Distribution Resource Planning
Run Instructions

Important Notices

Trademark Acknowledgements

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Chapter 1
Introduction to Infor LX

1

Overview of Infor LX

This topic contains information that pertains to all applications of the Infor LX product. This information enables you to perform the following tasks:

- Navigate through menus and screens
- Specify information in the fields on the screens
- Use the screen actions
- Access the online help text
- Become familiar with terms used throughout Infor LX

Navigation

The features described in the following paragraphs help you navigate within and between Infor LX screens and programs quickly and easily.

Menus

Use Infor LX menus to choose individual programs to process or view information. You can call individual applications directly from any menu.

Dates

Infor LX includes full support for dates up to and beyond the year 2000. Although most date fields display six characters, Infor LX stores the date as eight characters to include century information. Use Company Name and Date Format, SYS820, in the System Parameters Generation program, SYS800, to configure century dates and specify dates beyond 1999.

Attention key and quick access icon

The character-based user interface uses the attention key to directly access other programs, menus, and applications. On an Infor LX screen, press the Esc key.

The Webtop user interface uses the Quick Access icon to directly access programs. On an Infor LX screen, click the Quick Access icon.

You must have security authorization to use these features.

Look-up features

On the character-based user interface, a plus sign (+) indicates a prompt-capable field. Use F4 to display a look-up screen.

On the Webtop user interface, an arrow indicates a prompt-capable field. Click the arrow to display a look-up screen.

Most screens called from inquiry programs allow you to search for alphanumeric strings.

Remembered keys

Infor LX remembers certain key values, such as item number, salesperson, or container, in your workstation memory as you process information in certain programs. You can assign one of the following values to each field:

- 0. Infor LX automatically retrieves this value from remember key memory. Infor LX updates this value on a continual basis.
- 1. Infor LX automatically retrieves the value you specify in Display Remembered Keys, SYS080. It does not update the value from any other program.
- 2. Infor LX does not retrieve or update remembered key fields.

Use the Display Remembered Keys program, SYS080, to set up remembered keys.

Standard online help features

Many Infor LX programs display generic help text. Use F1 from within a field on the character-based user interface. Click the Show/Hide Help icon on the Webtop user interface. This generic help text includes help for standard line actions, standard screen actions, which are also called function keys or F keys, the run time parameter, and some screens types.

The information in the generic help text for line actions and screen actions in this document is not included in the help text for individual Infor LX programs and screens. If a line action or screen action other than those defined in the generic help text occurs in a program, the help text for that program describes the specific action.

Additional generic help text is stored in the SSARUNHT document for users of the character-based UI. You can print this document and the individual application run instructions, SSARUN01, SSARUN02, and so on, from the DOC menu on the IBM(R) iSeries(TM) in the character-based user interface.

Generic help text for line actions

Line actions

The following line actions are valid in numerous screens. They have the functions described in the following sections.

1=Create

Specify Create on the prompt line and a value in at least one key field to add new information to the file. The system displays maintenance screens on which you can specify the new data. The system prints the new data on the audit report.

Note: You cannot specify Create next to existing data.

1=Select

On a prompt screen, specify 1 to return the selected data to the original screen.

2=Revise

Specify Revise to change the information for a line. Specify 2 and a value in at least one key field or specify 2 next to a line. The audit report lists the change. If you specify Revise next to a line with inactive information, the system reactivates the information.

3=Copy

Specify Copy to copy existing information. You can specify 3 and a value for at least one key field or you can specify 3 next to a line. The system displays a maintenance screen on which you can specify new data and change existing data.

4=Delete

Specify Delete to deactivate the information on a line. You can specify 4 and a value in the key fields or you can specify 4 next to the line to delete. Use Revise to reactivate deleted information.

5=Display

Specify Display to view information. You can specify 5 and a value in the key fields or you can specify 5 next to a line.

6=Print

Specify Print to print information on the audit trail. You can specify 6 and a value in the key fields or you can specify 6 next to a line.

8=Position To

Specify Position To to move a line to the top of the list. You can specify 8 and a value in the key fields or you can specify 8 next to a line. The system repositions the list to begin with the requested line or, if the line does not exist, to the line that is next in sequence.

After you use the Position To feature, you can page down or you can use the Position To action with a different value, but you cannot page up. You can return to the top of the list if you specify Position To but do not specify a value in the key fields on the prompt line.On a prompt screen, display details matching the information you specified.

10=Search

On the top line of a prompt screen, use 10 and known field data to locate specific information.

Additional line actions

If a program contains additional line actions, see the line actions help text in that specific program for descriptions of those line actions.

Generic help text for screen actions

Many screen actions, also called F keys, perform the same function for every program or screen in Infor LX. Definitions for these screen actions follow.

Enter

Proceed to the next screen of a maintenance program. On the final screen, press Enter to update the file and return to the first screen of the program for additional maintenance activity.

Enter

Validate data in a screen. This function of Enter generally occurs in transaction programs that have an F6=Accept screen action, which saves the data on the screen.

Enter

Send the output from a report or listing program to an output queue for processing.

F1=Help

Display help text. This screen action applies to the character-based user interface only.

F3=Exit

Exit a program and do not record, update, or print the information you specified on the program screens.

F4=Prompt

Display a pop-up screen that lists existing values for the field. A plus (+) character denotes a prompt-capable field in the character-based user interface. In the Webtop user interface, the prompt -capable field has a small arrow that points to the right .

F5=Refresh

On a list screen, redisplay the screen to check the status of an executed function.

On a maintenance screen, redisplay the original values on the screen.

F6=Accept

Accept your changes and exit the program.

F7=Backward

Display previous lines, that is, those alphanumerically closer to A or those with earlier dates.

F8=Forward

Display additional lines, that is, those alphanumerically closer to Z or 9, or those with later dates.

F11=Fold

Display a folded view of the screen that contains additional information. Use F11 again to return the screen to its previous format.

F12=Cancel

Return to the previous screen and do not save values you specified on this screen. If you use F12 to return to a selection screen in a maintenance program, you cancel changes you made to any screens in the program.

F23=More Actions

Display additional line actions. If a screen has many screen actions, you may need to press F24 to see that there is an F23 action, which indicates that additional line actions are available.

F24=More Keys

Display additional function keys.

Generic help text for standard screens

Several categories of screens have identical functionality, though the content differs. These types of screens are explained in the following sections.

Generic help text for list screens

Many Infor LX programs contain screens with lists of information to specify for maintenance or inquiry. You have two options to specify the information to process on a list screen:

- Use the Act field and the key fields that appear at the top of the list.
- Specify a line action in the Act field of the line with the information you want to process.

After you make your entries, press Enter to perform the line action.

Generic help text for filter screens

Some Infor LX programs feature a filter screen, which you can access with F13. The filter screen enables you to filter the data to display. For example, if you use F13 in Warehouse Master Maintenance, INV110, you can display all records by warehouse or active records by warehouse or active records by description. Some filter screens provide sort or sequence options.

Generic help text for the run time parameter

Run Time Parameter (1,0):

Specify interactive to process the data in real time or batch to process the data in the job queue. If you specify interactive processing, your session is unavailable for other tasks until the job finishes.

Infor LX menus

This section describes the menus in Infor LX.

ERPLX main menu

The ERPLX Main Menu is the first of five master menus. You can access the four major Infor LX application groups from this menu:

- Configurable Enterprise Financials, CEF
- Multi-Mode Manufacturing, MMM
- Supply Chain Management, SCM
- Cross-Product Applications, XPA

Specify the abbreviated application group fast path code to access the master menu for the desired application group.

Configurable enterprise financials menu

Use the Configurable Enterprise Financials menu, CEF, to access Infor LX financial applications. Specify the application fast path code to access the desired application menu.

Multi-mode manufacturing master menu

Use the Multi-Mode Manufacturing master menu, MMM, to access Infor LX manufacturing applications. Specify the application fast path code to access the desired Infor LX application menu.

Supply chain management master menu

Use the Supply Chain Management master menu, SCM, to access Infor LX supply chain management applications. Specify the application fast path code to access the desired Infor LX application menu.

Cross-product application menu

Use the Cross Product Application menu, XPA, to access, analyze, and transmit information within Infor LX. Specify the application fast path code to access the desired Infor LX application menu.

Commonly used terms in Infor LX

Reference only

Reference only indicates that the system uses the information for the given field only for reference and does not use it for processing.

Extreme values by default

Some fields display extreme values by default. The system uses an alphanumeric or numeric extreme in these fields if you do not override the value. Use these default values, which are usually specified as ranges, to include all information in the range. The defaults values or any other values specified to designate a range do not have to be valid values in a database file.

(Y/blank)

If the screen displays (Y/blank) for a field, specify Y or Yes for a particular action to take place. Otherwise, leave the field blank. The screen displays (Y/N) if the field requires a Y or an N.

Ranges

Ranges refer to fields you can use to limit an inquiry or report or to display specific data. If there are multiple range fields in a program, you can tailor your inquiry or report to produce only the data you need.

Infor LX sorts the information alphanumerically. Therefore, the value in the From field must be a lower alphanumeric value than the value in the To field.

Infor LX usually inserts extreme values as defaults in the lower and upper fields. See the description for Extreme values by default. The entries you make in range fields do not have to be valid values in a database file.

Review the following suggestions to limit the information:

Specify the first value to include on the inquiry or report in the From field. Leave the To field blank to include all information to the end of the file. For example, you can print a report that starts with the customer number you specify in the From field and stops at the end of the Customer Master file.

Specify the last value to include on the inquiry or report in the To field. Leave the From field blank to start at the beginning of the file. For example, you can perform an inquiry that starts with the beginning of the Customer Master file and ends with the customer number you specify in the *To* field.

Specify the same value in both the *From* and *To* fields. For example, you can limit a display to one customer.

To include a group of items, specify a value in the *From* field and another value in the *To* field. For example, you can perform an inquiry that starts with the first of the month and ends with the last day of the month.

Alphanumeric

Alphanumeric refers to text that contains letters, letters and numbers together, and numbers arranged uniformly with special characters, such as dates in MM/DD/YY format. Infor LX sorts reports and inquiries in ascending alphanumeric order, unless indicated otherwise. Ascending order arranges items from the lowest value to the highest value. Alphanumeric text is sorted in ascending order according to the following rules:

- Special characters, such as $, %, - (hyphen), comma, and period, come before all others
- Lowercase letters come before uppercase letters
- Uppercase letters come before numbers
- Numbers, that is, 0 through 9, come last

A/R, A/P

The documentation uses the abbreviations A/R and A/P to denote the terms accounts receivable and accounts payable, respectively. The abbreviations distinguish the terms from the corresponding program indicators of ACR, and ACP, which precede program numbers, for example, ACR500 and ACP150.

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Chapter 2
DRP Overview

2

Introduction

This document is a guide to implementing the Infor ERP LX Distribution Resource Planning application, DRP. Infor recommends that you read the Inventory Management documentation, since you must have this application to use Distribution Resource Planning. DRP brings together all information within Infor LX which concerns the movement and expected movement of inventory. DRP enables you to see how best to meet your customer requirements when you purchase and manufacture goods. The value of DRP increases as the system collects more information.

Follow this sequence of implementation:

Inventory files	see the Inventory Management document
Purchase orders	see the Purchasing document
Customer orders	see the Customer Order Entry document
DRP	in this document

Terms used in Distribution Resource Planning

Planning Date

If you generate a schedule with DRP Generation, DRP500, you can specify any date as the planning start date. Infor LX replans material requirements from the date you specify forward.

Horizon

Horizon days indicate the number of days from the planning start date into the future during which the planning applications cannot add new planned orders. The horizon days are valid for MPS and MRP but not for DRP. Specify horizon days in the system parameters and in the Item Master.

Planned Order

Infor LX creates planned orders when you run the DRP Generation, DRP500. Planned orders are recommendations to resupply inventory to meet calculated requirements at the proper time. You can specify planned orders directly in the system. The system can reschedule or delete planned orders whenever you run a regeneration.

Firm-Planned Order

A planned order can be converted to a firm-planned order in Infor LX. Infor LX does not reschedule or delete a firm-planned order automatically. It only makes recommendations.

Pegging

Infor LX keeps track of which event causes a particular requirement and which events can satisfy requirements. For any item, you can display and report on how requirements are pegged to individual customer orders, purchase orders, shop orders, planned orders, forecasts, and resupply orders. You can specify up to 40 time periods. When you start from a specific date, which is usually the current planning start date, you can make each period any number of days long. The system uses the time frames for reporting and forecasting.

Forecast

You can specify forecasts of expected demand over the time frames. Infor LX considers the forecasts and system parameter values when it calculates requirements.

Ranges

Ranges refer to fields you can use to limit an inquiry or report or to display specific data. If there are multiple range fields in a program, you can tailor your inquiry or report to produce only the data you need.

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To include a group of items, specify a value in the *From* field and another value in the *To* field. For example, you can perform an inquiry that starts with the first of the month and ends with the last day of the month.

Suggested implementation plan

Read the documentation. Read and understand the documentation, especially the Inventory Management documentation.

Review your current material plans to consider at least the following factors:

Ensure that your information is complete, accurate and detailed. What are your order policies for material? Which items cause supply/production problems? How many changes do you expect?

Review your decision-making process. How are actual production/purchasing decisions made? Is this satisfactory?

Review requirements. You must establish regular planning procedures so that you are always up to date with actual and expected events.

Consider system parameters. Plan your entries in the system parameter fields.

Decide what items are master schedule items and what you will use as order policy, order cost, lead time, minimum balance, standard lot size and batch size for each of these items. You can specify these values in the Item Master information for each item as you decide.

Review resources. Review the staff and the time that is available to perform the implementation. Your time as planner is critically important for implementation. You must familiarize yourself with the reports and inquiries that are available.

Establish the implementation timetable. Schedule the implementation activities in your calendar. Determine a realistic go-live date.

Define the system. You must install DRP as an active application in your system. If it is not active, activate it now.

Verify that Inventory Management and other applications are active. These are normally installed first and should be running live.

Define planning procedures. Define regular planning procedures to take advantage of the up-to-date information which DRP provides to you. You must review and regenerate the plans regularly to use them optimally.

Train the operator. This should be easy if the operator is already familiar with other applications.

Load master file data. If all the other applications are running live, the only data loading you have to perform is to set up your time frames and forecasts of likely demand.

Perform an initial run. Run DRP Generation, DRP500, to generate your first planned orders and requirements. Run DRP Maintenance, DRP510, to specify any firm-planned orders you already require and regenerate DRP. Print your planning reports from this DRP generation.

Monitor planning reports very carefully for the first month. Verify that everything is set up properly and that the system is providing useful results. If you do this, you can rely increasingly on the system to provide timely information about purchases and production, prospective shortages or overstocking, and your business operations in general.

How-to Index

The list below provides a quick reference to the processes that you can perform in this application and the programs that you use for each process. The list also includes programs in related applications.

- Add distribution relationships - DRP100D1
- Add firm planned orders - DRP510d
- Add forecasts - MRP100D1
- Add item to a facility - Facility Items
- Add shipping calendar date - DRP150D1
- Available to promise inquiry - DRP310
- Change distribution relationships - DRP100D1
- Change DRP time frames - DRP120B
- Change firm planned order quantity - DRP510d
- Change forecast quantities or dates - MRP100D1
- Change item planning data - IDF Enterprise Item

- Change item/facility planning data - Facility Items
- Change planning start date - DRP120B
- Change shipping calendar - DRP150D1
- Delete distribution relationships - DRP100D1
- Delete firm planned orders - DRP510d
- Delete purchase orders - PUR500C
- Delete shipping calendar dates - DRP150D1
- Display orders and requirements - DRP300D
- Display pegged requirements - DRP300D
- Generate DRP - DRP500D
- Generate resupply orders - DRP540DC
- Print available to promise - DRP240D
- Print distribution relationships - DRP110D
- Print DRP detail - DRP240D
- Print DRP summary report - DRP230D
- Print forecasts - MRP105D
- Print item/whse planning data - MRP145D
- Print resupply orders by RO number - DRP260D
- Print resupply orders by item and receipt date - DRP270D
- Print shipping calendar - DRP160D
- Print transportation planning report - DRP250D
- Reactivate deleted firm planned orders - DRP510d
- Receive resupply orders - DRP550
- Release planned orders - DRP540C
- Release purchase orders - PUR640C
- Reschedule firm planned orders - DRP510D
- Reschedule purchase orders - PUR500

System parameters relevant to DRP

System parameters must be set in several programs before you go live with DRP. To change or specify system parameters, use the Parameter Generation program, SYS800, from the SYS Menu. Parameters in the following programs affect DRP:

DRP System Parameters, DRP820D

MRP System Parameters, MRP820D

MRP and Shop Floor System Parameters, MRP821D

Time Frame Maintenance, MRP120D1

See the System Parameters documentation for additional details about how to set the parameters.

Infor LX DRP system overview

Infor LX Distribution Resource Planning, DRP is a closed-loop distribution system that integrates with the entire Infor LX package to give you state-of-the-art management information for the distribution aspects of your business.

Infor LX DRP addresses several critical business issues:

Transportation planning

Interplant communications

Distribution network visibility

In-transit tracking

Distribution center replenishment

Infor LX DRP addresses these issues by moving the well established MRP principles of Infor LX manufacturing into the areas of managing multi-facility distribution and manufacturing environments.

