

Modification Description

This eCMS modification provides the ability to import Order Processing data (orders) into the eCMS database. This is an alternative way of inputting data into the Order Processing application.

Six order types are supported for import:

Type 1. Customer Order – The order (transaction) is charged to a customer.

Type 2. Job Order – The order (inventory) is to be charged directly to a job (project) and no income is reported.

Type 3. Customer/Job Order – The order is charged to a job (project) and the job is billed (invoiced) for the inventory used.

Type 4. Department Order – The order is charged to a department and no income is reported.

Type 5. Equipment Order – The order is charged to a piece of equipment and no income is reported.

Type 9. Job @ Price Order – The order (inventory) is to be charged directly to a job (project) at the selling price instead of at cost.

The Order Data Import process has five steps:

- 1. Create an import template.
- 2. Download the template as a spreadsheet.
- 3. Enter order data into the spreadsheet and save it.
- 4. Import order data spreadsheet into eCMS files and resolve errors, if any.
- 5. Process the orders as normal in eCMS.

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Modification System Requirements

Requires eCMS v.4.1 Service Pack 2 Fix Pack 7 or later.

CSP Reference: 1801851 – ISP 180030



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Modification Implementation

Create an Import Template

Menu Path: Admin > Application Installation > Template Setup

The *Import Template Setup* screen allows you to select the fields you want for your template or to create the download spreadsheet to be used to import the data. You must add a template before you can use it for field selection or download.

You can create a single Order Processing Import template with all the columns you need to import any order type you will use. Or, you can create multiple templates, one for each order type or group of order types you will use, which includes only columns specific to those types.

To add new templates or to Edit or Delete existing templates, click the Add Template button to display the Template Name Entry screen.

Import Template	Maintenance				Import Ten	nplate Setup							ITM01
Add Template	Download												^
			Templa	ate Name: Sel	ect aTemplate								
Table Fields							Template Fields						
Selected	Column ¢	Description ¢	Type ¢	Size ¢	Decimal Digits \$		Selected	Column	Description	Туре	Size	Decimal Digits	
						4							
													~
											Exit		
					Pa	ge 4							



Template Name Entry

To create a new template, select the *Table Name* from the dropdown and fill in the *Template Name* and *Template Desc*.

To modify these values or to delete an existing template, click on the Edit icon for the desired template, then make the changes.

Click **Ok** to add or modify the template. The *Template Name* and *Template Desc* will be blanked after a successful add or change.

If removing a template, click **Delete** to delete the selected template. **Note**: All template fields must be previously removed in order to delete.

Click the *Setup* button to return to the *Import Template Setup* screen.

Import Temp	late Maintenance	Template Name Entry	MENU03
Setup			
	Table Name: Order Processing Import Template Name: ORP Import Template Desc: ORP Import	× ×	
Edit	Table ¢	Template \$	Template Desc ¢
	PRTIND	sept1	first templete
	PRTIND	sept2	2nd sept templete
	APTVEN	AP Vendor haa	Ap Vendor haa
	PRTMSTI	Lyle's PR EE Import	Lyle's Payroll Employee Import
Z	APTVEN	AP Vendor Master	AP Vendor Master
	ARTOPCI	ARH	AR Header
J.	CSTTMST	ARCustMstRDB	AR Customer Master - RDB
	APTVEN	AP Vendor DAE	AP Vendor DAE
J.	PRTIND	Cantera	Cantera's timesheets
	PRTIND	Manhattan	M-templete
			Delete Exit Ok 10 V 120

Table Name: Select the import table name from the dropdown to add or change. Select Order Processing Import for this type of template.

Template Name: Enter or change the name for the template. Make it descriptive so you can find it easily.

Template Desc: Enter or change the description for the template. Provide additional descriptive information about the template.



Import Field Selection

An import template requires a definition of what fields are to be included for the import.

Select the desired template from the *Template Name* dropdown.

Import Template Maintenance	Import Templa	te Setup							ITM01
Add Template Download	Template Name: Select aTemplate								^
Table Fields		1	Template Fields						ור
	/pe \$ Size \$ Decimal Digits \$		Selected	Column	Description	Туре	Size	Decimal Digits	-11
									11
		⇒							11
									11
									11
									11
									~
		1					Exit		

The Table Fields and Template Fields lists will be populated after the Template Name is selected.

- The *Table Fields* list will contain all the unselected fields available for the *File Name* that was entered for the import template.
- The *Template Fields* list will contain all the fields that have been selected to be in your template.
- Any column name shown RED on the *Table Fields* list is required to be selected for the import template. The import process will fail if that field is omitted.



To add fields to your import template, check one or more of the *Selected* checkboxes for *Table Fields* columns, then click on the right-pointing arrow button. The selected column(s) from the *Table Fields* list will be moved to the *Template Fields* list.

To remove fields from your import template, check one or more of the *Selected* checkboxes for *Template Fields* then click on the left-pointing arrow button. The selected *Template Fields* will be moved back to the *Table Fields* list.

To change the sequence the *Template Fields*, check one or more of the *Selected* checkboxes for *Template Fields* then click on the up-pointing or down-pointing arrow buttons. The selected field(s) will be moved up or down on the *Template Fields* list.

