

Spreadsheet File Transfer User Guide for FR Y-12 SERIES

Federal Reserve System

STATISTICS FUNCTION
AUTOMATION SUPPORT

December 1, 2016

Contents

Overview	1
File Format for FR Y-12	1
Line Identifiers to be used for FR Y-12 (03/31/2013 - 9/30/2016).....	4
How to create a FR Y-12 Text file (03/31/2013 – 9/30/2016)	7
How to create a FR Y-12 Text file (12/31/2016+).....	14

Overview

The Federal Reserve System's Reporting Central Application provides the ability to submit spreadsheet files (*e.g.*, Microsoft Excel©), via the internet. As a result, reporting institutions that use a spreadsheet to prepare their data will not have to key their data into a web page form. While this feature was provided for reporting institutions using spreadsheets, the file can be created by any other backend system that a reporting institution uses to generate its data.

This document provides the required file format for submitting the data via Reporting Central, and demonstrates how a reporting institution can create the file from a spreadsheet.

We used Microsoft Excel© for our examples but the same process can be applied to other spreadsheet software. The method utilized to create the file is at the discretion of the reporter.

This guide assumes that your data already exist in a spreadsheet.

This document demonstrates how to create files for the FR Y-12 Series. We used formulae to pull the data from the spreadsheet worksheets containing the data and format them for Reporting Central.

File Format for FR Y-12

Report Header Record for FR Y-12

The Report Header Record must be the first record in the file.

<u>Field</u>	<u>Length</u>	<u>Type</u>	<u>Value/Description</u>
Report Institution ID	10	NUM	10-digit respondent identifier
Report Name	10	ALPHA	'FRY12' followed by five blanks
Report As-of date	10	NUM	10-digit date, MM-DD-YYYY, which represents the as of date of the report

Report Data Record for FR Y-12

There must be one Report Data Record for each line of the report form.

Field	Length	Type	Value/Description
Line Identifier	5	ALPHA L	followed by 4-character Line Identifier of the report form – see next section of this document for Line Identifiers (use for 3/31/2013 through 9/30/2016 as of dates).
Line Identifier	9	ALPHA L	followed by 8-character MDRM - see Appendix A to convert the 4-character Line Identifier to an 8-character MDRM (starts with the 12/31/2016 as of date).

The next pair of fields (the separator ‘+’ sign and the data value) occurs as many times as there are columns on the online report form.

The online report form effective from 3/31/2013 through 9/30/2016 as of dates contains just one row per column. So just one ‘+’ and data value had to be indicated for each line identifier or row.

From 12/31/2016 on, since the online report form contains a maximum of four columns for certain rows, four ‘+’ signs have to be indicated for all rows in the file upload even when the row on the online report form does not have four columns associated with it. In addition, the file upload should contain the 8-character MDRM specified on each row for the first column only. Subsequent column MDRMs will be derived from the position of the ‘+’ on the row in the file upload. So, the second ‘+’ sign stands for the second column and its associated MDRM and so on. For rows on the report form that contain just one column, the first ‘+’ will signify the one column and the other three ‘+’ will not have any meaning. **Skip to page 14 for creation of file uploads for as of date 12/31/2016 and on.**

Field	Length	Type	Value/Description
+	1	ALPHA	‘+’ (plus) sign, used as column separator and indicates that financial data follows the separator.
Data Value	0-9	NUM	Numeric data value being reported for the cell defined by that row and column. Value must be in one of the following formats: <ul style="list-style-type: none"> • an unsigned one to nine-digit vvalue if positive (999999999); • zero (unsigned) if zeros is the applicable value; • null, if the data field is not applicable.

Note: Do not zero fill the report. If you do not have data for a cell, leave the cell null.

Text Value

1-20 ALPHA

Text data value being reported for text cells. The delimiter for text is two underscores or ‘__’. The two underscores must be placed after the line identifier but before the text entry begins. Two more underscores must be placed at the end of the text entry.

For most text entries, up to 20 characters are allowed. See pages 3-5 for actual character limits for text fields.

The Explanatory Message field for the entire report allows the entry of 4000 maximum characters.

