File Transfer Specs

Eclipse allows the transfer of data from and back to other computers or mainframes. Importing data requires that information only be entered once, saving time and money. This document addresses what is required for importing files into the Eclipse program and provides samples of various import files. It also addresses exporting production results back to upstream systems.

Data can be transferred between other software and Eclipse via ASCII files. Order files, Part Definition files, Bundle files, Coil Data files, Material Definition files, Product Code Definition files, and Customer information files are transferred to Eclipse via respective "DEL" files (OrderIn.DEL, Partin.DEL, BundleIn.DEL, CoilIn.DEL, Materialin.DEL, PCodein.DEL, and Customer.DEL).

Eclipse automatically inputs these files from designated directories. File names may be located in any directory as designated by the Import/Export Settings of the Settings form (found under Maintenance in Eclipse).

The files are composed of coma delimited-field records. Each record must be terminated with a line feed and carriage return symbol and each individual field must be separated by a comma. Character fields are further delimited with double quotes. Each has a size limitation which is specified in this appendix. If a field is not needed, place a set of double quotes between the commas to express an empty field. If trailing fields of the message are not needed, they may be left blank.

File Import

Eclipse searches for import files at predetermined intervals as programmed in the "Settings" form found under the "Maintenance" menu bar. When a new file is detected in the directory, the information in the file will be read into Eclipse and the file will be deleted.

The following procedure *must be* adhered to when using the file import.

Eclipse may be interfaced through a wide range of software and hardware while performing file imports. In order to eliminate potential problems with data transfer, duplication, or loss, adhere to the following procedure.

- Buffer your data in a temporary file.
- Check for the existence of the last import file that was created. If it exists, Eclipse has not read it in yet so you must try later or write a different file name. Eclipse does support the "?" and "*" wildcards in the file names specification located in the "Settings" form.

- **Do not modify existing import files!**

  If you MUST modify an existing import file (NOT RECOMMENDED), rename it, make the necessary changes, and rename it back.

- If the previous file no longer exists, copy or rename your buffer file.

Copies of all import files can be saved to the Windows Temp directory if the option is selected. This option may be selected in the Import / Export tab of the "Settings" form under the Maintenance menu of Eclipse. The file names will begin with "D" followed by 7 numbers. The following extensions will be used to identify the appropriate files:

"**ORD**" for Orders "**PRT**" for Parts "**COI**" for Coils

"**BND**" for Bundles "**CUS**" for Customers "**MAT**" for Materials

"**PCD**" for Product Codes

File Export

Eclipse uses the same procedure for exporting production data as it uses for importing files.

- All data is buffered in a temporary file.
- The existence of the last export file is checked for. If it exists, data is kept in the buffer.
- If the last export file no longer exists, the buffer file is copied to the export file.

ORDERIN.DEL

Field Name	Type	Size	Notes
Order Number	Character	18 or 15 20	15 if controller is using Product Codes 20 if XL200 UART 3.03 controller
Material	Character	20 or 18 20	18 if controller is using Product Codes 20 if XL200 UART 3.03 controller
Product Code	Character	5 or 20	20 if XL200 UART 3.03 controller
Bundle	Numeric	3	
Quantity	Numeric	4	
Height	Numeric	7,3	Example 123.12
Width	Numeric	7,3	Example 123.12
Velocity	Character	1	'N' = No Insullation 'H' = High 'L' = Low 'S' = Special
Connector	Character	1	'N' = None 'D' = Drive Cleat 'T' = Transverse Duct Flange
Hgt & Wth Holes	Character	2	Example '12' where 1 = 1 height hole and 2 = 2 width holes
Part Type	Numeric	1	0 = Four Piece 1 = L Shaped 2 = U Shaped 3 = Full Wrapper 4 = Shear Only
Lock	Numeric	2	Example 12
Message	Character	40	
Bundle Label	Character	254	Reserved – Not Used
Part Label	Character	254	Reserved – Not Used
Kit Name	Character	24	Only used if importing Kit definitions
Item_ID	Character	22	Required when using action codes Should be unique for each item in an order
Action	Character	1	'A' = Add 'C' = Change 'D' = Delete 'Q' = Sequenced
Schedule	Date	8	
Machine	Number	2	
User1	Character	254	
User2	Character	254	
Part Format Name	Character	12	Specifies predefined format by name

Bundle Format Name	Character	12	Specifies predefined format by name
User3	Character	254	
User4	Character	254	
User5	Character	254	
Bundle Code	Character	15	
No Material Substitutes	Logical	1	T or F (no quotes)

