



QAD Enterprise Applications  
Standard Edition

# Training Guide **Supplier Schedules**

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QAD Standard Edition  
June 2009

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# **About This Course**

## Course Description

QAD designed this course to cover the basics of the supplier schedules functionality of QAD Standard Edition (SE). This course includes:

- An introduction to supplier schedules
- An overview of key business considerations
- Setting up supplier schedules
- Operating supplier schedules
- Activities and exercises throughout the course
  - Students practice key concepts and processes in supplier schedules

### Course Objectives

By the end of this class, students will:

- Analyze key business decisions before setting up supplier schedules
- Set up and operate supplier schedules

### Audience

- Implementation consultants
- Members of implementation teams
- Operators
- Information Systems (IS staff who support the EDI/EDI eCommerce interfaces)

### Prerequisites

- Basic knowledge of:
  - Hardware and network configurations
  - QAD SE as it is used in the business
- Working knowledge of the manufacturing industry in general

**Note** Students unfamiliar with QAD SE should work through the User Interface Guide before attending this class.

### Course Credit and Scheduling

This course is designed to take 2 days

### QAD Web Resources

The QAD website provides product and company overviews.

<http://www.qad.com/>

From QAD's main site, you can access QAD's Learning or Support sites.

Chapter 1

# **Introduction to Supplier Schedules**

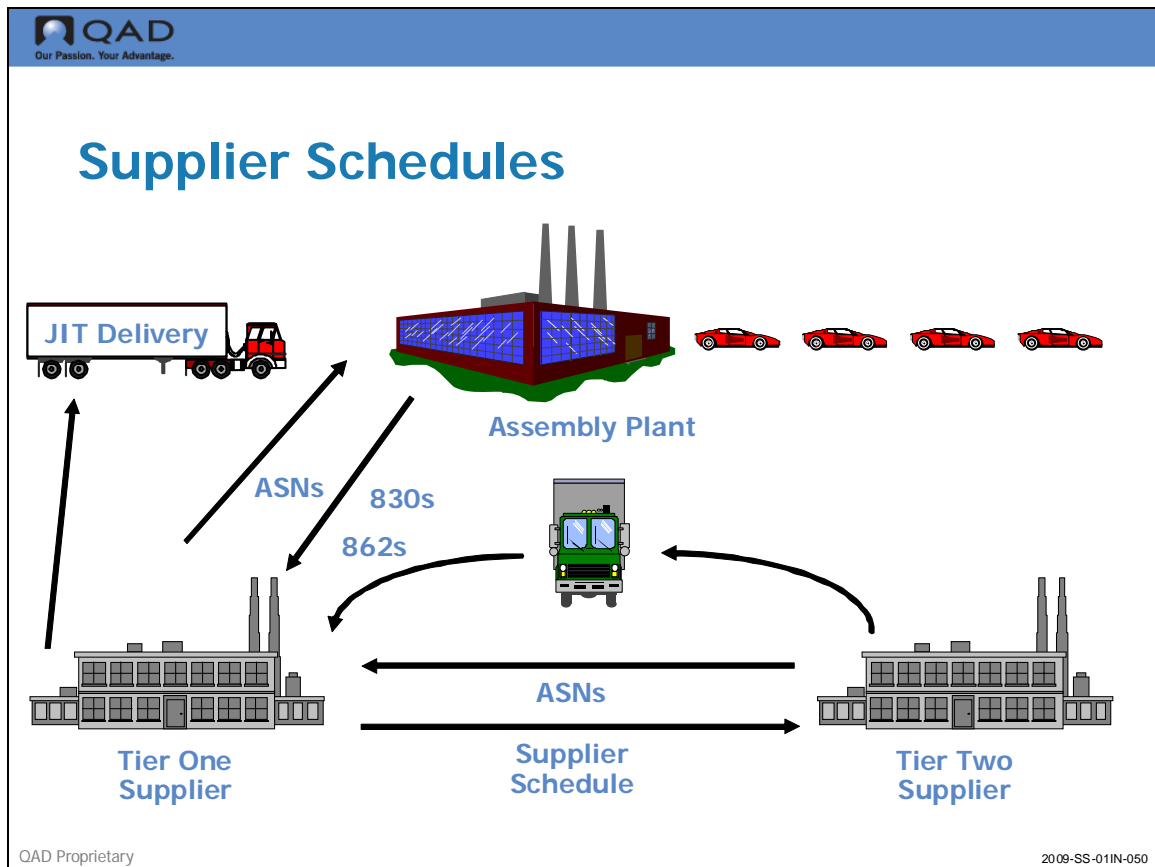
## Course Overview



### Course Overview

- ▲ Introduction to Supplier Schedules
- ▲ Business Considerations
- ▲ Set up Supplier Schedules
- ▲ Process Supplier Schedules
- ▲ Process Supplier Schedules Receipts

## Supplier Schedules



Supplier schedules are period-oriented schedules that are generated on a daily, weekly, or monthly basis. They have their roots in practices developed by the automotive industry.

- The automotive industry requires the communication of releases and the sending of Advanced Ship Notices (ASNs)

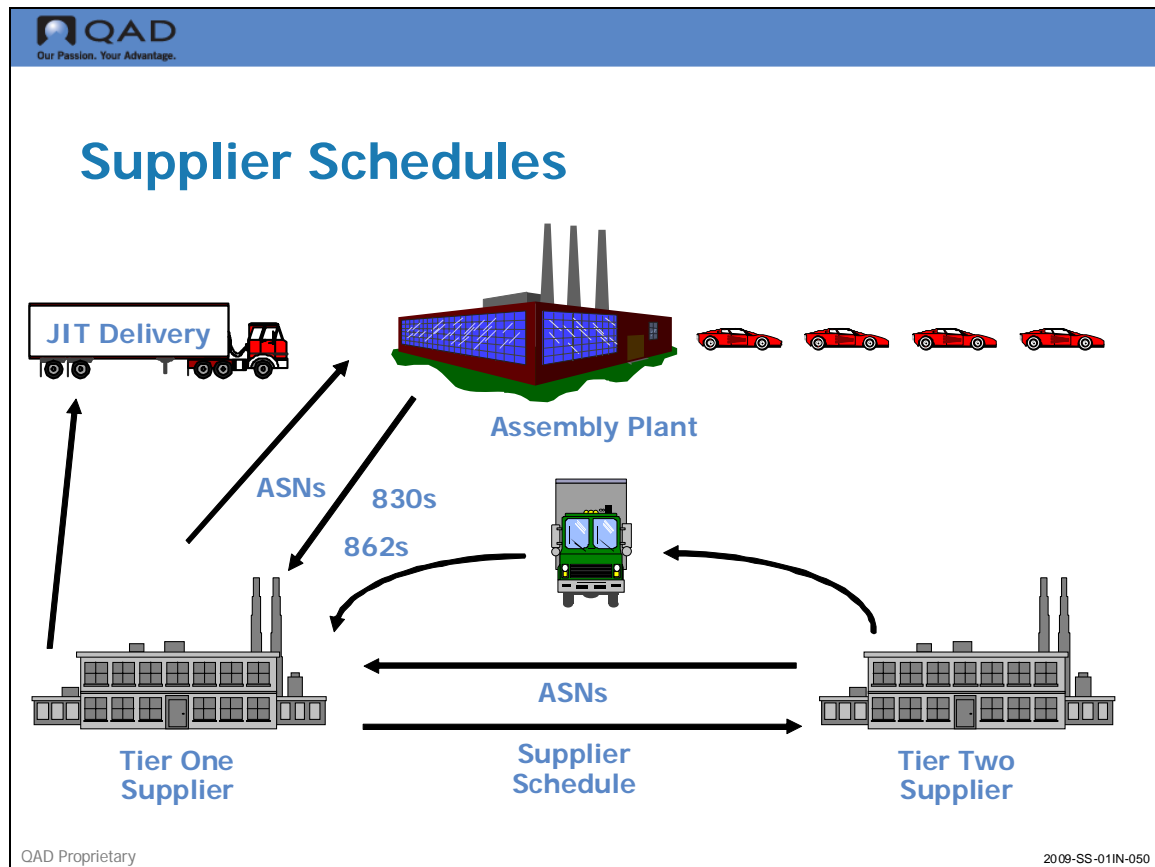
**Note** Some companies pay only from the ASN

- Supplier schedules allow automotive companies to maintain an uninterrupted flow of work through manufacturing, while maintaining minimum levels of inventory

Companies using supplier scheduling share a common profile:

- High production volumes
- Long term commitments with suppliers
- Frequent shipments from suppliers
- Normally use EDI (Electronic Data Interchange) or EDI/eCommerce

## Scheduled Order



When a scheduled order is created, several parameters are defined that the system uses to calculate receipt, planning, and shipping schedules for the items to be purchased. These items are entered on separate order lines. A scheduled order combines fields found on a purchase order header with order trailer fields and specific line item information. This information forms the structural base against which item quantities and dates are scheduled.

### Order Data

The order data applies to the entire order. There are two sections. The first section identifies the purchase order and supplier.

**Note** The purchase order number can be system or user-assigned.

The second section is the Order Data frame. This frame contains the shipping and credit information, and how to transmit the order to the supplier (fax, EDI). You can also enter comments for the entire order.

### Order Line Item Data

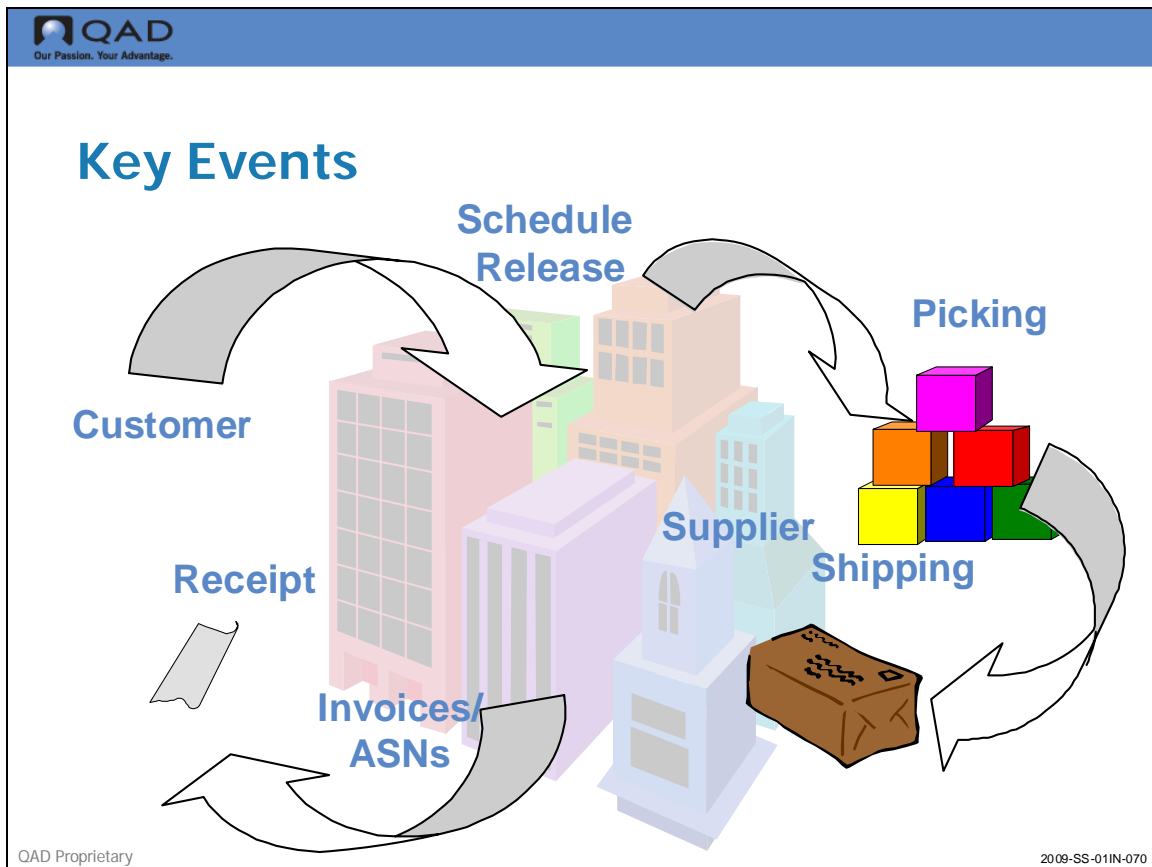
After completing the order data, enter the specific order line item data, using the Order Line Item data frames. For each line item enter information such as:

- Item number for the item being purchased
- Site receiving the purchased item
- Line item details

- Schedule details

Comments may also be entered.

## Key Events



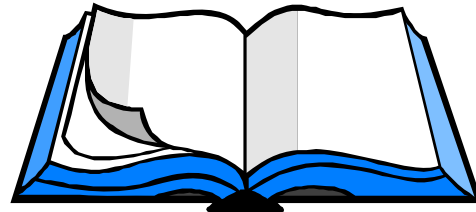
- 1 The Customer determines what they need and when they need it.
- 2 Supplier runs Material Requirements Planning (MRP).
- 3 Creates a scheduled order.
- 4 Schedule release sent to supplier.
- 5 Order items are picked.
- 6 Order is shipped.
- 7 Customer receives order.

## Terminology



### Terminology

- ▲ Advanced Ship Notice (ASN)
- ▲ Electronic Data Interchange (EDI)
- ▲ EDI ECommerce
- ▲ Fabrication/Raw Material Authorization
- ▲ Release
- ▲ Scheduled Order



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2009-SS-01IN-080

**Advance Ship Notice (ASN).** [An electronic document derived from a shipper document and sent by a supplier to a customer when a shipment leaves the supplier site, informing the customer that the shipment is on the way. ASN formats are defined for various international standards; for example, an 856 Transaction Set per ANSI ASC X12. An ASN takes the place of an invoice in some supplier-customer arrangements. See Electronic Data Interchange (EDI).

**Electronic Data Interchange (EDI).** An international protocol for electronically transmitting documents such as customer schedules, invoices, and ASNs between trading partners.

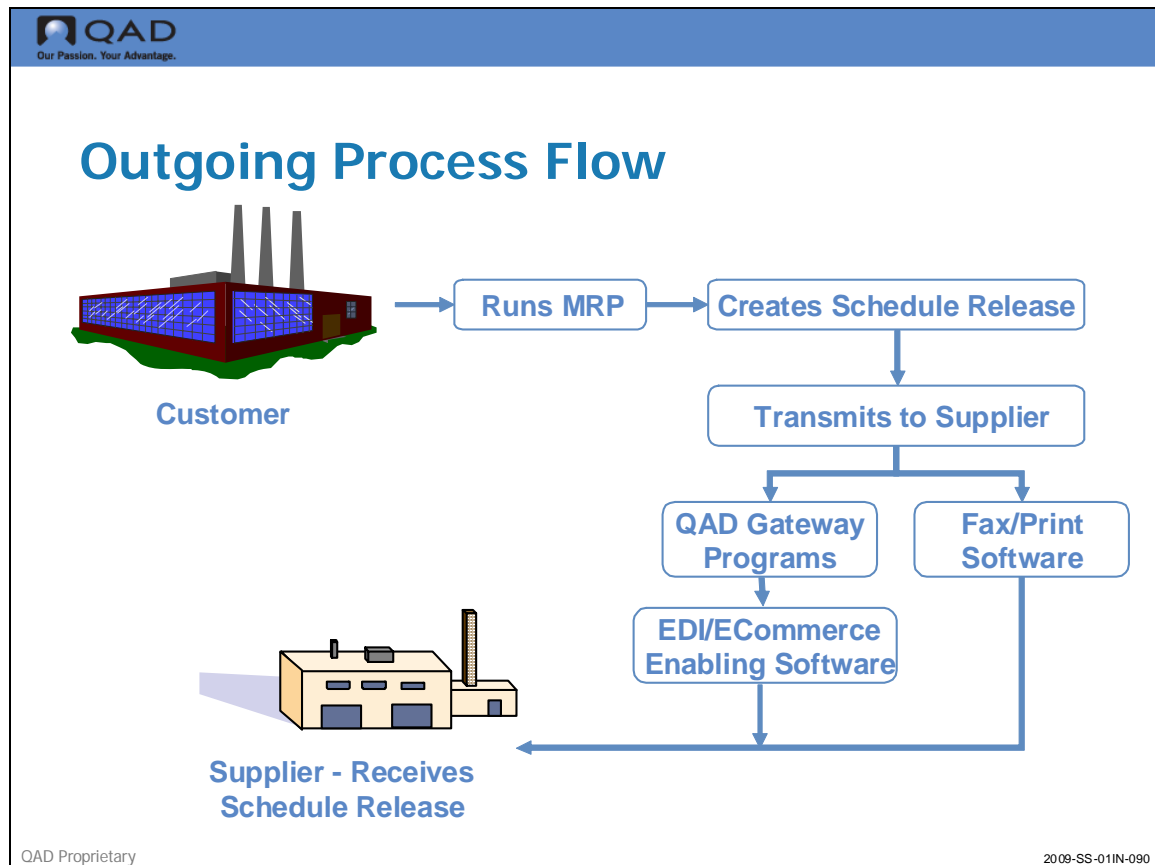
**EDI eCommerce.** The EDI component of QAD SE.

**Fabrication Authorization.** Communication with a customer to a supplier authorizing them to fabricate items through a specified time period. Acts as the customer's agreement to pay for all items fabricated within the authorization horizon.

**release.** A schedule based on a scheduled order.

**scheduled order.** A specialized sales or purchase order that has schedules attached to it for the suppliers to ship against. The scheduled order can have an indefinite term. The scheduled order serves as the basis for creating the customer and supplier schedules.

## Outgoing Process Flow



Supplier schedules allow you to manage the relationships with suppliers to whom you transmit period-oriented demand with statements called releases.