Line Identifiers to be used for FR Y-12 (03/31/2013 through 9/30/2016 as of dates)

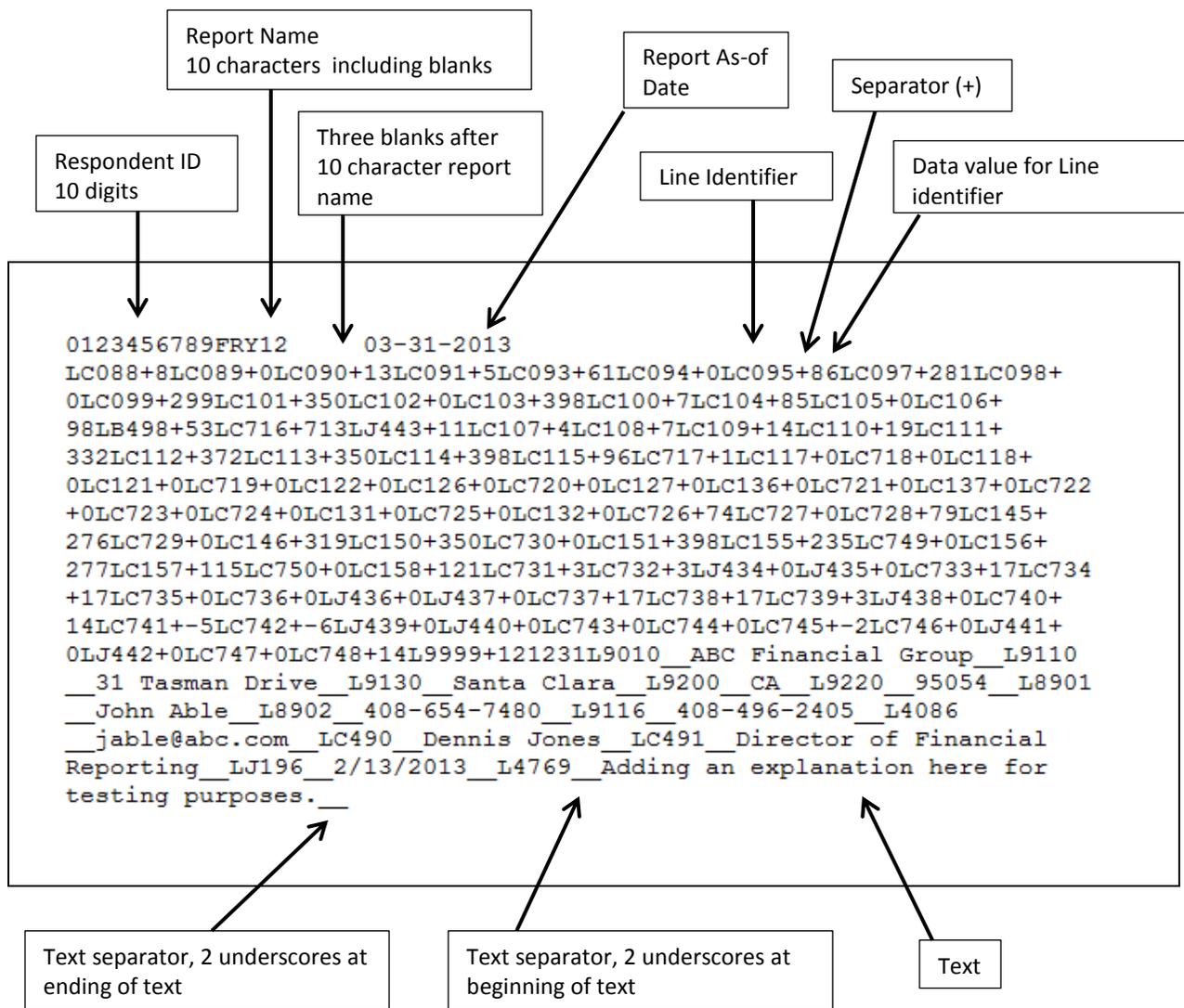
Consolidated Holding Company Report of Equity Investments in Nonfinancial Companies – FR Y-12

