

EDI Setup and Processing

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1 EDI Setup and Processing

1.1 INTRODUCTION

This document describes the screens that are required to set up the control data for the EDI Processes in the warehouse. Other guides describe the set up of company, user, warehouse, owners etc.

This is a generic guide based on the version of the Calidus (3pl) system at the time of writing.

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

1.2 OVERVIEW

Set up requirements for the use of EDI processes are done in two main stages:

1- Set up of the required general EDI codes for the company level common values (Existing codes are pre-entered when the WMS installed)

General Codes (PFS0260 & PFS0261)
EDI Common (EDI0001)
EDI Last Numbers (INS7050)

2- Addition of the Common records at Owner or Client level and the Configuration of the XF Monitor which is the main EDI engine

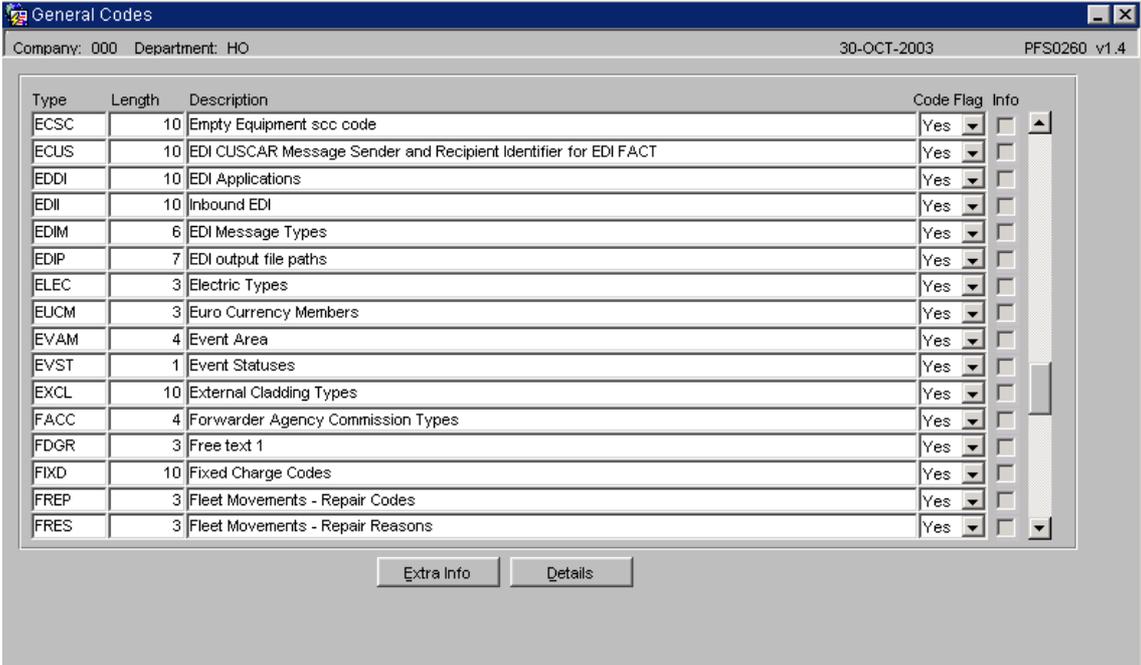
XF Command (XFM0012)
XF Resequencing (XFM0011)
XF Monitor (XFM0020)

1.3 GENERAL EDI CODES - HEADER LEVEL

For each message, you need to set up an EDI code under the heading of ?EDDI? in general codes maintenance. These dictate the type of message and what the EDI control number starts with.

NB - These codes should be have been created when the base system is installed.





Field Name	Description	Options	Generic Value
<i>Type</i> **	The code type you are entering details against	Entry at this level will not be required as these will already have been set up on a company level	EDDI
<i>Length</i> **	The number of characters the sub code has to be	1 - 9999	10
<i>Description</i> **	A brief description of the type of code	100 character free text field	EDI Applications
<i>Code Flag</i> **	Is this code to be used by the system	Y or N - default is Y	Y
<i>Info</i>	The ability to enter extra information against the code (not migrated)	Blank	Blank
Buttons			
Extra Info	The ability to enter additional information, e.g. which screens use this, the purpose of the code etc	Entry at this level will not be required as these will already have been set up on a company level	N/A
Details	Takes you into the detail screens for individual entry of each required code	See following	Defined by system setup

1.3.1 General Codes - Detail Level

For each EDI message required, the code value, description and short description need to be populated. The details to be populated will be described below dependant on the message type.



The screenshot shows a software window titled "General Codes - Details". At the top, it displays "Company: 888 Department: 001" on the left, and "2005-02-15 PFS0261 v1.4" on the right. The main area contains several input fields: "Code Type" is set to "EDDI"; "Code Value" is a text box with a yellow highlight and a note "Values may not exceed 10 characters."; "Description" and "Short Desc" are also text boxes with yellow highlights. Below these are "Next Value", "Prev Value", and "Code Interval" (all empty text boxes); "Code Rate", "Code Amount", and "Code Flag" (with a checkbox); and "Fixed Value" (empty text box). At the bottom left is a "Delete Flag" dropdown menu. A "Close" button is centered at the bottom of the window.

Field Name	Description	Options	Generic Value
<i>Code Type</i>	The code type the values entered refer to	No entry required as the code type will come through from the header screen	EDDI
<i>Code Value</i> **	The unique identifier for the EDI message required	Defined by the hard coding of each EDI message. The size is determined by the length of the code type entered in the header screen. List of required values below.	See below
<i>Description</i> **	Description of the EDI message being created	100 character free text field	Defined by the client
<i>Short Desc</i> **	Will determine the first 3 characters of the control number	Defined by the hard coding of each EDI message	See below

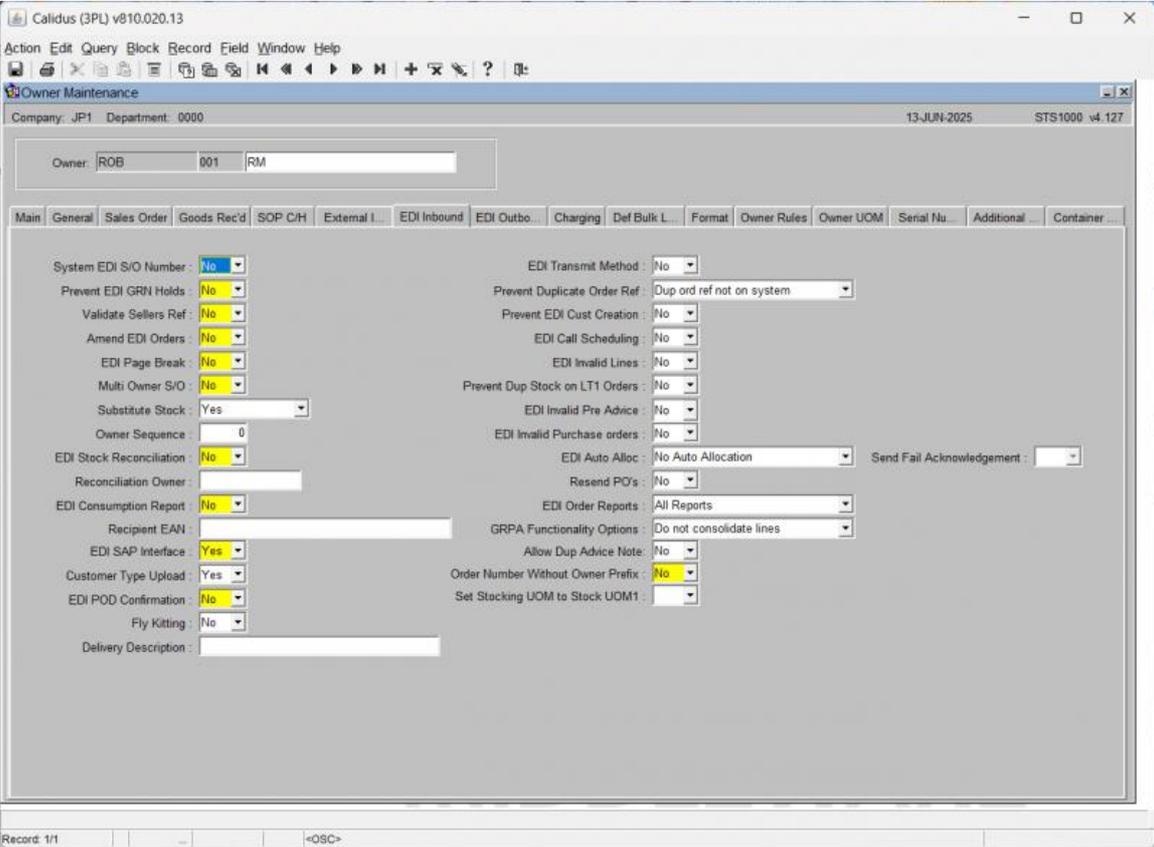
1.3.1.1 General Codes - Code Types

Code Value	Description	Short Description	Message Details
<i>OCI</i>	Outbound Commercial Invoice Upload	OCI	An inbound message that updates orders with customs data (cost, country of origin etc)(Client Specific)
<i>CII</i>	Inbound Commercial Invoice Upload	CII	An inbound message that updates receipts with customs data (cost, country of origin etc)(Client Specific)
<i>PACK</i>	Kewill Carrier Upload	PKI	An inbound message that updates orders with carrier, weight and tracking number information (Client Specific)
<i>SRI</i>	Stock Reconciliation Upload	SRI	An inbound message that compares a client's stockholding figures with the actual values held on the WMS (Client Specific) See below
<i>PAI</i>	Pre Advice Upload	PAI	An inbound message that uploads a receipt pre advice into the WMS
<i>GRN</i>	Pre Advice Upload	PAI	An inbound message that uploads a receipt pre advice into the WMS
<i>PMI</i>	Product Master Upload	PMI	An inbound message that creates stock codes on the WMS
<i>STID</i>	Product Master Upload	PMI	An inbound message that creates stock codes on the WMS
<i>SOI</i>	Sales Order Upload	SOI	An inbound message that uploads sales orders onto the WMS (Client Specific)
<i>SOP</i>	Sales Order Upload	SOI	An inbound message that uploads sales orders onto the WMS
<i>HOLD</i>	Hold Upload	Hold	An inbound message that will either hold or release stock quantities
<i>WLE</i>	Ware Location Upload	WLE	An inbound message that will create pallet records with associated stock details



1.4 OWNER MAINTENANCE - EDI Inbound & Outbound (Client Specific EDI Configuration)

The following section explains the generation of Sales Order Numbers when using the Sales Order message upload functionality



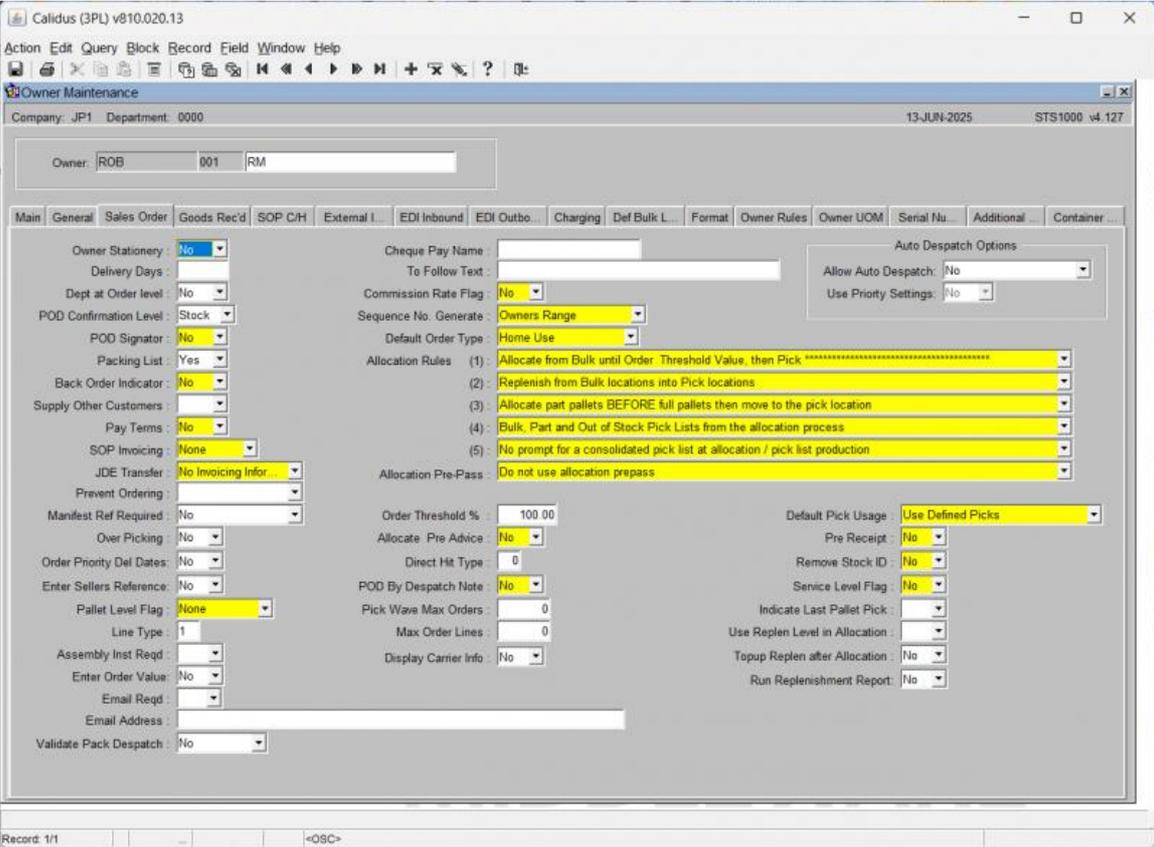
Prevent Duplicate Order Ref:

- ?Dup Ord Ref not on system?
The whole file will be rejected if the order exists
- ?Duplicate Order Ref Allowed?
The order will be uploaded - if a non-unique order is uploaded multiple times, errors will occur.
- ?Upload All Recs Excluding Dups?
All orders will be uploaded into the EDI transient table. However, the duplicate will be held with errors.