Examples of “ORDERIN.DEL” file

BUNDLEIN.DEL

Field Name	Type	Size	Notes
Order	Character	20, 18 or 15	See ORDERIN.DEL spec
Material	Character	20 or 18	See ORDERIN.DEL spec
Product Code	Character	5 or 20	See ORDERIN.DEL spec
Bundle	Numeric	3	
User1	Character	254	
User2	Character	254	
User3	Character	254	
User4	Character	254	
User5	Character	254	
Bundle Label	Character	254	Reserved – Not Used
Part Label	Character	254	Reserved – Not Used
Kit Name	Character	30	Only used if importing kit definitions
Bundle Format Name	Character	12	*Specifies predefined format by name
Part Format Name	Character	12	*Specifies predefined format by name
Cust Name	Character	30	*Customer Name
Cust Address 1	Character	254	*Customer Address 1
Cust Address 2	Character	254	*Customer Address 2
Cust City	Character	254	*Customer City
Cust State	Character	2	*Customer State
Cust Zip	Character	10	*Customer Zip Code
Cust Country	Character	3	*Customer Country Abbr.
Cust Inst	Character	254	*Special Shipping Instructions
Staging Bay	Character	10	*Staging bay location for end product
Loading Dock	Character	10	*Defines loading dock for end product
Work Order	Character	18	*Customer defined field
Truck Number	Character	12	*Defines outbound truck/route number
Required Date	Character	8	*Date required at customer location MM/DD/YY
Product Group	Character	20	*Defines a Product Code group
Hold	Logical	1	T or F (no quotes)

NOTES:

- If Bundle = 0, then User1 through User5 applies to the specified order.
- If Bundle ≠ 0, then User1 through User5 applies to the specified bundle.

- The Bundle file must be presented at the same time as the ORDERIN file to insure proper processing.

* These fields are entered or downloaded on a per order basis. (Bundle = 0)

Example of BUNDLEIN.DEL file

“081-00795”,”48RED024”,”PCODE”,0

COILIN.DEL

Field Name	Type	Size	Notes
Action	Character	1	'A' = Add Coil 'C' = Change Coil – leave all unchanged fields empty 'D' = Delete Coil
Coil Number	Character	16	
Description	Character	40	
Date In	Character	10	
Date Out	Character	10	
Start Length	Character	8	Example 12345678
Length Used	Character	8	Example 12345678
Status	Character	1	I = Incomplete C = Complete
Vendor Name	Character	30	
Material	Character	20 or 18 20	18 if controller is using Product Codes 20 if XL200 UART 3.03 controller
Type	Character	10	
Cost Per Lb.	Character	7	Example 1234.1234
Nex Scrap	Character	9	Non-exempt scrap (eg. Plant fault) Example 1234.1234
Ex Scrap	Character	9	Exempt scrap (eg. Supplier fault) Example 1234.1234
Other Adjust	Character	9	Other adjustments (eg. testing) Example 1234.1234
Start Weight	Character	10	Example 12345.1234
Heat Number	Character	20	
Vendor Code	Character	16	
Purchase Order	Character	10	
Storage Location	Character	20	

Example of COILIN.DEL file

"A","985612-023","48-in wide painted","08/10/98","","3500","","I","USS","48RED024","","2.50"

CUSTOMER.DEL

Field Name	Type	Size	Notes
Action	Character	1	'A' = Add Customer 'C' = Change Customer – leave all unchanged fields empty 'D' = Delete Customer
Customer Code	Character	11	
Customer Name	Character	30	
Customer Address 1	Character	30	
Customer Address 2	Character	30	
Customer City	Character	30	
Customer State	Character	2	
Customer ZIP	Character	10	
Customer Country	Character	3	
Shipping Instructions	Character	30	
Reserved	Character	1	
Max Bundle Weight	Numeric	4,0	
Delivery Phone	Character	30	
E-mail address	Character	100	

Note: These items will be added to a customer table that can be automatically recalled by associating the customer code to an order.

Example of CUSTOMER.DEL file

"1","XYZ-100","XYZ Company","555 Hansbrough","Suite-K","RoundRock","MO","55555","USA","YellowFrt"

MATERIALIN.DEL

Field Name	Type	Size	Notes
Action	Character	1	'A' = Add Material 'C' = Change Material – leave all unchanged fields empty 'D' = Delete Material
Material	Character	20	18 if controller is using Product Codes 20 if XL200 UART 3.03 controller
Gauge	Numeric	2	
Thickness	Numeric	6,4	
Width	Numeric	6,3	
Color	Character	20	
Type	Character	10	
Cover	Numeric	7,3	
Description	Character	40	
Lb/Ft	Numeric	7,3	
Cost/Lb	Numeric	7,2	
Normal Length	Numeric	9,3	
Reorder	Numeric	6	
Blank Sheet	Logical	1	Reserved – Not Used
Blank Material	Character	1	Reserved – Not Used

