

Owner Invoicing

Aptean Ltd
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1 Owner Invoicing

1.1 IN PROGRESS

Note:

- Ensure that the flag SOP Invoicing is set to 'Y'
- For Rent charges to be calculated and generated, the End of Day Process needs to be running.

1.2 INTRODUCTION

This document describes the screens that are required to set up the data for the invoicing of owners for warehouse services provided. Other guides describe the set up of company, user, warehouse, owners etc as well as the actual invoice generation process.

This is a generic guide based on the version of the SCE system at the time of writing.

It can also be used by clients to specify their specific data values to aid initial system set up as well as for future reference.

Note that fields marked ??? are mandatory and are needed to ensure correct set up of the system.

Functionality

- There are three types of owner invoicing available, at Receipt, at Despatch and Rent.
- Goods receipt charges are generated when goods are receipt confirmed. A screen will pop up showing the auto-created charges, and allowing additional charges to be entered.
- Despatch charges are created when an order is despatch confirmed. Again a screen pops up showing auto-created charges and allowing further manual charges to be entered.
- Three different rent calculations are supported:

- 1 - The average of the goods in the warehouse at the start and the end of the period.
- 2 - Goods in the warehouse at the start of the period plus all goods received during the period.
- 3 - Goods in the warehouse at the end of the period plus all goods despatched during the period.

- Rent charges are generated manually from a parameter screen for invoice cycle periods.
- The invoices are created manually from a parameter screen for the current invoice cycle. All uninvoiced owner charges, rent, receipt and despatch, are generated onto an invoice.

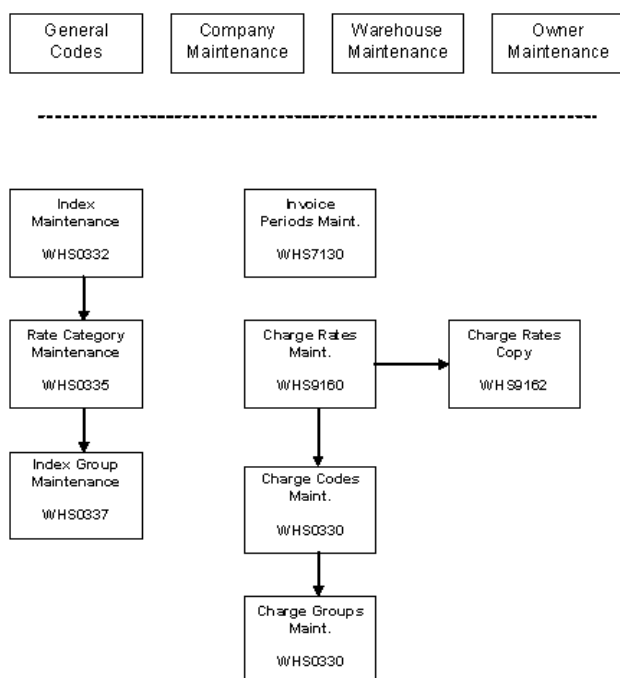
Quick Setup

- To set up charging data, first create rate tables using WHS9160 Rate table maintenance. These can use a variety of breakpoint types, and support either fixed amounts (up to 10 pallets £X, 11-26 pallets £Y etc) or rates (up to 8 pallets £X/pallet, 9+ pallets £Y/pallet)
- Create charge codes that use the rate tables using WHS0330. Note that the business type must be set to be REC for Receipt, DES for Despatch and CYC (cycle) for Rent, and the charge level to header/detail/pallet. Only these charges are supported in the Owner Invoicing.
- In the Owner Maintenance, the charging tab must be filled in. The Invoice Type must be set to Invoice Cycle, and the Rent Mode set. For Rent you need to set up the invoice cycles which determine whether rent is charged in weekly, fortnightly, monthly cycles etc.



1.3 Overview

Below is the diagram of required screens to support the Owner Invoicing functionality



1.4 PRE-REQUISITE SYSTEM SET UP

In order for the Owner Invoicing to function there are a number of items of information required at Company, Owner and Warehouse level. The user is referred to the User Guides for these areas for full set up instructions for each of them but the relevant information is included here for ease of use of this guide.

1.4.1 General Codes Maintenance (PFS0260)

A pre-defined Code Type of ?BUSN? is used to control the setting of the 3 character BUSINESS TYPE codes to enable control of the various ?In Process charges?



Type	Length	Description	Code Flag	Info
BUSN	3	Business Type	Yes	▼

Extra Info Details

Note that this code and the 'general codes details' are 'once off' set up codes applicable to all data on the system, regardless of the number of warehouses / owners that utilise the system.

1.4.2 General Codes - Details (PFS0261)

Code Value must be set to the pre-defined codes to identify each of the valid BUSINESS TYPE codes given below.

Company: JP1 Department: 0000 03-SEP-2010 PFS0261 v1.4

Code Type: BUSN

Code Value: REC Values may not exceed 3 characters.

Description: Goods Receipt

Short Desc: GRN

Next Value: Prev Value: Code Interval: 0.00

Code Rate: 0.0000 Code Amount: 0.00 Code Flag: ☐

Fixed Value:

Delete Flag: No

Close

These are predefined codes used to identify the various charge processing that is carried out within the WMS.