System EDI S/O Number:

- If Y - the system will generate a unique sequential reference to build the order number.
- If N - The system will use the ?order reference? received as part of the order to build the order number.

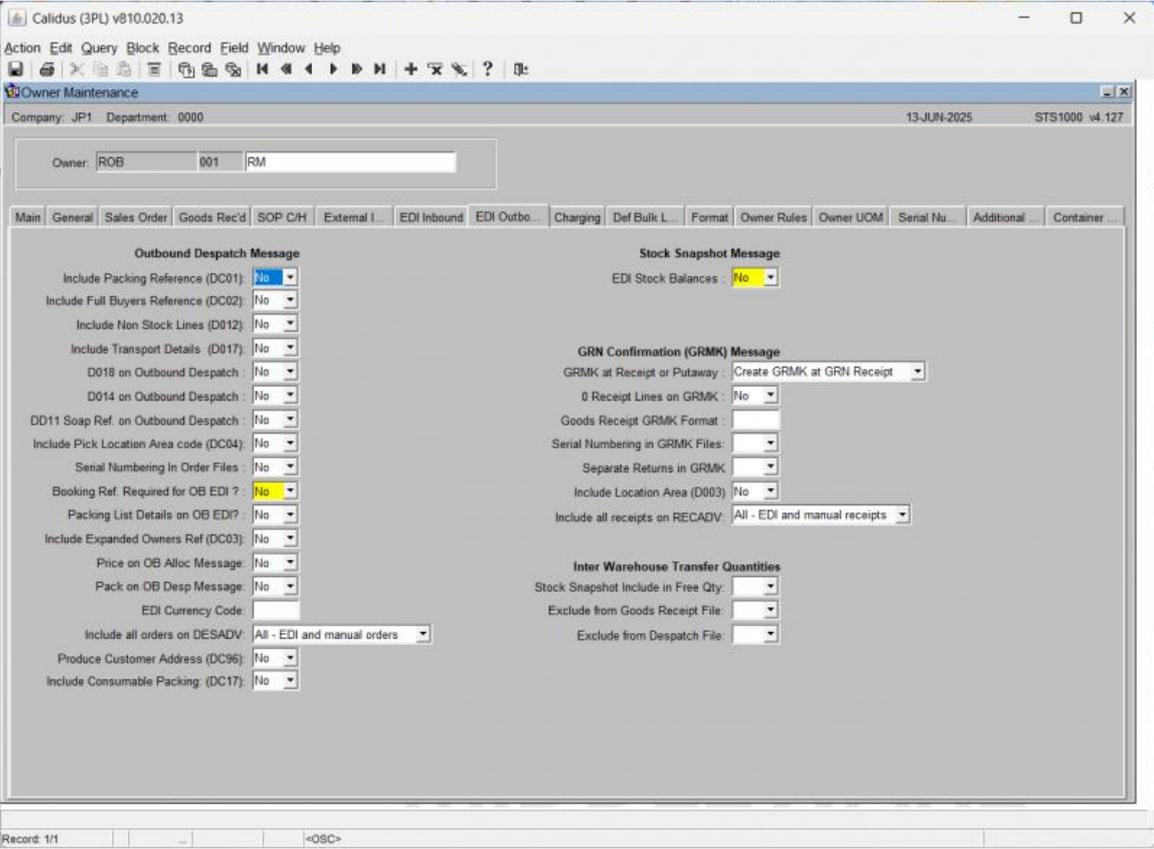




Sequence No. Generate:

The normal is ?Owner Range?





Order Number Without Owner Prefix:

This may be Yes or No

If EITHER ?Sequence No. Generate? or ?Order Number Without Owner Prefix? are set to ?Owner Range? or ?N? respectively, the order number will be 20 characters long. Else it will be either a simply sequential reference or the order reference supplied.

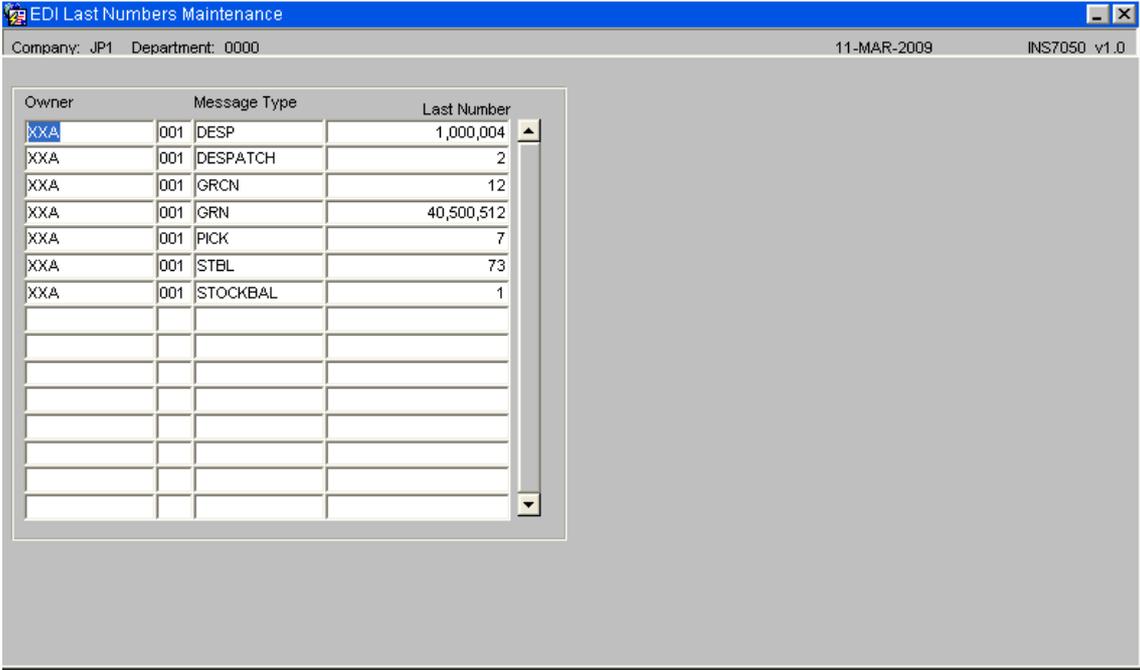
NB Two new values have been added to Owner System Parameters (WHS0012) EDI Setting of Sales Order Number and EDI Sales Order Number Prefix

Set EDI Setting of Sales Order Number to "Use Sellers order reference"

1.5 EDI LAST NUMBERS

EDI last numbers are used to increment each EDI control number by one. These are dictated by the entry in the EDI codes. These numbers are set automatically by the system, so there is no requirement for user configuration.





Field Name	Description	Options	Generic Value
<i>Owner</i> **	The owner code and sub code the message will be created for	Must have been created in owner maintenance or set to ?+? - will automatically create, so all will be set to the owner code of the message	?+?
<i>Message Type</i> **	Based on the values created in EDI common maintenance - a record needs to exist here for each message required	Must have been set up in EDI common maintenance	Defined by the client
<i>Last Number</i> **	The starting number for each EDI message	0 - 99999 - will start at 0 for each new message	0

1.6 EDI COMMON MAINTENANCE

EDI common is used to dictate for what company/warehouse/owner the EDI flows are for.



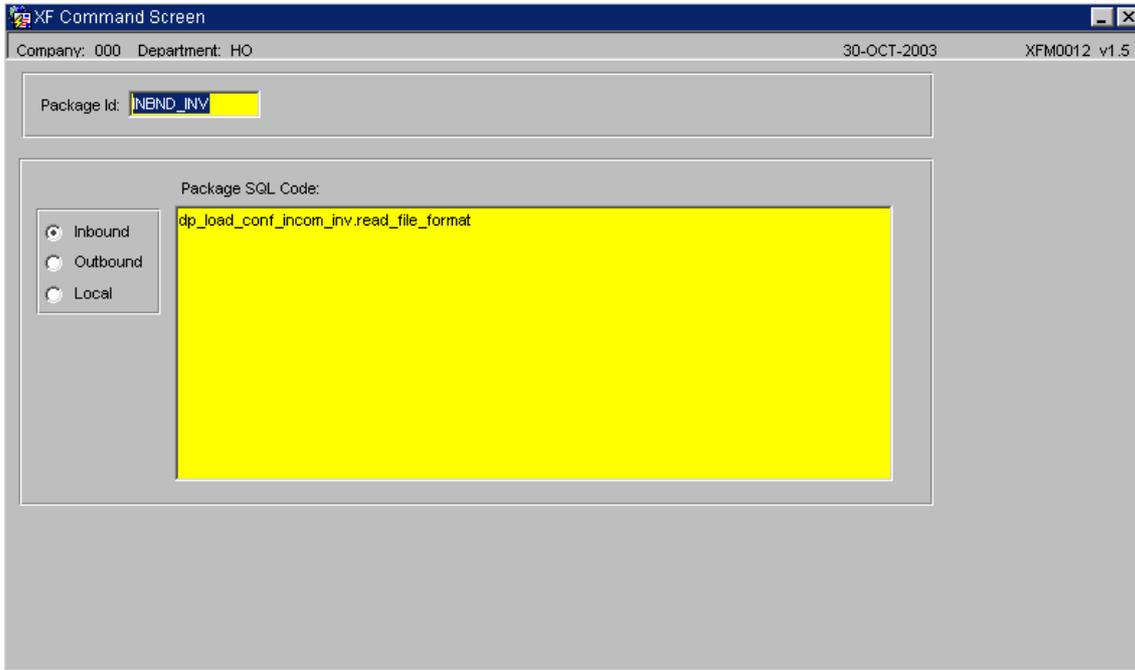
Field Name	Description	Options	Generic Value
<i>Company Code</i> **	Company code the user is setting up the EDI for	Must have been created in company maintenance	Defined by the client
<i>Warehouse ID</i> **	The warehouse code the user is setting up the EDI for	Must have been created in warehouse maintenance	Defined by the client
<i>Message Type</i> **	The message type of the EDI flow you are setting up	Defined by the hard coding of each EDI message - available message types listed below	See below
<i>Key 1</i> **	If the database is to have multiple owners under one warehouse/company combination the owner code for each message will need to be set up here	Owner code of the owner otherwise ?+? if only one owner per warehouse using EDI. Advisable to always define the owner code.	Defined by the client
<i>Key 2</i> **	If the database is to have multiple owners under one warehouse/company combination the owner sub code for each message will need to be set up here	Owner sub code otherwise ?+? if only one owner per warehouse using EDI.	Defined by the client
<i>Company Code</i> **	Company code the user is setting up the EDI for	Must have been created in company maintenance	Defined by the client
<i>Warehouse Id</i> **	The warehouse code the user is setting up the EDI for	Must have been created in warehouse maintenance	Defined by the client
<i>Department</i> **	The department code set up against the company	Must have been created in departments maintenance	Defined by the client
<i>Ledger Code</i> **	Determines which area of the system the message relates to	PL1 or SL1	See below
<i>Branch Code</i> **	The branch code set up against the company (not required)	Must have been set up in branch code maintenance or set to '+'	+
<i>Owner Code</i> **	The owner code and sub code the message is being set up for	Must have been created in owner maintenance	Defined by the client
<i>Stockist Code</i> ** (same as owner code)	The owner code and sub code the message is being set up for	Must have been created in owner maintenance	Defined by the client
<i>Base Currency</i> **	The default currency code being used by the owner	Must have been created in currency maintenance	Defined by the client



1.7 EDI XF COMMAND

This screen is used to dictate which package is called for each flow. The package id field is user definable, but the ?Package SQL Code? is predetermined by the package format.