- Releases are typically sent using EDI or eCommerce
- Releases can be sent by fax or a printed release

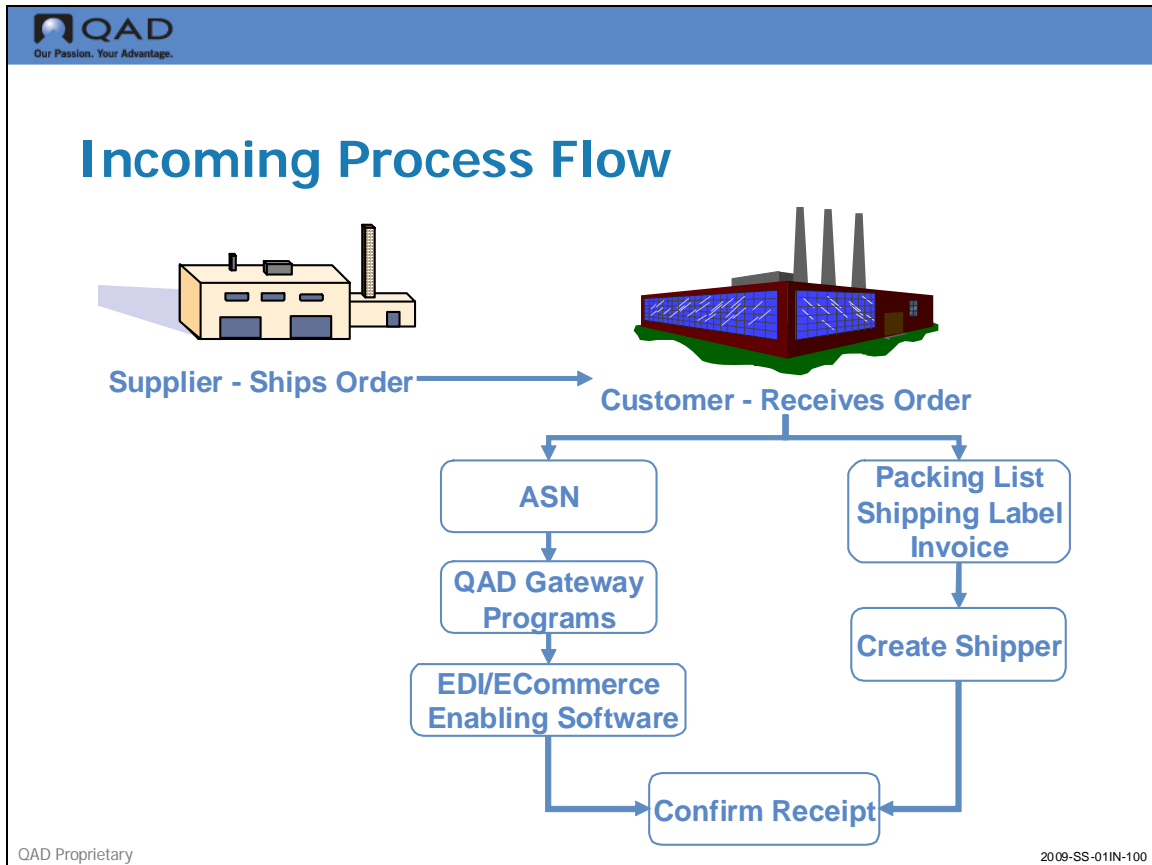
### With EDI/eCommerce

- Release information is taken from the QAD SE supplier schedules
- Mapped through the QAD SE gateway programs into EDI/eCommerce readable messages
- EDI/eCommerce-enabling software is used to export the releases to a supplier's computer or electronic mailbox
  - Each supplier may have their own EDI/eCommerce requirements and signal standards
  - Handled by the EDI/eCommerce enabling software after the information is passed from QAD SE

### Without EDI/eCommerce

- Schedule releases can be printed and faxed, or a fax server used for transmission
- Can be printed and sent

## Incoming Process Flow



### With EDI/eCommerce

- Often occurs when there is a significant transportation lead time involved, or
- If the supply chain has recognized the advantage of single keying of dispatches/receipts

ASNs reduce the need for expediting at the customer end by providing visibility while the goods are still in transit.

**Note** If you are using EDI/eCommerce, an ASN merely needs to be received for items and quantities to make a receipt, rather than keying in all the details again.

### Without EDI/eCommerce

- Create a shipper
- Receive the shipper

## Course Objectives



### Course Objectives

In this class you learn how to:

- ▲ Identify key business considerations before setting up Supplier Schedules in QAD Standard Edition
- ▲ Set up Supplier Schedules in QAD Standard Edition
- ▲ Process Supplier Schedules in QAD Standard Edition
- ▲ Process Supplier Schedules Receipts in QAD Standard Edition

Chapter 2

# **Business Considerations**



## Business Considerations

In this section you learn how to:


- ▲ Identify key business considerations before setting up Supplier Schedules in QAD Standard Edition
- ▲ Set up Supplier Schedules in QAD Standard Edition
- ▲ Process Supplier Schedules in QAD Standard Edition
- ▲ Process Supplier Schedules Receipts in QAD Standard Edition



## Business Considerations

- ▲ Tracking
- ▲ EDI/EDI ECommerce
- ▲ Price Lists
- ▲ Planning Horizon
- ▲ Evaluated Receipts Settlement (ERS)

## Tracking - Cumulative



### Tracking – Cumulative

Period	1	2	3	4	5	6
Net Demand	1,000	1,000	1,000	1,000	1,000	1,000
Cumulative	1,000	2,000	3,000	4,000	5,000	6,000
	<b>Cum Start</b>					
Cum shipped = 2,500						
Net Required Qty.	0	0	500	1,000	1,000	1,000

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### Dyeaefinition

Accounting method in which trading partners maintain totals of required and shipped/received quantities. There are two methods:

- Cumulative
- Non-Cumulative (i.e., based on net requirements)

Cumulative accounting maintains running totals for each shipped/received quantity. Non-cumulative accounting methods are calculated from discrete quantities and are adjusted using the cumulative quantity required less the cumulative quantity received or shipped.

#### Why Consider?

- Traditionally, schedules in the automotive industry have been based on cumulative accounting
  - Total schedule quantity determined for a period, often a year
  - Effect of each shipment to a customer was calculated based on a cumulative total
- Today many business environments use release management to ship against specific requirements:

#### Functionality in QAD SE

- Monitor received/shipped quantities

- Quantities can be adjusted

#### Setup Implications

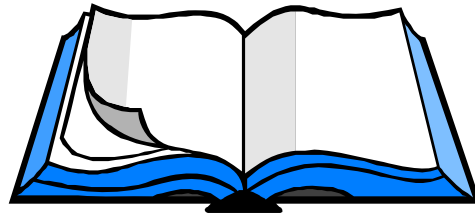
- Scheduled Order Maintenance (5.5.1.13) needs to be set up to reflect when quantities begin to accumulate
- Agreed upon between you and your supplier

## Tracking Terminology



### Tracking Terminology

- ▲ Cum Received
- ▲ Cum Required
- ▲ Cum Shipped
- ▲ Cum Start Date
- ▲ Cumulative Accounting
- ▲ Prior Cum Date
- ▲ Prior Cum Required



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cum required

The gross cumulative quantity on order at any point in a customer schedule.

cum shipped

The cumulative total shipped by the supplier.

cum start date

The date a scheduled order shipment began accumulating quantities.

cumulative accounting

A method of tracking shipments and receipts in which trading partners maintain running totals of required and shipped/received quantities.

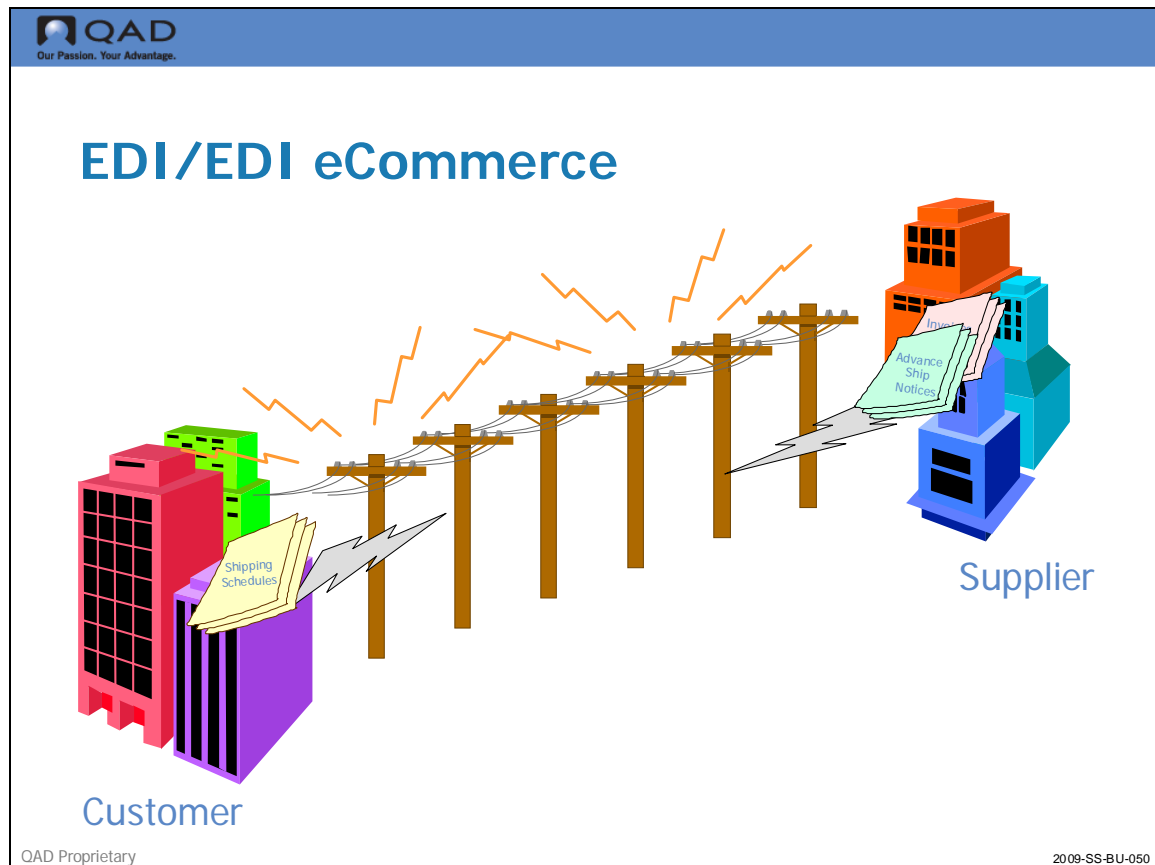
prior cum date

The up to and through date of a prior cumulative required quantity.

prior cum required

The total quantity required prior to the date of release.

## EDI/EDI eCommerce



### Definition of EDI

An international protocol defining the means and methods for electronic transmission of documents between trading partners. Documents are transmitted in a highly structured format that can be processed by computer software.

### Definition of eCommerce

ECommerce is the interface between QAD SE and third-party EDI communications or translator products called EC subsystems. eCommerce enhances the system's ability to manipulate, analyze, edit, and reprocess EDI data.

### Why Consider?

- Time saving
  - Information processed faster
  - Shortened response times
- Reduced data input
  - Reduces errors
- Saves labor costs
  - Reduces/eliminates paperwork, fewer people are needed
- Lower inventory levels

#### Functionality in QAD SE

- Support import of ASNs (856) and invoices (810)
- Support export of schedule releases (830)

#### Setup Implications

- EDI/eCommerce software, files, etc., need to be setup
- Modify user-edited programs to meet trading partner requirements
- Trading Partner Parameters Maintenance (35.13.10) needs to be set up
- Supplier Maintenance (2.3.1) needs to be set up with supplier information
- Supplier Item Maintenance (1.19) needs to be set up with supplier item cross-references
- Document Import (35.1) recognizes the supplier item number on the imported document and converts it to your internal item

## Price List Maintenance (1.10.1.1)

Price List: PENCIL

Customer/Analysis Code: All

Item/Analysis Code: All

Currency: USD

Unit of Measure:

Start:

Expire Date: 1/22/2009

Description:

Amount Type: Discount %

Quantity Type: Quantity

Comb Typ: Combinable

Min Net Ord: 0.00

Max Quantity: 0.0

Break Cat:

Config Disc:

Manual:

Max Orders: 0

Disc Sequence: 10.0

Print:

Promotion Type:

Promotion:

Cost Set:

Comments:

Back Next

Price List Maintenance (1.10.1.1)

QAD Proprietary 2009-SS-BU-060

A convenient tool for inputting item prices for suppliers without having to perpetually maintain the scheduled order.

**Note** Scheduled order references a price list

Functionality in QAD SE

- The price list is maintained separately

**Note** Allows other departments to maintain prices, without having to access the scheduled order line.

- Each item needs to be input on the price list with its relevant price

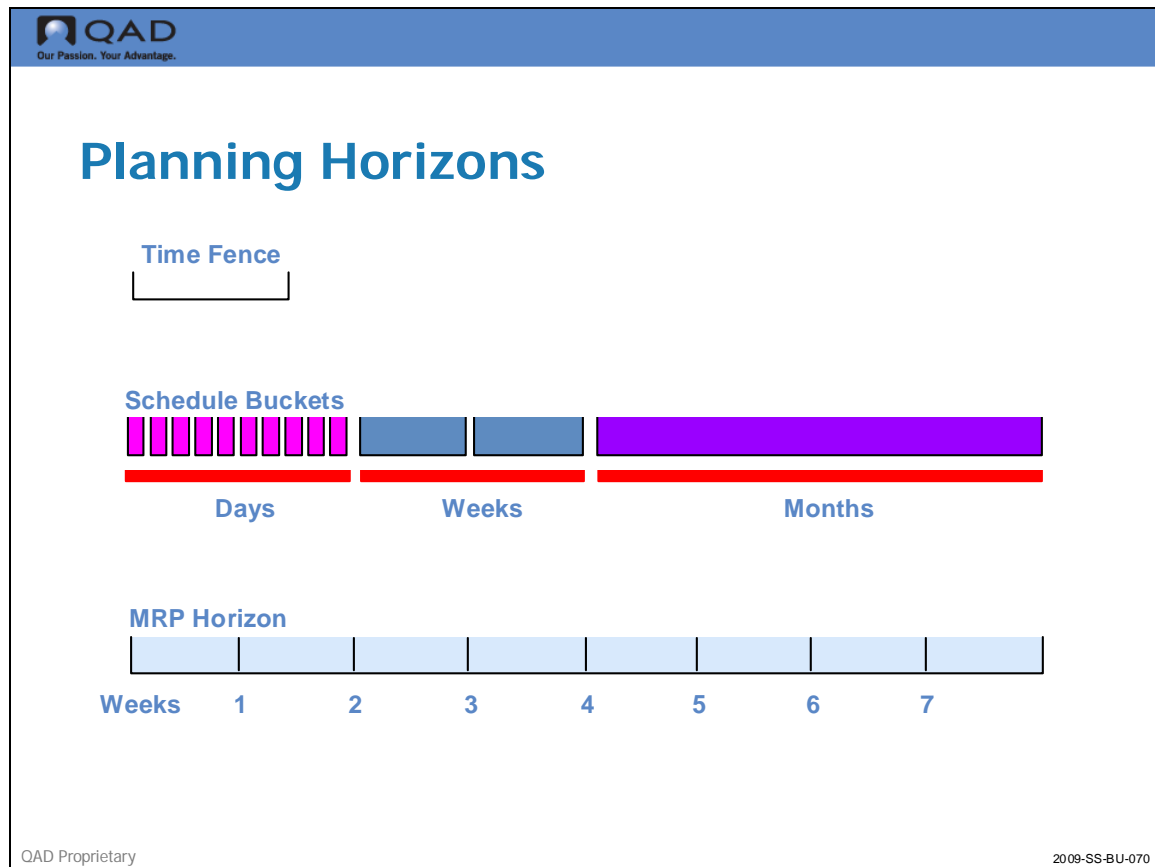
Setup Implications

- Price lists need to be set up in Price List Maintenance (1.10.2.1)

**Note** Amount type must be set to P (Price) to be used with supplier schedules.

- Scheduled Order Maintenance (5.5.1.13) needs to be set up to reflect the price list
- Supplier Maintenance (2.3.1) can be set up to reflect a price list for a particular supplier

## Planning Horizons



### Definition

A period, in calendar days, over which MRP is to plan. MRP processes material requirements only within this horizon.


The planning horizon determines how MRP plans or replans orders which are to be included in the scheduled release. It plans requirements only within its planning horizon.

### Functionality in QAD SE

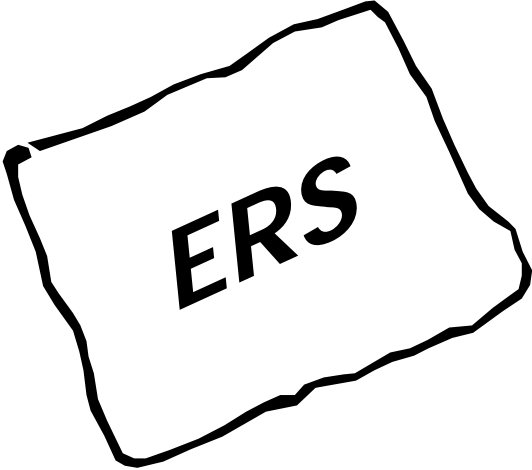
Planning horizon parameters are used by the system to generate the schedule. The schedule is seen by your supplier.

**Note** Scheduled Order Maintenance (5.5.1.13) needs to be set up to reflect the planning parameters for the scheduled order.

## Evaluated Receipts Settlement (ERS)



# Evaluated Receipts Settlement



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### Definition

ERS enables you to record a pending payment to a supplier without a supplier invoice. Liabilities to the supplier are recorded automatically, based on quantities received at the unit price established by you and the supplier in scheduled order agreements.

### Why Consider?

ERS offers the following benefits:

- Reduced clerical workload and costs
- Fewer lost and duplicate invoices
- Fewer discrepancies between invoices and receiving data
- Earlier availability to customer of actual cost data
- Reduced need for customer to accrue unaudited liabilities
- Reduced forms, mailing, and data transmission cost to supplier

### Functionality in QAD SE

ERS processing takes place when the shipper is received.

