



ZEBRA TECHNOLOGIES SIMPLIFIED COMPLIANCE FORM (SCF)

**GUIDE TO COMPLETING A
PARTIAL MATERIAL
DISCLOSURE (PMD) MATERIAL
DECLARATION REQUEST**



TABLE OF CONTENTS

<u>1 - INTRODUCTION</u>	<u>1</u>
<u>2 - DEFINITIONS</u>	<u>1</u>
<u>3 - APPROACH TO COMPLETING A PARTIAL DECLARATION</u>	<u>2</u>
<u>4 - OPENING THE FORM</u>	<u>2</u>
<u>5 - SCF HEADER</u>	<u>4</u>
<u>6 - OVERVIEW OF SCF BUTTONS</u>	<u>5</u>
<u>7 - COMPLETING A PARTIAL MATERIAL DISCLOSURE</u>	<u>5</u>
<u>8 - HOW TO POPULATE THE FORM</u>	<u>6</u>
<u>9 - GENERATING AN XML DECLARATION</u>	<u>9</u>
<u>10 - ERROR LIST</u>	<u>7</u>
<u>11 - AUTO-SAVE FUNCTIONALITY</u>	<u>8</u>
<u>12 - RESTORE FUNCTION</u>	<u>8</u>
<u>13 - COMMENTS BOX</u>	<u>9</u>
<u>14 - SPECIAL CHARACTERS</u>	<u>10</u>
<u>15 - FREQUENTLY ASKED QUESTIONS</u>	<u>11</u>

1 - Introduction

Zebra Technologies is committed to ensuring its products are fully compliant with all mandatory global environmental compliance regulations. As a result, all suppliers are required to provide a full material disclosure at the homogenous part level for all products as specified in the CPZ-CE-010 Environmental Compliance Specification which can be found on our corporate website:

<http://www.zebra.com/compliance-SCF>

In certain instances, a Partial Disclosure – indicating the weight of the product, the high-level RoHS compliance and the REACH compliance – may be accepted for the interim upon approval from the Product Environmental Compliance Manager.

In order to comply with these requirements, your company has received a pre-populated Simplified Compliance form (SCF) from Zebra Technologies. You are required to complete the SCF by the specified date and return it back to the Zebra representative who sent it to you. The Zebra representative who sent you the form will be your central point of contact for all questions and concerns regarding completing the SCF.

This file contains the MD#, declaration type, supplier part #, company name, and company ID. This information is NOT editable and, if there is any discrepancy with it, the Zebra representative must be informed and they will research why there is a discrepancy.

Please follow the instructions in this guide to ensure correct and timely completion of the SCF. Additional training resources and troubleshooting information can also be found on the Zebra corporate website at the link below:

<http://www.zebra.com/compliance-SCF>

2 – Definitions

CAS Number	CAS (Chemical Abstract Service) Registry Number is a unique number specific to a particular chemical substance.
Controlled Substance	These substances are limited for use in the manufacturing process or in certain applications at the levels specified in Appendix A in CPZ-CE-010.
FMD	Full Material Disclosure
Homogeneous Material	A substance or a mixture of substances with uniform composition (such as paints, alloys, solders, adhesives, plating, resins, coatings, etc.) that comprises a product. Material that cannot be mechanically disjointed into different materials respectively. The term “homogeneous” means of “uniform composition throughout.” However, additives used in a polymerization process must be reported if they are identified in Appendix A of CPZ-CE-010.
PMD	Partial Material Disclosure
PPM	Parts per Million (Measure of Concentration)
REACH	European Community Regulation on chemicals and their safe use (EC 1907/2006). It deals with Registration, Evaluation, Authorization and Restriction of Chemical substances.

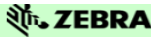
Reportable Substances	These substances are not currently banned or controlled for use but a ban or voluntary phase-out is likely or they have an impact on the end-of-life management of the finished product.
Reporting Threshold	Concentration level which defines the limit equal to or above which the presence of a substance or material must be reported.
RoHS	European directive on Restriction of the use of certain Hazardous Substances in electrical and electronic equipment
SVHC	Substances of Very High Concern as defined in the REACH regulation

3 - Approach to Completing a Partial Declaration

The Partial Material Disclosure (PMD) must be completed manually. It only requires the part description, mass, unit of measure, RoHS compliance or RoHS exemptions, and REACH compliance be provided.