PCODEIN.DEL

Field Name	Type	Size	Notes
Action	Character	1	'A' = Add Product Code 'C' = Change Product Code – leave all unchanged fields empty 'D' = Delete Product Code
Machine	Numeric	3	
Product Code	Character	5 or 20	See ORDERIN.DEL spec
Description	Character	30	
Finished Width	Numeric	8,3	Reserved – Not Used
Staging Bay	Character	10	
Loading Dock	Character	10	
Hole Spacing	Numeric	8,3	Reserved – Not Used
Calculate Length	Logical	1	Reserved – Not Used
Hole Count	Logical	1	Reserved – Not Used
Target Rate	Numeric	4	
Coil Change Minutes	Numeric	6,3	
Tool Change Minutes	Numeric	6,3	
Tool Library	Character	25	
Setup Library	Character	25	
Custom List	Character	40	
Axis Library	Character	25	
Preferred Machine	Logical	1	T or F (no quotes)
Setup Instructions	Character	250	
Leg Height	Numeric	8,3	Reserved – Not Used
Product Group	Character	20	

Example of PCODEIN.DEL file

ProdOut.del

Eclipse Field (Name)	Type	Size	Notes
Type	C	1	1=General Production Record 2=Coil Change 3=Machine Started 4=Controller Turned On 5=Job Request 6=Controller Fault 7=Delay 8=Query List S=Start of Shift E=End of Shift G=General Feedback Record
Date	C	10	MM/DD/YYYY Date record created at Controller
Machine	N	2	Unit number of controller (1-30)
Time	C	8	HH:MM:SS Time record created at the controller
Order Number	C	20	15 if controller is using Product Codes 20 if XL200 UART 3.03 controller
Bundle	N	3	Current bundle or lift (0 to 900) (900-999 refer to scrap codes)
Quantity	N	4	Number of pieces produced in this record
Part Type	Numeric	1	0 = Four Piece 1 = L Shaped 2 = U Shaped 3 = Full Wrapper 4 = Shear Only
Height	Numeric	7,3	
Width	Numeric	7,3	
Lock	Numeric	2	
Velocity	Character	1	'N' = No Insullation 'H' = High 'L' = Low 'S' = Special
Connector	Character	1	'N' = None 'D' = Drive Cleat 'T' = Transverse Duct Flange
Hgt & Wth Holes	Character	2	Example '12' where 1 = 1 height hole and 2 = 2 width holes

Eclipse Field (Name)	Type	Size	Notes
InvCoil	C	16	Current coil inventory number
Footage	N	14,3	**For Type 1 and Reason <> "X":** Length run in inches since last type "1" **For Type 1 and Reason = "X":** Always zero.
Reason	C	3	**For Type 1:** 'B' = Bundle halt 'O' = Out-of-orders halt 'C' = End of Coil 'H' = Manual halt 'I' = Inter-item, no halt 'M' = Manual shear, no halt 'P' = XL100/XL200 power off 'T' = Tolerance halt 'E' = Coil-end-point halt 'X' = Decrement quantity 'Y' = Increment quantity 'R' = Remake 'Z' = Coast to stop **For Type 2:** 'L' = Load coil 'D' = Delete coil 'R' = Return coil to inventory **For Type 8:** 'Q' = Query list **For Type G:** 'R' = Order returned for changes 'D' = Order is done 'I' = Order added by importing 'M' = Order sent to controller 'S' = Order started 'U' = Order recalled from controller 'X' = Order deleted in import 'C' = Coil inventory update **For Type E and S:** 'H' = Runtime record 'R' = Downtime record
Minutes	N	13	Date and time converted to minutes since Jan. 1, 1980
Material	C	20	18 if controller is using Product Codes 20 if XL200 UART 3.03 controller
Scrap Code	N	3	**For Type 1:** Scrap code as defined by user if

Eclipse Field (Name)	Type	Size	Notes
			Footage – Total Length <> zero
Employee ID	N	7	
Name	C	30	Employee name
Lb. / Ft	N	7,3	Weight per foot of material specified in order
Delay Code	N	2	
Delay Reason	C	30	
Duration	N	8	**For Type 1, 3, 7 and E:** Time in minutes since last type 1, 3, or 7 production message. Used for Runtime, Downtime and Exempt Time.
Item ID	C	22	Identifier of item if item_id was sent to Eclipse – this value should relate back to your back-end system (AS400, etc.)
Product Code	C	20	20 if XL200 UART 3.03 controller
Cost Per Lb.	N	7,2	Cost per pound of material specified in order
Customer Name	C	30	
Order Type	C	1	Reserved – Not Used
Hole Count	N	4,0	Reserved – Not Used
Hole Offset	N	8,3	Reserved – Not Used
Work Order Nbr	C	18	
List ID	N	10	**For Type 8 only:** Query list ID
List Text	C	40	Reserved – Not Used

Expanded ProdOut.del

Eclipse Field (Name)	Type	Size	Notes
Type	C	1	1=General Production Record 2=Coil Change 3=Machine Started 4=Controller Turned On 5=Job Request 6=Controller Fault 7=Delay 8= Query List S=Start of Shift E=End of Shift