Line Code	Identifier	Text Data
C088	LC088	
C089	LC089	
C090	LC090	
C091	LC091	
C093	LC093	
C094	LC094	
C095	LC095	
C097	LC097	
C098	LC098	
C099	LC099	
C101	LC101	
C102	LC102	
C103	LC103	
C100	LC100	
C104	LC104	
C105	LC105	
C106	LC106	
B498	LB498	
C716	LC716	
J443	LJ443	
C107	LC107	
C108	LC108	
C109	LC109	
C110	LC110	
C111	LC111	
C112	LC112	
C113	LC113	
C114	LC114	
C115	LC115	
C717	LC717	
C117	LC117	
C718	LC718	
C118	LC118	
C121	LC121	
C719	LC719	
C122	LC122	
C126	LC126	
C720	LC720	
C127	LC127	
C136	LC136	
C721	LC721	
C137	LC137	
C722	LC722	
C723	LC723	
C724	LC724	
C131	LC131	

Line Code	Identifier	Text Field
C725	LC725	
C132	LC132	
C726	LC726	
C727	LC727	
C728	LC728	
C145	LC145	
C729	LC729	
C146	LC146	
C150	LC150	
C730	LC730	
C151	LC151	
C155	LC155	
C749	LC749	
C156	LC156	
C157	LC157	
C750	LC750	
C158	LC158	
C731	LC731	
C732	LC732	
J434	LJ434	
J435	LJ435	
C733	LC733	
C734	LC734	
C735	LC735	
C736	LC736	
J436	LJ436	
J437	LJ437	
C737	LC737	
C738	LC738	
C739	LC739	
J438	LJ438	
C740	LC740	
C741	LC741	
C742	LC742	
J439	LJ439	
J440	LJ440	
C743	LC743	
C744	LC744	
C745	LC745	
C746	LC746	
J441	LJ441	
J442	LJ442	
C747	LC747	
C748	LC748	
9999	L9999	
4769	L4769	Text item
4086	L4086	Text item
8901	L8901	Text item
8902	L8902	Text item
9010	L9010	Text item

Line Code	Identifier	Text Field
9110	L9110	Text item
9116	L9116	Text item
9130	L9130	Text item
9200	L9200	Text item
9220	L9220	Text item
C490	LC490	Text item
C491	LC491	Text item
J196	LJ196	Text item

FIGURE 1 - EXAMPLE TEXT FILE FOR FR Y-12 (03/31/2013 through 9/30/2016 as of dates)



How to create a FR Y-12 Text file from a spreadsheet (03/31/2013 through 9/30/2016 as of dates)

FIGURE 2: Example of the hard copy report form in a spreadsheet. Note this is not how the FR Y-12 is represented on Reporting Central. However, the file upload can also be derived from this spreadsheet representation as well as from the one that follows which uses the FR Y-12 as represented on Reporting Central. Most critical to developing the file upload are the cells that contain the item code and the item value amount.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	Schedule A: Type of Investments																
2					(Column A) Acquisition Cost			(Column B) Net Unrealized Holding Gains Not recognized as Income			(Column C) Carrying Value			(Column D) Publicly Quoted Value			
3	Dollar Amounts in Millions				BHEI	Bil	Mil	BHEI	Bil	Mil	BHEI	Bil	Mil	BHEI	Bil	Mil	
4	1. Direct investments in public entities				C088			C089			C090			C091			
5	2. Direct investments in nonpublic entities				C093			C094			C095						
6	3. All indirect investments				C097			C098			C099						
7	4. Total portfolio (sum of items 1, 2, and 3)				C101			C102			C103						
8																	
9																	
10	Memoranda																
11	1. Total portfolio											Number of Companies		1 - 10	11-25	26-100	100+
12												C100					
13					(Column A) Acquisition Cost			(Column B) Net Unrealized Holding Gains Not Recognized as Income			(Column C) Carrying Value						
14	Dollar Amounts in Millions				BHEI	Bil	Mil	BHEI	Bil	Mil	BHEI	Bil	Mil	BHEI	Bil	Mil	
15	Financial holding companies only																
16	2. Investments held under Merchant Banking (GLBA) authority				C104			C105			C106						
17																	
18																	
19												Income Amount			BHEI	Bil	Mil
20	Only for holding companies filing FR Y-9C																
21	3. Pre-tax impact on net income from items 1, 2, and 3 above														B498		
22																	
23																	
24												Off-Balance-Sheet			BHEI	Bil	Mil
25	For all holding companies																
26	4. Investments managed for others													C716			
27																	
28																	
29												Income Amount			BHEI	Bil	Mil
30	For all holding companies																
31	5. Pre-tax impact of management fee income (from item M4 above)														J443		
32																	