4 - Opening the Form

- It is best practice to avoid opening the form directly from the e-mail it has been attached to. Be sure to save the file attached in the e-mail to the desktop or another location on a PC or on a removable storage media before beginning to complete a declaration.
 - IMPORTANT NOTE:** For users running MS Office 2010 or newer, avoid opening another Excel file directly from an e-mail attachment while the SCF is open as it may cause issues with sheet protection in the non-SCF file (e.g. loss of Toolbar accessibility).
- Once saved to the desired location, double click the file icon to open the pre-populated SCF file.
 - Please note that the form must be set to U.S. English language settings. The About tab outlines how to do this if the Excel software is set to another language.
- When the form launches, macros must be enabled as shown below in order for the form to function. If enabling macros is not possible, please contact the Zebra representative immediately.



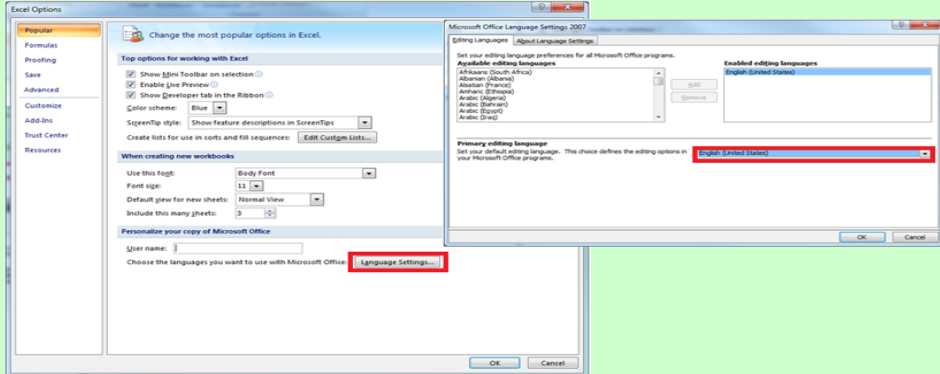
Simplified Compliance Form

TMP-12508-90 Rev B

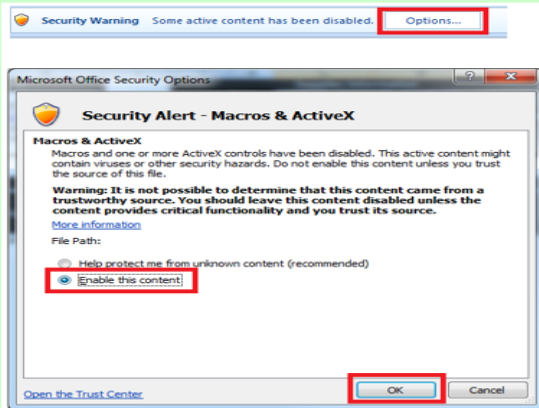
Introduction:
The Simplified Compliance Form is a spreadsheet based tool for creating an IPC 1752A Homogeneous Material Declaration (Class D) in XML format. It's basic functions are to load an Zebra XML request header, enter and edit material content information and generate an output XML file suitable for submission to Zebra.

System requirements:
Microsoft Excel v2003 Professional, SP3 or later
Macros must be enabled in order for the automated functions to operate. Check Excel security setting to confirm.