### Setup Implications:

- Run ERS Conversion

- Creates records for every site and supplier in the current database
- Set ERS fields in Accounts Payable Control File (28.24)
  - ERS Packing Slip Error
  - Update GL Average Cost
  - ERS Voucher Date Option
- ERS Maintenance (28.10.1)
  - Turns ERS processing on for supplier, site, and/or item
- Set ERS fields in Purchasing Control File (5.24)
  - ERS Processing
  - ERS Options
- Scheduled Order Maintenance (5.5.1.13)
  - Set ERS options at order level and at line item level

## Review



### Review

- ▲ Processes and Procedures
- ▲ Reporting Requirements
- ▲ Customer Expectations
- ▲ Product Configuration



Chapter 3

# **Set Up Supplier Schedules**



## Set up Supplier Schedules

In this section you learn how to:

- ▲ Identify key business considerations before setting up Supplier Schedules in QAD Standard Edition
- ▲ Set up Supplier Schedules in QAD Standard Edition
- ▲ Process Supplier Schedules in QAD Standard Edition
- ▲ Process Supplier Schedules Receipts in QAD Standard Edition

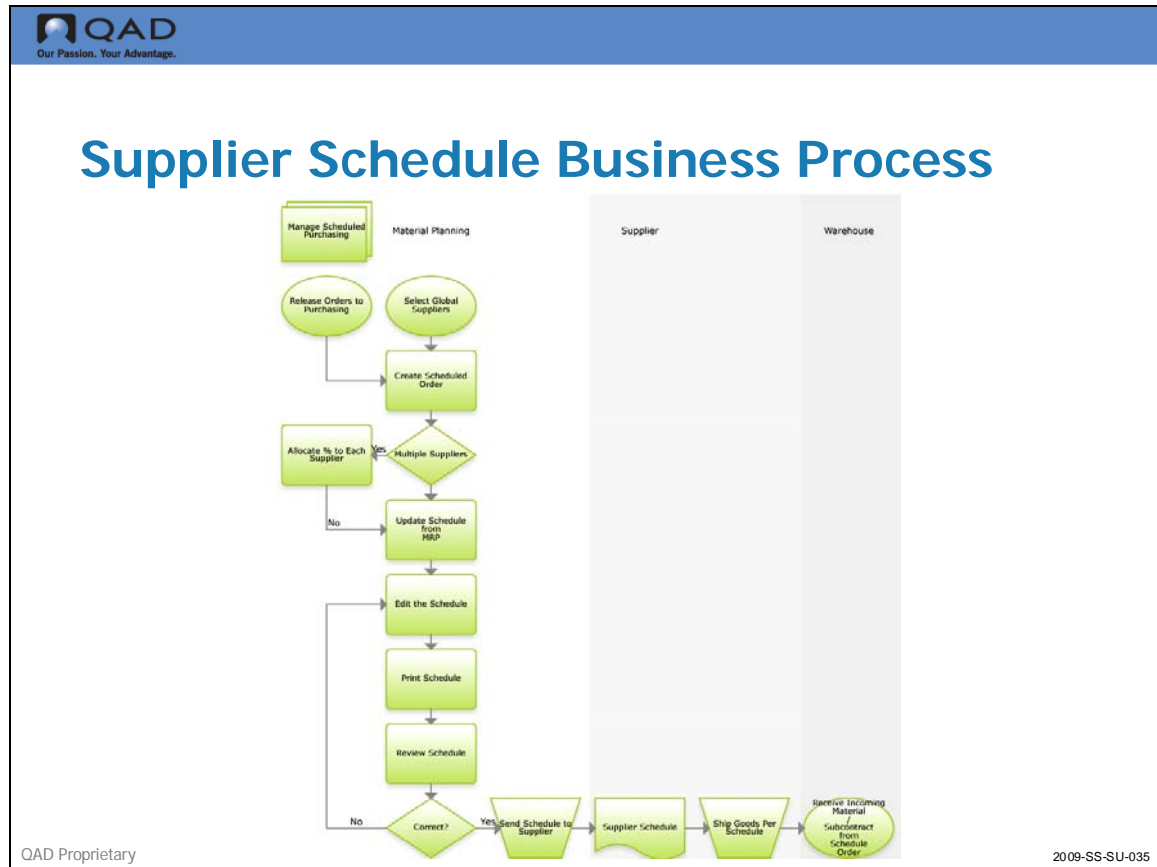
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2009-SS-SU-010

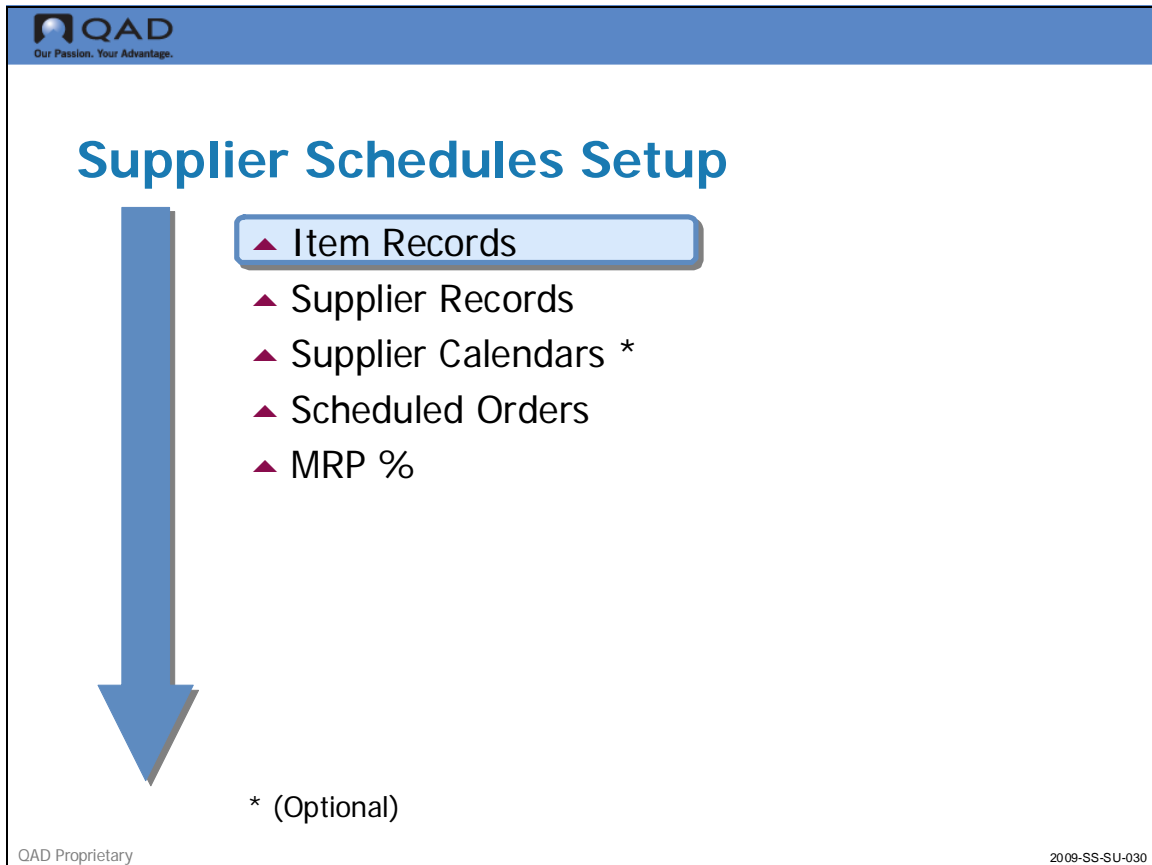
- Item Records
- Supplier Records
- Supplier Calendars (optional)
- Scheduled Orders
- MRP%

This illustration is a suggested setup sequence of master files for supplier schedules which is based on information that flows from one master file to another and prerequisites that need to be accomplished before setting up a file.

## Supplier Schedule Business Process



## Item Records



The screenshot shows the QAD logo at the top left with the tagline 'Our Passion. Your Advantage.' Below the logo, the title 'Supplier Schedules Setup' is displayed in a large blue font. To the left of the menu items is a large blue downward-pointing arrow. The menu items are listed as follows:

- ▲ Item Records (highlighted with a blue rounded rectangle)
- ▲ Supplier Records
- ▲ Supplier Calendars \*
- ▲ Scheduled Orders
- ▲ MRP %

At the bottom of the menu list, there is a note: \* (Optional). The bottom left corner of the screenshot contains the text 'QAD Proprietary' and the bottom right corner contains '2009-SS-SU-030'.

Before creating a scheduled order, item records must exist for all items and products you are purchasing. The Item Master file contains records for all items, regardless of site. Item records hold the default information about items.

MRP uses the item information to create planned purchase orders for scheduled items.

To add item records, use one of the following:

- Item Master Maintenance (1.4.1)
- Item Data Maintenance (1.4.3)

### Supplier Item Records

If your supplier uses an item number different from your internal item number, you can set up a cross-reference between the two item numbers. You can also reference the original manufacturer's number.

To add a cross-reference between a supplier item number and your internal item number, use Supplier Item Maintenance (1.19)

## Item Master Maintenance (1.4.1)

**Item Master Maintenance**

Item Number: 02-0005      Description: MECHANICAL PENCIL  
 Unit of Measure: EA      (5MM) BLISTER PACKED

**Item Data**

Prod Line: 1000      Item Type: FINGOOD      Drawing:  
 Added: 10/31/1990      Status:      Revision:  
 Design Group:      Group: CARDED      Drawing Loc:      Size:  
 Promo Group: PG5      Price Break Category:

**Item Inventory Data**

ABC Class: A      Average Interval: 90  
 Lot/Serial Control:      Cycle Count Interval: 30  
 Site: train      Shelf Life:  
 Location: 200      Allocate Single Lot:   
 Location Type:      Key Item:   
 Auto Lot Numbers:       PO Receipt Status:      Active:   
 Lot Group:      WD Receipt Status:      Active:   
 Article Number:

Delete    Back    Next

QAD Proprietary      **Item Master Maintenance (1.4.1)**      2009-SS-SU-040

Use Item Master Maintenance (1.4.1) to add an item number.

There are four categories of item information (data):

- General
- Inventory
- Planning
- Cost

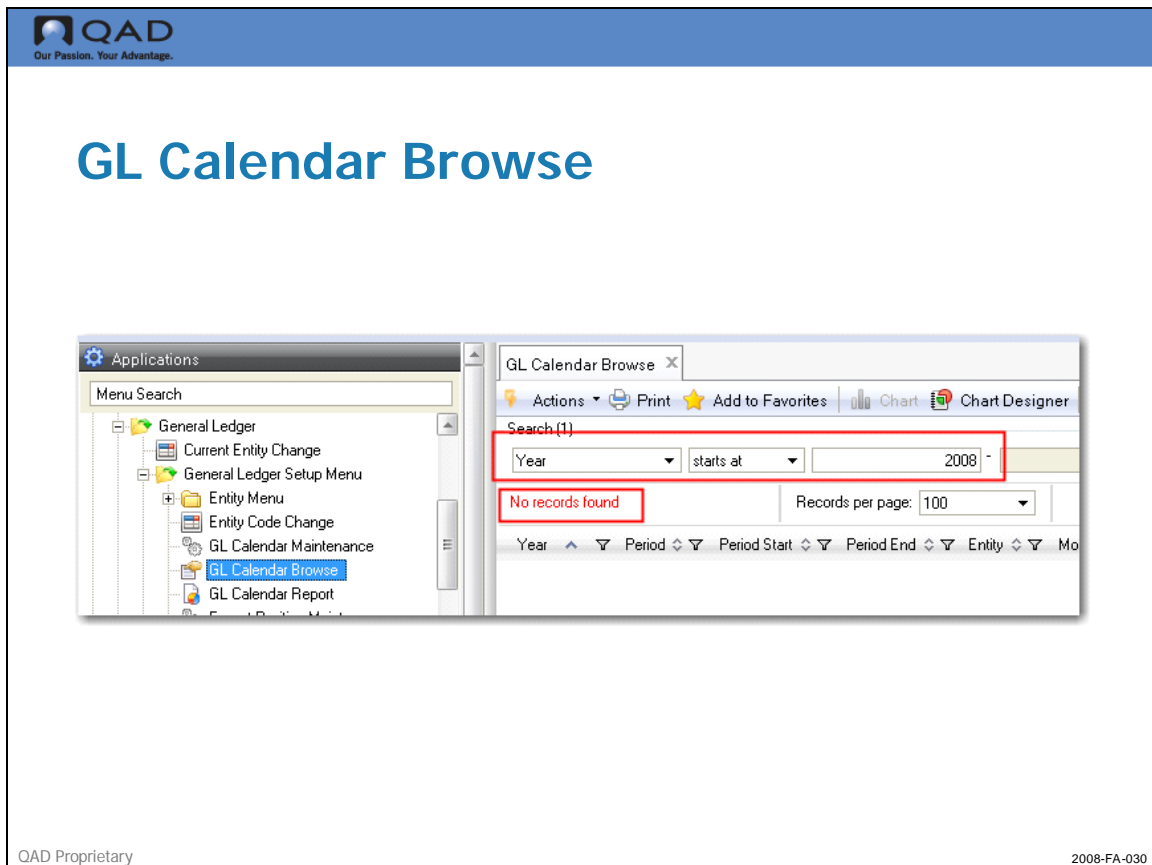
## First Activity for all SE Courseware

The screenshot displays the QAD Enterprise Applications interface. The title bar reads "live: Training (1) - QAD Enterprise Applications". The workspace menu is open, showing a list of applications including Australia, Australia2, Canada, Mexico, Training (1), and United States (2). The "Training (1)" option is highlighted with a red box. The main window shows the "GL Calendar Browse" application with a search filter set to "Year" and "starts at" 2008. The search results area displays "No records found".

QAD Proprietary 2008-FA-020

- 1 Verify Domain: From the workspace menu select Training.
  - a Note the domain name appears in the top window frame.
- 2 Verify default site. Use Inventory Control (3.24) to set default site to Train.

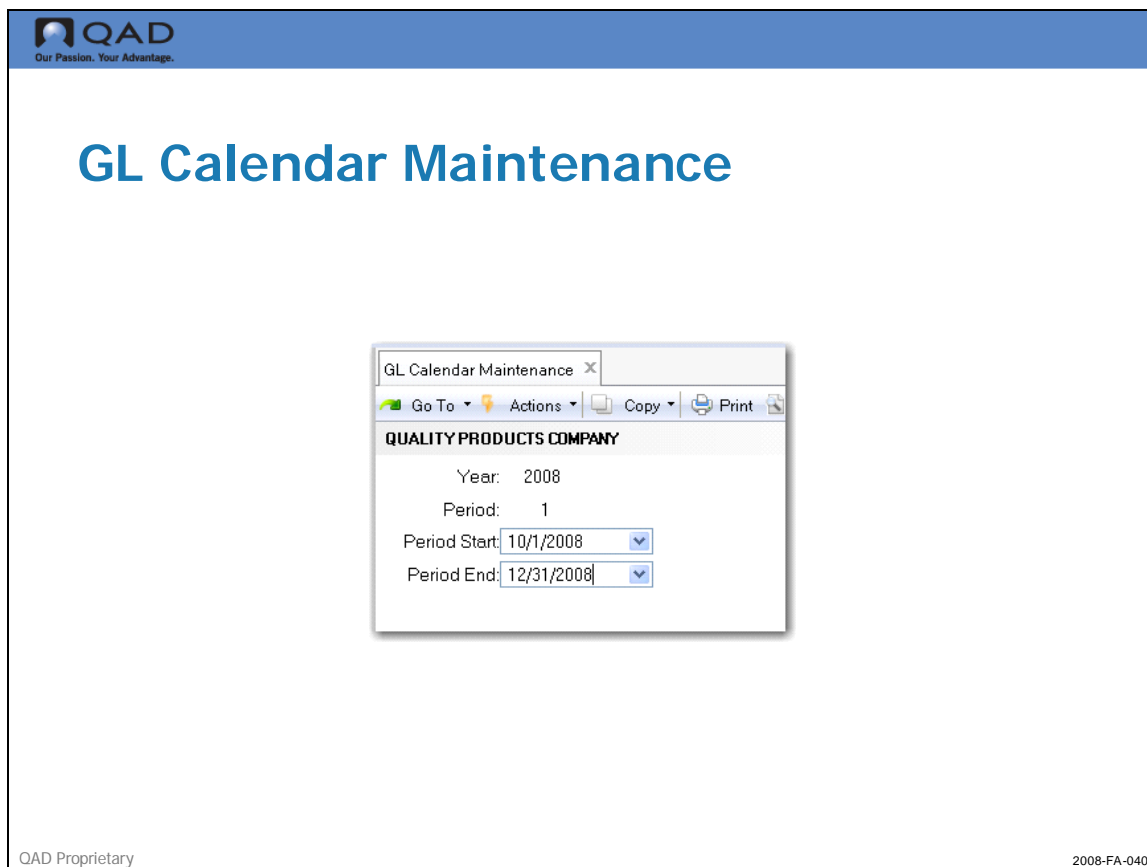
## GL Calendar Browse



### 3 Verify GL Calendar Period

- a Use GL Calendar Browse (25.3.5).
- b Start search at current year.
- c You should see a list of months for the current year.
- d If you find No Records continue to step three.

## GL Calendar Maintenance (25.3.4)



### Use GL Calendar Maintenance (25.3.4)

- 4 Enter the current year, then as a short cut enter one period whose dates will cover the term of your training.

## Exercise: Item Record

**Note** The data used in these exercises may not be the same as the data shown in the screen captures in this lesson. In an exercise, if a field is not listed, you can accept the default value or leave it blank.

Description: You are going to create a purchase part (item) number.

Use Item Master Maintenance (1.4.1)

- 1 To create the purchased item, enter the following:

Field	Data
Item Number	bx-0001
Description	Carton, 1g

- 2 Advance to the Item Data frame. Enter the following:

Field	Data
Product Line	1000
Promo Group	PG1
Item Type	COMP

- 3 Advance to the Item Inventory Data frame. Enter the following:

Field	Data
Location	100

Record the default site: \_\_\_\_\_

- 4 Advance to the Item Planning Data frame and enter the following:

Field	Data
Plan Orders	Y
Pur/Mfg	P
Pru LT	1

- 5 Advance to the Item Price Data frame. Enter the following:

Field	Data
Price	25

Next, you need to set up a price list for this item. Use Price List Maintenance (1.10.2.1)

- 6 Enter the following data.

Field	Data
Price List Code	5011000
Starting Date	<today>
Amount Type	P
Price	.15

Field	Data
Price List Code	5011000
Stating Date	<today>

## 36 Training Guide — Supplier Schedules

<b>Field</b>	<b>Data</b>
Amount Type	P
Price	.15

## Supplier Item Maintenance

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### Supplier Item Maintenance: Specification Frame

Supplier Item Maintenance
Go To Actions Copy Print Preview

Item Number: 10-10000 OASIS(TM) COOLING SYSTEM

Supplier: 5001000 METAL SUPPLY COMPANY

Supplier Item:

Unit of Measure: EA Reference only

Supplier Lead Time: 0

Use SO Reduction Price:  0.00%

Currency: USD

Quote Price: 0.00 Used if no price list entered on scheduled order

Quote Date: 1/22/2009

Quote Qty: 0.0

Price List:

Manufacturer:

Manufacturer Item:

Comment:

Delete Back Next

Supplier Item Maintenance (1.19)

QAD Proprietary
2009-SS-SU-060

When a PO is entered referencing this supplier item, optionally you can update the supplier-item data to reflect the new price if it has changed. Both the quote price and quote date are updated. The quote quantity does not change. You can choose to prevent this update, for example if the price is much higher than normal because of a rush delivery requirement.