Import Templ	ate Maintenance			Impor	Template Setup								ľ	TM01
Add Template	e Download													~
-		Template Nam	e: ORP Import	~										
Table Fields								Template Field	s					
Selected	Column ¢	Description \$	Type ¢	Size ¢	Decimal Digits \$	~		Selected	Column	Description	Туре	Size	Decimal Digits	
	ACCOUNTTYPE	Account Type	CHAR	1	0									
	AREACODE	Area Code	DECIMAL	3	0									
	BACKORDERCODE	Back Order Code	CHAR	1	0									
	BILLINGDATE	Billing Date	DECIMAL	8	0									
	BILLTOAR	Bill To A/R	CHAR	1	0									
	BILLTOCUST	Bill To Customer	DECIMAL	5	0									
	CARTONCHG	Carton Charge	CHAR	1	0									
	CASHDISC	Cash Discount	DECIMAL	3	1		\Rightarrow							
	CBDACCOUNT	C.B.D. Account	CHAR	1	0									
	CITYTAXPCT	City Tax %	DECIMAL	7	4									
	CNTYTAXPCT	County Tax %	DECIMAL	7	4									
	CODACCOUNT	C.O.D. Account	CHAR	1	0		- Ţ-							
	COMMITTEDITEM	Committed Item	CHAR	1	0									
	COMMPCT	Commission Percent	DECIMAL	5	2									
	COMPANYNUMBER	Src Com	DECIMAL	2	0									
	COMPONENTNO03	Component No	CHAR	3	0									
	CONVERSIONFACTOR	Conversion Factor	DECIMAL	7	2									
	COSTTYPE	Cost Type	CHAR	1	0									
	COSTVARIANCE	Cost Variance	DECIMAL	9	3									\sim
			050070	17	^	\sim								
											Exi	it		



Here is an example of a *Template Field* list that has been selected and sequenced:

Selected	Column	Description	Туре	Size	Decimal Digits
	COMPANYNUMBER	Src Com	DECIMAL	2	0
	DIVISIONNUMBER	Src Div	DECIMAL	3	0
	ORDERNUMBER	Order No	DECIMAL	6	0
	RECORDCODE	1=Cst	CHAR	1	0
	CUSTOMERNUMBER	Customer No	DECIMAL	5	0
	JOBNUMBER	Job No	CHAR	6	0
	SUBJOBNUMBER	Sub Job	CHAR	3	0
	MORLN	Order Line No	DECIMAL	3	0
	DISTCOMPANY	Dst Com	DECIMAL	2	0
	DISTDIVISION	Dst Div	DECIMAL	3	0
	INVENTORYITEM	Inventory Item	CHAR	1	0
	PARTNUMBER	Part No	CHAR	15	0
	WHSED	Warehouse	CHAR	5	0
	DESC30A	Description	CHAR	30	0
	QTYORDERED	Quantity Ordered	DECIMAL	9	2
	QTYSHIPPED	Quantity Shipped	DECIMAL	9	2
	MUM	U/M	CHAR	2	0
	MUNCS	Unit Cost-Cost	DECIMAL	9	3
	JCDISTRIBTUION	J/C Dist No	CHAR	15	0
	COSTTYPE	Cost Type	CHAR	1	0
	UNITPRICE	Unit Price	DECIMAL	9	3
	GLDEBITACCTNO	G/L Debit Acct	DECIMAL	15	0
	CREDITACCTNO	G/L Credit Acct	DECIMAL	15	0
	EQUIPMENTNUMBER	Equipment No	CHAR	10	0
	WORKORDERNO	W/O No	DECIMAL	6	0
	WRKORDLN	W/O Line No	DECIMAL	3	0
	COMPONENTNO03	Component No	CHAR	3	0
	TYPEOFCOST	Type Of Cost	CHAR	1	0



Download Template as a Spreadsheet

When you are satisfied with your *Template Fields* selection list you are ready to start using the template. To create an excel spreadsheet for the template, click the *Download* button.

· ·	te Maintenance				Import Templa	ate Setu	up							ITM01
Add Template	Download		Template Name: ORP I	mport	×									
Table Fields								Template Fiel	ds					
Selected	Column 🛊	Description +	Type 🛊	Size ¢	Decimal Digits 🛊	•			DIVISIONNUMBER	Src Div	DECIMAL	3	0	
	ACCOUNTTYPE	Account Type	CHAR	1	0	-			ORDERNUMBER	Order No	DECIMAL	6	0	
	AREACODE	Area Code	DECIMAL	3	0				RECORDCODE	1=Cst	CHAR	1	0	
	BACKORDERCODE	Back Order Code	CHAR	1	0				CUSTOMERNUMBER	Customer No	DECIMAL	5	0	
	BILLINGDATE	Billing Date	DECIMAL	8	0				JOBNUMBER	Job No	CHAR	6	0	
	BILLTOAR	Bill To A/R	CHAR	1	0				SUBJOBNUMBER	Sub Job	CHAR	3	0	
	BILLTOCUST	Bill To Customer	DECIMAL	5	0				MORLN	Order Line No	DECIMAL	3	0	
	CARTONCHG	Carton Charge	CHAR	1	0				DISTCOMPANY	Dst Com	DECIMAL	2	0	
	CASHDISC	Cash Discount	DECIMAL	3	1		\Rightarrow		DISTDIVISION	Dst Div	DECIMAL	3	0	
	CBDACCOUNT	C.B.D. Account	CHAR	1	0				INVENTORYITEM	Inventory Item	CHAR	1	0	
	CITYTAXPCT	City Tax %	DECIMAL	7	4				PARTNUMBER	Part No	CHAR	15	0	
	CNTYTAXPCT	County Tax %	DECIMAL	7	4				WHSED	Warehouse	CHAR	5	0	
	CODACCOUNT	C.O.D. Account	CHAR	1	0		*		DESC30A	Description	CHAR	30	0	
	COMMITTEDITEM	Committed Item	CHAR	1	0				QTYORDERED	Quantity Ordered	DECIMAL	9	2	
	COMMPCT	Commission Percent	DECIMAL	5	2				QTYSHIPPED	Quantity Shipped	DECIMAL	9	2	
	CONVERSIONFACTOR	Conversion Factor	DECIMAL	7	2				MUM	U/M	CHAR	2	0	
	COSTVARIANCE	Cost Variance	DECIMAL	9	3				MUNCS	Unit Cost-Cost	DECIMAL	9	3	
	CREDITHOLD	Credit Hold	CHAR	1	0				JCDISTRIBTUION	J/C Dist No	CHAR	15	0	
	CREDITMEMOCODE	Credit Code	CHAR	1	0				COSTTYPE	Cost Type	CHAR	1	0	
	CURRCNVAMT	Curr Conv Amt	DECIMAL	13	2				UNITPRICE	Unit Price	DECIMAL	9	3	
	CURRCNVFCT	Curr Conv Factor	DECIMAL	19	9	~			GLDEBITACCTNO	G/L Debit Acct	DECIMAL	15	0	~