Code Value	Description of Processing Type
MIS	Miscellaneous - Can be applied to any type of process or ad-hoc entry
REC	Goods Receipt
IVT	Inventory Management - Stock movements within the Warehouse (Carton or Pallet level)
FCP	Freeze / Chill processing - whether by Change Owner or Change Product Type



ORD	Order Handling Specials - for use by Despatch processing to carry out predefined ?Special processing?
DES	Goods Outbound - Despatch - Processing
CIN	Customer Invoice production - for raising a Customer Invoice through SOP
INV	Invoice Production processing - Stock Owner / Client / UPM Invoices Used for ?In Process? type charges, plus Minimum charge control, & Charge Group processing for the raising of charges at Invoice Level.
ADJ	Stock Adjustments processing
COO	Change of Ownership processing (actual change of ownership, not just to identify frozen / chilled owner codes)
RNT	Rent Charges
CYC	Any Charge raised at regular intervals i.e. Period End processing, e.g. Rent for ?next period? when using ?in advance mode?

1.4.3 Company Maintenance - Accounts Tab (CASN5010)

The following summarises the details that are required:

- Company Registration number
- VAT number
- Name and Address details for Head Office (HQ)
- ?Registered in city/town? fixed text details for invoice
- Late Payment rule - percentage and associated fixed text etc

Company Maintenance

Company: JP1 Department: 0000 13-SEP-2010 CASN5010 v4.9

Company JP1 New Test Company

Password Accounting Package Others

Main Accounts Warehousing Accounting Options

Currency GBP Ccy Rates Consolidation Company Expense Position 2 Dept Position 4

Tax Number 2323242424242 P & L

Company Reg. No LEW2132 Late Payment Text1 free text 1

Place Text registered in Late Payment Text2 free text 2

Place Registered liverpool Late Payment Percent 89.99

Late Payment Period Per month

This information relates to the ?Head Office? details for the Company. The code and details used for the Company Accounts and the details that will be printed on each invoice that will be sent to Stock Owners.

The ?Late payment? text etc. These lines and figures will be printed at the top of the invoice. See invoice details and example below.

1.4.4 Currency & Bank Details Maintenance (CASN5060)

The following summarises the details that are required:



Note that the following BANK information can be held for any / all currencies used by the company.

- Bank Name
- Bank Account number
- Payment address
- Bank Giro number
- Postgiro number
- IBAN (International Bank Account Number)
- SWIFT code

The screenshot shows the 'Currency Maintenance' application window. A sub-window titled 'Bank Details' is open, displaying 'Bank Maintenance' information. The fields are as follows:

Nominal Code	1234
Description	Type 1
Bank Name	Floyds of Bolton
Address	4 Long Lane Bolton
Sort Code	232323
Account Number	232323
Currency Code	GBP
Next Cheque Number	3
IBAN Number	34342141424234
Bank Identifier Code	
Bankgiro	
Postgiro	
Default	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Cheque run

On the right side of the 'Bank Details' window, there are additional options: 'Delete Flag' (checkbox), 'ISO Code' (text field), 'Unit Factor' (dropdown menu set to 1), and 'No. of Decimals (ED)' (text field set to 2). A 'Bank Details' button is located below these options. The main application window shows 'Company: JP1', 'Department: 0000', '13-SEP-2010', and 'CASN5060 v4.3'.

Similarly, this detail relates to the Company Bank details and the various account codes utilised. Separate details are expected for each Currency code that the Company will utilise.

These details will be printed at the bottom of each invoice produced.

1.4.5 Warehouse Maintenance (STKWHSE01A)

Select from 'Display Charges?' drop down box - Display, Don't display. Check Owner level,

Set INCD flag for Invoice number format. Choice of Yes / No for 'Use Check digit?'



Warehouse Maintenance

Company: JP1 Department: 0000 10-JUN-2025 STKWHSE01A v4.20

Main Copy UOM

Warehouse Id: W01 Warehouse Type: Standard Warehouse

Warehouse Name: Warehouse one

Address Line 1: address line one

Address Line 2: address line two

Town: address town

Country Code: GB Great Britain

Post Code: L1 3BY

Phone No: 0151 343 3434 Mobile No:

Fax No:

Prime Costing Method: S

Contact: Mr Gibbs

Bonded: No

Mix Products: Yes

Client Account Code 1:

Client Account Code 2:

Default Route Code:

Email Address:

Invoice Folder:

Department Code:

Time Zone:

Invoice Required: No Comm Inv Info Required

Zone Id:

SSCC Pallets Required: 0

Company Prefix:

External Digit:

Block Stacks Y/N?: No

Display Charges: Dont auto display charges

Invoice Check Digits:

Live Indicator:

Allow Loc Status by Qty: ☐

Bonded Warehouse

Warehouse Rules

Field Name	Description	Type	Values
Display Charges	Drop down flag - Are ?Auto Charges? to be displayed when confirming transactions	DISPLAY / DONT DISPLAY / CHECK OWNER LEVEL	
Invoice Check Digits	Invoice Check Digit required Used to define the use of the additional Check Digit on the Invoice Number making it a 9 digit number	YES / NO	N/a

1.4.6 Warehouse Doc. No. Maint (WHS9020)

This allows you to maintain the numbering cycles for various document types.

Warehouse Document Numbering

Owner: XXA Warehouse: XX1 14-SEP-2010 WHS9020 v1.4

Type	Description	Min Nos	Max Nos	Last Nos
CNINV	Credit Numbers	1	999,999	1
COMP	Generated by GEN_WARE_REF.	1	0	3
CONT	Contract Number	1	99,999,999	1
CPAL	Generated by GEN_WARE_REF.	1	0	90
CUPL	Customer Upload Num	0	99,999,999	0
DNT	Generated by GEN_WARE_REF.	1	0	199
GRN	Generated by GEN_WARE_REF.	1	0	180
INVCY	Generated by GEN_WARE_REF.	1	0	15
MINV	Generated by GEN_WARE_REF.	1	0	1
MLUID	Generated by GEN_WARE_REF.	1	0	139
OBPAL	Generated by GEN_WARE_REF.	1	0	0
ORD	Generated by GEN_WARE_REF.	1	0	341
PACK	Generated by GEN_WARE_REF.	1	0	82
PAL	Generated by GEN_WARE_REF.	1	0	1,026
PINV	Invoice Numbers	1	999,999	13

Use Case Examples:

For Owner Invoicing, enter the Minimum / Maximum / Last number details for the following Types:

- PINV for Invoice numbers.
- CNINV for Credit numbers.



