



Getting Started

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What's New in Version 5.0?

For information on the latest update, see "Revision History" on page 12.

Version 5.0 represents a major enhancement to the Supply/Demand ToolBox application. In addition, we've greatly enhanced the ToolBox user interface and added 32-bit support for WinWin and Windows '95 users.



PowerBuilder 5.0

The application has been completely rewritten using PowerBuilder version 5.0, which is a Microsoft Windows development environment. This new version provides an enhanced user interface and improved performance and reporting facilities.



Job '96 Data Sources

We replaced the old sales order entry system (STAR) with the new SAP R/3 Sales and Distribution data sources (Job '96). This affects several reports (such as Buyer/Planner, BAT, and CAT) which are based upon this data.



16-Bit and 32-Bit Support

In addition to 16-bit version for Windows 3.1 and Windows '95, a 32-bit version is also available for Windows NT platforms.



New Installation Process

A new, enhanced installation process is now used to install the ToolBox. This also affects the behavior of the ToolBox icon on your desktop. You can install the ToolBox from the Intranet as well as the Novell network servers. There is a small installer program at the ToolBox website: sdtoolbox.hf.intel.com/sdtools/sdtoolbox.htm, which downloads and installs the 16- or 32-bit version of the ToolBox. For more information, see “Installing the ToolBox” on page 5.

Other Enhancements

There are numerous smaller enhancements to the ToolBox:

- The ToolBox automatically updates itself. (This applies to web-based installations.) Each time you launch the ToolBox, it automatically detects, downloads and installs new components via the Intel Web.
- Context-sensitive help can be accessed from any point in the program by clicking the help button in dialog boxes and by pressing <F1> on your keyboard.
- Up-to-date documentation, available in Acrobat, MS Help, and web, is on our website: sdtoolbox.hf.intel.com/sdtools/sdtoolbox.htm. This is also available in printed form.
- Added support to new Sales Order Entry System (Job '96). Removed dependency on STAR.
- Improved year 2000 compliance (MAX data is still not year 2000 compliant).
- New, easy to use filter dialog lets you narrow the reported data. You can save a unique filter setup for each report type.
- You can sort on computed or calculated columns. Available on all reports.
- New Hide/Show Columns dialog. Available on all reports.
- You can run additional queries while examining a finished report, thus improving your productivity.
- Dockable Toolbar.
- Cancel Query ability fixed or added to all reports.
- New Zoom dialog with preview window.
- Added right-mouse button support to all reports.
- Ability to view and edit User feedback.
- Ability to view and edit New News.
- New Win '95 style tree list for selecting reports.
- New Win '95 style tab interface.
- Ability to print report list.
- True Intel calendar pop-up added to various date fields.
- Enhanced status line now displays available free memory and/or resources.

Overview of the ToolBox

The Supply/Demand ToolBox combines a number of reporting tools, making it easy for Systems Manufacturing personnel to locate and execute reports related to inventory and materials management. Anyone with interest in inventory and manufacturing supply/demand information and processing is a potential user of this software.

The ToolBox accomplishes the following goals:

- Standardize “look and feel” across reports.
- Improve visibility of reports related to inventory, materials supply and product demand.
- Raises the awareness of report similarities and discrepancies that are not apparent when the reports are offered through independent projects.
- Unifies terminology, query criteria and calculation methods across reports.
- Reduces the number of applications/projects needed for systems manufacturing inventory and materials management and analysis.
- Speeds delivery of report distribution.
- Simplifies the process of generating the reports.
- Increases the usefulness and the quality of information provided by the reports.
- Provides localized reporting using data stored in Puerto Rico, Ireland, Oregon and Kulim.

Stop! I’m Overwhelmed!

This is the section you read when all hope of comprehending it all is lost. No one will criticize you if you put a bookmark here. The ToolBox is a complex set of tools, with features in every nook and cranny. It’s easy for a beginner to become overwhelmed.

The key to dealing with hundreds of pages of documentation is: *focus*. For example, your next task might be Logging On (page 8). Or you want to know how to find the report you need for your job. The best way to focus is to *set a goal* of what you’d like to learn in one sitting.