Distribution Resource Planning allows visibility into the entire distribution network. Planners can see the actual demand on warehouses or distribution centers and determine how they affect the control resupply facilities. DRP also provides an accurate picture of the transportation loading and scheduling needed to support the distribution schedule.

There are five key concepts in Infor LX DRP.

- Logical warehouses
- Distribution relationships
- Fixed shipping schedules
- Resupply orders
- Transportation planning

Logical warehouses

Each item has the same, unique item number throughout Infor LX, but it can have different planning characteristics at different warehouses. The system stores these unique, facility-related planning characteristics in the Warehouse Inventory, IWI, file. For example, you can have a different minimum balance, lead time, order policy, and planner code for each item at different warehouses.

An Infor LX facility is a logical facility. It can represent any logical grouping of inventory, such as a distribution center, a real facility, a factory, a parts room, consignment inventory, quarantine inventory, and so on. This provides great flexibility.

The unique facility-related planning characteristics for each item default from the Item Master, IIM, file. They can be maintained by Facility Items and are printed by MRP145D.

Throughout Infor LX DRP, the system displays data for item/facility combinations. Thus, all Infor LX DRP reports prompt you for the facility for which to display items. Printed data applies only to the item in the

selected facility. Only purchase orders, inventory, customer orders, resupply orders, etc. for that facility appear.

Since Infor LX DRP lets you plan distribution by item and facility, each item can have unique planning data within each facility (plant/distribution center). This data includes minimum balance, lead time, planner code, order policy code, standard lot size, and incremental lot size. The requirements and orders are netted for each item at each facility (plant/distribution center).

Distribution Relationships

The system can link each item at each facility to any other facility that might supply it. This allows you to completely define the relationships in distribution networks or multi-plant production environments. The netting logic for an item within a facility in Infor LX DRP is identical to the MRP netting logic with the multiple-plant option.

This function in Infor LX DRP allows how planned orders at a receiving facility to generate shipping requirements for the same item at the shipping facility. This is managed by the Distribution Relationship, DDR, file.

Example:

You perform an Infor LX DRP generation for the Perth distribution center. The normal netting logic takes place for items at Perth and the system creates planned resupply orders. For each item at the Perth distribution center, the DDR file has a record that indicates which logical facility supplies that item to Perth. This DDR record determines at which facility to create a shipping requirement to Perth. If all items are shipped from Melbourne to Perth, then each Perth planned resupply order automatically creates requirements on the Melbourne facility for that item.

These requirements are offset by the Perth item's lead time (with any DDR adjustment) and may have quantity adjustments for conditions like shrinkage in transit. The DDR record also has effective dates so you can plan to switch supply points.

Infor LX DRP is thoroughly flexible. You can set up any combination of logical warehouses, distribution relationships, or purchases. Centralized purchasing for distribution includes multiple plant feeder relationships if you specify the multiple plant option in MRP.

Example:

Some Perth items can be purchased directly, some are supplied by Melbourne, and some are supplied by Sydney. Infor LX DRP handles it all.

Fixed Shipping Schedules

Many companies have fixed shipping schedules to their distribution centers. Infor LX DRP automatically adjusts shipping requirements to match the fixed shipping schedule. The system stores the fixed shipping schedule in the DSC file. The schedule indicates on which days shipments pass from one facility to another. It can also specify the standard shipping capacity on those days in terms of volume, weight, and containers available.

Example:

You may ship from Melbourne to Perth only on Fridays. If you set this schedule in the DSC file, the system backs up shipping requirements for Perth from Melbourne to the previous shipping date. If a shipping requirement falls on Monday, March 24, the system automatically generates it for Friday, March 21. Fixed shipping schedules are optional for each From facility/To facility relationship.

Each distribution relationship between warehouses (plants/distribution centers) can also be qualified by a fixed shipping schedule. For example, you may want to ship from plant #2 to distribution center #3 on alternate Fridays. You can set up this fixed shipping schedule in Infor LX DRP. The system automatically adjusts the logic which creates planned orders and requirements to consider the fixed shipping schedule. When the planner in plant #2 looks at the Infor LX DRP requests, his planned shipments to distribution center #3 already reflect his fixed shipping schedule.

Resupply Orders

A resupply order, RO, is an order to ship from one facility to another. You can enter ROs through two different programs in Infor LX. If you enter a resupply order through customer order entry, it acts like a customer orders as far as the ship-from facility is concerned: you must print shipping papers and make adjustments through billing release. The second way to specify an RO is to release planned and firm planned through Release Planned Orders, DRP540C. ROs create demand on the ship-from facility just like customer orders, and they absorb forecasts and distribution requirements.

A resupply order is basically a customer order if the customer is a facility. Unlike with customer orders, there is no sale, no accounts receivable, and no effect on the general ledger. Like customer orders, resupply orders represent a demand on the supply facility and they follow the whole shipping cycle. The system also tracks additional information, such as insurance value, for resupply orders. In addition to normal customer order information, ROs include the scheduled receipt date at the ship-to facility. ROs act just like purchase orders from the ship-to facility perspective: they are supply scheduled for receipt on a certain date. This allows Infor LX DRP to keep track of in-transit material. A separate RO receipt program allows you to receive ROs.

When a resupply order creates a demand from the supply facility, the order is automatically picked up as a scheduled receipt in the receiving facility. The system receives resupply orders via inventory transactions like any other scheduled receipts.

Transportation Planning

A critical element in any distribution network is efficient shipping. The transportation planner usually plans shipments manually to try to fill full truck loads or full rail cars. Infor LX DRP provides the Transportation Planning Report.

For each supply facility and receiving facility combination, this report summarizes the planned shipments, existing resupply orders, and standard shipping capacity. For example, for the Melbourne to Perth shipping, it summarizes all Melbourne to Perth shipping requirements and resupply orders by Infor LX DRP time frame. To summarize, the system takes the quantities of each item and calculates the total volume, the total weight, and the number of pallets or containers. The basic information for each item, such as volume per unit, weight per unit, and number of units in a container, is part of the Item Master record. The planner can see at a glance which periods have less than full truckloads or rail cars and adjust the shipping schedule accordingly.

Example: This report tells the Melbourne transportation planner the volume, weight, and number of containers in the next shipment to Perth. He can then adjust it far ahead of time to create a full truckload.

Functional descriptions

This section discusses some of the key functions and features of Infor LX Distribution Resource Planning.

Netting Calculation

The system is bucketless Infor LX DRP. It holds both the gross requirements detail and the planned order detail; however, no detail is duplicated from scheduled orders (shop orders, purchase orders, customer orders, and resupply orders).

Many different lot sizing rules are available on an item/facility basis. Examples are period order quantity, discrete above a minimum balance, one-for-one lot, multiple of the standard lot size, and least cost. The item minimum balance is subtracted as part of the netting calculation to be used as safety stock. The netting calculation is the same for phantoms as for regular items.

Time Frames

You can consolidate the DRP detail into 40 time periods for report purposes. The length of the 40 time periods and the start date are completely variable. The system uses the time periods for an optional horizontal-format DRP report.

Firm-planned Orders

Infor LX supports firm-planned orders. It may suggest releases and rescheduling of firm-planned orders, but it does not automatically reschedule as part of the netting logic.

Pegging

Infor LX supports single-level pegging in reports and inquiries. The peg is to the specific order that generated the gross requirement. It contains item and planning information.

Rescheduling and Messages

Infor LX makes the rescheduling assumption that you can expedite a released order before the system will generate a new planned order.

The system generates rescheduling messages by automatically setting a reschedule date for firm-planned orders, shop orders, or purchase orders during the netting logic. The reschedule date, due date, start

date, and current date then combine to produce messages. Possible messages include cancel, expedite, de-expedite, and release. A suggested date accompanies each message.

Planning Horizon

Infor LX has an infinite horizon for planning because all data is stored by date, not by summarized buckets.

Infor LX DRP Inquiries and Reports

An online Infor LX DRP inquiry displays all of the planning detail for an item at a facility and pegs its requirements back to other warehouses. The Infor LX DRP available-to-promise inquiry functions like that of MRP.

Infor LX DRP reports show the gross requirements, customer orders, scheduled receipts, projected on hand, net requirements, and planned order receipts summarized by time frame. Pegging detail, action messages, and scheduled receipt detail can also be shown.

Infor LX DRP time frames can be maintained via Time Frame Maintenance, DRP120B.

A complete set of reports allows users to track, report, and audit all phases of the DRP system by warehouse, class, transportation planning, or resupply order .

Forecasting

Forecasts can be entered and maintained manually for any item.

Infor LX provides several options to include forecasts in the gross requirements. You can use the greater of forecasts or customer orders (consumption of the forecast), add forecasts to customer orders, use forecasts only, or use customer orders only. There are two different types of consumption logic, one for lumpy customer demand and one for smooth customer demand.

Planners

Each item is tied to a planner code. The detail Infor LX DRP report can be printed in sequence by planner, then item or just by item. You can also specify planner code limits and item number limits. In the multi-facility option, the same item can have different planner codes at different warehouses.

Order Policy Codes

A = Discrete (lot for lot). This code generates planned orders in quantities equal to the net requirements on each day. Set up phantom items with this policy code.

F = Least Cost. This code uses the Boe-Yilmaz algorithm to closely approximate the Wagner Whitin algorithm (see Production & Inventory Management, Journal of APICS, Second Quarter, 1983) while eliminating the complex calculations for that algorithm. It is especially useful for uneven demand. An

item with this policy code must have an order/setup cost specified through IDF Enterprise Item. During system installation, specify the MRP parameter holding cost percentage. This parameter indicates the average percentage of the standard item cost to hold that item in inventory for the year (usually about 35%). The algorithm calculates the holding cost for a specified time (until the next order date) using the following formula:

Holding Cost = Holding Cost % x the Standard Cost x (Number of Days until the Next Order – 1) x Quantity Required for the Next Order/365 days

The system then compares the calculated holding cost to the order/setup cost to see if it is better to combine future demand with current demand in one order, or to wait to order future demand when it is needed.

Depending on the system parameters, holding cost and standard item cost can come from different files. If the Run MPS/MRP flag is set to Yes, the Order/Setup Cost must be present in the Facility Planning Data file. If the Run MPS/MRP flag is set to N, the Order/Setup Cost must be present in the Item Master file.

If the Cost by Facility flag is set to Yes, the standard cost must be present in the Facility Planning Data file. If it is set to N, the standard cost must be present in the Item Master file.

If no standard cost exists in the respective file, the system reverts to Order Policy Code A (Discrete).

Example: Suppose you are ready to order an item and look to future demand to see if you should include the next demand with the current order. Given the following information:

Holding Cost = 50%

Standard Cost = 2.00

Number of Days to Hold (until next demand) = 8

Total Required for Next Demand = 100

Order/Setup Cost for Item (from IDF Enterprise Item) = 1.50

The holding cost calculation yields:

.50 x 2.00 x (8 – 1) x 100/365 = 1.9178

Since the calculation shows the cost to hold the item in inventory (1.9178) is greater than the cost to reorder when the demand is actually there (1.50), the system produces a planned order for the current demand only. The system considers the order for the 100 items required eight days later at that point in the MRP run.

G = Fixed Period Requirements. During system installation, the user specifies the number of days of coverage each planned order should provide. You can also specify the number of days of coverage for a specific item from the IDF Enterprise Item, which overrides the system default. The system groups all net requirements for that period and produces one planned order at the start of the period, beginning only on a day that has requirements. A period length of one produces the same order results as a lot for lot code (order type A = discrete).

H = Discrete Above Standard Lot Size. This code produces a planned order of one lot as specified for that item in the IDF Enterprise Item, if the net requirements are less than or equal to the lot size. If the requirements exceed the lot size, the size of the planned order is increased by the excess.

I = Incremental Above Standard Lot Size. This code produces a planned order of one lot as specified for that item in the IDF Enterprise Item, if the net requirements are less than or equal to the lot size. If the requirements exceed the lot size, the size of the planned order is increased by increments specified in the Item Master record for the item.

J = Multiple of the Standard Lot Size. Planned orders are produced for net requirements in multiples of the lot size as these are set up in the IDF Enterprise Item.

If you choose to plan by facility, you can override the values defined for these policy codes in the Item Master for specific warehouses using the Facility Item in the MRP application.

K = Repetitive Order. This code is used for repetitive, high volume manufacturing and variable periods. Order Policy K produces a single firm-planned order which consists of the total requirements of a repetitive order for a given period. You can define up to 152 periods. The period length is variable. Specify a start date for the first period. The system calculates the start/end dates for all subsequent periods.

System flow

You can use the Infor LX DRP application to bring together all the information held in the other Infor LX applications about the movement of inventory items. DRP compares stock on hand and stock on order with stock that the system requires for customer orders or other orders. You can set the time frames to be considered, and you can specify forecasts of expected demand.

If system finds any item overstocked at any time within the specified time frames, it recommends that you cancel or delay certain purchase orders or resupply orders. If a shortage is likely, the system recommends that you expedite purchase or resupply orders, and it creates planned (suggested) orders where necessary. You can add, change, or delete these planned orders, then eventually use them as the basis of purchase or resupply orders. You can view requirements and expected supplies pegged to the individual transaction that caused them. In other words, they can be pegged to the actual customer order, resupply order, purchase order, planned order, or forecast.

There are a number of system parameters that affect DRP. All of them affect the way planned orders are created. These parameters are questions that are normally answered during implementation, although they can be changed later if necessary. There is a description of the Infor LX DRP-related system parameters at the end of application overview section.

As processing continues, other Infor LX applications create events; the system receives resupply orders, fulfills purchase orders, receives or issues inventory, firmly schedules or cancels planned orders, and so on.

You can specify any planning start date.

The system allows up to 40 time frames for reporting purposes. You can define each one as a number of days, starting from any date. The system shows gross and detail material requirements summarized into these time frames.

There is no daily running as such, nor any specific period-end processing, since you perform the planning process as required. You will probably want to review plans and release planned orders on a regular basis. The following is a suggested list of activities:

1. Time frame maintenance. Define the reporting periods to use. Program: DRP120B - Time Frame Maintenance
2. Distribution relationship. Define the distribution supply relationship for each item. Program: DRP100D1 - Distribution Relationship Maintenance
3. Shipping calendar. Define the fixed shipping schedule between any two warehouses. Program: DRP100D1 - Distribution Relationship Maintenance
4. Forecast maintenance. Update forecast item requirements. Program: MRP100D1 - Forecast Entry and Maintenance
5. DRP generation. Regenerate, print, make changes as required, and reprint for each facility. Programs: DRP500D - DRP Generation, DRP510D - Planned Order Maintenance; DRP240D - DRP Report by Facility
6. Reports and inquiries. Run reports as required, especially the Transportation Planning Report, DRP250D. Use Order Maintenance and Firm Planned/Planned Order Maintenance to change release dates as required. Programs: DRP2XX, DRP3XX- Reports and Inquiries; DRP510D - Planned Order Maintenance
7. Create resupply orders. Enter resupply orders (order type 9) as required. These act as scheduled receipts at the facility to supply. Or, generate resupply orders. Display planned orders via the Planned Order Release program. Specify orders for release and conversion into resupply orders through the RO generation program. Program: DRP540D1 - Release Planned Orders
8. Receive resupply orders. You must do this to complete the receipt of resupply orders and put inventory into the distribution warehouses. Program: DRP550D - Resupply Order Receipt

Most files that DRP uses are maintained by programs in other Infor LX applications: Inventory, Order Management, Billing, and Purchasing

Infor LX DRP in special manufacturing/distribution environments

Infor LX Distribution Resource Planning is a powerful and flexible application. Its optimal use depends on proper setup and operation in conjunction with Infor LX Material Requirements Planning, MRP, for different manufacturing/distribution environments.

We will present the correct setup and use of DRP and MRP for two different manufacturing/distribution environments:

- A single manufacturing facility feeding a distribution network.
- Multiple manufacturing facilities feeding each other and then feeding a distribution network.

Environment 1

A single manufacturing facility feeds a distribution network. The key to using DRP successfully in this environment is to follow these guidelines:

Use the Distribution Relationship Maintenance program, DRP100D1, to set up normal distribution relationships, as required for your network. The final From Warehouse should be the manufacturing facility.

For planning purposes, run the DRP Generation program, DRP500D, for each distribution facility in order.

Perform normal Master Production Scheduling and MRP for the manufacturing facility.

If you have raw material warehouses that are different from the manufacturing facility, you perform the following tasks:

Set up distribution relationships between raw material at the manufacturing facility (To Warehouse) and the raw material facility (From Warehouse).

Run DRP on the manufacturing facility first, then run DRP on the raw material facility.

Do your purchase planning from the raw material facility.

Environment 2

Multiple manufacturing facilities feed each other and then feed a distribution network.

Example:

Manufacturing Facility 1 makes item 123-1 from raw material A123.

Manufacturing Facility 2 receives item 123-1 from Manufacturing Facility 1 and makes item 123 from item 123-1.

Manufacturing Facility 2 supplies a distribution network made up of Distribution Centers 1, 2 and 3.

