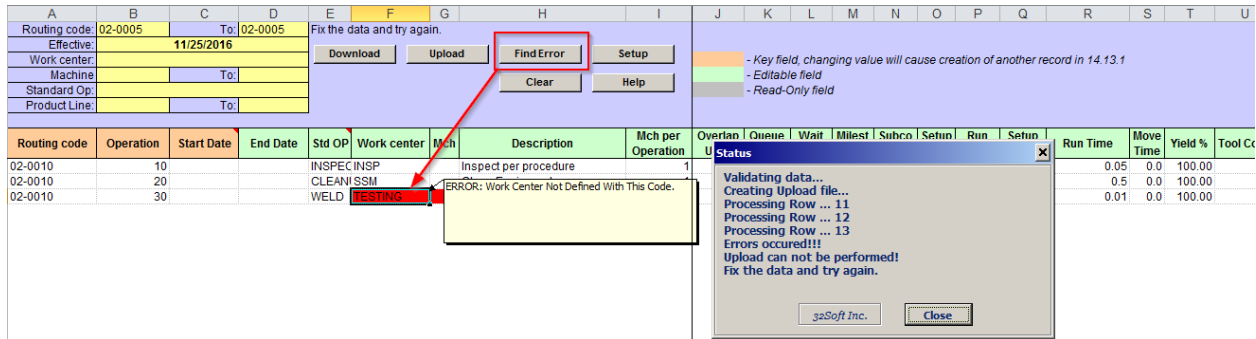
Standard Operation: WELD
Work Center: FAB1      Fab Cell - DRB1
Machine:
Description: Weld
Machines per Operation: 1      Milestone Operation: Yes
Overlap Units: 1      Subcontract LT: 0
Queue Time: 30.0      Setup Crew: 0.00
Wait Time: 0.0      Run Crew: 1.00

Setup Time: 0.25      Tool Code:
Run Time: 0.01      Supplier:
Move Time: 0.0      Inventory Value: 0.00
Start Date:      Subcontract Cost: 0.00
End Date:      Comments: No
Yield Percent: 100.00%

F1=Go 2=Hlp 3=Ins 4=End 6=Mnu 7=Rcl 8=Clr 9=Prev 10=Next 11=Buf
    
```

## Error Checking

When you upload to QAD, a pop-up window will indicate the status of the upload. If there is an error, the cell with the error will be highlighted in red. If you hover over the cell, the reason for the error will be displayed.



Routing code	Operation	Start Date	End Date	Std OP	Work center	Mch	Description	Mch per Operation
02-0010	10			INSPEC	INSP		Inspect per procedure	1
02-0010	20			CLEAN	SSM			
02-0010	30			WELD			TESTING	

- You can use the [Find Error] button to navigate between cells with errors.
- You must correct the error before uploading again. If there is an error in one cell, no records will be uploaded.

## Have Questions? Contact Us.

Now that you know everything is set-up correctly, you are on your way to a more productive QAD experience with Data Loaders! Thank you for your interest.

If you have any questions or need additional help, please do not hesitate to [contact](#) us.