
DSE152 Work with PSI

Overview

The PSI maintenance program enables maintenance of PSI details in relation to current stock levels with direct links to purchasing and sales.

Explanation

This process is subject to User Access Restrictions. Refer to **User Access/Restrictions** documentation for more information on this feature.

Purchases can be planned with reference to target stock ratios, costs are linked directly to the Buying Prices file or purchase orders and pricing is extracted from the PSM (if existing) or Sales allocation definition or the Price file. Ordering is not permitted on stopped or closed Titles.

The PSI screen format is divided into six months, only for rows, otherwise 12 for column format with Purchasing, Sales and Inventory details for each month. Except for the month prior to the current month, each monthly field is cursor sensitive, that is, if the cursor is on this particular field and one of the function keys is pressed, the inquiry and maintenance screens are relevant to this month. When the screen is rolled forward, the next seven months are shown for the row format 12 months for column format.

A facility is provided to soft-code the way various detail lines display on the PSI Maintenance screen, as well as determining the number of detail lines that display. These user defined detail lines are established in the PSI Screen Writer Definition.

The selection of the supplier from the supplier item file in the PSI maintenance and the Purchase Order generation enables selection based on user defined criteria and the supplier sequence number. The selection criteria can be:

1. Lowest unit price
2. Shortest lead time
3. Minimum order amount (based on a combination of unit price, supplier pack quantity and minimum order quantity).
4. Preferred suppliers are defined in the Supplier Item file.

The quantity generated on the Purchase Order is either the required quantity or the supplier minimum order quantity, whichever is greater. The quantity is also a multiple of the supplier pack quantity.

Sales / Purchase / Stock Ratio

The projected sales can be entered and the suggested order can be generated for a given period, based on current stock holding, projected sales and target stock ratios.

Receipt day

The *Receipt Day* field is a facility to record the preferred day of the month on which stock is to be delivered into the warehouse. **TMSDS/PSI-RDC** defines the preferred stock

receipt date within a monthly period. The purchase order generation program calculates the ETA date for the purchase orders based on this receipt day code and the supplier's lead time. In the case of Packs/Systems where the components may have different lead times, the PSI system uses the greatest lead time to calculate the ETA date.

System Components

This facility accounts for inventory of products attributed to systems in the PSI has been created. The inventory for stock items within a system is now visible in the PSI module. Normally the quantity of a component is linked to a system and is not considered as stock. However in this instance, an IC class as defined in **TMSDS/PSI-ICCM** will determine if the quantity of products that have been linked to a system will need to be reported as inventory when doing PSI of the component.

This is particularly useful if PSI is done as a major component rather than a system.

Packs/Bins

A Facility is provided to take into account in the PSI system the stock quantities of those items that have been made into packs.

When packs are made up from different components, the pack is written-up as an item and the corresponding quantities for the components that make up the pack are written down.

This process will reduce the quantities for the components and the increase the quantity for the pack.

Example: A Children's Book ISBN 0712345676 is classed as a normal item, with a stock of 3000. This is to be made into a Pack and include coloring pencils. The ISBN for the Pack is 0712345676P. The PSI system will display those items that were made up into packs as component inventory as well as pack inventory.

The visibility of the components means over ordering of components is prevented.

Work with Suggested Orders

Entry of the shipping method, receipt day code and order quantity causes the system to give a suggested purchase quantity for this year, and recalculate the stock landed cost and stock ratio. PSI not only uses the FOB price, but allows for the definition of the buying method and buying price.

This can be viewed and the ordered quantity amended if so desired. Purchase Order Generation program is then selected to have this new order(s) generated.

F13 displays a list of existing purchase orders currently generated for this Title, System or Pack, and their buying price details.

Generate Suggested Orders

This function provides the facility to generate a suggested order. This process generates multiple orders for components for systems and consolidates all components on one purchase order if required for the selected periods. The suggested orders that are generated by the system are either added to the existing orders or are replaced by all the existing suggested orders, depending on the selected option.

The supplier code, buying method, buying price, shipping method and port of embarkation are generated for all new suggested orders and added into PSI Masterfile (DSPMP00P)

The suggested order quantity is computed based on the target stock ratio, current/projected stock holding and value figures.

Display the PM

The PSI Module has a facility to be able to flag an item to indicate the following:

- It has suggested order quantities
- Mark an item for program meeting review
- PO can be generated in the Batch Purchase Order run.
- Flag an item that a request for costing to the Book Production has been raised

Using unique IC types to update the various flags. The flag can either be a user-defined constant or a date. Separate IC types can be assigned for the re-order quantity, mark for program meeting, and request for costing and ready for PO generation.

IC types can be updated with multiple values based on a range of suggested order quantities. An example of the application of this enhancement is the ability to prioritise the review of suggested orders by assigning a L (Low), M (medium) and H(high) on the Low stock indicator flag and selecting this value on the PSI review.

The user is able to define the range of values at a more detailed level than L M or H if so desired by splitting the range of values into a smaller range to provide more granularities.

These codes are defined in **TMSDS/PSI-MPAR** and **TMSDS/PSI-MVAL**.

A generic report enables to select and list items that have been flagged for any of the above conditions. This same report is able to produce a list of items with re-order quantities, item that have been selected for program meeting, items that were a costing has been request, and those items that are ready for the batch generation of PO.

The program meeting flag is updated in the PSI maintenance program using **TMSDS/IC-PGMM**. This is determined as per the definition in **TMSDS/PSI-MPAR**.

When F2 (program meeting) is selected on the PSI maintenance screen, minute type of 'PMM' will be automatically displayed as per the control file above.

The re-order flag is updated in program DSO582. When the suggested order program DSO582 is run, the program will create IC-LSI records with value of 'Y' for those items with suggested order quantity greater than zero. This is all based on the setting in **TMSDS/PSI-PM**.

The 'request for costing' flag is updated in program DSE152. When option 6 is selected on the PSI order details (F10 from the main PSI maintenance screen), the program will update the RO (ready to order flag) in the suggested order file and will also create an IC-CST record with value of 'Costing'. This is determined by first reading **TMSDS/PSI-STC** to determine the status value of 'request for costing'. Using the status value, **TMSDS/PSI-STSL** is used to determine the minute type. Using the minute type, **TMSDS/PSI-PM** will indicate which IC type will be used in writing the IC record.