For Shipment Pallets, ensure a Type value of SHHP has been entered.

1.4.7 Warehouse Rules Settings (WHS0078)

The following ?WHSE? level rule is used within the WMS Owner Invoicing processing:

- SACF - SAP Account Code format - Set flag to ?Y? or ?N?

Warehouse Rules Maintenance

Owner: XXA Warehouse: XX1 14-SEP-2010 WHS0078 v1.5

Warehouse: XX1 Standard Warehouse

Rule	Description	Flag
MAFL	Mark as Full - RF Repositioning	Y
EDPD	EDI DESP - Pack Details	Y
SARR	SAP Receipt Reversal	02
SATR	SAP Returns Reversal	04
EMVR	Enable Multi Wareh Routes	N
RFPI	RF - Picking Instructions	H
RFO1	Part Pick Only	Y
MPFR	Movements first field prompt	S
PTDF	Product Type Drip Feed	Y
SACF	SAP Account Code format	Y

Warehouse Maintenance...

1.4.8 Owner Maintenance (STS1000)



This is split into 4 distinct sections:

Invoice Details - for Standard Invoice processing

Field Name	Description	Options	Generic Value
<i>Invoice Type</i>	Flag to identify if Invoicing is applicable to this owner	NORMAL or NONE	
<i>Master Invoice Cycle</i>	Unique single character identifier for this owners cycle	Must be valid code from table INVOICE_CYCLE which will define it as Daily, Weekly, Half Monthly etc?	
<i>End Day</i>	If appropriate - defines that actual day that a period will end on	User defined	
<i>Current Period From/To</i>	The dates of the current Invoice Period for the Owner as defined by the running of the Invoice Production Process	Display only	
<i>Last Period From/To</i>	The dates of the last Invoice Period for the Owner as defined by the running of the Invoice Production Process	Display only	
<i>Combo Flag</i>	Identify whether Invoice and Credits should be produced as individual documents or combined onto one document	Drop down - COMBINED INDIVIDUAL	
<i>Payment Terms</i>	Free text for owner specific payment terms to be printed on Invoices	User input	

Rent Details - applicable to Rent Charge processing only

Field Name	Description	Options	Generic Value
<i>Rent Mode</i>	Fixed definition of the type of Rent applicable for the owner	None / Advance / Average / Fixed Advance / Maximum	
<i>Rent Cycle</i>	Daily / Weekly / Monthly / Half-Monthly etc (as described above). Note that although the same table is used to define the	As for Invoice cycle above	



Field Name	Description	Options	Generic Value
	CYCLE, the Rent and Invoice Cycle are separate processes.		
<i>Master Rent Cycle/To</i>	Start and End date for the current Rent Cycle for the Owner	User sets up start date and system defines the end date based on the Rent Cycle and the regular (daily) update of rent processing.	
<i>Level</i>	The standard charge level for rent	Stock / Pallet / Rotation	
<i>Free Days</i>	Numeric value to represent the number of days that Stock can remain in the warehouse Free of Charge for rent	User input	
<i>Rent in Despatch</i>	Note this and WHOLE/PART, which is set by the MODE, determines if charges are for full periods, and whether or not Credits are to be generated when stock despatched (and the level of the credit). Also utilises the FREE DAYS to determine the generation of credits for rent already charged.	Yes / No flag	
<i>Override VAT</i>	Whether to override the VAT code		
<i>Code</i>	The VAT code to use when overriding.		

Additional Information

Field Name	Description	Options	Generic Value
<i>Owner Cost Centre</i>	An owner cost centre can be entered if required	Free Text	
<i>Associated Pallet Charge</i>	Legacy	N/A	
<i>Days for payment</i>	The number of days allowed for payment - between Invoice Date and Due Date printed on the invoice	N/A	
<i>Back Account No</i>	Legacy	N/A	
<i>Invoice Ref</i>	Free text reference for printing on the invoice	Free Text	

Charge Level Details - for control of individual ?Charge Processing?

?Auto charges? (Charge codes with type of ?Auto?) will be generated automatically within the individual processes if the appropriate flag is set to Yes. All are Yes / No flags (unless otherwise stated). These flags simply allow the user to ?switch on/off? charge generation for specific processing as required.

Field Name	Description	Options	Generic Value
<i>Receipt Header Charges</i>	Receipt Header level		
<i>Receipt Details Charges</i>	Receipt detail level		
<i>Invent Charges</i>	Inventory Movements (inc. Freeze/Chill process)		
<i>Carrier to Charge Direct **</i>	Carrier charges (not UPM) - not used any more		
<i>Auto Display of Charges</i>	Owner level check for display of auto generated charge codes (pre confirmation within individual processes)		
<i>Order Header Charges</i>	Sales Order handling - Order header level		
<i>Order Well Charges</i>	Sales Orders - Product type level		
<i>Order Pallet Charges</i>	Sales Orders - Despatch pallet level		
<i>Order Pallet Exchange Charges</i>	Special Pallet exchange code processing. This checks if a specific charge is to be raised against the Stock Owner for the use of Pallets, due to the fact that neither the Stock Owner or their Customer has an account code for the Pallet Exchange system.		
<i>Invoice Generation Charges</i>	Invoice generation process		



Field Name	Description	Options	Generic Value
	Do we raise a charge each type we produce an Invoice for this owner?		