Eclipse Field (Name)	Type	Size	Notes
			G=General Feedback Record
Reason	C	3	**For Type 1:** 'B' = Bundle halt 'O' = Out-of-orders halt 'C' = End of Coil 'H' = Manual halt 'I' = Inter-item, no halt 'M' = Manual shear, no halt 'P' = XL100/XL200 power off 'T' = Tolerance halt 'E' = Coil-end-point halt 'X' = Decrement quantity 'Y' = Increment quantity 'R' = Remake 'Z' = Coast to stop **For Type 2:** 'L' = Load coil 'D' = Delete coil 'R' = Return coil to inventory **For Type 8:** 'Q' = Query list **For Type G:** 'R' = Order returned for changes 'D' = Order is done 'I' = Order added by importing 'M' = Order sent to controller 'S' = Order started 'U' = Order recalled from controller 'X' = Order deleted in import 'C' = Coil inventory update **For Type E and S:** 'H' = Runtime record 'R' = Downtime record
Date	C	10	MM/DD/YYYY Date record created at Controller
Time	C	8	HH:MM:SS Time record created at the controller
Minutes	N	13	Date and time converted to minutes since Jan. 1, 1980
Production Date	C	10	Shift Date MM/DD/YYYY
Shift	C	1	
Machine	N	2	Unit number of controller (1-30)
Order Number	C	20	15 if controller is using Product Codes

Eclipse Field (Name)	Type	Size	Notes
			20 if XL200 UART 3.03 controller
Material	C	20	18 if controller is using Product Codes 20 if XL200 UART 3.03 controller
Product Code	C	20	20 if XL200 UART 3.03 controller
Customer Name	C	30	
Work Order Nbr	C	18	
Bundle	N	3	Current bundle or lift (0 to 900) (900-999 refer to scrap codes)
Quantity	N	4	Number of pieces produced in this record
Part Type	Numeric	1	0 = Four Piece 1 = L Shaped 2 = U Shaped 3 = Full Wrapper 4 = Shear Only
Height	Numeric	7,3	
Width	Numeric	7,3	
Lock	Numeric	2	
Velocity	Character	1	'N' = No Insullation 'H' = High 'L' = Low 'S' = Special
Connector	Character	1	'N' = None 'D' = Drive Cleat 'T' = Transverse Duct Flange
Hgt & Wth Holes	Character	2	Example '12' where 1 = 1 height hole and 2 = 2 width holes
Total Length	N	14,3	Quantity x Calculated item length in inches
Footage	N	14,3	**For Type 1 and Reason <> "X":** Length run in inches since last type "1" **For Type 1 and Reason = "X":** Always zero.
InvCoil	C	16	Current coil inventory number
Coil Material	C	20	
Coil Width	N	6,3	
Lb. / Ft	N	7,3	Weight per foot of material specified in order
Cost Per Lb.	N	7,2	Cost per pound of material specified in order
Heat Number	C	20	Coil batch number

Eclipse Field (Name)	Type	Size	Notes
Code Type	C	1	**For Type 1:** 'S' = Scrap if Footage – Total Length <> zero **For Type 2:** 'C' = if coil verification error **For Type 3, 7 and E:** 'D' = Delay if duration is <> zero
Code Value	N	3	**For Type 1:** Scrap code as defined by user **For Type 3, 7 and E:** Delay code as defined by user
Code Description	C	30	**For Type 1:** Scrap reason **For Type 2:** Coil verification error **For Type 3, 7 and E:** Delay reason
Code Exempt	C	1	**For Type <> 2:** 'E' = Exempt 'N' = Non-exempt example: Non-plant or non operator-fault – scrap coil was damaged in shipment, delay scheduled maintenance
Machine Status	C	1	'R' = Running 'H' = Halted
Duration	N	8,2	**For Type 1, 3, 7 and E:** Time in minutes since last type 1, 3, or 7 production message. Used for Runtime, Downtime and Exempt Time.
Runtime	N	8,2	**For Type 1 and (Type E with Reason = "H"):** Duration In minutes
Downtime	N	8,2	**For Type 3, 7, and (Type E and Reason = "R"):** Duration in minutes if Delay is non-exempt
Exempt Time	N	8,2	**For Type 3, 7, and (Type E and Reason = "R"):** Duration in minutes if Delay is exempt
Good Footage	N	11,3	**For Type 1 and Reason <> "X":** Qty * Length in inches – (Excludes