This manual (as well as the product) has evolved quite a bit since its beginnings in 1995. We’ve added a quick table of contents for each chapter so you can see, at a glance, what page to jump to. We’ve also added screen captures of the query screens and reports to show you what the software actually does.

And you’ll occasionally see margin notes. These help to direct your attention to important concepts or pointers to related information.

From time to time, you’ll see margin notes like this one. That’s where you’ll find hints and tips.

Where Do I Go From Here?

The rest of this chapter deals with Installing the ToolBox, Logging On, Technical Assistance, and Revision History.

If the ToolBox is already installed on your computer, you can skip to “Logging On” on page 8.

If you already know how to log on, you can either read the exciting Revision History, or go on to the next chapter, “The ToolBox Desktop.” This explains the important features you need to know in order to maximize your use of this software.

To see if your favorite report has been changed or updated, check the “Revision History” of the respective chapter.

Need technical assistance? See “Technical Assistance” on page 10.

By now you’ve come to realize that the ToolBox is a set of reporting tools, some of which are related by their data sources. The following reporting tools, categories, and resources comprise the Supply/Demand ToolBox:

- **Buyer/Planner Tools.** This set of reports is used by purchasing, planning and finance to track excess and on-hand and on-order inventory, past-due demand. In general, it is used to track the overall performance of a manufacturing plant from a materials point of view.
- **Backlog Analysis Tools (BAT).** This set of reports aid factory planners and schedulers with backlog and delivery performance information.
- **Delivery Analysis Tools (CAT).** This set of reports tracks which segments were delivered late and why. It provides data entry (for assigning late codes), statistical trending and Pareto analysis.
- **Forecast/Optimization.** This set of reports let you determine future demand based on historical data.
- **Material Availability Package (MAP).** This set of reports is used to maintain up to date records of high visibility components in order to focus and coordinate iPG Materials actions.
- **Material Cost Tools (MCT).** This set of reports provides decision support data so that a commodities manager or purchasing agent can procure parts at the lowest negotiated price, spot variances between PO prices and contract prices, and view detailed parts receipts.
- **Product Readiness Tool (PRT).** This set of reports let material program managers and design engineers collect product-specific component status information for new product introductions.
- **Supplier-Activated Materials (SAM).** This set of reports assist buyers and commodity managers to track receipts, demand history, 13-week trends, and on-time delivery performance for SAM vendors.
- **Supplier Forecast.** This set of reports is used by commodity managers and commodity specialists to manage components.
- **Vendor Performance (Viper).** These reports show the delivery performance for parts vendors to Intel.
- **What If Materials.** WHIM lets you see the component level effect of changes to the current Master Production Schedule (MPS) without actually changing the MPS on the host MRP system.
- **Intel Web Services.** This is a brand new feature and is still under development, so you won’t find much documentation yet.
- **Glossary.** When the Job ‘96 portion of SAP took over Sales and Distribution, many new terms have been added or have replaced existing ones. Check here to ensure your understanding of these terms.
- **Index.** This was added in version 5.0.

Installing the ToolBox

Problems installing the ToolBox? See "Technical Assistance" on page 10.



Beginning with version 5.0 (June 1997), a new icon and a new method for installing the ToolBox was implemented. You have the option of downloading the setup program from the Supply/Demand website, as well as the standard network setup on your Novell or NT network (see below).

To simplify the transition from STAR to SAP, we added a new icon to your desktop that lets you run the new and old versions of the ToolBox in parallel. (For example, users may use the pre-5.0 ToolBox to view STAR history.) Eventually, we will remove all pre-5.0 versions of the ToolBox after the transition to SAP is complete.

System Configuration

To install and run Supply/Demand ToolBox, your personal computer should have the following configuration:

- A Pentium-based computer.
- At least 16 MB of RAM.
- Microsoft Windows Version 3.1, '95 or NT.

Though the Supply/Demand ToolBox will run in a 640x480 display, a video display resolution of 800 x 600 or higher is highly recommended due to the quantity of information displayed in the reports.

Finding the Installer Program

The preferred method for installing the ToolBox is by downloading and running the installer program from our web site.