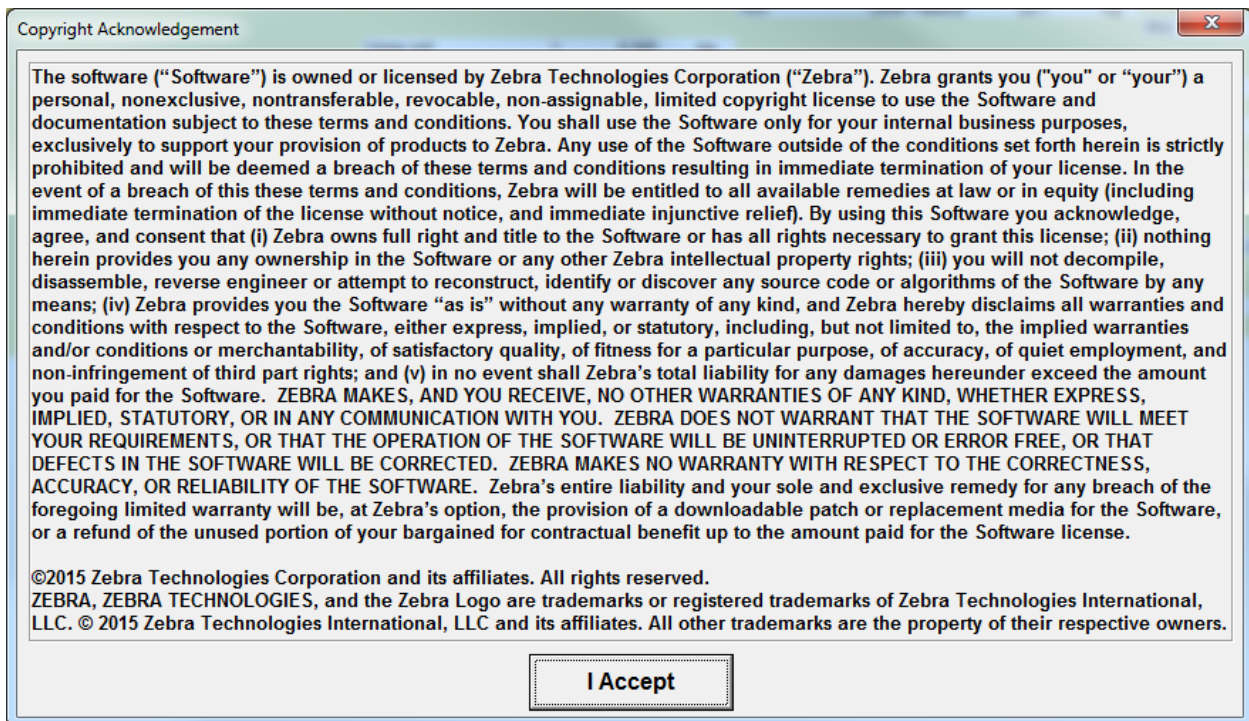
1. Please ensure to set Primary Editing Language to English (United States)



2. Please ensure to enable the Macro

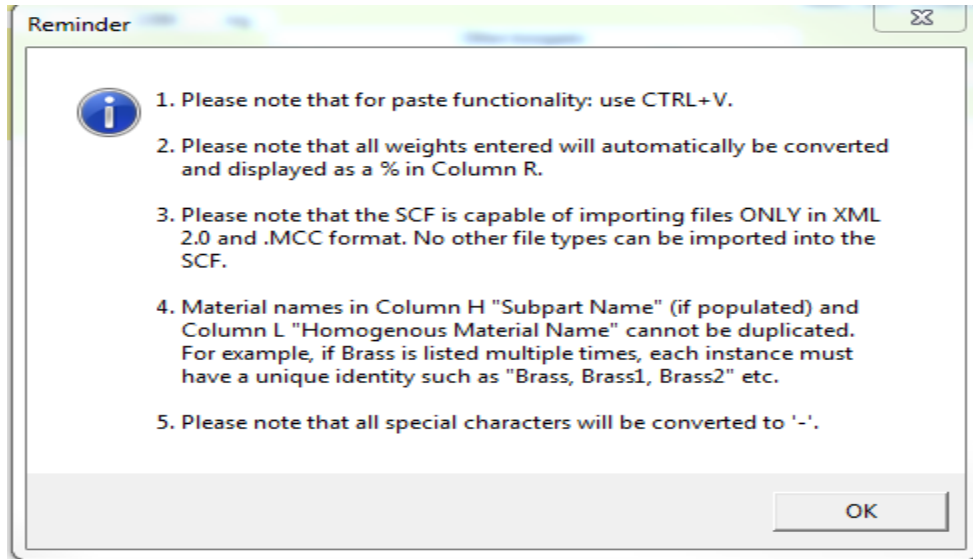


4. After enabling macros, the Copyright Acknowledgement must be accepted by clicking “I Accept”. **IMPORTANT NOTE:** clicking on the X in the upper right hand corner of the copyright acknowledgement will cause the form will become unusable and must be reopened in order to function properly.