1.4.9 Owner Rules Setting (STS1000)

The following ?OWNER? level rules are used within the WMS UPM processing:

- INST - Invoice Sort sequence - ?P? or ?T?
- OWRL - Owner Reserved Locations

(Used with RUL/RPL Charge Codes - See Charge Codes maintenance below)

Owner Maintenance

Company: JP1 Department: 0000 14-SEP-2010 STS1000

Owner: XXXA 001 Standard Client (3pl)

Main General Sales Order Goods Rec'd SOP CH EDI EDI Inbou... EDI Out... Charging Def Bul... Format Owner Rul... Owner UOM

Rule	Description	Flag
EOND	EDI Orders - No Duplicates	N
EREQ	EDI required process	Y
EXHD	Extended Hold	Y
FPAL	Full Processing rule	Y
GRCR	Goods Receipt Reversal	6
INST	Invoice Sort (Owner invoicing)	P
MONR	Monitor Ref Display / Entry	Y
NPRC	Non Pallet Receipt Quantity	N
OBID	Owner Batch Id not required	Y
OLNC	Order Detail line Non cancellable	Y

Rule ?INST?:

?INST? fixed code with free text description (?Invoicing Sort Sequence?) and

Flag =

If set to ?P? then the Sort sequence will be Charge code within be Product Category, but if it is ?T?, then the Sort sequence will be within Charge Type, to ensure that manually entered / ancillary / miscellaneous charges are reported before any automatic charges.

Eg. If the rule exists and is set to ?P? then the sort sequence will be:

- Company
- Warehouse
- Owner/Sub Owner Group*
- Invoice Number



- Product Category (ie. Range/Class/Category)
- Charge Type (Manually raised / Auto raised)
- Charge Code

Example:

- Prod Cat 1
 - ◆ Manually raised charges
 - ◆ Auto raised charges
- Prod Cat 2
 - ◆ Manual?
 - ◆ Auto?
- Prod Cat 3?
- 4?
- etc

Manual charges no category recorded

Auto charges no category recorded

Invoice Level (INV) charges

I.e. If the rule exists and is set to ?T? then the sort sequence will be:

- Company
- Warehouse
- Owner/Sub Owner Group*
- Invoice Number
- Charge Type (Ancillary or Automatic)
- Charge Code

or

All ?manual? charges first,
Followed by ?automatic? charges,
Followed by any invoice level charges.

If the OWNER RULE is not set (no row on WAREHOUSE_RULES table), or set to ?N?, then the Charge Type should be ignored - ie. Sort by charge code within invoice.

Rule ?OWRL?:

?OWRL? fixed code with free text description (?Owner?s Reserved Locations?) and Flag = ?RUL? fixed value

This rule must be set if the Owner is to utilise reserved locations and pay rent for the use of these locations (or not).

This rule should be set to ?RUL? and a CHARGE CODE of ?RULxx? set up with a RATE code to identify the rate to be charged for the maximum number of location to be reserved.

This maximum number being stored as the breakpoint on the Rate details table.

A Charge code of ?RPL? is also expected to detail the rate to be charged for the number of these locations that have actually been used during the rent period. The system will then calculate the rent for both used and used locations automatically.

1.5 INVOICE PERIOD MAINTENANCE

1.5.1 Invoice Cycle (WHS7130)

This screen is used to define type and length of invoicing periods (used for both Rent and Invoice cycles individually).

Invoice Cycle	Period
S	Six Month 6 Months
T	Test 7 Days
D	Daily 1 Days
H	Half Monthly 1 Months
M	Monthly 1 Months
Q	Quarterly 3 Months
W	Weekly 1 Weeks
Y	Yearly 1 Years

Field Name	Description	Options	Generic Value
<i>INVOICE CYCLE</i>	Single character Unique Identifier	User input but following codes expected as a minimum:	?D? - Daily, ?W? - Weekly, ?M? - Monthly, ?H? - Half Monthly ?Y? - Yearly
<i>DESCRIPTION</i>	Free text description		
<i>PERIOD - Numeric</i>	Number of PERIOD TYPES in a CYCLE. The length of the period type described in the following column.	User input	The number of ?.. in a period, UNLESS, the value in this column is 14, 15, or 16 and the following column is Days. This is how the system identifies Half Monthly periods and the 14/15/16 relates to the date of the end of the first half-month.
<i>PERIOD - Type</i>	Description of the type	Drop down selection	Days / Weeks / Months / Years

1.6 Invoice Cycle Periods Maintenance (WHS7135)

This screen can be used to set up actual dates for future periods for each invoice cycle defined.

The system will actually calculate these on an as required basis if they are not predefined by the user.



Cycle Number	Date Range	From	To
1	01-JUL-2010	07-JUL-2010	
2	08-JUL-2010	14-JUL-2010	
3	15-JUL-2010	21-JUL-2010	
4	22-JUL-2010	28-JUL-2010	
5	29-JUL-2010	04-AUG-2010	
6	05-AUG-2010	11-AUG-2010	
7	12-AUG-2010	18-AUG-2010	
8	19-AUG-2010	25-AUG-2010	
9	26-AUG-2010	01-SEP-2010	
10	02-SEP-2010	08-SEP-2010	
11	09-SEP-2010	15-SEP-2010	
12	16-SEP-2010	22-SEP-2010	

Field Name	Description	Options
INVOICE CYCLE	Refers to the Single Character unique identifier described on INVOICE CYCLE Maintenance above	Must be valid cycle code
START DATE	the first day of the first cycle	
NUMBER OF CYCLES	The number of cycles recorded	
CYCLE NUMBER	The system generated, unique number to identify the period number for this cycle	
DATE FROM	The start date of each period records	
DATE TO	The end date of each period recorded	
Button		
GENERATE	Used to initiate the generation of the period numbers and Durations based on user inputs from the pop up described below.	