Connect Type	Server Name and Location
Novell	X:\apps\ds\toolbox\netsetup.exe
Web	http://sdtoolbox.hf.intel.com/sdtools/sdtoolbox.htm

To install the Supply/Demand ToolBox, you must obtain a copy or locate the installation program on the network. Use either the 16- or 32-bit version of the ToolBox installer, depending on your operating system type:

- If you are running Windows 3.1 or '95, you need the 16-bit version of the installer (*wsetup16.exe*).
- If you are using Windows NT, you need the 32-bit versions of the installer (*wsetup32.exe*).

Launch It via the Web



If you are downloading using Internet Explorer, you may get this dialog. Choose “Open it” and click “Ok”. This will immediately launch the program as soon as downloading completes.

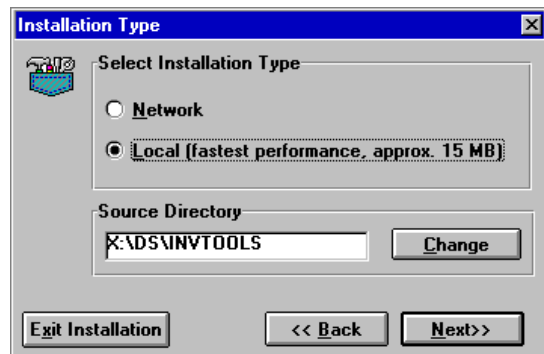


You may also see an Authentication Security dialog, like this one. Click “Yes” to continue.

Launch It via the Novell Network

Your “X” drive is typically mapped to your assigned Systems Manufacturing Enterprise server..

If you choose the network route to installing the ToolBox, use the *File Manager* to find and run the installer “netsetup.exe”. The ToolBox installer is in X:\apps\ds\toolbox\ directory.



The netsetup program asks if you want to run the ToolBox from the Network or install program files locally on your computer. Local installation (recommended) will give you the fastest possible performance and will automatically keep program files updated with the latest version from the network, but requires 15-20MB of disk space.

- If you choose *Network*, the install program creates icons and a Program Group for the Toolbox on your network drive, and then exits.
- If you choose *Local*, it automatically finds and runs the web version of the installation program (see next heading).

Launch it via cc:Mail

If you have the "websetup.exe" program attachment from a ccMail message, you can run it by holding down SHIFT while you double-click on the attachment.

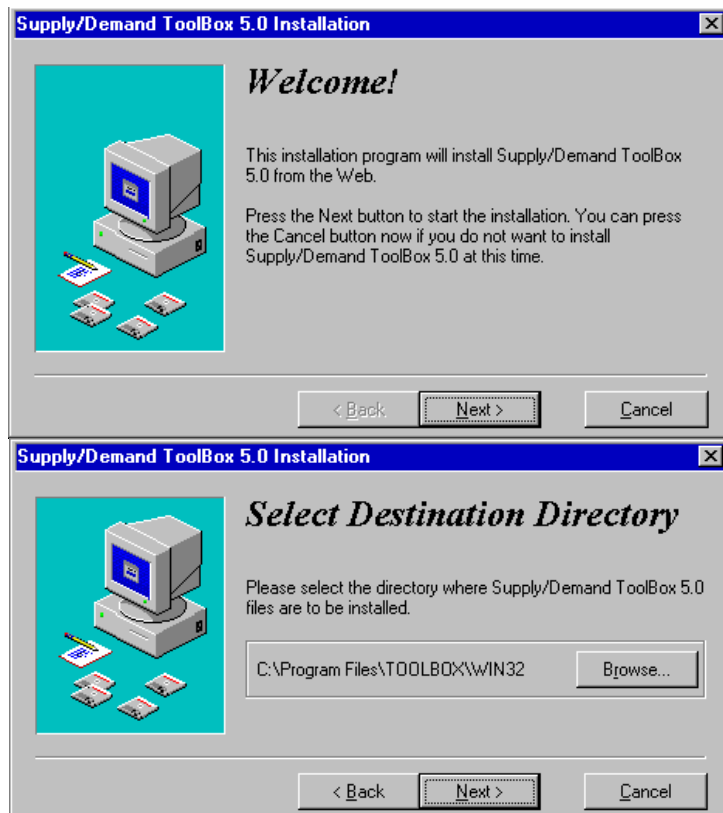
- If you see a "Sorry!" message, double-click on websetup.exe *without* holding down the SHIFT key.
- If you see a "Alert!" message, click on Association, and type one of the following into the File Association window's Application text box.
 - ◊ For Windows 3.1/3.11 systems, enter DOSPRMPT.PIF For Windows 95 systems, enter COMMAND.COM
 - ◊ For Windows NT systems, enter CMD.EXE
- Leave the SAVE INTO WIN.INI check box checked, and click on RUN. If this doesn't work, use File/Save As to save websetup.exe to your hard drive and run it from there, or use one of the other installation methods.