- Both item numbers print on all communications to the supplier

## Specification Frames

Supplier Item Maintenance x

Go To Actions Copy Print Preview

Item Number: 10-10000 OASIS(TM) COOLING SYSTEM  
 Supplier: 5001000 METAL SUPPLY COMPANY  
 Supplier Item:

Unit of Measure: EA  
 Supplier Lead Time: 0  
 Use SO Reduction Price: 0.00%  
 Currency: USD  
 Quote Price: 0.00  
 Quote Date: 1/22/2009  
 Quote Qty: 0.0  
 Price List:

Manufacturer: DOW  
 Manufacturer Item: GE-90000-21  
 Comment:

Used for reference only

Delete Back Next

Supplier Item Maintenance (1.19)

QAD Proprietary 2009-SS-SU-070

**Note** Purchase order item numbers can have a maximum length of 18 characters

- When you set up a supplier item number, you can enter either item number (your internal item number or the supplier item number) on an order
- If you enter the supplier item number, the system automatically substitutes your internal item number

## Exercise: Supplier Item

**Note** The data used in these exercises may not be the same as the data shown in the screen captures in this lesson. In an exercise, if a field is not listed, you can accept the default value or leave it blank.


Description: Your supplier, Dixon Corporation, uses their own item number, so you need to set up a cross reference between your internal item number and your supplier's item number. You are also going to create a manufacturer's reference.

- 1 To create the cross-reference, enter the following data. Use Supplier Item Maintenance (1.19)


<b>Field</b>	<b>Data</b>
Item Number	bx-0001
Supplier	5011000
Supplier Item	Box100

- 2 Advance to the Specification frame. You are now going to create a reference to the original manufacturer and their item number:

## Supplier Records



### Supplier Schedules Setup



- ▲ Item Records
- ▲ Supplier Records
- ▲ Supplier Calendars \*
- ▲ Scheduled Orders
- ▲ MRP %

\* (Optional)

QAD Proprietary 2009-SS-SU-090

Field	Data
Manufacturer	Boxer
Manufacture Item	Item

Before a supplier schedule can be created, you must have a supplier record for each of your suppliers. This record contains supplier information used by the system.

This information is used in:

- Purchase Orders
- Accounts Payable

Supplier records contain static and control information.

- Static information is used for reporting purposes
  - Address
- Control information determines how supplier orders and accounts are processed
  - Accounts payable
  - Currency

## Supplier Address Frame

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## Supplier Maintenance: Supplier Address Frame

Supplier Maintenance X

Go To Actions Copy Print Preview

**Supplier Address**

Supplier: 5001000 Temporary:

Name: METAL SUPPLY COMPANY

Address: 720 EAST COLLEGE AVENUE

Address: BUILDING B-2

Address:

City: LOS ANGELES State: CA Post: 90293 Format: 0

Country: United States of America USA County:

Attention: MR. RICHARD AVERY (2) MR. RALPH HUTTON

Telephone: 213-923-0392 Ext: (2) Ext:

Fax/Telex: 213-923-0022 (2) Added: 6/14/1987

**Supplier Data**

Sort Name: METAL SUPPLY COMPANY

Type:

Pur Acct: 5100

AP Account: 2100

Ship Via: CONSOLIDATED

Remarks: LIMITED SHIPPING HOURS (SEE COMMENTS)

Delete Back Next

*Supplier Maintenance (2.3.1)*

QAD Proprietary 2009-SS-SU-100

The Supplier Maintenance (2.3.1) address frame contains the supplier's address and contact information.

## Supplier Data Frames

**Supplier Maintenance X**

Go To Actions Copy Print Preview

**Supplier Address**

Supplier: 5001000 Temporary:

Name: METAL SUPPLY COMPANY

Address: 720 EAST COLLEGE AVENUE

Address: BUILDING B-2

Address:

City: LOS ANGELES State: CA Post: 90293 Format: 0

Country: United States of America USA County:

Attention: MR. RICHARD AVERY (2): MR. RALPH HUTTON

Telephone: 213-923-0392 Ext: (2): Ext:

Fax/Telex: 213-923-0022 (2): Added: 6/14/1987

**Supplier Data**

Sort Name: METAL SUPPLY COMPANY

Type:

Pur Acct: 5100

AP Account: 2100

Ship Via: CONSOLIDATED

Remarks: LIMITED SHIPPING HOURS (SEE COMMENTS)

Delete Back Next

*Supplier Maintenance (2.3.1)*

QAD Proprietary 2009-SS-SU-100

There are two supplier data frames. In the first frame you enter GL account and shipping data. In the second, you enter banking, currency, language, and additional contact information.

## Supplier Data Frames

**Supplier Maintenance X**

Go To Actions Copy Print Preview

**Supplier Address**

Supplier: 5001000 Temporary:

Name: METAL SUPPLY COMPANY

Address: 720 EAST COLLEGE AVENUE

Address: BUILDING B-2

Address:

City: LOS ANGELES State: CA Post: 90293 Format: 0

Country: United States of America USA County:

Attention: MR. RICHARD AVERY [2]: MR. RALPH HUTTON

Telephone: 213-923-0392 Ext: [2] Ext: [2]

Fax/Telex: 213-923-0022 [2] Added: 6/14/1987

**Supplier Data**

Bank: AA

Currency: USD

Purchase Contact: HOLLY JONES

AP Contact: FRANK MITCHELL

Promotion Group:

Check Form: 1

Language: US

Misc Creditor:

Carrier:

Kanban Supplier:

Back Next

*Supplier Maintenance (2.3.1)*

QAD Proprietary 2009-SS-SU-110

Enter the pricing information for this supplier.

- The discount table entered here becomes the default for the supplier on the scheduled order

**Note** Scheduled orders can use only discount tables set up as a type P (Price) price list.

## Supplier Pricing Data Frame

**Supplier Maintenance**

Go To Actions Copy Print Preview

**Supplier Address**

Supplier: 5001000 Temporary:

Name: METAL SUPPLY COMPANY

Address: 720 EAST COLLEGE AVENUE

Address: BUILDING B-2

Address:

City: LOS ANGELES State: CA Post: 90293 Format: 0

Country: United States of America USA County:

Attention: MR. RICHARD AVERY [2]: MR. RALPH HUTTON

Telephone: 213-923-0392 Ext: [2] Ext:

Fax/Telex: 213-923-0022 [2] Added: 6/14/1987

**Supplier Pricing Data**

Buyer: JJ

Price Table:

Discount Table:

Fixed Price:

Create in Price List Maintenance (1.10.2.1)

Back Next

*Supplier Maintenance (2.3.1)*

QAD Proprietary 2009-SS-SU-120

Use the Supplier Terms Data frame to enter information defining the type of credit this supplier has with your company.

**Note** The credit terms code entered here becomes the default for this supplier on all scheduled orders.

## Supplier Terms Data Frame

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# Supplier Maintenance: Supplier Terms Data Frame

Supplier Maintenance x

Go To Actions Copy Print Preview

**Supplier Address**

Supplier: 5001000 Temporary:

Name: METAL SUPPLY COMPANY

Address: 720 EAST COLLEGE AVENUE

Address: BUILDING B-2

Address:

City: LOS ANGELES State: CA Post: 90293 Format: 0

Country: United States of America USA County:

Attention: MR. RICHARD AVERY [2]: MR. RALPH HUTTON

Telephone: 213-923-0392 Ext: [2]: Ext: [2]:

Fax/Telex: 213-923-0022 [2]: Added: 6/14/1987

**Supplier Terms Data**

Cr Terms: 2/10-30 ↩ Taxable:  Tax ID: TID Notice:

Disc Pct: 0.00% Prepayment Balance:

CoC Number:  Debtor Number:

Partial DK:  Tax Report:

Payment Hold:  Pay Specification:

DB Number:

Create in Credit  
Terms Maintenance (2.19.1)

Back Next

*Supplier Maintenance (2.3.1)*

QAD Proprietary
2009-SS-SU-130

## Supplier Bank Accounts Frame

**Supplier Maintenance**

Go To Actions Copy Print Preview

**Supplier Address**

Supplier: 5001000 Temporary:

Name: METAL SUPPLY COMPANY

Address: 720 EAST COLLEGE AVENUE

Address: BUILDING B-2

Address:

City: LOS ANGELES State: CA Post: 90293 Format: 0

Country: United States of America USA County:

Attention: MR. RICHARD AVERY [2]: MR. RALPH HUTTON

Telephone: 213-923-0392 Ext: [2]

Fax/Telex: 213-923-0022 Ext: [2] Added: 6/14/1987

**Bank Accounts**

Bank	Acct Type	EDI	Branch	Bank Account	Begin Date	End Date
BDA						

Back Next


*Supplier Maintenance (2.3.1)*

QAD Proprietary 2009-SS-SU-140


Use this frame to set up the banks used by your supplier to receive payments from your company.

**Note** Used with EFT (electronic funds transfer) and EDI.

## Supplier Primary and Remit-To Addresses



### Supplier Schedules Setup



- ▲ Item Records
- ▲ **Supplier Records**
  - Supplier Primary Address
  - Supplier Remit-To Address
- ▲ Supplier Calendars \*
- ▲ Scheduled Orders
- ▲ MRP %

\* (Optional)

QAD Proprietary 2009-SS-SU-150

Create a supplier remit-to address if the supplier wants to receive payments at an address different from the primary supplier address (created in Supplier Maintenance (2.3.1)).

**Note** There can be only one remit-to address per supplier.

Remit-To Supplier Maintenance (2.3.13)

**Remit-To Supplier Maintenance**

Supplier: 5001000  
 Name: METAL SUPPLY COMPANY  
 Address: 720 EAST COLLEGE AVENUE  
 Address: BUILDING B-2  
 City: LOS ANGELES State: CA Post: 90293 Format: 0  
 Country: United States of America USA County:  
 Attention: MR. RICHARD AVERY Telephone: 213-923-0392 Ext:

**Supplier Remit-To**


Code: 50010001  
 Name: METAL SUPPLY COMPANY  
 Address: ATTN: ACCOUNTS RECEIVABLE  
 Address: 720 EAST COLLEGE AVENUE  
 Address: P.O. BOX 509  
 City: LOS ANGELES State: CA Post: 90293 Format: 0  
 Country: United States of America USA County:  
 Attention: MS. HOLLY FAIRCHILD  
 Telephone: Ext:

QAD Proprietary 2009-SS-SU-160


Use Remit-To Supplier Maintenance (2.3.13) address to set up a remit-to address for a supplier.

- If a remit-to address exists for a supplier, then all payments go to this address
- The remit-to address cannot be overridden manually

## Supplier Calendars



### Supplier Schedules Setup



- ▲ Item Records
- ▲ Supplier Records
- ▲ **Supplier Calendars \***
- ▲ Scheduled Orders
- ▲ MRP %

\* (Optional)

QAD Proprietary 2009-SS-SU-170

QAD SE allows you to set up calendars matching your supplier's work schedule.

- Need to set up a supplier calendar if your supplier work schedule is different than yours
- Maintain a supplier calendar for those suppliers from whom you pick up shipments
  - Schedule Update from MRP (5.5.3.1) uses the supplier calendar to calculate shipment dates, back-scheduling requirements if the initial due date is not a work day for the supplier
- If there is no supplier calendar, the system uses your calendar

## Supplier Calendar Maintenance (5.5.1.1)

Supplier Calendar Maintenance

Supplier: 5001000 METAL SUPPLY COMPANY

Sunday:	<input type="checkbox"/>	0.00
Monday:	<input checked="" type="checkbox"/>	8.00
Tuesday:	<input checked="" type="checkbox"/>	8.00
Wednesday:	<input checked="" type="checkbox"/>	8.00
Thursday:	<input checked="" type="checkbox"/>	8.00
Friday:	<input checked="" type="checkbox"/>	8.00
Saturday:	<input type="checkbox"/>	0.00

Operating Day Hour Exceptions

Refer: **Non-Operating Days**

Date:

Description:

Back Next

QAD Proprietary Supplier Calendar Maintenance (5.5.1.1) 2009-SS-SU-180

Use Supplier Calendar Maintenance to set up a supplier calendar.

- Useful when a supplier has a work schedule different from your company's work schedule
- Specify your supplier's work days and their hours of operation

**Note** MRP calculations are not affected by the supplier hours; they are for your information.

### Operating Day Hour Exceptions Frame

- Exceptions to the supplier's calendar, such as shutdowns

### Non-Operating Days Frame

- Use to define exceptions Holidays
- Access this field by clicking Back


## Exercise: Supplier Calendar

The Dixon Corporation has a work schedule different from your work location. Therefore, you need to set up a supplier calendar.


Use Supplier Calendar (5.5.1.1)

- 1 Supplier 5011000 operates two shifts Monday through Friday for a total of 16 hours per day. They also operate on Saturday for 4 hours.
- 2 They have a shutdown from July 1 through July 14.

## Scheduled Orders



### Supplier Schedules Setup



- ▲ Item Records
- ▲ Supplier Records
- ▲ Supplier Calendars \*
- ▲ **Scheduled Orders**
- ▲ MRP %

\* (Optional)

QAD Proprietary 2009-SS-SU-200

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## Scheduled Order Maintenance: Order Data Frame

Scheduled Order Maintenance X

Go To Actions Copy Print Preview

Purchase Order: P0011000 Supplier: 5011000 DIXON CORPORATION

**Order Data**

AP Account: 2100  
 Taxable:   
 Credit Terms: 30/60/90  
 Bill-To Address: 10000000  
 Ship-To Address: 10000000  
 Print Schedules:   
 EDI Schedules:   
 Fax Schedules:   
 A/P Site:   
 Consignment:

Ship Via: RODEWAY  
 FOB:   
 Buyer: JJ  
 Contact: WESLEY THOMAS  
 Contract:   
 Currency: USD  
 Comments:   
 Import/Export:

Defaults from Trading Partner Parameters Maintenance 35.1

Back Next

*Scheduled Order Maintenance (5.5.1.13)*

QAD Proprietary 2009-SS-SU-210

A scheduled order is like a purchase order in that it communicates demand to a supplier and receipts are processed against it. The difference is that each line item has multiple due dates and order quantities.

**Note** A scheduled order does not have delivery dates or times.

Scheduled Order Maintenance (5.5.1.13)

**Scheduled Order Maintenance: Order Data Frame**

Purchase Order: P0011000      Supplier: 5011000      DIXON CORPORATION

**Order Data**

AP Account: 2100  
Taxable:   
Credit Terms: 30/60/90  
Bill-To Address: 10000000  
Ship-To Address: 10000000  
Print Schedules:   
EDI Schedules:   
Fax Schedules:   
A/P Site:   
Consignment:

Ship Via: RODEWAY  
FOB:   
Buyer: JJ  
Contact: WESLEY THOMAS  
Contract:   
Currency: USD  
Comments:   
Import/Export:

Defaults from Trading Partner Parameters Maintenance 35.1

Back      Next

*Scheduled Order Maintenance (5.5.1.13)*

QAD Proprietary 2009-SS-SU-210

## Tax Data Frame

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## Scheduled Order Maintenance: Tax Data Frame

Scheduled Order Maintenance X

Go To Actions Copy Print Preview

Purchase Order: P0011000 Supplier: 5011000 DIXON CORPORATION

**Order Data**

AP Account: 2100  
 Taxable:  Ship Via: RODEWAY

Credit Terms: 30/60/90  
 Bill-To Address: 10000000  
 Ship-To Address: 10000000

Print Schedules:   
 EDI Schedules:  Currency: USD  
 Fax Schedules:  Comments:   
 A/P Site: \_\_\_\_\_ Import/Export:

AP Account: 2100  
 Taxable:  Ship Via: RODEWAY

Credit Terms: 30/60/90  
 Bill-To Address: 10000000  
 Ship-To Address: 10000000

Print Schedules:  Tax Usage: 2-P-RSL  
 EDI Schedules:  Tax Environment: USA/USA  
 Fax Schedules:  Currency: USD  
 A/P Site: \_\_\_\_\_ Comments:  .EY THOMAS  
 Consignment:  Import/Export:

Back Next

*Scheduled Order Maintenance (5.5.1.13)*

QAD Proprietary 2009-SS-SU-220

Use this frame to enter the tax information for the order.

## ERS Options in Order Header

The screenshot shows the 'Scheduled Order Maintenance' window with the following data:

Purchase Order: P0010001      Supplier: 5011000      DIXON CORPORATION

**Order Data**

AP Account: 2100  
 Taxable:       Ship Via: RODEWAY  
 Credit Terms: 30/60/90      FOB:  
 Bill-To Address: 10000000      Buyer: JJ  
 Ship-To Address: 10000000      Contact: WESLEY THOMAS  
 Print Schedules:       Contract:  
 EDI Schedules:       Currency: USD  
 Fax Schedules:       Comments:  
 A/P Site:  
 Consignment:       Import/Export:

ERS Option: 1  
 ERS Price List Option: 0

Buttons: Back, Next

QAD Proprietary      *Scheduled Order Maintenance (5.5.1.13)*      2009-SS-SU-230

If ERS processing is activated (ERS Processing set to Yes in Purchase Control File (5.24)), the ERS options in the order header frame display after the tax data frame.

- ERS processing does not take place until the shipper is received

**Note** If ERS Maintenance (28.10.1) settings affecting an existing scheduled order are changed, you must manually update the scheduled order based on the new settings.

## Line Item Frame

**Scheduled Order Maintenance: Line Item Frame**

Purchase Order: P0011000      Supplier: 5011000      DIXON CORPORATION

Item Number:

Ship-To Site:       Line:

[Back](#)      [Next](#)

*Scheduled Order Maintenance (5.5.1.13)*

QAD Proprietary      2009-SS-SU-240

The first frame in Scheduled Order Maintenance (5.5.1.13) is the Line Item frame. This is where you identify what is being purchased (ordered) from the supplier and where it is to be delivered.



## ERS Options in Order Line Item

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## Scheduled Order Maintenance: ERS Options in Order Line Item

Scheduled Order Maintenance

Go To Actions Copy Print Preview

Purchase Order: P0010001 Supplier: 5011000 DIXON CORPORATION

Item Number: bx-0001 BX:100  
Carton 1g

Ship-To Site: train Line: 1

**Order Line Item Data**

Discount Tbl: Unit Cost: 0.00 Update Current Cost:  Location: 100  
Pur Acct: 5100 Taxable:  ERS Option: 1 Unit of Measure: EA  
Type:  ERS Price List Option: 0 UM Conversion: 1.0000  
Consignment:  Work Order ID: Operation: 0  
Revision: Subcontract Type:

Back Next

*Scheduled Order Maintenance (5.5.1.13)*

QAD Proprietary 2009-SS-SU-260

If ERS processing is activated (ERS Processing set to Yes) in Purchase Control File (5.24), the ERS options at the order line frame displays after the first Order Line Item Data frame.

- ERS processing does not take place until the shipper is received

**Note** If ERS Maintenance (28.10.1) settings affecting an existing scheduled order are changed, you must manually update the scheduled order based on the new settings.