The key to using DRP successfully in this environment is to follow the following guidelines:

The bill of materials in this example looks like this:

123 finished good

123-1 intermediate product

A123 raw material

Use the Distribution Relationship Maintenance program, DRP100D1, to set up a normal distribution relationship for item 123 as in environment one above.

Use DRP100D1 to set up another distribution relationship for item 123-1 with Manufacturing Facility 2 as the To Warehouse and Manufacturing Facility 1 as the From Warehouse.

Run the Facility Items and set the Order Policy Code for item A123 at Manufacturing Facility 2 to a blank code. This means that item A123 is not an MRP item at Manufacturing Facility 2 and that the MRP explosion at that facility does not generate requirements for item A123.

The correct planning sequence for this example is shown in the following program sequence:

1. DRP Generation, DRP500D, for the distribution warehouses.
2. Master Production Scheduling, MRP500C, at Manufacturing Facility 2.
3. MRP Explosion, MRP600C, at Manufacturing Facility 2.
4. DRP Generation, DRP500D, at Manufacturing Facility 2.
5. Master Production Scheduling, MRP500C, at Manufacturing Facility 1.
6. MRP Explosion, MRP600C, at Manufacturing Facility 1.

How Infor LX DRP differs from MRP

The Infor LX DRP system, though based largely on MRP both in concept and in calculations, contains many functions which do differ from its MRP counterpart. The following discussion should help you to differentiate between the functions of MRP and DRP.

Warehouse Planning

Infor LX DRP enables the user to specify planning parameters at each facility. This function, which is also used for multi-plant MRP, lets you vary the planner code, lead time, order policy, minimum balance, standard lot size, and incremental order quantity. Thus, in the DRP situation, where the system is planning the same item at various warehouses, it can use the planning parameters that are set at the facility level. This information is kept on the facility inventory file, so DRP can plan any facility with item inventory with a set of parameters unique to that facility/item combination.

Note: The Infor LX DRP system uses its own time frames; therefore, the periods you see on inquiries and reports can vary from the MRP time frames.

Shipping Schedules

The Infor LX DRP shipping schedules are used along with the shop calendar to plan order dates. The use of the shipping schedule is optional and should specify dates of shipment. Contrast this with the shop calendar, which is specified by exception only. DRP planning considers the shipping schedule for requirements between warehouses and create the planned orders to be shipped on the dates set in the schedule. This is done by moving the date forward in time such that the stock is available when required. Shipping schedules identify relationships between two warehouses only.

Distribution Relationships

The distribution relationships within the network are under the complete control of the user. DRP planning is generated for one facility at a time. The sequence of the generations should correspond to the existing network configuration.

To illustrate this, consider the following distribution network:

Manufacturing Facility CH (Chicago factory) supplies three Distributions Centers: LA (Los Angeles), KC (Kansas City), and LN (London).

These distribution centers supply customer outlets. LA supplies customer outlets SF (San Francisco), KC supplies customer outlet OM (Omaha), and LN supplies customer outlet RD (Rotterdam).

Start the planning for this network at the bottom (customer outlets) and proceed up to the Chicago factory. This way, the system creates the proper requirements up the structure as planning continues. Process warehouses one at a time. If you use the job queue, you can perform the seven required generations for this network in a single job stream.

Note that you can set shipping schedules for any of the facility relationships. One possible processing sequence could be SF, OM, RD, LA, KC, LN, and finally CH. Remember, you control the processing sequence.

Resupply Orders

A resupply order is a customer order with an order type of 9. Infor LX order type 9 is reserved for resupply orders. Resupply orders affect the inventory in the system, but they have no effect on accounts receivable, the general ledger, or sales statistics. You use the standard order processing program to enter ROs into the system. If you are entering a resupply order, Infor LX asks you for a To Warehouse and the date the order is due to the receiving facility. All other order processing proceeds normally. The system looks at the resupply order as demand on the From Warehouse (customer order) and supply to the receiving facility (like a purchase order). The resupply order consumes the forecast at the From Warehouse just like any other customer order.

The following information applies to the To Warehouse:

When you select planned orders to generate into resupply orders in Release Planned Orders, DRP540, Infor LX prompts you to specify a To Warehouse. Infor LX uses the To Warehouse that you specify to scan the Ship-To file, EST. The Ship-To file has a resupply order ship-to warehouse entry for each customer number that is a facility resupplied through Infor LX DRP. The system scans the EST file, finds the first occurrence of the facility number that you specify in Release Planned Orders, DRP540, and uses the Customer Number that is linked to that facility number through your entries in ORD100. That customer number is used for the Resupply Orders that are generated. Thus, it is critical that your entries in ORD100 be made in such a way as to avoid any possible confusion. For example, make sure that you only have one customer number linked to a To Warehouse in Address Master Maintenance, ORD100. This eliminates the possibility of getting the wrong customer for the Resupply Orders that you generate.

The MRP Code fields in the Item Master file, IIM, and Facility Master file, CIC, impact the generation of planned orders during MPS and MRP generation.

Each transaction that affects an item and a facility updates a record for that item and facility. This record also contains information that can override the Item Master order policy codes and determine whether the item will be scheduled by DRP at the specific facility.

If you do not create this record through this program or Facility Items, Infor LX automatically creates the record when you process the first transaction involving the item/facility combination. It retrieves the order policy parameters from the Item Master by default.

Planning occurs under the following file conditions:

Item Master (IIM)	Facility Master (CIC)	Planning done by
M	BLANK	MRP600
BLANK	M	Not planned
BLANK	BLANK	MRP600
M	M	MRP500

Forecast absorption

You can set up your system parameters to have customer orders absorb forecasts for purposes of demand in DRP. When the orders absorb forecasts, only the net forecast value after absorption appears in the planning section of reports and inquiries, such as DRP Report by Facility, DRP240D, DRP Inquiry, DRP300D, and Available to Promise Inquiry DRP310B, and only the net value is used for calculations DRP Generation, DRP500D. The gross forecast value appears in the pegged requirements section of the inquiries and reports.

There are two types of forecast absorption logic. The one that is used depends on the Prorate Forecasts system parameter. The two cases described in the following apply to different business situations.

Case A: Lumpy Customer Demand

For lumpy demand, customer demand during a forecast period typically consists of few orders which have high quantities. Set the Prorate Forecasts parameter to 0 (No). Infor LX does not prorate forecasts that straddle the DRP start date, but it does use open and shipped customer orders to absorb forecasts.

Case B: Smooth Customer Demand

For smooth demand, demand typically consists of many customer orders during the forecast period. Set the Prorate Forecasts parameter to 1 (Yes). Infor LX prorates forecast quantities for forecasts that

straddle the DRP start date, based on the number of days left in the forecast period. The system only uses open customer orders to absorb forecasts.

Yield logic

Infor LX supports yield percentages at the item level. This yield percentage affects the entire planning system for each item with a yield.

In the planning reports, inquiries, and calculations every scheduled receipt and planned receipt quantity is factored by the yield percentage. The open quantity multiplied by the yield percentage is what displays on the DRP planning reports and inquiries. The planned order maintenance programs display net quantities, although gross quantities must be input for planned order changes. See Planned Order Maintenance, DRP510D.

Inquiries and reports in other applications, such as SFC, PUR, INV, and CAP, always show the nominal ordered quantity and remaining quantity. This is also true of the special Print Scheduled Receipts option on the DRP report. The only place in the other applications (SFC, PUR, INV, CAP) where the net quantity appears is in the Material Status Inquiry screen, INV300C, which shows open orders with a running forward balance.

When the system calculates net requirements in DRP generation, it begins with the net requirements without considering yield. It increases those requirements by dividing the yield percentage into the net requirement to create the net requirement adjusted for yield percentage.

Material requirement dates and lead time offsets

Offsets for requirements dates for shipping resupply in the DRP calculations are done automatically by the system.

The offset is calculated by taking the item lead time (from the warehouse inventory file and adjusting it by the distribution relationship offset (plus or minus) for the item.

Example of material requirement offset calculation:

Item lead time: ten days

Distribution offset: minus two days

Item due date: March 25

The required ship date is then March 17.

For planned orders and firm planned orders, the system automatically calculates the release date. It calculates this date from the due date of the planned order, the item lead time, and the lead time offset.

Chapter 3
Programs

3

Distribution relationship maintenance

The Distribution Relationship Maintenance program, DRP100D1, lets you create and maintain distribution relationships. Distribution relationships for a given item define the supplying facility for each facility. The distribution relationship data are maintained in the DDR file.

Changes made to a distribution relationship for an Item/Facility combination do not result in the replanning of the item in a net change DRP generation. To view the changes, you must run a full DRP generation.

Access: DRP menu or press F20 from DRP Inquiry, DRP300D

Add or select a distribution relationship

Use the Distribution Relationship Maintenance selection screen, DRP100D1-01, to create or select a distribution relationship for processing.

Field descriptions - DRP100D1-01

Fields	Description
Act (Action)	Specify the number for the line action to perform and press Enter. To use the first line, specify the line action and at least one key field value. All line actions on this screen perform standard Infor LX functions. See *Generic help text for line actions (p. 15)* in the overview information in this document.
Item Number (35,A):	This is a remembered key field. Specify a specific item number that exists on the Item Master file, or type *ALL to select all item numbers.

To Facility (3,A):	This is a remembered key field. This is the facility the system supplies with the item. This must be a valid facility as defined on the Facility Master Maintenance program, SYS190D1.
From Facility (3,A):	This is the supplying facility for the To Facility. This must be a valid facility as defined in the Facility Master Maintenance program, SYS190D1. If you type an optional From Facility, the system displays data only for this specific From Facility/To Facility relationship on the next screen.

Screen actions - DRP100D1-01

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Add, maintain, or view a distribution relationship

The system displays the item and facility descriptions for the relationship on the Distribution Relationship Maintenance detail screen, DRP100D2-01. You can specify multiple distribution relationships (by start/end dates) on the screen.

This screen lets you specify the distribution relationships for multiple dates at the same time.

Field descriptions - DRP100D2-01

Fields	Description
Option (1,A):	To delete a relationship line, specify a D in this column in the row of the line to deleted; otherwise, leave this field blank. The deletion performs a physical delete in the file. You cannot reactivate the from-facility line. The system performs the deletion is performed after you press Enter to update. Note: Infor recommends that you do not delete a record if there are open resupply orders. Before you delete a record, complete any open resupply transactions and define an appropriate replacement relationship record.
Purchased Item (1,A):	Specify 1 to designate an item as purchased. The system transfers the cost based on the system parameter setting (DRP820) and the setting in Inter Facility Cost Transfer (CST940).

Scenario 1:

- The Transfer costs as a purchase field in CST940 is set to 1=Yes
- The Transfer Purchased Item Costs to Material Bucket field in DRP820 is set to 0=No

The program sums the This Level Cost and the Previous Level Cost in each of the From facility's designated cost buckets (Material, Labor, and/or Overhead) and transfers each summed cost to the corresponding This Level Cost bucket in the To facility for this item. The program also sets to zero the corresponding Previous Level Cost buckets in the To Facility.

Scenario 2:

- The Transfer costs as a purchase field in CST940 is set to 1=Yes
- The Transfer Purchased Item Costs to Material Bucket field in DRP820 is set to 1=Yes

The program sums the This Level Cost and the Previous Level Costs of the From facility's designated cost buckets (Material, Labor, and/or Overhead) and transfers the total of these buckets to a designated This Level Material bucket. The program also sets to zero the corresponding Previous Level Cost buckets in the To Facility.

Specify 0 to directly copy the This Level Cost and the Previous Level Cost for each designated From facility cost bucket to the corresponding This Level Cost and Previous Level Cost buckets in a new Cost Master record for the To facility.

If the Transfer costs as a purchase field in CST940 is set to 0, the results are always the same as when the Purchased Item field is set to 0. The possible combinations are summarized below:

Combination A

Purchased Item, DRP100: Yes

Transfer as purchased item, CST940: Yes

Transfer Purchased Item Costs to Material Bucket, DRP820: No

Result: Item's this level and previous level bucket costs in the From facility are summed and transferred to the To Facility this level buckets; the previous level buckets are set to zero in the To Facility.

Combination B

Purchased Item, DRP100: Yes

Transfer as purchased item, CST940: Yes

Transfer Purchased Item Costs to Material Bucket, DRP820: Yes

Result: Item's this level and previous level bucket costs in the From facility are totaled and transferred to the To Facility this level designated Material bucket. The previous level buckets are set to zero in the To Facility.

Combination C

Purchased Item, DRP100: No

Transfer as purchased item, CST940: Yes

Transfer Purchased Item Costs to Material Bucket, DRP820: Yes or No

Result: Item's this level and previous level bucket costs are transferred directly into the corresponding this level and previous level buckets in the To Facility.

Combination D

Purchased Item, DRP100: Yes

Transfer as purchased item, CST940: No

Transfer Purchased Item Costs to Material Bucket, DRP820: Yes or No

Result: Same as C

Combination E

Purchased Item, DRP100: No

Transfer as purchased item, CST940: No

Transfer Purchased Item Costs to Material Bucket, DRP820: Yes or No

Result: Same as C

From Facility (3,A): Specify the valid number of the From Facility for this distribution relationship. The From Facility is the supplying facility for the To Facility (in other words, where the items come from).

Start Date (6,0): Specify the first date on which this distribution relationship is effective. This can be any valid date. To make the distribution relationship effective immediately, type a date before today.

DRP generation (DRP500) will create a planned resupply order for any minimum balance or unfulfilled requirements prior to the relationship start date and combine them in a planned resupply order placed within the DRP relationship’s start and end dates. If there are no other relationship records defined, requirements that fall after the end date of the relationship will be planned by MPS/MRP as manufactured items.

End Date (6,0): Specify the last date that this distribution relationship is effective. This date must be later than the start date.

Relative Quantity (9,8): This field contains an adjustment factor for the planned order quantity when the DRP generation program, DRP500, explodes it through the distribution relationship file. If more than one From facility supplies a To facility, this represents the relative quantity expressed as the decimal equivalent of the From facility contribution divided by the total in this distribution relationship. The field cannot be equal to or less than zero, but the sum of individual contribution factors is not required to equal 1.

Lead Time (3,0): This field contains an offset adjustment factor to the item/facility lead time. You maintain the item/facility lead time from Facility Items, as an override to the Item Master lead time. This value can be positive, negative or zero, but zero values are not displayed.

Example: If the lead time to supply item ABC to facility LA is usually five days, Facility Items, enters 5 as the item/facility lead time. If it takes two extra days to ship from NY to LA, specify a 2 as the lead time offset in the distribution relationship for NY to LA for item ABC. The total lead time for shipping item ABC from NY to LA is 5 + 2 = 7.

In-transit Warehouse (3,A) Specify the code for the In-transit Warehouse to use to ship goods to this receiving (To) warehouse.

In-transit Location (6,0): Specify the location in the In-transit Warehouse for the goods to ship to this receiving (To) warehouse.

Screen actions - DRP100D2-01

Commands	Description
F20=Bottom	If there are more entries than you can view on a single screen, use F20 to point the display to the screen with the most recent entry. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Distribution relationship list

Distribution Relationship List, DRP110D, produces a printed listing of the facility-specific distribution relationships in sequence by item, from-facility, and to-facility.

Access: DRP menu

Print a distribution relationship list

Use the Distribution Relationship List selection screen, DRP110D-01, to restrict the relationships to selected ranges of item numbers, To and From facilities, and effective dates for the relationships.

This screen contains range fields that you use to limit the data the system selects. For information on range fields, see the *Ranges* topic in the overview section of this document.

Field descriptions - DRP110D-01

Fields	Description
From Item Number (35,A):	Specify a range of values to limit the item numbers to include in the list.
To Item Number (35,A):	Specify a range of values to limit the item numbers to include in the list.
(From) Ship-From Facility (3,A):	Specify a range of values to limit the ship-from facilities to include in the list.
(To) Ship-From Facility (3,A):	Specify a range of values to limit the ship-from facilities to include in the list.
(From) Ship-To Facility (3,A):	Specify a range of values to limit the ship-to facilities to include in the list.
(To) Ship-To Facility (3,A):	Specify a range of values to limit the ship-to facilities to include in the list.
From Effective Date (6,0):	Specify a range of values to limit the effective dates to include in the list.
To Effective Date (6,0):	Specify a range of values to limit the effective dates to include in the list.

Screen actions - DRP110D-01

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Facility planning data maintenance

Use Facility Items to set up item/facility information for transactions. Each transaction that affects an item and a facility updates a record for that item and facility. This record also contains information that can override the Item Master order policy codes and determine whether DRP schedules the item at the specific facility.

If you do not create this record, Infor LX automatically creates it when the system processes the first transaction that involves the item/facility combination. DRP retrieves the order policy parameters from the Item Master by default.

Access:

- **SiW > IDF Infor Development Framework > Materials Management > Facility Items**
- **Ming.le > IDF Infor Development Framework > Materials Management > Facility Items**

Add or select an item/facility record

Use the Facility Items to create or select information for processing.

The MRP and DRP applications share these programs. See the Material Requirements Planning documentation for a discussion of this function.

Shipping calendar maintenance

Use Shipping Calendar Maintenance, DRP150D1, to maintain the fixed shipping schedule from one facility to another facility.

Access: DRP menu

Add or select a shipping calendar

Use the Shipping Calendar Selection screen, DRP150D1-01, to create or select a shipping calendar to ship goods from one facility to another.