The 'ready to order' flag is updated in the same way as 'request for costing' described above.

Every time an IC record is created, minutes are also automatically written. These minutes can be emailed if required.

PSI minutes will also be automatically created every time a PO is created or the PO details are maintained.

Display Sales Analysis

Note: There are 3 different column formats in which this screen can display. Click **Change Format** to select a different format. Column definitions are established in **TMSDS/SAI-COL**. The formats are as follows:

- New sales, Stock sales, Gross, Returns, Net, Returns %
- Sales qty, Sales amount, GP %, Budget qty, Budget amount, Budget %
- New sales, Stock sales, New budget, Stock budget, New budget %, Stock budget %

The logic used to obtain the new budget and stock budget is as follows:

- The system reads the SAHM using the budget type entered on the initial screen.
- Using the sales division (SMSDV) of the budget record, the system checks if there is an existing record in **TMSDS/TR-SDV**.
- If sales divisions exist in this Control File it displays the budget value and/or quantity on the screen in the column defined in **TMSSA/SAI-COL**.

Display Screen Writer Definition

This function provides the facility to soft-code the way various detail lines display on the PSI Maintenance screen, as well as determining the number of detail lines that display. The only fixed lines are the suggested order, purchase, sales and inventory lines, all other lines are user defined.

Example: The 'Actual I/R', 'Target I/R', 'Fwd orders', and 'Seas pattn' 'Sales', 'Returns', and 'Net' in the PSI maintenance screen are soft-coded and are defined in **TMSDS/PSI-LTYP**.

Click **Change** next to the computed definition to be maintained. You are then returned to the PSI maintenance screen where you can make changes.

Refer to the section **Add a PSI Variable Display Definition** of the documentation for field descriptions.

Examples

This section illustrates examples concerning:

[Example 1: Work with PSI Maintenance](#)

[Example 2: PSI Simulation](#)

[Example 3: Work with Suggested Orders](#)

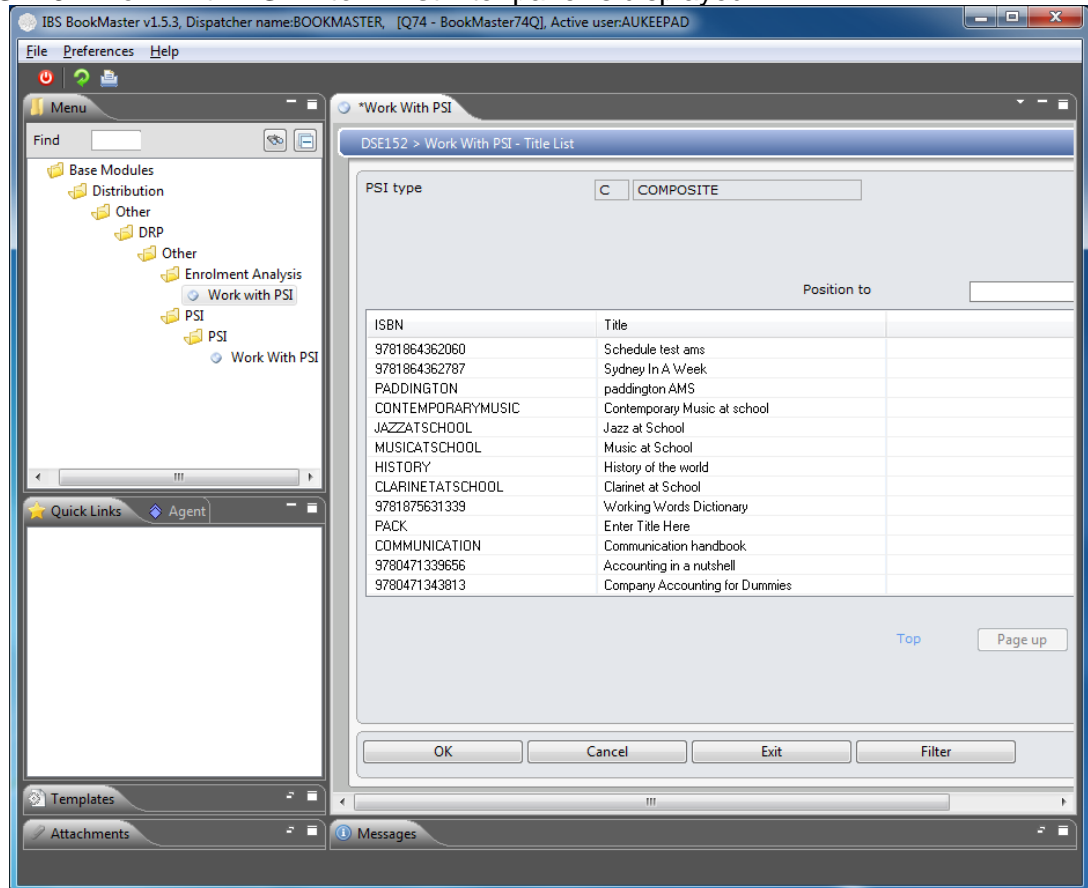
Example 1: Work with PSI Maintenance

This example describes how to work with PSI Maintenance.

In PSI Maintenance if the item has either a previous or next ISBN linked, the whole header line (not just the item) where the item is displayed will be highlighted. This is because all header lines are user configurable and will be not able to selectively highlight certain portions of a header line.

1. Select option **Work with PSI** from Base Modules> Distribution> Other> DRP> Other> PSI> PSI menu.

DSE152 Work with PSI – Item List filter panel is displayed.



Relevant Fields

PSI type

PSI type

PSI Types are user defined codes that allow you to group titles by your major Businesses by Groups. Examples: Export, Retail, Inter-company, Projects or Major Inventory Groups. Example: Domestic, Export.

Bond/free/composite

In the Plan Order Report, enter the Type that corresponds with the Forecast ID selection in the previous field.

Level 1-5

Title Level groups define product details into different levels for analysis purposes. It is a hierarchical structure. The Levels are system-defined; however, each level can hold an unlimited number of user-defined codes to identify the various groupings within the level. You are therefore able to analyse information by, for instance: Individual Title. Title Classification Information, relating to all titles that carry a specific classification type, is grouped and presented, such as a Markup Class/Sales and Forecast Group. Total Information, relating to all Titles is grouped and presented.