## Second Order Line Item Data Frame

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### Scheduled Order Maintenance: First Order Line Item Data Frame

Scheduled Order Maintenance
X

Go To Actions Copy Print Preview

Purchase Order: P0010001	Supplier: 5011000	DIXON CORPORATION
Item Number: bx:0001	BQX:100	
Ship-To Site: train	Carton 1g	
		Line: 1

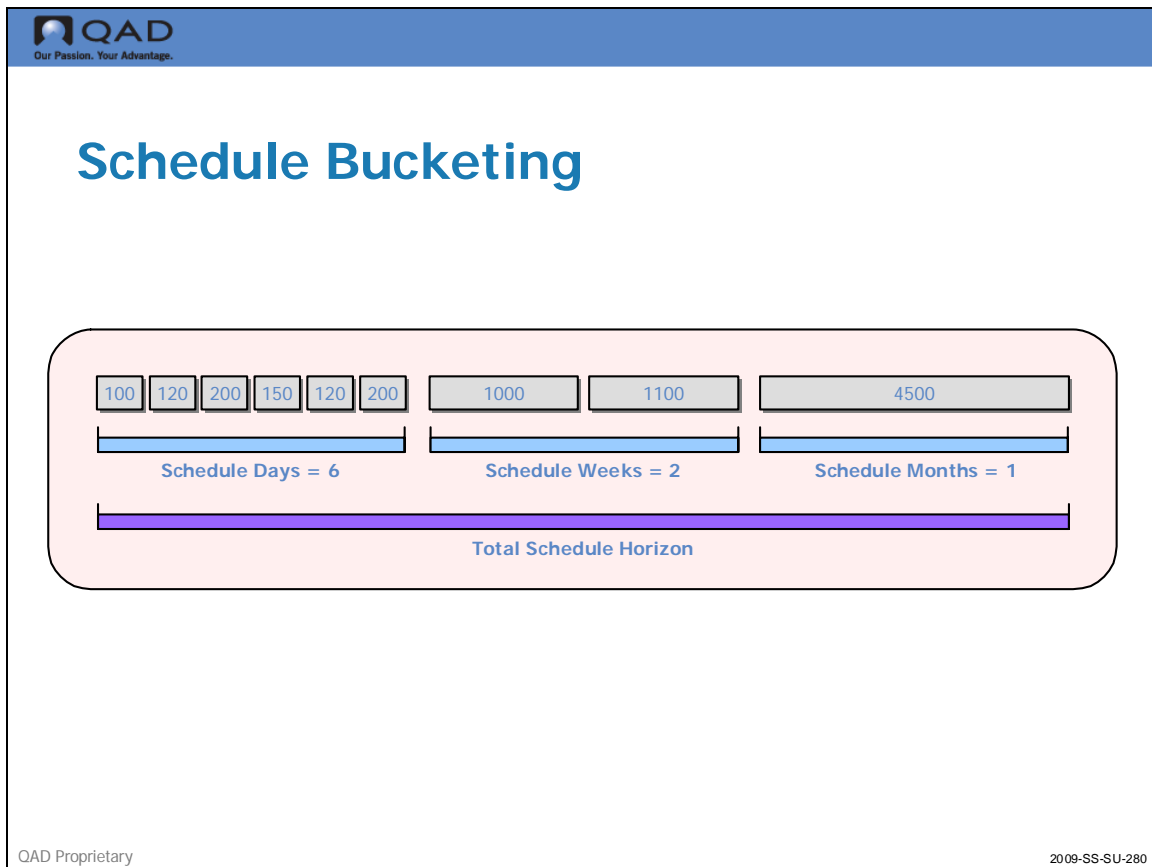
**Order Line Item Data**

Discount Tbl: <input type="text"/>	Update Current Cost: <input type="checkbox"/>
Unit Cost: <input type="text" value="0.00"/>	Location: <input type="text" value="100"/>
Pur Acct: <input type="text" value="5100"/> <input type="text" value="0100"/>	Unit of Measure: <input type="text" value="EA"/>
Taxable: <input type="checkbox"/>	UM Conversion: <input type="text" value="1.0000"/>
Type: <input type="text"/>	Work Order ID: <input type="text"/>
Consignment: <input type="checkbox"/>	Operation: <input type="text" value="0"/>
Revision: <input type="text"/>	Subcontract Type: <input type="text"/>

QAD Proprietary
Scheduled Order Maintenance (5.5.1.13)
2009-SS-SU-250

This frame contains information used to record data that impacts the requirements and schedules generated for the line items.

## Schedule Bucketing



A spreadsheet used to show resource loadings by time period. Typically using monthly buckets.

## Exercise: Creating Demand and Scheduled Orders

**Note** The data used in these exercises may not be the same as the data shown in the screen captures in this lesson. In an exercise, if a field is not listed, you can accept the default value or leave it blank.

You are going to create a forecast for item number bx-0001. Then you are going to run MRP to create the demand (i.e., create the work orders).

- 1 Starting with next week, enter a 12-week forecast, using 100 of item bx-0001 per week.  
Use Forecast Maintenance (22.1)
- 2 Run selective MRP for your item number and site, accepting the defaults.  
Send the output to your printer. If you do not have a printer, set the output to a file name such as Page.  
Use Selective Materials Plan (23.3)
- 3 Review the MRP results. You should have some planned work orders (designated WO) on the supply side.  
Use MRP Planned Order Browse (23.9), MRP Summary Inquiry (23.13) or MRP Detail Inquiry (23.16)

You are now ready to create the scheduled order for supplier 5011000.


- 1 You are going to set up the order data for this supplier schedule. Let the system assign the purchase order number.  
Record the purchase order number: \_\_\_\_\_  
Use Scheduled Order Maintenance (5.5.1.13)
- 2 Advance to the Order Data frame. Accept all the default information in the Order Data frame.  
Next, you are going to set up the order detail.
- 3 In the Item/Site frame, enter your item number, BX-0001 and receiving site, Train. Let the system assign the line number.  
When the system prompts you to copy data from another order line for this item, choose No.
- 4 In the first Order Line Item Data frame enter in the Disc Table field the price list code for your supplier, 5011000. Accept the remaining default information.
- 5 In the second Order Line Item data frame, enter the following:

Field	Data
Schedule Days	14
Schedule Weeks	6
Schedule Months	6
Fab Auth Days	30
Raw Auth Days	60
Transport Days	2
Ship/Dlvy Pattern	10 (any day Mon-Fri)


**Note** Note the defaults of the Supplier Item and Cum Start fields.

- 6 View the scheduled order details. Use Scheduled Order Inquiry (5.5.1.14) or Scheduled Order Report (5.5.1.15). Set the output to Page

## MRP%



### Supplier Schedules Setup



- ▲ Item Records
- ▲ Supplier Records
- ▲ Supplier Calendars \*
- ▲ Scheduled Orders
- ▲ MRP %

\* (Optional)

QAD Proprietary 2009-SS-SU-300

You need to determine how you want your scheduled requirements to be allocated across suppliers in a multi-sourcing environment.

- Even with a single source, you still need to determine the allocation

**Note** You would allocate 100% to the supplier.

- Schedule Update from MRP (5.5.3.1) uses these percentages to allocate MRP planned orders for the item among suppliers

## Scheduled Order MRP% Maintenance (5.5.1.17)

**Scheduled Order MRP % Maintenance**

Scheduled Order MRP % Maint

Go To Actions Copy Print Preview

Ship-To Site: T10000 Item Number: 02-0005 Effective: 1/22/2009

Purchase Order Percents	
Purchase Order	Percent
PO00001	

To phase in new percentages, enter same Ship-To Site and Item Number with a different Effective date

Back Next

Scheduled Order MRP % Maintenance (5.5.1.17)

QAD Proprietary 2009-SS-SU-310

Use Scheduled Order MRP% Maintenance (5.5.1.17) to distribute supply percentages between suppliers.

**Note** Use this function when you are phasing out one supplier and replacing them with a new one. You can control the percentages using the start from dates (Effective) while the new supplier takes on more load or finds the required quality levels.

### Exercise: Calculating Percentage

See Workshops and Study Questions for more practice.

You are now ready to calculate the percentage of MRP-planned orders to be scheduled using this supplier schedule.

- 1 Using today's date as your Effective date, enter 100% for your purchase order.  
Use Scheduled Order MRP% Maintenance (5.5.1.17).

Chapter 4

# **Process Supplier Schedules**

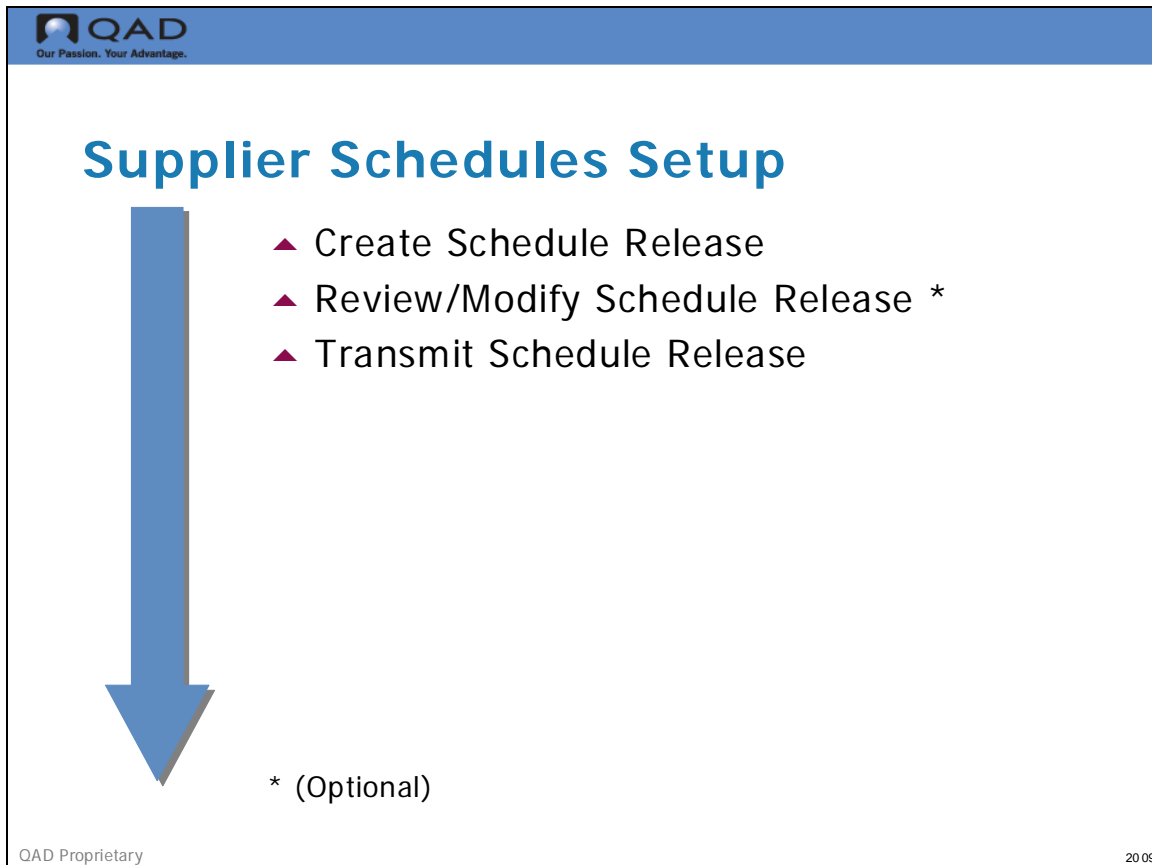


## Process Supplier Schedules

In this section you learn how to:

- ▲ Identify key business considerations before setting up Supplier Schedules in QAD Standard Edition
- ▲ Set up Supplier Schedules in QAD Standard Edition
- ▲ **Process Supplier Schedules in QAD Standard Edition**
- ▲ Process Supplier Schedules Receipts in QAD Standard Edition

## Supplier Schedules Setup



The diagram is enclosed in a blue header bar with the QAD logo and tagline 'Our Passion. Your Advantage.' on the left. Below the header, the title 'Supplier Schedules Setup' is centered in a large blue font. To the left of the list is a large blue downward-pointing arrow. The list contains three items, each preceded by a blue triangle bullet point. The second item includes an asterisk. Below the list, the text '\* (Optional)' is centered. At the bottom left of the diagram area, it says 'QAD Proprietary' and at the bottom right, '2009'.

**Supplier Schedules Setup**

- ▲ Create Schedule Release
- ▲ Review/Modify Schedule Release \*
- ▲ Transmit Schedule Release

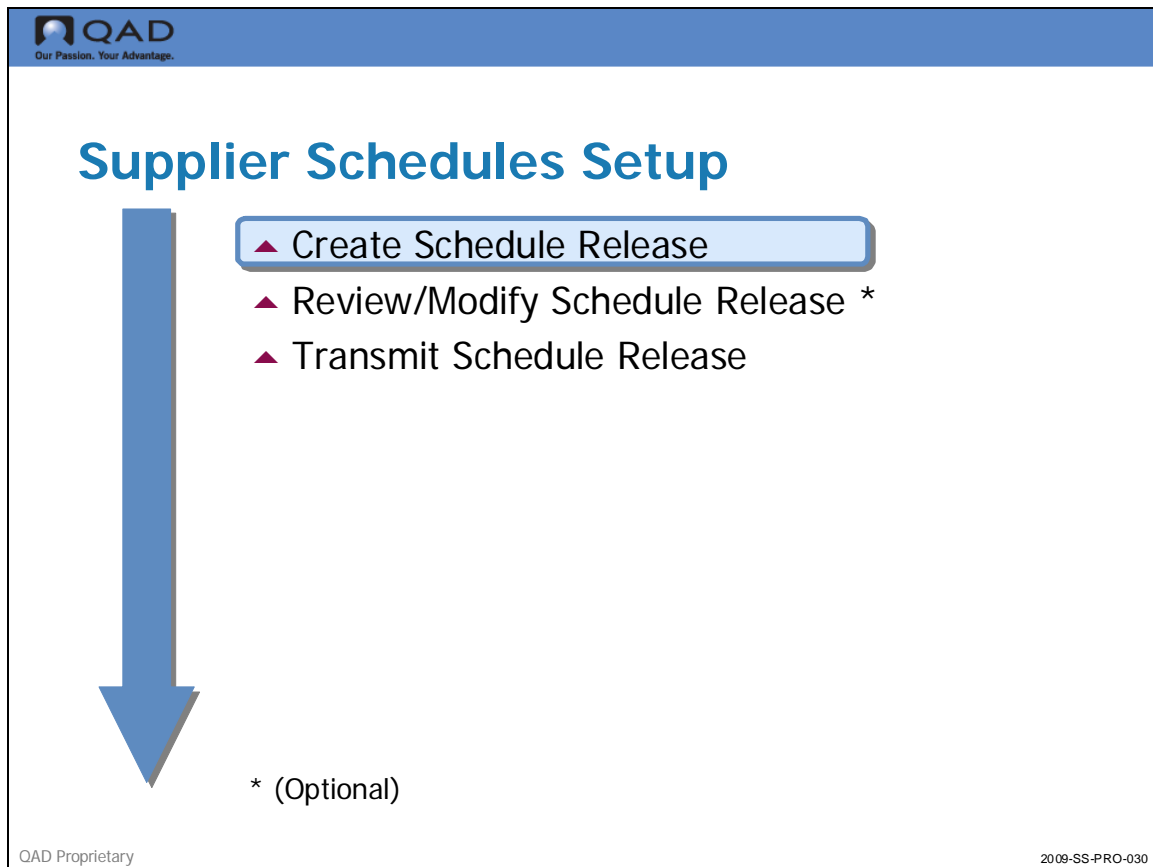
\* (Optional)

QAD Proprietary 2009

- 1 Create Schedule Release.
- 2 Review /Modify Schedule Release (optional).
- 3 Transmit Schedule Release.

This illustration is a suggested processing sequence of supplier schedules which is based on information that flows from one master file to another and prerequisites that need to be accomplished before setting up a file.

## Create Schedule Release



The screenshot shows the QAD logo at the top left with the tagline "Our Passion. Your Advantage." Below the logo is the title "Supplier Schedules Setup" in a large blue font. To the left of the menu items is a large blue downward-pointing arrow. The menu items are listed in a light blue rounded rectangle:

- ▲ Create Schedule Release
- ▲ Review/Modify Schedule Release \*
- ▲ Transmit Schedule Release

Below the menu items, the text "\* (Optional)" is displayed. At the bottom left of the screenshot, it says "QAD Proprietary" and at the bottom right, it says "2009-SS-PRO-030".

Once you have the MRP demand, you can take the MRP requirements and determine the due dates and quantities for each scheduled order item by supplier. With this information, you are ready to produce a new active schedule release.

- A release is a set of item quantities and requirement dates identified by a release ID number
- The release is what you send to your supplier

## Schedule Update from MRP (5.5.3.1)

**Schedule Update from MRP**

Schedule Update from MRP X

Go To Actions Copy Print Preview

Purchase Order: V3-1 To:

Item Number: To:

Ship-To: To:

Supplier: To:

Buyer: To:

Generate Planning Schedules:

Generate Shipping Schedules:

As-of Date: 1/26/2009 Monday

Calendar/Working Firm Days: Calendar

Report Detail/Summary: Summary

Update:

Output: page

Batch ID:

Back Next

*Schedule Update from MRP (5.5.3.1)*

QAD Proprietary 2009-SS-PRO-040


Use Schedule Update from MRP (5.5.3.1) to automatically create a new release of a supplier schedule.

Select the scheduled order(s) using one or more of the following:


- Purchase Order (scheduled order)
- Item Number
- Ship-To (receiving site)
- Supplier
- Buyer

To select all, leave the fields blank.

## Calculating the Schedule Release



### Supplier Schedules Setup



- ▲ Create Schedule Release
- Calculating the Schedule Release
- ▲ Review/Modify Schedule Release \*
- ▲ Transmit Schedule Release

\* (Optional)

QAD Proprietary 2009-SS-PRO-050

Using the selection criteria you enter, Schedule Update from MRP:

- Locates all planned orders from MRP for the selected items
- Looks at the scheduled order for the supplier and adjusts the quantities and due dates using the scheduled order's parameters

**Note** These parameters are set in the Order Line Item Data frame of Scheduled Order Maintenance.

In calculating the schedule release, Schedule Update from MRP performs the following calculations.

