



# Fraser Stream Integration

## Transformation Settings

Application Data Sheet

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# 1 INTRODUCTION

Fraser Stream Integration (FSI) is a powerful data transformation tool that rapidly transforms structured ASCII text reports and delimited files into various file formats.

FSI can convert any text report and:

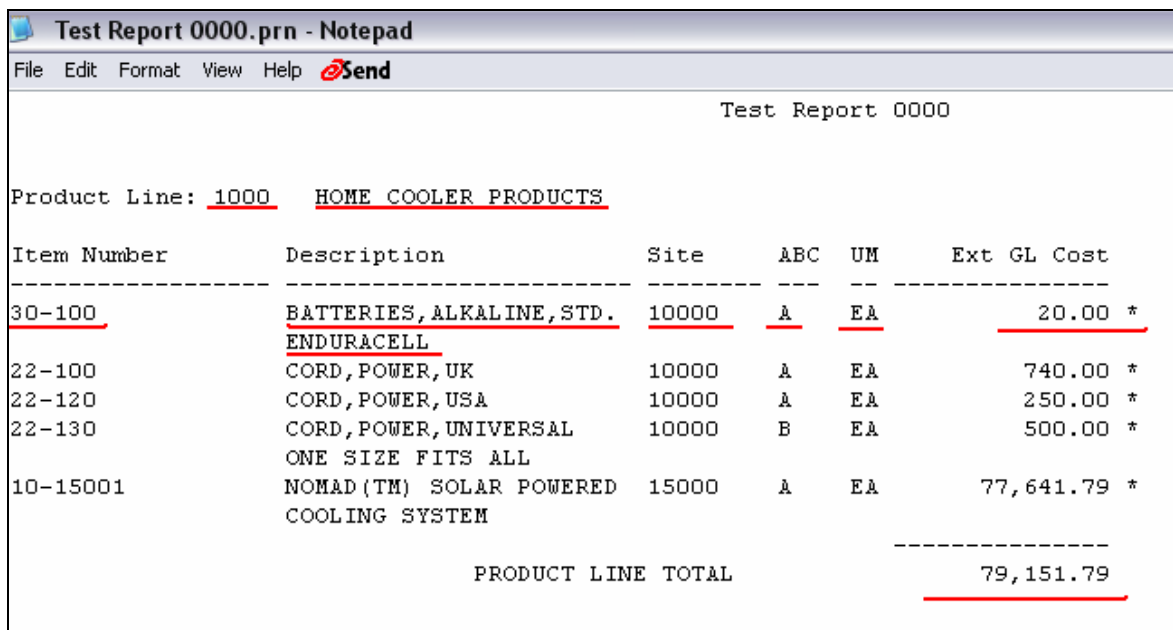
- Translate report data into Excel, PDF, Word and HTML
- Deposit information directly into a database (Access, SQL, Oracle)
- Publish information onto the web as HTML or XML with stylesheets
- Output to XML format for integration with other applications or to share with business partners

Regardless of what the end use will be, the backbone of Fraser Stream technology is the method in which text reports are translated into the aforementioned formats. **The TRANSFORMATION SETTINGS define how each type of report is to be processed and converted.**

Mapping transformation settings takes a matter of a few minutes and needs only to be done once. Once the settings are saved, the text report can be converted at the click of a button or scheduled to be processed at any predefined interval.

Transformation Settings map information from the text report's header, detail, and footer sections, then translate this information into a single record which in turn can be displayed as a single row of an Excel spreadsheet or exported as unique record into a database.

The following example depicts a typical text report with the subsequent FSI output to Excel:



Test Report 0000					
Product Line: <u>1000</u> <u>HOME COOLER PRODUCTS</u>					
Item Number	Description	Site	ABC	UM	Ext GL Cost
<u>30-100</u>	<u>BATTERIES, ALKALINE, STD.</u> <u>ENDURACELL</u>	<u>10000</u>	<u>A</u>	<u>EA</u>	<u>20.00 *</u>
22-100	CORD, POWER, UK	10000	A	EA	740.00 *
22-120	CORD, POWER, USA	10000	A	EA	250.00 *
22-130	CORD, POWER, UNIVERSAL	10000	B	EA	500.00 *
	ONE SIZE FITS ALL				
10-15001	NOMAD (TM) SOLAR POWERED COOLING SYSTEM	15000	A	EA	77,641.79 *
PRODUCT LINE TOTAL					<u>79,151.79</u>

The same report in Excel format:

	A	B	C	D	E	F	G	H	I
	Product_Line	Prod_Line_Desc	Item_Number	Description	Description2	Site	ABC	UM	Ext_GL_Cost
1	1000	HOME COOLER	30-100	BATTERIES,ALKALINE,STD.	ENDURACELL	10000	A	EA	20
2	1000	HOME COOLER	22-100	CORD,POWER,UK		10000	A	EA	740
3	1000	HOME COOLER	22-120	CORD,POWER,USA		10000	A	EA	250
4	1000	HOME COOLER	22-130	CORD,POWER,UNIVERSAL	ONE SIZE FITS ALL	10000	B	EA	500
5	1000	HOME COOLER	10-15001	NOMAD(TM) SOLAR POWERED	COOLING SYSTEM	15000	A	EA	77,641.79

Fraser Stream Integration is easy to use, requires very little technical know-how, and costs a fraction of what is currently offered on the market today. This Microsoft Windows based tool can be used as a stand alone desktop application or run on a server as an enterprise level ETL (extract load transform) solution.

## 2 GETTING STARTED

Fraser Stream Software offers a free 30 day trial of Fraser Stream Integration. You may download this free version from the **Downloads** section of [www.fraserstream.com](http://www.fraserstream.com).

Follow these steps to install the program:

### 2.1 Installation Requirements

1. Supported Operating Systems:  
Windows 2000, Windows 98, Windows ME, Windows NT, Windows Server 2003, Windows XP
2. Processor: Minimum 133-MHz Intel Pentium-class processor
3. Memory: Minimum 128 MB of RAM, 256 MB recommended

### 2.2 Fraser Stream Integration Installation

1. Go to: [www.fraserstream.com/downloads](http://www.fraserstream.com/downloads)
2. Click on Download Now For the software you want to install
3. Click Run to install the software
4. The software will be installed in the folder: **.\\Program Files\\Fraser Stream\\Fraser Stream Integration**
5. To Start Fraser Stream Integration: **Start\\All Programs\\Fraser Stream Integration**

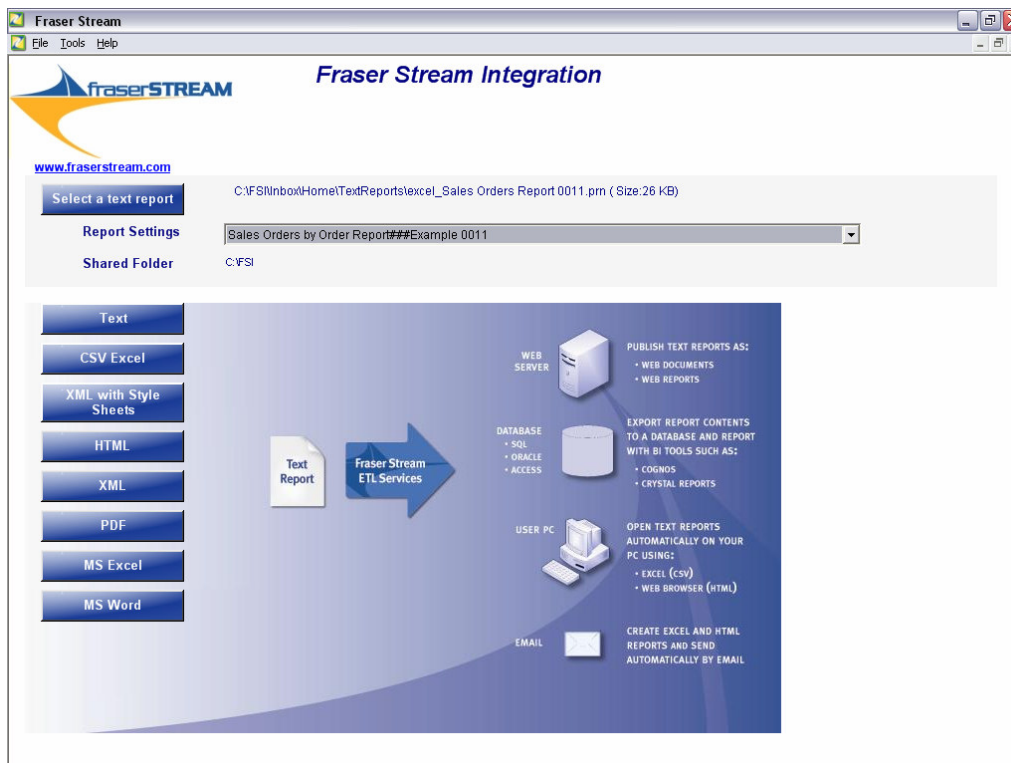
### 2.3 Main Menu

Transformation Settings must be mapped in order for FSI to work. Fortunately this process need only be done once. Open FSI and click on the **'Select a text report'** button to choose the text file you want to transform. (See screenshot on next page). Fraser Stream Integration will scan the text report and check to see if transformation settings have been mapped for this report in the past.

**NOTE:** FSI does not rely on the report name to determine if transformation settings exist. Instead, FSI looks at the structure of the report and identifies the precise positions of certain key characteristics such as the header, detail, and footer sections to determine if this file has been mapped before.

If a specific type of report has already been mapped, a transformation setting will appear in the drop down list (see screen shot). A report can have multiple transformation settings. For example one set may include each detail column i.e. price, quantity etc...A second set of settings may only capture the header section and the sales order number. Fraser Stream Integration will display all previously mapped settings. Select the settings you wish to use from the drop down list. If no settings exist, you will need to create them (Chapter 3)

Assuming transformation settings exist, simply select the settings from the drop down list and click on any of the output buttons to view the data in the different formats.