Once you have entered the package id and the package SQL code, you must then specify whether it is an inbound or outbound flow.



Field Name	Description	Options	Generic Value
Package Id **	The unique identifier for this message type - note, you will need to remember this for further setup	10 character free text field	Defined by the client
Inbound/Outbound/Local **	Specifies whether the message is an inbound or an outbound flow (note, ?local? is not used for current WMS implementations)	Check box	Defined by the message type
Package SQL Code **	The programming instruction to determine which package the EDI will call	Defined by the hard coding of the program	Defined by the message type

1.8 EDI Listings and Setup Matrix

1.8.1 Hard-coded EDI outbound messages

Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	
Acknowledgement of Hold Release Message	N/a	ACK	User Definable	dp_edigen_out_ack.write_flat_file	-
Despatch message (Client Specific)	N/a	DESP	Not required?	dp_edi_out_desp_conf.write_flat_file	Not to future impler (Includ compl
Generic Receipt Message	N/a	RCPT_CONF1	GEN_RCPT	dp_edigen_out_receipt_confirm.process_out_recp_confirm	-
Returns and Collections	N/a	N/a	RETCOLL	dp_edigen_retcoll.write_file	-
		N/a		dp_edigen_out_ack.write_alloc_ack_file	-



Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	
Acknowledgement of Allocation	Yes user definable		Must be same name as used in EDI Common		
Allocation Message	N/a	DESP1	GEN_ALLOC	dp_edigen_out_pdp_conf.write_flat_file	-
Cancellation message	N/a	DESP1	GEN_CANC	dp_edigen_out_pdp_conf.write_flat_file	-
Order Details	N/a	DESP1	GEN_ORD	dp_edigen_out_pdp_conf.write_flat_file	-
Generic Pick Message	N/a	DESP1	GEN_PICK	dp_edigen_out_pdp_conf.write_flat_file	-
Generic Hold Message	N/a	DESP1	GEN_HOLD	dp_edigen_out_pdp_conf.write_flat_file	Order being hold
Generic Pack Message	N/a	DESP1	GEN_PACK	dp_edigen_out_pdp_conf.write_flat_file	Fully P Order
Generic Despatch	N/a	DESP1	GEN_DESP	dp_edigen_out_pdp_conf.write_flat_file	-
Missing Universal Product Code (Barcode information, client specific)	N/a	N/a	MISSING_UPC	dp_edigen_out_missing_upcs.write_flat_file	-
Outbound Purchase Ordering	N/a	N/a	POP	dp_edigen_out_pop.write_flat_file	-
RDT Stock drip feed of updates	N/a	N/a	RDTSTK	dp_rdt_stock_drip_feed.xf_monitor_send_message	-

1.8.2 Stock Snapshot Formats

Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
Generic Stock Snapshot	SALES_BAL	SALES_GEN SALES_BAL	User Definable	dp_edigen_out_st_bal.generate_data DP_EDIGEN_OUT_ST_BAL.write_flat_file	Requires two packages to be run in the sequence listed.
Stock Snapshot by Rotation	SALES_BAL	STROT_BAL	User Definable	dp_edigen_out_strot_bal.write_file	Requires only one package
Stock Snapshot at Detail Level	SALES_BAL	STKDTL_GEN STKDTL_WRT	User Definable	dp_edigen_out_st_bal.write_flat_file_dtl dp_edigen_out_st_bal.write_flat_file_dtl	Requires two packages to be run in the sequence listed.
Client Specific	SALES_BAL	STOCK_GEN STOCK_BAL	User Definable	dp_edigen_out_st_bal.generate_data dp_edigen_out_st_bal.write_flat_file	Requires two packages to be run in the sequence listed.
Client Specific, Serials	SERIAL	STOCK_GEN STOCK_BAL	STOCK_BAL_NOV	dp_edigen_out_st_bal.generate_data dp_edigen_out_st_bal.write_flat_file	Requires two packages to be run in the sequence listed. Include the value 'NOV'



Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
					in the format code field in XF Monitor

1.8.3 Hard-coded EDI Inbound messages

Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
Booking /Reference Number Update (Client Specific)	BOOK	N/a	BOOK	dp_edigen_book_upd_load.read_file_format	-
Hold/Release Process	HOLD_LOAD	N/a	HOLD_LOAD	dp_edigen_hold_load.read_file_format	-
Pre-Advice or ASN	GEN_GRN	PRE_ADV	GEN_GRN	dp_edigen_pre_advice_load.read_file_format	-
Product Master Upload (Generic)	PRODUCT	PROD_LOAD	User definable	dp_edigen_product_master_load.read_file_format	-
Sales Order Upload	GEN_SOP	SOP1	SALES_ORDER	dp_edigen_sales_order_load.read_sales_order_file	VALUE must be GEN_SOP for standard order file uploads but for XML the system requires another value of SOP to be maintained in the EDI Common.-
Sales Kit Upload	User definable, though must be the same name as the Process command in XF Monitor	N/a	User definable, though must be the same name as in EDI Common	dp_edigen_stk_kit_load.read_file_format	-

1.8.4 Configurable EDI Outbound messages

Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
Adjustment Flow	N/a	N/a	Same name as configurable process	dp_conf_edi_out.produce_dyn_edi_files	-
Serial Adjustment Flow	SERIAL	N/a	Same name as configurable process	dp_conf_edi_out.produce_dyn_edi_files	Same setup as above but include the EDI common name to produce serial numbering records.



1.8.5 Configurable EDI Inbound Messages

Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
SW Average Cost Upload	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_edigen_sw_upd_load.read_file_format	-
Supplier Upload	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.read_edi_supp_file_format	-
Customer Upload	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.read_edi_cust_file_format	Option to either upload or amend existing customer records
Inbound Hold/Release Process	HOLD_LOAD	N/a	HOLD_LOAD	dp_edigen_hold_load.read_file_format	-
Configurable Serial and Translation Number Upload	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.med_seq_xfm	-
Stocks Base Selling Price	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.stk_base_sell_xfm	-
Stock Region and Sales territory (Client Specific)	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.stock_region_xfm	-
		N/a		dp_conf_edi_in.stk_uom_xfm	-



Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
Stock, UOM and Barcode information	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor		User definable, though must be the same name as the Configuration process and the EDI Common record		
Stock Warehouse	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.stock_warehouse_xfm	Putaway anchor points and replenishment levels
Updating of existing stock records	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.stock_update_xfm	-
Pallet upload (WLE)	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.read_edi_wle	-
Pallet upload of held stock	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.wle_held_stock_xfm	-
Stock Master Upload	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.read_edi_prod_mast_format	-
Configurable stock warehouse	User definable, though must be the same name as the Configuration process and the Process	N/a	User definable, though must be the same name as the Configuration process and the EDI	dp_conf_edi_in.stock_locations_xfm	Putaway anchor points and replenishment levels



Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
	command in XF Monitor		Common record		

1.8.6 Carrier EDI Messages

Description	Direction	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
Carrier Interface - Allocation	Out	N/a	N/a	CICA	dp_cim_outbound.write_cioc_cica_file	-
Carrier Interface - Order Confirmation	Out	N/a	N/a	CIOC	dp_cim_outbound.write_cioc_cica_file	-
Carrier interface - Package details	Out	N/a	N/a	CIPD	dp_cim_outbound.write_cipd_file	-
Manual cancelled orders	Out	N/a	N/a	CANC	dp_cim_outbound.write_canc_file	-
POD Confirmation (Ireland Specific)	Out	N/a	N/a	PODC	dp_cim_outbound.write_podc_file	-
Carrier interface - Tracking Details	In	CITD	N/a	CITD	dp_cim_inbound.read_file_format	-
Carrier Interface - Packing Information	In	CICD	N/a	CICD	dp_cim_inbound.read_cicd_file_format	-

1.8.7 Miscellaneous EDI Messages

Description	Direction	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
DHL Labels EDI Generation	Out	DHEG	N/a	DHEG	dp_edigen_out_pack_label.write_dheg_file	-
DHL Label Tracking Reference	In	DHEG_UPL	N/a	DHEG_UPL	dp_edigen_dheg_upd_load.read_file_format	Will capture a tracking reference number and automatically create pack header records

1.8.8 Local Processes

Description	Direction	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
Script to automatically allocate all orders in the well	Local	ALLOC	N/a	ALLOC	dp_edigen_alloc.xf_monitor_allocate	-
If the order is held in Metapack as status ?Manifested?, ?Tracking? or ?Complete?, then the EDI process will initiate the WMS despatch	Local	META_DESP	N/a	META_DESP	dp_edigen_out_metapack.despatch_check	Client specific see MetaPack for setup details



Description	Direction	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
process, down-dating the stock and updating the order as despatched.						

1.8.9 FTP Processes

Description	Direction	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
In bound FTP process	In	N/a	FTP_INBND	User Definable	dp_process_control_xfm.ftp_inbound	-
Out bound FTP process	Out	N/a	FTP_OUTB	User Definable	dp_process_control_xfm.ftp_outbound	-

NB

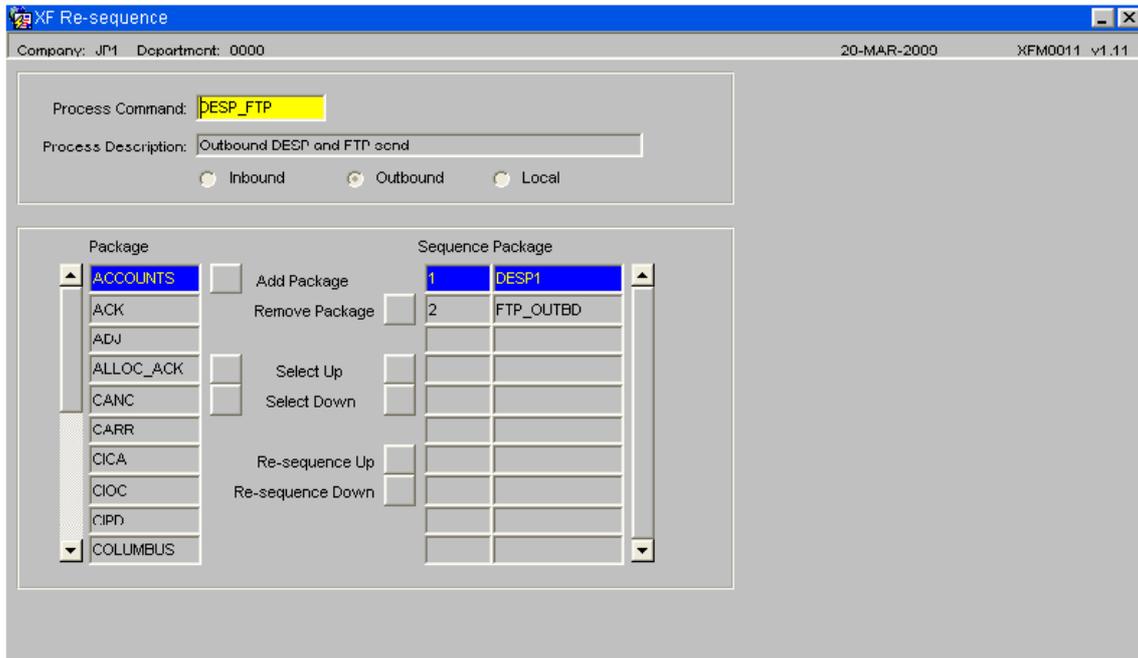
EDI Common Name * As a general rule an EDI Common Name is required for all inbound messages but is not a requirement for outbound messages, though there are a couple of exceptions as noted above, i.e. Outbound Serial numbering functionality

XF Command Screen (XFM0012)** These are all user definable, but depending on the system install there may be existing records, as noted above.