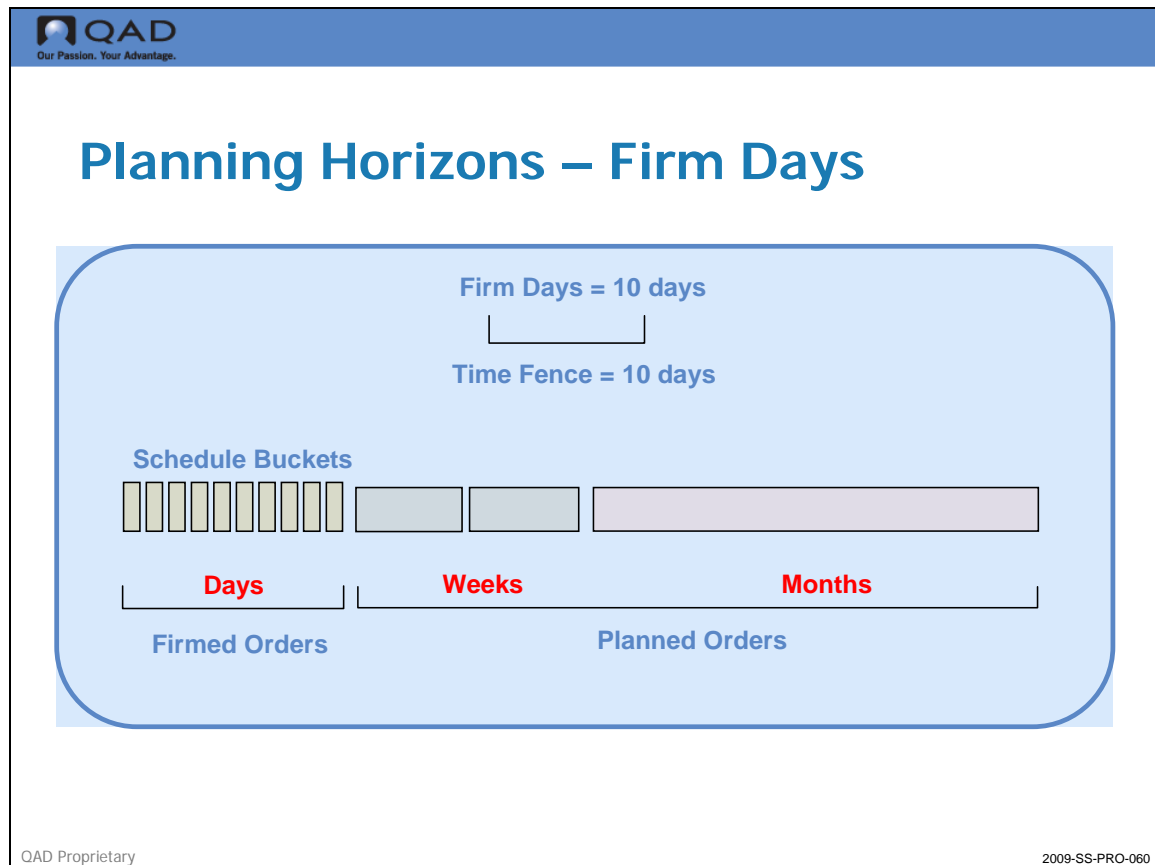
- Back-schedules for safety days from planned order due dates
- Back-schedules for ship/delivery pattern from safety day schedule
- Back-schedules for supplier calendar from ship/delivery date
- Distributes the requirements among the suppliers using the percentages specified in Schedule Order MRP% Maintenance (5.5.1.17)
- Revises net required (i.e., open, not scheduled) quantities to standard pack quantity multiples
- Displays any unfulfilled prior cumulative requirements
- Creates the release
- Assigns a Release ID

**Note** In Purchasing Control File (5.24), if Generate Date Based Release ID is set to Yes, a newly created release gets a release number with a format of YYYYMMDD-nnn, otherwise it gets the usual 6-digit serial number.

- Determines whether quantities are firm (i.e., within the Firm Days time fence) or planned
- Displays fabrication and raw authorization quantities and the start and end dates

**Note** Each time you run Schedule Update from MRP, all or part of the schedule is replaced depending on the Firm Days field value.

## Planning Horizons - Firm Days



The setting of the Firm Days field in Scheduled Order Maintenance (5.5.1.13) affects the calculation of the schedule release. Because you are sending order quantities and planning data to your supplier, you define requirements as either firmed or planned quantities. You can send all firm, all planned, or some of both types of requirements. The value of the Firm Days field for the scheduled order line item defines the time fence and consequently determines the order status.

Schedule Update from MRP automatically applies firm status to any requirements falling within the time fence set by the Firm Days field. All planned orders outside this time fence are approved, but maintained as planned requirements. In other words, they are not seen by MRP as sources of supply and can be replanned.

When creating a new schedule release, Schedule Update from MRP does the following:

- Checks for an active schedule release with unreceived firm requirements

If one exists:

- The firm requirements are carried forward to the new release
- Firm requirements prior to the beginning date of the new schedule release (as of date) are maintained as prior cumulative requirements (Prior Cum Req)
- Accesses MRP planned order information and adds it to the new schedule release, starting one day after the end of the firm time period of the old schedule release
  - Firms any planned orders falling within the Firm Days time fence

When MRP is run again, it plans or replans orders for scheduled requirements that are now within its planning horizon. Once a schedule is created with firm data in it, MRP does not generate planned requirements with dates falling within the Firm Days time fence of the schedule release. However, if there is an increase or decrease in demand, the following occurs:

- If increased demands create additional requirements within the Firm Days time fence, MRP creates planned orders in that time period
- When you regenerate the schedule release, the system does not select any planned orders falling within the Firm Days time fence covered by a schedule
  - The warning message Order not selected displays
- If decreased demand decreases requirements, MRP sees the supply as excessive and produces action messages
  - Action messages recommend what action a master scheduler should take to balance supply and demand

You can set the Firm Days field to a positive value or zero (0).

#### Positive Value

##### Schedule Update from MRP:

- Generates firm requirements for a new schedule release
- Carries forward outstanding firm requirements to new schedule releases
  - Firm requirements are visible to MRP as scheduled supply

#### Zero (0) Value

##### Schedule Update from MRP does not:

- Generate firm requirements for a new schedule release
- Carry forward any requirements from previous schedule releases

If 0, the update process generates each new schedule release from MRP planned data.

- All data is designated as planned
- Data designated as planned is not visible to MRP

The update process sets the prior cumulative requirements (Prior Cum Req) to the current value of the cumulative received (Cum Received). If any planned order has a requirement date falling before the beginning date of the schedule release, it is added to the prior cumulative requirements.

**Note** To avoid schedule discrepancies between printed bucketed schedules and the actual required schedule, firm days should never exceed the number of days specified in the Schedule Days field (set in Scheduled Order Maintenance (5.5.1.13)).

## Exercise: Create Schedule Release

Create a schedule release for your scheduled order.

Use Schedule Update from MRP (5.5.3.1).

- 1 Using your scheduled order number, run the update. Let the As of Date default to the system date.

<b>Field</b>	<b>Data</b>
Report Detail/Summary	Detail
Update	Yes

- 2 Send the output to either your local printer, or set it to Page.
- 3 Review the output, taking note of the calculation steps.

## Review/Modify Schedule Release

**Supplier Schedules Setup**

- ▲ Create Schedule Release
- ▲ Review/Modify Schedule Release \*
- ▲ Transmit Schedule Release

\* (Optional)

QAD Proprietary 2009-SS-PRO-080

There may be times when you need to modify a scheduled order release or simply wish to review the release data. For example, if the requirements change in a release, you will need to manually adjust the firm quantities. You can change release data such as:

- Requirement dates
- Quantities
- Firmed or planned status
- Fab and raw authorization quantities and dates

### Schedule Maintenance (5.5.3.3)

**Schedule Maintenance**

Purchase Order: PO1040      Line:

Item Number:       UM:

Supplier:

Ship-To:

Release ID:

Back      Next

*Schedule Maintenance (5.5.3.3)*

QAD Proprietary 2009-SS-PRO-090

Use Schedule Maintenance (5.5.3.3) to modify or review a scheduled order release. You can also use Schedule Maintenance to reactivate a schedule release or to create schedule releases manually.

There are four frames of data.

#### Header Frames

There are two header frames. The first header frame identifies the scheduled order release you wish to see. To select the most current release, press Enter on the Release ID field.

In the second header frame you specify the prior cumulative date and the active start date.

## Schedule Detail Data Frame

**QAD**  
Our Passion. Your Advantage.

## Schedule Maintenance: Schedule Detail Data

Schedule Maintenance x

Go To Actions Copy Print Preview

Purchase Order: P0010002 Line: 1  
 Item Number: bx-0001 BX:100 UM: EA  
 Supplier: 5011000 DIXON CORPORATION  
 Ship-To: train  
 Release ID: 20090302-001

**Schedule Detail Data**

Date	Time	Reference	Quantity	Q
3/8/2009	:		100.0	P
3/15/2009			100.0	P
3/22/2009			100.0	P
3/29/2009			100.0	P
4/5/2009			100.0	P
4/12/2009			100.0	P
4/19/2009			100.0	P
4/26/2009			100.0	P
5/3/2009			100.0	P

Back Next

QAD Proprietary *Schedule Maintenance (5.5.3.3)* 2009-SS-PRO-100

The third frame displays the dates, quantities, and status of individual lines in the release. If you need to alter this information, you do so in this frame.

- If you needed to create a manual schedule release, you would enter the information here
  - For example, if you are just starting a product up and the planning parameters are not yet set, but the item has a significant lead time

## Resource Authorization Data Frame

**QAD**  
Our Passion. Your Advantage.

## Schedule Maintenance: Resource Authorization Data

Schedule Maintenance x

Go To Actions Copy Print Preview

Purchase Order: P0010000 Line: 1  
 Item Number: BX-0001 Box100 UM: EA  
 Supplier: 5011000 DIXON CORPORATION  
 Ship-To: train  
 Release ID: 20090528-001

Resource Authorization Data

Fab Qty:	<input type="text" value="400.0"/>	Fab Start:	<input type="text" value="5/28/2009"/>	Fab End:	<input type="text" value="6/26/2009"/>
Raw Qty:	<input type="text" value="400.000000"/>	Raw Start:	<input type="text" value="5/28/2009"/>	Raw End:	<input type="text" value="6/26/2009"/>

*Schedule Maintenance (5.5.3.3)*

This frame shows the fabrication and raw materials amounts and dates.

- Defaults from the scheduled order created in Scheduled Order Maintenance (5.5.1.13)
- Changes made to this information affect this release only


**Note** If you are manually creating a release, after this frame you are prompted to make this release active.

### Exercise: Review Schedule Release

Review the schedule release you just created.

- 1 Bring up your schedule release. Use the lookup icon to find your purchase order. Press Enter to access the current Release ID.
- 2 Use Schedule Maintenance (5.5.3.3)
- 3 Go through each frame, reviewing your schedule order details. Make sure that what you see is what you expected.

## Transmit Schedule Release



### Supplier Schedules Setup

- ▲ Create Schedule Release
- ▲ Review/Modify Schedule Release \*
- ▲ Transmit Schedule Release

\* (Optional)

QAD Proprietary 2009-SS-PRO-130

Schedule Release can be transmitted in a variety of ways. The appropriate defaults in Trading Partner Parameters Maintenance (35.13.10) must be set up. The value you set up there defaults to the scheduled order - Scheduled Order Maintenance (5.5.1.13) where you can accept the default or override it.

## Schedule Print (5.5.3.8)

**Schedule Print**

Schedule Print x

Go To Actions Copy Print Preview

Purchase Order: To:

Item Number: To:

Supplier: To:

Ship-To: To:

Buyer: To:

Schedule Type: 4 Supplier Schedule

Print Zero Schedules:

Print Lines With Zero Required Quantity:

Sort Option: 1

1 - By Ship-To, Supplier, Item, PO  
2 - By Item, Ship-To, Supplier, PO  
3 - By PO, Item

Output: page  
Batch ID:

Back Next

QAD Proprietary **Schedule Print (5.5.3.8)** 2009-SS-PRO-140

Use Schedule Print (5.5.3.8) to print the schedule release. Schedule releases can be printed individually or in batch mode. You have the option of printing schedule releases having zero (i.e., no) requirements.

The printed schedule release shows the order's long-range requirements, detailed by dates and quantities. It has two sections:

- Header section
- Line item section

The header section identifies the release ID, contains supplier and ship-to information, and general information about the release. It also shows:

- Release date
- In transit quantity
- Receipt date and receipt quantity
- Cumulative received quantity
- Shipper ID
- Ship/delivery pattern

The line item section shows the order detail information for each scheduled requirement. Information such as:

- Ship or delivery interval

- Ship or delivery date
- Ship or delivery time
- Required quantity: The discrete or bucketed quantity for the scheduled line
- Cumulative required quantity: Total cumulative requirement including the line quantity, for the entire life of the order
- Net required quantity: Total open quantity including the line quantity

### **Exercise: Print Schedule Release**

- 1 View your schedule release. Review the information.  
Use Schedule Print (5.5.3.8), set the output to Page.

## Schedule Print in Fax Format

**Schedule Print in Fax Format**

Schedule Type: 4 Supplier Schedule

Print Zero Schedules:

Print Lines With Zero Required Quantity:

Output:  
Batch ID:

Back Next

*Schedule Print in Fax Format (5.5.3.9)*

QAD Proprietary 2009-SS-PRO-160

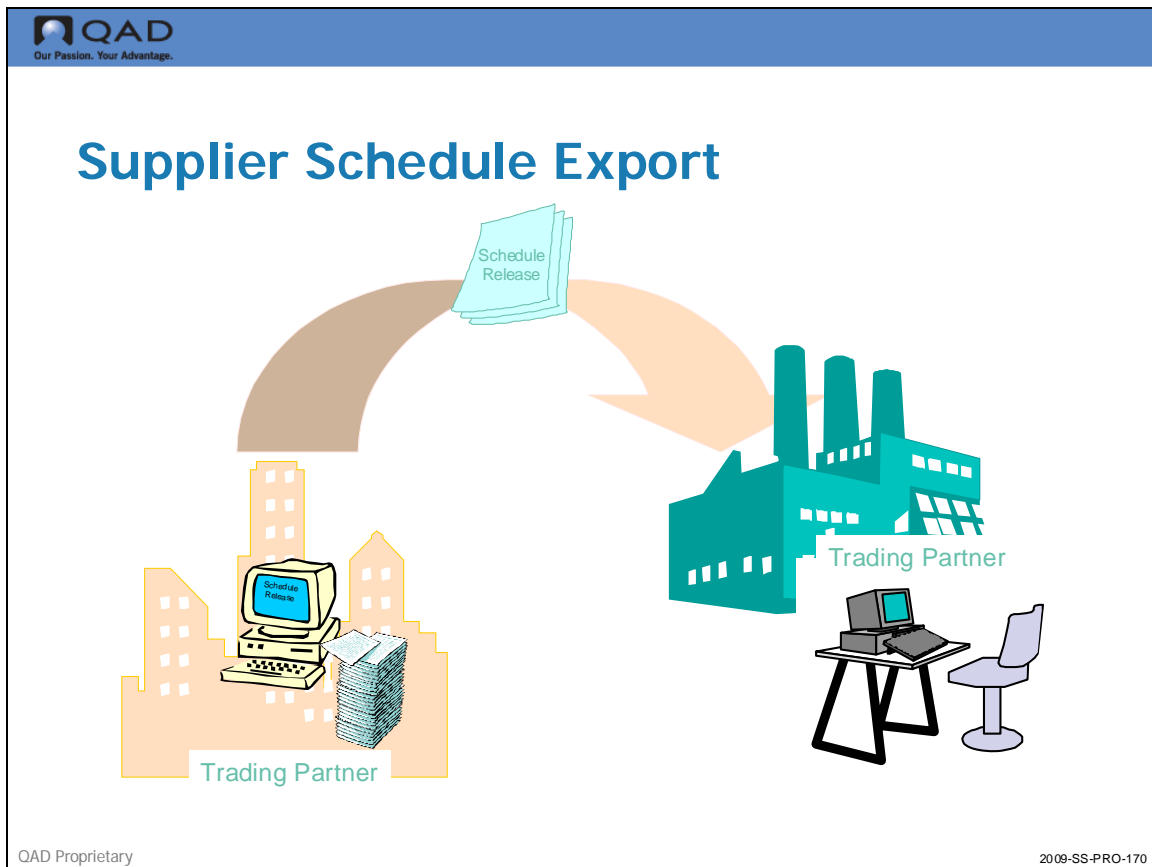
Use Schedule Print in Fax Format (5.5.3.9) to select orders you are faxing to your supplier. Schedule releases can be faxed individually or in batch mode. You have the option of including schedule releases having zero requirements.

**Note** The actual faxing is done by an external fax transmitting system.

The system sorts the orders by supplier. At the top of the first schedule for each supplier, a pound sign (#) prints, followed by the supplier's fax number.

The scheduled order release being faxed shows the long-range requirements, detailed by dates times, and quantities.

## Supplier Schedule Export



Export supplier schedules using EDI or eCommerce.

**Note** Before you can export the release to a supplier, you need to set up the supplier in Trading Partner Parameters Maintenance (35.13.10).

After exporting the supplier schedule, you can run Supplier Schedule Export Audit Report (35.19) to check for error messages and verify if the export process was successful.

See EDI Overview

## Supplier Shipping Schedule (35.4.8)

Supplier Shipping Schedule (35.4.8)

QAD Proprietary 2009-SS-PRO-180

Use Supplier Shipping Schedule (35.4.8) to export scheduled order releases to your supplier.