Field descriptions - DRP150D1-01

Fields	Description
Act (Action)	Specify the number for the line action to perform and press Enter. To use the first line, specify the line action and at least one key field value.
From Facility (3,A):	Specify the facility code for the facility from which to ship the goods.
To Facility (3,A):	Specify the facility code for the facility to which to ship the goods.

Screen actions - DRP150D1-01

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Add or maintain shipping calendar details

Use the Shipping Calendar Maintenance detail screen, DRP150D2-01, to specify the shipping schedule details for multiple dates for the facility combination you specified.

Field descriptions - DRP150D2-01

Fields	Description
Option (1,A):	Specify one of the following values: D Delete a ship date schedule line. blank Add or change a ship date schedule line. Perform the following steps to add or update a ship date line: **1.** Leave the Option field blank. **2.** Specify the ship date, volume, containers, and weight. **3.** Press Enter. The new line is added to the list on this screen. Correct any invalid data.

4. Repeat steps 1-3 for each new line to add.
5. Use F6 to accept new entries and update the shipping calendar.

Perform the following steps to delete a ship date line:

1. Specify a D in the Option field next to each line that you want to delete.
2. Press Enter. The line is marked for deletion.
3. Use F6 to accept the deletions and update the shipping calendar.

Ship Date (6,0): This date represents the calendar date on which to ship the goods. You cannot type a non-work day as the ship date.

Specify the date in the time zone for the From facility.

Volume (9,0): Specify the standard shipping volume for this ship date. The Transportation Planning Report, DRP250D, uses this value for comparison with the scheduled shipping volume.

Pallets (9,0): Specify the standard number of containers to ship. The Transportation Planning Report, DRP250D, uses this value for comparison with the scheduled number of containers to ship.

Weight (9,0): Specify the standard shipping weight for this ship date. The Transportation Planning Report, DRP250D, uses this value for comparison with the scheduled shipping weight.

Screen actions - DRP150D2-01

Commands	Description
F6=Accept	Use F6 to accept your entries on screen DRP150-02.
F20=Bottom	Use F20 to view the screen that has the last entry (chronologically) for this shipping calendar.

All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Shipping calendar list

Use Shipping Calendar List, DRP160D, to produce a printed listing of all shipping calendar dates in sequence by From facility, To facility and Ship date. The list also includes the volume, weight and number of containers.

Access: DRP menu

Print a shipping calendar list

Use the Shipping Calendar List selection screen, DRP160D-01, to limit the information that appears in the list by entering ranges of dates and facilities to include. For information on range fields, see the *Ranges* topic in the overview section of this document.

Field descriptions - DRP160D-01

Fields	Description
From Ship Date (6,0):	Specify a range of dates to limit the ship dates to include in the schedule. Specify the date in the time zone for the ship from facility.
To Ship Date (6,0):	Specify a range of dates to limit the ship dates to include in the schedule. Specify the date in the time zone for the ship from facility.
From Ship-From Facility (3,A):	Specify a range of values to limit the ship-from facilities to include in the schedule.
To Ship-From Facility (3,A):	Specify a range of values to limit the ship-from facilities to include in the schedule.
From Ship-To Facility (3,A):	Specify a range of values to limit the ship-to facilities to include in the schedule.
To Ship-To Facility (3,A):	Specify a range of values to limit the ship-to facilities to include in the schedule.

Screen actions - DRP160D-01

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

DRP workbench report

The DRP Workbench Report program, DRP220D, allows you to specify filter values for a report to facilitate the planning process. It contains the same selection criteria and data sort options as the DRP Workbench, DRP570D1, plus additional selection filters to use for orders that have minimum expedite and de-expedite days.

The report prints the due date and scheduled receipts date in the time zone for the To warehouse and the released date, requirements need date, and the requirements due date in the time zone for the From warehouse.

Access: DRP menu

Print a DRP planning report

Use the DRP Planning Report screen, DRP220D-01, to specify selection criteria to limit the data to include in the report. The selection criteria for this screen are Facility Code (mandatory for DRP, where you must have a facility for planning), Planner (blank to include all planners), and selection of at least one message. You can leave default values for other fields.

Field descriptions - DRP220D-01

Fields	Description
Facility (3,A):	Specify the Facility from which you want to select items for this report.
Planner (3,A):	Optional. Specify a planner to which to restrict the selection of records. Leave the field blank to include all planners. If you specify a value, it must have a valid record in the Planner/Buyer Master file.
Messages: CANCEL	Specify 1 in front of each message you want to include in the selection. You must select at least one.

If you specify only a single item to include in the selection, Infor LX will include all messages in the selection for that item, regardless of the choices you make here.

Messages: OVER MAX

Specify 1 in front of each message you want to include in the selection. You must select at least one. Only orders with the selected messages will be included in the report.

If you specify only a single item to include in the selection, Infor LX will include all messages in the selection for that item, regardless of the choices you make here.

Messages: DX (de-expedite)

Specify 1 in front of each message you want to include in the selection. You must select at least one. Only orders with the selected messages will be included in the report.

If you specify only a single item to include in the selection, Infor LX will include all messages in the selection for that item, regardless of the choices you make here.

Messages: PAST DUE

Specify 1 in front of each message you want to include in the selection. You must select at least one. Only orders with the selected messages will be included in the report.

If you specify only a single item to include in the selection, Infor LX will include all messages in the selection for that item, regardless of the choices you make here.

Messages: EX (expedite)

Specify 1 in front of each message you want to include in the selection. You must select at least one. Only orders with the selected messages will be included in the report.

If you specify only a single item to include in the selection, Infor LX will include all messages in the selection for that item, regardless of the choices you make here.

Messages: RELEASE

Specify 1 in front of each message you want to include in the selection. You must select at least one. Only orders with the selected messages will be included in the report.

If you specify only a single item to include in the selection, Infor LX will include all messages in the selection for that item, regardless of the choices you make here.

Messages: FIRM UP

Specify 1 in front of each message you want to include in the selection. You must select at least one. Only orders with the selected messages will be included in the report.

If you specify only a single item to include in the selection, Infor LX will include all messages in the selection for that item, regardless of the choices you make here.

Messages: UNDER MIN

Specify 1 in front of each message you want to include in the selection. You must select at least one. Only orders with the selected messages will be included in the report.

If you specify only a single item to include in the selection, Infor LX will include all messages in the selection for that item, regardless of the choices you make here.

Messages: LT VIOL (lead-time violation)

Specify 1 in front of each message you want to include in the selection. You must select at least one. Only orders with the selected messages will be included in the report.

If you specify only a single item to include in the selection, Infor LX will include all messages in the selection for that item, regardless of the choices you make here.

Messages: All Messages

If you select All Messages, you do not need to select individual ones. The report includes orders with any messages that meet the other selection criteria.

Minimum Expedite Days (2,A):

Specify the number of days to use to suppress expedite messages EX. If the reschedule date is earlier than the due date, the difference must be greater than the value you enter here to include a record in the report.

Minimum De-Expedite Days (2,A)

Specify the number of days to use to suppress de-expedite messages DX. If the reschedule date is later than the due date, the difference must be greater than the value you enter here to include a record in the report.

From Item (35,A):

Specify a range of values to limit the items to include in the report. If you select only a single item (From Item equals To Item), Infor LX includes all orders regardless of the messages you specify. It will call the single-item view of DRP Workbench Maintenance, DRP570D3. Only Data Sort 1 (Item/Release Date) is valid for the single-item view. If you specify a range that includes multiple items, Infor LX includes only orders that have the specified messages. It calls the multiple-item view of DRP Workbench Maintenance.

To Item (35,A):

Specify a range of values to limit the items to include in the report. If you select only a single item (From Item equals To Item), Infor LX includes all orders regardless of the messages you specify. It will call the single-item view of

DRP Workbench Maintenance, DRP570D3. Only Data Sort 1 (Item/Release Date) is valid for the single-item view. If you specify a range that includes multiple items, Infor LX includes only orders that have the specified messages. It calls the multiple-item view of DRP Workbench Maintenance.

Through Release Date (6,0):

Required. This date defaults to 99/99/99. Specify the most recent release date to include in the selection. This field applies only if you specify a range of items to include in the selection.

Specify the date in the time zone for the facility.

The report includes planned and firm-planned orders if the release date or reschedule date is on or before the Through Release Date value.

The report includes open purchase orders lines if they have a due date or reschedule date on or before the Through Release Date value . \

For customer order records (resupply inbound), the report includes open re-supply order lines if they have a request date or reschedule date on or before the Through Release Date value.

If you specify All Messages with a date range other than the default of 99/99/99, the report excludes orders with Cancel messages because they have 99/99/99 as the MRP reschedule date.

Pegged Requirements (1,A):

Specify No to exclude pegged requirements from the report. Specify Yes to print detailed pegged requirements. This data is the same as that included in the MRP Exception report, MRP200, except the data here is printed in item/release date sort sequence.

Scheduled Receipts (1,A):

Specify No to exclude scheduled receipts from the report. Specify Yes to print detailed scheduled receipts.

Scheduled receipts detail prints the gross quantity for the order. It does not consider the item yield percentage.

Data Sort (1,A):

Specify how you want to display the selected records. Specify 1 to sort them by item, then release date. Specify 2 to sort them first by release date, next by item.

Only Data Sort 1 applies for a single-item view.

Run Time Parameter (1,0):

Specify Interactive to process the data in real time or Batch to process the data in the job queue. If you select interactive processing, your session is unavailable for other tasks until the job finishes.

Screen actions - DRP220-01

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

DRP summary projections

DRP Summary Projections, DRP230D, prints a summary by item class within planner of all planning information. The report format places general item and planning data in the header, date buckets across the page, and calculations, including gross requirements, scheduled receipts, projected on hand balance, and planned order receipts with their amounts and grand totals).

Note that scheduled receipt quantities represent net quantity of each item's yield percentage (except for resupply orders).

This report prints the planning date in the time zone for the facility. The gross requirements and scheduled receipts are based on the warehouse time zone.

Access: DRP menu

Print DRP summary projections

Use the DRP Summary Projections selection screen, DRP230D-01, to specify the information to include in the report. The information in the report is summarized by item class and planner code. To obtain amount projections, the program extends unit receipts and usage by the item standard cost.

This screen contains range fields that you use to limit the data the system selects. For information on range fields, see the *Ranges* topic in the overview section of this document.

Field descriptions - DRP230D-01

Fields	Description
From Planner (3,A):	Specify a range of values to limit the planners to include in the report.
To Planner (3,A):	Specify a range of values to limit the planners to include in the report.
Amount Projections (1,A):	Specify Y if you want to print amount extensions for each quantity line that contains such an extension. Example: Use this to review projected inventory amounts.

Time Buckets(6,13,20,27,34,40) (2,0):	06 Prints the first six time periods only. 13 Prints the first 13 time periods. 20 Prints the first 20 time periods. 27 Prints the first 27 time periods, etc. 34 Prints the first 34 time periods. 40 Prints all 40 time periods.
Facility (3,A):	Specify the facility code. The report includes orders, requirements and inventory for the facility you specify.
Time Frame (1,A):	Specify the time frame code for the report. Define time frames in the time frame maintenance programs, DRP120B or MRP120D1.

Screen actions - DRP230D-01

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

DRP report by facility

DRP Report by Facility, DRP240D, prints DRP details for selected items at a specified facility. The report includes only items that are set up as master scheduled in Facility Items.

You can sequence the report alphabetically by Item Number or by Item Planner Code.

The report format places general item and planning data in the header, date buckets across the page, and calculations (projected on hand, planned order receipts, available to promise, etc.) down the page.

You can choose to include action messages for orders, pegging requirements, and all scheduled receipts on the report.

To print DRP totals for item classes, run DRP Summary Projections, DRP230D.

Each line on the DRP report contains data calculated as follows:

Gross Requirements: Forecasts, explosions from planned and firm planned orders for other warehouses, and customer orders.

Cust Orders/Mfg Alloc: Customer orders and resupply orders.

Scheduled Receipts: Purchase orders, resupply orders due,. PO quantities are net quantity of each item's yield percentage. (This does not apply to resupply orders).

Projected On Hand: On hand quantity + scheduled receipts (C) - non-nettable on hand quantity - gross requirements (A) + firm-planned orders

Net Requirements: Projected on hand quantity (D) + Planned Order Receipts (F). When negative, this figure creates a net requirement for that amount.

Planned Order Receipts: These are calculated based on net requirements and the order policy code for the item, firm-planned orders, and any manually entered planned orders. These quantities are net of the item's yield percentage.

Planned Order Release: Planned date minus the item lead time for planned orders, the release date for firm planned orders. These quantities are net of the item's yield percentage

Available to Promise: Customer orders (allocations) (up to the horizon date) are deducted from on-hand inventory and the production schedule (scheduled receipts + firm planned orders).

The planning date, horizon date, and demand time fence date are in the time zone for the facility. The due date, reschedule date, and the release date are in the time zone for the warehouse.

For resupply orders, the due date and reschedule date are in the time zone for the To warehouse; the release date is in the time zone for the From warehouse.

Message Logic

PAST DUE

The due date is earlier than to the planning date.

RELEASE

The due date minus the lead time falls on the requirement date for that quantity. Release the order to meet the requirement.

FIRM UP

Expedite this planned order inside the horizon date. This message appears only for planned orders.

EXPEDITE

The due date of an order falls after the requirement date for that order. Adjust the due date so that the release date occurs sooner so you can meet your requirements on time.

DE-EXPEDITE

The order due date falls before the requirement date for the quantity ordered. Move the due date further into the future so that other, more pressing orders can be expedited.

CANCEL

The order is no longer needed because other orders are scheduled to meet the requirements. Cancel this order.

LT VIOLATION

Assuming the order must be released, this message indicates that the release date does not occur sufficiently before the due date to accommodate the item's lead time. Adjust the release date as necessary.

For all cases, the planning date is equal to the DRP start date for reports and online inquiries.

Sample Available to Promise Calculation

Time buckets	1	2	3	4	5	6
On hand	100					
Cust orders	50	100	20	30	50	90
Sched receipts	10	20	50	40	10	
Firm planned	60	20	50			
Difference	60	-80	30	70	-20	-40
ATP	0	-20	30	10	0	0

Access: DRP menu

Print a DRP detail report

Use the DRP Detail Report screen, DRP240D-01, to limit the information to include in the report.

This screen contains range fields that you use to limit the data the system selects. For information on range fields, see the *Ranges* topic in the overview section of this document.

Field descriptions - DRP240D-01

Fields	Description
By Item(I) or By Planner(P) (1,A):	The entry you make determines how Infor LX sorts this listing. Specify I to sort the listing by item number. It ignores the range you specify in the From/To Planner fields. Specify P to sort the listing by planner. It ignores the range you specify in the From/To Item fields.
From Planner (3,A):	Specify a range of values to limit the planners to include in the report.
To Planner (3,A):	Specify a range of values to limit the planners to include in the report.
From Item (35,A):	Specify a range of values to limit the items to include in the report.
To Item (35,A):	Specify a range of values to limit the items to include in the report.
Time Buckets (6,13,20,27,34,40):	Specify the number of periods to include on the report. Example: 6 Prints the first six time buckets. 40 Prints all valid time periods.
Action Messages (1,A):	Specify how you want Infor LX to handle action messages for the items that are scheduled for production: Y Print action messages. N Do not print action messages. O Print only items that have action messages.
Pegged Requirements (1,A):	Specify Yes to print pegging detail in the report, otherwise, specify No.
Scheduled Receipts Detail (1,A):	Specify Yes to print scheduled receipts details in the report, otherwise, specify No.

	Scheduled receipts detail prints the gross quantity for the order. The item yield percentage is not considered. You can include planned orders as scheduled receipts. The system then computes scheduled receipts as the following: Shop orders + Purchase orders + Firm planned orders + Requisitions + Planned orders.
Facility (3,A):	Specify the code of the facility for which to print this report.
Time Frame (1,A):	Specify any valid time frame code. Define time frames in the time frame maintenance programs, DRP120B or MRP120D1.

Screen actions - DRP240D-01

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Transportation planning report

Use Transportation Planning, DRP250D, to print a summary of all planned shipments from a specified warehouse to each other warehouse.

The report summarizes all resupply orders and planned resupply orders by DRP time frame for a specified From warehouse/To warehouse combination. The summarization shows the total volume, weight, and number of containers planned for each period, based on values from the Item Master, IIM, file. Quantity required is stated in stocking unit of measure. The report also shows the standard shipping capacity for each period, based on the fixed shipping calendar.

The report prints the release date in the time zone for the From warehouse and the request date in the time zone for the To warehouse.

Print a transportation planning report

Use the Transportation Planning Report selection screen, DRP250D-01, to specify the ship-from warehouse and the time frame to include in the report. The program prints data for all warehouses that are supplied by the specified ship-from warehouse that have planned resupply shipments.

Field descriptions - DRP250D-01

Fields	Description
Ship-From Warehouse (3,A):	Specify the warehouse from which to ship resupply orders. Only shipments from this warehouse print on the report.
Time Frame (1,A):	This field can contain any valid time frame code. If you leave this field blank, Infor LX generates the requirements report with the default MRP time frame, D, from Time Frame Maintenance.