Process Code (XFMonitor XFM0020)*** As a rule outbound proceses require a specifed Process Code, the required values are listed above.

1.9 XF RESEQUENCE

The XF Re-sequence screen is used if you wish to call multiple packages under one package id. You then specify which package, and in what priority. For example to automatically ftp despatch messages on to a remote server you would set sequence one to run the DESP package and then sequence two would run the outbound ftp package.



Field Name	Description	Options	Generic Value
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Field Name	Description	Options	Generic Value
<i>Process Command</i> **	Based on the package id set up in the previous screen - this will ensure the process calls the correct package	Must have been set up in xf process command	Defined by the client only for Outbound messages, see table below for inbound message naming formats
<i>Process Description</i> **	A brief description of what EDI message the process code relates to	50 character free text field	Defined by the client
<i>Inbound/Outbound/Local</i> **	Specifies whether the message is an inbound or an outbound flow (note, ?local? is not used for current WMS implementations)		Defined by the message type
Buttons	Description		
Add Package	Adds the selected package to the sequencing pool		
Remove package	Removes the selected package from the sequencing pool		
Select Up	Moves the packages up so the one you require is selected		
Select Down	Moves the packages down so the one you require is selected		
Re-sequence Up	If more than one selected package in the pool, re-sequences the priorities of the flows (upwards)		
Re-sequence Down	If more than one selected package in the pool, re-sequences the priorities of the flows (down)		

1.10 XF MONITOR

For each EDI flow, you need to set up core information such as which package to run and at what time and frequency. There is also the requirement to enter directory and reporting parameters. These are configured in the XF monitor screen. There are multiple tabs to set up dependent on requirements.

1.10.1 XF Monitor - Setup tab

Field Name	Description	Options	Generic Value
<i>Process Code</i> **	Uses the process code as specified in xf command/resequence and adds the company, owner	Must have been set up in xf command and xf	Defined by the client, but



Field Name	Description	Options	Generic Value
	and warehouse	resequence	dependent on message flow may require a defined code. See table below.
<i>Process Description</i> **	A description of the process code	60 character free text field	Defined by the client
<i>Process Id</i>	If using EDI running processes, gives the message a unique system generated process id	No entry required - generated by the system	N/A
<i>Transfer Method</i> **	How the EDI will be transmitted	EDI or Non-EDI	EDI
<i>Transfer Type</i> **	Specifies in what format the files will be generated	EDI Transfer / FTP Transfer / Unix Transfer or N/A	EDI or FTP dependent on whether the file will be picked up from a remote server or sent to a remote server.
<i>Send/Receive</i> **	Specifies whether the file is to be received or sent (inbound or outbound)	Send or Receive	Determined by the message
<i>Process Type</i> **	This is where you specify how you want the flow to run and when. If you set the process type to interval - you will need to put in an interval time in the Interval (mins) field - in the example above, this will run every 15 minutes. If you set this to Time (24hr) - you will then be asked for which days and what time. This will cause the flow to run, say every day at 21:00	Interval / Time (24hr)	Defined by the client
<i>Interval (mins)/Frequency</i>	If set to Interval, the number of minutes before the process should start again. If set to Time, you will see a box for a time and every day of the week which can be checked to enable the run at a specific time for specific days	0 - 999999	Defined by the client
<i>Process Command</i> **	The package id as entered in the process code at header level	Must have been set up in xf command and xf resequence	Defined by the client
<i>File Retention Days</i>	If archiving, the number of days files that will be kept	N/A	N/A
<i>UOM Flag (F/S 231470)</i>	Used to allow the WMS system to work in a different UOM than the clients system.	N - No conversion required C - Convert units to cases U - Convert cases to units R - Convert units to cases round up N - No conversion required Defined by Client	
<i>EDI File Separator</i>	Specifies what delimiters the EDI files will be using, used for configurable messages.	? etc	Defined by the client
<i>Reports Flag</i>	Specifies whether you wish upload and exception reports to be produced	Yes / No	Defined by the client
<i>Process State</i>	Shows whether the EDI message is running on a process or not	Display only - Stopped, Running or Broken	N/A
<i>Start Date</i>	If you click the ?Start Process? button - this will display the date the process was started	Display only	N/A
<i>Started By</i>	The user id of the person who has started the process running	Display only	N/A
<i>Next Run</i>	Calculates the date/time the next process will run based on the last run plus the interval	Display only	N/A
<i>Inbound File</i>	The format of the incoming file	CSV / Fixed Length /	Defined by the client



Field Name	Description	Options	Generic Value
<i>Formats</i>		Syspro / Attribute based XML	
<i>Element based XML</i>	Defined by the client	N/a	N/a
<i>Format code</i>	Defined by the client	N/a	N/a
Buttons	Description		
Force Run	Enables a 'one off' EDI poll		
Start Process	Begins the polling process that will trigger the message to be uploaded/sent at the relevant time.		
Stop Process	Stops the frequency/interval from running		

NB: Generic EDI flows must have a Process Code (Within XFMonitor, XFM0020) that start with the following string of characters.

Process Command Must Begin With -	Flow
SOP	Sales Order
PRE_ADV	GRN Upload
PROD_LOAD	Stock Upload
GEN_ALLOC	Outbound Sales Order Allocation Message
GEN_CANC	Outbound Order Cancellation Message
GEN_PICK	Outbound Pick Message
GEN_DESP	Outbound Despatch Message
GEN_RCPT	Outbound General Receipt
SADJ	Outbound Serial Number Adjustment
HOLD_LOAD	Inbound Holds
ORDMGT	Order Management

NB: The process command can be any length within the screen limitation, but for i.e. sales orders the process command must be like 'SOP', 'SOP1' etc

'SOP' will not be seen as a sales order upload.

1.10.2 XF Monitor Parameters Tab

The parameter tab controls the storage and the naming convention of the produced files. If the transfer type is set to FTP within the setup tab then the ftp control fields will be displayed.



Company: JP1 Department: 0000 28-SEP-2009 XFM0020 NEW

Process Code : JP1XX1XXA_GEN_DESP_FTP
 Process Description : Outbound Desp Message and FTP
 Process ID :

Setup Parameters Tracking Emails Reports

File Directory : /user/staff/lbw/testfiles
 File Pattern Template Id
 File Pattern : XXADESP_
 Archive Directory : /user/staff/lbw/archive

Ftp Address : 10.45.0.30
 Ftp Username : pfdlbw
 Ftp Password : *****
 Ftp Final Directory : /home/pfdlbw/archive
 Ftp Put Directory :

Log Directory : /user/staff/lbw/log
 Log File Name : XXADSPFTP_
 Report Directory :

Field Name	Description	Options	Generic Value
<i>File Directory</i> **	This is the directory the WMS will search for the message file	This must be a valid directory set up on the Unix box	Defined by the client
<i>File Pattern or Template id</i>	File pattern is used for standard EDI messages. For an increased configurable file name then select Template id. Allows for the inclusion of user definable Date/Time stamps etc within the file name format.	File Pattern or Template id	Reference XFM0030 File name construction if template id selected
<i>File Pattern</i> **	The EDI package will upload any file starting with these characters, i.e. as above, anything starting with XXADESP_	The file pattern will be determined by the system architects who are creating the EDI files	Defined by the client
<i>Archive Directory</i> **	The directory that all processed files will move to	This must be a valid directory set up on the Unix box	Defined by the client
FTP Parameters			
<i>FTP Address</i> **	The I.P. address of the target server	Must be a valid I.P. address that is accessible by the WMS server.	Defined by the client
<i>FTP Username</i> **	User or account name set up on the target server	Must be a valid user id set up on the target server.	Defined by the client
<i>FTP Password</i> **	Password for user or account on target server	Valid password for the username account.	Defined by the client
<i>FTP Final Directory</i> **	Directory where files are to be sent	Valid and accessible account (i.e. permissions must be set to allow files to be copied)	Defined by the client
<i>FTP Put Directory</i>	Temporary work directory on the target server	If required it must be valid and accessible.	Defined by the client
<i>Log File Settings Directory</i> **	Which directory all processed log files will be sent to	This must be a valid directory set up on the server	Defined by the client



Field Name	Description	Options	Generic Value
Log File Settings Filename **	The name of the log file to be produced	Can be any file name the user sets up	Defined by the client
Report Directory	Directory name and path where system produced reports will be stored	This must be a valid directory set up on the server	Defined by the client

1.10.3 XF Monitor - Tracking Tab

An enquiry screen that shows the status of all files that have been processed via the XF Monitor. It also has the function to enquire on files which have failed to upload with the option to resolve errors via the relevant validation screen.

Field Name	Description	Options	Generic Value
Date Run	Date and Time stamp of when the process ran	Display Only	N/A
Process ID	Unique Process identifier assigned when the EDI Process is started or ran using Force Run option.	Display Only	N/A
Login Id	User id of the person who ran the process	Display Only	N/A
I/O	Inbound or Outbound Indicator	Display Only	N/A
Process Detail	Indicates whether the FTP process was called	Display Only	N/A
Run Time m/s	The process run time in milliseconds	Display Only	N/A
Files Processing	The number of files processed in that particular process run.	Display Only	NA
Transient Table Successful / Failed (Inbound Only)	Indicates whether the file was successfully loaded onto the working tables ready for upload into the WMS.(Process checks the physical characteristics of the file. I.E. record length.	Display Only	N/A
WMS Successful / Failed	Indicates whether the file was successfully loaded into the WMS. (Process checks mandatory data that is validated within the WMS, such as Owner code or Product code).	Display Only	N/A



Field Name	Description	Options	Generic Value
Buttons			
Control Numbers	Unique number for each file that is uploaded on to the Transient Table	Display Only - Only if the file has failed to upload onto the WMS will a control number be displayed	N/A
Filter Data - Show Errors Only / Show all Records / Exclude empty records	All records are displayed in the Tracking Form, the Show Errors button allows for files to be filtered down	Drop down box to make required selection	N/A
Date From	Gives the option to enter a past date for the search and retrieval of data up to the present date (system default is 7 days)	N/a	N/a
Refresh	To initiate the search	N/a	N/a
Errors	Button that will only be displayed if a process is highlighted which is at error. The button will call the relevant validation screen and record for resolution.	N/a	N/a

1.10.4 XF Monitor - Emails Tab

Email maintenance screen, where you set up the email addresses of any users requiring reports and audit files to be emailed to them.

NB: For the successful production and emailing of reports the database and O/S on the server require the emailing function to be enabled.

Ensure the Reports tick box is enabled on the front tab and the report directories have been created and specified in the Parameters Tab.

Reports are only generated for Inbound Messages.

Field Name	Description	Options	
------------	-------------	---------	--



			Generic Value
<i>User Id</i>	User id of the person who ran the process as held on the WMS	Must have been set up in user maintenance	Defined by the client
<i>Full Names</i>	Full Name of the recipient of the reports	Full name for information purposes	Defined by the client
<i>Email Address</i>	Email address where the reports are to be sent	Valid email address	Defined by the client
<i>EDI Reports</i>	Required report to be sent via Email	Report Options Include - No EDI Rpts Audit Statistics Rpt Only Critical Errors Rpt Only Data Errors Rpt Only Audit and Critical Errors Rpt Audit and Data Errors Rpt Critical and Data Errors Rpt All Three Rpts Defined by the client	

In Addition to the above configuration the system requires additional parameters to be set at server level.

Within **System Registry / Global / GeneralSettings** the following values must be entered with the relevant data values.

- AppServerConnectionString = sce/password@database name
- AppServerFloc = /u02/oraapp/xxx/xxxdev/forms
- AppServerPort = 7777
- AppServerHost = 10.43.0.70 or 127.0.0.1
- AppServerReportServer = repxxxdev
- DefaultDirectory = /tmp

1.10.5 XF Monitor - Reports Tab

Report parameter maintenance screen to specify what kind of reports are to be produced by the system if required and where they are to be sent to.

NB Reports are only generated for inbound messages.