Running the Installation

Note: If you have trouble retrieving or running the installer program, see "Technical Assistance" on page 10.

If you're using Windows NT, run the *wsetup32.exe* program.

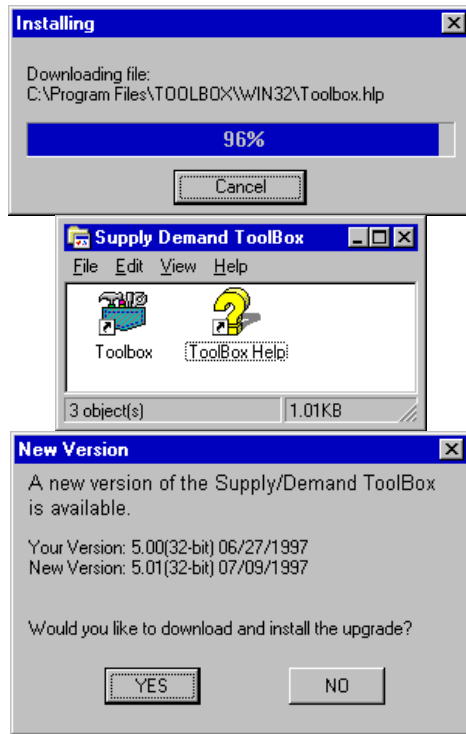
For all other operating system versions, use the *wsetup16.exe* program.



1. The setup program displays a series of dialog boxes, click **NEXT** to step through the installation.

2. The setup program asks where you would like to place the program files. Normally this will be in the "toolbox" directory on Drive C: (or "Program Files\ToolBox" on Win '95 and Win NT systems).

Note: This dialog will not be displayed if you are performing a network installation.

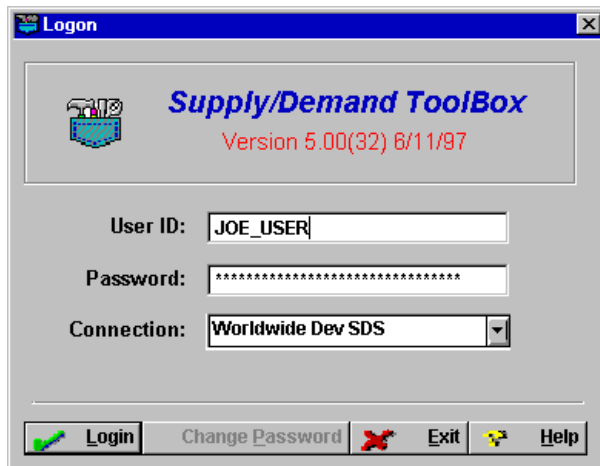


3. During installation, a progress bar displays the percentage of completion.
4. *Win 3.1 only:* When installation is complete, the "Supply Demand ToolBox" program group will be created.. *Win NT and Win 95:* The "Supply Demand ToolBox" is added to your Start menu "Programs" group.
5. Whenever you launch the ToolBox, it automatically checks our web site to see if an updated version is available. If so, you'll see this dialog asking if you want to upgrade. Only the portions that are new are downloaded to your computer. Once finished, it will re-launch the updated program.

Logging On

Problems logging on? See "Technical Assistance" on page 10.

For security purposes, access to the ToolBox is controlled through user IDs and passwords. You can obtain a user ID and password for the ToolBox by using the **Forms - Supply/Demand ToolBox Logon Request** in the *cc:Mail Forms* directory, and sending it by *cc:Mail* to **SDS, Accounts**.



Double click on the ToolBox icon. The first dialog displayed lets you log on to the application. Enter your user ID and password as given by the database server administrator, then click Login.