Screen actions - DRP250D-01

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Open resupply orders by resupply order number

Use Open Resupply Orders by Resupply Order Number, DRP260D, to print a list of all resupply orders, ROs, that are not fully received. You can limit the listing by resupply order numbers, and ship-from and ship-to warehouses for the RO numbers.

Reports include the resupply order number, line number, item, amount ordered, amount received, amount remaining, from warehouse, ship date, to warehouse, and receipt date.

The report prints the ship date in the time zone for the From warehouse and the receive date in the time zone for the To warehouse.

Access: DRP menu

Print a report of resupply orders by RO number

Use the Open Resupply Orders By RO screen, DRP260D-01, to specify ranges of values to limit the data in the report.

This screen contains range fields that you use to limit the data the system selects. For information on range fields, see the *Ranges* topic in the overview section of this document.

Field descriptions - DRP260D-01

Fields	Description
From Resupply Order (9,0):	Specify a range of values to limit the resupply orders to include in the report.
To Resupply Order (9,0):	Specify a range of values to limit the resupply orders to include in the report.
(From) RO From Warehouse (3,A):	Specify a range of values to limit the RO From Warehouses to include in the report.
To RO From Warehouse (3,A):	Specify a range of values to limit the RO From Warehouses to include in the report.
(From) RO Ship-To Warehouse (3,A):	Specify a range of values to limit the RO To Warehouses to include in the report.
To RO Ship-To Warehouse (3,A):	Specify a range of values to limit the RO To Warehouses to include in the report.

Screen actions - DRP260D-01

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Open resupply orders by item/receipt date

Use Open Resupply Orders by Item/Receipt Date, DRP270D, to print a list of all resupply orders that you have not fully received and which meet the selection criteria. The data prints in sequence by item number and scheduled receipt date.

Reports include the resupply order number, line number, item, amount ordered, amount received, amount remaining, from warehouse, ship date, to warehouse, and receipt date.

The program prints data for all ship-from warehouses and ship-to warehouses selected within the range of item numbers you specify.

The report prints the ship date in the time zone for the From warehouse and the scheduled receipt date in the time zone for the To warehouse.

Access: DRP menu

Print a report of open resupply orders by item/receipt date

Use the Open ROs By Item/Receipt Date screen, DRP270D-01, to specify ranges of values to limit the data in the report.

This screen contains range fields that you use to limit the data the system selects. For information on range fields, see the *Ranges* topic in the overview section of this document.

Field descriptions - DRP270D-01

Fields	Description
From Item (35,A):	Specify a range of values to limit the items to include in the report.
To Item (35,A):	Specify a range of values to limit the items to include in the report.
(From) RO From Warehouse (3,A):	Specify a range of values to limit the RO From Warehouses to include in the report.
(To) RO From Warehouse (3,A):	Specify a range of values to limit the RO From Warehouses to include in the report.
(From) RO Ship To Warehouse (3,A):	Specify a range of values to limit the RO To Warehouses to include in the report.
(To) RO Ship To Warehouse (3,A):	Specify a range of values to limit the RO To Warehouses to include in the report.
In Transit Only (Y/N) (1,A):	Specify a Y to print only orders that have been shipped.

Screen actions - DRP270D-01

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

DRP inquiry

Use DRP Inquiry, DRP300D, to view your shipping requirements, planned orders, and scheduled receipts for individual items. The inquiry also displays all DRP messages and pegged requirements.

This program lists all current orders and requirements by due dates. It also provides a running balance for each requirement or order due date. This value represents the numerical difference between the quantity of goods required and the quantity of goods ordered, current to that date.

The fields Item Number and Facility are remembered key fields.

Access: DRP menu or F16 from Available to Promise Inquiry

Specify item and facility for DRP inquiry

Use the Planning/Pegging Inquiry selection screen, DRP300D-01, to specify the item and facility to use for the inquiry.

Field descriptions - DRP300D-01

Fields	Description
Item Number (35,A):	Specify the item for which you want to view the planning/pegging requirements.
Facility (3,A):	Specify the facility for which you want to see DRP data for the item entered above.

Screen actions - DRP300D-01

Commands	Description
F10=Purchase Orders	Access Purchase Order Selection, PUR500-01.
F13=Pegging	Access Pegged Requirements Inquiry, DRP300D-03.

F15=Planned Orders	Access DRP Maintenance, DRP510D-01.
F16=Mtl Status	Access Material Status Inquiry Summary, INV300D-02.
F19=Forecasts	Access Forecast Selection, MRP100D1-01.
F20=Dist Relationship	Access Distribution Relationship Maintenance, DRP100D1-01.
F21=RIse Order	Use F21 to access Planned Resupply Order Release Select, DRP540D1-01. All planning information for the item appears in date sequence. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Display planning information

The system displays the Planning/Pegging Inquiry planning screen, DRP300D-02, after you specify an item number and facility on the previous screen and press Enter, or after you press F13 in screen Planning/Pegging Inquiry pegging, DRP300D-03.

Requirements result from several sources, which are listed below:

Customer Orders (Order Entry)

Resupply Orders (Order Entry, Type 9) (DRP RO Generation -- DRP540)

Forecasts (Forecast Maintenance -- MRP100D1)

Dependent Demand (DRP Generation -- DRP500D1)

The source of a particular requirement is designated by a prefixed letter to the entry in the reference number field (Ref. #). Specifically, Infor LX uses the first letter of the four requirement sources that are listed above (C = Customer, M = Dependent Demand for Manufacturing, F = Forecast, R = Resupply).

The fields Item Number and Facility are remembered key fields.

The report displays control numbers for items that are CNS controlled.

With a few exceptions, the report retrieves the header information that appears on the DRP Inquiry screens, DRP300D-02, from the Item Master file.

The planning date, horizon date, and demand time fence date are in the time zone for the faciity.

Orders and Requirements:

This program displays information for orders and requirements. The portion of the screen labeled for Orders displays all purchase orders, resupply orders, and both planned and firm-planned orders that currently exist on the system. The release and due dates are in the time zone for the warehouse. For resupply orders, the due date and the reschedule date are in the time zone for the To warehouse; the release date is in the time zone for the From warehouse. The reference number field here contains the

purchase order or resupply order number. This field also identifies firm-planned orders (F.P.O.) and planned orders (PLANND). A letter immediately preceding the reference number further characterizes the line as follows:

Code	Type of order or requirement
Q	Requisition
R	Resupply Order
S	Shop Order
P	Purchase Order
L	Preliminary Purchase Order

The Action field contains applicable action messages for the various orders.

Field descriptions - DRP300D-02

Fields	Description
Item Number (35,A):	This is a remembered key field. Specify the item for which you want to view the planning/pegging requirements.
Facility (3,A):	This is a remembered key field. Specify the facility for which you want to see DRP data for the item entered above.
Quantity On Hand:	This value results from adjustments that are made to inventory through one of the inventory adjustment options, such as the Inventory Transaction program, INV500.
Alloc Mfg:	For manufacturing only. This field contains the manufacturing allocations that result from shop orders and MRP/DRP planned orders.
Alloc Cust:	This field contains the customer allocations that result from the Customer Order Entry program.
Alloc RO:	This field contains the total amount of resupply order allocations that result from Release Planned Orders, DRP540, or ROs in Order Entry, ORD700.
Horizon Date:	To calculate this date, Infor LX adds the number of horizon days, as recorded in the System Parameter file, to the start date from the last run of DRP Gen-

eration, DRP500D. If a horizon time exists for the item in the Item Master, Infor LX uses that horizon as an override value for the default system parameter horizon days.

On Order: This field contains the total amount of all ordered goods that result from shop orders, purchase orders, and resupply orders.

In-Transit: This field represents the quantity shipped minus the quantity received for orders with a To Warehouse and an Invoiced status.

Method: The entry in this field reflects the method used to determine the gross requirements. Your business selected one of three possible methods in the System Parameter file (Generate Parameters -- SYS800).

Activity: A Y in this field indicates that a transaction or other facility planning activity has occurred for this item/facility since the last DRP Generation.

Action Field -- Message Logic

PAST DUE

The due date is earlier than the planning date.

RELEASE

The due date minus the lead time falls on the requirement date for that quantity. Release the order to meet the requirement.

FIRM UP

Expedite this planned order inside the horizon date. This message appears only for planned orders.

EXPEDITE

The due date of an order falls after the requirement date for that order. Adjust the due date so that the release date occurs sooner so you can meet your requirements on time.

DE-EXPEDITE

The order due date falls before the requirement date for the quantity ordered. Move the due date further into the future so that other, more pressing orders can be expedited.

CANCEL

The order is no longer needed because other orders are scheduled to meet the requirements. Cancel this order.

LT VIOLATION

Assuming the order must be released, this message indicates that the release date does not occur sufficiently before the due date to accommodate the item's lead time. Adjust the release date as necessary.

LOT AVAIL

This message appears for lots that are available as of the MRP start date.

LOT EXPIRE

This message appears for lots that are expired as of the MRP start date.

For all cases, the planning date is equal to the DRP start date for reports and online inquiries.

Screen actions - DRP300D-02

Commands	Description
F10=Purchase Orders	Access Purchase Order Selection, PUR500-01.
F13=Pegging	Display the requirements pegged to their source. This screen shows each requirement from the left hand column in date sequence along with the source of that requirement.
F15=Planned Orders	Access DRP Maintenance, DRP510D-01.
F19=Forecasts	Access Forecast Selection, MRP100D1-01.
F20=Dist Relationship	Access Distribution Relationship Maintenance, DRP100D1-01.
F21=Rlse Order	Access Planned Resupply Order Release Select, DRP540D1-01. All planning information for the item appears in date sequence. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Display pegging information

The Planning/Pegging Inquiry pegging screen, DRP300D-03, displays pegging information when you press F13 from the selection or planning/pegging inquiry detail screens, DRP300D-01 or DRP300D-02.

The fields Item Number and Facility are remembered key fields.

The pegging screen shows the following requirements detail:

Quantity Required

Date Needed, in the time zone for the warehouse

Requirement Order Type (customer, resupply, planned, and firm planned order)

Due Date (Schedule Date from the customer order line, in the time zone for the warehouse)

Item Number, Customer Number or Ship-to Warehouse

Control Number

Planned co-product and by-product supply orders appear on the pegging screen. The are identified on the screen as PLN-CD under the For column. Co-products and by-products are not demands for this item, but Infor LX displays them to show the parent item.

The horizon date and demand fence date are in the time zone for the facility.

Field descriptions - DRP300D-03

Fields	Description
Item Number (35,A):	This is a remembered key field. Specify the item for which you want to view the planning/pegging requirements.
Facility (3,A):	This is a remembered key field. Specify the facility for which you want to see DRP data for the item entered above.

Screen actions - DRP300D-01

Commands	Description
F10=Purchase Orders	Access Purchase Order Selection, PUR500-01.
F13=Planning	Return to the initial Planning/Pegging Inquiry planning screen, DRP300D-02. This screen shows each requirement from the left hand column in date sequence along with the source of that requirement.
F15=Planned Orders	Access DRP Maintenance, DRP510D-01.
F19=Forecasts	Access Forecast Selection, MRP100D1-01.
F20=Dist Relationship	Access Distribution Relationship Maintenance, DRP100D1-01.
F21=Rlse Order	Use F21 to access Planned Resupply Order Release Select, DRP540D1-01. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

DRP generation

This program creates planned orders for up to 20 facilities as a result of the netting logic. It explodes those planned orders through the distribution relationship file to create requirements at other, supplying facilities. Unlike MPS generation, DRP generation plans orders within the horizon.

You must set the parameter Run MPS/MRP by Facility? on screen MRP System Parameters, MRP821D-02, to Yes if you run MPS or MRP with DRP. If you run DRP alone, you can set the value to No.

Access: DRP menu

Time zone conversion

Time zone conversion functionality allows you to view dates correctly for a region, regardless of the time zone in which you operate. The DRP programs convert regional dates that display or are entered on the screen for a specific region, such as that of the facility or the planning warehouse, to the corresponding dates for the time zone that is your system date and time. The DRP programs process date calculations in the system date and time, then reconvert the resulting dates and times to values appropriate to the region of the warehouse or facility before these dates and times are displayed on the screen or printed in reports.

To determine the release date, the system first converts the due date back to the To warehouse time zone, then adjusts the date based on facility or network lead time and the shipping calendar, and finally, uses the From warehouse region code to convert the release date to the system date and time.

Example:

A record to process is associated with a warehouse in Sydney, Australia. The time zone you use for the system date and time is Chicago, IL, USA. The DRP application reads the generation start date and time for the Sydney facility's planning warehouse, converts the date and time to the equivalent for the Chicago time zone, and uses this converted date and time to perform planning calculations. To display the resulting dates and times on screens or in reports, the system converts the results of the calculations back to the equivalent dates and times for Sydney.

Specify DRP generation selection criteria

Use the DRP Generation selection screen, DRP500D-01, to specify selection criteria for the DRP generation.

Field descriptions - DRP500D-01

Fields	Description
Planning Start Date (6,0):	Specify the first date of the planning cycle. Infor LX uses the planning date to plan orders with the forecasts and customer orders as demand. Demand codes and time fences are effective from the planning date, not the current date. Specify the date in the time zone for the facility. If you specify a planning date prior to the current date, Infor LX shows planned orders that are different from the requirements. If the date is prior to the current month, the system drops the requirements. If the date is in the current month, the system prorates the requirements. However, the planned orders in DRP Inquiry are created for the entire forecast amounts of both the prior months and the current month. This is per Infor LX design. Inquiries are designed to reflect the current date. All planning and reports reflect the planning date. To ensure that planned orders match the requirements, generate DRP with the planning date equal to the current date. If the planning start date is a non-work day as defined in the shop calendar and a planned order is generated, the calculated release date is the same as the planning start date.
Generation Type (1,A):	Specify the type of generation: N Net R Regenerative
Facility (3,A):	Specify the facilities for which you want to run the DRP generation. You can specify up to 20 facilities at a time. You must specify valid facility codes in the appropriate order from one to 20, starting at the bottom of the distribution relationship network that you set up. The last facility you specify should be the highest supplying facility. This way, Infor LX creates the proper requirements up the network structure as planning continues. Refer to the discussion and the network example in the How DRP Differs from MRP section of the overview section of this document. For performance reasons, Infor LX creates up to a maximum of 1500 planned orders for a given item/facility combination.

Screen actions - DRP500D-01

Commands	Description
F16=Item/Vendor Quality	Access Item/Vendor Quality program, PUR120D1. You must have group authority to use this screen action.
F17=Item/Facility Quality	Access Item/Facility Quality Maintenance program, SFC121D1. You must have group authority to use this screen action.
	All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Planned order maintenance

This program lets you review and modify planned and firm planned orders for a specific item and facility. It displays all the requirements and order information that you view in DRP Inquiry, DRP300D.

This program lists all current orders and requirements by their due dates. It also provides a running balance for each requirement or order due date. This balance represents the numerical difference between the quantity of goods required and the quantity of goods ordered to that date.

Access: DRP menu or F15 from DRP Inquiry, DRP300D

Specify item and facility for planned order maintenance

Use the DRP Maintenance selection screen, DRP510D-01, to specify an item and facility for the planned order maintenance process.

Field descriptions - DRP510D-01

Fields	Description
Item Number (35,A):	Both planned and firm-planned orders are referenced by the respective item number. This means that you must specify the item number to view both the current orders and requirements for that item.
Facility (3,A):	Specify the facility for which you want to maintain planned orders.

Screen actions - DRP510D-01

Commands	Description
F9=Create	Change the maintenance mode to create. After you select this processing mode, make the appropriate entries and press Enter to continue.
F10=Revise	Change the maintenance mode to revise. After you select this processing mode, make the appropriate entries and press Enter to continue.
F13=Pegged Requirements	Access Pegged Requirements Inquiry, DRP300D.
F19=Forecasts	Access Forecast Selection, MRP100D1-01.
F21=Delete	Change the maintenance mode to delete. After you select this processing mode, make the appropriate entries and press Enter to continue.
F22=Mass Create	Access the Mass Create screen, DRP510D-05, where you can specify all required data for multiple planned orders in a single screen without having to navigate through the Planning and Create/Revise screens for each one. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

DRP maintenance of planned orders

The system displays the DRP Maintenance screen, DRP510D-02, after you specify an item number and facility (and, if necessary, a different maintenance mode) in the selection screen and press Enter. To add, update or delete an order, enter the order due date, type (planned or firm-planned), and From warehouse. Infor LX also displays the control number and applicable scheduling messages for all released orders.

You can also press F13 to produce a pegging requirements inquiry. Use this inquiry to determine which orders to firm up, expedite, de-expedite, delete, and add.

With a few exceptions, Infor LX retrieves the header information that appears on the screen from the Item Master file, IIM, unless you overrode those values in the Facility Costing/Planning, CIC, file.

Message Logic

The following messages may actually appear, depending on the data entered for a specific order. You should perform action indicated by these messages.

PAST DUE

The due date is earlier than to the planning date.

RELEASE

The due date minus the lead time falls on the requirement date for that quantity. Release the order to meet the requirement.

FIRM UP

Expedite this planned order inside the horizon date. This message appears only for planned orders.