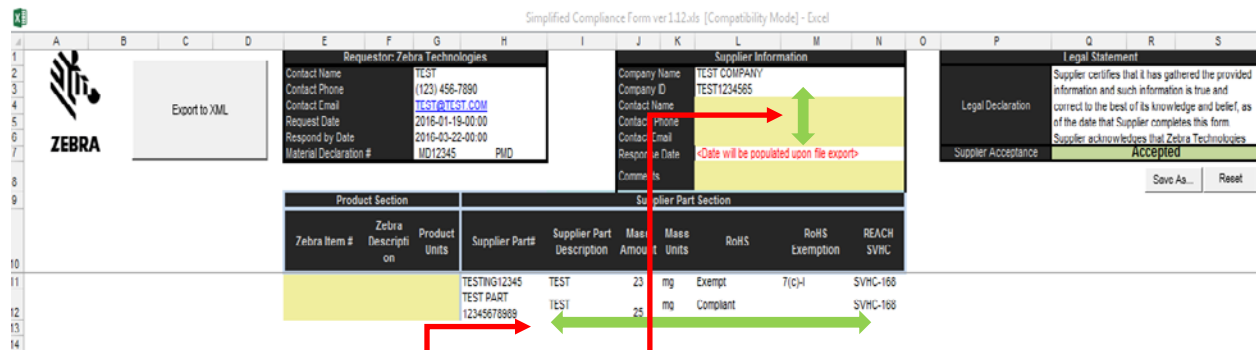
5. Once accepted, the form will then display other important information. Please be sure to take note of these informational reminders. Click OK on this box as well. Once clicked, the form will begin to load. **IMPORTANT NOTE:** only items #1 and #5 will apply to the completion of a PMD.

IMPORTANT NOTE: This reminder box contains critical information. Please read and understand before continuing.



5 - SCF Header

Below is a snapshot of what the SCF looks like once it is open. The supplier part description, mass amount, and mass units - found in Columns I through K under the Supplier Part Section heading - must be completed in order to proceed further. The Supplier Information with the yellow background must also be populated in order to successfully export the XML declaration.

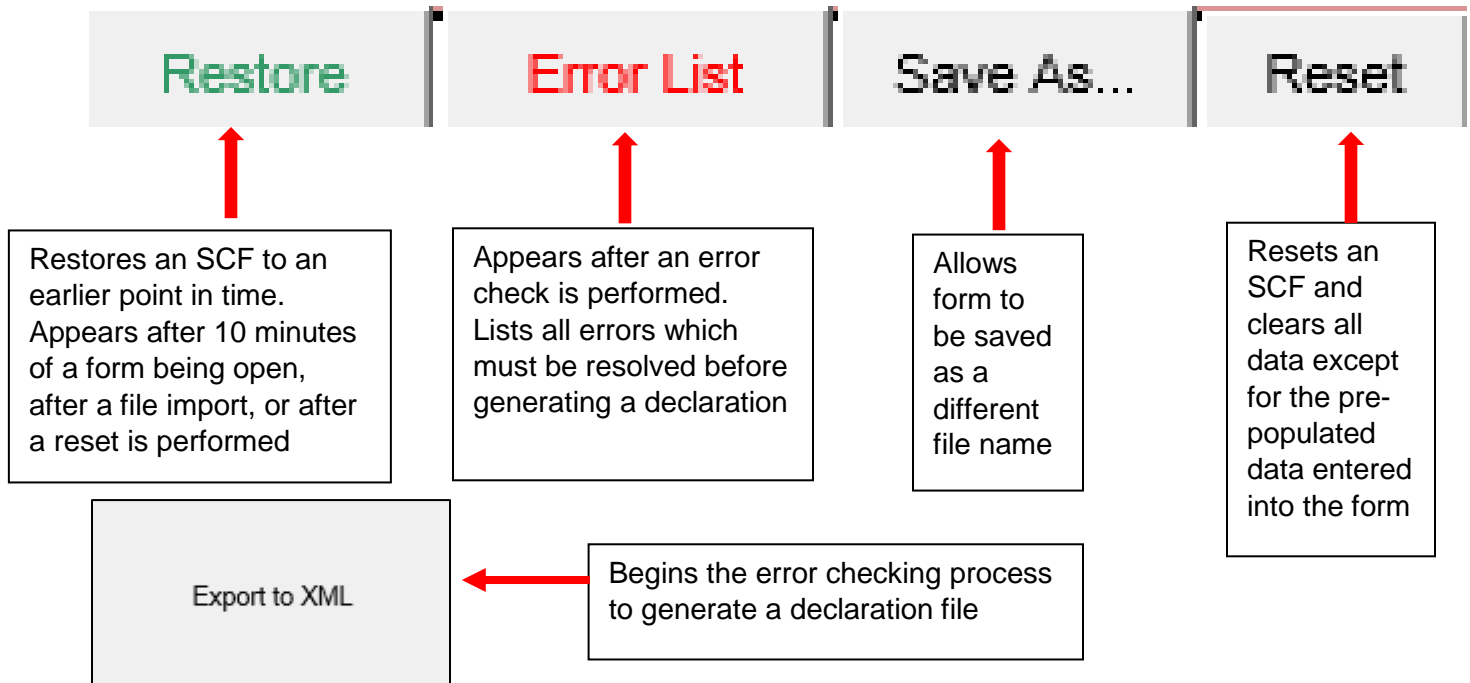


- Must complete
- Must fill in supplier information

6 - Overview of the SCF's Buttons – What They Mean and What They Do

Do:

These buttons are all displayed at some point during the declaration completion process. Included is an overview of what each button does and when it appears.