FIGURE 3: Example of the FR Y-12 report form, Schedule A only, as it is represented on Reporting Central, placed into a spreadsheet.

	A	B	C	D	E	F
1	Schedule A: Type of Investments					
2	Dollar Amounts in Millions					(Column A) Acquisition Cost
3						1
4	1. Direct investments in public entities				C088	100
5	2. Direct investments in nonpublic entities				C093	100
6	3. All indirect investments				C097	100
7	4. total portfolio (sum of items 1, 2, and 3)				C101	300
8						
9	Dollar Amounts in Millions					(Column B) Net Unrealized Holding Gains Not Recognized as Income
10						1
11	1. Direct investments in public entities				C089	100
12	2. Direct investments in nonpublic entities				C094	100
13	3. All indirect investments				C098	100
14	4. total portfolio (sum of items 1, 2, and 3)				C102	300
15						
16	Dollar Amounts in Millions					(Column C) Carrying Value
17						1
18	1. Direct investments in public entities				C090	100
19	2. Direct investments in nonpublic entities				C095	100
20	3. All indirect investments				C099	200
21	4. total portfolio (sum of items 1, 2, and 3)				C103	400
22						
23	Dollar Amounts in Millions					(Column D) Acquisition Cost
24						1
25	1. Direct investments in public entities				C091	

	A	B	C	D	E	F
26						
27						Number of Companies
28						1
29	Memoranda					
30	1. Total Portfolio - enter "1" for 1-10, "11" for 11-25, "26" for 26-100 or "100" for 100+ to represent the number of companies in your total portfolio.				C100	
31						
32	Dollar Amounts in Millions					(Column A) Acquisition Cost
33						1
34	Financial holding companies only					
35	2. investments hold under Merchant Banking (GLBA) authority				C104	
36						
37	Dollar Amounts in Millions					(Column B) Unrealized Holding Gains Not Recognized as Income
38						1
39	Financial holding companies only					
40	2. investments hold under Merchant Banking (GLBA) authority				C105	
41						
42	Dollar Amounts in Millions					(Column C) Carrying Value
43						1
44	Financial holding companies only					
45	2. investments hold under Merchant Banking (GLBA) authority				C106	
46						
47	Dollar Amounts in Millions					Income Amount
48						1
49	Only for holding companies filing FR Y-9C					
50	3. Pre-tax Impact on net income from items 1,2, and 3 above				B498	

	A	B	C	D	E	F
51						
52	Dollar Amounts in Millions					Off-Balance-Sheet Amount
53						1
54	For all holding companies					
55	4. Investments managed for others				C716	300
56						
57	Dollar Amounts in Millions					Income Amount
58						1
59	Only for holding companies filing FR Y-9C					
60	2. investments hold under Merchant Banking				J443	
61						

FIGURE 4: Example of the FR Y-12 report form, Schedule A only, after data has been entered or fields have been left blank appropriately. The report form has been stripped of all rows that helped identify where data should be entered – headings, blank lines and so forth.