When the downloaded spreadsheet file is opened, the import spreadsheet may display in protected view:

0	PROTECTER	D VIEW Be	e careful—file	s from the	Internet can con	tain viruses.	Unless you	need to edit, it's s	afer to stay i	n Protecteo	View. Enable	Editing								
A1	\bullet : \times \bullet f_x Src Com																			
	Α	В	С	D	E	F	G	Н	I.	J	К	L	М	Ν	0	Р	Q	R	S	
			1												Quantity Ordered					Co

When ready to enter data, click on the "Enable Editing" button at top of spreadsheet (if protected) and begin entering information. Multiple order types can be entered on the same spreadsheet as long as the template has all the fields required by the order types entered.

After entering the order data, save the spreadsheet to a folder accessible to the eCMS database server for imports.



Common Template Fields

The spreadsheet column heading and matching field names for fields commonly used in Order Processing templates are explained in this section. If the field name is RED, it must be included on any and all order processing templates. Other fields may be required, depending on the order type, but can be left off the template if you don't do those order types.

	А	В	С	D	Е	F	G	Н	I.	J	К	L	М	Ν
1	Src Com	Src Div	Order No	1=Cst	Customer No	Job No	Sub Job	Order Line No	Dst Com	Dst Div	Inventory Item	Part No	Warehouse	Description
2	3	23	5388	1	612			1			Y	DRAG PART 2		_
3														
4														

- A. Src Com COMPANYNUMBER: Used in combination with Src Div.
- **B.** Src Div DIVISIONNUMBER: Both Company and Division numbers are required on every line that requires an order number.
- C. Order No ORDERNUMBER: The order number is required on the first line of each order to indicate the start of an order. It does not need to be filled in again for additional lines until a different order is being entered.
 - a. Order Number can be any six-digit number, 1 to 999,999.
 - b. Company, Division, Order Number and Order Line Number must be unique in the import file.
- D. 1=Cst RECORDCODE: Order Type. Value required on every line of an order. Valid Order Types: 1=Customer; 2=Job; 3=Customer/Job; 4=Department; 5=Equipment; 9=Job Order @ Price.
- E. Customer No CUSTOMERNUMBER: A value is required for order types 1, 4 or 5. For order types 2, 3 or 9, the value is pulled from the Job Description file when a value is not provided.
- F. Job No JOBNUMBER: A value is required only when importing an order for a job. If used, it must be on every line and the same for every line on the order.

- **G.** Sub Job SUBJOBNUMBER: The sub job column is needed only if you use non-blank sub jobs on your orders.
- **H.** Order Line No MORLN: The 3-digit order line number is required for every line of an order and must be unique for the order.
- I. Dst Com DISTCOMPANY: Distribution Company. Used in combination with Dst Div.
- J. Dst Div DISTDIVISION: Distribution Division. The distribution company and division values are needed only if different than the source company and division. If you don't use cross-company costing, you can omit these columns from the template.
- K. Inventory Item INVENTORYITEM: Is the Part Number an inventory item? Y = Yes or N = No. Value on every line must by Y or N.
- L. Part No PARTNUMBER: Part Number of the item being ordered is required when an inventory item is ordered.
- **M. Warehouse WHSED**: The warehouse number is needed only if the part is coming from a specific warehouse.
- **N. Description DESC30A**: A description of the part is required if the Inventory item is "N" (not an inventory item).



	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	AA	AB
1	Quantity Ordered	Quantity Shipped	U/М	Unit Cost-Cost	J/C Dist No	Cost Type	Unit Price	G/L Debit Acct	G/L Credit Acct	Equipment No	W/O No	W/O Line No	Component No	Type Of Cost
2	1	1	EA											
3														
4														

- **O.** Quantity Ordered QTYORDERED: Quantity that was ordered.
- P. Quantity Shipped QTYSHIPPED: Quantity that was shipped.
- Q. U/M MUM: Unit of measure.
- **R.** Unit Cost-Cost MUNCS: The unit cost of the item ordered.
 - a. If the item is not an inventory item, a unit cost value must be entered.
 - b. If the item is an inventory item, the unit cost amount will be pulled from the inventory Item Master when the value is blank or zero. Any value entered will override the amount.
- **S.** J/C Dist No JCDISTRIBUTION: When a job number is entered, the job cost distribution number is required to categorize the amount.
- **T. Cost Type COSTTYPE**: The cost type associated with the job cost distribution amount.
- U. Unit Price UNITPRICE: Used only for Type 9, Job Order @ Price, orders. The amount will pull from the item master. Any value entered will override that amount.