- Schedule releases can be exported individually or in batch mode
- You have the option of including schedule releases having zero requirements

Chapter 5

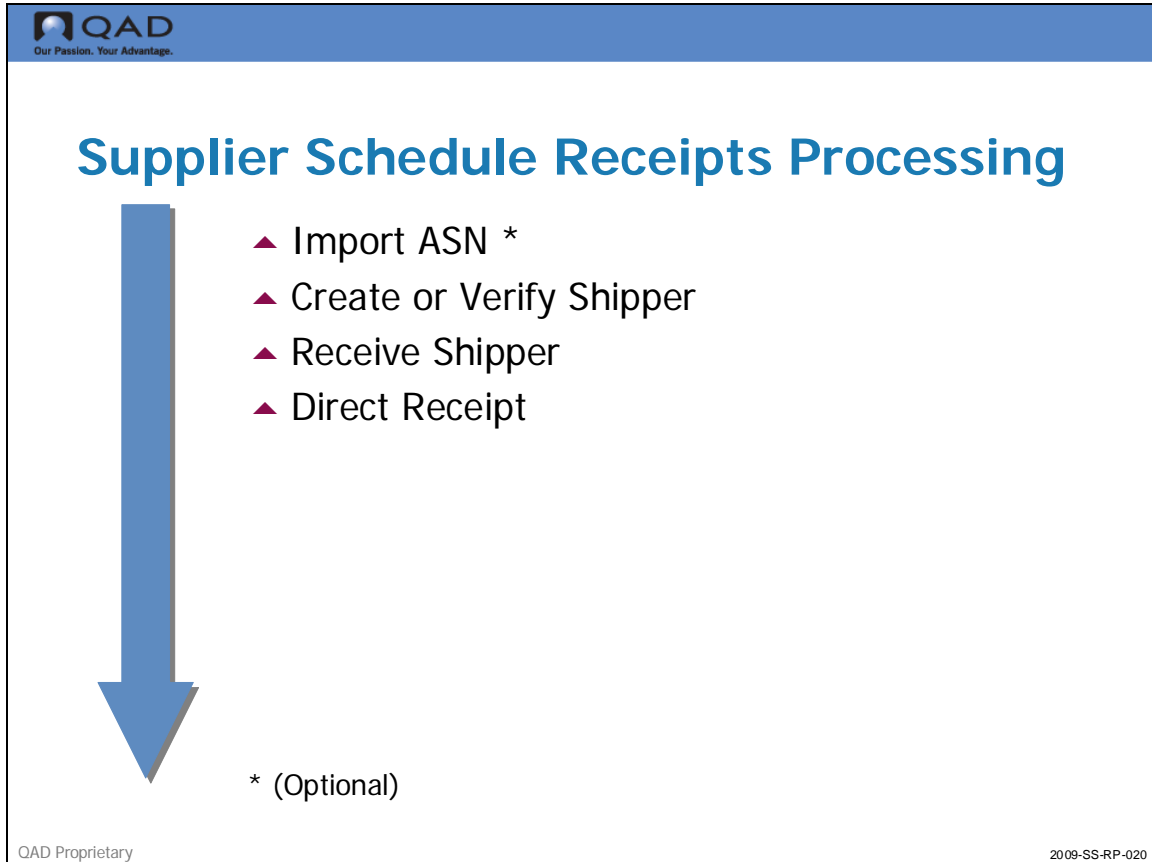
# **Supplier Schedules Receipt Processing**



## Process Supplier Schedules Receipts

In this section you learn how to:

- ▲ Identify key business considerations before setting up Supplier Schedules in QAD Standard Edition
- ▲ Set up Supplier Schedules in QAD Standard Edition
- ▲ Process Supplier Schedules in QAD Standard Edition
- ▲ Process Supplier Schedules Receipts in QAD Standard Edition



- 1 Import ASN (Optional).
- 2 Create or verify shipper.
- 3 Receive shipper.
- 4 Direct receipt.

This illustration is a suggested processing sequence of supplier schedules which is based on information that flows from one master file to another and prerequisites that need to be accomplished before setting up a file.

### Receipt Processing

How you receive items against your scheduled release depends on the relationship you have set up with your supplier. You can receive notification of the shipment by:

- ASN
  - ANSI ASC X12 856 document, defined by an ASN number
  - Transmitted when a shipment leaves the supplier's shipping dock
  - Provides you with advanced notice of the items just shipped
  - Can represent multiple items over multiple orders
- Packing list
  - Send with the shipment

- Identified by a Shipper ID
- Shows quantities and items
- Shipping labels
  - Bar code labels affixed to each shipment container and container group
- Invoice
  - Shows quantities and items detail by order, with extended pricing

Once you receive notification of the shipment, you have three ways to process/receive the shipment:

- Import, verify, receive, and confirm the ASN
- Manually create, receive, and confirm a shipper
- Direct receipt using the Purchasing module

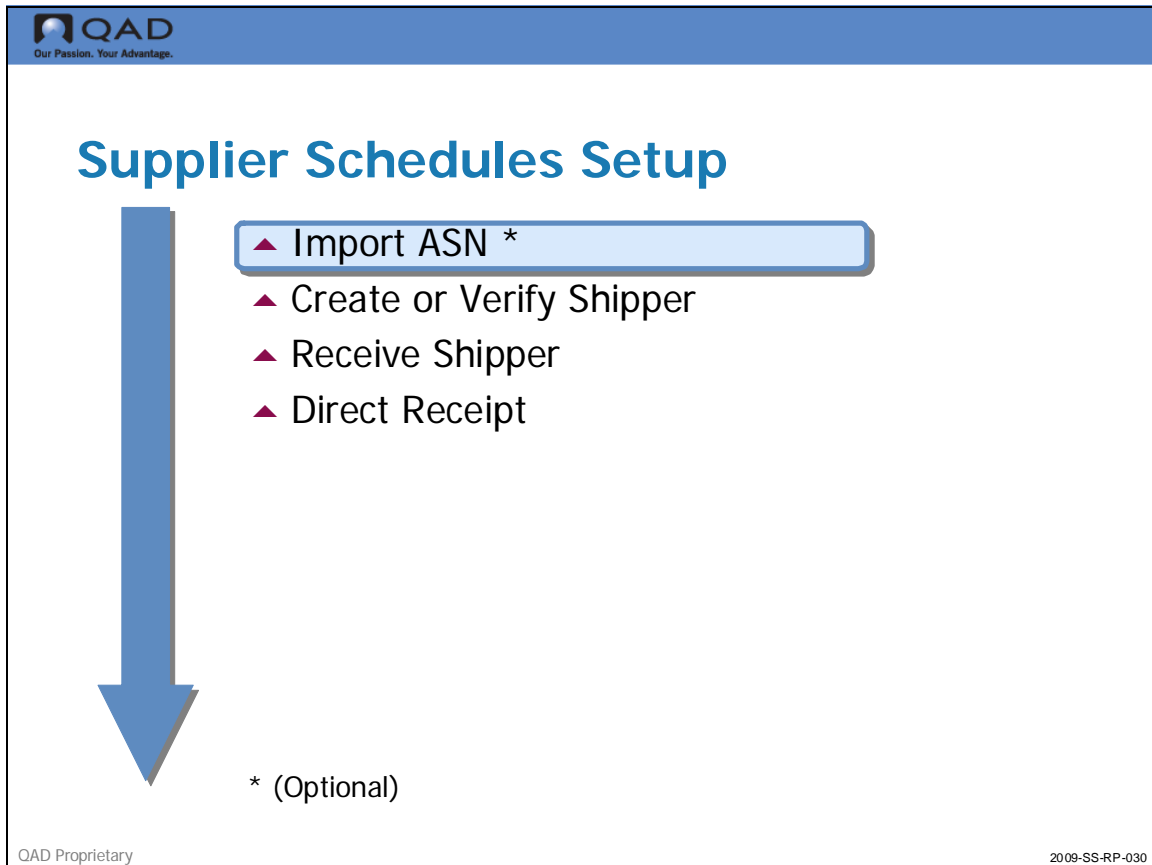
The receiving process begins with the arrival of either an ASN, signifying a shipment is on the way, or by the actual shipment and accompanying documentation. The first step is to record or verify the shipment data such as shipment ID, items in the shipment, quantities, costs, and sometimes containers.

If receipt was by way of an ASN, the information will be in your system after importing the ASN. You can verify the shipment data before you receive and confirm the shipment. If your supplier did not send an ASN, you will need to enter the shipment data into the system to create a shipper.

Once the shipment data is in the system, you then receive and confirm the shipper. This updates three history records:

- Purchase receipts
- Inventory transactions
- Inventory GL costs

## Import ASN



The diagram is titled "Supplier Schedules Setup" and is enclosed in a blue header bar with the QAD logo and tagline "Our Passion. Your Advantage." on the left. A large blue arrow points downwards from the top left. To the right of the arrow is a list of four items, each preceded by a red triangle icon. The first item, "Import ASN \*", is highlighted with a light blue rounded rectangular background. The other three items are "Create or Verify Shipper", "Receive Shipper", and "Direct Receipt". Below the list, the text "\* (Optional)" is displayed. In the bottom left corner of the diagram area, it says "QAD Proprietary", and in the bottom right corner, it says "2009-SS-RP-030".

**Supplier Schedules Setup**

- ▲ Import ASN \*
- ▲ Create or Verify Shipper
- ▲ Receive Shipper
- ▲ Direct Receipt

\* (Optional)

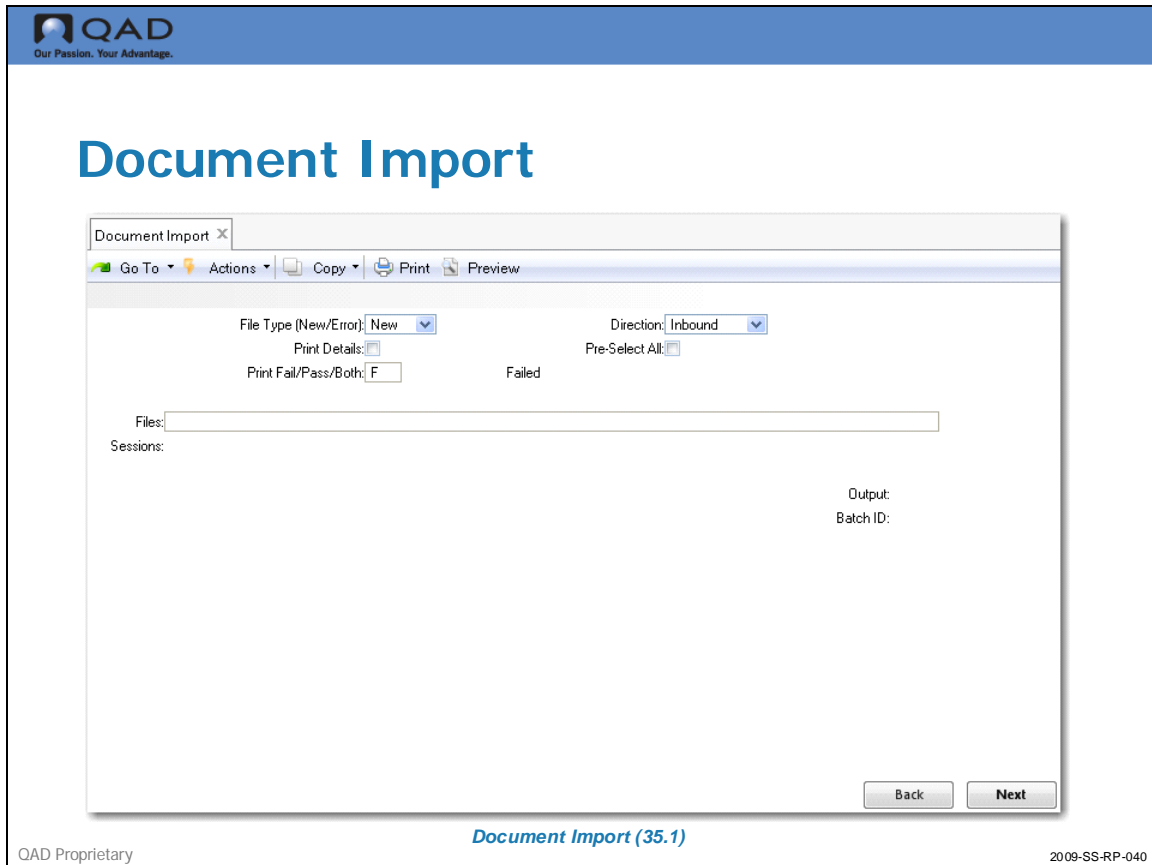
QAD Proprietary 2009-SS-RP-030

Frequently an ASN is sent, using EDI or eCommerce, as soon as the shipment leaves the supplier's shipping dock.

Some suppliers transmit only an ASN. You then treat the ASN as the receiving document and the invoice. Each ASN is identified by an ASN number. This number acts as the shipper number and the invoice number.

**Note** Before you can import from a supplier, you need to set up the supplier in Trading Partner Parameters Maintenance (35.13.10).

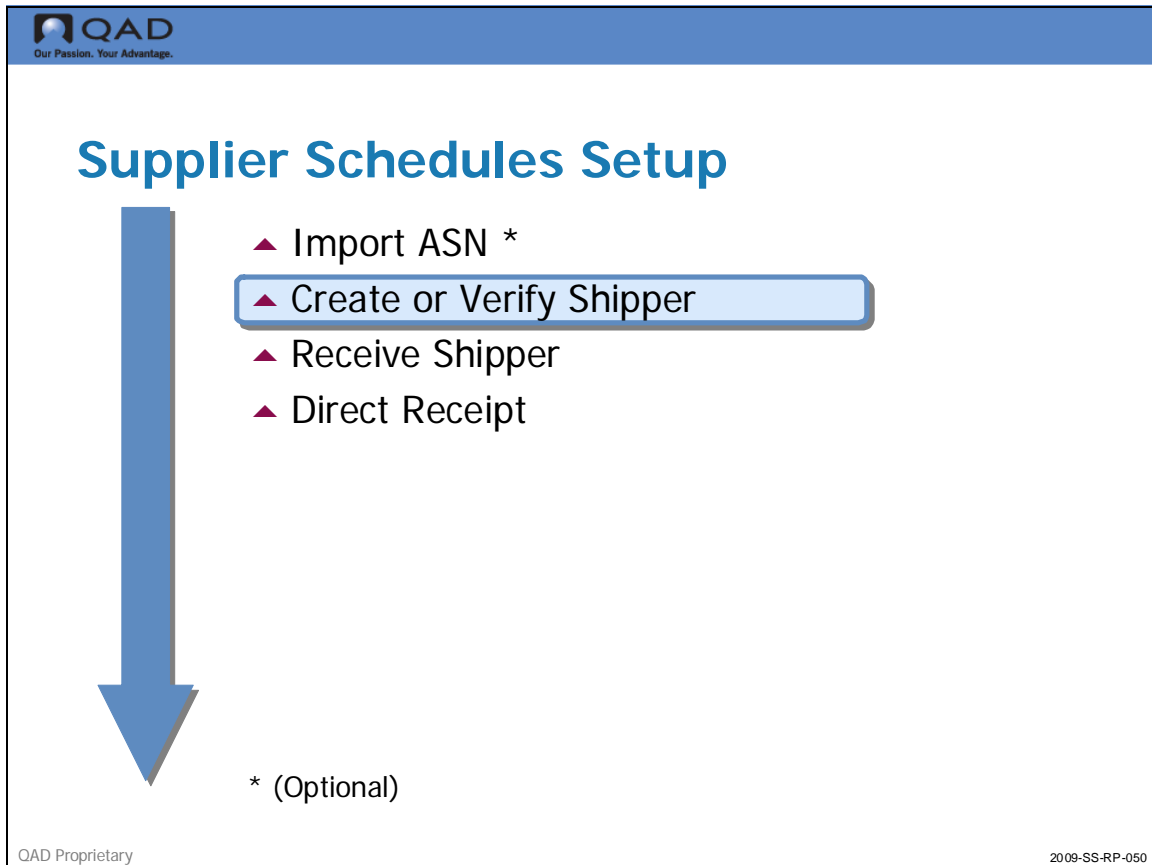
## Document Import (35.1)



Use Document Import (35.1) to import the ASN. Document Import locates and opens EDI-transmitted documents, in this case the ASN. It then takes the data and converts it into a data format able to be recognized by QAD SE. The ASN is then ready to be processed.

The system generates a report on the import process.

## Create or Verify Shipper



The screenshot shows the QAD logo at the top left with the tagline "Our Passion. Your Advantage." Below the logo is the title "Supplier Schedules Setup". A large blue arrow points downwards from the title to a list of menu items. The menu items are: "Import ASN \*", "Create or Verify Shipper" (highlighted with a blue rounded rectangle), "Receive Shipper", and "Direct Receipt". At the bottom left of the screenshot area, it says "QAD Proprietary". At the bottom right, it says "2009-SS-RP-050".

**Supplier Schedules Setup**

- ▲ Import ASN \*
- ▲ Create or Verify Shipper
- ▲ Receive Shipper
- ▲ Direct Receipt

\* (Optional)

QAD Proprietary 2009-SS-RP-050

You can create a shipper using the documentation accompanying the shipment. A shipper itemizes the items and quantities in the shipment. Sometimes you also need to track the shipping containers.

You can receive container information electronically as part of an ASN or the information may arrive with the shipment and be entered manually. Container information may also be scanned into the system from bar code readings of shipping labels.

## PO Shipper Maintenance (5.5.5.5)

PO Shipper Maintenance

Supplier: 50000000      Ship Date:      Hydroxco Gas Processors Inc.  
 Shipper ID: cBx093           100 Foothill Blvd.

Ship-to ID: 10000      US Engine Valve

**Contents (Containers)**  
 Container ID: Bx093

Back      Next

QAD Proprietary      PO Shipper Maintenance (5.5.5.5)      2009-SS-RP-060

Use PO Shipper Maintenance (5.5.5.5) to create a new shipper, to modify, or simply to view an existing shipper. If using ASNs, you can use PO Shipper Maintenance to see and verify the shipment details before you receive and confirm it.

**Note** You can modify a shipper that has been confirmed. However, you cannot reconfirm modified shippers.

### Header Frames

You identify the shipper by entering the supplier code, a shipper ID, and a ship date. The shipper ID can come from:

- ASN already in the system
- Bar code reading of a shipping label
- Entering the number from the receiving document (e.g., picklist)

In the second header frame you enter the site where the shipment is being delivered in the Ship-To field.

## Contents (Items) Frame

**QAD**  
Our Passion. Your Advantage.

# PO Shipper Maintenance: Contents (Items) Frame

PO Shipper Maintenance

Go To Actions Copy Print Preview

Supplier: 5011000 Ship Date: 5/28/2009 DIXON CORPORATION  
 Shipper ID: 100 1000 INDUSTRIAL DRIVE

---

Ship-to ID: train Training Database Site

Contents (Items)

Item Number: BX-0001  
 Purchase Order: P0010000 Line: 1

Qty to Receive:  UM:  UM Conv:

Site:

Location:

Lot/Serial:

Reference:

Supplier Lot:

Multi Entry:

QAD Proprietary *PO Shipper Maintenance (5.5.5.5)* 2009-SS-RP-070

If you are tracking the shipping containers, enter the container ID.

In this frame you register/record the items that are packed into the shipper or containers.

## PO Container Maintenance (5.5.5.4)

PO Container Maintenance (5.5.5.4)

Use PO Container Maintenance (5.5.5.4) to link items to containers used by your supplier to ship the items. Containers are not a required part of a shipper, but there are times when you need to keep track of them, if the container has a significant value, for example, or if it needs to be returned. You can also use PO Container Maintenance to modify container item quantities (e.g., the actual shipment does not match the shipper).

- Usually containers are not a concern with supplier schedules

You can receive container information:

- Electronically as part of an ASN
- Along with the shipment (e.g., a packing list) to be entered manually
- From bar code readings of shipping labels

**Note** To return containers that have been received to a shipper, use Issues – Unplanned (3.7).

In the first frame you identify the supplier and assign a container ID. You can have the system assign a container ID or you can enter one.