## 2.4 Examples

Fraser Stream Integration includes a few sample reports that have already been mapped. To view these reports:

1. Click on the **Select a Text Report** button
2. Select the folder: C:\Program Files\Fraser Stream\Fraser Stream Integration\TextReports
3. Select the text file: **Test Report 0001.prn**  
(Transformation settings will automatically appear in the drop down list)
4. Click on the **Text** button to view the report in its original format in Notepad
5. Click on the **CSV Excel** button to see the text report in Excel format. The application will extract report header, details line and footer information and display each record on a single Excel row
6. Click on the **HTML** button to see the text report in HTML format
7. Click on the **XML** button to see the text report in XML format
8. Click on the **XML with Style Sheets** button to open the XML file using a Style Sheet. You may customize the Style Sheet to display your company's logo, fonts, colors, background or any other HTML elements
9. The **PDF**, **MS Word** and **MS Excel** are created with Crystal Reports. Please see PDF Output chapter



## 3 Transformation Settings

Transformation settings only need to be created once. For the novice Fraser Stream Integration user, this process will take a matter of a few minutes. A single set of settings will specify which elements from the text report should be included in the output. You can create as many different transformation settings as you like for a single type of text report. FSR will retain these settings for future use.

The **key** to remember is that transformation settings use the precise position of certain report elements to define and translate the data in the report. As long as the structure of your report doesn't change, your reports can vary in size anywhere from a few bytes to hundreds of megabytes; they will still be transformed by the same set of transformation settings. If you use an entirely different report (structurally different), you will need to create a new set of transformation settings.

### Example:

You may use a series of sales reports from your core ERP or legacy system for analysis purposes. One report may be a summary of your sales by region, the other a detailed report by sales person. In this scenario you would need two separate transformation settings as most likely these two reports differ considerably in structure. On the other hand, if you run the same detailed sales report by salesperson for two distinct groups of salespeople, the two reports will still be identical in structure. In this situation you can use the same transformation settings.

The following sections will take you step by step through the process of creating transformation settings for your text reports.

### 3.1 Mapping Text Report Transformation Settings

To map new transformation settings, open Fraser Stream Integration and click on the **Select a text report** button.

Select your text report. If transformation settings have already been mapped for this type of report they will appear listed in the drop down list. If none exist the drop down list will appear blank.

In the tools menu select **New Text Report Settings**.

**NOTE:** You can always modify existing settings by selecting **Change Text Report Settings** from the Tools menu (covered in section 3.3)

Fraser Stream Integration uses a grid coordinate system to read the text report. Each character (including spaces) of the report will be separated into the grid (see next screen shot).

Text reports typically follow a structure or logic. For example the space allocated to the header section has the same length throughout the text report. Similarly, individual columns span a limited area of each page. Report footers appear after certain indicators such as summary lines.

Mapping transformation settings requires identifying coordinates for a number of key report elements. This process involves highlighting the element first then assigning a 'Selection' to that element.

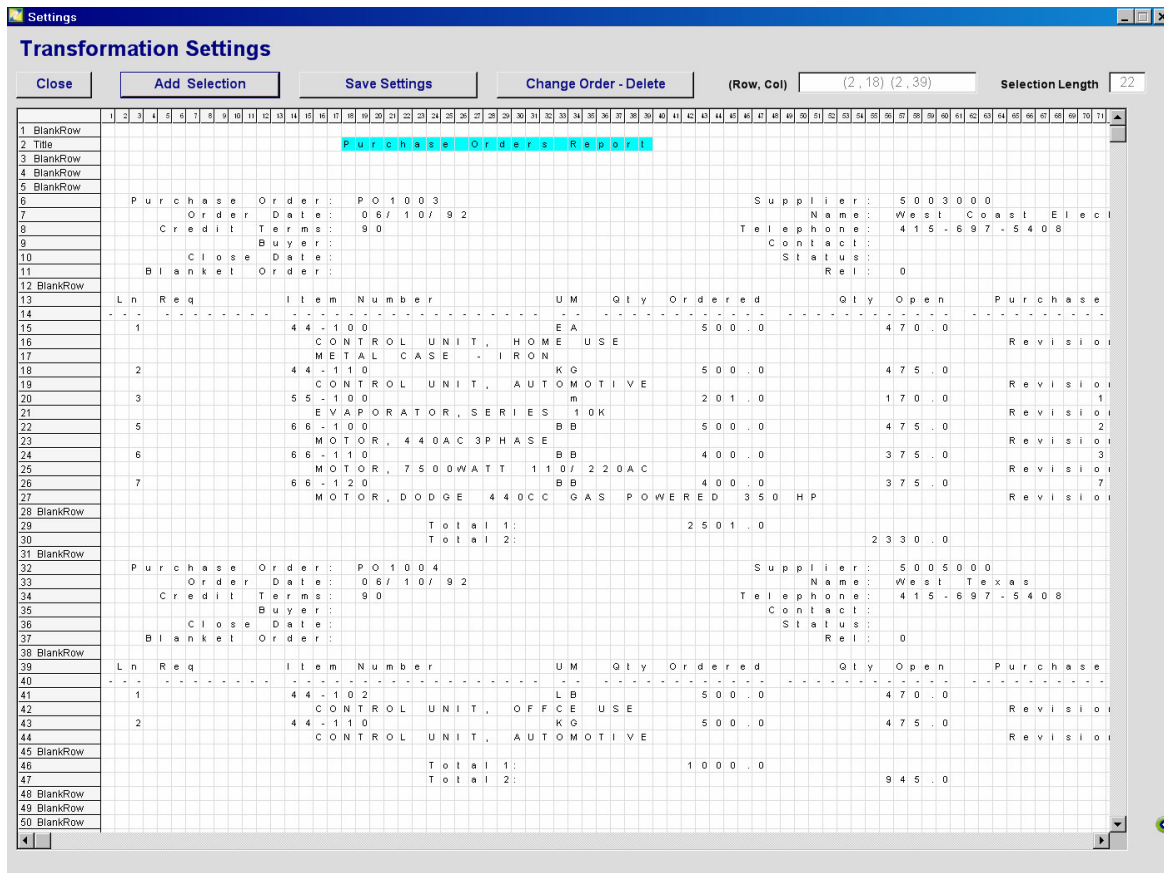
### 3.1.1 Step 1: Report Title

The first step requires identifying the report title. This is a mandatory step.

1. **Highlight the report title** on the report by clicking on the first character of the title, hold down the button and drag the cursor to the end of the title until it is highlighted entirely.

Note the first character you highlight will appear with a broken line around it (this also indicates the character is selected) – all subsequent characters will be highlighted in a pale blue.





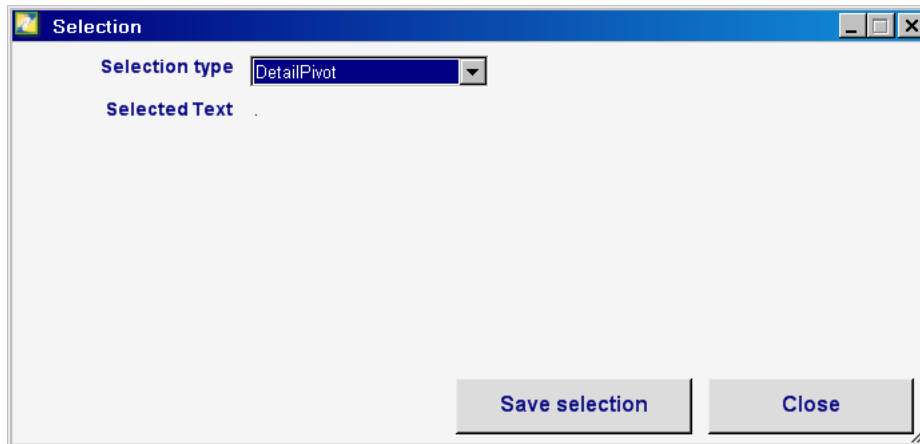
### 3.1.2 Step 2: Detail Pivot

Identifying and selecting the Detail Pivot is the next step in mapping transformation settings. The Detail Pivot is a character or group of characters that identifies the detail rows of a text report. The Detail Pivot can be a decimal point, a comma, or any other character. The key is that this identifier only appears in the same spot for all rows that contain the details of the text report. Note there can be more than one possible Detail Pivot on a text report; however, for Fraser Stream Integration, only one need be identified.

If a suitable detail pivot detail cannot be found, you can create a special table using the **List Of Values** option (see section 4.2) whereby certain words or codes such as Units of Measure (EA, PK, KG, CS, etc...) are used instead to identify detail rows in the report.

In the example above, a suitable Pivot Detail would be the decimal point under the column Quantity Ordered. The decimal point appears for all detail records and therefore is a suitable identifier.

1. **Highlight the decimal point** at the intersection of row 15 and column 46. Since this Detail Pivot is only one character, just click on the coordinate to highlight the decimal point.
2. **Click the Add Selection Button.** Fraser Stream Report will automatically bring up the Detail Pivot from the selection list. Note the decimal character appears below on the Selected Text line (see screenshot next page).
3. **Click the Save Selection Button.** A List of Values selection box will appear – you may leave this blank (more will be said on this option in a later section)



4. Click on the **Save Selection Button** a second time. The Selection Box will close and the Pivot Detail will appear in orange on the Transformation Settings page.

Ln	Req	Item Number	UM	Qty Ordered	Qty Open	Purchase
1		44-100	EA	500.0	470.0	
2		CONTROL UNIT, HOME USE				
3		METAL CASE - IRON				
4	2	44-110	KG	500.0	475.0	
5		CONTROL UNIT, AUTOMOTIVE				
6	3	55-100	m	201.0	170.0	
7		EVAPORATOR, SERIES 10K				
8	5	66-100	BB	500.0	475.0	
9		MOTOR, 440AC 3PHASE				
10	6	66-110	BB	400.0	375.0	
11		MOTOR, 7500WATT 110/220AC				
12	7	66-120	BB	400.0	375.0	
13		MOTOR, DODGE 440CC GAS POWERED 350 HP				
14		Total 1: 2501.0				
15		Total 2: 2330.0				

Note that each time a report element such as Title or Pivot Detail is identified, a label for that element appears along the left side of the screen in the row header. (See red ovals in screenshot above)

### 3.1.3 Step 3: Column Labels (Optional Step)

As an optional step, you may identify the column labels and include them in your output. For example you may want to retain the Item Number, UM, Qty Ordered labels from the current sample report. Alternatively you may ignore the column labels and move to the next step.

To identify a report's column labels you must highlight the entire row that contains them.

1. **Highlight the entire row that contains the column labels** by clicking on the row number on the left side of the screen (Row 13 for the current example). Note the entire row will appear highlighted.