- V. G/L Debit Acct GLDEBITACCTNO: When the G/L account number to be debited is not entered, the account number to use will be based on the order type and hierarchy. Any value entered will not be overridden.
- W. G/L Credit Acct CREDITACCTNO: When the G/L account number to be credited is not entered, the account number to use will be based on the order type and hierarchy. Any value entered will not be overridden.
- **X.** Equipment No EQUIPMENTNUMBERD: the number associated with the piece of equipment.
- Y. W/O No WORKORDERNO: The associated equipment work order number.
- **Z.** W/O Line No WRKORDLN: The line number on the work order.
- AA. Component No COMPONENTNO03: The equipment component number.
- **AB. Type of Cost TYPEOFCOST**: The type of cost for the equipment transaction.



Enter Order Data into the Spreadsheet

Some things to remember about the Template Spreadsheet:

- A template spreadsheet is downloaded and saved into a PC or server folder for importing.
 - In order to import the data, the folder must on a PC drive or a network mapped drive.
- Using eCMS Import Template download to create a new spreadsheet is <u>not</u> required for each import.
 - The eCMS template download is needed only if the Import Template definition is changed.
 - The prior spreadsheet can be reused by replacing the data in the spreadsheet with data for the next import.
 - The Import Template download is a convenience. A downloaded spreadsheet template is not required at all, with or without column headings. However, the number of columns and type of data in the spreadsheet must match the Import Template definition.

Some things to remember while entering data into the spreadsheet:

- An order number is only required on the first line of an order.
- Whenever an order number is entered on the spreadsheet, the source company and division must also be entered.
- The Order Type must be entered and must be the same for every line of an order.
- The combination of Source Company and Division, Order Number and Order Line Number must be unique in the import spreadsheet.

Some things to remember about importing the spreadsheet:

- After entering the data, the spreadsheet must be saved before importing the data.
- Imported data without errors for each order are automatically transferred into the eCMS order processing files. Only when there are errors will the data be left in the eCMS import files.
 - If a duplicate order is found, it will be renumbered in the edit program.
 - Corrections to imported data are made using eCMS Import menu options. See the <u>Resolving Import Errors</u> section for details.
- Accounts Receivable tax codes are applied when the order is processed except for Type 4 Department orders, which are not taxed. See the Appendix: Tax Setup Information for details.

Following are examples of entering order data into a spreadsheet for each order type.



Order Type 1: Customer Order

This type of order is charged to a specific customer. It is not related to a job or project.

	Α	В	С	D	E	F	G	Н		J	K	L	М	N
1	Src Com	Src Div	Order No	1=Cst	Customer No	Job No	Sub Job	Order Line No	Dst Com	Dst Div	Inventory Item	Part No	Warehouse	Description
2	3	23	5388	1	612			1			Y	DRAG PART 2		
3														
4														
	0		Р	Q	R	S	Т	U V	N N	N	X Y	Z	AA	AB

1	Quantity Ordered	Quantity Shipped	U/M	Unit Cost-Cost	J/C Dist No	Cost Type	Unit Price	G/L Debit Acct	G/L Credit Acct	Equipment No	W/O No	W/O Line No	Component No	Type Of Cost
2	1	1	EA											
3														
4														

- **D. 1=Cst** Order type is always 1.
- E. Customer No Customer number is required on every line.
- F. Job No and G. Sub Job The job and sub job numbers (project) are ignored and values should not be entered.
- S. J/C Dist No and T. Cost Type The job cost distribution values are ignored and values should not be entered.
- X thru AB. Equipment specific columns are ignored and values should not be entered.
- Other template column requirements are described in the <u>Common Template Fields</u> section.



Order Type 2: Job Order.

This type of order is charged directly to a specific job or project. No income is reported.

	Α	В	С	D	E	F	G	Н	1	J	К	L	Μ	Ν
1	Src Com	Src Div	Order No	1=Cst	Customer No	Job No	Sub Job	Order Line No	Dst Com	Dst Div	Inventory Item	Part No	Warehouse	Description
2	3	23	8912	2	612	72418		1			Y	BELT		
3				2		72418		2			N	MISC PART		MISC EXTRA PART
4				2		72418		3			Y	AC11	32	
5														
6														
				-										

	0	P	Q	R	S	Т	U	V	W	Х	Y	Z	AA	AB
1	Quantity Ordered	Quantity Shipped	U/M	Unit Cost-Cost	J/C Dist No	Cost Type	Unit Price	G/L Debit Acct	G/L Credit Acct	Equipment No	W/O No	W/O Line No	Component No	Type Of Cost
2	1	1	EA		100	M								
3	1	1	EA	11.95	100	M								
4	1	1	EA		100	M								

See the field names and descriptions in the <u>Common Template Fields</u> section of this document for details.

- **D. 1=Cst** Order type is always 2.
- **E. Customer No** Customer number is optional. If blank or zero, the value will be pulled from the Job Description when imported.
- **F. Job No** The job number value is required.
- **G. Sub Job** –The sub job value is required when the sub job is non-blank.
- **S. J/C Dist No** and **T. Cost Type** The job cost distribution and cost type values are required.
- X thru AB. Equipment specific columns are ignored and values should not be entered.

Other template column requirements are described in the <u>Common Template Fields</u> section.



Order Type 3: Customer/Job Order

This type of order is charged to a specific job or project and the job is billed (invoiced) for the inventory used. The job must have been set up for *Customer/Job Order* type of billing. This selection will be used by Order Processing to simultaneously charge a job and bill the customer.

