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## LSMW for uploading BOM

created by [Danny John](#) on Aug 13, 2013 8:53 AM, last modified by [Danny John](#) on Aug 13, 2013 12:09 PM

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### Purpose

This document will briefly discuss LSMW for uploading Bill of Material using Direct Input Method.

### Prepare LSMW

**Project** : As name describes, I mention the name of the project.

**Subproject** : I usually maintain the module for which we are preparing.

**Object** : It is the business object, in this case I mention as BOM

Here I mention LSMW as

**Legacy System Migration Workbench**

Project Selection:

Project	DAJ	My Project
Subproject	PP	Module
Object	BOM	Material BOM

One advantage of this kind of naming is, we can see all objects created under one project - under one subproject.



### Procedure

Step 1 : Maintain Object Attributes

**LSM Workbench: Change Object Attributes**

Display <-> Change Documentation Display Interfaces

Attributes

Object: BOM Material BOM

Owner: ABAP abap

Data Transfer: ☒ Once-Only ☐ Periodic

File Names: ☐ System-Dependent

Object Type and Import Method

☒ Standard Batch/Direct Input

Object: 0030 Material BOM

Method: 0001 Create

Program Name: RCSEBIOLO

Program Type: Batch Input

☐ Batch Input Recording

Recording:

☐ Business Object Method (BAPI)

Business Object:

Method:

Message Type:

Basic Type:

☐ IDoc (Intermediate Document)

Message Type:

Step 2 : Maintain Source Structures

Create two structures, second structure as lower level.

**LSM Workbench: Change Source Structures**

Subtree Position

:DAJ - PP - BOM Material BOM

Source Structures

Head Structure: ZHEAD

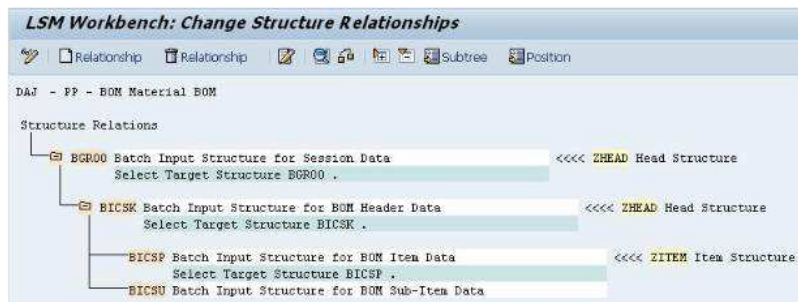
Item Structure: ZITEM

Step 3 : Maintain Source Fields

Here we maintain two structures - one for header level data and second one for item data. Header Material number (MATNR) is the common field connecting these two structures.



Step 4 : Maintain Structure Relations



Step 5 : Maintain Field Mapping and Conversion Rules

Maintain fields for both the two structures.



Step 6 : Prepare Excel File.

Prepare both header and item file separately.

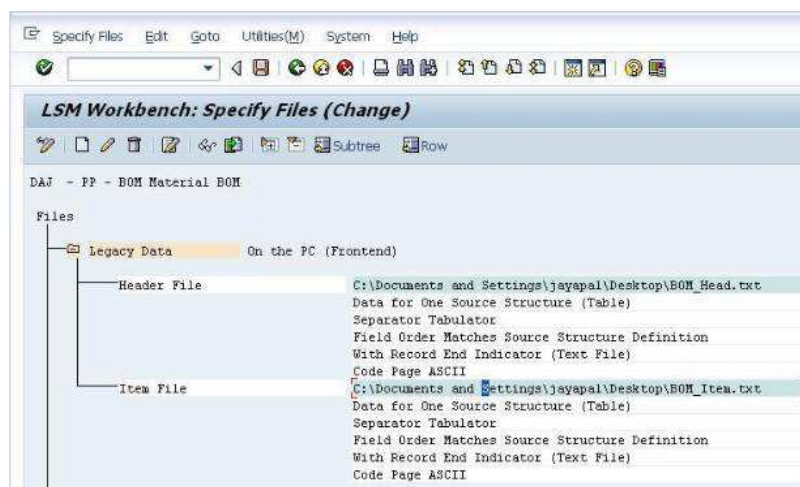
HEADER FILE							
	A	B	C	D	E	F	G
1	Material	Plant	Usage	Text	Qty	Status	Valid
2							
3	7000246	1500	1		1	1	01042013
4							
5							

ITEM FILE						
	A	B	C	D	E	F
1	Material	Compone	Qty	BUn	Item Ctgry	Scrap
2						
3	7000246	7000249	1	NOS	L	
4	7000246	7000038	2	NOS	L	
5	7000246	7000041	1	NOS	L	
6	7000246	2000249	3	NOS	L	
7	7000246	2000233	3	NOS	L	
8						
9						

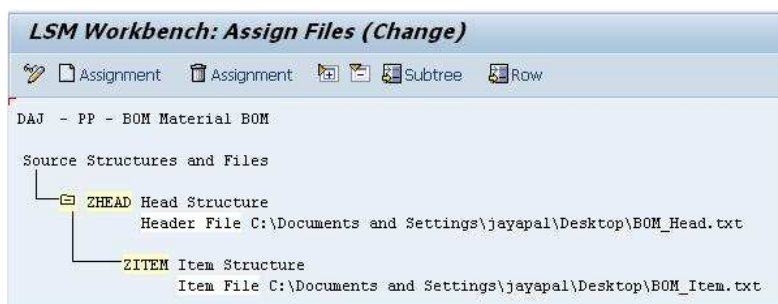
Step 7 : Specify Files

Item file should be created under the Header file.