	A	B	C	D	E	F
1	1. Direct investments in public entities				C088	100
2	2. Direct investments in nonpublic entities				C093	100
3	3. All indirect investments				C097	100
4	4. total portfolio (sum of items 1, 2, and 3)				C101	300
5	1. Direct investments in public entities				C089	100
6	2. Direct investments in nonpublic entities				C094	100
7	3. All indirect investments				C098	100
8	4. total portfolio (sum of items 1, 2, and 3)				C102	300
9	1. Direct investments in public entities				C090	100
10	2. Direct investments in nonpublic entities				C095	100
11	3. All indirect investments				C099	200
12	4. total portfolio (sum of items 1, 2, and 3)				C103	400
13	1. Direct investments in public entities				C091	
14	1. Total Portfolio - enter "1" for 1-10, "11" for 11-25, "26 for 26-100 or "100" for 100+ to represent the number of companies in your total portfolio.				C100	
15	2. investments hold under Merchant Banking (GLBA) authority				C104	
16	2. investments hold under Merchant Banking (GLBA) authority				C105	
17	2. investments hold under Merchant Banking (GLBA) authority				C106	
18	3. Pre-tax Impact on net income from items 1,2, and 3 above				B498	
19	4. Investments managed for others				C716	300
20	2. investments hold under Merchant Banking				J443	
21						

Step 1. Create an Excel spreadsheet against the hard-copy report form or against the online representation of the report form on Reporting Central. Either one will work as long as you can identify the cells that contain the item code and the item value amount for the item code.

Once the entire report has been populated on the spreadsheet, save the spreadsheet as a blank report template in which to enter data values for future FR Y-12 reports.

Step 2. Make a copy of the blank report template. Enter all of the data values for a specific FR Y-12 as of date in the copy. Save the spreadsheet copy with the data values. Remove any rows that do not contain data from this spreadsheet. Call this spreadsheet Sheet1.

Now you are ready to format all of your entries from Line identifier LC088 to LJ196 into the required format for a file upload. The file upload then can be input to Reporting Central using the File Upload feature on the application.

Create a formula in cell A1 of Sheet2 to pull in the data from Sheet1.

In cell A1, on Sheet2, type in:

= Sheet1!E1&"+"&Sheet1!F1

(Change the E1 & F1 according to where you have your first Line identifier (C088) value stored in your spreadsheet). This is where removal of all rows that are not meant for data entry from Sheet1 will make the process more expedient. Copy the formula down until all of your Line Identifiers until LJ443 are displayed on Sheet2.

The formula that you typed in basically concatenates the line identifier with the data value, separated with a plus sign. Some of the report forms, not the FR Y-12, have several columns of data for the same line identifier. Those forms would have a “+” representing each column.

At this point, using the formula from Step 2, you should have something similar to this in Sheet2 for Schedule A only of the FR Y-12:

	A
1	LC088+100
2	LC093+100
3	LC097+100
4	LC101+300
5	LC089+100
6	LC094+100
7	LC098+100
8	LC102+300
9	LC090+100
10	LC095+100
11	LC099+200
12	LC103+400
13	LC091+
14	LC100+
15	LC104+
16	LC105+
17	LC106+
18	LB498+
19	LC716+300
20	LJ443+

Step 3. Once you have entered all of the data to the report form and transformed the data using the formula, it is time to copy the contents of Sheet2 to a text file. From within the spreadsheet file do a File^ Save As, select Text (Tab delimited) in the Save As type section. Type a name for the file and click the Save button. Then click OK and Yes to the two MS Excel prompts.

If you open the text file with the Notepad application, you should see something like this:

```
LC088+100
LC093+100
LC097+100
LC101+300
LC089+100
LC094+100
LC098+100
LC102+300
LC090+100
LC095+100
LC099+200
LC103+400
LC091+
LC100+
LC104+
LC105+
LC106+
LB498+
LC716+300
LJ443+
```

Step 4. The last step, once you have saved your report data from Sheet2 into a text file is adding the respondent ID, as-of-date and the report form name as a header to the text file.