The screenshot shows the 'Transformation Settings' window. At the top, there are buttons: 'Close', 'Add Selection', 'Save Settings', and 'Change Order - Delete'. To the right, it shows '(Row, Col) (13, 1) (13, 88)' and 'Selection Length 88'. The main area is a grid with rows numbered 1 to 50 on the left. Row 13 is highlighted. The grid contains data for two purchase orders. The first order (PO 1003) has items like 'CONTROL UNIT, HOME USE' and 'MOTOR, 440AC 3PHASE'. The second order (PO 1004) has items like 'CONTROL UNIT, OFFICE USE' and 'CONTROL UNIT, AUTOMOTIVE'. The grid columns are labeled: Ln, Req, Item Number, UM, Qty Ordered, Qty Open, and Purchase.

2. **Click the Add Selection Button.**
3. **Select Column Labels from the Selection List.**

The screenshot shows the 'Selection' dialog box. It has a 'Selection type' dropdown menu set to 'ColumnsLabels'. Below it, the 'Selected Text' field shows the column labels: 'Ln Req Item Number UM Qty Ordered Qty Open Purchase Cost Disc%'. At the bottom, there are two buttons: 'Save selection' and 'Close'.



- Click the Save Selection Button.

### 3.1.4 Step 4: Detail Columns

Defining the Detail Columns is the next mandatory step in mapping transformation settings. The Detail Column(s) are defined by the width of the individual columns that contain each detail. Each individual Detail Column will need to be identified and defined separately.

**NOTE:** In some cases, text reports will have details overlapping onto the next row in the report. Fraser Stream Integration has a provision for this scenario and it will be addressed in the next section - **3.1.5**.

- Highlight the cells for the first detail column – “Ln”. These are the three cells from row 15 for columns 1, 2, and 3 and contain the two blank cells followed by the number 1.

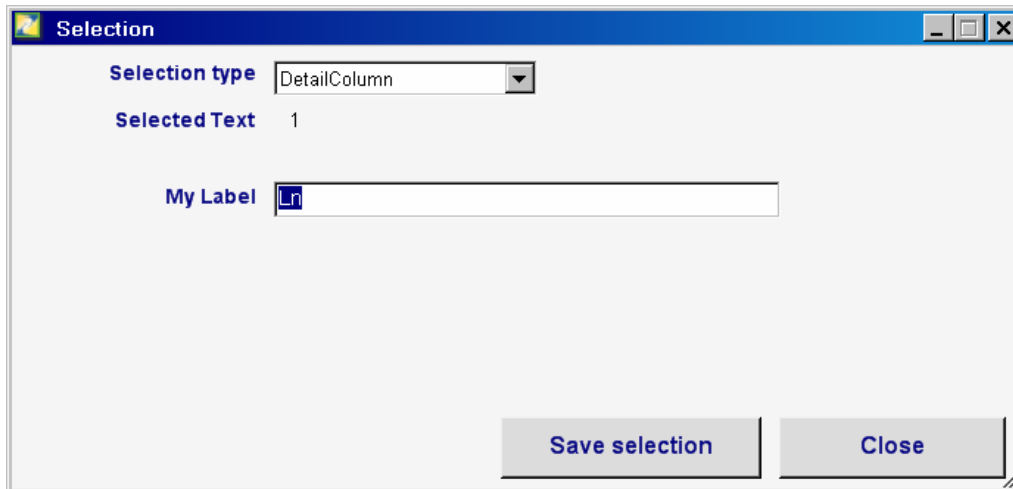
Note that Row 15 also contains the Detail Pivot (defined as a decimal point earlier). You may define more than one report element using the same coordinates in any given text report.

The screenshot shows the 'Transformation Settings' window. The 'Add Selection' button is highlighted. The grid shows the following data for the first report:

Ln	Req	Item Number	UM	Qty Ordered	Qty Open	Purchase
1		44-100	EA	500.0	470.0	
2		44-110	KO	500.0	475.0	
3		55-100	m	201.0	170.0	
5		66-100	BB	500.0	475.0	
6		66-110	BB	400.0	375.0	
7		66-120	BB	400.0	375.0	
Total 1:				2501.0		
Total 2:					2330.0	

The second report is also visible below the first one.

- Click the Add Selection Button.
- Ensure that Detail Column is selected from the Selection type list.
- Click the Save Selection button.
- In the My Label field you may either accept the default label which Fraser Stream will provide (if previously defined in section 3.1.3 Column Labels) or, you may enter your own custom label



6. Click the Save selection button a second time.

Fraser Stream Report will highlight the new Column Detail on the transformation screen.

Ln	Req	Item Number	UM	Qty Ordered	Qty Open	Purchase
1		44 - 100	EA	500.0	470.0	
2		CONTROL UNIT, HOME USE				Revision
3		METAL CASE - IRON	KG	500.0	475.0	
4		CONTROL UNIT, AUTOMOTIVE				Revision
5		55 - 100	m	201.0	170.0	
6		EVAPORATOR, SERIES 10K				Revision
7		66 - 100	BB	500.0	475.0	
8		MOTOR, 440AC 3PHASE				Revision
9		66 - 110	BB	400.0	375.0	
10		MOTOR, 7500WATT 110/ 220AC				Revision
11		66 - 120	BB	400.0	375.0	
12		MOTOR, DODGE 440CC GAS POWERED 350 HP				Revision
Total 1:				2501.0		
Total 2:					2330.0	

Repeat steps 1 through 6 for all the other column details that you wish to include in your output. You may skip over any columns that you don't require.

Note that in the following screen shot certain column details were omitted such as **Req** and **Purchase Price** (partly visible on screenshot).



The Detail Column for Quantity Ordered also overlaps with the previously define Pivot Detail element. Fraser Stream Integration can track multiple report elements that use the same coordinates.

**Transformation Settings**

Close Add Selection Save Settings Change Order - Delete (Row, Col) (15, 49) (15, 60) Selection Length 12

Ln	Req	Item Number	UOM	Qty Ordered	Qty Open	Purchase
1		44-100	EA	500.0	475.0	
2		CONTROL UNIT, HOME USE				Revision
3		METAL CASE - IRON				Revision
4	2	44-110	KG	500.0	475.0	
5		CONTROL UNIT, AUTOMOTIVE				Revision
6	3	55-100	m	201.0	170.0	
7		EVAPO RATOR, SERIES 10K				Revision
8	5	66-100	BB	500.0	475.0	
9		MOTOR, 440AC 3PHASE				Revision
10	6	66-110	BB	400.0	375.0	
11		MOTOR, 7500WATT 110/220AC				Revision
12	7	66-120	BB	400.0	375.0	
13		MOTOR, DODGE 440C OAS POWERED 350 HP				Revision
14		Total 1:		2501.0	2330.0	
15		Total 2:				

Ln	Req	Item Number	UOM	Qty Ordered	Qty Open	Purchase
1		44-102	LB	500.0	470.0	
2		CONTROL UNIT, OFFICE USE				Revision
3		CONTROL UNIT, AUTOMOTIVE				Revision
4		Total 1:		1000.0	945.0	
5		Total 2:				

### 3.1.5 Step 5: Detail Row References (Optional Step)

Defining Detail Row References is an optional step which may be necessary depending on the structure of the text report. In some cases a text report may overlap report details onto more than one row of the report. This is usually the cause of the greatest amount of grief for those trying to transfer data from a text report into a spreadsheet. The Detail Row Reference is a special element that allows you to define as many additional rows and their corresponding details to the initial detail record within the text report.

In the example above, we see that the first detail record for item number 44-100 also contains a description of that item on the second and third line below. The individual fields such as in this case a primary and secondary description can be defined as Detail Row References and included in one single record in the final output file.

Detail Row References are defined exactly the same way as Detail Columns.

1. **Highlight cells in row 16 that contain the first description.** Be sure to highlight a reasonable range of cells to ensure the entire description is capture on subsequent rows of the report. In the next screenshot column 16 through 44 have been highlighted on row 16.



**Repeat steps 1 through 6** for all the other Detail Row References that you wish to include in your output. You may skip over any fields that you don't require.

Note that in the following screen shot a total of two Detail Row References (Description 1 – row 16 and Description 2 – row 17) were added or in other words linked to the initial detail row.

The screenshot shows the 'Transformation Settings' window with a grid of data. The grid has columns numbered 1 to 71 and rows numbered 1 to 50. The title bar says 'Settings' and the window title is 'Transformation Settings'. There are buttons for 'Close', 'Add Selection', 'Save Settings', and 'Change Order - Delete'. The '(Row, Col)' field shows '(17, 16) (17, 44)' and the 'Selection Length' is '29'.

The grid contains two main sections of data, each starting with a 'Purchase Order' header. The first section (rows 6-27) has a header row (row 6) with 'Purchase Order: PO 1003' and a detail row (row 16) with 'CONTROL UNIT, HOME USE'. The second section (rows 32-43) has a header row (row 32) with 'Purchase Order: PO 1004' and a detail row (row 43) with 'CONTROL UNIT, OFFICE USE'. Both detail rows are highlighted in orange.

Ln	Req	Item Number	UM	Qty Ordered	Qty Open	Purchase
15	1	44-1000	EA	500.00	470.00	Revision
16	1	44-1000	EA	500.00	470.00	Revision
17	1	44-1000	EA	500.00	470.00	Revision
18	2	44-1100	KG	500.00	475.00	Revision
19	3	55-1000	m	201.00	170.00	Revision
20	3	55-1000	m	201.00	170.00	Revision
21	5	66-1000	BB	500.00	475.00	Revision
22	5	66-1000	BB	500.00	475.00	Revision
23	6	66-1100	BB	400.00	375.00	Revision
24	6	66-1100	BB	400.00	375.00	Revision
25	7	66-1200	BB	400.00	375.00	Revision
26	7	66-1200	BB	400.00	375.00	Revision
27	7	66-1200	BB	400.00	375.00	Revision
28		Total 1:		2501.00		
29		Total 2:			2330.00	
30		Total 2:			2330.00	
31		Total 2:			2330.00	
32		Total 2:			2330.00	
33		Total 2:			2330.00	
34		Total 2:			2330.00	
35		Total 2:			2330.00	
36		Total 2:			2330.00	
37		Total 2:			2330.00	
38		Total 2:			2330.00	
39		Total 2:			2330.00	
40		Total 2:			2330.00	
41	1	44-1002	LB	500.00	470.00	Revision
42	1	44-1002	LB	500.00	470.00	Revision
43	2	44-1100	KG	500.00	475.00	Revision
44	2	44-1100	KG	500.00	475.00	Revision
45		Total 1:		1000.00		
46		Total 2:			945.00	
47		Total 2:			945.00	
48		Total 2:			945.00	
49		Total 2:			945.00	
50		Total 2:			945.00	

### 3.1.6 Step 6: Header Pivot (Optional Step)

Some text reports contain both header and footer information. This information may be summary level information for a single transaction or for the entire report (or both). In the current example, the header section contains the Purchase Order, Order Date, Credit Terms, etc... information. The Header Pivot is similar to the Detail Pivot in that it identifies a unique set of character to indicate where the header section begins.