EXPEDITE

The due date of an order falls after the requirement date for that order. Adjust the due date so that the release date occurs sooner so you can meet your requirements on time.

DE-EXPEDITE

The order due date falls before the requirement date for the quantity ordered. Move the due date further into the future so that other, more pressing orders can be expedited.

CANCEL

The order is no longer needed because other orders are scheduled to meet the requirements. Cancel this order.

LT VIOLATION

Assuming the order must be released, this message indicates that the release date does not occur sufficiently before the due date to accommodate the item's lead time. Adjust the release date as necessary.

The DRP start date for reports and online inquiries is the same as the planning date.

Requirements result from four separate sources, which are listed below:

- Customer Orders (Order Entry)
- Resupply Orders (Order Entry, DRP RO Generation
- Forecasts (Forecast Maintenance
- Dependent Demand (MPS Explosion)

The source of a particular requirement is designated by a letter prefixed to the entry in the reference number field (Ref. #). Specifically, Infor LX uses the first letter of the four requirement sources (in English) that are listed above (C = Customer, M = Dependent Demand for Manufacturing, F = Forecast, R = Resupply).

Field descriptions - DRP510D-02

Fields	Description
Facility (3,A):	Infor LX displays the facility to use for this order.
Item Number (35,A):	Infor LX displays the number of the item to order.

Description (50,A): Infor LX displays the description of the item to order.

On Hand: This value results from adjustments that are made to inventory through one of the inventory adjustment options, such as the Inventory Transaction program, INV500.

Item Type (1,A): Infor LX displays the item type code for the item to order, as entered in the Item Master. Item types are defined in Item Type Maintenance, INV171. They distinguish categories of stocked material, such as purchased, assembled or fabricated goods.

Item Class (5,A): Item class codes allow you to group items into broad categories to process various reports and inquiries. Item class codes must already be defined using the Item Class Maintenance program, INV160.

Lead Time (fixed) (3,0): Infor LX displays the item/facility fixed lead time set in Facility Items as an override to the lead time set for this item in the IDF Enterprise Item.

Lead Time (variable) (3,0): Infor LX displays the item/facility variable lead time if a Daily L/T rate was set for this item/facility combination in Facility Items. The system adds the calculated value to the fixed lead time to determine lead time for the order.

U/M Infor LX displays the stocking unit of measure for the item to order.

Alloc Mfg This field is used in manufacturing only. It contains the manufacturing allocations that result from shop orders and MRP/DRP planned orders.

Order Policy Infor LX displays the Order Policy code set for this item/facility combination in Facility Items. The order policy code tells Infor LX how to place orders for the item. For a description of the various codes available, see the help text for this field in Facility Items.

Lot Size Infor LX displays the Lot Size for the item to order.

Alloc Cus This field contains the customer and resupply allocations that result from the Customer Order Entry program.

Planning Date: Infor LX displays the DRP Planning Start Date for this facility from Facility Code Maintenance, SYS190D. The date is in the time zone for the facility.

Incr Lot Infor LX displays the quantity to order or increment above the standard lot size when you use order policy code I on MRP/DRP scheduled items. This value comes from Facility Items.

Alloc RO: Infor LX displays the total amount of resupply order allocations that result from Release Planned Orders, DRP540D1, or Order Entry for order type 9.

Horizon Date: The program calculates this date from the number of horizon days from MRP System Parameters, MRP820D-01, added to the start date from the last DRP Generation, DRP500D. If horizon days exist for the item in the Item Master, Infor LX uses that entry as an override value for the system-parameter horizon days.

The date is in the time zone for the facility.

Min Bal: This is the minimum balance required for this item in this facility. The system generates planned orders to prevent the balance from falling below this value.

On Order: This value indicates the total amount of this item on order from all sources (shop orders, purchase orders, and resupply orders).

Method 1: This entry identifies the first method used to determine the gross requirements both within and beyond the planning horizon date. DRP Generation uses one of four possible methods. You set the method in Facility Items. If you do not specify a demand code method when you create a facility planning record, Infor LX uses the Item Master value for this item. If you do not specify a demand code method in the Item Master, Infor LX uses the value you set in MRP Parameters, MRP820D.

Batch: This is the batch size you set for this item/facility combination in Facility Items.

In Transit: This value represents the quantity shipped minus the quantity received for orders with a To Warehouse and an Invoiced status.

Method 2: This entry identifies the second method used to determine the gross requirements both within and beyond the planning horizon date. See the help text for Method 1 for additional detail.

Demand Fence Date: This date sets the demand time fence. The formula for determining this date follows:

Demand Fence Date = Planning Start Date + Demand Time Fence Days.

Set Demand Time Fence Days in the Item Master. You can override that value for an item and facility combination in Facility Items.

The date is in the time zone for the facility.

Yield: Infor LX displays the percent of an order that actually results from the manufacturing process. When you manufacture an item, you can lose some pieces to scrap. This reduces the yield percentage below 100. Set this value in the IDF Enterprise Item.

DRP Code: Infor LX displays the DRP Code for this item/facility combination.

Since each item/facility combination defines a unique relationship, you can redefine whether this is a master-scheduled item for each item/facility combination. Valid entries to this field are M (for Master-Scheduled) or N (for MRP). When you add an item/facility record, the default value comes from the Item Master file. You might want to override the Item Master value if the item could be defined as a finished product at one facility but a component at another.

The value in this field must be M for DRP planning to take place for the item. DRP planning is performed by DRP Generation, DRP500.

This field also impacts the generation of planned orders during MPS and MRP generation. You can define the code through IDF Enterprise Item, or Facility Items.

Activity:

This manufacturing system uses this field. It contains a Y (Yes) or an N (No) to indicate whether any inventory transactions have taken place for this item since the last master production schedule was produced.

Action Message:

Infor LX displays applicable action messages for the displayed orders. The following messages may appear, depending on the data entered for a specific order.

All dates are based on the current date.

PAST DUE

The due date is earlier than the planning date.

RELEASE

The due date minus the lead time falls on the requirement date for that quantity. Release the order to meet the requirement due date at the ship-to facility.

FIRM UP

Expedite this planned order inside the horizon date. This message appears only for planned orders.

EXPEDITE

The due date of an order falls after the requirement date for that order. Adjust the due date so that the release date occurs sooner so you can meet your requirements on time.

DE-EXPEDITE

The order due date falls before the requirement date for the quantity ordered. Move the due date further into the future so that other, more pressing orders can be expedited.

CANCEL

The order is no longer needed because other orders are scheduled to meet the requirements. Cancel this order.

LT VIOLATION

Assuming the order must be released, this message indicates that the release date does not occur sufficiently before the due date to accommodate the item's lead time. Adjust the release date as necessary.

Order Reference Number: Infor LX displays the reason for this order. For example, the order may result from a customer order.

This field contains the purchase or shop order number or identifies planned (PLANND) and firm planned (F.P.O.) orders. A letter preceding the reference number characterizes the line as one of the following:

Q	Requisition
R	Resupply Order
S	Shop Order
P	Purchase Order
L	Preliminary Purchase Order

Order Quantity: Infor LX displays the quantity of the order.

Order Release Date: Infor LX displays the date the order is released to production.

The release date is in the time zone for the From warehouse.

Order Due Date: Infor LX displays the date the order is due to be completed.

The due date is in the time zone for the To warehouse of the facility.

Fr Wh (From Warehouse) Infor LX displays the code for the ship-from warehouse.

Requirements Reference: Infor LX displays the reason for this required quantity. Example: a forecast or a shop order can cause a requirement.

Requirements Quantity: Infor LX displays the quantity of the requirement.

Requirements Need Date: Infor LX displays the date on which the item is needed.

The need date is in the time zone for the requirement warehouse.

Balance: Infor LX displays the amount of the item left in inventory after the order or requirement is satisfied.

Plan Due (6,0): To maintain or add an order, you must first specify the due date and type for the order. This date represents the date on which the customer needs the ordered goods. Infor LX backward schedules the MPS release date from the date you enter here.

Plan Type (1,A): Specify the planned order type, F for firm-planned order or P for planned order. When you generate the master production schedule, firm-planned orders retain the release date you entered in this screen. Planned orders are rescheduled outside the planning horizon.

From Warehouse: (3,A): Specify the code for the ship-from warehouse.

Screen actions - DRP510D-02

Commands	Description
F9=Create	Change the maintenance mode to create. After you select this processing mode, make the appropriate entries and press Enter to continue.
F10=Revise	Change the maintenance mode to revise. After you select this processing mode, make the appropriate entries and press Enter to continue.
F13=Pegged Requirements	Access Pegged Requirements Maintenance, DRP510D-03.
F21=Delete	Change the maintenance mode to delete. After you select this processing mode, make the appropriate entries and press Enter to continue.
F22=Mass Create	Access the Mass Create screen, DRP510D-05, where you can specify all required data for multiple planned orders in a single screen without having to navigate through the Planning and Create/Revise screens for each one. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Create planned or firm-planned orders

After you type a valid planning due date and planning type and press Enter, the program displays the DRP Maintenance - create planned orders screen, DRP510D-04. After you enter a valid planning due

date and planning type and press Enter, it displays net, gross, and order release date information at the bottom.

Quantities are net of the item's yield percentage.

Infor LX does not consider lead time when it firms up planned orders for repetitive (Order Policy K) items. Use MRP Maintenance, MRP510D, for this function.

The control number fields appear only for items with a scheduling level of 1, 2 or 3.

The planning date, horizon date, and demand fence date are in the time zone for the facility.

Field descriptions - DRP510D-04

Fields	Description
Plan Due (5,0):	The date you entered on the previous screen appears in this field. You can override this date. The date is in the time zone for the warehouse.
Plan Type (1,A):	The plan type you entered on the previous screen appears in this field. You can override this code.
Net (12,2):	The net amount of the order appears in this field. You can override this amount.
Gross (12,x):	The gross amount of the order appears in this field. The field is display only.
Sequence (4,0):	Specify a sequence number to allow multiple control numbers on the same day. This sequence number differentiates the control numbers.
This Level Control Number (10,A):	Specify the control number for this level.
Control Number (10,A):	Specify the control number.
Parent Material Method (2,A):	Specify the parent material method.
Parent Routing Method (2,A):	Specify the parent routing method.
Vendor (8,0):	Specify the vendor. The screen shows this field only if the control number schedule level is 1, 2 or 3.

Release Date (6,0): This field displays the scheduled release date for the order. This entry represents the date by which you must schedule the order for the shop floor so that you can deliver the ordered goods on the due date specified earlier.

The date is in the time zone for the From warehouse.

Infor LX calculates a default release date from the item's lead time and the shop floor calendar to backward schedule this date from the due date specified earlier. If a lead time does not exist for the specified item in the Item Master file, Infor LX uses the lead time you specified in the System Parameter file. To override this default entry, specify the desired release date. The date you specify cannot be later than the due date.

Reason Code (3,A): Specify the reason code for this order. If the facility code parameter Reason Code Required is on (Yes), you must make an entry in this field. Your entry must be a valid reason code in the ZCC table PLOREASN.

Reason Code Comment (30,A): Optional. Write a comment related to why you revised the order.

Screen actions - DRP510D-04

Commands	Description
F13=Pegged Requirements	Use F13 to access Pegging Requirements, DRP510D-03. This screen shows the quantities required on specific dates and the source of those requirements. This information is display only. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

View pegged requirements detail

Screen DRP Maintenance pegged requirements detail, DRP510D-03, appears when you press F13 for Pegged Requirements. This screen shows the following requirements detail: Quantity Required, Date Needed, Requirement Order Type (customer, resupply, planned, and firm-planned order), Due Date, Item Number or Customer Number or Ship-To Warehouse.

The horizon date and the demand fence date are in the time zone for the facility.

Screen actions - DRP510D-03

Commands	Description
F13=Planning	Access the DRP Maintenance planning screen, DRP510D-02. This inquiry shows the quantities required on specific dates and the source of those requirements.
F22=Mass Create	Access the Mass Create screen, DRP510D-05, where you can specify all required data for multiple planned orders in a single screen. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Create multiple planned orders

The DRP Maintenance Mass Create screen, DRP510D-05, appears when you activate the screen action F22=Mass Create from other DRP Maintenance screens.

Use this screen to specify multiple planned order records. You can specify up to 16 order records, then press Enter to validate and post them. After you post, the fields are clear again so you can enter the next 16 order records.

If any of the order records contains an error, you get an error message when you attempt to post. The message identifies the records with problems. You cannot post any orders until you correct or delete the bad ones and press Enter again.

Field descriptions - DRP510D-05

Fields	Description
Facility (3,A):	Specify a valid facility code for this planned order. This code must exist in the Facility Master file, ZMF. Define facility codes in Facility Master Maintenance, SYS190.
Item (35, A):	Specify the item for which to create the planned order. This must form a valid item/facility combination with the facility code entered.
From Warehouse: (3,A):	Specify the code for the warehouse from which to ship this order.
Plan Due (6,0):	Specify the due date for the order. This date represents the date on which the customer needs the ordered goods. The system backward schedules the master production schedule release date from this date.

	Specify the date in the time zone for the To warehouse.
Type (1,A):	Specify F (firm-planned order) or P (planned order). Planned orders are rescheduled outside of the planning horizon when you generate the master production schedule. Firm planned orders are not altered.
Net Quantity (11,0):	This field contains the net quantity of the item yield percentage for the planned or firm-planned order. This value must be greater than zero.
Reason Code (3,A):	Specify the reason code for this order. If the facility code parameter Reason Code Required is on (Yes), you must make an entry in this field. Your entry must be a valid reason code in the ZCC table PLOREASN.
Release Date (6,0):	This field displays the scheduled release date for the order. This entry represents the date by which you must schedule the order for the shop floor so that you can deliver the ordered goods on the due date specified earlier. The date is in the time zone for the From warehouse.

Screen actions - DRP510D-05

Commands	Description
F13=Pegging	View the DRP Maintenance pegging screen, DRP510-03. This screen displays a list of the quantities required on specific dates and the source of those requirements.
F15=Planning	Access the DRP Maintenance planning screen, DRP510D-02. This inquiry shows the quantities required on specific dates and the source of those requirements. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Planned resupply order release

The Planned Resupply Order Release program, DRP540D1, lets you select planned orders and firm-planned orders, which you create with the DRP Generation program, DRP500D, for conversion to resupply orders.

The program displays all the planned and firm-planned orders for the To Warehouse (the one you are supplying), based on the item number and date range and other parameters that you specify, so you can select them for release. After you specify the criteria, use F6 to immediately select, release, and print all resupply orders that meet your criteria. Or, you can use F15 to review or modifying the orders in the Planned Resupply Order Release Detail screen, DRP540D2-01, screen.

Access: DRP menu, or F21 from DRP Inquiry

The audit trail prints the scheduled receipt date and the schedule date in the time zone for the To warehouse and the request date in the time zone for the From warehouse.

Select planned orders for resupply order release

Use Planned Resupply Order Release Select, DRP540D1-01, to specify selection criteria for the planned orders that you want to release as resupply orders.

Field descriptions - DRP540D1-01

Fields	Description
From Release Date (6,0):	Specify a range of dates to limit the release dates to include in the selection. The starting point of the range (from limit) defaults to the current date. Specify the date in the time zone for the From warehouse.
To Release Date (6,0):	Specify a range of dates to limit the release dates to include in the selection. Specify the date in the time zone for the From warehouse.
To Facility (3,A):	Specify the facility for the resupply orders that you generate from planned orders through Planned Resupply Order Release, DRP540. Infor LX uses the facility that you specify to scan the Ship-To file, EST. The EST file has a re-supply order ship-to facility value for each customer number that is a facility you resupply through DRP. In Planned Resupply Order Release, Infor LX scans the EST file, finds the first occurrence of the facility number that you specify, and uses the customer number that is linked to that facility number via your entries in Address Master Maintenance, ORD100. The system uses that customer number for the resupply orders it generates. Thus it is critical that you make your entries in Address Master Maintenance such that you avoid any possible confusion. For example, ensure that you have only one customer number linked to a To Warehouse in Address Master Maintenance. This eliminates the possibility of getting the wrong customer for the resupply orders that you generate.

If you do not make a valid entry in the To Facility option, no customer order is created for the released resupply order. Infor LX prints an error message on the DRP540O audit trail. It lists the value that it could not find so you can correct any errors.

Planner Code (3,A): Specify a planner code to select only requirements that are associated with that planner code. Leave the planner code blank to include all planners.

Item Number (35,A): Specify an item number to restrict the planned order display to just one item. Leave the field blank to display planned orders for all items.

Include Non-DRP Orders (1,A): Specify No to display only DRP planned and firm planned orders . Specify Yes to display all planned and firm planned orders.

Country of Destination (3,A): Specify the code of the country to which to ship this load. You can have more than one country of destination if the goods in this shipment are processed in one country, then shipped to a second country. This information is recorded in Box 17 of the Single Administration Document.

Nature of Transaction (2,N): Specify the code to identify the nature of the transaction.

Infor LX validates this code against EC-recognized codes.

Specify one of the following first-digit values:

1

All transactions that involve actual or intended change of ownership in exchange for consideration. This includes capital leasing activities and movements of stock within the same legal entity.

2

Returned and replaced goods.

3

Free-of-charge transactions that involve permanent change of ownership.

4

Goods delivered for processing or repair.