The billing type is defined in Job Cost Setup. To review or setup the job billing information use the eCMS Job Cost Setup menu option.

Menu: J/C > Maintenance > Job Cost Setup

After entering the job or selecting it from the dropdown, press Enter or click the *Job Description* button. Then click on the *General Billing* tab. Refer to the appropriate eCMS documentation to determine the job setup requirements related to this billing type.

Job Cost							Job Descriptio	n Maintenance	Mode: Update	XJC11604	JCPM04 - 1
Job Number:		730	-	Sub Job Numb	er:		_	Description 1:	New Herb House		
General 1	Genera	2 General - Billin	Lien Waiver	Equipment	General Ledger	Collaborator					
	Í	Billing Type:		Job/C	ustomer Order 🔽				Contact		
		Pay When Paid Halt C	ode:	0	<	•		Name:			
		Income Distribution:		100.0	00000			Phone Number:	0 0		
		Income Type:		I	<			Post Burden to T & M:	No		
		Contract Number:		0							
		Auto-create Income D	st:								
								Change Default Equip Dept:			
									- · · · ·		



The job for this example has the *Billing Type* set to **Job/Customer Order**.

	А	В	С	D	Е	F	G	Н	I.	J	К	L	М	Ν	0
1	Src Com	Src Div	Order No	1=Cst	Customer No	Job No	Sub Job	Order Line No	Dst Com	Dst Div	Inventory Item	Part No	Warehouse	Description	Quantity Ordered
2	3	23	5388	3	612	730		1			Y	DRAG PART 2		-	1
3															
4															

	P	Q	R	S	Т	U	V	W	Х	Y	Z	AA	AB	AC
1	Quantity Shipped	U/M	Unit Cost-Cost	J/C Dist No	Cost Type	Unit Price	G/L Debit Acct	G/L Credit Acct	Equipment No	W/O No	W/O Line No	Component No	Type Of Cost	Print Code (
2	1	EA		100	M									
3														
4														

See the field names and descriptions in the <u>Common Template Fields</u> section of this document for details.

- **D. 1=Cst** Order type is always 3.
- **E. Customer No** Customer number is optional. If blank or zero, the value will be pulled from the Job Description when imported.
- **F. Job No** The job number value is required.
- **G.** Sub Job –The sub job value is required when the sub job is non-blank.
- S. J/C Dist No and T. Cost Type The job cost distribution and cost type values are required.
- X thru AB. Equipment specific columns are ignored and values should not be entered.

Other template column requirements are described in the <u>Common Template Fields</u> section.



Order type 4: Department Order

This type of order is charged to a department and no income is reported. The department is determined by the customer master setup.

	А	В	С	D	E	F	G	Н	1	J	K	L	М	Ν	0
1	Src Com	Src Div	Order No	1=Cst	Customer No	Job No	Sub Job	Order Line No	Dst Com	Dst Div	Inventory Item	Part No	Warehouse	Description	Quantity Ordered
2	3	23	5390	4	612			1			Y	DRAG PART 3			1
3															
4															

- 2	Р	Q	R	S	Т	U	V	W	Х	Y	Z	AA	AB
1	Quantity Shipped	U/M	Unit Cost-Cost	J/C Dist No	Cost Type	Unit Price	G/L Debit Acct	G/L Credit Acct	Equipment No	W/O No	W/O Line No	Component No	Type Of Cost
2	· / · · ·	EA					1.11E+13						
3													
4													

- **D. 1=Cst** Order type is always 4.
- **E. Customer No** Customer number is required on every line. This determines the department.
- F. Job No and G. Sub Job The job and sub job numbers (project) are ignored and values should not be entered.
- S. J/C Dist No and T. Cost Type The job cost distribution values are ignored and values should not be entered.
- X thru AB. Equipment specific columns are ignored and values should not be entered.
- Other template column requirements are described in the <u>Common Template Fields</u> section.



Order Type 5: Equipment Order

This type of order is charged to a piece of equipment and no income is reported.

	Α	В	С	D	E	F	G	Н	1	J	K	L	М	Ν
1	Src Com	Src Div	Order No	1=Cst	Customer No	Job No	Sub Job	Order Line No	Dst Com	Dst Div	Inventory Item	Part No	Warehouse	Description
2	3	23	8912	5	612	72418		1			Y	BELT		-
3				5		72418		2			N	MISC PART		MISC EXTRA PART
4				5		72418		3			Y	AC11	32	
5														

	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	AA	AB	
1	Quantity Ordered	Quantity Shipped	ш/м	Unit Cost Cost	.I/C Dist No	Cost Type	Unit Price	G/L Debit Acct	G/L Credit Acct	Fauinment No	W/O No	W/O Line No	Component No	Type Of Cost	
2	1		EA	onn cost-cost	100		Unit The	6.08E+13		BACKHOE	998148		OIL	5	_
3	1	1	EA	11.95	100	M		6.08E+13		BACKHOE	998148	1	OIL	5	
4	1	1	EA		100	M		6.08E+13		BACKHOE	998148	1	OIL	5	
5															
6															

- **D. 1=Cst** Order type is always 5.
- **E. Customer No** Customer number is required except when the Job No is entered. It then defaults to the job customer.
- **F. Job No** and **G. Sub Job** The job and sub job numbers (project) is not required, but can be entered for equipment orders.
- S. J/C Dist No and T. Cost Type The job cost distribution values are ignored and values should not be entered.
- **V. G/L Debit Acct:** When charged to a job, the G/L debit account must be a code 8 account. Otherwise, a code 6 account.
- **X. Equipment No** The equipment number is required.
- Y. W/O No and Z. W/O Line No The associated work order number and line number is required.
- **AA.Component No** The equipment component number.
- AB.Type of Cost The type of cost for the equipment
- Other template column requirements are described in the <u>Common Template Fields</u> section.