Class type

Titles can be categorized into several Classification types. The entry in the next three fields depends on what was entered Classification field. This gives the user multiple options to view products that are flagged under certain

conditions.

Example: Low Stock report, Program Meeting, and by a specific Stock Controller.

In PSM Definition Maintenance the entry in this field depends on what was entered previously in the Title Key Level field.

Suggested orders can be generated by Title Classification.

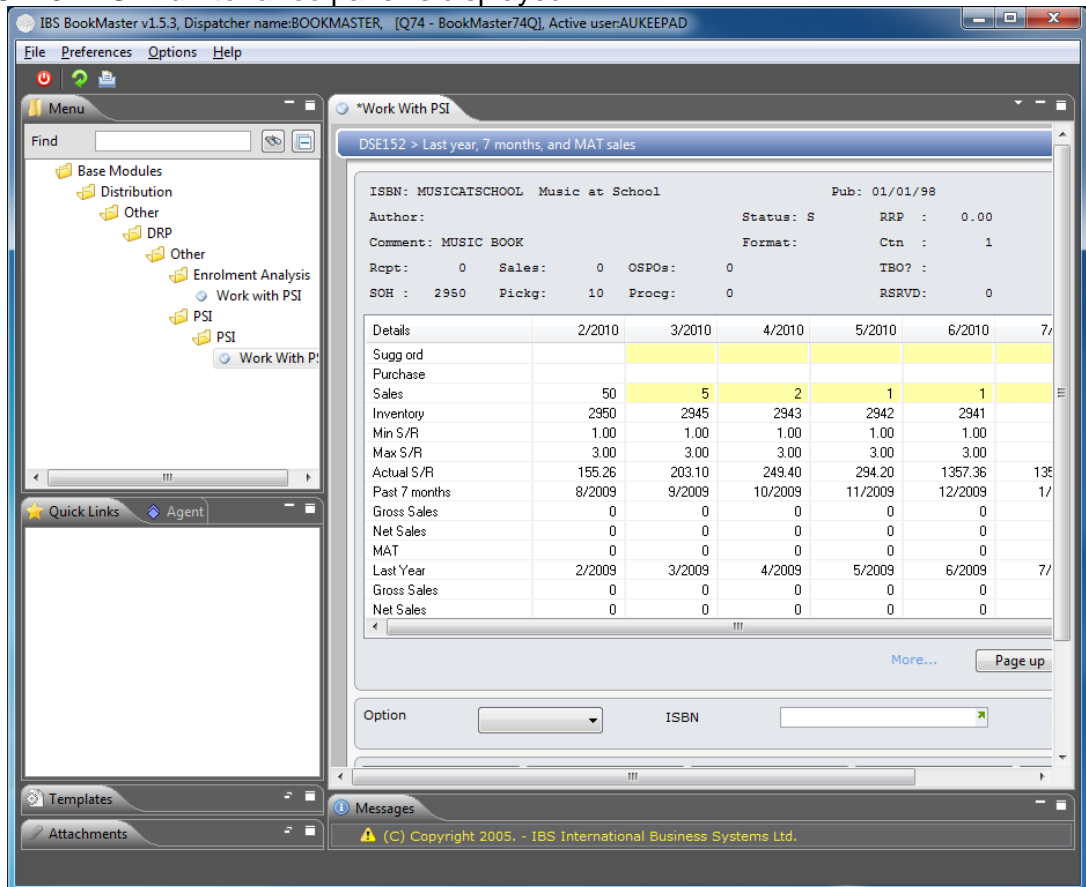
Class code

Entry of the Class Code is optional. Class Codes are established in various Control Files depending on the class type entered. For example if the Class Type entered is IC-CG, then the class code will validate against TMSDS/IC-CG.

In Suggested Orders, if a Classification type has been entered in the previous field, enter the Classification codes to match when generating a suggested Order.

2. Select item and click **Select**.

DSE152 PSI Maintenance panel is displayed.



Functions

Email address

Access DSW520 Email Address Maintenance. E-mail Address records various email addresses internal or external to the Company.

Item Supplier

Access PUI903 Item Supplier Search. Item Supplier displays all the Suppliers, their Port of Embarkation, Order Lead Time and Delivery Lead Time times for the selected Title.

Relevant Fields
Sequence

This sequence refers to the reporting sequence used in PSI reports. The sequence is defaulted to 99999 and can be overridden.

In PSI Screen Writer Def, displays the line order of sequence.

In the Plan Order Report, enter the preferred sequence that you wish the report to print.

Warehouse

This is the warehouse the goods are to be received **into** and defaults from TMSDS/PSI-BOND.

Comments

Free format text can be used to record any Special instructions. This can be printed on the Purchase Order if required.

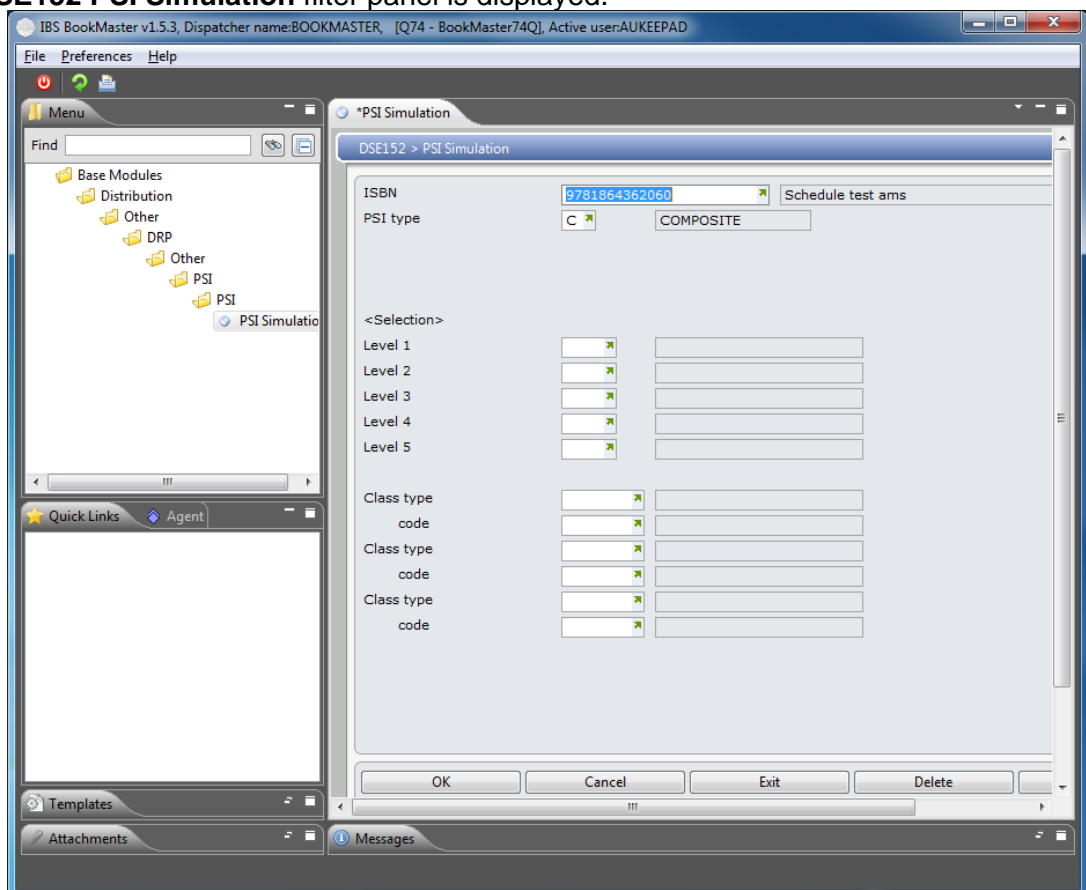
3. Key in required fields and click **OK**.