5

Goods returned following processing or repair.

6

Goods moved without transfer of ownership for hire, operating leases, or other temporary use.

7

Joint defense projects or other inter-governmental productions programs.

8

Building materials and equipment as part of a general construction or engineering contract. Declare the value of materials and equipment, not that of the contract.

9

All other transactions.

Specify one of the following second-digit values:

0

All cases where 6, 7, or 8 listed below do not apply.

6

Credit notes.

7

Transactions included on Supplementary Declarations that are not required in boxes 8 or 9 on VAT returns for the same period.

8

Transactions included in boxes 8 or 9 on VAT returns that are not required on Supplemental Declarations.

Infor LX does not require you to use second digit codes 6, 7, or 8. However, we recommend them for VAT reconciliation purposes.

Infor LX adds the Nature of Transaction field to the Purchase Order and Requisition Lines file. The Nature of Transaction Code Table file then validates this code.

Select Planned Orders (1,0): Specify 1 to include planned orders in the selection. Specify 0 to exclude planned orders.

Select Firm Planned Orders (1,0): Specify 1 to include firm-planned orders in the selection. Specify 0 to exclude firm-planned orders.

Use Control Number Selection (1,0): Specify 1=Control No to display the planned orders based on Control Number. Specify 2=This Level Control No to display the planned orders based on the This Level Control Number. Specify 0=No to exclude control number from the selection criteria.

Lower Control Number (10,A):	Specify a range of values to limit the control numbers to include. For information on range fields, see the *Ranges* topic in the overview section of this document.
Upper Control Number (10,A):	Specify a range of values to limit the control numbers to include. For information on range fields, see the *Ranges* topic in the overview section of this document.
Price Resupply Orders (1,0):	Specify 1=Yes to override the default resupply order affects for individual transactions generated through each resupply conversion.
Resupply Orders Affect A/R (1,0):	Specify 1=Yes so that the resupply orders are priced to affect the accounts receivable. This option is not valid if Affect Pricing is off.
Resupply Orders Affect Sales History (1,0):	Specify 1=Yes so that the resupply orders are priced to affect the sales history amounts. This option is not valid if Affect Pricing is off.
Run Time Parameter	Specify Interactive to process the data in real time or Batch to process the data in the job queue. If you select interactive processing, your session is unavailable for other tasks until the job finishes.

Screen actions - DRP540-01

Commands	**Description**
F6=Accept	Immediately select, release, and print all planned resupply orders that meet the selection criteria. If you accept the planned orders from this window and the planned orders include non-DRP orders, an error message appears. You must specify a warehouse for each non-DRP order in the Planned Resupply Order Release Detail screen, DRP5l40D2-01, before you accept the planned orders for release.
F15=Detail	Access the Planned Resupply Order Release Detail screen, DRP540D2-01, to change the quantities, facilities, and release dates before you release the planned orders. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

View or modify planned orders before release

Screen Planned Resupply Order Release Detail, DRP540D2-01, appears after you press F15 in Planned Resupply Order Release Select, DRP540D1-01. It lists all the planned orders that are available to release within the criteria that you specified. Use this screen to review or modify the planned order before you release it. If you specified an item number in the previous window, the records are listed by item and planned due date. If you did not specify an item number, the records are listed by planned due date.

From this screen, you can select the releasable orders that you want to convert into resupply orders. You can change the warehouse, quantity, and actual release date information before you release the planned orders. Those planned orders that you select for release are put into a work file, DRO, for actual conversion.

The Planned Resupply Order Release program, DRP540, uses the following logic for selecting a customer for the released resupply order:

The planned or firm-planned order that is listed in the Planned Resupply Order Release detail screen, DRP540D2, has a To Facility, To Warehouse, and From Warehouse. Infor LX reviews the Address Master File, EST, to find the Ship-To record that is associated with the planned or firm-planned order's DRP Ship-To Warehouse and which also has the planned or firm-planned order's Ship-From Warehouse. Next, Planned Resupply Order Release takes the customer number from the first Address Master record with this To and From warehouse match and creates an order type 9, Resupply (Customer) Order for that customer.

Field descriptions - DRP540D2-01

Fields	Description
Line Actions (2,A):	Specify the number for the line action to perform and press Enter. To use the first line, specify the line action and at least one key field value.
To Facility	Infor LX displays the code and description for the facility you entered on the previous screen.
From/To Release Date	Infor LX displays the release date range from the previous screen.
Item	Infor LX displays the item numbers on the planned order. If a Product Lifecycle Control restriction exists for Resupply Order Entry on the To Item/Faciltiy/Warehouse, the Item Number value will be displayed highlighted.
From Warehouse (3,A):	Specify the warehouse to use to supply the To Warehouse via a resupply order. For DRP orders Infor LX displays the From Warehouse from the KFP file. For non-DRP orders this option is initially blank; you must type a valid warehouse.

If a Product Lifecycle Control restriction exists for Resupply Order Entry on the From Item/Facility/Warehouse, the From Warehouse value will be displayed highlighted.

Planned Release Date Infor LX displays the original release date from the planned order.

The date is in the time zone for the From warehouse.

Planned Quantity Infor LX displays the original quantity from the planned order.

Actual Quantity (11,3): Specify the actual quantity of this item to include on the selected order if it differs from the planned quantity. Otherwise, Infor LX uses the planned quantity.

Planned Due Date Infor LX displays the original due date from the planned order.

The date is in the time zone for the To warehouse.

Actual Due Date (6,0): Specify the actual due date for this planned order, if it differs from the planned date. Otherwise, Infor LX uses the planned due date.

Specify the date in the time zone for the To warehouse.

If you change the due date, Infor LX recalculates the planned release date based on back scheduling of the lead time from Facility Items variable and fixed lead times for the facility, shipping calendar, and shop calendar. This is the same method used in DRP Generation. The two programs differ, however, in that DRP Generation, DRP500D, forward schedules and recalculates the planned due date if the shipping calendar requires this. Release Planned Orders, DRP540C, changes the planned release date based upon the new actual due date you enter, but it does not change the planned due date.

Control Number (10,A): This field contains the Control Number or This Level Control Number, depending on the value on the Planned Resupply Order Release screen. You can override these values. These values update the Order Line file when you create resupply orders.

Infor LX displays these fields for items that have a scheduling level of 1, 2 or 3.

Parent BOM (8,A): This field contains the Parent Material Method code. This value updates the Order line file when you create resupply orders.

This field is displayed for items that have a scheduling level of 1, 2 or 3.

Parent RTG (8,A):

This field contains the Parent Routing Method code. This value updates the Order line file when you create resupply orders.

Infor LX displays this field for items that have a scheduling level of 1, 2 or 3.

Act

Specify the number for the line action to perform and press Enter. To use the first line, specify the line action and at least one key field value. The action codes described in the following section are available:

11=Release

Specify the order to release and copy the Planned Quantity to the Actual Quantity and the Planned Due Date to the Actual Due Date.

13 = De-Select

Deselect the order for release and set the Actual Quantity and Actual Due Date to zero.

All other line actions on this screen perform standard Infor LX functions. See *Generic help text for line actions (p. 15)* in the overview information in this document.

14=Control Number

Display a window that allows you to maintain the control number, parent BOM, and RTG method for an item/description.

Screen actions - DRP540D2-01

Commands	Description
F6=Accept	Use F6 to complete the release of the selected planned orders . The released orders update the DRO work file. This program builds and retains the DRO file.

All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Resupply order receipt

The Resupply Order Receipt program, DRP550D, enables you receive resupply orders into inventory. This is a specialized inventory transaction program specifically for resupply order transactions. Use Inventory Transactions, INV500, on the INV menu for general inventory transactions.

Note that you cannot receive items directly to a type 4 warehouse (Warehouse BOSS) or a type 5 warehouse (WMS-4000) online, because processing is done in the advanced warehouse management system. The receipt can only proceed if you entered the transaction via an SMG and the transaction was created by a GWB program.

If you post transactions for periods that have already been closed through the Inventory Month-End Close program, INV903D, Infor LX updates the appropriate year-to-date totals. In this case, the current month totals are not affected by the posting. If the transaction updates detail historical records, Infor LX updates the previous month totals accordingly. Infor LX stores detail historical records in the files Inventory Warehouse Master, IWM, Customer Master, RCM, and Salesman Master, SSM.

When you select this option, Infor LX displays the available resupply/inventory transactions that you defined through Transaction Effect Maintenance, INV150D1. Only transactions that are set up to affect resupply orders appear here. These transactions have Y (Yes) in the Check Resupply Order field on Transaction Effect Maintenance, INV150D2-01.

Access: DRP menu

Specify resupply order and transaction for receipt

Use the Resupply Order Receipts selection screen, DRP550D-01, to specify the resupply order number, inventory transaction type, and reason code for the receipt.

Resupply order receipts are selected by their resupply order number. Infor LX treats each line of the resupply order as a separate inventory transaction. The effects defined for the specified transaction type actually occur when you exit this program. Consequently, the transaction type determines which fields you can be maintained and which are protected from input. The screen displays the Received Quantity Batch Total.

Field descriptions - DRP550D-01

Fields	Description
Transaction Type (2,A):	Infor LX displays the available resupply/inventory transactions These transactions were set up to affect resupply orders when they were defined in the Transaction Effects Maintenance, INV150D1. Specify the appropriate transaction type code in this field. Transaction types determine which fields allow input and which fields are input-protected on the following screen.
Resupply Order (9,0):	To perform an inventory transaction in this program, you must specify the number of an existing resupply order for which you have received goods. Infor LX prompts you for an override with F13 if you try to receive inventory against a deleted resupply order. If you override the message, Infor LX does not reactivate the deleted resupply order. To specify an inventory transaction for which no purchase order exists, use the Inventory Transactions, INV500D1.
Reason Code (2,A):	Prior to entering a transaction through this program, you must define at least one reason code for each transaction type. If you use more than one reason code per transaction, you can subdivide a transaction type to further identify, or split, the transaction. You must specify a valid reason code for each transaction. Infor LX attaches the reason code to the transaction and displays the reason code description on all inquiries and printed reports.
Comment (35,A):	This field has been provided for a memo. You can add any information that you find helpful. This comment is permanently attached to the transaction for all reports and inquiries; however, it is not used for any processing.
Transaction Date (6,0):	This field contains the current processing date by default. You can override the default. If you produce inventory transaction reports, you can limit the selection of transactions on the report by the transaction date you enter here.
Received Quantity Batch Total (13,3):	Infor LX displays the batch total for resupply order receipts for this session.

Screen actions - DRP550D-01

Commands	Description
F14=Order Inq	Use F14 to access Customer Order Inquiry, ORD300C, which lets you display customer order and resupply order information.
F16=Material Status	Use F16 to access Material Status Inquiry, INV300C. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Resupply order receipt maintenance detail

If you press Enter to continue with Resupply Order Receipts processing, Infor LX displays the Resupply Order Receipts maintenance detail screen, DRP550D-02.

Infor LX displays the transaction type, transaction date, reason code and description, resupply order number and comment from the initial Resupply Order Receipts screen, DRP550D-01. It displays the customer number and name from the resupply order. In addition, if you have the Multiple Currencies application installed, Infor LX displays the base and global exchange rates.

Field descriptions - DRP550D-02

Fields	Description
Transaction Type (2,A):	Infor LX displays the transaction type code you entered on the initial screen.
Resupply Order (9,0):	Infor LX displays the resupply order number you entered on the initial screen.
Reason Code (2,A):	Infor LX displays the reason code you entered on the initial screen.
Comment (35,A):	Infor LX displays the comment, if any, you entered on the initial screen.
Transaction Date (6,0):	Infor LX displays the date of this transaction from the initial screen.
Customer Number	Infor LX displays the customer number for the warehouse to receive the order (ship-to warehouse).
Base Rate	If you have the Multiple Currencies application installed, Infor LX displays the base exchange rate the system uses to convert currency values from the transaction currency of this order to the base currency of the receiving company.

Global Rate

If you have the Multiple Currencies application is installed, Infor LX displays the global exchange rate that it uses to convert currency values from the transaction currency of this order to the global currency of the enterprise.

Line Actions:

This line action is available if STTi is installed:

22=Serial Numbers

If STTi is installed, access the Serial Number Assignment/Confirmation screen to maintain the serial numbers assigned to the order.

Act (2,A):

Specify the number for the line action to perform and press Enter. To use the first line, specify the line action and at least one key field value.

Line (4,0):

Infor LX displays the order line number for the resupply order to receive.

Caution: Although Infor LX allows you to create orders of up to 9999 lines, you can negatively impact system performance if you create a large number of long orders.

Item (35,A):

Infor LX displays the number and description of the line item for the resupply order to receive.

Quantity Shipped/ <Weight>:

Infor LX displays the quantity of the shipped line item.

If you have Dynamic Weights and Measures functionality activated in your Infor LX environment via a field in Order Entry System Parameters, ORD820D-07, and this is a DWM item, Infor LX also displays the quantity value in the equivalent dual unit of measure value. This field does not appear for non-DWM items.

Lot (25,A):

For a lot control item, specify the item's lot number. Items are designated as lot controlled in the Item Master. Lot numbers must be defined for each item in Lot Master Maintenance, INV130D1. You can override this value unless the item has a default stocking location.

If you specify an inactive lot, you will see an error message. You can specify a new lot number or override the message to use the inactive lot. If you override the message, Infor LX reactivates the lot.

Container (10,A):

Infor LX displays the container number for a container-controlled item. You can override this value unless the item has a default stocking location.

This screen does not display this field for packaging items.

Wh (3,A): This field contains the warehouse code of the warehouse where the received goods are stored. You can override this value with a valid warehouse code that is defined in the Warehouse Master file through Warehouse Master Maintenance, INV110D1. However, if the item has a default stocking location, you cannot override the warehouse.

Note that you cannot receive items directly to a type 4 warehouse (Warehouse BOSS) or a type 5 warehouse (WMS-4000) on line, because processing is done in the advanced warehouse management system. The receipt can only proceed if you entered the transaction via an SMG and the transaction was created by a GWB program.

Location (10,A): The screen displays the default receiving location based on the following hierarchy:

1. Forced location in Location Master
2. Forced location in JIT110
3. Default location in Item Master
4. Default location in Location Master
5. Default location in JIT110
6. Default receiving location defined in the Warehouse Master for the resupply-to warehouse

You can override this location if the item has a default stocking location defined in the Item Master.

Note: The screen displays this field if the transaction effects for the specified transaction type require a stocking location.

Ordered/Receive (13,4): Infor LX displays the quantity ordered with the quantity to receive field positioned just below it. Specify the quantity to receive into this warehouse and location for this transaction.

If you have Dynamic Weights and Measures functionality activated in your Infor LX environment and this is a dynamic DWM item, Infor LX also presents corresponding dual unit of measure fields <Wght>. Specify the value equivalent to the quantity to receive in the DWM dual unit of measure. If the item is not a dynamic DWM item, these fields do not appear.

Total Received (11,3): Infor LX displays the total quantity previously received for this line item.

Received (11,3): Specify the quantity received into this warehouse and location for this transaction.

Packaging Item Type: This field appears when the line item is a packaging item that is associated with an inventory line on the resupply order. See a description of the packaging codes in the following table.

1	Regular Packaging
2	Reusable packaging
3	Green packaging

Weight Shipped: Infor LX displays the weight that was shipped.

Weight Received (13,4): Specify the weight received.

Screen actions - DRP550D-02

Commands	Description
F2=Base Exchange Rate	Call the Override Exchange Rate screen to view additional exchange rate information. This function is active if you have MLT is installed and euro processing enabled.
F15=Packaging Inquiry	Access Packaging Master Maintenance, OLM600, in inquiry mode.
F19=Global Exchange Rate	Call the Override Exchange Rate screen to view additional exchange rate information. This function is active if you have MLT installed and euro processing enabled.
F22=Jump	Access the Jump To New Line screen on which you can specify a line number to reposition the list. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Add container information

If the Container and/or the Container Type is blank, press Enter to display the screen Mass Containers Entry, DRP550D-03, and specify container information.

Field descriptions - DRP550D-03

Fields	Description
Cont ID (10,A):	Specify the identification of the containers for the items to receive.
Cont Type (10,A):	Specify the container type.
Quantity (13,3):	Specify the quantity per container.
<Weight> per container (11,4):	If you have Dynamic Weights and Measures functionality activated in your Infor LX environment and this is a dynamic DWM item, Infor LX also presents a corresponding dual unit of measure field <Weight>. For dynamic items, specify the value equivalent to the quantity in each container in the DWM dual unit of measure. For standard DWM items, the system assumes the weight to be the standard weight from the Item Master record. This field does not appear for non- DWM items.

Screen actions - DRP550D-03

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

DRP workbench

DRP Workbench, DRP570D1, consolidates most planner functions under one program. You can create, modify, delete or release planned orders through this single process. You can mark their creation or maintenance with a reason code and/or a comment to further facilitate the planning process.

You can select orders to review or process by facility, planner (all planners is an option), item range and release date. Also, you can limit the selection to orders with one or several specific message types. Only orders with the selected messages are included, unless you specify a single, specific item. In that case, all normal planning data shows for that item, including other supply and demand data.

Note that MRP Release functions take you to Shop Order Release or Purchase Order Release programs, while the DRP Workbench release takes you to Resupply Order Release or Purchase Order Release.