Order Type 9: Job @ Price Order

This type of order is charged directly to a specific job or project, the same as Order Type 2, except that only Inventory items are allowed and the amount for the ordered items will charged at the selling price rather than at cost.

- 2	Α	В	С	D	E	F	G	Н	1	J	K	L	М	N	0
1	Src Com	Src Div	Order No	1=Cst	Customer No	Job No	Sub Job	Order Line No	Dst Com	Dst Div	Inventory Item	Part No	Warehouse	Description	Quantity Ordered
2	3	23	5391	9	612	72418		1			Y	DRAG PART 4			1
3															
4															
5															

	Р	Q	R	S	Т	U	V	W	Х	Y	Z	AA	AB	AC
1	Quantity Shipped		Unit Cost Cost	I/C Diet No	Cost Type	Unit Price	G/L Debit Acct	G/L Credit Acct	Equipment No	W/O No	W/O Line No	Component No	Type Of Cost	Print Code
2		EA	Unit COst-COst	100		UnitTrice	U/L DEDIT ACCI	O/L CIEUR ACC	Equipment no		W/O Line No	component no	Type of cost	T Time Code
3														
4														
5														
6														

- **D. 1=Cst** Order type is always 9.
- **E. Customer No** Customer number is optional. If blank or zero, the value will be pulled from the Job Description when imported.
- **F. Job No** The job number value is required.
- G. Sub Job The sub job value is required when the sub job is non-blank.
- K. Inventory Item Required as Y. Only inventory items can be on this type of order.
- **L. Part No** The inventory part number is required.
- U. Unit Price When left blank or zero, the unit selling price will be pulled from the Item Master. Any value entered will override that amount.
- **S. J/C Dist No** and **T. Cost Type** The job cost distribution and cost type values are required.
- **X** thru **AB.** Equipment specific columns are ignored and values should not be entered.
- Other template column requirements are described in the <u>Common Template Fields</u> section.



Import Order Data Spreadsheet

Menu: Imports > Order Processing > Order Import – Template

The Import Template screen allows selection of the template to be imported and the spreadsheet to import.

Import Template	Import Template	importTemplate
Download		
	Table Name: Order Processing Import Template Name: ORP Import Has Column Headings: Yes	
	Add	
	Reset	
		Exit

- Table Name: Click the dropdown to select the Order Processing Import table.
- **Template Name**: Click the dropdown to select the desired template from the list of Order Processing Import templates created.
- Has Column Headings: Column headings in the Import Template spreadsheet are optional. If the spreadsheet you will import has headings, select *Yes*, which will cause the first row to be ignored. If there is no heading row, only data, select *No*.

After selecting the Template Name and options, click the **Add** button to select the spreadsheet to be imported.



Select the Spreadsheet File to Import

In the popup window, navigate to the folder where you saved the Import Template spreadsheet and select the spreadsheet to be imported.

Import Template	Import Template	importTemplate
Download	Table Name: Order Processing Import V Template Name: Order Processing has V Has Column Headings: Yes V Add Upload C:\Users\harnett\Desktop\Order 5391 - 5402 all types for cust doc.xls Cancel	
	Reset	
		Exit

In this example, the folder is C:\Users\harnett\Desktop and the spreadsheet file name is Order 5391 - 5402 all types for cust doc.xls.

To select a different import spreadsheet, click the *Cancel* or *Reset* button, then start again with the *Add* button.

Once the desired spreadsheet has been added, click on the **Upload** button to import the order data into eCMS.

Note: Only one spreadsheet can be selected and processed at a time.



Import the Order Data

When the import is successful, a message indicating the number of records imported will be displayed in the message box. If unsuccessful, an error message will indicate the problem. Clicking the **Reset** button will allow selection of another import spreadsheet file to **Add**.

Import Template	Import Template		importTemplate
Download			7
	Table Name: Order Processing Import		
	Template Name: Order Processing haa 💙 Has Column Headings: Yes 💙		
	- Add	× Clear All	
	C:\Users\harnett\Desktop\Order 5391 - 5402 all types for cust doc.xls Done	Clear	
			-
			-
	20 records were imported!	$\langle \rangle$	
	Reset		
			Exit

In this example, the message "20 records were imported!" indicates a successful download. Some examples of error messages are:

Incorrect Template or Spreadsheet

- Please select a table and a template from the list before uploading a file.
- Please select a valid file type.
- # of Columns in Spreadsheet does not match the # of columns in the template!

Incorrect Spreadsheet Data

- Error at A1; Value is larger than template field size. Allowed 2 and actual 7.
- Failed to import records. Msg: [SQL0104] Token , was not valid. ...
- 0 records were imported!



Here is a sample of the **Order Import Edit** spool file that is created showing the data that was imported.

