SOP - DSR Interface

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1. Introduction

Bookmaster uses book industry standard Digital Sales Report (DSR) format as the standard sales order interface for all incoming sales data. Incoming sales data (in Excel) from different sources will be processed by Bookmaster to generate sales transactions, update sales information and generate debtor transactions.

Since the products have already been delivered, warehouse and logistics transactions will not be generated.

The generated transactions in Bookmaster from the DSR sales data interface will be used in the sales analysis, product profitability, and the processing of the payment by the online stores to the publishers. The data will also be used in the generation of the royalty earnings and payment.

If Rightsmaster module is active, the DSR sales will be part of the normal sales journals that Bookmaster generates since the DSR sales will be same as normal distribution sales transactions.

Bookmaster can also use the same interface to handle the following transaction types that are not related to online stores:

1. Consignment Sales
2. Distributor Sales

1.1 Consignment Sales:

The consignment sales are similar to online store sales as they do not require physical despatch since the products have already been physically delivered to the customer and on sold by the customer or distributor to their end consumers. However; they are also different from online store sales since the stocks are owned by the publisher and considered as part of their inventory until the sales transactions are generated.

Customer consignment sales are processed using the existing Bookmaster consignment system where stocks are transferred to and sold from a consignment warehouse. The consignment warehouse is a logical warehouse where consigned stocks are managed and controlled by customer or customer/reference.

1.2 Distributor Sales:

Distributor consignment sales are processed as normal Bookmaster sales from a specific non-location controlled physical warehouse in the distributor site where stocks are receipted and sold. The stocks in the distributor warehouse are owned by the publisher until sold. These sales also do not require any despatching process in Bookmaster since these are already delivered sales from the distributor warehouse to the customer.

2. Business Process Flow

Currently the incoming sales data is only handled through Excel.

1. An Excel template with all the relevant system fields that are required in the processing of the interface file is provided (DSO415.xlsx).

2. The customer will flag in their own Excel file the relevant columns that relate to the system fields.

3. There are 4 different report types as listed below. Each of these types have mandatory and optional field requirements as follows:

No	Field	System field	Type 1 Online sales	Type 2 Consignment sales	Type 3 Distributor sales	Type 4 POD charge
1	Customer reference date	CRFD	O	O	O	n/a
2	Customer reference	CREF	O	M1	O	O
3	Product code	I	M	M	M	M
4	Sales quantity	DLVQ	M	M	M	n/a
5	Discount %	DCRA	O1	n/a	n/a	n/a
6	Sales Amount (Extended)	TTTB	O2	n/a	n/a	n/a
7	Charge Amount	TCST	n/a	n/a	n/a	M

Note:

a) O1 – if the discount is defined in the Excel, this will be used and will override any discount applicable to the customer.

b) O2 - if sales amount is defined in the Excel, this will be used in working out the selling price. This selling price will be flagged as overridden to stop the pricing routine overriding the price when the invoice is generated. After the selling price has been derived from the sales amount, the new computed sales amount may not equal the sales amount passed due to rounding. If the sum of all the computed sales amount does not equal the sum of the sales amount passed, a non-stock item will be generated as part of the invoice for the difference using the passed amount as the correct amount.

c) M1 – This is consignment reference and must match the customer reference on the consignment balance file if the stock is controlled by customer/reference.

4. A screen will be provided to allow the customer to process the Excel file to generate AR and AP interface files DSIFA/B and AGIFA/B respectively. The following information will need to be entered by the customer:

   a) Excel file and sheet names of the input interface data. The system checks for duplicate sheet name.

b) The report ID. This will determine what report type the data are and will decide the interface file to be created.

c) The customer reference. This will be defaulted with the Excel sheet name but can be overridden. For consignment sales (report type 2), the customer reference must exists in the consignment balance file for those consignment that are controlled by customer / reference.

d) The document control total can also be entered. If entered, the sum total of all the transaction records must equal the entered document control total.

The current distribution open period, which will be the period on the generated transactions, will be displayed on the screen for information purpose and can not be overridden. The file location (path) will be derived from the data exchange set-up in the system.

5. Depending on the report type, the back end process can be different when the transactions are posted to Bookmaster.

a) '1' (online store/ 3rd party aggregator sale)   - this is a charge only invoice since the products has already been delivered and there is no need to update stocks in the warehouse.

b) '2' (consignment sales) – this is an already delivered sales that requires decrementing of stocks in the consignment warehouse.

c) '3' (distributor sales) – this is an already delivered sales that requires updating of stocks in the distributor specific warehouse.

d) '4' (POD charges) – this will generate an AP invoice to the POD supplier for the print and customer delivery service.

3. Technical Details

1. The Excel input from various sources will be stored in the relevant system folder.

2. Program DSO415 will allow the user to enter the Excel file and sheet name to be processed, the report ID and optionally the customer reference and control total. This program will create AR and / or AP interface files DSIFA/B and / or AGIFA/B respectively for valid input.

3. Program DSW070 and AGW005 will allow display of the generated AR and AP interface records and will also be used to post the transactions to AR and AP.

4. Control file TMSDS/SR-ID will list the valid report ID's. This will include the report description and relevant report type for the report ID. There will be different default fields by report type.