Logical File path must be created in transaction FILE.

Step 8: Assign Files



Step 9 : Read Data

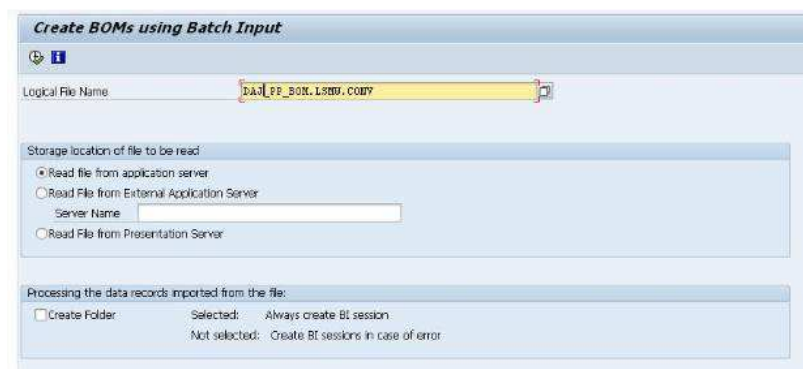
Source Structure	Read	Written	Not Written
ZHEAD	1	1	0
ZITEM	5	5	0
Transactions Read:	1		
Records Read:	6		
Transactions Written:	1		
Records Written:	6		

Step 10 : Display Read Data

Step 11 : Convert Data

Step 12 : Display Converted Data

Step 13 : Create Batch Input Session



Click Display Errors Only

Following screen appears .

**Create BOMs using Batch Input**

Process session

The following messages were displayed:

```

S29          030 Creating BOM for material 70002461
  
```

Now the BOM is created for material.

**Display material BOM: General Item Overview**

Material: 7000246 Bucket\_Connecting\_Lever\_Assyldr  
 Plant: 1500 Plant II  
 Alternative BOM: 1

Material Document General

Item	ICt	Component	Component description	Quantity	Un	A...	Sis	Valid From	Valid to	Change No.
0010	L	7000249	Bucket_Connecting_Lev..	1		NDS	<input checked="" type="checkbox"/>	01.04.2013	31.12.9999	
0020	L	7000038	50X40X20_Harden_Bush	2		NDS	<input checked="" type="checkbox"/>	01.04.2013	31.12.9999	
0030	L	7000041	50X40X70_Harden_Bush	1		NDS	<input checked="" type="checkbox"/>	01.04.2013	31.12.9999	
0040	L	2000249	M10X1P_Grease_Nipple	3		NDS	<input type="checkbox"/>	01.04.2013	31.12.9999	
0050	L	2000233	M10_Grease_Nipple_Cap	3		NDS	<input type="checkbox"/>	01.04.2013	31.12.9999	

\*&-----  
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Good Work Dany!! 😊

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Good....Thank You....

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**Raja Babu** Aug 16, 2013 7:24 AM

Fantastic work Danny !! Thanks for your knowledge sharing.


Like (0)



[Danny John](#) Aug 16, 2013 11:36 AM (in response to Raja Babu)

Thank you 😊 for you appreciation.


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[Benjamin Giehl](#) Aug 16, 2013 12:35 PM

Great, thx. it's a help, sure.

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[Viswanathan S](#) Aug 16, 2013 1:01 PM


Really i like this.This is good for beginner.

Thanks for sharing.

Regards,

Viswanathan S

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nice document thnks for sharing

Thanks & Regards

Sandeep Kumar Praharaj


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Thanks Sandeep

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Thanks for sharing 😊


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Thank You Ajmeri

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Regards,

Nilesch Mohite.

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[Nagendra m](#) Sep 28, 2013 9:45 PM

Hi,

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[Danny John](#) Sep 30, 2013 7:23 AM (in response to Nagendra m)

Thank you Nagendra

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[Mahesh V](#) Oct 22, 2013 1:03 PM

Good Job Danny it is very useful 😊

Like (1)

[Danny John](#) Oct 22, 2013 1:08 PM (in response to Mahesh V)

Thank you Mahesh.

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[rajesh bethamcharla](#) Oct 22, 2013 1:08 PM

Hi [Danny John](#),

Good article... Thanks for sharing...very helpful.

Regards,  
Rajesh

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[Danny John](#) Oct 22, 2013 1:11 PM (in response to [rajesh bethamcharla](#))

Thanks Rajesh.

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