7 - Completing the Partial Material Disclosure

The partial material disclosure captures the product's compliance against the RoHS & REACH Directives as well as the product weight.

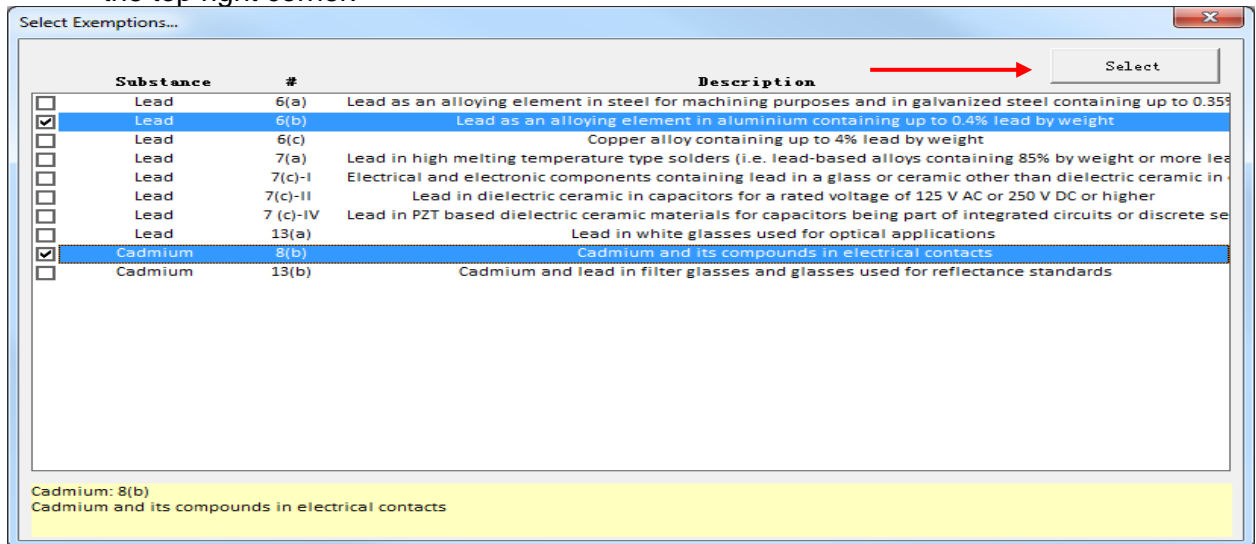
1. This is done manually by entering or copying/pasting the data into the form. Part description, the mass of the part, mass units, and indication whether the part is RoHS compliant or exempt are all required to be entered.
2. If the part is exempt, selecting the applicable RoHS exemption or exemptions is required. Finally, the REACH SVHC list must be selected to export the declaration.

Requestor: Zebra Technologies				Supplier Information				Legal Statement			
Contact Name	Test			Company Name	aadsf			Supplier certifies that it has gathered the provided information and such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form.			
Contact Phone	(123) 456-7890			Company ID	adfs			Supplier acknowledges that Zebra Technologies			
Contact Email	test@test.com			Contact Name	test			Supplier Acceptance			
Request Date	2015-10-09-00:00			Contact Phone	08 10 5909 0500			Accepted			
Respond by Date	2015-11-03-00:00			Contact Email	kty.zhang@knowles.com			Save As... Reset			
Material Declaration #	MD45678	PMD		Response Date	2015-10-09-14:16						

Product Section			Supplier Part Section						
Zebra Item #	Zebra Description	Product Units	Supplier Part#	Part Description	Mass Amount	Mass Units	RoHS	RoHS Exemption	REACH SVHC
			12345	test	150	g	Compliant		SVHC-163
			45678	test	200	mg	Exempt	7(c)-I, 8(a)	SVHC-163