Eclipse Field (Name)	Type	Size	Notes
			Decrement Qty. footage)
Scrap Footage	N	14,3	**For Type 1 and Reason <> "X":** Total footage run minus good footage in inches if Scrap is non-exempt – (Excludes Decrement Qty. footage) **For Type G:** Adjustments to coil non-exempt scrap – for manual adjustments in Eclipse
Exempt Scrap	N	14,3	**For Type 1 and Reason <> "X":** Total footage run minus good footage in inches if Scrap is exempt – (Excludes Decrement Qty. footage) **For Type G:** Adjustments to coil exempt scrap – for manual adjustments in Eclipse
Reclaimed	N	14,3	**For Type 1 and Reason = "X":** Qty * Length in inches – (Includes only Decrement Qty. footage)
Actual Speed	N	8,3	
Target Speed	N	8,3	
Employee ID	N	7	
Name	C	30	Employee name
Item ID	C	22	Identifier of item if item_id was sent to Eclipse – this value should relate back to your back-end system (AS400, etc.)
List ID	N	10	**For Type 8 only:** Query list ID
List Text	C	40	Reserved – Not Used
Plant Name	C	30	
Code Responsibility Type	N	1	**For Type <> 2:** 0 = Not Specified 1 = Operational 2 = Equipment 3 = External
Bundle Code	C	15	

Import from SQL Server

Alternatively, data can be transferred between other software and Eclipse via SQL Server tables or Stored Procedures. Order data, Part Definition data, Bundle data, Coil Data data, Material Definition data, Product Code Definition data, and Customer information data are transferred to Eclipse via respective SQL Server tables or Stored Procedures (OrderIn , Partin , BundleIn , CoilIn, Materialin, PCodein, and Customer).

Eclipse automatically gathers this data from designated SQL Server tables or Stored Procedures. The data source for all import data types must be the same ODBC data source. Export data can be designated to go to a different ODBC data source. The ODBC data source, user ID, password and table or stored procedure names for import and/or export are setup in the form displayed when the XLSQLSETUP executable is run.

The data passed to Eclipse from the SQL Server tables or Stored Procedures must be in fields whose ID's, data types, and sizes match the definitions in the tables that follow. If a field is not needed, do not define it in the SQL Server tables or Stored Procedures. A sample script is included with the product files.

Data Import

Eclipse searches for import data at predetermined intervals as programmed in the "Settings" form found under the "Maintenance" menu bar. When new data is detected having a SQLSTATUS value of "N" in the SQL Server tables or by running a Stored Procedure, the information will be read into Eclipse and the SQLSTATUS value will be changed to "P". When the data has been updated in Eclipse the SQLSTATUS value will be changed to "C".

The following procedure ***must be* adhered to when using the SQL Server tables or Stored Procedures.**

Eclipse may be interfaced through a wide range of software and hardware while performing file imports. In order to eliminate potential problems with data transfer, duplication, or loss, adhere to the following practice.

- **Do not change data with a SQLSTATUS value of "N" or "P"**
- **If a stored procedure is used to gather the import data, a stored procedure to set a processing status to complete must also be included.**

Copies of all import data can be saved to the Windows Temp directory if the option is selected. This option may be selected in the Import / Export tab of the "Settings" form under the Maintenance menu of Eclipse. The file names will begin with "D" followed by 7 numbers. The following extensions will be used to identify the appropriate files:

"**ORD**" for Orders	"**PRT**" for Parts	"**COI**" for Coils
"**BND**" for Bundles	"**CUS**" for Customers	"**MAT**" for Materials
"**PCD**" for Product Codes		

Data Export

Eclipse uses the same procedure for exporting production data as it uses for importing data from SQL Server tables. Eclipse does not currently support using Stored Procedures to get data directly from Eclipse tables.

ORDER Data

Field Name	Type	Size	Notes	Field ID
Order Number	Character	18 or 15 20	@*	Order_
Bundle	Numeric	3	@	Bundle
Quantity	Numeric	4		Qty
Material	Character	20 or 18 20	@*	Material
Message	Character	40		Message
Product Code	Character	5 or 20	@*	Pcode
Height	Numeric	7,3	Example 123.12	Height
Width	Numeric	7,3	Example 123.12	Width
Velocity	Character	1	'N' = No Insullation 'H' = High 'L' = Low 'S' = Special	VE
Connector	Character	1	'N' = None 'D' = Drive Cleat 'T' = Transverse Duct Flange	CO
Hgt & Wth Holes	Character	2	Example '12' where 1 = 1 height hole and 2 = 2 width holes	P
Part Type	Numeric	1	0 = Four Piece 1 = L Shaped 2 = U Shaped 3 = Full Wrapper 4 = Shear Only	T
Lock	Numeric	2	Example 12	Lock
Kit Name	Character	24	*	Kit
Item_ID	Character	22	@ Must be unique for each item	Item_id
Action	Character	1	@ 'A' = Add 'C' = Change 'D' = Delete 'Q' = Sequence 'R' = Recall, Delete and Return 'X' = Recall and Delete	Action_
Schedule Date	Date	8	MM/DD/YY	Schedule
Machine	Number	2	Required with action 'Q'	Machine
User1	Character	254		User1
User2	Character	254		User2