In the current example (see screenshot) the word **Purchase Order** : can be used as a unique Header Pivot to identify the characteristics of the header section.

1. Highlight the cells in row 6 from column 3 to column 17 to identify a unique header pivot indicator.
2. Click the Add Selection button.
3. Ensure Header Pivot is selected in the Selection Type List
4. Click the Save Selection Button.

The Header Pivot will become highlighted in orange (same color as the Detail Pivot)

The screenshot shows the 'Transformation Settings' window with a data grid. A red circle highlights the cells in row 6, columns 19 to 26, which contain the text 'Purchase Order'. The grid also shows other data rows and columns, including a 'Purchase Order' section at the bottom.

### 3.1.7 Step 7: Header References (Optional Step)

If a Header Pivot was defined, Header References must be defined to specify which components of the header section are to be mapped and included in the output. In the case of outputting to Excel, the header information can be displayed line by line with the details.

For example you may want your Excel or XML output to include the Purchase Order number with every transaction detail, in this case, with every item that was part of that purchase order.

1. **Highlight the cells in row 6 from column 19 to column 26** to identify the header reference for the Purchase Order information. Be sure to select an area that will include the full Purchase Order Number. In some cases the information in a specific area may vary in width throughout the report.
2. **Click the Add Selection button.**
3. **Select the HeaderRef option from the Selection List.**
4. **Click the Save Selection Button.**
5. **Enter a name for the field you are mapping.** In this case Purchase Order





### 3.1.8 Step 8: Footer Pivot (Optional Step)

Some text reports contain both header and footer information. This information may be summary level information for a single transaction or for the entire report (or both). In the current example, the footer section contains the Quantity Ordered and Quantity Open totals for each purchase order. The Footer Pivot is similar to the Detail Pivot and Header Pivot in that it identifies a unique set of character to indicate where the footer section begins.

In the current example (see screenshot below) the text **Total 1:** can be used as a unique Footer Pivot to identify the characteristics of the footer section.

1. Highlight the cells in row 29 from column 24 to column 30 to identify a unique footer pivot indicator.
2. Click the Add Selection button.
3. Ensure Footer Pivot is selected in the Selection Type List
4. Click the Save Selection Button.

The Footer Pivot will become highlighted in orange (same color as the Detail Pivot and Header Pivot).

The screenshot shows the 'Transformation Settings' window with a data table. The table has columns for 'Ln', 'Req', 'Item', 'Number', 'UM', 'Qty Ordered', 'Qty Open', and 'Purchase'. The 'Total 1:' row is highlighted in orange, indicating it is the selected Footer Pivot. The 'Total 2:' row is also highlighted in orange.

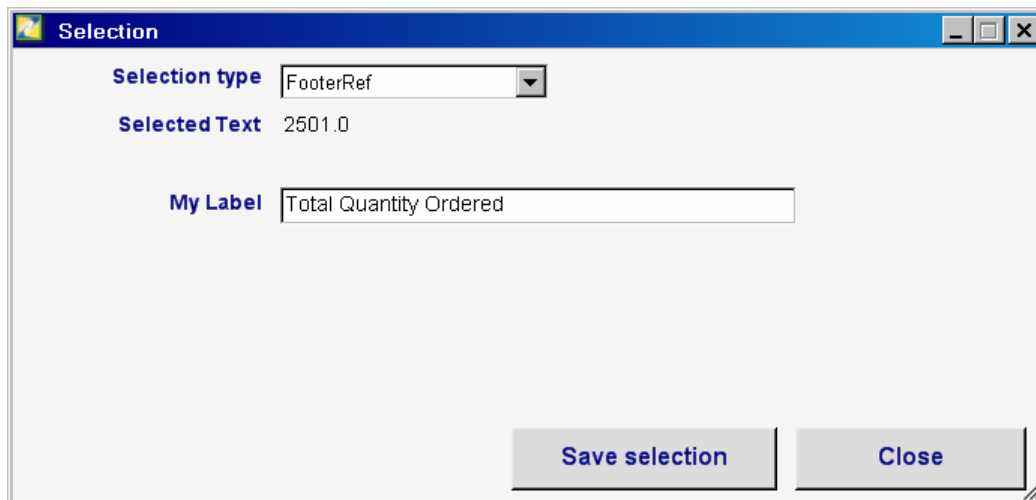
Ln	Req	Item	Number	UM	Qty Ordered	Qty Open	Purchase
1		44 - 100		EA	500.0	470.0	
2		44 - 110		KG	500.0	475.0	
3		55 - 100		m	201.0	170.0	
5		66 - 100		BB	500.0	475.0	
6		66 - 110		BB	400.0	375.0	
7		66 - 120		BB	400.0	375.0	
29		<b>Total 1:</b>				1000.0	
30		<b>Total 2:</b>					945.0

### 3.1.9 Step 9: Footer Reference (Optional Step)

If a Footer Pivot was defined, Footer References must be defined to specify which components of the footer section are to be mapped and included in the output. In the case of outputting to Excel, the footer information can be displayed line by line with the details.

For example you may want your Excel or XML output to include the Total Number of Units Ordered for that Purchase Order with every item that was part of that purchase order.

1. **Highlight the cells in row 29 from column 42 to column 47** to identify the footer reference for the Quantity Ordered total. Be sure to select an area that will include the full quantity. In some cases the information in a specific area may vary in width throughout the report.
2. **Click the Add Selection button.**
3. **Select the FooterRef option from the Selection List.**
4. **Click the Save Selection Button.**
5. **Enter a name for the field you are mapping.** In this case Total Quantity Ordered.



6. **Click the Save Selection button a second time.**

Repeat steps 1 through 6 for any other footer fields you wish to map. The following screenshot shows the **Quantity Ordered** and **Quantity Open** footer totals for each Purchase Order mapped.





**Transformation Settings**

Close Add Selection **Save Settings** Change Order - Delete (Row, Col) (30, 55) (30, 60) Selection Length 6

Ln	Req	Item Number	UM	Qty Ordered	Qty Open	Purchase
1		44 - 100	EA	500.0	470.0	
2		44 - 110	KG	500.0	475.0	
3		55 - 100	m	201.0	170.0	
5		66 - 100	BB	500.0	475.0	
6		66 - 110	BB	400.0	375.0	
7		66 - 120	BB	400.0	375.0	
Total 1:				2501.0	2338.0	
Total 2:						

### 3.2 Transforming the Text Report

Once the transformation settings have been mapped, transforming a text report requires a click of the mouse. Using the settings we created in section 3.1:

1. Click on the **Select a Text Report** button
2. Select the folder: C:\Program Files\Fraser Stream\Fraser Stream Integration\Examples
3. Select the text file: **Example 01.txt**
4. **(Transformation settings will automatically appear in the drop down list – note the new settings created in section 3.1)**
5. Click on the **Text** button to view the report in its original format in Notepad

tmp\_file.txt - Notepad

Purchase Orders Report

Purchase Order: P01003      Supplier: 5003000  
 Order Date: 06/10/92      Name: West Coast Electronics  
 Credit Terms: 90      Telephone: 415-697-5408  
 Buyer:      Contact:  
 Close Date:      Status:  
 Blanket Order:      Rel: 0

Ln	Req	Item Number	UM	Qty Ordered	Qty Open	Purchase Cost	Disc%
1		44-100	EA	500.0	470.0	90.00	0.00% *
		CONTROL UNIT, HOME USE					
		METAL CASE - IRON					
2		44-110	KG	500.0	475.0	50.00	0.00% *
		CONTROL UNIT, AUTOMOTIVE					
3		55-100	m	201.0	170.0	100.00	0.00% *
		EVAPORATOR, SERIES 10K					
5		66-100	BB	500.0	475.0	200.00	0.00% *
		MOTOR, 440AC3PHASE					
6		66-110	BB	400.0	375.0	300.00	0.00% *
		MOTOR, 7500WATT 110/220AC					
7		66-120	BB	400.0	375.0	750.00	0.00% *
		MOTOR, DODGE 440CC GAS POWERED 350 HP					
		Total1:		2501.0			
		Total2:			2330.0		

Purchase Order: P01004      Supplier: 5005000  
 Order Date: 06/10/92      Name: West Texas  
 Credit Terms: 90      Telephone: 415-697-5408  
 Buyer:      Contact:  
 Close Date:      Status:  
 Blanket Order:      Rel: 0

Ln	Req	Item Number	UM	Qty Ordered	Qty Open	Purchase Cost	Disc%
1		44-102	LB	500.0	470.0	90.00	0.00% *
		CONTROL UNIT, OFFICE USE					
2		44-110	KG	500.0	475.0	50.00	0.00% *
		CONTROL UNIT, AUTOMOTIVE					

6. Click on the **Excel** button to see the text report in Excel format. The application will extract report header, details line and footer information and display each record on a single Excel row

Microsoft Excel - CSV190941\_Purchase Orders Report Sample Report for Documentation.csv