The container you are identifying at this point is the parent container, the container holding the shipped items. In some cases this can also include other containers.

In the next frame you identify the ship-to location: (The location where the container is being delivered)

In the last frame you enter the container item information.


## Exercise: Receiving the Supplier Schedule

Receive the first shipment on your schedule order.

- 1 Enter your supplier. Use 100 for the Shipper ID and today's date for the Ship Date.  
Use PO Shipper Maintenance (5.5.5.5)
- 2 Advance to the Contents (Items) frame. Receive a quantity of 100. From the Container Frame click Back to advance to the contents (Items) frame.

**Note** This activity sets up the shipper to be received, the actual receipt occurs in the next activity.

## Receive Shipper



### Supplier Schedules Setup

- ▲ Import ASN \*
- ▲ Create or Verify Shipper
- ▲ Receive Shipper
- ▲ Direct Receipt

\* (Optional)

QAD Proprietary 2009-SS-RP-110

The last step in the receiving process is to receive and confirm the shipper.

Receiving the shipper:

- Increases inventory
- Increases the cumulative received quantities
- Decreases net cumulative requirements
- Updates the accounts payable (AP) and GL accounts

## PO Shipper Receipt (5.5.5.11)

The screenshot shows a web-based form titled "PO Shipper Receipt" within a QAD application window. The form contains the following fields and sections:

- Supplier:** 5001000
- Shipper ID:** UPS
- General Supply Corporation**
- 720 East College Avenue**
- GL Effective Date:** 1/28/2009
- Supplier Performance Info** section with a **Receipt Date:** dropdown menu set to 1/28/2009.
- Navigation:** "Back" and "Next" buttons at the bottom right.

At the bottom of the screenshot, the text "PO Shipper Receipt (5.5.5.11)" is displayed in blue. The footer includes "QAD Proprietary" on the left and "2009-SS-RP-120" on the right.


Use PO Shipper Receipt (5.5.5.11) to record that the supplier has fulfilled all or part of their commitment by delivering the ordered materials.

### Exercise: Receive Shipper

Receive and confirm the shipper and check inventory.


- 1 You are going to receive and confirm the shipper. Let the Effective date default to today's date.
- 2 Use PO Shipper Receipt (5.5.5.11)
- 3 When the system prompts Please confirm update, choose Yes.
- 4 Print another copy of your schedule, this time take note of any differences.  
Use Schedule Print (5.5.3.8)
- 5 Check to see if your item number has been received into inventory.  
Use Inventory Detail by Item Browse (3.2) or Inventory Detail by Site Browse (3.3)
- 6 Review the audit trail for the inventory transaction.  
Use Transactions Detail Inquiry (3.21.1)

## Direct Receipt



### Supplier Schedules Setup

- ▲ Import ASN
- ▲ Create or Verify Shipper
- ▲ Receive Shipper
- ▲ Direct Receipt



QAD Proprietary 2009-SS-RP-140

If you are not receiving ASNs or reading bar code labels and exploding containerized shipments, you can use the receiving function for the Purchase Order module. Cumulative quantities are updated, so there is no loss of functionality.

## Purchase Order Receipts (5.13.1)

**Purchase Order Receipts**

Order: M1023    Supplier:    Status:    Effective: 1/28/2009

Packing Slip:    Move to Next Operation:

Receiver:    Receive All:

Comments:

Ship Date:

Back    Next

QAD Proprietary    *Purchase Order Receipts (5.13.1)*    2009-SS-RP-150

Use Purchase Order Receipts (5.13.1) to enter the receipt of your shipment directly into inventory.

### Header Frame

In this frame you identify the schedule order shipment being received.

## Line Item Detail Frame

Purchase Order Receipts

Go To Actions Copy Print Preview

Order: P0010000 Supplier: 5011000 Status: Packing Slip: 123

Ln	Item Number	UM	Qty Open UM	Receipt Qty UM	Project	Due Date
1	BX-0001	EA	0.0 EA	100.0 EA		

Line: 1 Unit of Measure: EA Site: trein Loc: 100

Quantity: 100.0000000000 ID: Lot/Ser:

Packing Qty: 0.0 OP: 0 Reference: Supplier Lot:

Cancel B/O:  Multi Entry:  Chg Attribute:

Item Number: BX-0001 Cmnts:

Supplier Item: Box100

QAD Proprietary Purchase Order Receipts (5.13.1) 2009-SS-RP-160

The top frame displays the line items and quantities open on the scheduled order. In the lower frame you enter specific line item detail.

- You can receive against open line items only
  - Open line items have a nonzero quantity open (Qty Open) and a blank line-item status (Status)
- You cannot receive against line items that are closed or cancelled (Status C or X)

## Trailer Frame

The screenshot shows a software window titled "Purchase Order Receipts" with a menu bar containing "Go To", "Actions", "Copy", "Print", and "Preview". The main content area displays the following information:

Order: P0010000	Supplier: 5011000	Status:	Packing Slip: 456
		Currency: USD	Line Total: 15.00
			Total Tax: 0.00
Tax Date: 5/28/2009			Total: 15.00


Below the table, there is a link "View/Edit Tax Detail:" followed by a small square icon.

*Purchase Order Receipts (5.13.1)*


QAD Proprietary 2009-SS-RP-170

The last frame displays tax and pricing information along with the currency used on the scheduled order: (Display only)

## Supplier Setup Summary



### Supplier Schedules Setup Summary



- ▲ Import ASN \*
- ▲ Create or Verify Shipper
- ▲ Receive Shipper
- ▲ Direct Receipt

\* (Optional)

QAD Proprietary 2009-SS-RP-180

## Course Overview



### Course Overview

- ▲ Introduction to Supplier Schedules
- ▲ Business Considerations
- ▲ Set up Supplier Schedules
- ▲ Process Supplier Schedules
- ▲ Process Supplier Schedules Receipts



Chapter 6

# Special Processes

## Managing Cumulative Quantities



### Managing Cumulative Quantities

QAD Standard Edition gives you the ability to:

- ▲ Modify cumulative receipt quantities for a scheduled order
- ▲ Reset an entire scheduled order with a new cumulative start date and zero quantity
- ▲ Reset the cumulative totals for one or more supplier schedules

## Cumulative Received Maintenance (5.5.5.13)

The screenshot shows a software window titled "Cumulative Received Maintena...". The window has a menu bar with "Go To", "Actions", "Copy", "Print", and "Preview". Below the menu bar, there are several input fields: "Purchase Order: P01040", "Item Number:", "Supplier:", "Ship-To:", "Line:", and "UM:". Each input field has a magnifying glass icon to its right. At the bottom right of the window, there are two buttons: "Back" and "Next". The footer of the window contains the text "QAD Proprietary", "Cumulative Received Maintenance (5.5.5.13)", and "2009-SS-SPPR-".

Use Cumulative Received Maintenance (5.5.5.13) to modify cumulative received quantity for the supplier schedule line or reset an entire scheduled order with a new Cum Start date and a zero (0) quantity.

**Note** New cumulative quantity is transmitted on the next schedule release.

There are two frames.

In the first frame you select the scheduled order by specifying the:

- Purchase Order (scheduled order number)
- Item
- Supplier
- Ship-To
- Line
- In the second frame you designate how you want to modify the cumulative received quantity.

**Note** It is recommended that this program be password-controlled.

## Cumulative Received Reset to Zero (5.5.5.14)

**Cum Received Reset to Zero**

Purchase Order: P01040

Item Number:

Supplier:

Ship-To:

Buyer:

To:

To:

To:

To:

To:

Update:

Cum Shipped Start Date: 1/28/2009

Remarks:

Sort Option: 1

1 - By Ship-To, Supplier, Item, PO  
 2 - By Item, Ship-To, Supplier, PO  
 3 - By PO, Item

Output:  
 Batch ID:

Back Next

QAD Proprietary Cum Received Reset to Zero (5.5.5.14) 2009-SS-SPPR-

Use Cum Received Reset to Zero (5.5.5.14) to reset the cumulative totals for supplier schedules. You can reset one supplier schedule or a range of supplier schedules. The reset process generates a report showing which scheduled orders were reset and what their cumulative received totals were before being reset.

**Note** You can run the reset process in batch mode.

Appendix A

# **Workshops and Study Questions**

## Supplier Schedules Setup Workshop

Situation:

You operate a company that makes juice drinks. One of the products that you purchase are the bottles for the drinks. For this product you have two suppliers.

- 1 Select two suppliers.  
Record the supplier codes: \_\_\_\_\_  
What program do you use to create the suppliers?
- 2 Create a purchase part number for the bottles.  
Record the site: \_\_\_\_\_  
What program do you use to create the part? What field tells the system it is a purchased part?
- 3 Set up supplier item numbers for your item numbers.  
Record the supplier item number: \_\_\_\_\_  
What program do you use?
- 4 Set up a price list for each of your suppliers  
Make the price list code the same as the supplier codes.  
Which program do you use for this?
- 5 Add the price list code to the supplier information.  
What program do you use to do this? Which field?
- 6 Set up a calendar for each of your suppliers. Make one supplier have every Friday as a non-work day and the other one have every Wednesday as a non-work day. How do you indicate a non-work day?
- 7 Set up a scheduled order for each supplier.
  - a Record each order number: \_\_\_\_\_
  - b Accept the defaults in the Order Data frame. You want to be able to print the schedules. What field do you have to check?
  - c In the first Order Line Item Data frame, enter the price list code. Accept the remaining defaults.
  - d In the second Order Line Item Data frame enter the following:

Field	Data
Firm Days:	0
Schedule Days:	14
Schedule Weeks:	6
Schedule Months:	6
Fab Auth Days:	30
Raw Auth Days:	60

Field	Data
Ship/Dlvy Pattern:	20
Standard Pack Qty:	<different for each supplier

What program do you use and what field must be set to Yes?

- 8 Input a 16 week forecast for the item, starting next week. Be imaginative with your numbers. What program do you use?
- 9 Run selective MRP for your item number and site. Accept the defaults. What program do you use?
- 10 Where can you check the results? What type of orders should you see?
- 11 The scheduled order is to be shared between your two suppliers. How do you set this up?

### Supplier Schedules Setup Study Questions

- 1 You can use any type of price list for supplier schedules.  
True or False
- 2 One of your suppliers shuts down for two weeks every summer. What do you have to do to make sure no orders are scheduled during that two week period?
- 3 You need to set up a supplier calendar for each of your suppliers.  
True or False
- 4 If you are ordering more than one item from the same supplier, you need to set up a scheduled order for each item.  
True or False
- 5 You want to make sure the orders are shipped in multiples of 25. What do you have to set?
- 6 Since you only have one supplier, you do not need to allocate supply percentages in Scheduled Order MRP% Maintenance.  
True or False

### EDI Setup Study Questions

- 1 What is the function of external purpose codes? Are they optional?
- 2 What is the function of internal function codes? Are they optional?
- 3 Why do you need to modify a user-edited program?
- 4 Do you need to modify a user-edited program for every trading partner?
- 5 User-edited programs are only used for importing documents.  
True or False
- 6 Define trading partner. What is an EDI trading partner?

## Processing Supplier Schedules Workshop

Situation:

You have your MRP-planned purchase orders and are now ready to create the release.

- 1 Create a new supplier schedule release.  
What program do you use?
- 2 Review the schedule release. What can you use to do this?
- 3 Print a copy of the schedule release.  
What program do you use?
- 4 How does the standard pack quantity affect the orders?

## Scheduled Order Processing Study Questions

- 1 List the ways you can transmit a schedule release to your supplier.
- 2 If you are exporting your schedule release, what information do you need to set up before you can export the release?
- 3 You can transmit the schedule release using more than one method.  
True or False

## Receiving Supplier Schedules Workshop

Situation:

The shipments from both suppliers have arrived and need to be received into inventory.

- 1 Receive each shipment separately using the direct receiving method.  
What program do you use?
- 2 Print a copy of the schedule release.  
What program do you use?
- 3 Compare this copy to the copy you printed at the time of processing. What is different?  
Check the header information.

## Receiving Supplier Schedules Study Questions

- 1 List the ways you can receive notification from your supplier that they have shipped your order.
- 2 List the ways you can process the shipment.

## Supplier Schedules Setup Workshop: Answers

- 1 Use Supplier Maintenance 2.3.1.
- 2 Use Item Master Maintenance 1.4.1. The Pur/Mfg field
- 3 Use Supplier Item Maintenance 1.19.
- 4 Use Price List Maintenance 1.10.2.1.
- 5 Use Supplier Maintenance 2.3.1. Enter the price code in the Supplier Pricing Data frame, Disc Tbl field.
- 6 Use Supplier Calendar Maintenance 5.5.1.1. Set the weekday in question to No under Work Day and 0 under Hours.
- 7 Use Scheduled Order Maintenance 5.5.1.13.  
Print Schedules must be set to Yes.
- 8 Use Forecast Maintenance 22.1.
- 9 Use Selective Materials Plan 22.3.
- 10 Use MRP Summary Inquiry 22.13 or MRP Detail Inquiry 23.16. You should see planned orders (designated as work orders).
- 11 Use Scheduled MRP% Maintenance 5.5.1.17. Assign a percentage to each order.

## Supplier Schedules Setup Study Questions: Answers

- 1 False. Price tables (type L) are not used for supplier schedules.
- 2 Set up a supplier calendar using Supplier Calendar Maintenance 5.5.1.1. In the Operating Day Hour Exceptions frame, define the beginning and ending dates of the shut down period.
- 3 False. If a supplier calendar is not set up, the system uses your shop calendar.
- 4 False. You can use the same scheduled order, just add a line item for each item you are ordering from the supplier.
- 5 You need to set the Std Pack Qty (Standard Pack Quantity) field in Scheduled Order Maintenance 5.5.1.13. To ship in multiples of 25, you set the field to 25.
- 6 False. Allocate 100% to the order.

## EDI Setup Study Questions: Answers

- 1 External purpose codes are two-character codes indicating the type of schedule (add, change, etc.). They are part of the EDI schedule and are not optional.
- 2 Internal function codes provide additional information about the external purpose code. Their format is not dictated by the implementation guide used for the EDI schedule. Consequently they are not limited to two-characters, giving you the ability to be more descriptive. They are optional.

- 3 User edited programs are not intended to be used as is. They must be modified to work with specific trading partners and specific EDI enabling packages.
- 4 Not necessarily. It depends on the specific requirements of a trading partner. You can create a single program for all trading partners. You can also create different versions meeting specific requirements. Then, you can use the same program for several trading partners with those specific requirements.
- 5 False. User edited programs are used for importing and exporting documents.
- 6 A trading partner is any company you are selling to or buying from. An EDI trading partner is any company you communicate with using EDI.

### Processing Supplier Schedules Workshop

- 1 Use Schedule Update from MRP 5.5.3.1.
- 2 Use Schedule Maintenance 5.5.3.3 or Schedule Inquiry 5.5.3.4.
- 3 Use Schedule Print 5.5.3.8.
- 4 Open quantities are adjusted accordingly.

## Scheduled Order Processing Study Questions: Answers

1

- a Printing and sending a hard copy
- b Faxing
- c Exporting

2 You need to set up the trading partner (i.e., your supplier) information in Trading Partner Parameters Maintenance 35.1.

3 True. As long as the appropriate parameters are set.

## Receiving Supplier Schedules Workshop: Answers

1 Use Purchase Order Receipts 5.13.1.

2 Use Schedule Print 5.5.3.8.

3 The Receipt Date, Receipt Qty, and Cum Received fields show the results of the receive transaction.

## Receiving Supplier Schedules Study Questions: Answers

1

- a ASN.
- b The actual shipment and accompanying documents.

2

- a Import, verify, and confirm the ASN.
- b Create and confirm the shipper.
- c Direct receipt.



Appendix B

# **Reports, Inquiries, Browsers**

## Supplier Schedules Inquiries

Menu	Inquiry	Function / Purpose
5.5.1.2	Supplier Calendar	Browse Displays information for all suppliers having a custom calendar. Shown are the work day hours for Sunday through Saturday.
5.5.1.14	Scheduled Order Inquiry	Displays information by scheduled order line item. Information shown includes order data and order line item data information.
5.5.1.18	Scheduled Order MRP% Browse	Displays information for all ship-to locations. Information shown includes the item number, effective date, purchase order number, and percent allocated.
5.5.3.4	Schedule Inquiry	Displays information by scheduled order. You have the option of displaying the net required quantity for the scheduled order. Information shown includes Prior Cum Req, Prior Cum Date, and the Schedule Detail Data.
5.5.3.5	Schedule History Inquiry	Displays information by scheduled order. You have the option of specifying a Created After date. Only scheduled orders created after this date display. Information shown is the same as in Schedule Inquiry.
5.5.5.6	PO Shipper/Container Inquiry	Displays information by supplier and shipper/container ID. Information shown includes the ship-to, identification number, site, item number, location, order number, line number, and the quantity received.
23.13	MRP Summary Inquiry	Displays information by item number and site. Information shown includes the item's item planning data, and due date and quantity information for gross requirements, scheduled receipts, projected quantity on hand (QOH), planned orders due, and planned orders released.
23.16	MRP Detail Inquiry	Displays information by item number and site. Information shown includes the item's item planning data, and due date, gross requirements, scheduled receipts, projected QOH, planned orders, and order details (e.g., work order number, release date).

## Supplier Schedule Reports

Menu	Inquiry	Function / Purpose
5.5.1.15	Scheduled Order Report	Selection criteria includes supplier scheduled order details (order number, item number, supplier, ship-to). Report information includes scheduled order data and order line item data. The format of the report is the same as the screen format of Scheduled Order Maintenance (5.5.1.13), where the data was originally entered.
5.5.3.13	Schedule Report	Selection criteria includes supplier scheduled order details (order number, item number, supplier, ship-to, release ID). You have the option of receiving information for active or historical schedules. Report information includes Prior Cum Req, Prior Cum Date, Schedule Detail Data, and Resource Authorization Data.
5.5.3.15	Schedule Comparative	Selection criteria includes order number, item number, supplier, ship-to, and two release IDs. The report compares the quantities, discrete and cumulative, between the two specified releases.
5.5.3.17	Schedule Authorization Report	Selection criteria includes supplier scheduled order details (order number, item number, supplier, ship-to). Report information includes release ID number, effective dates, and resource authorization information.
5.5.5.1	Schedule Summary Report	Selection criteria includes supplier scheduled order details (order number, item number, supplier, ship-to). Report information includes due dates, workdays, net quantity due, and cumulative quantity due.
5.5.5.15	Receipt History Report	Selection criteria includes supplier scheduled order details (order number, item number, supplier, ship-to). Report information includes receipt date and time, transaction type and number, site, location, receipt quantity, and cumulative quantity.