Example 2: PSI Simulation

This example describes how to work with PSI simulation.

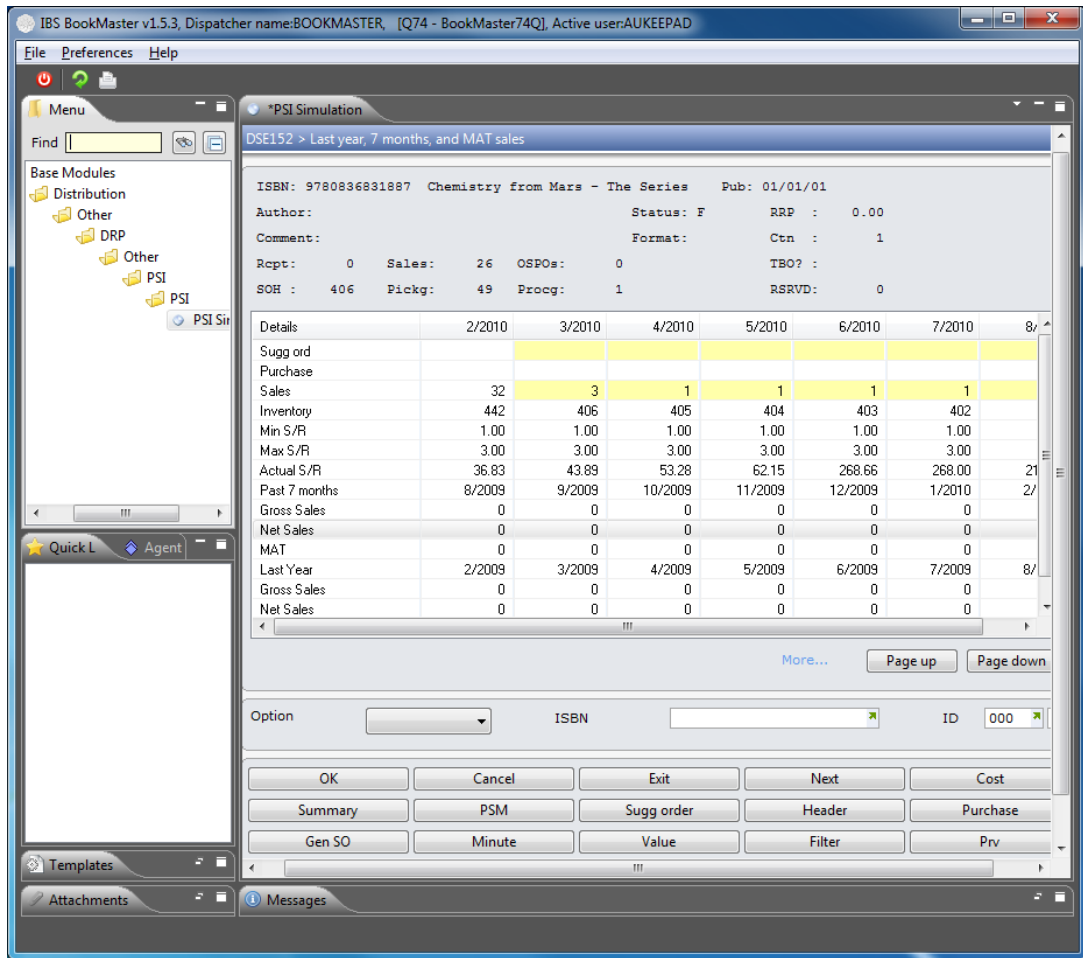
1. Select option **PSI Simulation** from base Modules> Distribution> Other> DRP> Other> PSI> PSI menu.

DSE152 PSI Simulation filter panel is displayed.



2. Key in required fields and click **OK**.

DSE152 PSI Simulation main panel is displayed.



Options

Sales

Access SAI105 Sales Analysis to display the Sales analysis inquiry screen relating to the Title selected from the PSI maintenance screen. **TMSDS/DSE152** must be set up with the Sales analysis levels that are to be viewed from the PSI maintenance.