The screenshot shows the XFMonitor application window. At the top, it displays 'Company: JP1 Department: 0000' and the date '29-SEP-2009'. The main area is titled 'Process Code: JP1XX1XXA_GEN_DESP_FTP' and 'Process Description: Outbound Desp Message and FTP'. Below this are tabs for 'Setup', 'Parameters', 'Tracking', 'Emails', and 'Reports'. The 'Process Audit Report Settings' section includes a 'Transfer Type' dropdown set to 'FTP Transfer', and fields for 'Ftp Address: 10.45.0.30', 'Ftp Username: pfdllbw', 'Password: *****', and 'Ftp Directory: /home/pfdllbw/archive'. The 'Process Error Report Settings' section has identical fields.

Field Name	Description	Options	Generic Value
Process Audit Report Settings			
Transfer Type	Option to specify how and where the reports are to be sent. Depending on the option selected additional information will be prompted for.	FTP N/A Printer Unix File	Defined by the client
Process Error Report Settings			
Transfer Type	Option to specify how and where the reports are to be sent. Depending on the option selected additional information will be prompted for.	FTP N/A Printer Unix File	Defined by the client

1.11 VALIDATION SCREENS

For each inbound EDI flow, there is a validation screen. Errors are sequenced by a control number and are displayed in the validation screens where it is possible to rectify the data. Each of the validation screens will differ slightly dependent on the key fields for the message type being accessed.

Validation screens exist for the following processes: -

- GRN Pre- Advice
- Sales Order
- Product Master
- Inbound Holds
- Stock Reconciliation
- Order Management (Client Specific)
- Average Cost
- Stock Kit Validation
- Medical Sequence Validation (Client Specific)



Calidus (3PL) v7.70 DEV

Action Edit Query Block Record Field Window Help

Generic Inbound EDI Pre Advice

Company: JP1 Department: 0000 25-JUN-2009 PFS1510 GEN v4.14

Control Num: 000001541 Trading Partner: XXXA Message Code: GEN_GRN Created Date/Time: 18-FEB-2009

Warehouse: XX1 Standard Warehouse Owner: XXXA C01 Standard Client (3pl)

Advice Note: 3577T Delivery Date: 16-MAY-2009

Main GR Details Supplier Line Details Pallet Details

Receipt Type: N

Order Number: _____ Idoc Number: _____

Filer: _____ Mawb: _____ Creation Date: _____

Container No: FTMUJ2134530 Hawb: _____ Creation Time: _____

Text: _____ Material Type: _____ Creation Timezone: _____

_____ Ihub Indicator: _____ Client File Ref: _____

_____ Trans Date: _____ Client Trans Date: _____

_____ Trans Time: _____ Client Trans Time: _____

Client Trans Timezone: _____

Errors Detected: 1

Errors Displayed: 1

18049 - An invalid Collection Required value has been entered.

Validate

Main

The number of errors detected and their description will be displayed in the bottom portion of the form, these will then require resolving before the record can be validated and the record written to the WMS tables. Depending on the type of error this can be achieved by either adding or amending the data within the actual WMS system, or amending the data contained within the file by changing the values directly within the validation form.

Once the errors have been resolved it is then possible to re-submit the message, by selecting the **Validate Button** . This will only re-process a single record as a time, where if you select **Main** you will be returned to the top screen where the entire message can be re-submitted and validated.

1.12 OUT BOUND RE-SEND SCREENS

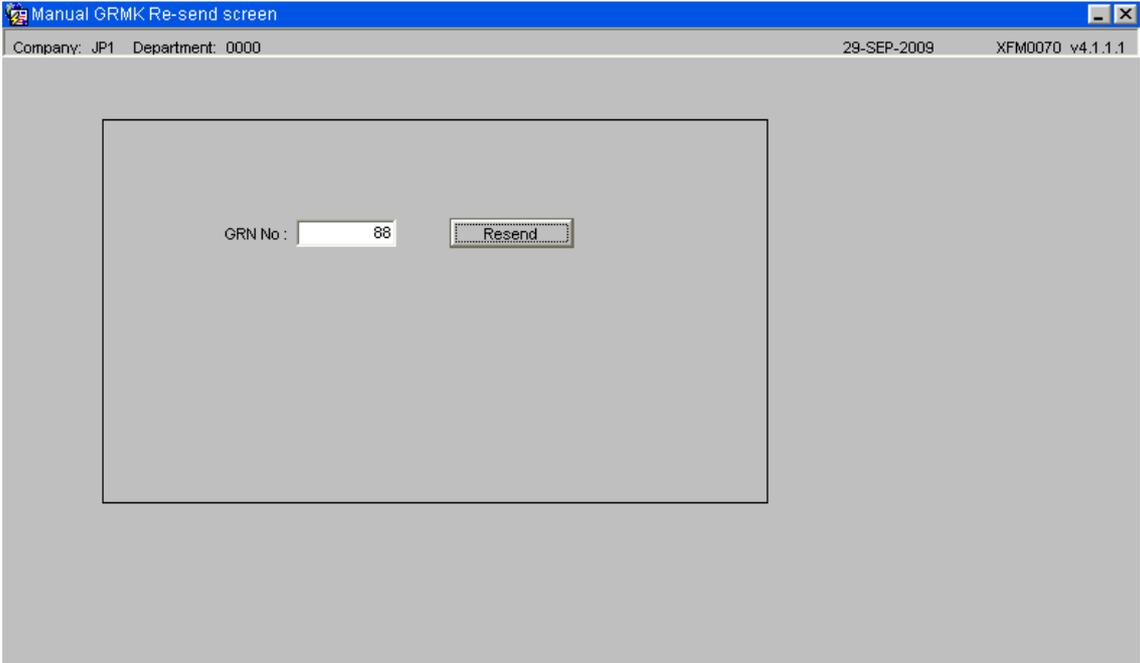
If messages have not been generated, have gone missing or require re-transmitting then it is possible to re-generate the message where it will wait for the next out bound ftp process.

Current resend screens: -

- Outbound GRN Confirmation Message
- Outbound Pack Confirmation Message

1.12.1 GRMK Re-send

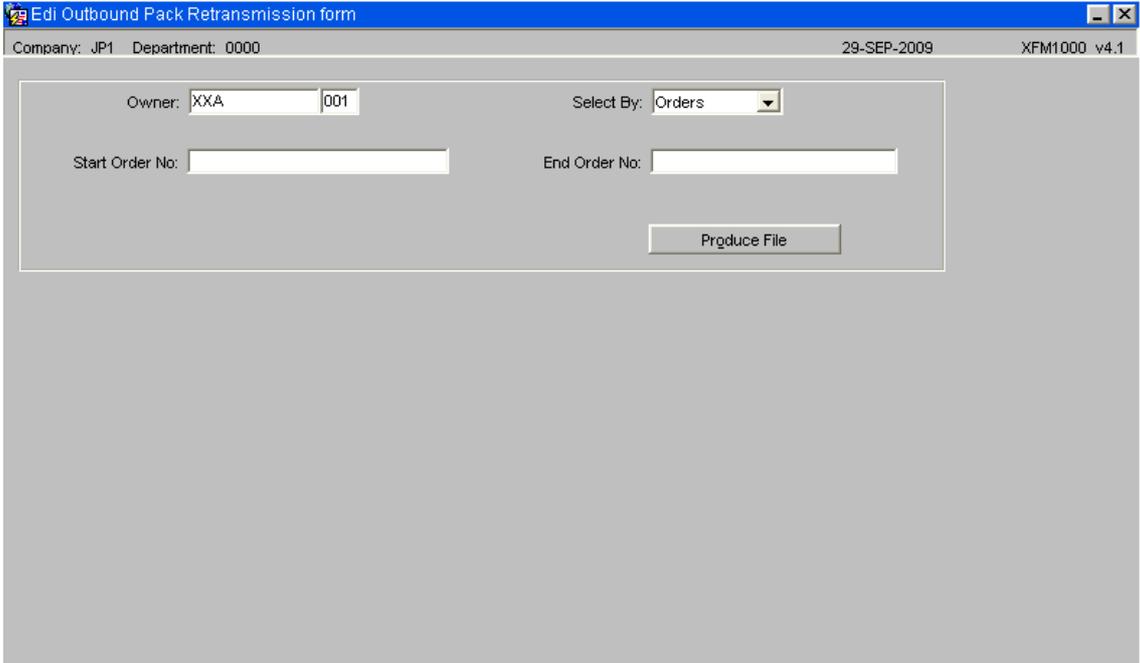




Select the GRN number that requires resending, an LOV is available which will display all closed GRN?s.

Press the **Resend** button to generate the required message

1.12.2 Packing Details Re-send



Field Name	Description	Options	Generic Value
Owner	Owner Code and Sub account id	Default from current user	Defined by the client
Select By	Selection criteria for re-transmission	Orders or Despatch Date	Defined by the client
Start Order No / End Order No	By Order Number	Order Number From / Order Number To	Defined by the client



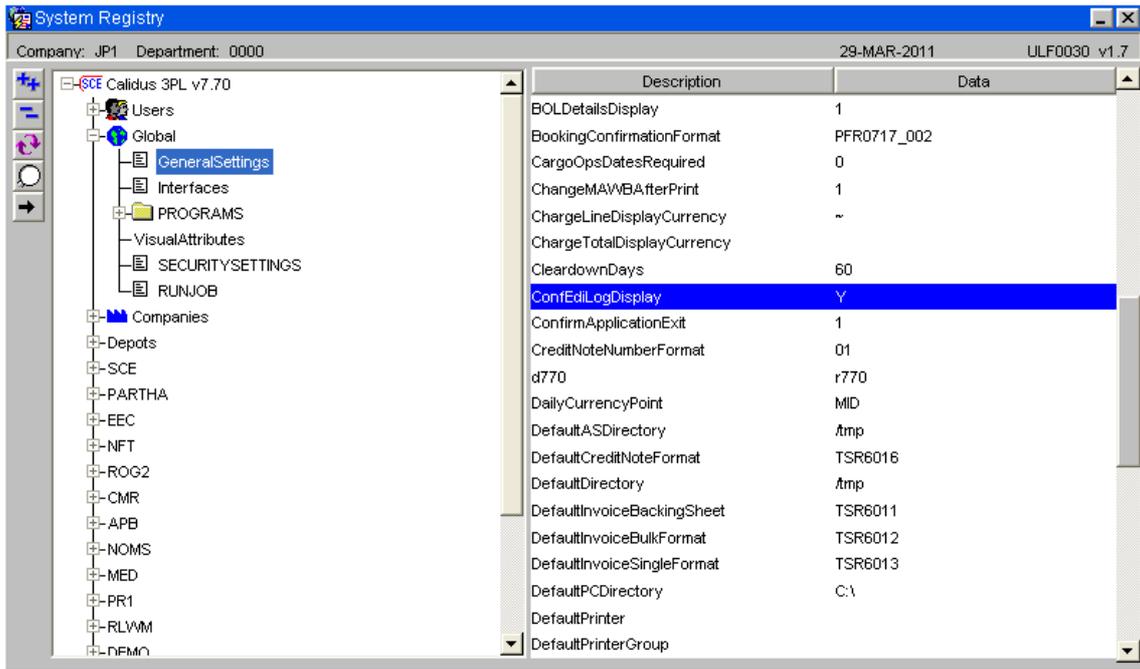
Field Name	Description	Options	Generic Value
Despatch Date From / Despatch Date To	By Despatch Date	Despatch Date From / Despatch To	Defined by the client