A	B	C	D	E	F	G	H	I	J	K	L
Ln	Item Number	UM	Qty Ordered	Qty Open	Description_1	Description_2	Purchase Order	Order Date	Supplier Name	Total Quantity Ordered	Total Quantity Open
1	44-100	EA	500	470	CONTROL UNIT, HOME USE	METAL CASE - IRON	P01003	06/10/1992	West Coast Electronics	2501	2330
2	44-110	KG	500	475	CONTROL UNIT, AUTOMOTIVE		P01003	06/10/1992	West Coast Electronics	2501	2330
3	55-100	m	201	170	EVAPORATOR, SERIES 10K		P01003	06/10/1992	West Coast Electronics	2501	2330
4	66-100	BB	500	475	MOTOR, 440AC3PHASE		P01003	06/10/1992	West Coast Electronics	2501	2330
5	66-110	BB	400	375	MOTOR, 7500WATT 110/220AC		P01003	06/10/1992	West Coast Electronics	2501	2330
6	66-120	BB	400	375	MOTOR, DODGE 440CC GAS POWERED		P01003	06/10/1992	West Coast Electronics	2501	2330
7	44-102	LB	500	470	CONTROL UNIT, OFFICE USE		P01004	06/10/1992	West Texas	1000	945
8	44-110	KG	500	475	CONTROL UNIT, AUTOMOTIVE		P01004	06/10/1992	West Texas	1000	945
9	44-100	EA	500	470	CONTROL UNIT, HOME USE	METAL CASE - IRON	P01005	06/10/1992	West Coast Electronics	2501	2330
10	44-110	KG	500	475	CONTROL UNIT, AUTOMOTIVE		P01005	06/10/1992	West Coast Electronics	2501	2330
11	55-100	m	201	170	EVAPORATOR, SERIES 10K		P01005	06/10/1992	West Coast Electronics	2501	2330
12	66-100	BB	500	475	MOTOR, 440AC3PHASE		P01005	06/10/1992	West Coast Electronics	2501	2330
13	66-110	BB	400	375	MOTOR, 7500WATT 110/220AC		P01005	06/10/1992	West Coast Electronics	2501	2330
14	66-120	BB	400	375	MOTOR, DODGE 440CC GAS POWERED		P01005	06/10/1992	West Coast Electronics	2501	2330
15	44-102	LB	500	470	CONTROL UNIT, OFFICE USE		P01006	06/10/1992	West Texas	1000	945
16	44-110	KG	500	475	CONTROL UNIT, AUTOMOTIVE		P01006	06/10/1992	West Texas	1000	945
17	44-100	EA	500	470	CONTROL UNIT, HOME USE	METAL CASE - IRON	P01007	06/10/1992	West Coast Electronics	2501	2330
18	44-110	KG	500	475	CONTROL UNIT, AUTOMOTIVE		P01007	06/10/1992	West Coast Electronics	2501	2330
19	55-100	m	201	170	EVAPORATOR, SERIES 10K		P01007	06/10/1992	West Coast Electronics	2501	2330
20	66-100	BB	500	475	MOTOR, 440AC3PHASE		P01007	06/10/1992	West Coast Electronics	2501	2330
21	66-110	BB	400	375	MOTOR, 7500WATT 110/220AC		P01007	06/10/1992	West Coast Electronics	2501	2330
22	66-120	BB	400	375	MOTOR, DODGE 440CC GAS POWERED		P01007	06/10/1992	West Coast Electronics	2501	2330
23	44-102	LB	500	470	CONTROL UNIT, OFFICE USE		P01008	06/10/1992	West Texas	1000	945
24	44-110	KG	500	475	CONTROL UNIT, AUTOMOTIVE		P01008	06/10/1992	West Texas	1000	945
25	44-100	EA	500	470	CONTROL UNIT, HOME USE	METAL CASE - IRON	P01009	06/10/1992	West Coast Electronics	2501	2330
26	44-110	KG	500	475	CONTROL UNIT, AUTOMOTIVE		P01009	06/10/1992	West Coast Electronics	2501	2330
27	55-100	m	201	170	EVAPORATOR, SERIES 10K		P01009	06/10/1992	West Coast Electronics	2501	2330
28	66-100	BB	500	475	MOTOR, 440AC3PHASE		P01009	06/10/1992	West Coast Electronics	2501	2330
29	66-110	BB	400	375	MOTOR, 7500WATT 110/220AC		P01009	06/10/1992	West Coast Electronics	2501	2330
30	66-120	BB	400	375	MOTOR, DODGE 440CC GAS POWERED		P01009	06/10/1992	West Coast Electronics	2501	2330
31	44-102	LB	500	470	CONTROL UNIT, OFFICE USE		P01010	06/10/1992	West Texas	1000	945
32	44-110	KG	500	475	CONTROL UNIT, AUTOMOTIVE		P01010	06/10/1992	West Texas	1000	945

- Click on the **HTML** button to see the text report in HTML format

Fraser Stream - Browser Output

## Browser Output

Close

Input File : C:\Program Files\Fraser Stream\Fraser Stream Reports\InputFiles\tmp\_file.txt  
Output File : C:\Program Files\Fraser Stream\Fraser Stream Reports\HTMLOutput\Purchase Orders Report Sample Report for Documentation.html

Print Date: 24/11/2004

Purchase Order : P01003  
Order Date : 06/10/92  
Supplier Name : West Coast Electronics

Ln	Item Number	UM	Qty Ordered	Qty Open	Description 1	Description 2
1	44-100	EA	500.0	470.0	CONTROL UNIT, HOME USE	METAL CASE - IRON
2	44-110	KG	500.0	475.0	CONTROL UNIT, AUTOMOTIVE	
3	55-100	m	201.0	170.0	EVAPORATOR,SERIES 10K	
5	66-100	BB	500.0	475.0	MOTOR,440AC3PHASE	
6	66-110	BB	400.0	375.0	MOTOR,7500WATT 110/220AC	
7	66-120	BB	400.0	375.0	MOTOR,DODGE 440CC GAS POWERED	

Total Quantity Ordered : 2501.0  
Total Quantity Open : 2330.0

Purchase Order : P01004  
Order Date : 06/10/92  
Supplier Name : West Texas

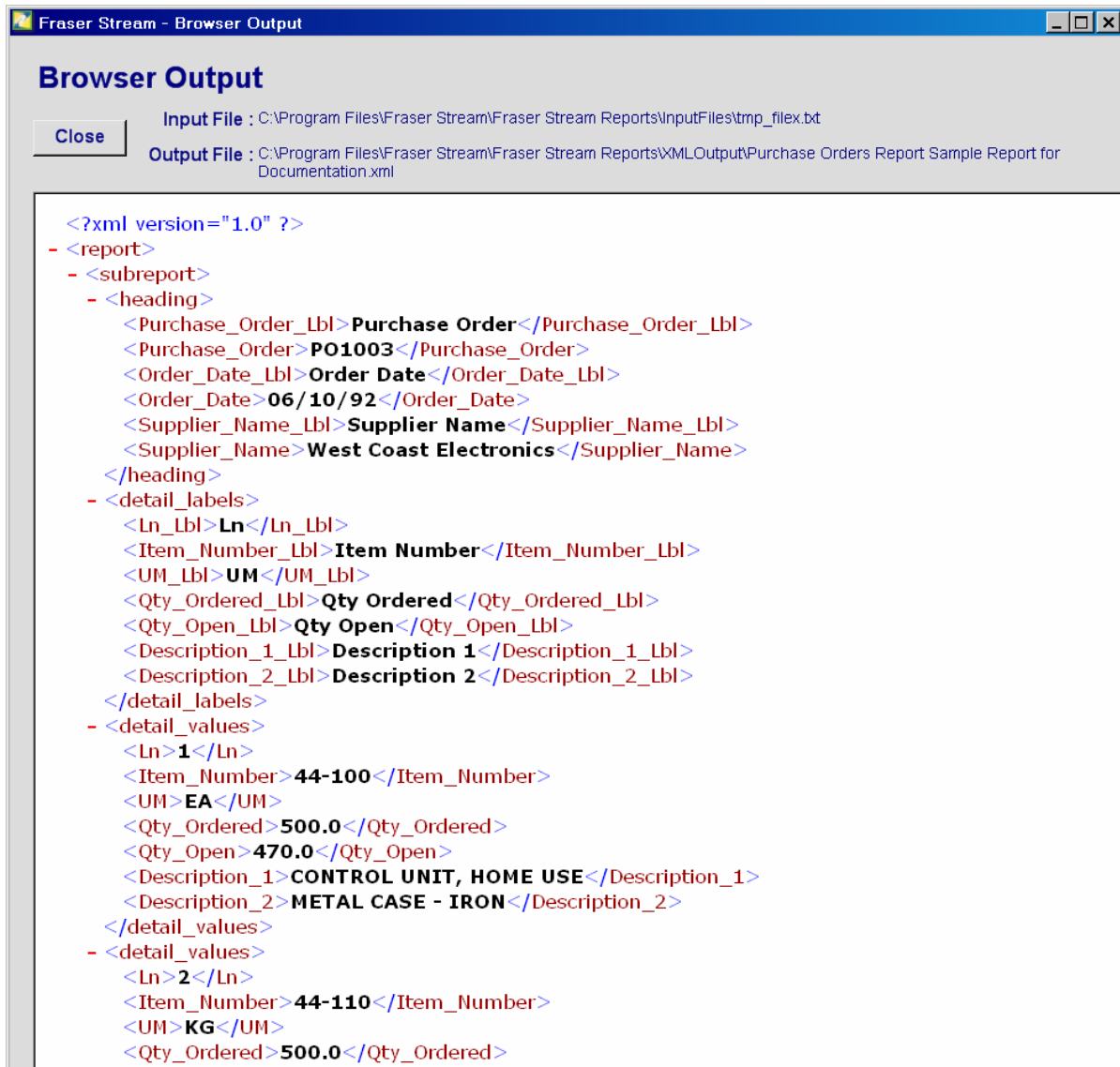
Ln	Item Number	UM	Qty Ordered	Qty Open	Description 1	Description 2
1	44-102	LB	500.0	470.0	CONTROL UNIT, OFFCE USE	
2	44-110	KG	500.0	475.0	CONTROL UNIT, AUTOMOTIVE	

Total Quantity Ordered : 1000.0  
Total Quantity Open : 945.0

Purchase Order : P01005  
Order Date : 06/10/92  
Supplier Name : West Coast Electronics

Ln	Item Number	UM	Qty Ordered	Qty Open	Description 1	Description 2
1	44-100	EA	500.0	470.0	CONTROL UNIT, HOME USE	METAL CASE - IRON
2	44-110	KG	500.0	475.0	CONTROL UNIT, AUTOMOTIVE	
3	55-100	m	201.0	170.0	EVAPORATOR,SERIES 10K	
5	66-100	BB	500.0	475.0	MOTOR,440AC3PHASE	
6	66-110	BB	400.0	375.0	MOTOR,7500WATT 110/220AC	
7	66-120	BB	400.0	375.0	MOTOR,DODGE 440CC GAS	