Scrn Writer

Access DSW152 Work with Screen Writer Definition to display the PSI Variable setup, giving the user the option to maintain the variables, if they are authorised

Category

Access DSI152 PSI Summary by Category to display summary of purchases, sales and inventory for a selected category. (**TMSDS/PSI-CSMC**)

Mark PM

Access DSE152 Requested Meeting – Mark. Mark PM Request Meeting tags the Title into the Meeting Minutes Manager

The PSI Module has a facility to be able to flag an item to indicate the following:

It has suggested order quantities

Mark an item for program meeting review

PO can be generated in the Batch Purchase Order run

Flag an item for which a request for costing to Book

	Production has been raised
Maint Item	Access DSM015 Item Masterfile Maintenance to maintain selected item details.
P&A-1	Access DSE152 Where-used Item Selection for price and availability inquiry. P&A Refer to the General Inquiries documentation for more information regarding the functions and options available on this inquiry.
Functions	
Next	Next is used to view the next Items purchasing, inventory and sales details.
Cost	<p>Access DSI237 Landed Cost Breakdown inquiry, which shows estimated costing details for the product, current for that month, such as:</p> <p>PSI calculates the total landed costs by adding the landed costs of the individual components that make up the System/Pack.</p> <p>Buying price, by unit and for the total ordered quantity.</p> <p>The normal buying price can be recorded, as well as the buying price for Duty purposes only. The latter is established in conjunction with Customs.</p> <p>Exchange rate for that month.</p> <p>Breakdown of the various charges that make up the Landed Cost.</p> <p>The system defaults the buying/sales price, budget/forecast ID, and pricing system within PSI, based on the definitions on a system Control File.</p>
Summary	Summary facilitates to display summary period being Monthly, Quarterly etc. With a different ending period
PSM	<p>Access DSM410 Price Simulation Maintenance program. Displayed information includes:</p> <p>Dealer Prices</p> <p>Buying price/method, and its</p> <p>Effective/Expiry date,</p> <p>Landed cost</p> <p>Minimum Margin and Gross margin.</p> <p>The PSM module uses the landed cost, and in the case of Systems or Packs the total landed cost, combined with the relevant pricing factors to calculate a new price.</p>
Sugg Order	<p>Access DSE152 PSI Simulation displaying costing details of suggested order records.</p> <p>Entry of the shipping method, receipt day code and order quantity causes the system to give a suggested purchase quantity for this year, and recalculate the stock landed cost and stock ratio. PSI not only uses the FOB price, but allows</p>

for the definition of the buying method and buying price. This can be viewed and the ordered quantity amended if so desired.

Header

Header accesses the PSI header which enables you to maintain the preferred supplier and the warehouse. Free format text fields can be used to record any comments and remarks. This allows the user to change default values for that period, months to window and initial cursor position.

Purchase

Access DSE152 Where-used Item Selection displaying displays the Current Purchase Order details created from PSI and the Purchasing Module. The Landed Cost and Purchase Order Generation program is then selected to have this new order(s) generated. Also shown are the purchase orders that have currently been generated for this ISBN, System or Pack, and their buying price details. By selecting the F20=Right function unit costs are displayed as well as the order period. Details that display are:

ISBN

PSI type

Period

Purchase order number, status, Estimated Time of Arrival, Completed flag,

Quantity ordered, invoiced, delivered.

Buying price details, Price Currency, Shipping Method, Supplier

Gen SO

Access DSE152 Suggested Order Generation program. Gen SO generates a suggested order, either by adding to existing orders or replacing existing order by selected periods.

Suggested Ordering Flags have been developed to allow greater flexibility when raising Purchaser Orders and deciding on which items to order from a Suggested Order. When a suggested order has been raised, flags for "Ready to Order", "Request Costing" and "Request" can be set when reviewing the item to determine what action needs to be taken. If the "Ready to order" flag is set, then the PO can generate only for these items if required. The flags can be cleared or retained when regenerating the next order.

User defined rules set against the generation of suggested orders ability to specify the rules you wish to apply, for example, do you want to pick the items with the lowest price, shortest lead time, preferred supplier or round up to the suppliers pack quantity. These rules are user definable and can be applied to existing suggested ordering.

Components of a system /pack are now included in the generation of a suggested order and not just accounted for at the pack/system level.

System component visibility in PSI provides user increased accuracy when analyzing their inventory by providing a true

and accurate picture of stock.

Minute

Access DSW520 Work with Minute. Minute marks titles to be reviewed. A report is also available to identify items marked for a meeting review. The items can be flagged for either group discussion, review and approved for raising purchase orders and flagged as requiring products costing.

Re-sequence of PSI records to match the report allowing the user to page through PSI maintenance screen in the same sequence as printed on the report.

Value

Access DSI154 PSI Sales Allocation showing Sales breakdown by Sales allocation information.

Filter

Access DSE152 PSI Simulation – Filter displaying the Filter panel for Sales Analysis.

Prv

Prv is used to view the previous title's purchasing, inventory and sales details.

Prev/Next Window

Prev/Next Window displays the previous or next current period

Show Header

Show Header shows Header information (values/variables) on the PSI Maintenance screen which is soft coded and user definable. This addresses the requirement to display minimum order quantity, minimum stock level and safety stock on the header screen. There are 6 header lines, where the can be added.

Relevant Fields for Header Variables

Available Inventory

This displays the Current Stock on Hand. This is made up of Stock on Hand + In Transit Quantities for all warehouses linked to the PSI type in TMSDS/PSI-WH.

Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry.

Fields = Stock on Hand + In Transit.

The Stock Function key can be used to access this Inquiry.

Consider also **TMSDS/WH-SOHA** Reduce stock available because of: B/O, F/O, RSV.

ABC Class

This ABC Class defaults from the Item Masterfile in the Distribution Module. Maximum length to display is 1 character.

MTD adjust

In PSI Maintenance the Month to Date Adjustment quantity displays for all warehouses linked to the PSI Type in **TMSDS/PSI-WH**.

Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry field – Adjust. The Stock function can be used to access this inquiry.

Alternate Item

The Alternate Item defaults from the Item Masterfile in the Distribution Module.