1.13 CONFIGURABLE EDI SETUP

1.13.1 Dynamic Inbound EDI Message Definition

1.13.2 System Registry (ULF0030)

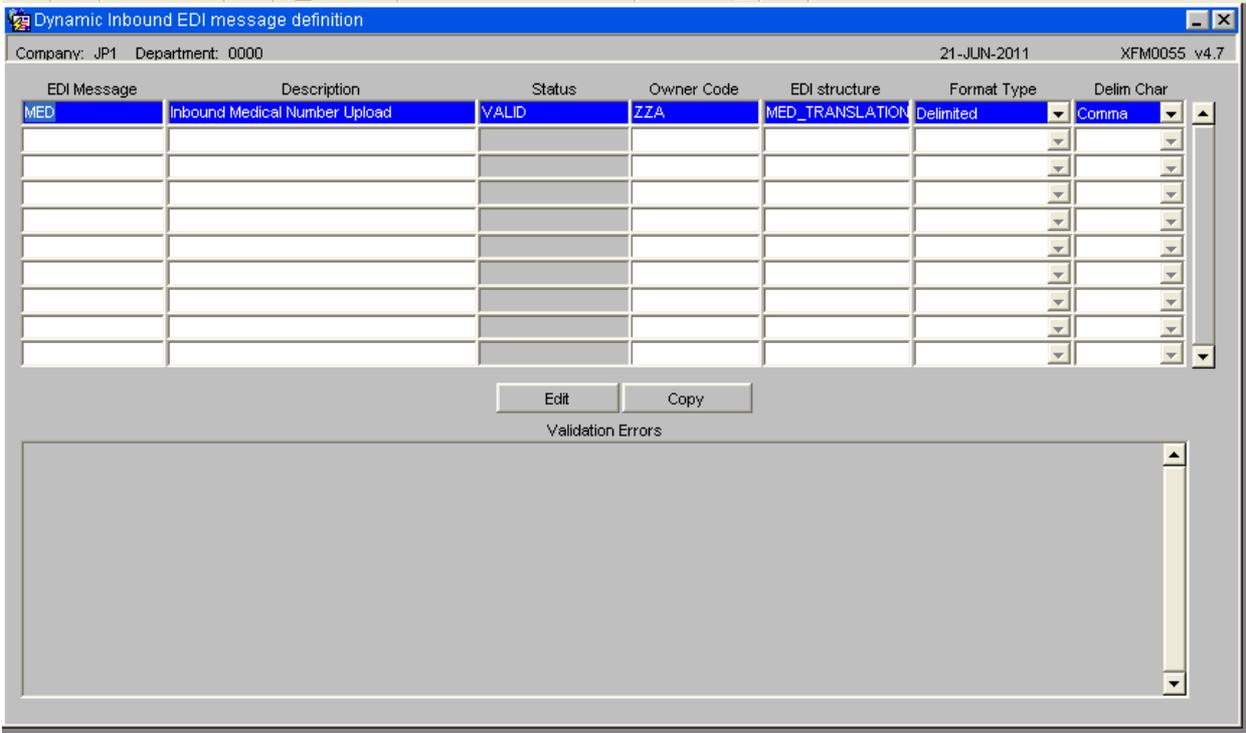
To produce log files to aid error resolution and to display tracking information within the XF Monitor Tracking page the following system registry setting must be entered at a Global Level '**ConfEdiLogDisplay**' with a value of '**Y**'



For a list of configurable EDI Messages see - [Configurable EDI Inbound Messages](#)

1.13.3 XF Dynamic Inbound EDI Definition Screen (XFM0055)





1.14 Inbound Configurable Setup (Example)

The following is a description on the steps required to setup an Inbound Configurable message for a Stock Warehouse update.

NB In the example below the process has been named **STKWHSE** the name is definable, but the same name must be used in the following screens -

- EDI Common Maintenance (EDI0001)- Message Type
- Dynamic Inbound EDI Message Definition (XFM0055) - EDI Message
- XF Monitor (XFM0020) - Process Code

See above for a detailed description of each of the forms.

EDI Common Record (EDI0001)

EDI common is used to dictate for what company/warehouse/owner the EDI flows are for.



EDI Common Maintenance

Company: JP1 Department: 0000 18-FEB-2009 EDI0001 v1.4

EDI Message Values

Company Code: JP1
 Warehouse Id: XX1
 Message Type: GEN_RCPT
 Key 1: XXA
 Key 2: 001

Common Values

Company Code: JP1 New Test Company
 Warehouse Id: XX1 Standard Warehouse
 Department: 0000 department 1
 Ledger Code: PL1 Purchase Ledger
 Ledger Company: JP1 New Test Company
 All companies: 000 101 333 666 999 JP1 MB1 TMS
 Branch Code: 0000 department 1
 Owner Code: XXA 001 Standard Client (3pl)
 Stockist Code: XXA 001 Standard Client (3pl)
 Base Currency: EUR Euro

The company code value is mandatory and must be a valid company. The remaining values must either be entered as '+' or valid in context.

For inserted details the values are taken from the current COMMON values and can be user updated

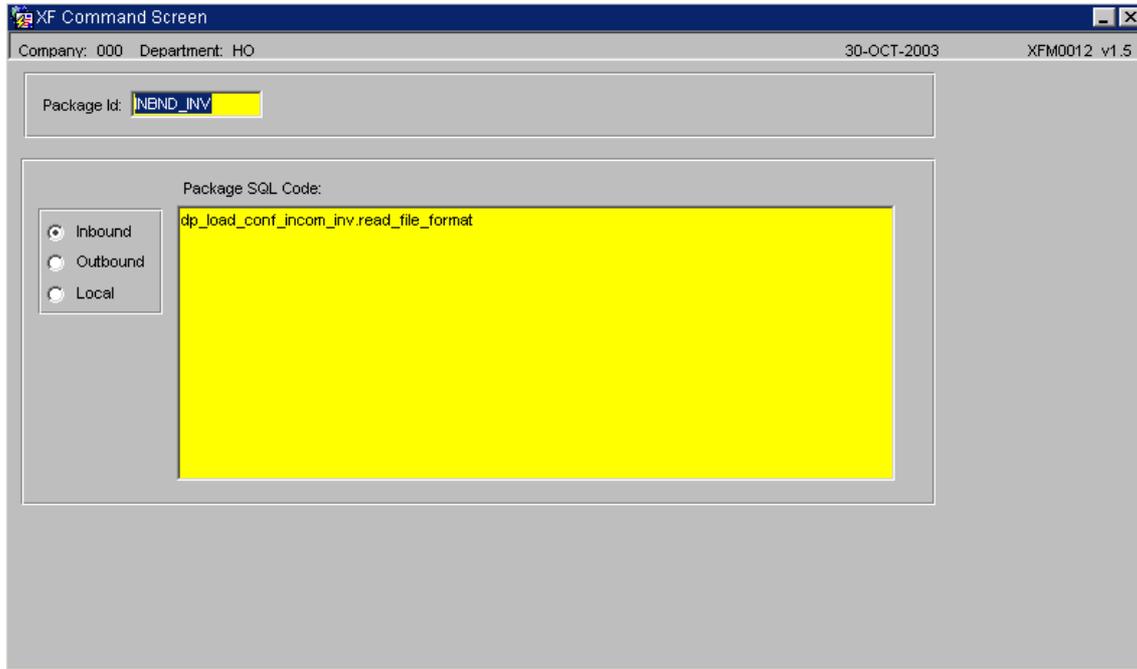
Field Name	Description	Options	Generic Value
Company Code **	Company code the user is setting up the EDI for	Must have been created in company maintenance	Defined by the client
Warehouse ID **	The warehouse code the user is setting up the EDI for	Must have been created in warehouse maintenance	Defined by the client
Message Type **	The message type of the EDI flow you are setting up	Defined by the hard coding of each EDI message - available message types listed below	See below
Key 1 **	If the database is to have multiple owners under one warehouse/company combination the owner code for each message will need to be set up here	Owner code of the owner otherwise ?+? if only one owner per warehouse using EDI. Advisable to always define the owner code.	Defined by the client
Key 2 **	If the database is to have multiple owners under one warehouse/company combination the owner sub code for each message will need to be set up here	Owner sub code otherwise ?+? if only one owner per warehouse using EDI.	Defined by the client
Company Code **	Company code the user is setting up the EDI for	Must have been created in company maintenance	Defined by the client
Warehouse Id **	The warehouse code the user is setting up the EDI for	Must have been created in warehouse maintenance	Defined by the client
Department **	The department code set up against the company	Must have been created in departments maintenance	Defined by the client
Ledger Code **	Determines which area of the system the message relates to	PL1 or SL1	See below
Branch Code **	The branch code set up against the company (not required)	Must have been set up in branch code maintenance or set to '+'	+
Owner Code **	The owner code and sub code the message is being set up for	Must have been created in owner maintenance	Defined by the client
Stockist Code ** (same as owner code)	The owner code and sub code the message is being set up for	Must have been created in owner maintenance	Defined by the client
Base Currency **	The default currency code being used by the owner	Must have been created in currency maintenance	Defined by the client

XF Command Screen (XFM0012)



This screen is used to dictate which package is called for each flow. The package id field is user definable, but the ?Package SQL Code? is predetermined by the package format.

Once you have entered the package id and the package SQL code, you must then specify whether it is an inbound or outbound flow.



Field Name	Description	Options	Generic Value
Package Id **	The unique identifier for this message type - note, you will need to remember this for further setup	10 character free text field	Defined by the client
Inbound/Outbound/Local **	Specifies whether the message is an inbound or an outbound flow (note, ?local? is not used for current WMS implementations)	Check box	Defined by the message type
Package SQL Code **	The programming instruction to determine which package the EDI will call	Defined by the hard coding of the program	Defined by the message type

1.15 EDI Listings and Setup Matrix

1.15.1 Hard-coded EDI outbound messages

Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	
Acknowledgement of Hold Release Message	N/a	ACK	User Definable	dp_edigen_out_ack.write_flat_file	-
Despatch message (Client Specific)	N/a	DESP	Not required?	dp_edi_out_desp_conf.write_flat_file	Not to future implemen (Includ compl
Generic Receipt Message	N/a	RCPT_CONF1	GEN_RCPT	dp_edigen_out_receipt_confirm.process_out_recpt_confirm	-
Returns and Collections	N/a	N/a	RETCOLL	dp_edigen_retcoll.write_file	-
Acknowledgement of Allocation	Yes user definable	N/a	Must be same name as used in EDI	dp_edigen_out_ack.write_alloc_ack_file	-



Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	
			Common		
Allocation Message	N/a	DESP1	GEN_ALLOC	dp_edigen_out_pdp_conf.write_flat_file	-
Cancellation message	N/a	DESP1	GEN_CANC	dp_edigen_out_pdp_conf.write_flat_file	-
Order Details	N/a	DESP1	GEN_ORD	dp_edigen_out_pdp_conf.write_flat_file	-
Generic Pick Message	N/a	DESP1	GEN_PICK	dp_edigen_out_pdp_conf.write_flat_file	-
Generic Hold Message	N/a	DESP1	GEN_HOLD	dp_edigen_out_pdp_conf.write_flat_file	Order being hold
Generic Pack Message	N/a	DESP1	GEN_PACK	dp_edigen_out_pdp_conf.write_flat_file	Fully F Order
Generic Despatch	N/a	DESP1	GEN_DESP	dp_edigen_out_pdp_conf.write_flat_file	-
Missing Universal Product Code (Barcode information, client specific)	N/a	N/a	MISSING_UPC	dp_edigen_out_missing_upcs.write_flat_file	-
Outbound Purchase Ordering	N/a	N/a	POP	dp_edigen_out_pop.write_flat_file	-
RDT Stock drip feed of updates	N/a	N/a	RDTSTK	dp_rdt_stock_drip_feed.xf_monitor_send_message	-

1.15.2 Stock Snapshot Formats

Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
Generic Stock Snapshot	SALES_BAL	SALES_GEN SALES_BAL	User Definable	dp_edigen_out_st_bal.generate_data DP_EDIGEN_OUT_ST_BAL.write_flat_file	Requires two packages to be run in the sequence listed.
Stock Snapshot by Rotation	SALES_BAL	STROT_BAL	User Definable	dp_edigen_out_strot_bal.write_file	Requires only one package
Stock Snapshot at Detail Level	SALES_BAL	STKDTL_GEN STKDTL_WRT	User Definable	dp_edigen_out_st_bal.write_flat_file_dtl dp_edigen_out_st_bal.write_flat_file_dtl	Requires two packages to be run in the sequence listed.
Client Specific	SALES_BAL	STOCK_GEN STOCK_BAL	User Definable	dp_edigen_out_st_bal.generate_data dp_edigen_out_st_bal.write_flat_file	Requires two packages to be run in the sequence listed.
Client Specific, Serials	SERIAL	STOCK_GEN STOCK_BAL	STOCK_BAL_NOV	dp_edigen_out_st_bal.generate_data dp_edigen_out_st_bal.write_flat_file	Requires two packages to be run in the sequence listed. Include the value 'NOV' in the format code field in XF Monitor



1.15.3 Hard-coded EDI Inbound messages

Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
Booking /Reference Number Update (Client Specific)	BOOK	N/a	BOOK	dp_edigen_book_upd_load.read_file_format	-
Hold/Release Process	HOLD_LOAD	N/a	HOLD_LOAD	dp_edigen_hold_load.read_file_format	-
Pre-Advice or ASN	GEN_GRN	PRE_ADV	GEN_GRN	dp_edigen_pre_advice_load.read_file_format	-
Product Master Upload (Generic)	PRODUCT	PROD_LOAD	User definable	dp_edigen_product_master_load.read_file_format	-
Sales Order Upload	GEN_SOP	SOP1	SALES_ORDER	dp_edigen_sales_order_load.read_sales_order_file	VALUE must be GEN_SOP for standard order file uploads but for XML the system requires another value of SOP to be maintained in the EDI Common.-
Sales Kit Upload	User definable, though must be the same name as the Process command in XF Monitor	N/a	User definable, though must be the same name as in EDI Common	dp_edigen_stk_kit_load.read_file_format	-

1.15.4 Configurable EDI Outbound messages

Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
Adjustment Flow	N/a	N/a	Same name as configurable process	dp_conf_edi_out.produce_dyn_edi_files	-
Serial Adjustment Flow	SERIAL	N/a	Same name as configurable process	dp_conf_edi_out.produce_dyn_edi_files	Same setup as above but include the EDI common name to produce serial numbering records.