For any INVOICE CYCLE, the user should enter the START DATE (which must not overlap any existing periods) and CYCLE NUMBER (which must be unique number - 4 digits maximum) followed by either the NUMBER of CYCLES



required or the END DATE.

The program will generate as many periods as requested / possible, ensuring that PERIOD NUMBER is unique and START / END DATE(s) do not overlap. Each END DATE is calculated from the settings within the INVOICE_CYCLE maintenance screen above - i.e. Number of Days / Months etc or Half monthly.

1.7 CHARGE RATE MAINTENANCE

1.7.1 Charge Rate Table Maintenance (WHS9160)

RATES can be set to define the price to be applied to any Invoice transactions.

WMS Rate Table Maintenance (Pricing)

Owner: XXA Warehouse: XX1 14-SEP-2010 WHS9160 v4.4

Rate Id: D1 Despatch Rate - Case

Date From: 25-JUN-2010 Date To: 01-MAY-2011

Currency: GBP Pound Sterling

Min. Charge: Max. Charge:

Individual Rounding:

Department Code:

Index Group Id:

Table Type: Case

Breakpoint Type: Standard

Variable Rate Calculation

Breakpoint	Fixed Amount	Multiplier	Unit Qty	Rate
0.0000	50.00	Case	1.00	0.4000

Copy

Index Group

Field Name	Description	Options	Generic Value
<i>RATE ID + DESCRIPTION</i>	Unique identifier and descriptive text	User input	
<i>DATE FROM</i>	Date rate becomes effective	The EFFECTIVE DATES for the rate	
<i>DATE TO</i>	Date rate ends	The EFFECTIVE DATES for the rate	
<i>CURRENCY</i>	The currency to be charged	Any valid currency code	
<i>MIN CHARGE</i>	Allows for the setting of MINIMUM charge value for an INDIVIDUAL CHARGE	User input	
<i>MAX CHARGE</i>	Allows for the setting of MAXIMUM charge values for an INDIVIDUAL CHARGE	User input	
<i>INDIVIDUAL ROUNDING</i>	Instructs the processing to round all transactions to 2 decimal places or not	Yes / No	
<i>INDEX GROUP ID</i>	The index rate group that the charge belongs.	Display only to show rate can be uplifted by regular ? Indexation processing?. It is not possible to assign more than one Index Group /Index combination	
<i>TABLE TYPE</i>	Defined the QUANTITY TYPE that the BREAKPOINTS will be based on.	QUANTITY - no. of Units ,br/> CASE - no. of cases PALLET - no. of pallets WEIGHT - no of weight UoM CHARGE VALUE - currency value (for Invoice Level charges) Note that Area and other values not utilised at present	



Field Name	Description	Options	Generic Value
<i>BREAKPOINT TYPE</i>	Defines the TYPE of Breakpoints	<p>STANDARD -</p> <p>Allow for multiple breakpoint details to establish the highest detail found for the quantity to be charged for.</p> <p>MINIMUM - Only raise charge if quantity to be charged for is LOWER than the first (and only) breakpoint detail</p> <p>MAXIMUM - Only raise charge if quantity to be charged for is HIGHER than the first (and only) breakpoint detail</p> <p>PERCENTAGE - For use with CHARGE VALUE when defining the rate for Invoice Group . Level charges. Uses specific values in the first (and only) breakpoint details row found</p>	
<i>BREAKPOINT</i>	Defines the breakpoint to be used when generating charges	Only one allowed unless it is a STANDARD TYPE setting. All ID?s must have at least one detail to define either a fixed amount or a rate to be applied for a quantity	

Variable Rate Calculation information is also displayed:

Field Name	Description	Options	Generic Value
<i>FIXED AMOUNT</i>	The actual currency amount to be charged	User must enter either Fixed amount or the equivalent MULTIPLIER / QTY / RATE for variable amounts, UNLESS It is a percentage type breakpoint, in which case this will be the percentage value applied to the quantity / value to charge when using the variable rate data that will also be entered	
<i>MULTIPLIER</i>	Normally the same as the Table Type defined above, but may be different if required		
<i>UNIT QTY</i>	The unit quantity that the rate is applicable to		
<i>RATE</i>	The actual rate that will be applied to the calculation. I.e. CHARGE VALUE will be calculated as - ?QTY to be charged for? divided by ?UNIT QTY? multiplied by ?RATE?		

Buttons

COPY	Allows a new rate to be set up based on an existing rate.
INDEX GROUP	When pressed the process will check if the rate code has already been assigned to an index group. If this is the case, the user will be presented with a form to display the details of the index. See below

The Rate Table Copy screen WHS0162 will appear when selecting the **COPY** button on Screen WHS9160.



Field Name	Description
<i>SOURCE RATE</i>	Shows the details of the RATE_ID being copied from
<i>NEW RATE</i>	Requires input of NEW ID and DESCRIPTION TABLE TYPE and BREAKPOINT TYPE START DATE / END DATE CURRENCY - defaults to the same as the original

All inputs will be validated in the same way as the original inputs as described above

On selecting the COPY BUTTON on this screen the NEW RATE details are presented in the original RATE MAINTENANCE screen for amendment / update.