NOTE: User IDs and password are typically created using uppercase characters.

Logon

Supply/Demand ToolBox
Version 5.00 - May 06, 1997

User ID:

Password:

Connection:

Revision Info: This shows the latest revision and date of the application.

1. Type in your User ID then press TAB.

2. Type in your Password then click "Login" (or press ENTER)

Click the Exit button if you want to exit the application.

The log-on screen ensures that only designated users obtain access to Intel Confidential information available through the Supply/Demand ToolBox.

Once in the program, you can return to the Logon window to change your connection or your password by selecting **File > Connect** from the menu bar.

Connection Setup

Setup

Connection Setup

1. Select Network Type
2. Verify network library and customize if necessary
3. Click OK to save setting in win.ini

Server

Name:

IP Address:

Network Type

☐ Banyan

☒ Novell

☐ NT 3.5x, Win 95

☐ WFW 3.11

☐ Other

Network Library

If this is a first attempt at connecting to the specified server and database, you may see the Connection Setup dialog. This is displayed only if the server you are attempting to connect to hasn't been configured on your computer. Choose the correct Net-Library or Connect Type for your PC then select OK. If you are not sure of your connect type, ask a local Site IT administrator.

Note: This dialog only appears in the Win 3.1 version. The Win NT/Win '95 version automatically configures the connection setup.

Technical Assistance

Log On or Start-up Issues and Resources

Issue	Resource
Problem logging on or using the ToolBox for the first time:	Call the SQL (ASEC) Pager: (1-503) 204-4188.
How to send a message to the ASEC hotline pager via their website:	http://www-gas.hf.intel.com/Misc/PageSQL.htm
How to send a pager message to a specific ASEC support person, use this website:	http://www-gas.hf.intel.com/Misc/Page_me.htm
How to get e-mail support on login or password problems	Send cc:mail to: "SDS, Accounts"
ToolBox website:	http://sdtoolbox.hf.intel.com/sdtools

General and Regional MIIS Contacts

Location	Contact	Phone
Oregon	Dale Walker SDS Assistance Pager	(1-503) 696-7305 (1-503) 202-2255
Dupont, Washington	Dave Yantis	371-9029
Puerto Rico	Enrique Mederos	733-5103
Ireland	Darren McCarthy	286-7000
Kulim	Samuel Yeoh	408-2880

Report Issues and Problems

Each tool has an “owner” at the business level and the development level. Check here when you have questions or comments on a specific tool. All numbers are USA Oregon (1-503 access code). Availability for all contacts is 8-5 PST, M-F. For general MIIS related issues, contact Mark Zinsli at 696-2256.

ToolBox Tool	Business Owner	Phone	Developer	Phone
Buyer/Planner	Shawn O'Brien, Finance Inventory Analyst	696-2289	Floyd Walker Nancy Nathan	696-5407 696-7034
Backlog Analysis Tool (BAT)	Jason Young, SDO Operations	696-7153	Peter Klæbe	696-7961
Delivery Analysis Tool (CAT)	Jason Young, SDO Operations	696-7153	Malini Kanth	696-7773
Forecast/Optimization Tool	Jason Young, SDO Operations	696-7153	Cheryl Johnson Jing Chen	696-7631 696-0246
Materials Availability Package (MAP)	Dean Guyer, Materials Project Manager	696-2365	Peter Klæbe Nancy Nathan	696-7961 696-7034
Material Cost Reports	Scott Dixon, Materials Project Manager	696-7294	Floyd Walker Nancy Nathan	696-5407 696-7034
Product Readiness Tool (PRT)	Darlene Harrison, Materials Project Manager	696-5572	Nancy Nathan Floyd Walker	696-7034 696-5407
Supplier Activated Materials (SAM)	Dean Guyer, Materials Project Manager	696-2365	Dale Walker	696-7305
Supplier Forecast	Vineet Gambhir, Business Owner	696-2868	Nancy Nathan Floyd Walker	696-7034 696-5407
Vendor Performance (Viper)	Dean Guyer, Materials Project Manager	696-2365	Nancy Nathan Floyd Walker	696-7034 696-5407
Intel Web Services	Dale Walker, SD ToolBox Administrator	696-7305	Dale Walker	696-7305
What If - Materials	Scott Dixon, Materials Project Manager	696-7294	Nancy Nathan	696-7034