Available

Displays the Available quantity from the selected warehouses

Saleable	<p>defined in TMSDS/PSI-WH.</p> <p>Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, fields = Stock on Hand – In processing – In picking – For systems – Unmade systems – Discrepancy – Next Month.</p> <p>The Stock Function Key can be used to access this Inquiry.</p> <p>Consider also TMSDS/WH-SOHA Reduce stock available because of: B/O, F/O, RSV.</p>
PSI Type Description PSI type	<p>This displays the Business Description for the selected PSI Type.</p> <p>PSI Types are user defined codes that allow you to group titles by your major Businesses by Groups. Examples: Export, Retail, Inter-company, Projects or Major Inventory Groups. Example: Domestic, Export.</p> <p>Bond/free/composite</p> <p>In the Plan Order Report, enter the Type that corresponds with the Forecast ID selection in the previous field.</p>
Backorder qty	<p>This displays the Backorder quantity in the Warehouse File (DSWH00P).</p> <p>Note: This figure can be checked against the Item Stock Inquiry, field = On Backorder. The Stock Function Key can be used to access this Inquiry.</p>
Cease Date	<p>This Cease date defaults from the Item Masterfile in the Distribution Module. The maximum length to display is 10 characters. The format that displays depends on *****/DATFMT whether it is in D/M/Y, M/D/Y or Y/M/D.</p>
Item Comment	<p>The comment defaults from the Item Masterfile in the Distribution Module.</p> <p>The maximum length to display is 40 characters.</p>
Subject	<p>A description of the reason for, or purpose of, the meeting.</p> <p>In PSI Maintenance – Requested Meeting, enter the subject of the meeting being requested.</p>
Carton Quantity	<p>The Carton Quantity defaults from the Item Masterfile in the Distribution Module.</p> <p>The maximum length to display is 5 characters.</p>
Economic Order Quantity Item	<p>The EOQ defaults from the Warehouse Stock Levels Definition File (DSM070)</p> <p>The Item defaults from the Item Masterfile in the Distribution Module.</p>
Inventory	<p>In PSI Maintenance the Current Stock on Hand displays. This is made up of Stock on Hand + In Transit Quantities for all warehouses linked to the PSI Type in TMSDS/PSI-WH.</p> <p>Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, fields = Stock on Hand + In Transit.</p>

	The Stock Function Key can be used to access this Inquiry.
Stock Status	The Stock status code defaults from the Item Masterfile in the Distribution Module.
Item Description	The Item defaults from the Item Masterfile in the Distribution Module.
Extended Description	The Extended description defaults from the Item Masterfile in the Distribution Module.
Saleable	Displays the Available quantity from the selected warehouses defined in TMSDS/PSI-WH. Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, fields = Stock on Hand – In processing – In picking – For systems – Unmade systems – Discrepancy – Next Month. The Stock Function Key can be used to access this Inquiry. Consider also TMSDS/WH-SOHA Reduce stock available because of: B/O, F/O, RSV.
Item Status	The Status code defaults from the Item Masterfile in the Distribution Module.
Local Product	The Local Product flag defaults from the Item Masterfile in the Distribution Module.
Life to Date quantity	The Life to day quantity defaults from the Sales History files. The Calculation is as follows: Last Year LTD (SAHL00P) + Year to Date YTD (SAHM00P) Note: If the File SAHL00P is empty then no figures are displayed. To view use the sales inquiry – Item Sales Inquiry (DSI092).
Maximum stock level	The Maximum stock level defaults from the Warehouse Stock Levels Definition Files Warehouse National Costing File (DSWHN00P) and Warehouse File (DSWH00P) Based on TMSDS/WH-CSTB which determines whether the costing is at national level or Warehouse Level.
Minimum stock level	The Minimum stock level defaults from the Warehouse Stock Levels Definition Files Warehouse National Costing File (DSWHN00P) and Warehouse File (DSWH00P) Based on TMSDS/WH-CSTB which determines whether the costing is at national level or Warehouse Level.
Next Item	This is determined by the Item Masterfile. Example: If the previous item for 'Item C' is 'Item B' and previous item of 'Item B' is 'Item A'. Then, the next item for 'Item B' is 'Item C'.
In Transit	This displays the In Transit quantity from the selected warehouses defined in TMSDS/PSI-WH . Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, fields = In Transit (OITQ)
On Board	The On Board quantity defaults from the Warehouse Stock

	File (DSWH00P).
	Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, fields – On Board (OOBQ).
Country of Origin	The Country of Origin defaults from the Item Masterfile in the Distribution Module. The maximum length to display is 4 characters.
Reserved Stock	The Reserved stock defaults from the Warehouse Stock File (DSWH00P). Note: This figure can be check against inquiry DSI020 Item Stock Inquiry, field – On Reserve Order (ORSV).
MTD others	In PSI Maintenance the Month to Date other quantities display for all warehouses linked to the PSI Type in TMSDS/PSI-WH . Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, fields – Outstanding In transit quantity (OITQ) – Reserved unmade systems (I2RPAK) – Reserved for packs (I2RUSQ)
MTD receipts	In PSI Maintenance the Month To Date Receipt quantities display from the Purchasing Module and any orders generated from PSI for all warehouses linked to the PSI Type in TMSDS/PSI-WH . Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, Field = MTD Receipt + Reserved for unmade systems quantity. The Stock Function Key can be used to access this Inquiry.
Pending qty	This displays the Pending quantity. This is made up of Current Orders 'In processing' with a status of P = Pending from the Warehouse stock file. (DSWH00P). Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, field = In Processing. The Stock Function Key can be used to access this Inquiry.
Previous 1 Item	The Previous 1 Item defaults from the Item Masterfile in the Distribution Module.
Previous 2 Item	The Previous 2 Item defaults from the Item Masterfile in the Distribution Module.
Previous 3 Item	The Previous 3 Item defaults from the Item Masterfile in the Distribution Module.
Held by Warehouse	The Held by Warehouse defaults from the Warehouse Transaction File. These are the transactions in transit within the Warehouse process. Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, field = Held by Warehouse. The Stock Function Key can be used to access this Inquiry.
Start date	This date defaults from the Item Masterfile in the Distribution Module.

	<p>The Start date is the Release date.</p> <p>The maximum length to display is 10 characters. The format that displays depends on *****/DATFMT whether it is in D/M/Y, M/D/Y or Y/M/D.</p>
For System	<p>The For System defaults from the Warehouse Transaction File. These are the transactions placed on hold for Systems.</p> <p>Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, field = For System and unmade systems</p> <p>The Stock Function Key can be used to access this Inquiry.</p>
In Picking	<p>This displays the In Picking quantity from the selected warehouses defined in TMSDS/PSI-WH.</p> <p>Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, field = In picking</p> <p>The Stock Function Key can be used to access this Inquiry.</p>
In Processing	<p>This displays the In Processing quantity from the selected warehouses defined in TMSDS/PSI-WH.</p> <p>Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, fields = In Processing + Pending.</p> <p>The Stock Function Key can be used to access this Inquiry.</p>
Reserved Putaway	<p>The Reserved Put away defaults from the Warehouse Transaction File. These are the transactions in transit within the Warehouse process.</p> <p>Note: This figure can be checked against Item Stock Inquiry, fields = Reserved Putaway.</p> <p>The Stock Function Key can be used to access this Inquiry.</p>
Recommended Retail Price	<p>The RRP defaults from the price that was determined in the PSI screen writer header section for extended definition.</p>
MTD sales	<p>In PSI Maintenance the Month to Date Sales quantity minus Credits displays for all warehouses linked to the PSI Type in TMSDS/PSI-WH.</p> <p>Note: This figure can be checked against inquiry DSI020 Item Stock Inquiry, fields = Sales – Credits. The Stock Function Key can be used to access this Inquiry.</p>
Safety Stock Quantity	<p>The Safety Stock quantity defaults from the Warehouse Stock Levels Definition File (DSM070)</p> <p>A warning message displays when stock falls below the safety stock level. The closing inventory by period is checked and a message displays if the stock on any of the periods displayed on the screen is negative or less than the safety stock. The 'Purchase to' warehouse from the PSI header is used to obtain the warehouse where the safety stock is defined. The warehouse file has been hanged to include the new field to capture the safety stock. The warehouse stock level definition program has been modified to include the</p>