8. Click on the **XML** button to see the text report in XML format



The screenshot shows a web browser window titled "Fraser Stream - Browser Output". The page has a header section with a "Close" button and two file paths: "Input File : C:\Program Files\Fraser Stream\Fraser Stream Reports\InputFiles\tmp\_filex.txt" and "Output File : C:\Program Files\Fraser Stream\Fraser Stream Reports\XMLOutput\Purchase Orders Report Sample Report for Documentation.xml". The main content area displays XML data for two purchase orders, with each line of XML code preceded by a red minus sign. The XML structure includes a root element <?xml version="1.0" ?>, followed by <report>, <subreport>, <heading>, <detail\_labels>, <detail\_values>, and </detail\_values> for each item.


```
<?xml version="1.0" ?>
- <report>
- <subreport>
- <heading>
  <Purchase_Order_Lbl>Purchase Order</Purchase_Order_Lbl>
  <Purchase_Order>PO1003</Purchase_Order>
  <Order_Date_Lbl>Order Date</Order_Date_Lbl>
  <Order_Date>06/10/92</Order_Date>
  <Supplier_Name_Lbl>Supplier Name</Supplier_Name_Lbl>
  <Supplier_Name>West Coast Electronics</Supplier_Name>
</heading>
- <detail_labels>
  <Ln_Lbl>Ln</Ln_Lbl>
  <Item_Number_Lbl>Item Number</Item_Number_Lbl>
  <UM_Lbl>UM</UM_Lbl>
  <Qty_Ordered_Lbl>Qty Ordered</Qty_Ordered_Lbl>
  <Qty_Open_Lbl>Qty Open</Qty_Open_Lbl>
  <Description_1_Lbl>Description 1</Description_1_Lbl>
  <Description_2_Lbl>Description 2</Description_2_Lbl>
</detail_labels>
- <detail_values>
  <Ln>1</Ln>
  <Item_Number>44-100</Item_Number>
  <UM>EA</UM>
  <Qty_Ordered>500.0</Qty_Ordered>
  <Qty_Open>470.0</Qty_Open>
  <Description_1>CONTROL UNIT, HOME USE</Description_1>
  <Description_2>METAL CASE - IRON</Description_2>
</detail_values>
- <detail_values>
  <Ln>2</Ln>
  <Item_Number>44-110</Item_Number>
  <UM>KG</UM>
  <Qty_Ordered>500.0</Qty_Ordered>
```

- Click on the **XML with Style Sheets** button to open the XML file using a Style Sheet. You may customize the Style Sheet to display your company's logo, fonts, colors, background or any other HTML elements.

Fraser Stream - Browser Output

**Browser Output**

Close Input File : C:\Program Files\Fraser Stream\Fraser Stream Reports\InputFiles\trnp\_filex.bt  
Output File : C:\Program Files\Fraser Stream\Fraser Stream Reports\XMLOutput\Purchase Orders Report Sample Report for Documentation.xml



*NOTE: This HTML file has been generated using this Style Sheet TEMPLATE: C:\Program Files\Fraser Stream\Fraser Stream Reports\XMLOutput\XSLT\Purchase Orders Report Sample Report for Documentation.xslt. You could change the layout of the report if you customize the Style Sheet. You may add your company's logo, fonts, column size, background or other HTML elements. FRASER STREAM SOFTWARE provides a service to create Style Sheets for your reports - See services at [www.fraserstream.com](http://www.fraserstream.com)*

**Purchase Orders Report**

Purchase Order: PO1003  
Order Date: 06/10/92  
Supplier Name: West Coast Electronics

Ln	Item Number	UM	Qty Ordered	Qty Open	Description 1	Description 2
1	44-100	EA	500.0	470.0	CONTROL UNIT, HOME USE	METAL CASE - IRON
2	44-110	KG	500.0	475.0	CONTROL UNIT, AUTOMOTIVE	
3	55-100	m	201.0	170.0	EVAPORATOR,SERIES 10K	
5	66-100	BB	500.0	475.0	MOTOR,440AC3PHASE	
6	66-110	BB	400.0	375.0	MOTOR,7500WATT 110/220AC	
7	66-120	BB	400.0	375.0	MOTOR,DODGE 440CC GAS POWERED	

Total Quantity Ordered: 2501.0  
Total Quantity Open: 2330.0

Purchase Order: PO1004  
Order Date: 06/10/92  
Supplier Name: West Texas

Ln	Item Number	UM	Qty Ordered	Qty Open	Description 1	Description 2
1	44-102	LB	500.0	470.0	CONTROL UNIT, OFFICE USE	
2	44-110	KG	500.0	475.0	CONTROL UNIT, AUTOMOTIVE	

Total Quantity Ordered: 1000.0  
Total Quantity Open: 945.0

### 3.3 Changing Text Report Transformation Settings

If you decide that the settings you've created for a particular type of text report are not exactly what you need, rather than creating a whole new set of settings you can modify existing ones. Fraser Stream Integration will allow you to make modifications, to include, exclude, or rearrange the way the information is being extracted.

Begin by selecting the text report from the main menu. Second, select the transformation settings that you wish to change from the drop down list.

In the Tools menu, select **Change Text Report Settings**.

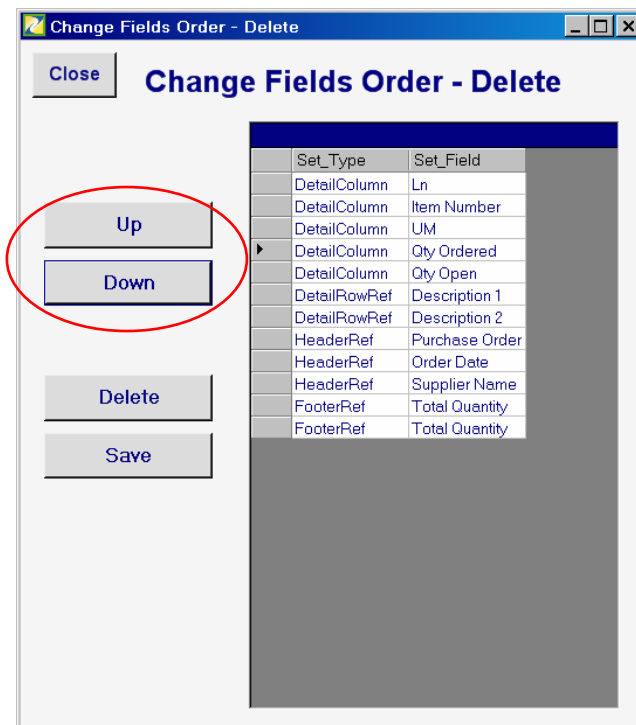
The transformation settings page will appear displaying the settings as they were originally mapped. For the purposes of this tutorial, we will be working with the same set of settings as in section 3.2 for the text report **Example 01.txt**.

#### 3.3.1 Changing Field Order

You may change the order in which data is extracted from the original text report. By default, the order in which a field is mapped corresponds to the order in which it is displayed in the output. In our example, the detail section was mapped in the following order: **Line, Item Number, Quantity Ordered, Quantity Open** followed by the header fields and then the footer fields (refer to section 3.2).

Changing the order of these fields in the output is quite simple.

Click on the **Change Order – Delete** button at the top of the transformation settings page. A window with the field listing will appear.



Note the different types of fields are listed from the transformation settings i.e. Detail Columns, Detail Row References, Header References, Footer References etc...

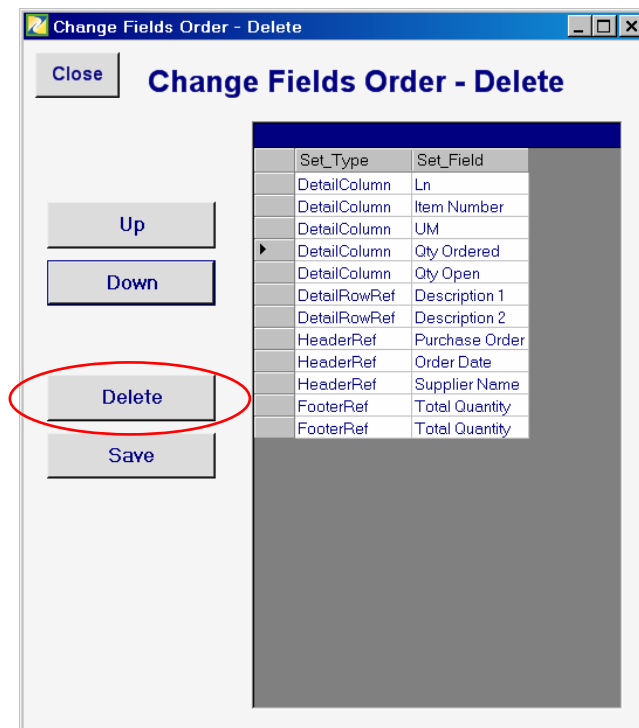
1. **Click on a field in the Set\_Type (Settings Type) column to select it.**  
(an arrow will appear next to the row)

2. **Use the Up or Down keys** to change the order of the fields.
3. **Click the Save button** to save the changes.
4. **Click the Close button** to exit the window.

### 3.3.2 Deleting Fields

Fields may be deleted from existing transformation settings. To delete a field(s) follow the steps from section 3.3.1.

Select the field you wish to delete and click on the Delete button to remove the field from the transformation settings.



### 3.3.3 Adding Fields

Adding fields to existing transformation settings is relatively straightforward. Once in the transformation settings screen, follow the steps from section 3.2. Simply highlight the relevant cells or coordinates, click the **Add Selection** button and define the selection type.

Remember to click the **Save Settings** button to ensure the old settings are overwritten.





### 3.4 Transformation Settings for CSV and Delimited Files

Fraser Stream Integration provides a special menu for creating transformation settings for CSV or Delimited files. The standard transformation setting screen is geared towards text reports where quite often the final output is a CSV file.

In some cases the user may want to create an XML, HTML, or XML with style sheets output file from a CSV or delimited source file.

### 3.4.1 Creating/Editing CSV and Delimited File Transformation Settings

To create new transformation settings for your CSV or delimited file, open Fraser Stream Integration and click on the **Select a text report** button.

Select your text report. If transformation settings have already been mapped for this type of report they will appear listed in the drop down list. If none exist the drop down list will appear blank. For the purposes of this tutorial, select the sample file from the following folder:

***.\Program Files\Fraser Stream\Fraser Stream Integration\Examples\Delimited by Comma 0012.txt***

In the tools menu select **CSV and Delimited File Settings**.

**NOTE:** Existing delimited settings can also be changed through this same menu – covered in section 3.4.2.

A special **CSV and Delimited File Transformation Settings** page will open.

CSV and Delimited files Transformation Settings

Close

## CSV and Delimited files Transformation Settings

1 Title:

Delimited by comma

2 Delimiter:

Comma

3 Add Fields Labels

Work\_Order,Item\_Number,Item\_Description,ID,Status,Qty\_Ordered,Qty\_Completed,Order\_Date,Release\_Date,Due\_Date,Component\_Number,Com

4 File Identifier

Fields List Work\_Or

5 Validate Settings

Change Fields Order

6 Save Settings

7 Output:

View CSV

View HTML

View XML

View XML + XSL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	
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Since the sample file we are using already has mapped settings, the fields shown in the example above are already pre-populated with the setting elements. To create new settings we will simply overwrite these fields.