	23/2018		P348			rt Edit				ME 13.11 2	
rder #	Order Code Part Number		Description	Equip No / Eq W/O				Order Date Ship Date	Ticket No Ordered	Adj Type Non Inv	Tax Code
	G/L Debit		G/L Credit	Job/Sub		Distributio	DD CT	anip bace	ordered	NOII IIIV	
005391		00611	Bluesville Building	000/000	0000	Diberibaci		09/23/2018		0	
	DRAG PART 10		DRAG PART TEN					09/23/2018	1.00	N	030 051
	0500.00011.000		0149.00000.000	72448	100.		М				
	DRAG PART 11		DRAG PART ELEVEN						1.00	N	030 051
	0500.00011.000		0149.00000.000	72448	100.		М				
005392	5-Equipment	00611		LADDER TR2				09/23/2018		0	
	DRAG PART 10		DRAG PART TEN	999118	OIL	1		09/23/2018	1.00	N	000 000
	0608.00000.000		0149.00000.000	72448	100.		N				
	DRAG PART 11		DRAG PART ELEVEN	999118	OIL	1	N		1.00	N	000 000
005393	0608.00000.000	00611	0149.00000.000 Bluesville Building	72448	100.		N	09/23/2018		0	
005393	DRAG PART 10	00611	DRAG PART TEN					09/23/2018	1.00	N	030 001
	0500.00011.000		0149.00000.000	72418	100.		м	03/23/2010	1.00		030 001
	DRAG PART 11		DRAG PART ELEVEN	12410	100.				1.00	N	030 001
	0500.00011.000		0149.00000.000	72418	100.		м				
005394	5-Equipment	00611	Bluesville Building	BACKHOE				09/23/2018		0	
	DRAG PART 10		DRAG PART TEN	998148	OIL	1		09/23/2018	1.00	N	000 00
	0608.00000.000		0149.00000.000	72418	100.		N				
	DRAG PART 11		DRAG PART ELEVEN		OIL	1			1.00	N	000 00
	0608.00000.000		0149.00000.000	72418	100.		N				
005395		00612	Bluesville Construction					09/23/2018		0	
	DRAG PART 10		DRAG PART TEN					09/23/2018	1.00	N	030 05
	0500.00011.000		0149.00000.000	72448	100.		М			N	
	DRAG PART 11 0500.00011.000		DRAG PART ELEVEN 0149.00000.000	72448	100.		м		1.00	N	030 05
	5-Equipment	00612	Bluesville Construction	LADDER TR2	100.		м	09/23/2018		0	
005550	DRAG PART 10	00012	DRAG PART TEN		OIL	1		09/23/2018	1.00	N	030 01
	0608.00000.000		0149.00000.000	72448	100.	-	N	05/25/2010	1.00		000 01
	DRAG PART 11		DRAG PART ELEVEN	999118	OIL	1			1.00	N	030 01
	0608.00000.000		0149.00000.000	72448	100.		N				
005397	2-Job	00612	Bluesville Construction					09/23/2018		0	
	DRAG PART 10		DRAG PART TEN					09/23/2018	1.00	N	030 00
	0500.00011.000		0149.00000.000	72418	100.		М				
	DRAG PART 11		DRAG PART ELEVEN						1.00	N	030 00
	0500.00011.000		0149.00000.000	72418	100.		М				
002338	5-Equipment DRAG PART 10	00612	Bluesville Construction DRAG PART TEN	BACKHOE 998148	OIL	1		09/23/2018	1.00	0 N	030 01
	0608.00000.000		0149.00000.000	72418	100.	1	м	09/23/2018	1.00	N	030 01
	DRAG PART 11		DRAG PART ELEVEN	998148	OIL	1	м		1.00	N	030 01
	0608.00000.000		0149.00000.000	72418	100.	1	м		1.00	14	030 01
	1-Customer	00612	Bluesville Construction	12410	100.			09/23/2018		0	
	DRAG PART 2	00012	PART 2 FOR DRAGADOS TEST					09/23/2018	1.00	N	030 01
	0110.00000.000		0149.00000.000								
005400	3-Cust/Job	00612	Bluesville Construction					09/23/2018		0	
	DRAG PART 2		PART 2 FOR DRAGADOS TEST					09/23/2018	1.00	N	030 01
	0500.00011.000		0149.00000.000	730	100.		М				
005401	4-Department	00612	Bluesville Construction					09/23/2018		0	
	DRAG PART 3		PART 3 FOR DRAGADOS TEST					09/23/2018	1.00	N	030 01
	0111.00000.000		0149.00000.000					/ /			
005402	9-Job/@Price	00612						09/23/2018		0	
	DRAG PART 4		PART 4 FOR DRAGADOS TEST					09/23/2018	1.00	N	030 00



For orders imported without data errors, the data is automatically transferred into the eCMS Order Processing database files. These database files are:

- ORPORD Open order control file
- ORTMCT Order Header
- ORTMDT Order Item Detail
- ORPMOI Order Instructions
- ORTMDI Item Description

After successful order data import, process the orders as normal in eCMS.

When data errors are found for an order in the import, the errors must be resolved as described in the Resolving Import Errors section below. The imported data remains in database import work files. These database files are:

- ORTICT O/E Import Invoice Control Table
- ORTIDI Order Processing Import Item Description
- ORTIDT O/E Import Item Detail Table
- ORTIOI Order Processing Import Order Instruction



Resolve Import Errors

Even though one or more orders are successfully imported, there can still be errors in the data that was imported.

The Order Import Edit report shows any error messages. The report is a spool file with User Data "ISP348", which is the report program.

Here is a sample of an order imported with errors.

		03 023 QA Fix4	1002				
TE 09/23/2018	ISP348	Ord	er Import Edit		TI	ME 13.29 2	PAGE
rder # Order Code	Cust No/Name	Equip No /	Description	Order Date	Ticket No	Adj Type	Tax Codes
Part Number	WH Description	Eq W/O	#/CMP/Line #	Ship Date	Ordered	Non Inv	
G/L Debit	G/L Credit	Job/Sub	Cost Distribution CT	-			
005403 2-Job	00612 Bluesville Construction			09/23/2018		0	
DRAG PART 3	PART 3 FOR DRAGADOS	TEST		09/23/2018	1.00	N	030 001
0000.00000.000	0149.00000.000	72418					
ERROR MESSAGE Inv	alid Cost Distribution						
ERROR MESSAGE Inv	alid Debit G/L Number						
ERROR MESSAGE Inv	alid Debit Application Code						



Order Import Maintenance

Imports > Order Processing > Order Import Maintenance

The Order Import screen is displayed for selecting the order to be maintained.