Open the newly created text file, place the cursor before the LC088 on the first row of data and press the return key to create an empty first row. Then type in your 10-digit respondent ID code immediately followed by FR Y-12 and three blank spaces (Remember the report form name can be 10 characters long) and then the report's as-of-date for example 03-31-2013 in this particular date format. Save the file and you're done. Once you're done, your first row of data should look similar in format to the file below.

```
0123456789FRY12      03-31-2013
LC088+100
LC093+100
LC097+100
LC101+300
LC089+100
LC094+100
LC098+100
LC102+300
LC090+100
LC095+100
LC099+200
LC103+400
LC091+
LC100+
LC104+
LC105+
LC106+
LB498+
LC716+300
LJ443+
```

If you like, you can combine the separate rows into longer rows to save space in the file. The “L” acts as a separator for the item identifiers and the data accompanying the item identifiers.

```
0123456789FRY12      03-31-2013LC088+100LC093+100LC097+100LC101+300
LC089+100LC094+100LC098+100LC102+300LC090+100LC095+100LC099+200
LC103+400LC091+LC100+LC104+LC105+LC106+LB498+LC716+300LJ443+
```

Now you can go ahead, using the File Upload feature, to upload the data for this report to Reporting Central.

How to create a FR Y-12 Text file from a spreadsheet (12/31/2016 and on)

FIGURE 5: Example of the hard copy report form in a spreadsheet. Note this is not how the FR Y-12 is represented on Reporting Central. However, the file upload can also be derived from this spreadsheet representation as well as from the one that follows which uses the FR Y-12 as represented on Reporting Central. Most critical to developing the file upload are the cells that contain the item code and the item value amount.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Schedule A: Type of Investments															
2					(Column A) Acquisition Cost			(Column B) Net Unrealized Holding Gains Not recognized as Income			(Column C) Carrying Value			(Column D) Publicly Quoted Value		
3	Dollar Amounts in Millions				BHEI	BiI	Mil	BHEI	BiI	Mil	BHEI	BiI	Mil	BHEI	BiI	Mil
4	1. Direct investments in public entities				C088			C089			C090			C091		
5	2. Direct investments in nonpublic entities				C093			C094			C095					
6	3. All indirect investments				C097			C098			C099					
7	4. Total portfolio (sum of items 1, 2, and 3)				C101			C102			C103					
8																
9																
10	Memoranda															
11	1. Total portfolio															
12																
13					(Column A) Acquisition Cost			(Column B) Net Unrealized Holding Gains Not Recognized as Income			(Column C) Carrying Value					
14	Dollar Amounts in Millions				BHEI	BiI	Mil	BHEI	BiI	Mil	BHEI	BiI	Mil	BHEI	BiI	Mil
15	Financial holding companies only															
16	2. Investments held under Merchant Banking (GLBA) authority				C104			C105			C106					
17																
18																
19	Dollar Amounts in Millions															
20	Only for holding companies filing FR Y-9C															
21	3. Pre-tax impact on net income from items 1, 2, and 3 above													B498		
22																
23																
24	Dollar Amounts in Millions															
25	For all holding companies															
26	4. Investments managed for others													C716		
27																
28																
29	Dollar Amounts in Millions															
30	For all holding companies															
31	5. Pre-tax impact of management fee income (from item M4 above)													J443		
32																

Step 1. Create an Excel spreadsheet against the hard-copy report form or against the online representation of the report form on Reporting Central. Either one will work as long as you can identify the cells that contain the item code and the item value amount for the item code.

Once the entire report has been populated on the spreadsheet, save the spreadsheet as a blank report template in which to enter data values for future FR Y-12 reports.

Step 2. Make a copy of the blank report template. Enter all of the data values for a specific FR Y-12 as of date in the copy. Save the spreadsheet copy with the data values. Remove any cells that do not contain data from this spreadsheet. Call this spreadsheet Sheet1.

Now you are ready to format all of your entries from MDRM BHEIC088 to BHEIJ196 into the required format for a file upload. The file upload then can be input to Reporting Central using the File Upload feature on the application.

FIGURE 7: Sheet1 - example of the FR Y-12 report form, Schedule A only, stripped of all formatting aides with just MDRMs and values for the MDRMs remaining.