The Index Group Information screen WHS0339 will appear when selecting the **Index Group** button on Screen WHS9160. It will not be possible to view this screen from the menu system.



Note that the initial value of the Index displayed here will be the value of the index when it was assigned to the group and rate code in question. The initial rate values will display the approximate rate value for each Breakpoint, as they were when the index was assigned to the rate. These values are calculated by reducing the current rate values by the percentage change that has occurred in the index.

1.7.1.1 Rate Set Up Examples

Example 1

WMS Rate Table Maintenance (Pricing)

Owner: XXA Warehouse: XX1 22-SEP-2010 WMS9160 v4.4

Rate Id: D1 Despatch Rate - Case Department Code:

Date From: 25-JUN-2010 Date To: 01-MAY-2011 Index Group Id:

Currency: GBP Pound Sterling Table Type: Case

Min. Charge: Max. Charge: Breakpoint Type: Standard

Individual Rounding:

Variable Rate Calculation

Breakpoint	Fixed Amount	Multiplier	Unit Qty	Rate
0.0000	0.00	Case	1.00	0.4000

Copy
Index Group

Example 2

WMS Rate Table Maintenance (Pricing)

Owner: XXA Warehouse: XX1 22-SEP-2010 WMS9160 v4.4

Rate Id: DR Despatch Rate Department Code:

Date From: 24-JUN-2010 Date To: 25-DEC-2012 Index Group Id:

Currency: GBP Pound Sterling Table Type: Case

Min. Charge: 5.0000 Max. Charge: Breakpoint Type: Minimum

Individual Rounding:

Variable Rate Calculation

Breakpoint	Fixed Amount	Multiplier	Unit Qty	Rate
200.0000	5.00	Case	1.00	0.0000

Copy
Index Group

Example 3



WMS Rate Table Maintenance (Pricing)

Owner: XXA Warehouse: XX1 23-SEP-2010 WMS9160 v4.4

Rate Id: W-001 Weight Rate Department Code: Index Group Id: Table Type: Weight Breakpoint Type: Standard

Date From: 23-SEP-2010 Date To: 23-SEP-2011

Currency: GBP Pound Sterling

Min. Charge: Max. Charge: Individual Rounding:

Variable Rate Calculation

Breakpoint	Fixed Amount	Multiplier	Unit Qty	Rate
500.0000	0.00	Weight	1.00	0.2000
999.0000	0.00	Weight	1.00	0.1000
1,000.0000	0.00	Weight	1.00	0.1800
1,500.0000	0.00	Weight	1.00	0.1600
2,500.0000	0.00	Weight	1.00	0.1400
3,500.0000	0.00	Weight	1.00	0.1200

Copy Index Group

RATE DETAIL EXAMPLE

Charge 5.99 if the total Cases on an order is less than 100 Cases, otherwise no charge

Note that if the BREAKPOINT TYPE was MAX instead of MIN then the charge would be raised only if the quantity was greater than 100 Cases.

Also - Rather than the Fixed Amount of 5.99, the Variable Rate settings could be set to nn.nn per Case, or per 10 Cases, etc.

Also - Weight can be used as the Breakpoint instead of Case - simply change the ?type? from Case to Weight and the procedures will work on Kgs or Lbs.

1.8 CHARGE CODE MAINTENANCE (WHS0330)

CHARGE CODES will be defined to enable the production of charges.

Each can have an associated RATE ID for the calculation of the CHARGE VALUE, or can use an 'ad-hoc rate' when entered manually.

Each can be applicable to a particular BUSINESS TYPE, or for general use.

Each can be applicable to a 'specific level' within the Invoicing processes - namely COMPANY / WAREHOUSE / STOCKIST / STOCK or PRODUCT TYPE.

1.8.1 Charge Code Maintenance - Main Tab



Calidus (3PL) v810.020.13

Action Edit Query Block Record Field Window Help

Charge Codes Table Maintenance

Owner: ROB Warehouse: NFT 27-JUN-2025 WHS0330 v4.14

Charge Code: A1 Full Description: GRN CHARGE

Short Description: GRN CHARGE

Main Charge Groups

Rate Id: A0010 10p Rate Product Type: 1 Food

Business Type: REC GRN Use Latest Rate?: Yes

Warehouse: XX1 Standard Warehouse

Owner: DRM 001

Product: + +

Charge Type RCB: Revenue Charge Type: Handling

Min Charge: 0.00 Max Charge: 99,999.00

Calculation Option: Semi-Auto

Tax Code: 20 @ 20.00 % 2011+ standard vat

Delete Flag: No

Sensitive Flag: No

Level Indicator: Header

Type Code:

Type Value:

Account 1: 1 XX12

Account 2:

Record: 2/7 ... List of Valu... <OSC>

Field Name	Description	Options
CHARGE CODE	Unique identifier	User input
SHORT DESCRIPTION	Free text	User input
FULL DESCRIPTION	Free text	User input
RATE ID	If entered, must be a valid ID else it will default to '+' to enable use for entry of an 'ad-hoc rate	User input
BUSINESS TYPE	Enable charge generation within specific WMS processes - referred to as 'in Process charges'.	Can be left as '+' to enable use as an 'ad-hoc' code, otherwise it must relate to a valid code from the GENERAL CODES table for type BUSN records
WAREHOUSE, OWNER, PRODUCT, PRODUCT TYPE	These elements, and all of the above, form the unique identifier for the charge code table. See below for full description relating to the entry of these four elements.	User input - all codes must be valid for the type of entry - ie, Valid WAREHOUSE_ID, STOCKIST_CODE, STOCK_CODE, PRODUCT_TYPE
USE LATEST RATE	Flag used to enable the recalculation of any charges not yet invoiced if new rates / charges are introduced	User input from drop down box - Options are Yes / No / Blank. Must select Yes if previously generated charges are to be updated.
CHARGE TYPE RCB	Descriptive flag relating to whether the code is Cost / Revenue or Both	User input
CHARGE TYPE	Descriptive flag relating to the type of charge.	Allowable values are - Ancillary, Cyclical, Handling, Landing, Miscellaneous, Processing, Rent, Sales and Special Forces
MIN / MAX CHARGE		