Field Name	Type	Size	Notes	Field ID
Part Format	Character	12	Specifies predefined format by name	Partlabel
Bundle Format	Character	12	Specifies predefined format by name	Bndlelabel
User3	Character	254		User3
User4	Character	254		User4
User5	Character	254		User5
Bundle Code	Character	15	*	Bndlecde
No Material Substitutions	Logical	1	*	NoMSubs
SQL Sequence	Numeric	4	@ Designates processing sequence of items	Sqlseqnce
Plant Code	Character	3	Used if multiple plants are supported in one SQL import table	Sqlplant
SQL Status	Character	1	@ “N” = New record to process “C” = Eclipse done	Sqlstatus

*** See ORDERIN.DEL for description**
@ Required field

BUNDLE Data

Field Name	Type	Size	Notes	Field ID
Order	Character	20, 18 or 15	@*	Order_
Material	Character	20 or 18	@*	Material
Product Code	Character	5 or 20	@*	Pcode
Bundle	Numeric	3	@	Bundle
User1	Character	254		User1
User2	Character	254		User2
User3	Character	254		User3
User4	Character	254		User4
User5	Character	254		User5
Kit Name	Character	30	*	Kit
Bundle Format	Character	12	*#	Bndlelabel
Part Format	Character	12	*#	Partlabel
Cust Name	Character	30	*#	Custname
Cust Address 1	Character	254	*#	Custaddr1
Cust Address 2	Character	254	*#	Custaddr2
Cust City	Character	254	*#	Custcity
Cust State	Character	2	*#	Coststate
Cust Zip	Character	10	*#	Custzip
Cust Country	Character	3	*#	Custcntry
Cust Inst	Character	254	*#	Custinstr
Staging Bay	Character	10	*#	Stagebay
Loading Dock	Character	10	*#	Loaddock
Work Order	Character	18	*#	Workorder
Truck Number	Character	12	*#	Trucknbr
Required Date	Date	8	*#	Req_date
Product Group	Character	15	*#	Pcodegrp
Hold	Logical	1	*#	Hold
Plant Code	Character	3	Used if multiple plants are supported in one SQL import table	Sqlplant
SQL Status	Character	1	@ “N” = New record to process “C” = Eclipse done	Sqlstatus

NOTES:

- If Bundle = 0, then User1 through User5 applies to the specified order.

- If Bundle ≠ 0, then User1 through User5 applies to the specified bundle.
- The Bundle data must be presented at the same time as the ORDER data to insure proper processing.

These fields are entered or downloaded on a per order basis. (Bundle = 0)

*** See BUNDLEIN.DEL for description**
@ Required field

COIL Data

Field Name	Type	Size	Notes	Field ID
Action	Character	1	@*	Action_
Coil Number	Character	16	@	Invcoil
Description	Character	40		Desc_
Date In	Character	10		Datein
Date Out	Character	10		Dateout
Start Length	Character	8	*	L_start
Length Used	Character	8	*	L_used
Status	Character	1	*	Status
Vendor	Character	30		Vendor
Material	Character	20 or 18 20	*	Material
Type	Character	10		Type
Cost Per Lb.	Character	7	*	Cost_lb
Nex Scrap	Character	9	*	Nex_scrap
Ex Scrap	Character	9	*	Ex_scrap
Other Adjust	Character	9	*	Oth_adjst
Start Weight	Character	10	*	Weight
Heat Number	Character	20		Heatnbr
Vendor Code	Character	16		Vendcode
Purchase Order #	Character	10		Purchord
Storage Location	Character	20		Storloc
Plant Code	Character	3	Used if multiple plants are supported in one SQL import table	Sqlplant
SQL Status	Character	1	@ “N” = New record to process “C” = Eclipse done	Sqlstatus

*** See COILIN.DEL for description**
@ Required field

CUSTOMER Data

Field Name	Type	Size	Notes	Field ID
Action	Character	1	@*	Action_
Customer Code	Character	11	@	Custcode
Customer Name	Character	30	@	Name
Customer Address 1	Character	30		Address1
Customer Address 2	Character	30		Address2
Customer City	Character	30		City
Customer State	Character	2		State
Customer ZIP	Character	10		Zip
Customer Country	Character	3		Country
Shipping Instructions	Character	30		Shipinstru
Max Bundle Weight	Numeric	4,0		Maxbndlwt
Delivery Phone	Character	30		Delphone
E-mail address	Character	100		Emailaddr
Plant Code	Character	3	Used if multiple plants are supported in one SQL import table	Sqlplant
SQL Status	Character	1	@ “N” = New record to process “C” = Eclipse done	Sqlstatus

Note: These items will be added to a customer table that can be automatically recalled by associating the customer code to an order.