## 1. Title

Enter a title for the new settings. As an example enter **Sample Delimited Settings**

## 2. Delimiter

Specify whether the file is delimited by a comma, colon, space, or tab.

### 3. Add Field Labels

Field labels must be present in the delimited file and must be defined. To define the row with the field labels, highlight the row by clicking on the row header on the left side of the screen.

[illegible]

Click on the Add Field Labels button. Fraser Stream Integration will scan the row and assign the field labels using the identified delimiter from step 2.

If the row that contains the labels for each field (or each column) does not exist then you may manually input the column or row labels in the **Add Field Labels** field. Ensure that each entry is separated by the same delimiter that you identified in the **Delimiter** field (step 2). The number of labels must match the number of delimited fields in each line.

#### 4. File Identifier

Fraser Stream will automatically assign a File Identifier. This is a unique string of characters used by the application to identify the csv or delimited file. This unique identifier string is used to by Fraser Stream Integration to determine which transformation settings to apply when the file is opened.

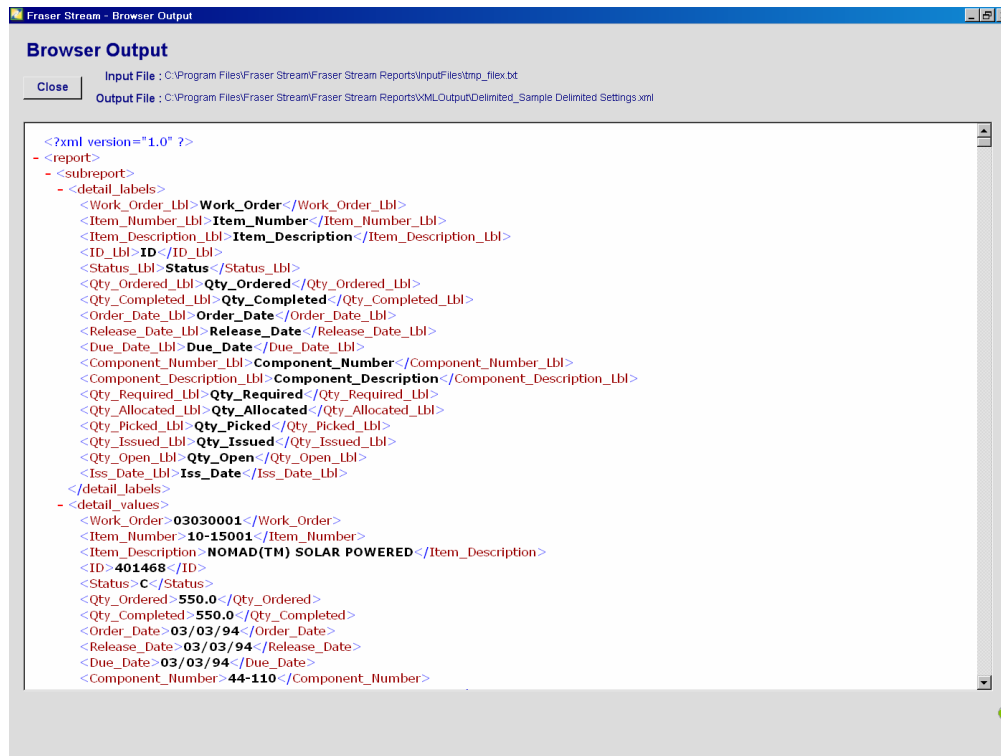
## 5. Validate Settings

Click on the validate settings to ensure all the fields have been identified. Fraser Stream Integration will identify the field delimiters within the row identified in step 3.



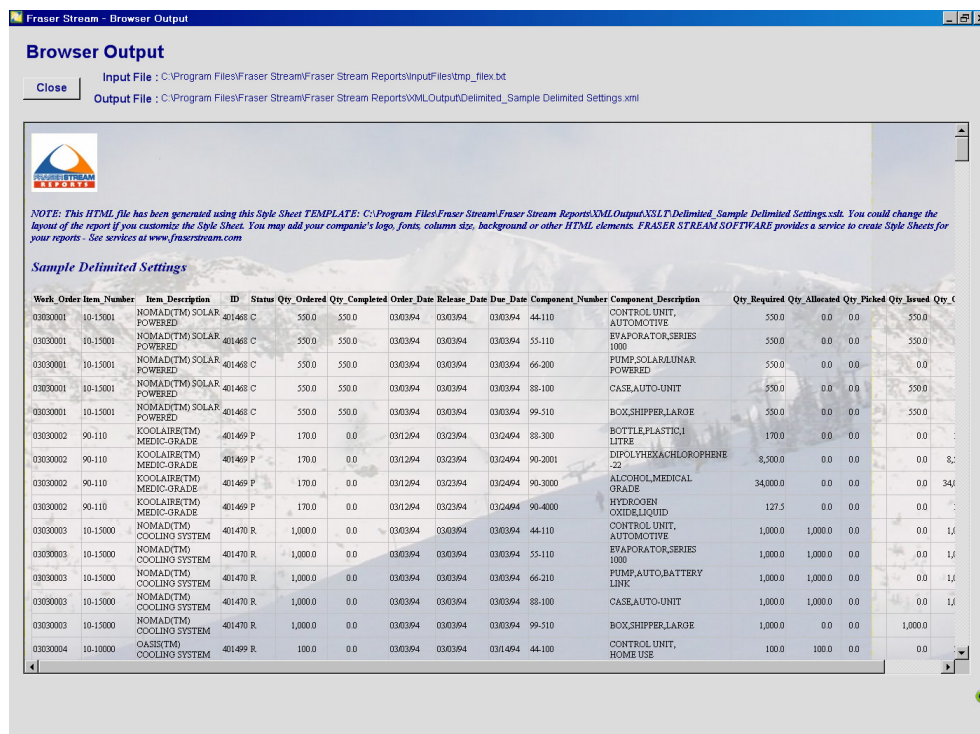
## 7. Save Settings

Click the Save Settings button to save the overall delimited transformation settings. At this point you may preview your output files by clicking on the various output buttons. The current file viewed as an XML would appear as follows:



The screenshot shows a web browser window titled "Fraser Stream - Browser Output". The address bar shows the URL "C:\Program Files\Fraser Stream\Fraser Stream Reports\XMLOutput\Delimited\_Sample Delimited Settings.xml". The main content area displays XML data for a report. The XML structure includes a root element <?xml version="1.0" ?>, followed by <report> and <subreport> elements. The <subreport> element contains <detail\_labels> and <detail\_values> sections. The <detail\_labels> section lists various fields with their corresponding XML tags, such as <Work\_Order\_Lbl>, <Item\_Number\_Lbl>, <Item\_Description\_Lbl>, <ID\_Lbl>, <Status\_Lbl>, <Qty\_Ordered\_Lbl>, <Qty\_Completed\_Lbl>, <Order\_Date\_Lbl>, <Release\_Date\_Lbl>, <Due\_Date\_Lbl>, <Component\_Number\_Lbl>, <Component\_Description\_Lbl>, <Qty\_Required\_Lbl>, <Qty\_Allocated\_Lbl>, <Qty\_Picked\_Lbl>, <Qty\_Issued\_Lbl>, <Qty\_Open\_Lbl>, and <Iss\_Date\_Lbl>. The <detail\_values> section provides the actual data for these fields, such as <Work\_Order> 03030001, <Item\_Number> 10-15001, <Item\_Description> NOMAD(TM) SOLAR POWERED, <ID> 401468, <Status> C, <Qty\_Ordered> 550.0, <Qty\_Completed> 550.0, <Order\_Date> 03/03/94, <Release\_Date> 03/03/94, <Due\_Date> 03/03/94, <Component\_Number> 44-110, and <Component\_Description> CONTROL UNIT, AUTOMOTIVE.

The same file as XML with Style Sheets viewed through Fraser Stream Integration.



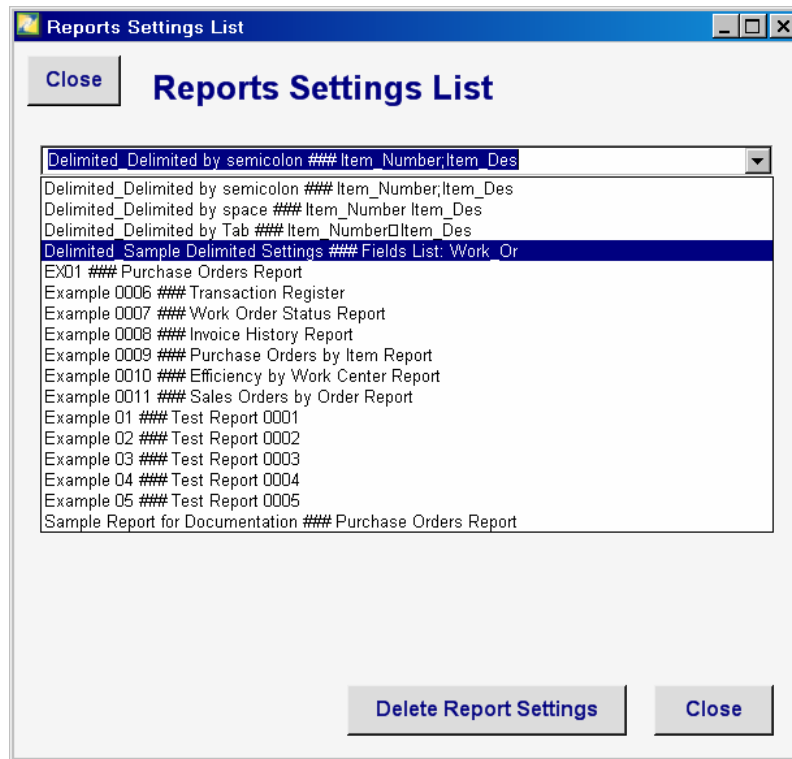
The screenshot shows the same XML data as the previous image, but with a style sheet applied. The data is presented in a table format with columns for Work\_Order, Item\_Number, Item\_Description, ID, Status, Qty\_Ordered, Qty\_Completed, Order\_Date, Release\_Date, Due\_Date, Component\_Number, Component\_Description, Qty\_Required, Qty\_Allocated, Qty\_Picked, Qty\_Issued, and Qty\_Open. The table contains 16 rows of data, including items like NOMAD(TM) SOLAR POWERED, KOOLABET(M) MEDIC-GRADE, and NOMAD(TM) COOLING SYSTEM. The table is styled with a light blue background and a grid border. A note at the top of the table area states: "NOTE: This HTML file has been generated using this Style Sheet TEMPLATE: C:\Program Files\Fraser Stream\Fraser Stream Reports\XMLOutput\XSLT\Delimited\_Sample Delimited Settings.xsl. You could change the layout of the report if you customize the Style Sheet. You may add your company's logo, fonts, column size, background or other HTML elements. FRASER STREAM SOFTWARE provides a service to create Style Sheets for your reports - See services at www.fraserstream.com".