1.15.5 Configurable EDI Inbound Messages

Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
		N/a		dp_edigen_sw_upd_load.read_file_format	-



Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
SW Average Cost Upload	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor		User definable, though must be the same name as the Configuration process and the EDI Common record		
Supplier Upload	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.read_edi_supp_file_format	-
Customer Upload	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.read_edi_cust_file_format	Option to either upload or amend existing customer records
Inbound Hold/Release Process	HOLD_LOAD	N/a	HOLD_LOAD	dp_edigen_hold_load.read_file_format	-
Configurable Serial and Translation Number Upload	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.med_seq_xfm	-
Stocks Base Selling Price	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.stk_base_sell_xfm	-
Stock Region and Sales territory (Client Specific)	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.stock_region_xfm	-
Stock, UOM and Barcode information	User definable, though must be the same name	N/a	User definable, though must be the same name	dp_conf_edi_in.stk_uom_xfm	-



Description	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
	as the Configuration process and the Process command in XF Monitor		as the Configuration process and the EDI Common record		
Stock Warehouse	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.stock_warehouse_xfm	Putaway anchor points and replenishment levels
Updating of existing stock records	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.stock_update_xfm	-
Pallet upload (WLE)	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.read_edi_wle	-
Pallet upload of held stock	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.wle_held_stock_xfm	-
Stock Master Upload	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.read_edi_prod_mast_format	-
Configurable stock warehouse	User definable, though must be the same name as the Configuration process and the Process command in XF Monitor	N/a	User definable, though must be the same name as the Configuration process and the EDI Common record	dp_conf_edi_in.stock_locations_xfm	Putaway anchor points and replenishment levels



1.15.6 Carrier EDI Messages

Description	Direction	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
Carrier Interface - Allocation	Out	N/a	N/a	CICA	dp_cim_outbound.write_cioc_cica_file	-
Carrier Interface - Order Confirmation	Out	N/a	N/a	CIOC	dp_cim_outbound.write_cioc_cica_file	-
Carrier interface - Package details	Out	N/a	N/a	CIPD	dp_cim_outbound.write_cipd_file	-
Manual cancelled orders	Out	N/a	N/a	CANC	dp_cim_outbound.write_canc_file	-
POD Confirmation (Ireland Specific)	Out	N/a	N/a	PODC	dp_cim_outbound.write_podc_file	-
Carrier interface - Tracking Details	In	CITD	N/a	CITD	dp_cim_inbound.read_file_format	-
Carrier Interface - Packing Information	In	CICD	N/a	CICD	dp_cim_inbound.read_cicd_file_format	-

1.15.7 Miscellaneous EDI Messages

Description	Direction	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
DHL Labels EDI Generation	Out	DHEG	N/a	DHEG	dp_edigen_out_pack_label.write_dheg_file	-
DHL Label Tracking Reference	In	DHEG_UPL	N/a	DHEG_UPL	dp_edigen_dheg_upd_load.read_file_format	Will capture a tracking reference number and automatically create pack header records

1.15.8 Local Processes

Description	Direction	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
Script to automatically allocate all orders in the well	Local	ALLOC	N/a	ALLOC	dp_edigen_alloc.xf_monitor_allocate	-
If the order is held in Metapack as status ?Manifested?, ?Tracking? or ?Complete?, then the EDI process will initiate the WMS despatch process, down-dating the stock and updating the order as despatched.	Local	META_DESP	N/a	META_DESP	dp_edigen_out_metapack.despatch_check	Client specific see MetaPack for setup details



1.15.9 FTP Processes

Description	Direction	EDI Common Name*	XFM Command Screen**	Process Code***	Database Package Name	Notes
In bound FTP process	In	N/a	FTP_INBND	User Definable	dp_process_control_xfm.ftp_inbound	-
Out bound FTP process	Out	N/a	FTP_OUTB	User Definable	dp_process_control_xfm.ftp_outbound	-

NB

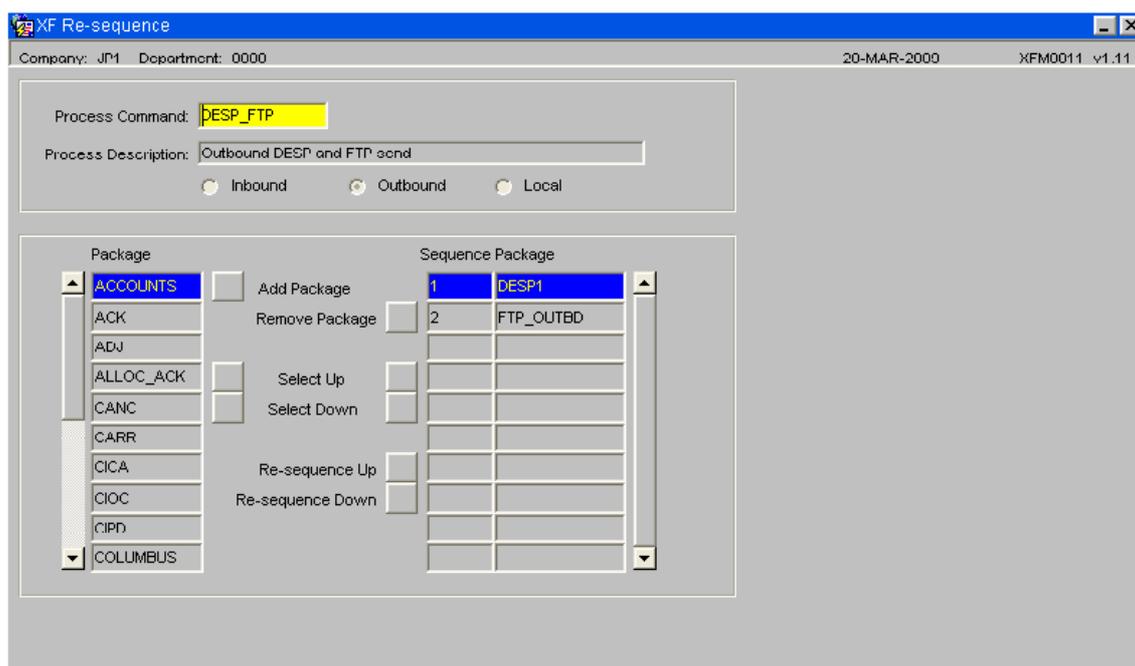
EDI Common Name * As a general rule an EDI Common Name is required for all inbound messages but is not a requirement for outbound messages, though there are a couple of exceptions as noted above, i.e. Outbound Serial numbering functionality

XF Command Screen (XFM0012)** These are all user definable, but depending on the system install there may be existing records, as noted above.

Process Code (XFM0020)*** As a rule outbound processes require a specified Process Code, the required values are listed above.

XF Re-sequencing (XFM0011)

The XF Re-sequencing screen is used if you wish to call multiple packages under one package id. You then specify which package, and in what priority. For example to automatically ftp despatch messages on to a remote server you would set sequence one to run the DESP package and then sequence two would run the outbound ftp package.



Field Name	Description	Options	Generic Value
<i>Process Command **</i>	Based on the package id set up in the previous screen - this will ensure the process calls the correct package	Must have been set up in xf process command	Defined by the client only for Outbound messages, see table below for inbound message naming formats
<i>Process Description **</i>	A brief description of what EDI message the process code relates to	50 character free text field	Defined by the client
<i>Inbound/Outbound/Local **</i>	Specifies whether the message is an inbound or an outbound flow (note, ?local? is not used for current WMS)		Defined by the message type

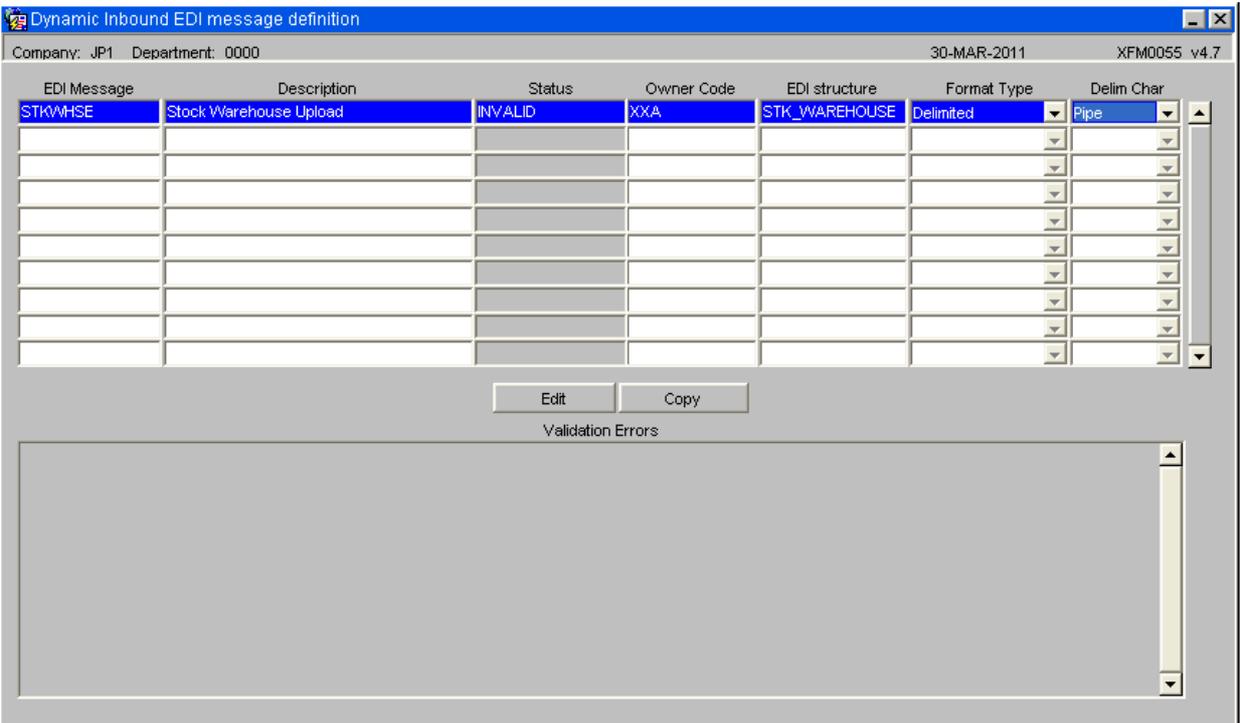


Field Name	Description	Options	Generic Value
	implementations)		
Buttons	Description		
Add Package	Adds the selected package to the sequencing pool		
Remove package	Removes the selected package from the sequencing pool		
Select Up	Moves the packages up so the one you require is selected		
Select Down	Moves the packages down so the one you require is selected		
Re-sequence Up	If more than one selected package in the pool, re-sequences the priorities of the flows (upwards)		
Re-sequence Down	If more than one selected package in the pool, re-sequences the priorities of the flows (down)		

XF Dynamic Inbound EDI Definition Screen (XFM0055)

The Configuration screen - where the EDI message name, type and individual message elements are specified.

- Ensure the EDI Message name is the same as the one entered in EDI Common.



Edit Level Data

Dependent on the chosen format type, ensure that the relevant Field No or Start Positions information is entered.