5. Control file TMSDS/SR-TYP1 will have the following default values for report types '1' (online store / 3rd pty. Aggregator sales):
    a) Customer code
    b) TOS
    c) Source of transaction

6. Control file TMSDS/SR-TYP2 will have the following default values for report types '2' (consignment sales):
    a) Consignee customer code
    b) TOS
    c) Source of transaction
    d) Consignment warehouse

7. Control file TMSDS/SR-TYP3 will determine the following default values for report types '3' (distributor sales):
    a) Distributor customer code
    b) TOS
    c) Source of transaction

8. Control file TMSDS/SR-TYP4 will determine the following default values for report types '4' (POD charges):
    a) POD supplier
    b) G/L dissection account
    c) Summary level ('0' – one record for the whole interface file, '1' – one record by reference number, '2' – one record by item. The AP 'particular' field will be used for summary)

9. The DSIFA/B fields will be updated by report type as follows:

No	Field	Report type='1'(3rd pty aggregator sales)	Report type='2' (consignment sales)	Report type='3' (distributor sales)
	DSIFA:			
1	FMPN	Process number	Process number	Process number
2	FMSYS	'DS'	'DS'	'DS'
3	FMSTTYP	'1'	'2'	'3'
4	FMKVAL1	Report ID	Report ID	Report ID
5	FMKVAL2	Spreadsheet name	Spreadsheet name	Spreadsheet name
6	FMKVAL3			
7	FMKVAL4			
8	FMKVAL5			
9	FMBN	Billing number of the report ID customer code	Billing number of the report ID customer code	Billing number of the report ID customer code
10	FMCN	From report ID	From report ID	From report ID
11	FMSEQDM	Blank	Blank	Blank
12	FMREF	Customer reference from screen or from input file	Customer reference from screen or from input file. Refer to notes below.	Customer reference from screen or from input file
13	FMTXT	Blank	Blank	Blank
14	FMSCTP	'D'	'D'	'D'
15	FMEXCD	Customer currency code	Customer currency code	Customer currency code
16	FMTAMT	Total sales amount	Total sales amount	Total sales amount
17	FMSD	System date	System date	System date
18	FMSRDO	'DSO415B'	'DSO415C'	'DSO415D'
19	FMCONO	Customer company	Customer company	Customer company
20	FMPERD	Current open distribution period	Current open distribution period	Current open distribution period

21	FMDT	'A'	'A'	'A'
22	FMDST	'A'	'N'	'N'
23	FMDOCN	Blank	Blank	Blank
24	FMIBR	From customer	From report ID	From customer
25	FMWH	From customer	From report ID	From customer
26	FMPCKM	'A'	'A'	'A'
27	FMIPCK	'Y'	'Y'	'Y'
28	FMOCON	'N'	'N'	'N'
29	FMTOS	From report ID	From report ID	From report ID
30	FMSRCT	From report ID	From report ID	From report ID
31	FMSTS	'E'	'E'	'E'
	DSIFB:			
1	FNPN	Same as FMPN	Same as FMPN	Same as FMPN
2	FNLNO	Starts with 1 and incremented by 1	Starts with 1 and incremented by 1	Starts with 1 and incremented by 1
3	FNI	From input	From input	From input
4	FNORDQ	From input	From input	From input
5	FNUPRA	Computed from the input sales amount, qty, and discount rate. Else, from price file if sales amount is not provided on the input	Computed from the input sales amount, qty, and discount rate. Else, from price file if sales amount is not provided on the input	Computed from the input sales amount, qty, and discount rate. Else, from price file if sales amount is not provided on the input
6	FNDCRA	From input	From input	From input
7	FNCREF	From input or from screen	From input or from screen	From input or from screen

10. DSO400 program will generate distribution records DSTRs when the interim DSIFA/B records are posted.

11. The charge amount on the interface file will generate AP interface file.
The AGIF/B fields will be updated as follows:

No	Field	Source
	AGIFA	
1	FMPN	Process number
2	FMSYS	'DS'
3	FMSTTYP	'4'
4	FMKVAL1	Report ID
5	FMKVAL2	Spreadsheet name
6	FMKVAL3	
7	FMKVAL4	
8	FMKVAL5	
9	FMCN	From report ID
10	FMREF	Creditor reference from screen or from input file
11	FMTXT	Blank
12	FMSCTP	'A'
13	FMEXCD	Creditor currency code
14	FMAMTF	Total charget amount
15	FMAMTB	n/a
16	FMSD	System date
17	FMSRDO	'DSO415E'
18	FMCO	From creditor
19	FMGPER	Current A/P period
20	FMJNLT	'I'
21	FMJNLN	A/P invoice number
22	FMSTS	'E'
	AGIFB:	
1	FNPN	Same as FMPN
2	FNLNO	Starts with 1 and incremented by 1
3	FNCO	From input
4	FNGLDR	From report ID
5	FNTBDR	'N'
6	FNGLCR	
7	FNTBCR	
8	FNGDAF	Charge amount
9	FNGDAB	
10	FNPTCL	From input or from screen

12. The AGIFA/B records will generate AP invoices for the POD printing cost when the transactions are posted using AGO005.

13. Following is the calculation matrix depending on what information is passed:

| | | | | | Result | | |
No	Qty	Unit Price	Discount	Total Amt	Unit Price	Discount	Total Amt
1	M	NG	NG	NG	D	D	C
2	M	NG	NG	G	C	C	G
3	M	G	G	G	C	G	G
4	M	G	G	NG	G	G	C
5	M	G	NG	NG	G	D	C
6	M	NG	G	NG	D	G	C

Notes:

M - mandatory

NG - not given (column not defined)

G - given (column defined and cell value is used)

D - field value is derived using DSO936

C - field value is computed from other cell values