Work_Order	Item_Number	Item_Description	ID	Status	Qty_Ordered	Qty_Completed	Order_Date	Release_Date	Due_Date	Component_Number	Component_Description	Qty_Required	Qty_Allocated	Qty_Picked	Qty_Issued	Qty_Open
03030001	10-15001	NOMAD(TM) SOLAR POWERED	401468	C	550.0	550.0	03/03/94	03/03/94	03/03/94	44-110	CONTROL UNIT, AUTOMOTIVE	550.0	0.0	0.0	0.0	550.0
03030001	10-15001	NOMAD(TM) SOLAR POWERED	401468	C	550.0	550.0	03/03/94	03/03/94	03/03/94	55-110	EVAPORATOR, SERIES 1000	550.0	0.0	0.0	0.0	550.0
03030001	10-15001	NOMAD(TM) SOLAR POWERED	401468	C	550.0	550.0	03/03/94	03/03/94	03/03/94	66-200	PUMP, SOLAR/LUNAR POWERED	550.0	0.0	0.0	0.0	0.0
03030001	10-15001	NOMAD(TM) SOLAR POWERED	401468	C	550.0	550.0	03/03/94	03/03/94	03/03/94	88-100	CASE, AUTO-UNIT	550.0	0.0	0.0	0.0	550.0
03030001	10-15001	NOMAD(TM) SOLAR POWERED	401468	C	550.0	550.0	03/03/94	03/03/94	03/03/94	99-510	BOX, SHIPPER, LARGE	550.0	0.0	0.0	0.0	550.0
03030002	90-110	KOOLABET(M) MEDIC-GRADE	401469	P	170.0	0.0	03/12/94	03/12/94	03/12/94	88-300	BOTTLE, PLASTIC, 1 LITRE	170.0	0.0	0.0	0.0	0.0
03030002	90-110	KOOLABET(M) MEDIC-GRADE	401469	P	170.0	0.0	03/12/94	03/12/94	03/12/94	90-2001	DIPOLYHEXACHLOROPHENE	8,500.0	0.0	0.0	0.0	8,500.0
03030002	90-110	KOOLABET(M) MEDIC-GRADE	401469	P	170.0	0.0	03/12/94	03/12/94	03/12/94	90-3000	ALCOHOL, MEDICAL GRADE	34,000.0	0.0	0.0	0.0	34,000.0
03030002	90-110	KOOLABET(M) MEDIC-GRADE	401469	P	170.0	0.0	03/12/94	03/12/94	03/12/94	90-4000	HYDROCOIN OXIDE, LIQUID	127.5	0.0	0.0	0.0	0.0
03030003	10-15000	NOMAD(TM) COOLING SYSTEM	401470	R	1,000.0	0.0	03/03/94	03/03/94	03/03/94	44-110	CONTROL UNIT, AUTOMOTIVE	1,000.0	1,000.0	0.0	0.0	1,000.0
03030003	10-15000	NOMAD(TM) COOLING SYSTEM	401470	R	1,000.0	0.0	03/03/94	03/03/94	03/03/94	55-110	EVAPORATOR, SERIES 1000	1,000.0	1,000.0	0.0	0.0	1,000.0
03030003	10-15000	NOMAD(TM) COOLING SYSTEM	401470	R	1,000.0	0.0	03/03/94	03/03/94	03/03/94	66-210	PUMP, AUTO, BATTERY LINK	1,000.0	1,000.0	0.0	0.0	1,000.0
03030003	10-15000	NOMAD(TM) COOLING SYSTEM	401470	R	1,000.0	0.0	03/03/94	03/03/94	03/03/94	88-100	CASE, AUTO-UNIT	1,000.0	1,000.0	0.0	0.0	1,000.0
03030003	10-15000	NOMAD(TM) COOLING SYSTEM	401470	R	1,000.0	0.0	03/03/94	03/03/94	03/03/94	99-510	BOX, SHIPPER, LARGE	1,000.0	0.0	0.0	0.0	1,000.0
03030004	10-10000	CASE(TM) COOLING SYSTEM	401499	R	100.0	0.0	03/03/94	03/03/94	03/14/94	44-100	CONTROL UNIT, HOME USE	100.0	100.0	0.0	0.0	0.0

### 3.5 Managing Transformation Settings

Fraser Stream Integration saves every single set of transformation settings and stores these in a special settings file. This file may be maintained and old settings may periodically be deleted for reports that are no longer important or available.

Under Tools in the Main Menu you will find a Report Settings List.



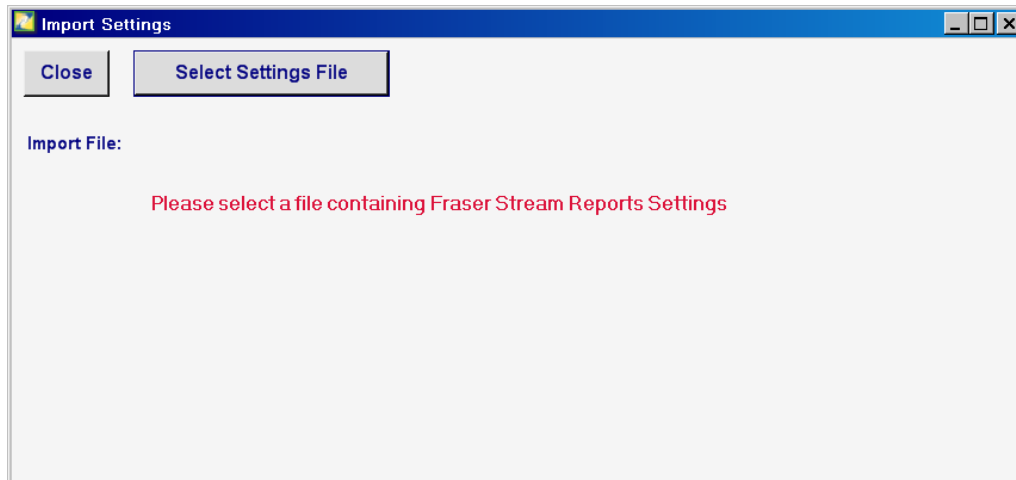
Highlight the settings you wish to delete and click the Delete Report Settings button. Be sure to select the correct settings as they can not be recovered once deleted.

### 3.6 Sharing Transformation Settings

Creating transformation settings for your text reports is the most time consuming task when using Fraser Stream Integration. Fortunately this task need only be performed once for each type of text report.

To save time, Fraser Stream Integration allows you to share your transformation settings with other Fraser Stream Integration users. The process involved importing someone else's transformation settings – any new report settings will automatically be appended to your personal settings file.

1. If you want to share your settings with someone else, begin by copying your settings file:  
.*\Program Files\Fraser Stream\Fraser Stream Integration\SetFiles\FraserSet.fss*
2. Send the settings file (either copy to user's folder or email to user) to a place where the other user can access it. If emailing, the recipient will need to save the file somewhere on their computer or network.
3. The recipient needs to start Fraser Stream Integration
4. In the Main Menu select Import Settings from the Tools menu.



5. Click the Select Settings File button.
6. Select the received settings file from the local drive or network location where it was saved.
7. Fraser Stream Integration will automatically append any new settings files that do not already exist in the recipient's personal settings file. Fraser Stream will indicate how many records were appended.

## 4 Special Functions

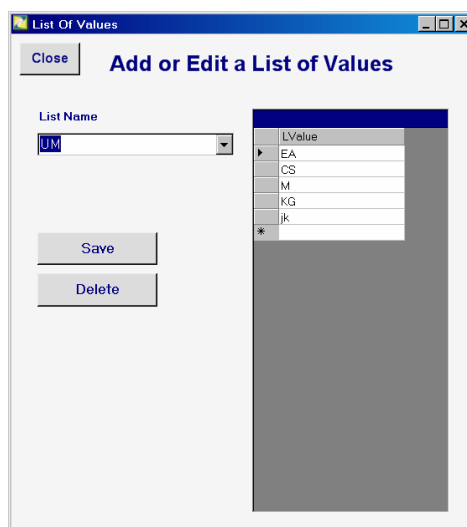
Fraser Stream Report includes several special functions included to make your text file transformation easier.

### 4.1 List of Values

If you are unable to find a character (i.e. slash, dot, comma etc...) to serve as a suitable Detail Pivot then you can use a set of values that appear within the text report.

For example a text report may contain a **Units of Measure** column in the detail section of the report. The values found in this column can be defined as the detail pivot. The key is that you define all the possible units of measure in that report in Fraser Stream Integration' List of Values table.

The List of Values table can be found under the Tools menu.





Create a **List Name** by typing in a name in the List Name field. Alternatively you can use one of the existing List Names if applicable. A new List Name will create a table on the right side of the List of Values window. Key in all the possible values that appear in your text report; each time the transformation occurs, Fraser Stream Integration will search for these values to determine if the line is to be included as a report detail.

## 4.2 XML with Style Sheets

As mentioned in previous sections, one of the output options is XML with Style Sheets. Style Sheets allow you to customize the look and feel of your report while still retain the XML characteristics of the file.

Within the Fraser Stream Integration root directory there exists the following folder:

C:\Program Files\Fraser Stream\Fraser Stream Integration\XMLOutput\

Within this folder you will find two subfolders called **Images** and **XSLT**.

The former can be used to store company logos etc... for use within your style sheets.

The latter contains the actual XSLT files or style sheets that define the look and feel of the report.

## Contact US

If you any inquiries about Fraser Stream Report or require assistance with the application please do not hesitate to contact us.

**Email:** [support@fraserstream.com](mailto:support@fraserstream.com)

**Phone:** 1 604 943 0813

Fraser Stream Software provides services to create Transformation Settings and Style Sheets for your reports. See the Services section at [www.fraserstream.com](http://www.fraserstream.com)

To register Fraser Stream Integration fax a Purchase Order to: 1 604 608 5418 or by email to [sales@fraserstream.com](mailto:sales@fraserstream.com)