	safety stock field.
Substitute Item	The Substitute Item defaults from the Item Masterfile in the Distribution Module.
MTD Tfr I/O	<p>In DSE152 PSI Maintenance the Month to Date Transfer In and Out quantities display for all warehouses linked to the PSI Type in TMSDS/PSI-WH which indicates that the Warehouse is Saleable =Yes and Warehouse = Yes.</p> <p>Note: This figure can be checked against Item Stock Inquiry fields = transfer out – transfer in. The Stock function can be used to access this inquiry.</p>
Total O/S Purchase Order Quantity	<p>The Total Outstanding Purchase Order quantity display for all warehouses linked to the PSI Type in TMSDS/PSI-WH.</p> <p>The Total outstanding Purchase Order Qty for Bond = PSI type</p> <p>What is O/S P/O Qty?</p> <p>If the field ICF = Yes => QINV (invoiced quantity)</p> <p>If the field RCF = Yes => QRCV (received quantity)</p> <p>If the field QORD (outstanding order quantity) > QRCV => QORD – ORCV</p> <p>What about Systems/pack?</p> <p>Bill of material explosion</p> <p>MRP computation is from the Unmade System/Pack items file (DSUSP00P).</p>
Unit of Measure	<p>The UOM defaults from the Item Masterfile in the Distribution Module.</p> <p>The maximum length to display is 3 characters.</p>
Item Classification	<p>The Item classifications are user defined and therefore are unlimited.</p> <ol style="list-style-type: none"> 1. Remember to add the IC-XXX to TMSDS/IC-TYPES to become active. 2. Add the IC-XXX to TMSDS/PSI-VAR 3. Add to the Screen Writer Header in Format A, B, C, or D <p><i>Example: @EDT : \IC-EDTR (Editor)</i></p>

Relevant Fields for Detail Variables

Line Types	<p>In PSI screen these are the available line types that can be used in the review process.</p> <p>In Screen Writer define the line type and source of data to be displayed in the DSE152 PSI screen. The Line types are established in TMSDS/PSI-LTYP.</p>
Actual Inventory Ratio	<p>This calculation is based on the Target Inventory Ratio Parameters set up in the Stock Ratio Maintenance screen.</p> <p>Formula used to calculate suggested orders based on the</p>

inventory ratio:

Average sales method

Suggested orders for period N =

(Target I/R for period N * Average sales for period N)

+ Sales for period N – Stock for period N-1 less outstanding purchase order quantity for the period.

Example:

Calculation method. . 1 Average sale

Offset code 1 (0=Current month, 1=Forward, 2=Backward)

Months to offset . . . 1

No. Months to average 3

CM M1 M2 M3

100 110 120 130

$(110+120+130)/3=120$

However, if actual sales are greater than sales from PSI database (forecast demand), the actual sales replace the sales from PSI for the first month.

Reducing method

This is the number of months to reduce the stock to zero.

Suggested orders for period N =

(Sum of sales from period N to Target I/R)

Stock for period N-1

All actual purchases for period N

However, if actual sales are greater than sales from PSI database (forecast demand), the actual sales replace the sales from PSI for the first month.

Calculation type

If a CMP line type is selected the following additional screen displays after the <ENTER> key is pressed. CMP indicates that the line type is a calculated field. The entry required in this field is an arithmetic equation. The arithmetic operator '(' and ')' are used to group calculations. The program will perform arithmetic operator inside the brackets first.

Example of the equation is as follows:

$(\text{Sales Value} - \text{Sales Cost}) * 100 / \text{Sales value} = \text{Gross Profit Percentage.}$

Forecast/Budget

These figures are derived from the Forecast/Budget Files (DSFF00P). The Forecast/Budget field is mandatory as well as the Forecast/Budget ID and PSI type.

Forward Orders

Displays the that have been generated to the Outstanding Order File (DSOSA00P and DSOSB00P)

Note: This figure can be checked against the Item Stock Inquiry, field = On Forward Order.

	Function Key Stock can be used to access the Item Stock Inquiry
Forecast qty by PSI	This Forecast quantity is from the Forecast Files DSFF00P. This line type will allow display of any of the available forecast data.
Inventory qty ('I' in PSI)	<p>Inventory</p> <p>This displays the ending inventory for each period. This changes if any purchase orders have been created or are about to be created through the PSI and the Purchasing modules and also if suggested order or projected sales are changed.</p> <p>Close stock</p> <p>In PSI Stock Movement, the Closing stock for the month in PSI Summary by Category displays.</p> <p>Computed as + purchases – Sales + or – adjustments + transfer in – transfer out +/- other.</p> <p>However if Monthly sales are greater than Sales quantity for the current period, the calculation is:</p> <p>Opening Stock + Suggested Order + Purchases + Sales.</p> <p>Note: For the current month the Closing stock quantity can be checked against Title Stock Inquiry, field = MTD Close. Only if the actual sales are greater than PSI sales.</p>
Maximum stock ratio	<p>The minimum stock ratio is the re-order point, and the maximum is the order up to inventory level. An order is recommended when the sum of the available and on-order inventory is at or below the minimum.</p> <p>These values are defined in the Stock Ratio Maintenance File.</p>
Months to Reduce	This is the number of months to reduce or define in the stock ratio file for calculation method of reducing method.
Minimum stock ratio	<p>The maximum is the order up to inventory level. An order is recommended when the sum of the available and on-order inventory is at or below the minimum.</p> <p>These values are defined in the Stock Ratio Maintenance File.</p>
P/O qty ('P'in PSI)	These are all the outstanding Purchase Order quantities for the relevant PSI type.
P/O by PSI type	Shows outstanding Purchase Orders for the selected PSI type.
Period	This is a heading line. This displays the Month and Year in MMYYYY format. If left blank this display the period from the current period
Reservation order	Displays reservation orders from the outstanding order file.