Field Name	Description	Options
	The Minimum / Maximum charge value to be applied to the charge code on an invoice. Note that all charges on an invoice are 'subtotalled at charge code level' so this will allow for the application of a MIN/MAX charge for Invoice Level charges for a specific charge code.	
<i>DELETE FLAG</i>	System use only	
<i>SENSITIVE FLAG</i>	System use only	
<i>CALCULATION OPTION</i>	Defines how the system generates charges	AUTO SEMI-AUTO MANUAL
<i>LEVEL INDICATOR</i>	Define the level that the charge is to be applied to.	DETAIL - each detail on the process in question PALLET - each pallet on the detail in question
<i>TAX CODE</i>	The VAT code and related descriptions	User input
<i>TYPE CODE</i>	For use within the Special Order Handling processing	Type codes will be checked against specific codes on an Order, to define if the charge is applicable.
<i>TYPE VALUE</i>	Value for comparison with TYPE CODE	See below
<i>ACCOUNT CODE 1 and 2</i>	The 'SAP Account codes' for the Charge. Details are included for EDI interface to SAP Account system.	User input

The following elements are grouped, to enable the definition of the 'Level of charge' to be applicable.

- WAREHOUSE The Warehouse id
- OWNER The Stock Owner
- PRODUCT The Stock
- PRODUCT TYPE the Type of Stock (eg, Chilled, Frozen)

No values means that it is a Company Level charge, Warehouse only means it is Warehouse level, Warehouse and Owner means Owner Level for specific Warehouse Owner only means Owner level (applicable to all warehouses) Owner and Stock means it is a Product Level charge Owner and Product type means it is Product type charge for a specific Owner Product type only means Product type level across all owners / warehouses Product Type and Warehouse means Product type within warehouse

TYPE CODE should be set to the type of code to be checked against, e.g. Order Priority (Express Order), Request Type (Collection Order), Order Type (EDI or COD)

TYPE VALUE should be set to the actual value defined to identify the type specified (as defined by individual users) - e.g. Order Priority of '1' to identify 'top priority / express orders.

1.8.2 Charge Codes Maintenance - Charge Group Tab

There two possible uses for this tab -

1. BUSINESS TYPE = INV

Defines the CHARGE GROUP DETAILS, including any MIN/MAX values, for the production of Invoice Level Charges during Invoice Production processing. Note the INV type codes can only define ONE GROUP. It is this charge code that identifies the fact that a specific charge is to be raised and holds the relevant VAT and Account codes.

2. BUSINESS TYPE NOT = INV

Defines the CHARGE CODE as INCLUDED in the GROUP for all GROUP CODES listed. Note that non-INV codes can belong to multiple groups.



Field Name	Description	Options
<i>CHARGE GROUP</i>	The Unique identifier for the CHARGE GROUP that the CHARGE CODE is a member. If it is 'INV' type Charge code, then it can only be a single group, otherwise a code can be a member of many groups	User input
<i>DESCRIPTION</i>	Free text description	User input
<i>INVOICE MIN / MAX Value</i>	The min / max value applicable to the calculated charge value for the group.	Define the Min / Max value for 'Invoice Level' charges Use for Min Rent / Max Insurance etc?

1.8.3 CHARGE CODES USED FOR SPECIAL PROCESSING

Charge Codes with a Business Type of 'INV' (Invoice Process) Codes with-

Zero value for Max / Min value, and NO Charge Group

This is an 'In Process type' charge that will be raised within the Invoice Production process, e.g. a charge for actually raising an invoice. They will normally be set to use a RATE with a Fixed Amount charge.

Codes with-

Zero value for Max / Min value, and Includes Charge Group

This is an 'Invoice Level charge' that will be raised within the Invoice Production process based on the values generated for a GROUP of Charges, e.g. additional Charge for Energy / Insurance etc.

Charge will normally be based on the overall value of the charges within the group, or a percentage of the value / quantity.

Codes with-

Non-Zero Minimum charge value

This is charge that will be raised within the Invoice Production process if the total value of the charges for the same Charge Code (non-INV type) is less than the Minimum value stated, e.g. if Rent charges do not reach a minimum value then the INV charge will raise an additional charge for the difference



1.8.4 Business Type ORD Codes (Order Handling)

Field Name	Description	Options
'OHPEX'	Charge required as Pallet Exchange accounts missing	Charge for the number of pallets that are not covered by pallet exchange account codes, but only when both Consignor and Consignee do not have codes available. Charge will be raised against the Stock Owner (Consignor)
'ORDH'	Charge for handling the Order	Always a single unit charge to be raised simply for raising an order, regardless of quantity involved
'ORDL'	Charge for the Order Lines handled	Charge for number of order lines. AS above but based on the number of lines on the order
'ORDP'	Charge for pallets handled	Charge for the number of pallets. As above but based on the number of pallets on the order
'WAYB'	Charge for waybill prints	Charge to be raised for each Waybill raised. Will need to check for the production of additional waybill for Trunk orders, or consolidated orders onto a single waybill
'DHPT1'	Charge for Full Pallet picks	Charge to be raised for each Full pallet of stock picked
'DHPT2'	Charge for Part pallet picks from Pick locations	Charge for stock picked in case quantity (rather than pallet) from a Pick location
'DHPT3'	Charge for Part pallet picks from Non-Pick locations	Charge for stock picked in case quantity (rather than pallet) from a location other than a Pick location - eg. from bulk / block stack etc.