8 - How to Populate the Form

1. The supplier part information will already be completed by Zebra and cannot be edited. The part description, mass amount, and mass units in cells I11-K11 are the only fields that can be edited.
 - a. **IMPORTANT NOTE:** if a supplier part # is incorrect, please contact the Zebra representative who sent the PMD request for research and resolution of this discrepancy.
2. RoHS compliance: This is done by selecting either Exempt or Compliant from a drop down box in cell L11.
 - a. For compliant parts, an exemption cannot be selected. Click in cell M11, then move over to N11 and select the applicable REACH SVHC list from the drop down box
 - b. For exempt parts, select the applicable RoHS exemptions. Click in cell M11 and select the exemptions from the selection box. You can select multiple exemptions. Once exemptions have been selected, click on the “Select” button in the top right corner.



3. REACH compliance must be disclosed against the 1 of the 2 most recent REACH candidate lists. This is done by selecting from the dropdown box in cell N11. Any REACH chemical – contained in the product and OVER the 0.1% w/w limit – should/may be entered into the COMMENTS Box (see Section 13 – Comments Box on how to do this.) In cases where disclosure is necessary, please type in the Part Number, the CAS Number as well as the actual amount of the REACH chemical found in the Part Number.

Supplier Part Section							
Product	Supplier Part#	Supplier Part Description	Mass Amount	Mass Units	RoHS	RoHS Exemption	REACH SVHC
Parts	TEST PART	TEST RESISTOR	0.44616	mg	Compliant		SVHC-173

9 - Generating an XML Declaration

To generate a declaration, click on the “Export to XML” button located in the upper left portion of the spreadsheet to begin the error checking process. **IMPORTANT NOTE:** the Legal Declaration must be accepted in order to export an XML declaration. If the legal declaration is declined, the form will not export an XML declaration.

- To accept the legal declaration, simply click in cell Q7 (highlighted in red) and then click on “Accept” when the legal declaration pops up
- Once accepted, the box will turn Green and allow the Export to XML process to proceed

The screenshot displays the Zebra SCF interface. On the left is the Zebra logo and an 'Export to XML' button with a red arrow pointing to it. In the center are two panels: 'Requestor: Zebra Technologies' and 'Supplier Information'. Below these is a table with 'Product Section' and 'Supplier Part Section' headers. On the right is a 'Legal Statement' dialog box with a red arrow pointing to the 'Supplier Acceptance' field, which is highlighted in red. Below the dialog are buttons for 'Resolve', 'Error List', 'Save As...', and 'Reset'.

Product Section			Supplier Part Section						
Zebra Item #	Zebra Description	Product Units	Supplier Part#	Supplier Part Description	Mass Amount	Mass Units	RoHS	RoHS Exemption	REACH SVHC
			TESTING12345	TEST	23	mg	Exempt	7(c)-I	SVHC-168

Please note that in addition to the export status boxes, the status of the export is also indicated in the lower left hand corner of the MS Excel Window.

The screenshot shows the MS Excel window during the export process. A 'Loading' dialog box is open, displaying a progress bar for 'Validation Check: Step 2 of 3, 41%'. To the right is a window titled 'Zebra SCF Material Data' with an 'About' button and a green bar at the bottom that also displays 'Validation Check: Step 2 of 3, 41%'.

10 - Error List

During the Export to XML process, a list of errors may be generated which must be addressed before creating a declaration. The error list will look similar to this example provided:

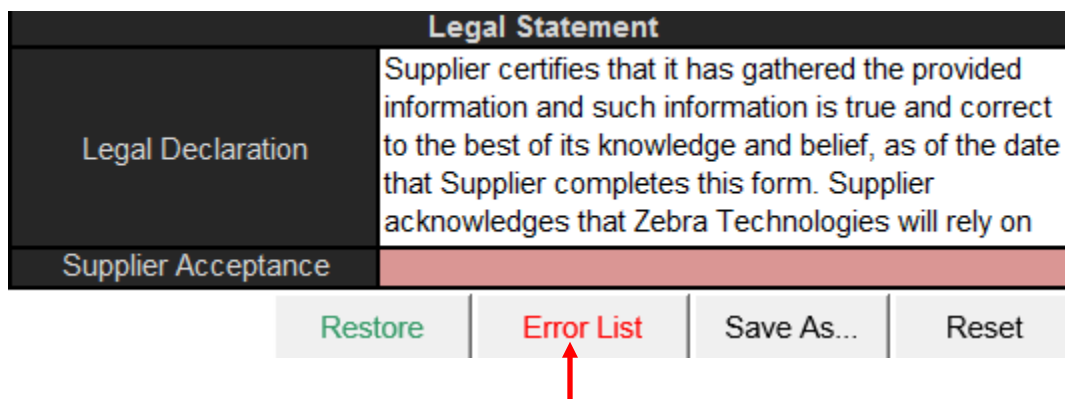
The screenshot shows an 'Error List' dialog box with the following content:

Please resolve below issues before proceeding to export:

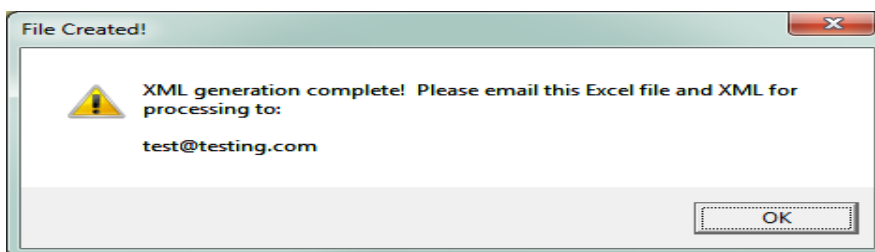
#	Error Message	Range
[1]	Supplier Acceptance must be Accepted in Cell Q7	Q7

To resolve an error, double click on one of the numbered lines. Upon doing so, the form will highlight for quick resolution the cell or cells affected. **IMPORTANT NOTE: once an error is double clicked, it will be removed from the error list. If the error is not resolved – either by an applicable exemption application, change to the chemical chosen or acceptance of the Legal Statement – the error will reappear on the error list when the Export to XML function is utilized again.**

Once an error is resolved, the remaining errors on the error list can be retrieved by clicking on the “Error List” button located directly below the “Supplier Acceptance” box.



Once all errors have been addressed, the error list button will disappear and an XML declaration can be created. Please specify a location to save the declaration to. A prompt will then appear giving direction to submit the completed SCF file and the XML declaration back to the Zebra representative who initially sent the MD request. Click “OK” to complete this task.



11 - Auto-Save Functionality

It is **EXTREMELY IMPORTANT** to note that the SCF uses the Auto-Save functionality to help ensure that no work is lost when the form is closed down. As a result, if changes are made to the form in error, there is no way to go back to an older version unless someone completing the form performed a “Save-As”. Users are encouraged to note this point and use the “Save-As” feature as necessary.

12 - Restore Function

If the form needs to be reverted back to an older version, the restore capability will help accomplish this. The SCF will take a snapshot of itself each time the reset button is clicked, an import is performed, and every 10 minutes while the form is open. The “Restore” button will appear at the top of the below the “Supplier Acceptance” as shown below.

Legal Statement	
Legal Declaration	Supplier certifies that it has gathered the provided information and such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Zebra Technologies will rely on
Supplier Acceptance	
<input type="button" value="Restore"/> <input type="button" value="Save As..."/> <input type="button" value="Reset"/>	

When the Restore button is clicked, a series of possible restore points are displayed along with the option to preview what the restore point would look like.

Restore Options X

#	Restore Point	Time
1	2 min ago	01-06-2016 16:42:08
2	12 min ago	01-06-2016 16:32:08
3	14 min ago	01-06-2016 16:30:07

To preview a restore point, select one of the restore points (each line item above is a restore point) and click on the Preview button. The preview option will allow the user to scroll and review the data being restored in the SCF.