*** See CUSTOMER.DEL for description**
@ Required field

MATERIAL Data

Field Name	Type	Size	Notes	Field ID
Action	Character	1	@*	Action_
Material	Character	20	@*	Material
Gauge	Numeric	2		Gauge
Thickness	Numeric	6,4		Thickness
Width	Numeric	6,3		Width
Color	Character	20		Color
Type	Character	10		Type
Cover	Numeric	7,3		Cover
Description	Character	40		Descript
Lb/Ft	Numeric	7,3		Lb_ft
Cost/Lb	Numeric	7,2		Cost_lb
Normal Length	Numeric	9,3		Normlngth
Reorder	Numeric	6		Reorder
Plant Code	Character	3	Used if multiple plants are supported in one SQL import table	Sqlplant
SQL Status	Character	1	@ “N” = New record to process “C” = Eclipse done	Sqlstatus

*** See MATERIALIN.DEL for description**
@ Required field

PRODUCT Data

Field Name	Type	Size	Notes	Field ID
Action	Character	1	@*	Action_
Machine	Numeric	3	@	Machine
Product Code	Character	5 or 20	@*	Pcode
Description	Character	30		Desc_
Staging Bay	Character	10		Stagebay
Loading Dock	Character	10		Loaddock
Target Rate	Numeric	4		Ft_minutes
Coil Change Minutes	Numeric	6,3		Coilchgmin
Tool Change Minutes	Numeric	6,3		Toolchgmin
Tool Library	Character	25		Toollib
Setup Library	Character	25		Setuplib
Custom List	Character	40		Customlist
Axis Library	Character	25		Axislib
Preferred Machine	Logical	1	*	Preferred
Setup Instructions	Character	250		Setupinstr
Product Group	Character	20		Pcodegrp
Plant Code	Character	3	Used if multiple plants are supported in one SQL import table	Sqlplant
SQL Status	Character	1	@ “N” = New record to process “C” = Eclipse done	Sqlstatus

*** See PCODEIN.DEL for description**
@ Required field

PRODUCTION Data

* = Required

Eclipse Field (Name)	Type	Size	Notes	SQL Field
Type*	C	1	1=General Production Record 2=Coil Change 3=Machine Started 4=Controller Turned On 5=Job Request 6=Controller Fault 7=Delay 8=Query List S=Start of Shift E=End of Shift G=General Feedback Record	Type
Reason*	C	3	**For Type 1:** 'B' = Bundle halt 'O' = Out-of-orders halt 'C' = End of Coil 'H' = Manual halt 'I' = Inter-item, no halt 'M' = Manual shear, no halt 'P' = XL100/XL200 power off 'T' = Tolerance halt 'E' = Coil-end-point halt 'X' = Decrement quantity 'Y' = Increment quantity 'R' = Remake 'Z' = Coast to stop **For Type 2:** 'L' = Load coil 'D' = Delete coil 'R' = Return coil to inventory **For Type 8:** 'Q' = Query list **For Type G:** 'R' = Order returned for changes 'D' = Order is done 'I' = Order added by importing 'M' = Order sent to controller 'S' = Order started 'U' = Order recalled from controller 'X' = Order deleted in import	Reason

Eclipse Field (Name)	Type	Size	Notes	SQL Field
			'C' = Coil inventory update **For Type E and S:** 'H' = Runtime record 'R' = Downtime record	
Date*	D	8	MM/DD/YY Date record created at Controller	Date_
Time*	C	8	HH:MM:SS Time record created at the controller	Time_
Minutes	N	11,2	Date and time converted to minutes since Jan. 1, 1980	Minutes
Production Date*	D	8	Shift Date	ProdDate
Shift*	C	1		Shift
Machine*	N	2	Unit number of controller (1-30)	Machine
Machine Description	C	30		Machdesc
Work Group	C	2		Wrkgroup
Order Number*	C	20		Order_
Material*	C	20		Material
Product Code*	C	20		Pcode
Customer Name	C	30		Custname
Work Order Nbr	C	18		Workorder
Order Type	C	1		Ordertype
Bundle*	N	3	Current bundle or lift (0 to 900) (900-999 refer to scrap codes)	Bundle
Quantity*	N	4	Number of pieces produced in this record	Qty
Part Type	Numeric	1	0 = Four Piece 1 = L Shaped 2 = U Shaped 3 = Full Wrapper 4 = Shear Only	T
Height	Numeric	7,3		Height
Width	Numeric	7,3		Width
Lock	Numeric	2		Lock
Velocity	Character	1	'N' = No Insullation 'H' = High 'L' = Low	VE