Enter the order number or use the dropdown to select it then press *Enter* or click **OK** to display the **Control Screen** for the order.

Integration Suite			Order Import	ISP34601		
	Company 3	Division 23 <	Order Number 5403			
				Exit	Ok	

In this example, order number 5403 in company/division 3/23 is selected.



The *Control Screen* is displayed for the selected order.

To delete the order, click the **Delete** button. The order can then be re-entered or re-imported with the corrected data.

To make corrections, press Enter or click the **OK** button. The Order Type **Detail Screen** will be displayed.

Import No. Order Code Order Type Customer No. Job Number Sub Job Co Div 5403 2 Job Order 612 72418 3 3 28	Integration Suite			Control Screen				ISP34602	
			Order Type Job Order		Sub Job	Co	Div		
Previous Delete Exit Ok					Provinue	Delata	Evit	Ok	ה



Make any changes necessary to the fields shown on the **Detail Screen** and press Enter or click **OK** to save the changes, if any. The **Order Detail** screen, which shows the lines of the order, will then be displayed.

Integration Suite				Job Order - Detail Screen		ISP3463B	
	Customer 612	Import Number 5403		Job Number 72418	Operator		
	Ship To: < Bluesville Construction Bluesville CA 91333		Bill To: Bluesville Constru Bluesville CA 91333	ction	Date Ordered	Date Date Shippped 09/23/2018	
	Order Type	Req/Tck No.	Adj Type	Bin Location	Tax CodeState130	Taxes Local	
	Cost Distribution	CT <	WH B/O	Ship Via	Requisitioner		
							_
					Previou	is Exit Ok	

The order in this example is a Type 2 Job Order.



The lines of the order are shown on the *Order Detail* screen.

Integratio	n Suite							Order Detail				ISP34	6C12			
Del Inv	Wh	Part	Description	Qty Ordered	Qty Shipped	C ST U/M	Unit Cost	Job Number Sub Job	Cost Distribution	СТ	Bin Loc	G/L Debit		G/L Credit	Item Class	s Inst N/C
		DRAG PART 3 <	PART 3 FOR DRAGADOS TEST	1.00	1.00		65.330	72418		<		0000.00000.000	<	0149.00000.000 <	0	
												Dr	evious	Ok		

In this example, there was only one line on the order. It is shown here as it was imported: The Cost Distribution, Cost Type and G/L Debit account are missing.



Make any changes necessary to correct the data for the order lines.

Press *Enter* or click **OK** to save the changes, if any. The changes will be saved and you will be returned to the **Order Import** selection screen.

Integratio	n Suite							Order Deta	ail				ISP346	iC12				
Del Inv		Part DRAG PART 3	<	Description PART 3 FOR DRAGADOS TEST	Qty Ordered	Qty Shipped	Unit Cost 65.330	Job Number 72418		Cost Distributio	CT M <	Bin Loc	G/L Debit	«	G/L Credit 0149.00000.000	<	Item Class	s Inst N/C
													Pre	vious	Ok			

In this example, valid *Cost Distribution* and *CT* (Cost Type) values were entered and the *G/L Debit* account number was cleared. Now that the cost distribution information has been provided, the *G/L Debit* account number will self-populate.



Order Import Edit

Imports > Order Processing > Order Import Edit

Run the Order Import Edit report again to ensure the errors have been resolved. This is the same report that is created when you import the spreadsheet.

Enter any Report selections you normally use and press *Enter* or click **OK** to run the report.

	Report Selections	ISP00201
Outq/Hold/Save		
Job Queue		

View the spool file of the report to ensure all errors have been resolved.

ATE 09/24/2018			rder Import Edit		11	ME 13.42 1	PAGE
Order # Order Code Part Number G/L Debit	Cust No/Name WH Description G/L Credit	Equip No	/ Description D #/CMP/Line #	Order Date Ship Date CT	Ticket No Ordered	Adj Type Non Inv	Tax Codes
005403 2-Job 0 DRAG PART 3	0612 Bluesville Construction PART 3 FOR DRAGADOS TE	ST		09/23/2018 09/23/2018	1.00	0 N	030 001
0500.00011.000	0149.00000.000	72418	100.	М			

In this example, there a no longer any errors for the order.



Order Import Update

Imports > Order Processing > Order Import Update

After the order errors have been corrected, run the **Order Import Update** process to transfer the order into the eCMS Order Processing files. This step completes the process normally done by Import Order Data spreadsheet for the corrected orders.

Enter any Report selections you normally use and press *Enter* or click **OK** to finish the order data import.

	Report Selections	ISP00201
Outq	/Hold/Save	
Job Q	nene	

After the import update process completes, the order data will have been transferred into the eCMS Order Processing database files.



Process the Orders as Normal in eCMS

Now that the order data has been successfully imported into the eCMS database, follow the normal Order Processing procedure in **Ord Proc** > **Processing** to process the order.

- Order Entry 1 Entry
- Order Entry 2 Maintenance
- Order Entry 3 Print Pick Slips
- Order Entry 4 Order Release
- Order Entry 5 Print BO/BL Pick Slips
- Order Entry 6 Invoice Release
- Order Entry 7 Invoice Release by Order Date