BHEIC088	100	100	100
BHEIC089			
BHEIC090			
BHEIC091			
BHEIC093	100	100	100
BHEIC094			
BHEIC095			
BHEIC097	100	100	200
BHEIC098			
BHEIC099			
BHEIC101	300	300	400
BHEIC102			
BHEIC103			
BHEIC100	11		
BHEIC104	85	0	98
BHEIC105			
BHEIC106			
BHEIB498	53		
BHEIC716	300		
BHEIJ443	11		

Step 3. Make a copy of Sheet1 and call it Sheet2. Remove any MDRM rows that do not contain any values. Be mindful of blank values, e.g. the row designated as BHEIC088 has a blank value for the MDRM of BHEIC091. When the extra MDRM rows are removed, Sheet 2 will look like the following.

FIGURE 8: Sheet2, example for Schedule A only.

	A	B	C	D	E
1	BHEIC088	100	100	100	
2	BHEIC093	100	100	100	
3	BHEIC097	100	100	200	
4	BHEIC101	300	300	400	
5	BHEIC100	11			
6	BHEIC104	85	0	98	
7	BHEIB498	53			
8	BHEIC716	300			
9	BHEIJ443	11			

Step 4. Insert Sheet3 and create a formula in cell A1 of Sheet3 to pull in the data from Sheet2.

In cell A1 on Sheet3, type in.

```
=&"L"&Sheet2!A1&"+"&Sheet2!B1&"+"&Sheet2!C1&"+"&Sheet2!D1&"+"&Sheet2!E1
```

Copy the formula down until all of your 8-character MDRMs are displayed on Sheet3.

The formula that you typed in cell A1 concatenates the 8-character MDRM for the first row and the data values entered in Columns A, B, C and D with '+' between them. Even though you removed the MDRMs for Columns B, C and D and left only the MDRM for Column A, the position of the '+' sign after the first MDRM will fetch the first MDRM for Column A, the second MDRM for Column B, the third MDRM for Column C and the fourth MDRM for Column D and place the data values from the file upload into the correct columns on the online report form.

Note: If any MDRMs appear on the **same schedule** as MDRMs that are represented by many more columns, enter the **maximum number of columns or '+' signs for MDRMs using less columns**. For example, MDRM BHEIC100 is represented by just one column on Schedule A. However, since it is on the same schedule as BHEIC088, BHEIC089, BHEIC090 and BHEIC091 which are represented by four columns or '+' signs against BHEIC088, use four '+' signs for BHEIC100 but place the value you want to report after the first '+' sign.

Step 5. Once you have entered all of the data to the report form and transformed the data using the formula, the contents of Sheet# can be saved as a text file. From within the spreadsheet file do a File^ Save As and select the Text (Tab delimited) in the Save As type section. Type a name for the file and click the Save button. Then click OK and Yes to the two MS Excel prompts.

If you open the text file you saved with the Notepad application, you should see something like this – the maximum number of columns on Schedule A is four so enter four '+' signs for the MDRMs with less columns.

LBHEIC088+100+100+100+
LBHEIC093+100+100+100+
LBHEIC097+100+100+200+
LBHEIC101+300+300+400+
LBHEIC100+11+++
LBHEIC104+85+0+98+
LBHEIB498+53+++
LBHEIC716+300+++
LBHEIJ443+11+++

Step 6. The last step, once you have saved your report data from Sheet2 into a text file is adding the respondent ID, as-of-date and the report form name as a header to the text file.

Open the newly created text file, place the cursor before the LC088 on the first row of data and press the return key to create an empty first row. Then type in your 10-digit respondent ID code immediately followed by FR Y-12 and three blank spaces (Remember the report form name can be 10 characters long) and then the report's as-of-date for example 03-31-2013 in this particular date format. Save the file and you're done. Once you're done, your first row of data should look similar in format to the file below.

```
0123456789FRY12    12-31-2016
LBHEIC088+100+100+100+
LBHEIC093+100+100+100+
LBHEIC097+100+100+200+
LBHEIC101+300+300+400+
LBHEIC100+11+++
LBHEIC104+85+0+98+
LBHEIB498+53+++
LBHEIC716+300+++
LBHEIJ443+11+++
```

Now you can go ahead, using the File Upload feature, to upload the data for this report to Reporting Central.

APPENDIX A.