Eclipse Field (Name)	Type	Size	Notes	SQL Field
			'S' = Special	
Connector	Character	1	'N' = None 'D' = Drive Cleat 'T' = Transverse Duct Flange	CO
Hgt & Wth Holes	Character	2	Example '12' where 1 = 1 height hole and 2 = 2 width holes	P
Total Length*	N	14,3	Quantity x Item Length in inches	Totlength
Footage*	N	14,3	**For Type 1 and Reason <> "X":** Length run in inches since last type "1" **For Type 1 and Reason = "X":** Always zero.	Footage
Hole Offset	N	8,3		Offset
Hole Count	N	4,0		Holecount
InvCoil	C	16	Current coil inventory number	Invcoil
Coil Material	C	20		Coilmatl
Coil Width	N	6,3		Matlwidth
Lb. / Ft	N	7,3	Weight per foot of material specified in order	Lb_ft
Cost Per Lb.	N	7,2	Cost per pound of material specified in order	Cost_lb
Heat Number	C	20	Coil batch number	Heatnbr
Code Type*	C	1	**For Type 1:** 'S' = Scrap if Footage – Total Length <> zero **For Type 1 and reason = "M":** 'D' = Delay if duration is <> zero **For Type 2:** 'C' = if coil verification error **For Type 3, 7 and E:** 'D' = Delay if duration is <> zero	Code_type
Code Value*	C	3	**For Type 1:** Scrap code as defined by user **For Type 3, 7 and E:** Delay code as defined by user	Code_val
Code Description*	C	30	**For Type 1:** Scrap reason **For Type 2:** Coil verification error **For Type 3, 7 and E:** Delay reason	Code_desc

Eclipse Field (Name)	Type	Size	Notes	SQL Field
Code Exempt*	C	1	**For Type <> 2:** 'E' = Exempt 'N' = Non-exempt example: Non-plant or non operator-fault – scrap coil was damaged in shipment, delay scheduled maintenance	Code_exmpt
Code Responsibility Type	N	1	**For Type <> 2:** 0 = Not Specified 1 = Operational 2 = Equipment 3 = External	Code_resp
Machine Status	C	1	'R' = Running 'H' = Halted	Machstatus
Duration*	N	8,2	**For Type 1, 3, 7 and E:** Time in minutes since last type 1, 3, or 7 production message. Used for Runtime, Downtime and Exempt Time.	Duration
Runtime	N	8,2	**For Type 1 and (Type E with Reason = "H"):** Duration In minutes	Runtime
Downtime	N	8,2	**For Type 3, 7, and (Type E and Reason = "R"):** In minutes if Delay is non-exempt	Downtime
Exempt Time	N	8,2	**For Type 3, 7, and (Type E and Reason = "R"):** In minutes if Delay is exempt	Exemptime
Good Footage	N	14,3	**For Type 1 and Reason <> "X":** Qty * Length in inches – (Excludes Decrement Qty. footage)	Good
Scrap Footage	N	14,3	**For Type 1 and Reason <> "X":** Total footage run minus good footage in inches if Scrap is non-exempt – (Excludes Decrement Qty. footage) **For Type G:** Adjustments to coil non-exempt scrap – for manual adjustments in Eclipse	Scrap
Exempt Scrap	N	14,3	**For Type 1 and Reason <> "X":** Total footage run minus good footage in inches if Scrap is	Exmptscrap

Eclipse Field (Name)	Type	Size	Notes	SQL Field
			exempt – (Excludes Decrement Qty. footage) **For Type G:** Adjustments to coil exempt scrap – for manual adjustments in Eclipse	
Reclaimed	N	14,3	**For Type 1 and Reason = "X":** Qty * Length in inches – (Includes only Decrement Qty. footage)	Reclaimed
Actual Speed	N	8,3		Actspeed
Target Speed	N	8,3		Targspeed
Employee ID*	N	7		Employ_id
Name*	C	30	Employee name	Name
Tool Changes	N	1	0 = No, 1 = Yes	Toolchg
Material Changes	N	1	0 = No, 1 = Yes	Matlchg
Coil Changes	N	1	0 = No, 1 = Yes	Coilchg
Material Deviations	N	1	0 = No, 1 = Yes	Matldev
Item ID*	C	22	Identifier of item if item_id was sent to Eclipse – this value should relate back to your back-end system (AS400, etc.)	Item_id
List ID	N	10	**For Type 8 only:** Query list ID	Listid
List Text	C	40	**For Type 8 only:** Query list text	Listtext
List Valid	C	100	**For Type 8 and Reason = "Q" only:**	Listvalid
Coil Start Length	N	11,3	**For Type G only:** Length of coil when loaded – for manual adjustments in Eclipse	Startlngth
Coil Other Adjust	N	11,3	**For Type G only:** Miscellaneous adjustments to coil usage when loaded – for manual adjustments in Eclipse	Oth_adjst
Bundle Code	C	15		Bndlecde
Plant Name*	C	30		Plantname
SQL Status*	C	1	"N" = New record to process	SQLStatus