Revision History

Version	Date	Enhancements
5.06	12/07/1997	<p>Buyer-Planner:</p> <ul style="list-style-type: none">• Tracker request to fix "BY Product" Reports.• Tracker request to split demand into planned and work orders.• Converted DOI Summary MRP.• Converted Inventory Forecast Reports.• Converted DOI History Process. <p>BAT</p> <ul style="list-style-type: none">• Add doc type, geography to Weekly Backlog Report• ATP report now shows plant level detail. <p>Delivery Performance Tool (formerly known as CAT)</p> <ul style="list-style-type: none">• Changed geography summary report to have another tab to show percent.• Change references to word "CAT" removed. <p>Forecast/Planning (formerly known as Forecast/Optimization)</p> <ul style="list-style-type: none">• New report: TRIM PBA Sales for past 13 weeks.• New report: TRIM Percent split of PBA/Products.• Reorganized the list of available reports. <p>Supplier Forecast</p> <ul style="list-style-type: none">• Use mfg_plt_id char(4). <p>WHIM</p> <ul style="list-style-type: none">• Supply/Demand fix for AMAPs mapping issues. <p>Miscellaneous</p> <ul style="list-style-type: none">• Converted to MRP database.• Change navigation table from Forecast/Optimization to Forecast/Planning.

Version	Date	Enhancements
5.05	10/03/1997	<p>Buyer/Planner: Added Multi-MRP versions of EOH Detail Report, EOH Summary Report, PO Report (3 month overview), PO Detail Report, PO Summary Report:</p> <ul style="list-style-type: none"> • Convert stored procedure to use generic MRP database • Removed references to max. • Change source of report data from MAX to Combined MRP source for S.E.C.c. • MAX references now referred to as "Plant" <p>BAT:</p> <ul style="list-style-type: none"> • Manufacturing Supply Point – fixed selection window to allow full display of operations drop-downs. SCR# 1456. • Unconfirmed Backlog - fixed display of RDD, and heading operations. SCR# 1458. • "Include quotes" now selects all quote types which hold availability in SAP (currently ZQTR, ZLTR, and ZUPS) – affects Daily Backlog Report, Weekly Backlog Report, and Available To Promise (ATP) Report. SCR 1381. . <p>CAT:</p> <ul style="list-style-type: none"> • Future Forecast Report - Allow filter on Family to exclude certain families. • Detail Misses Report - Back-end fix for history tables. No join on asof_yyyymm was causing duplicate rows for previous month's data. <p>NPI: Condition added for "no data found."</p> <p>New Section – What-If Materials (WIM). This set of reports lets you see the component level effect of changes to the current Master Production Schedule (MPS) without actually changing the MPS on the host MRP system. Reports include:</p> <ul style="list-style-type: none"> • What-If Materials – This edit window lets you enter hypothetical quantities and view the effect of change in demand on component level demand. • Product Demand Report – Shows the current and proposed product demand for the selected Site/Product/Family. • Component Usage Report – Shows the component usage for a given Site, Component and Buy. <p>Moved Technical Assistance to the Getting Started chapter.</p>

Version	Date	Enhancements
5.04	09/02/1997	<p>Buyer/Planner:</p> <ul style="list-style-type: none"> Added Multi-MRP ABC Compliance Detail Report for S.E.C.c. Report located under the MRP Inventory Reports Section in the ABC compliance group.(includes SCR #425). Added Multi-MRP ABC Compliance By Commodity Report for S.E.C.c. Report located under the MRP Inventory Reports Section in the ABC compliance group.(SCR # 428 and includes SCR #525). Expanded the size of some fields on MRP Cross-Site Leveling Detail report. <p>BAT:</p> <ul style="list-style-type: none"> ATP query window gets a new option to select only customer holds. SAP Finished Goods and MAX Finished Goods reports gets new columns. <p>CAT:</p> <ul style="list-style-type: none"> Changed column heading; Added "Bulk Pack Qty" column to Late Accounting. Added VOC column to Performance Extract and Detail Misses. <p>Forecast/Optimization:</p> <ul style="list-style-type: none"> Retired SDO Backlog report. Added "Cmt Obj Cd" column to SDO Backlog SAP report. <p>Forecast/Optimization: A bug fix to the criteria window of the Unconstrained Demand Report. The report now works when "ALL" is selected. (No data were returned when other criteria were selected.)</p> <p>Miscellaneous:</p> <ul style="list-style-type: none"> Fixed window sizing problem; window frame sometimes displayed as small window in upper-left hand corner on startup News tab is now the default tab when new news is available