Restore Options X

#	Restore Point	Time
1	2 min ago	01-06-2016 16:42:08
2	12 min ago	01-06-2016 16:32:08
3	14 min ago	01-06-2016 16:30:07

Up

Click on the buttons to scroll

Left Right

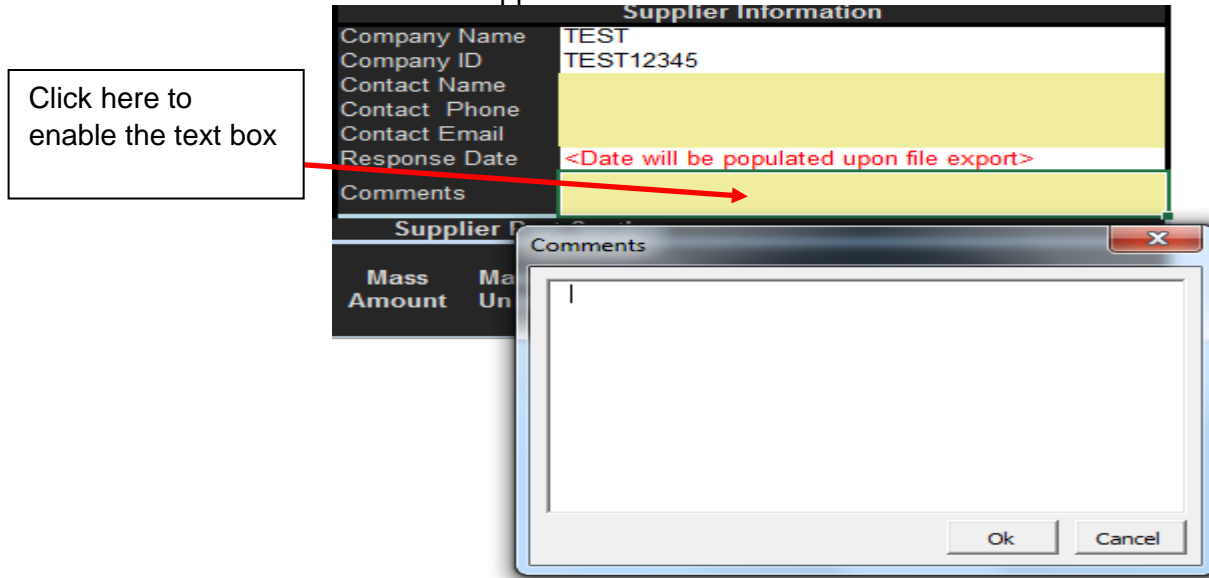
Down

To restore the SCF to an earlier point, click on Set and the form will then revert back to that point. If the user does not wish to complete the restore function and wants to continue working on the current version, simply click on the “X” in the top right corner to close the box and resume working on the SCF.

13 - Comments Box

Should the need exist to add a note to a Zebra representative, further explain a substance selection, declare a REACH Substance of Very High Concern over the 0.1% w/w, or wish to include a comment for any other reason, this can be done by using the Comments box located in the Supplier Information header at the top of the SCF.

Click in the comments box located in Cell J8 and a text window will appear. Any free form text can be entered in the comments box by either manually typing or by pasting. Once entering text is complete, click on the “OK” button. If the comments box was clicked in error, simply click on the “CANCEL” button to make it disappear.



The Comments box is available for use at all times during the SCF completion.

IMPORTANT NOTE: Text in the comments box is not included in the error checking process and will not appear as part of the final XML declaration.

14 - Special Characters

A note about using special characters – as illustrated in the REMINDER box, bullet point #5, when initially opening the form, special characters will automatically be converted to a dash in order for the SCF to export and then import properly into the database. Once the declaration has been imported, the special characters will remain intact. The form will accept:

~	'	=	(\$?	}	.
`	,	[)	^	/		-
!	<]	%	&	\	;	_
@	>	{	#	*	+	:	"

IMPORTANT NOTE: the quotation marks character, highlighted in RED is not an acceptable character and is not compatible with the SCF.

15 - FREQUENTLY ASKED QUESTIONS:

QUESTION:	ANSWER:
Why won't the SCF open in my version of Microsoft Office?	The SCF was verified to be compatible in Microsoft Office 2003 or newer as well as 32/64 bit environments. Verify the version of Microsoft Office running on the computer is 2003 or newer. Please also note that the SCF will run slower on machines running Office 2003. Please contact your Zebra representative if you continue to experience compatibility issues.
Where can I find the Zebra environmental compliance specification?	Zebra's environmental specification is located on its corporate website at the following link: http://www.zebra.com/compliance-SCF If you are experiencing issues accessing the spec, please contact your Zebra representative and a copy of the spec can be e-mailed to you.
Why can't I edit the supplier part #?	The supplier part # is locked and can only be edited by an authorized Zebra representative. This is to ensure data integrity is maintained in our system during the importing declaration process. Please contact a Zebra representative immediately if there is an issue with the supplier part #.
I've opened the SCF to start a declaration and have also opened another Excel file to populate the SCF from an e-mail attachment. The second Excel file does not have a ribbon bar and I cannot copy/paste data from the file. How do I fix this?	The second Excel spreadsheet has inherited the sheet protection from the SCF. This happens in Microsoft Office 2010 and newer. Close the secondary spreadsheet then re-open it. This will reactivate the file and remove the inherited protection from the SCF.



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