Also, you can perform planned order creation and maintenance here if planned order reason codes are not required for the facility. If planned order reason codes are required, the you will be taken to the appropriate planned order maintenance program. Planned order reason codes are user defined. The DRP Planning report, DRP220, provides the same information in report form.

The ability to consolidate planner functions results in considerable time saving for those involved in the planning process.

Access: DRP menu

Specify selection criteria for DRP planning

Use the DRP Workbench Selection Criteria screen, DRP570D1-01, to select a variety of options to facilitate the planning process. The selection criteria for this screen include Facility Code if you are planning by facility in MRP and always in DRP, where a facility is required for planning, Planner, and at least one message. You can specify values for the following other fields, or you can leave the default values: Item range, Through Release Date, and Data Sort.

If Item To and From are the same, only Data Sort 1 is valid, and Infor LX presents the DRP Workbench - Single Item View screen, DRP570D3. If you set an item range, Infor LX presents the Multiple Item View screen, DRP570D2.

Field descriptions - DRP570D1-01

Fields	Description
Facility (3,A):	Required. Specify the Facility from which to select items.
Planner (3,A):	Optional. Specify a valid planner to which to restrict the selection of records. Leave the field blank to include all planners.
Messages: CANCEL	Specify 1 in front of each message to include in the selection. You must specify at least one message. If you specify only a single item to include in the selection, Infor LX ignores these selections and includes all messages for that item.
Messages: OVER MAX	Specify 1 in front of each message to include in the selection. You must specify at least one message. If you specify only a single item to include in the selection, Infor LX ignores these selections and includes all messages for that item.
Messages: DX (de-expedite)	Specify 1 in front of each message to include in the selection. You must specify at least one message. If you specify only a single item to include in the selection, Infor LX ignores these selections and includes all messages for that item.

Messages: PAST DUE

Specify 1 in front of each message to include in the selection. You must specify at least one message.

If you specify only a single item to include in the selection, Infor LX ignores these selections and includes all messages for that item.

Messages: EX (expedite)

Specify 1 in front of each message to include in the selection. You must specify at least one message.

If you specify only a single item to include in the selection, Infor LX ignores these selections and includes all messages for that item.

Messages: RELEASE

Specify 1 in front of each message to include in the selection. You must specify at least one message.

If you specify only a single item to include in the selection, Infor LX ignores these selections and includes all messages for that item.

Messages: FIRM UP

Specify 1 in front of each message to include in the selection. You must specify at least one message.

If you specify only a single item to include in the selection, Infor LX ignores these selections and includes all messages for that item.

Messages: UNDER MIN

Specify 1 in front of each message to include in the selection. You must specify at least one message.

If you specify only a single item to include in the selection, Infor LX ignores these selections and includes all messages for that item.

Messages: LT VIOL (lead-time violation)

Specify 1 in front of each message to include in the selection. You must specify at least one message.

If you specify only a single item to include in the selection, Infor LX ignores these selections and includes all messages for that item.

Messages: All Messages

Specify 1 in front of this option to include all messages in the selection.

From Item (35,A):

Specify a range of items to include in the selection.

If you specify only a single item to include, Infor LX includes orders with all messages, not just those specified, and it calls the single-item view of DRP Workbench Maintenance, DRP570D3. Only Data Sort 1 (Item/Release Date) is valid for single-item view.

If you specify a range items, Infor LX only includes orders with the specified messages, and it calls the multiple-item view of DRP Workbench Maintenance, DRP570D2.

To Item (35,A):

Specify a range of items to include in the selection.

If you specify only a single item to include, Infor LX includes orders with all messages, not just those specified, and it calls the single-item view of DRP Workbench Maintenance, DRP570D3. Only Data Sort 1 (Item/Release Date) is valid for single-item view.

If you specify a range items, Infor LX only includes orders with the specified messages, and it calls the multiple-item view of DRP Workbench Maintenance, DRP570D2.

Through Release Date (6,0):

Required. Default is 99/99/99. Specify the latest release date to include in the selection. This field applies only if you specify a range of items to include in the selection. Specify the date in the time zone for the facility.

For Planned and Firm-Planned Orders, the selection includes orders that have a release date or reschedule date on or earlier than the Through Release Date value. Blank reschedule dates are ignored.

For Purchase Order records, the selection includes open purchase order lines if they have a due date or a reschedule date that is earlier than the Through Release Date. Blank reschedule dates are ignored. For Customer Order records (resupply inbound), the selection includes open resupply order lines that have a request date or reschedule date on or earlier than the Through Release Date value.

If you select All Messages with a date range other than the default of 99/99/99, orders with Cancel messages are excluded. Cancel messages have 99/99/99 as the MRP reschedule date.

Data Sort (1,A):

Specify how you want to display the selected records. Specify 1 to sort them by item, then release date. Specify 2 to sort them first by release date, next by item.

Only Data Sort 1 (Item/Release Date) is valid for a single-item view.

Screen actions - DRP570D1-01

Commands	Description
Standard screen actions	All screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

DRP workbench -- multiple item view

The DRP Workbench - Multiple Item view, DRP570D2, provides review and maintenance functions for planned and firm-planned orders, as well as access to the following major order maintenance programs: Shop Order Entry/Maintenance, SFC500, Purchase Order Entry/Maintenance, PUR500, Requisition Entry/Maintenance, PUR600, and Order Entry/Maintenance, ORD700. It presents supply data for multiple items.

This screen appears if you specified a range of items in the selection screen. Infor LX only displays order (supply) information for the items selected. The data sort is based on the value you entered in the previous screen. It can be either by Item/Release Date or by Release Date/Item. Since not all order types have a release date, the Date/Item sort logic is as follows, based on order type:

Order Type	Date Type to use in Sort
Purchase order	Due date
Requisition	Due date
Shop order	Release date
Customer Order	Requested ship date
Planned Order	Release date
Resupply Order	Release date

If you use F11 (Fold), Infor LX displays the following additional fields for the selected records: Item Description, Gross Quantity, From Warehouse (for DRP items), and Item Type.

Field descriptions - DRP570D2-02

Fields	Description
Facility (3,A):	Infor LX displays the facility specified on the preceding screen
Planner (3,A):	If you limited the selection to a specific planner on the preceding screen, Infor LX displays that choice here.
Item (35,A):	In the header, this field represents the lower item in the defined range to include in this selection. In the list, it is the item to which this planning information pertains. Infor LX displays the item number for each record from the appropriate file: planned order, KFP, purchase order, HPO, or resupply order, ECL. If you specify an item number on the prompt line, Infor LX will validate it against the Item Master, IIM. You can also prompt to select a value from the Item Master file.
To Item (35,A):	This field represents the upper item in the defined range you included in the selection.
Msg Sel:	Infor LX displays all of the message types you included in the selection.
Sort by:	Infor LX displays the record data sorting method you selected in the preceding screen.
Through Date (6,0):	Infor LX displays the latest release date, reschedule date, or due date that you specified on the preceding screen for orders to include in the selection. The date is in the time zone for the facility.
Line Actions (2,0):	The following actions are available on this screen: **3=Firm/Unfirm** Use this action on the prompt line or in the list. It applies only to planned or firm-planned orders. If the facility's parameter for the field KFP Reason Code Required is set to Yes, then Planned Order Maintenance, DRP510, is called to allow you to change the type from Planned to Firm Planned, or conversely. If you use this action on the prompt line, you must also specify Item, Warehouse, Due Date and Type, P/F.

If the facility's parameter for the field KFP Reason Code Required is set to No, then the KFP record is firmed from here. You must specify Item, Warehouse, Due Date, and Type for entry on the prompt line.

5=Release

Call Planned Resupply Order Release, DRP540 and create a Resupply Order.

9=Create KFP with Comments

This action functions like action 1=Create except that it is only valid to create Planned or Firm Planned orders (Type = P or F). You can create these orders with comments in Planned Order Maintenance, DRP510.

10=Material Availability

You can use this action on the prompt line or beside list records. If you use the prompt line; you must also specify the Item Number.

Press Enter to call Material/Capacity Availability, SFC350D2-01. Existing edits within Material/Capacity Availability are processed and the program stops if errors exist, regardless of whether you called it was via the prompt line or the list.

11=Planning/Pegging Inquiry

Call Planning/Pegging Inquiry program, DRP300.

All other line actions on this screen perform standard Infor LX functions. See the overview information in this document.

All other line actions on this screen perform standard Infor LX functions. See *Generic help text for line actions (p. 15)* in the overview information in this document.

Act (2,A): Specify the number for the line action to perform and press Enter. To use the first line, specify the line action and at least one key field value.

Message (8,A): Infor LX displays the message associated with this order in its current status.

Type (1,A): Infor LX displays the type of order. If it is a planned or firm-planned order, Infor LX displays P (planned) or F (firm-planned) from the Planned Order File. For other order types, the display is based on order reference number:

Ref# Prefix	Order Type
P (purchase order)	H
L (preliminary purchase order)	

Q (purchase requisition)	Q
R (resupply order)	R

Fr (3,A): Infor LX displays the warehouse for the order. It is the From Warehouse from the Planned and Firm-Planned Orders file, KFP.

Ref No: Infor LX displays the reference type for the order: planned order P, firm-planned order F.P.O., purchase order Pnnnnnnnn, requisition Qnnnnnnnn, replenishment order Rnnnnnnnn, shop order number Snnnnnnnn.

Quantity (11,3): This is the net quantity for the order (planned quantity * item yield/100).

Rel (release date) (6,0): This is the release date for the order. This date is maintainable on the prompt line for order creation.

The order release date is displayed and is calculated from the due date. You can specify the date, but it cannot be later than the due date. The release date is required for creation and maintenance of repetitive items (order policy K).

Specify the date in the time zone for the warehouse.

Due (due date) (6,0): This is the due date for the order. You can specify this date when creating an order on the prompt line. If you specify this date, it cannot be earlier than the release date.

Specify the date in the time zone for the warehouse.

Screen actions - DRP570D2-02

Commands	Description
F10=Purchase Orders	Access Purchase Order Release/Maintenance, PUR500, to create or maintain purchase orders.
F13=Item/Rel Date	Toggle between sorting the records on the screen by Item or by Release Date.
F20=Requisitions	Access Requisition Maintenance, PUR600, to create or maintain requisitions.
F21=Shop Orders	Access Shop Order Entry/Maintenance, SFC500, to create or maintain shop orders.
F22=Customer Orders	Access Order Entry, ORD700, to create or maintain customer orders.

All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

DRP workbench - single item view

The program displays DRP Workbench - Single Item View, DRP570D3, if the item To and From values are the same in the selection screen. Infor LX displays both orders (supply) and requirements (demand) for the selected item. It sorts the data by need and due date.

The screen offers review and maintenance functions for planned and firm-planned orders. It also provides access to the major order maintenance programs: Shop Order Entry/Maintenance, SFC500, Purchase Order Entry/Maintenance, PUR500, Requisition Entry/Maintenance, PUR600, and Order Entry/Maintenance, ORD700.

Use F11=Fold, to display additional fields. Help text for these fields is available within the help text for screen action F11.

Field descriptions - DRP570D3

Fields	Description
Item (35,A):	In the header, this field represents the item you specified on the selection screen. This is the item to which this detail planning information pertains. Infor LX displays the item number for each record from the appropriate file: planned order, KFP, purchase order, HPO, shop order, FSO, or resupply order, ECL. If you specify an item number on the prompt line, Infor LX validates it against the Item Master, IIM. You can also prompt to select a value from the Item Master file.
Facility (3,A):	Infor LX displays the facility specified on the selection screen.
Facility/Item Descriptions:	Infor LX displays the facility and item descriptions for the item specified on the selection screen.
Planner (3,A):	If you limited the selection to a specific planner on the selection screen, Infor LX displays that choice here.
Planner Description (3,A):	If you used planner as a selection criterion on the selection screen, Infor LX displays its description here.
Item Type (1,0):	Infor LX displays the item type of the item specified on the selection screen.

Line Actions (2,0):

The following actions are available in this screen:

3=Firm/Unfirm

Use this action on the prompt line or in the list. It applies only to planned or firm-planned orders.

If the facility's parameter for the field KFP Reason Code Required is set to Yes, Planned Order Maintenance, DRP510, is called to allow you to change the type from Planned to Firm Planned, or conversely. If you use this action on the prompt line, you must also specify Due Date and Type (P/F).

If the facility's parameter for the field KFP Reason Code Required is set to No, then the KFP record is firmed from here. You must specify Due Date and Type for prompt line entry.

5=Release

Call Planned Resupply Order Release, DRP540, and create a resupply order.

9=Create KFP with Comments

This action functions like action 1=Create except that it is only valid to create Planned or Firm Planned orders (Type = P or F). You can create these orders with comments in Planned Order Maintenance, DRP510.

10=Material Availability

You can use this action on the prompt line or beside the list record.

Press Enter to call Material/Capacity Availability, SFC350D2-01. Existing edits within Material/Capacity Availability are processed and the program stops if errors exist, regardless of whether you called it was via the prompt line or the list.

11=Planning/Pegging Inquiry

Call the Planning/Pegging Inquiry program, DRP300.

All other line actions on this screen perform standard Infor LX functions. See *Generic help text for line actions (p. 15)* in the overview information in this document.

Act (2,A):

Specify the number for the line action to perform and press Enter. To use the first line, specify the line action and at least one key field value.

Message

Infor LX displays the message associated with this order in its current status.

Tp (1,A): Infor LX displays the type of order. If it is a planned or firm-planned order, Infor LX displays P (planned) or F (firm-planned) from the Planned Order File. For other order types, the display is based on order reference number:

Ref# Prefix	Order Type
P (purchase order)	H
L (preliminary purchase order)	
Q (purchase requisition)	Q
R (resupply order)	R

Fr (from warehouse) (3,A): Infor LX displays the warehouse for the order. It is the From Warehouse from the Planned and Firm-Planned Orders file, KFP.

Ref No: Infor LX displays the reference for the order: planned order P, firm-planned order F.P.O., purchase order Pnnnnnnnn, requisition Qnnnnnnnn, replenishment order Rnnnnnnnn.

Quantity (11,3): This is the net quantity for the order (planned quantity * item yield/100).

Rel (release date) (6,0): This is the release date for the order. This date is maintainable on the prompt line for order creation.

The order release date is displayed and is calculated from the due date. You can specify the date, but it cannot be later than the due date. The release date is required for creation and maintenance of repetitive items (order policy K).

Specify the date in the time zone for the warehouse.

Due (due date) (6,0): This is the due date for the order. You can specify this date when creating an order on the prompt line. If you specify this date, it cannot be earlier than the release date.

Specify the date in the time zone for the warehouse.

Ref No: The reference number here could be a forecast from the Material Requirements file, Cnnnnnnnn (customer order) from the Customer Order Lines file, ECL, or Planned from the Material Requirements file, KMR.

Quantity:	Requirements. Infor LX displays the Quantity Required from the Material Requirements file, KMR, or the customer remaining quantity.
Need:	This is the Date Required from the Material Requirements file, KMR, FMA Date required, & ECL Requested date.

Screen actions - DRP570D3

Commands	Description
F10=Purchase Orders	Access Purchase Order Release/Maintenance, PUR500, to create or maintain purchase orders.
F11=Fold	Display additional fields on this screen. When you fold the screen, the system displays the following additional fields: Grs (gross quantity for the order). Order side. Infor LX displays the gross quantity as the planned order quantity directly (it is not adjusted by yield). Quantity. Requirements side. Infor LX displays the Quantity Required from the Material Requirements file, KMR, customer remaining quantity, shop order remaining quantity. Balance. Requirements side. Infor LX displays the running inventory balance.
F20=Requisitions	Access Requisition Maintenance, PUR600, to create or maintain requisitions.
F21=Shop Orders	Access Shop Order Entry/Maintenance, SFC500, to create or maintain shop orders.
F22=Customer Orders	Access Order Entry, ORD700, to create or maintain customer orders. All other screen actions on this screen perform standard Infor LX functions. See *Generic help text for screen actions (p. 16)* in the overview information in this document.

Appendix A
Glossary

A

Ranges

Ranges refer to fields you can use to limit an inquiry or report or to display specific data. If there are multiple range fields in a program, you can tailor your inquiry or report to produce only the data you need.

Infor LX sorts the information alphanumerically. Therefore, the value in the From field must be a lower alphanumeric value than the value in the To field.

Infor LX usually inserts extreme values as defaults in the lower and upper fields. See the description for Extreme values by default. The entries you make in range fields do not have to be valid values in a database file.

Review the following suggestions to limit the information:

Specify the first value to include on the inquiry or report in the From field. Leave the To field blank to include all information to the end of the file. For example, you can print a report that starts with the customer number you specify in the From field and stops at the end of the Customer Master file.

Specify the last value to include on the inquiry or report in the To field. Leave the From field blank to start at the beginning of the file. For example, you can perform an inquiry that starts with the beginning of the Customer Master file and ends with the customer number you specify in the *To* field.

Specify the same value in both the *From* and *To* fields. For example, you can limit a display to one customer.

To include a group of items, specify a value in the *From* field and another value in the *To* field. For example, you can perform an inquiry that starts with the first of the month and ends with the last day of the month.

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