Sales By PSI Type	<p>This displays the sales from the PSI 'S' (Sales) figure in the PSI file (DSPMS00P) for the corresponding periods. If the field 'Month to off-set' is entered this can be used for previous month's sales.</p>
Cost from sales analysis PSI sales qty ('S'in PSI)	<p>The cost is retrieved from the Sales History file.</p> <p>The actual projected quantity displayed is the sales for the month.</p> <p>Previous: The actual sales quantity is derived from the Sales History file (SAHM00P) based on the Customer/Title level defined on the Variables display screen.</p> <p>Current: The quantity is obtained in the same manner as Previous, except PSI sales quantity for current period is used if it is greater than actual.</p> <p>Future: The quantity is from PSI sales file (DSPMS00P)</p>
Suggested order by PSI type Sugg ord qty(previously fixed)	<p>This is all the suggested purchase orders generated in the PSI file (DSPMP00P)</p> <p>In PSI Maintenance, entry in the Suggested Order field recalculates the Inventory field quantity. The system bases the calculation on the current month's stock level and the average sales over three months.</p> <p>The Suggested Order function key can be pressed to display the suggested order screen and will allow users to generate suggested orders based on projected sales, inventory and targeted inventory ratio.</p> <p>If the data has been entered within the suggested order screen the quantity will remain on the first screen.</p> <p>However if you change your mind the quantity can be deleted by using the field exit key this will also remove it from the Suggested order screen. If there are two records existing then select the Suggested Order Function Key to remove both details.</p>
Seasonal Patterns	<p>Defaults from Title Masterfile field Profile Code. This must first exist on the Forecast Profile Definition file within Sales Decision Support.</p> <p>Note: If the Title Masterfile field is left blank then the seasonal pattern will default to Even Spread. $100/12 = 8.333333333333$.</p>
Qty from sales analysis Value from sales analysis Text line	<p>The quantity is retrieved from the Sales History file.</p> <p>The value is retrieved from the Sales History file.</p> <p>This text line is used to create Sub headings within the PSI screen. For the Field Display if zero answer 2=No.</p>

3. Enter or maintain suggested order quantity and sales quantity and click **OK**.

that month, such as:

PSI calculates the total landed costs by adding the landed costs of the individual components that make up the System/Pack.

Buying price, by unit and for the total ordered quantity.

The normal buying price can be recorded, as well as the buying price for Duty purposes only. The latter is established in conjunction with Customs.

Exchange rate for that month.

Breakdown of the various charges that make up the Landed Cost.

The system defaults the buying/sales price, budget/forecast ID, and pricing system within PSI, based on the definitions on a system Control File.

PSM

Access DSM410 Price Simulation Maintenance in inquiry mode.

Ready Order

Ready to Order gives the user access to enter the required quantity to order.

Functions

Detail

Detail displays the Supplier item, Quote ID, Buyer code, Approval Code

P/O

Access DSE160 Current Purchase Orders displaying the Current Outstanding Purchase Order details created from PSI and the Purchasing Module

Minute

Access DSW520 Work with Minutes displaying all the notations made against the selected title

Relevant Fields

Qty

The suggested quantity displayed can be altered or deleted. Additional orders can be generated for different delivery times. This quantity field is stored on the PSI Purchases file until the purchase order has been generated.

In the warehouse generation process will reduce the requested quantity from the stock file for a HUB when generating the purchase order. The purchase always defaults to HB warehouse from **TMSDS/PP-HUB**.

Buying Prc

Enter the Buying price for this order. This is in the Trade price. If left blank the Buying Price will be defaulted from the Buying Price file and if none exists then the Title Masterfile. The buying price retrieval process checks **TMSDS/PO-COST** to determine whether to use the buying price from the item master or from the buying price file. If the buying price file is to be used, default values such as buying price ID and shipping method to retrieve the buying price record which will come from **TMSPU/BP-DFT**. This will take precedence over the buying price ID from **TMSDS/PO-COST**. This will then allow the buying method to be blank in **TMSPU/BP-DFT**, and the Buying Price Retrieval program will obtain the relevant

	buying method.
Discount	Any discount amounts applicable to this title default.
Total	This is the calculated Total for the Title.
C	Select a valid currency code for the PSM definition. In PSI Maintenance, the Currency defaults from the Supplier Currency defined on the PSI header and cannot be overridden.
Buy Mth	Defaults from a combination of the Title Supplier file and the Buying Price file if set up.
Supplier	The supplier defaults but may be overridden.
SM	The shipping method allows the user to only consider those suppliers with matching shipping method. If this field is left blank, the system will consider all suppliers in generating the suggested orders transactions.
Port Emb.	Defaults from the Title Supplier file.
RD	The Receipt Day field is a facility to record the preferred day of the month on which stock is to be delivered into the warehouse and defaults from the Supplier file but can be overridden. A system code file is used to define the preferred stock receipt date within a monthly period. The purchase order generation program calculates the ETA date for the purchase orders based on this receipt day code and the supplier's lead time. In the case of Packs/Systems where the components may have different lead times, the PSI system uses the greatest lead time to calculate the ETA date.
Order period	<p>The order period is computed as the selected period less the supplier and delivery lead times.</p> <p>Warning...latest order date has passed for this supplier/title combination.</p> <p>The order lead time specified for this "supplier/title/shipping method/port of embarkation" combination is greater than time available to receive goods by the required date.</p> <p>Change supplier, supplier lead time, shipping method, port of embarkation or receipt day code if required or accept as is if this situation is correct.</p>

3. Make any necessary changes to the supplier information for the selected Title. Click **OK** to return to the main screen. Email address is accessed from here.

Note To display purchase orders, summary, minute note/run inquiries on price simulation, sales allocation, price availability for selected item/ maintain PSI header details, PSI summary by category, item masterfile, screen writer definition/ generate suggested orders/mark an item for program meeting review/ buying price retrieval, select the formula and click on the corresponding option.