1.8.5 Business Type DES Codes (Despatch Process)

If Owner Level Charges found with the first three characters of the Charge Code = 'DHH', and Type Code is not blank/null, then a charge will be raised according to the following checks:

- If Order Code Type = 'P'
 - ◆ Then the ORDER PRIORITY must match the TYPE CODE
- If Order Code Type = 'R'
 - ◆ Then the REQUEST TYPE must match the TYPE CODE
- If Order Code Type = 'C'
 - ◆ Then the COD FLAG must match the TYPE CODE
- If Order Code Type = 'E'
 - ◆ Then the EDI CREATED must match the TYPE CODE
- If Order Code Type = 'O'
 - ◆ Then the ORDER TYPE must match the TYPE CODE

In all of the above cases the quantity value must always be 1 thus generating an additional charge depending on the type of order being despatched.

1.8.6 Special Rent Processing Charges

Special Charge processing is required within the Cyclical Rent charge generation processing to cater for the 'Reserved Pallet Location' processing.

Charge Codes with the first 3 characters of

'RPLxx' - will be used for Reserved Pallet Locations

'RULxx' - will be used for Reserved Unused Locations.

Controlled by the use of an Owner level Warehouse Rule, 'OWRL', the Rule Flag will be set to 'RUL' with the number of locations that the Owner has Reserved in total being stored in the breakpoint value of the Rate details record that holds the rate to be charged for unused locations.

The 'RPL' and 'RUL' Charge Code details will be set 'in pairs' to reflect the rate to be charged for the quantity of Used and Unused locations.

In Normal circumstances, each rent cycle / period will generate two charges for this processing - One Charge will be raised for the Total Pallets in the Warehouse for the 'RPL' Used value - and A second charge will be raised for the Total Reserved - minus - Total Used for the 'RUL' Unused value.



If the total pallet count is greater than the total reserved, then no charge will be raised for the Unused locations.

1.9 INDEXATION SET UP

1.9.1 Index Maintenance (WHS0332)

This screen allows the initial set up of a new index and its subsequent updating in line with published data.

Field Name	Description	Options
<i>INDEX ID</i>	Unique identifier for the index	User input
<i>DESCRIPTION</i>	free text description	User input
<i>START DATE</i>	Date on which the first values for the index were entered on the system	System date
<i>CURRENT VALUE</i>	The current published value of the index	User input
<i>LAST UPDATED</i>	Date on which the index was last updated	Display only
<i>UPDATED BY</i>	User id for the user who last updated the values	Display only
<i>FREQUENCY</i>	The frequency at which the index is expected to be updated. This will be a number of time periods	User input, select period from drop down
<i>EMAIL ADDRESS</i>	E-mail address to which a reminder to update and overdue index will be sent	User input
Buttons		
UPDATE RATES	Initiate the recalculation of rates due to a change in index value	
VIEW EVENT DETAILS	Shows the Event screen which is a log of all changes made to the indices	
UPDATE EMAIL ID	Allows the e-mail address to be changed	

1.9.2 Index Group Maintenance (WHS0337)

This screen enables the indices created above to be associated with groups of Rate Codes.



Index Group Detail

Owner: XXA Warehouse: XX1 23-SEP-2010 WHS0339 v1.3

Index Group Id: Index Id:

Initial Value: Start Date: Current Value: Last Update: Frequency: Status:

Initial Rate Values

Breakpoint	Fixed Amount Multiplier	Unit Qty	Rate

Field Name	Description	Options
<i>Index Group ID</i>	Unique ID of group and description	Free text input. Must be unique
<i>Stockist Code</i>	Stock Owner to whom this group applies	Must be valid Stockist
<i>Created By</i>	ID of user who created group	Display only
<i>Created Date</i>	Date group created	Display only
<i>Rate Code</i>	Rate Code ID	Unique id from Rates tables
<i>Cat.</i>	Category of Rate	From Rate Category table
<i>Index ID</i>	ID of associated index	Unique Id from Indices table
<i>Description</i>	Index description	Display text from Indices table
<i>Initial Value</i>	Initial value of index	From the Indices table
<i>Start Date</i>	Start date of index	From the Indices table
<i>Current Value</i>	Current value of index	From the indices table
<i>Last Updated</i>	Date index last updated	From the indices table
<i>Frequency</i>	Frequency of update	Valid number
<i>Status</i>	(Governed by Category status)	Active/Suspended
Buttons		
Update Rates	Initiate the recalculation of rates due to a change in index value	User selection
Event Log	Shows the Event screen which is a log of all changes made to the indices	User selection to display events screen

1.9.3 Rate Category Maintenance (WHS0335)

This screen allows the user to define Rate Categories. These categories will allow the user to quickly suspend/re-activate the updating of rates after an index update



Rate Category Maintenance

Owner: XXA Warehouse: XX1 23-SEP-2010 WHS0335 v1.2

Rate Cat.	Description	Active Flag

Activate All Suspend All

Field Name	Description	Options
<i>Rate Cat.</i>	Category Identifier	
<i>Description</i>	Category Description	
<i>Active Flag</i>	Indicates the status of the Category	Active/Suspended
Buttons		
Activate All	Will search for any suspended rates and re-activate them	
Suspend All	Will search for any active rates and suspend them	