Eight-character MDRMs for the FR Y-12 (Effective beginning 9/30/2016)

Old Line Code	New MDRM Code	Item Limit ¹
C088	BHEIC088	14,0
C089	BHEIC089	14,0
C090	BHEIC090	14,0
C091	BHEIC091	14,0
C093	BHEIC093	14,0
C094	BHEIC094	14,0
C095	BHEIC095	14,0
C097	BHEIC097	14,0
C098	BHEIC098	14,0
C099	BHEIC099	14,0
C101	BHEIC101	14,0
C102	BHEIC102	14,0
C103	BHEIC103	14,0
C100	BHEIC100	14,0
C104	BHEIC104	14,0
C105	BHEIC105	14,0
C106	BHEIC106	14,0
B498	BHEIB498	14,0
C716	BHEIC716	14,0
J443	BHEIJ443	14,0
C107	BHEIC107	14,0
C108	BHEIC108	14,0
C109	BHEIC109	14,0
C110	BHEIC110	14,0
C111	BHEIC111	14,0
C112	BHEIC112	14,0
C113	BHEIC113	14,0
C114	BHEIC114	14,0
C115	BHEIC115	14,0
C717	BHEIC717	14,0
C117	BHEIC117	14,0
C718	BHEIC718	14,0
C118	BHEIC118	14,0
C121	BHEIC121	14,0
C719	BHEIC719	14,0
C122	BHEIC122	14,0

Old Line Code	New MDRM Code	Item Limit ¹
C126	BHEIC126	14,0
C720	BHEIC720	14,0
C127	BHEIC127	14,0
C136	BHEIC136	14,0
C721	BHEIC721	14,0
C137	BHEIC137	14,0
C722	BHEIC722	14,0
C723	BHEIC723	14,0
C724	BHEIC724	14,0
C131	BHEIC131	14,0
C725	BHEIC725	14,0
C132	BHEIC132	14,0
C726	BHEIC726	14,0
C727	BHEIC727	14,0
C728	BHEIC728	14,0
C145	BHEIC145	14,0
C729	BHEIC729	14,0
C146	BHEIC146	14,0
C150	BHEIC150	14,0
C730	BHEIC730	14,0
C151	BHEIC151	14,0
C155	BHEIC155	14,0
C749	BHEIC749	14,0
C156	BHEIC156	14,0
C157	BHEIC157	14,0
C750	BHEIC750	14,0
C158	BHEIC158	14,0
C731	BHEIC731	14,0
C732	BHEIC732	14,0
J434	BHEIJ434	14,0
J435	BHEIJ435	14,0
C733	BHEIC733	14,0
C734	BHEIC734	14,0
C735	BHEIC735	14,0
C736	BHEIC736	14,0
J436	BHEIJ436	14,0

Old Line Code	New MDRM Code	Item Limit ¹
J437	BHEIJ437	14,0
C737	BHEIC737	14,0
C738	BHEIC738	14,0
C739	BHEIC739	14,0
J438	BHEIJ438	14,0
C740	BHEIC740	14,0
C741	BHEIC741	14,0
C742	BHEIC742	14,0
J439	BHEIJ439	14,0
J440	BHEIJ440	14,0
C743	BHEIC743	14,0
C744	BHEIC744	14,0
C745	BHEIC745	14,0
C746	BHEIC746	14,0
J441	BHEIJ441	14,0
J442	BHEIJ442	14,0
C747	BHEIC747	14,0
C748	BHEIC748	14,0
9999	BHEI9999	14,0
4769	BHEI4769	864
Text Items		
4086	BHEI4086	72
8901	BHEI8901	72
8902	BHEI8902	30
9010	BHEI9010	20
9110	TEXT9110	20
9116	BHEI9116	30
9130	BHEI9130	20
9200	BHEI9200	20
9220	BHEI9220	20
C490	BHEIC490	72
C491	BHEIC491	72
J196	BHEIJ196	30

¹ Item limits, where applicable, are provided in (x,y) format, where “x” is the maximum number of digits/characters allowed for the item, “y” is the maximum number of digits allowed after the decimal, and subtracting “y” from “x” is the maximum number of digits allowed before the decimal.