Version	Date	Enhancements
5.03	07/30/1997	<p>Buyer/Planner Tools now supports two MRP Systems: MAX and AMAPS. MAX is used by Systems Manufacturing Factories. AMAPS is used by SECC factories. In the future, factories will use SAP. Reports, starting with "MRP," support MAX and AMAPS factories. These reports will also support SAP when those systems come online. All other reports only support MAX factories.</p> <p>Two B/P reports added. All adds and changes under SCR #1257.</p> <ul style="list-style-type: none"> Added MRP Cost of Demand Order Detail Added MRP Cost of Demand Item Detail Added MRP Cost of Demand Planner Summary Added MRP Work Order Detail Scheduled MRP Weekly Detail to be retired. <p>BAT:</p> <ul style="list-style-type: none"> Added <i>Material Class type</i> as selection criteria to Daily Backlog, Weekly Backlog (also displays material class type on report), ATP, Unconfirmed Backlog <p>CAT:</p> <ul style="list-style-type: none"> Add <i>Bulk Pack Quantity</i> and <i>Revision</i> (which only appears when exported to an Excel spreadsheet) to Detailed RGID Misses and Detailed Performance Extract Added <i>Material Class type</i> to selection criteria and display on Detailed RGID Misses, Detailed Performance Extract, Customer Summary report, Factory Summary Package, Corrective Action Plan Added <i>Sales Doc Type</i> as filterable, sorted field on Detailed Performance Extract Corrected the Factory Summary Package to allow printing, and avoid overlap of display headings and data Fix Future Forecast to allow selection of next two months (instead of prior two) Fix Future Forecast to correct display <i>Total % on time</i> Change determination of <i># shipments</i> based on <i>Order</i>, <i>Line Item</i>, <i>Delivery Note</i>, and <i>Actual Goods Issue Date</i>. Removed <i>ZISO</i> and <i>ZINT</i> from excluded list of order types for delivery performance measurement. Added SAP Conversion to Late (Admin) reasons. <p>Supply Forecast: Changed Site Detail Reports to break-out forecast by month.</p> <p>Glossary definition correction applied to: RGID and RDD.</p>

Version	Date	Enhancements
5.01	07/10/1997	<p>Desktop Changes:</p> <ul style="list-style-type: none"> • Toolbar text is now saved/restored correctly • Removed CTRL key dependency on all multi-select pick lists. • Fixed scrolling problem in Intel pop-up calendar. • Added SAP "as-of" dates to the Last DB Refresh report. <p>Buyer/Planner changes:</p> <ul style="list-style-type: none"> • MRP Excess Inventory Detail Report - procedure not found error corrected • Part Obsolescence Report - data overflow problem corrected • MRP Weekly Detail Report - data overflow problem corrected • All reports - date fields can now be manually entered. <p>BAT Changes:</p> <ul style="list-style-type: none"> • Added Delivery notes to Weekly Backlog report. • Added Pack Quantity to Daily & Weekly Backlog report. • Added New Report: Manufacturing Supply Point. • Fixed date column headings on Available To Promise report.
5.0	06/30/1997	<p>Major enhancement to the product:</p> <ul style="list-style-type: none"> • Reports are now based on Job '96 data sources. • Completely rewritten using PowerBuilder version 5.0 development environment, with enhanced user interface and improved performance and reporting facilities. • In addition to 16-bit version for Windows 3.1 and '95, a 32-bit version is also available for Windows NT. • Updated documentation, available in print, on our web site (http://sdtoolbox.hf.intel.com/sdtools/tbox_doc), and for both 16- and 32-bit versions of Windows Help (naturally).