The screenshot shows the XFMonitor application window. At the top, it displays 'Company: JP1 Department: 0000' and the date '30-MAR-2011'. The main configuration area includes:

- Process Code:** JP1XX1XXA_STKWHSE
- Process Description:** Stock Warehouse Upload (Configurable)
- Process ID:** (empty field)
- Transfer Method:** EDI
- Transfer Type:** EDI Transfer
- Send/Receive:** Receive
- Process Type:** Interval
- Interval (mins):** 33
- Process Command:** STKWHSE
- File Retention (days):** (empty field)
- UOM Flag:** (empty field)
- EDI File Separator:** (empty field)
- Reports Flag:** (empty field)
- Process State:** (empty field)
- Start Date:** (empty field)
- Started By:** (empty field)
- Next Run:** (empty field)
- Buttons:** Force Run, Start Process, Stop Process
- File Format:** Fixed Length (Def...)
- Format Code:** (empty field)
- Owner Code:** (empty field)
- Customer Identifier:** (empty field)
- Priority Sequence:** (empty field)
- End Sequence:** (empty field)

1.15.10 Dynamic Outbound EDI Message Definition

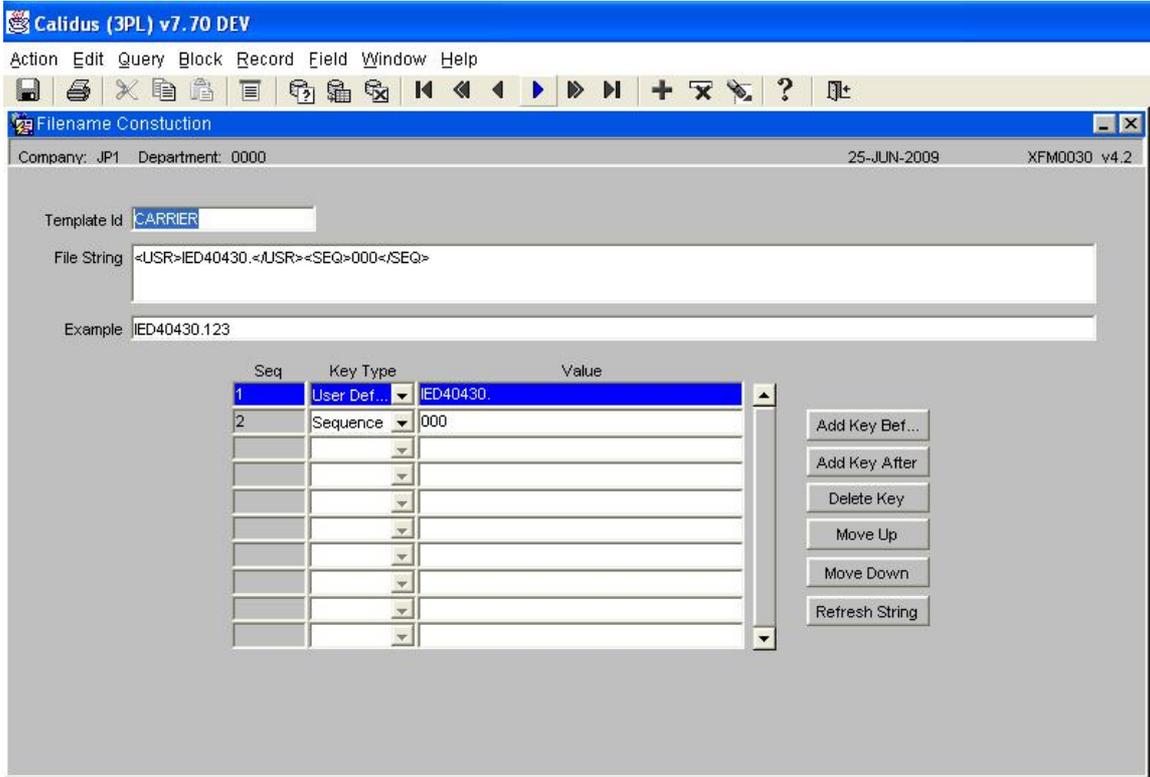
Field Name	Description
<i>Adjustments</i>	Positive and negative adjustments also hold and release
<i>Inventory</i>	Stock Balances
<i>Orders</i>	Order information

1.15.11 Outbound EDI Message Definition

Filename Construction is a template maintenance screen that allows outbound EDI files to be sent via ftp with a specific filename definition.

If the user defines a filename within the file template form (i.e. ?IED40430.nnn? in this case), the outbound ftp process will be altered to check for the existence of filenames of the type ?IED40430*?. The filename string to search for will be constructed dynamically based on the user-defined elements entered for the template code in question. For this reason, the user will be expected to create template codes with at least one user-defined segment for filenames that are to be ftp?d.





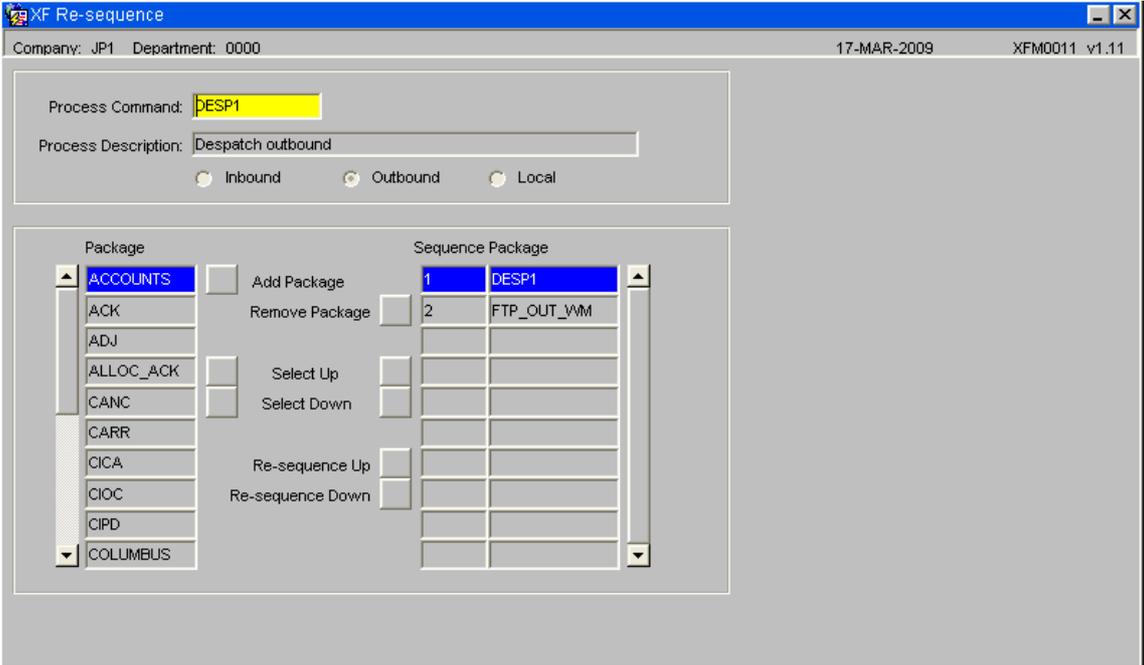
Field Name	Description	Options	Generic Value
Template Id	Unique name of template	LOV provided for existing templates	Defined by the client
File String	an example of how the filename will look	Built up by the system as values are entered in the detail part of the form and then refreshed	Defined by the client
Example	Actual Example of file name	Built up by the system as values are entered in the detail part of the form and then refreshed	Defined by the client
Seq	Sequence number within file string		Defined by the client
Key Type	Individual file element	Options include- Hard Code, Date, Extension, Separator, Sequence, Time, User Defined	Defined by the client
Value	Data element to be displayed	Depending on the key type selected their will either be a relevant LOV or the option of entering free text	Defined by the client
Buttons		Description	
Add Key Before	Insert key into string in front of the selected value		
Add Key After	Insert key into string after the selected value		
Delete Key	Delete the key or element from the string		
Move Up	Move the element up in the string		
Move Down	Move the element down in the string		
Refresh String	Will populate the File String and Example fields		

1.16 FTP SETUP

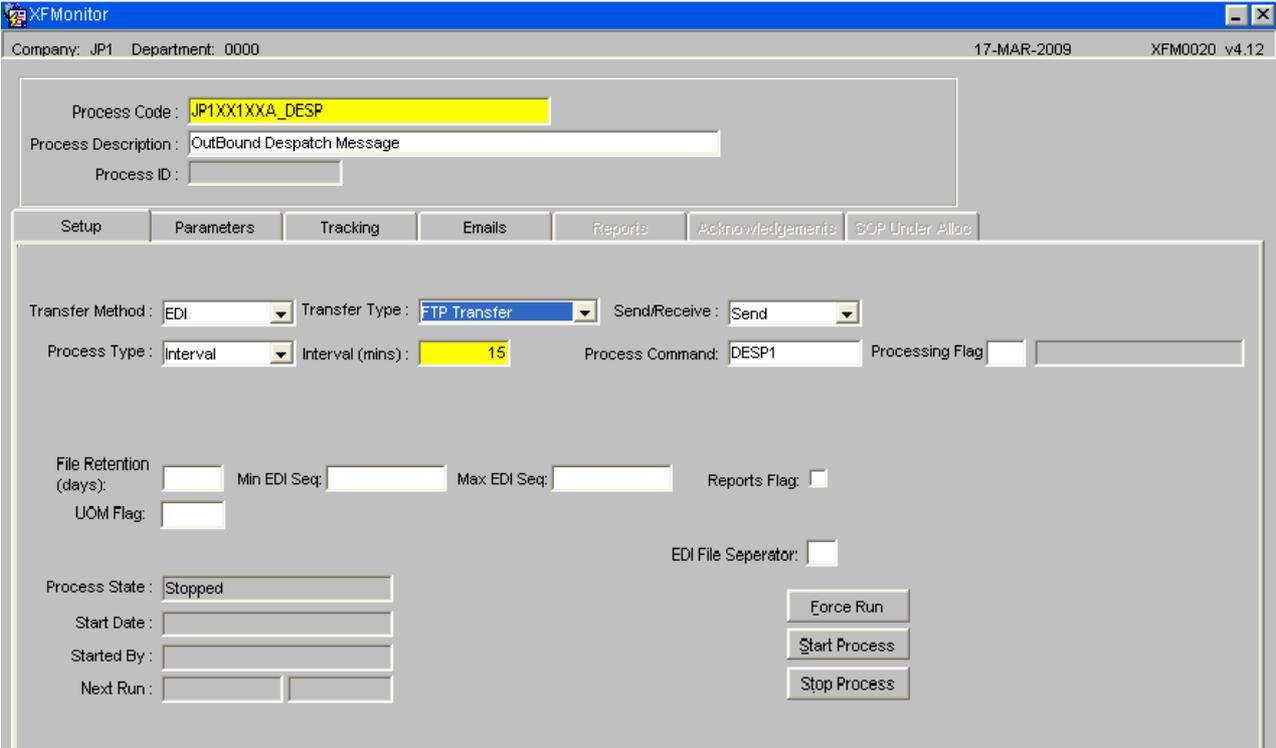
FTP Inbound and outbound is executed via a database package the same way as the standard EDI processes. In addition to the calling of the data base packages there is the requirement to set the I.P. address and login details of the remote machine.

It is possible to run the FTP processes standalone or as part of another process.





In the above example the process command DESP1 will run consecutively the DESP1 package which will generate the Despatch Messages, followed upon completion by the FTP_OUT_WM package which will the ftp process to which will attempt to place the Despatch files onto the remote machine.



Set the transfer type to - FTP Transfer

1.17 EDI Reprocessing

This change will apply to inbound EDI flows only as it refers to the processing of items placed in the transient tables because of a process validation issue.

The current EDI flows that will be included in this change are:



- Sales Order
- Hold / Release
- Pre - Advice
- Stock Upload

The aim is to reduce the amount of user intervention required when issues like record locking occur during the original data load.

A new screen will list the EDI flows that are setup for the current Warehouse / Owner combination. These EDI flows will appear regardless of whether they are currently running, the screen will display the same flows that can be seen in the XF Monitor screen.

Within this screen there will be option to select each flow. Once a flow is selected, the user must enter the number of times they want each load to be reprocessed and the frequency in minutes between each reprocess run.

If the load reaches the maximum number of re-tries, then it will no longer process automatically but will be available in the usual validation screens for users to validate / update manually.

There will be the option within the screen to start and stop the automatic reprocessing. The users will have to start the process running initially, and then have the option to stop it if required. There will be an indicator on the screen to show if it is currently running.

If the emailing of EDI error reports is set up for the flow, the selected reports will be emailed to the stated users if the load reaches the maximum number of retries.

