

General Improvements for Version 7.5

For more information on the improvements in this release see the following topics:

[All Modules](#)

[SPC Charts and Reports](#)

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[GainSeeker 7.500 Release Notes](#)

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All Modules

GainSeeker now compatible with all regional options

GainSeeker has been updated to function correctly when Microsoft Windows is configured for any [regional options](#).

Most notably, workstations configured for any regional options can now run data entry templates. In general, templates must be written with the documented template command syntax. Data entry operators should enter numbers and dates according to your regional options, so that these values will be correctly understood by the template and by template commands. Several commands should not be used, or should be used differently, when using regional options that use a comma (,) for the decimal symbol.

The documentation for several template commands, including [FORMAT](#), [DATE_FORMAT](#) and [VAL](#), has been updated to address localization issues.

For details, see [Templates and regional options](#).

Additionally, GainSeeker now includes an "encoding" header when writing XML files. This header specifies the ASCII code page being used by Windows to encode characters in the XML file. XML readers use the "encoding" header to correctly interpret the contents of the file, and this is especially useful when reading a file that was generated in another locale. If your XML reader cannot correctly interpret the "encoding" header, you may use the Cms.ini setting [xml_encoding=](#) to overwrite the header.

More user-definable labels for charts, statistics and real-time checks

In previous versions of GainSeeker, the labels for Control limits - including the limit labels UC, LC and M on control charts - could not be changed by users. In addition, labels for the midpoint between limits were automatically set by GainSeeker as "M" (mean) for control limits and as "Nx" (nominal limit type) for the other limits.

Users can now define the labels to be used for Control limits and for all midpoint (mean and nominal) values. These user-defined labels are used on charts and reports, for reporting statistics, and for real-time check and outlier information.

For more information, see [User-defined Labels](#).

Now able to send values to JMP

Most tables of information – such as data tables, defect detail tables, multiple data tables and statistics tables – can now be easily exported to [JMP® statistical software](#) from [SAS Institute Inc.](#) for further analysis.

For more information, see [Exporting data to JMP](#).

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Improved Audit Trail tracking for notes

In previous versions of GainSeeker, text appended to an existing note was treated as "adding" data rather than "changing" data and thus not logged in the Audit Trail.

The GainSeeker Audit Trail now tracks information appended to existing notes. The Audit Trail record is logged in the format Note changed from "" to "appended text" .

When the text of a note has been cleared, it is logged in the Audit Trail with the Event of Delete.

New user right restricts users from bypassing data

There is a new User Right to restrict a user from bypassing data records. The default for existing users is to allow them to bypass. You can restrict users by setting this user right in the Administration

module.

F5 key refreshes screens

GainSeeker now uses the F5 key to refresh the current chart in Charts and Reports. F5 will also refresh the current window in the SPC Monitor module, as well as the Audit Trail and User Count screens.

Simultaneous MINITAB sessions reduced to one

In previous versions, GainSeeker loaded a new copy of MINITAB in memory every time that a MINITAB chart was drawn. This resulted in several copies of MINITAB being loaded. GainSeeker now keeps track of the open copy of MINITAB and uses it to draw successive charts.

New setting to maximize charts before placing in Clipboard

A new Cms.ini setting, [clipmax=](#), is available to automatically maximize a chart before placing it in the clipboard or sending it to an .rtf file. This setting applies to both DMS and SPC. If charts pasted into applications such as Lotus Notes are too large, you may wish to set this option to 0.

New option pastes charts and statistics into e-mails

A new option for the Cms.ini setting [email_override=](#) adds charts, statistics and other values to the body of an e-mail message instead of sending them only as e-mail attachments.

The setting [email_override=3](#) uses GainSeeker's built-in email feature to generate e-mail with HTML formatting, and this allows pictures such as chart windows to be included in the body of the e-mail message. For more information, see [email_override=](#).

GainSeeker tested with Pervasive.SQL version 9

Version 7.5 of the GainSeeker Suite has been tested on Pervasive.SQL version 9, the latest version of the Pervasive database.

Pervasive.SQL version 9 now has the ability to create stored procedures, and the Control Center module has been redesigned for better performance.

Another new feature of this version is “auto-reconnect”. This allows applications to endure temporary network interruptions without canceling the current database operation. The Pervasive Auto-Reconnect option is disabled by default and must be configured for your specific needs. It is available in both the NetWare and Windows versions of Pervasive.SQL.

For more information on upgrading to Pervasive.SQL version 9, contact our [Sales Department](#).

New function to cancel from opening a desktop

This new function is available when opening a desktop in the SPC Charts and Reports module or the DMS Charts and Reports module.

When selecting one or more options for which to [Prompt for changes before opening desktop](#) , GainSeeker would display one or more screens allowing you to specify a different [filter](#) , [date range](#) , and/or [part number or process](#) before retrieving and displaying the charts on the desktop.

Each of these screens now provides three options to proceed:

- ε **OK** - allows you to choose a new option (filter, date range or part number) and proceed with opening the desktop.
- ε Cancel - cancels completely from opening the desktop.
- ε Use previous - ignores any changes made on the current screen and uses the option (filter, date range or part number) stored in the desktop.

In previous versions of GainSeeker, the Cancel button on these screens functioned as the Use previous button does now.

New default chart title available

When changing the titles on charts, a new option makes it easier to create and save a default chart title (the third row of header information on a chart).

In previous versions of GainSeeker, the chart title that applied to the current chart - such as "X-Bar and R Chart" or "Defects per Unit" - was simply added as text. If you added more text or statistics to the chart title and saved it as the default, all subsequent charts for DMS or for SPC were displayed with this text, even if it did not match the new type of chart created.

Now a {Chart Title} option is available. Like the statistical options already in place, it is a placeholder that is automatically updated to reflect the current type of chart. This option is now the default setting for the chart title, if a default chart title has not already been set on a workstation.

You can also add the {Chart Title} option to either the subtitle or chart title by right-clicking in the Subtitle or Chart title box and then selecting Append Chart Title.

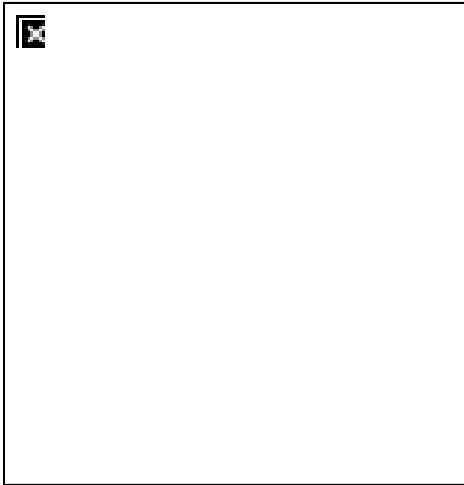


This option is not available on Paired Sample charts or on Process Capability charts.

For more information on changing chart titles and subtitles, see [Changing SPC Chart Titles](#) or [Changing the labels on the chart](#).

"Default" button now enters current time

In previous versions of GainSeeker, when entering data into DMS or SPC and manually selecting the date/time stamp, clicking the Default button correctly changed the date/time stamp to the current date but set the time stamp to "23:59:59".



The Default button now sets the time stamp to the current computer time.

Filters increased to 39 rows

GainSeeker now allows up to 39 rows in a filter. Previous versions only allowed 19 rows.

Multiple Data Source Names now supported

A new Cms.ini setting makes it possible to use a Data Source Name (DSN) other than GainSeeker71_B or GainSeeker71_O. This setting can be used to specify a particular DSN or to prompt the user to select from a list of System DSNs each time a GainSeeker module is launched. For more information, see [dsn=](#).

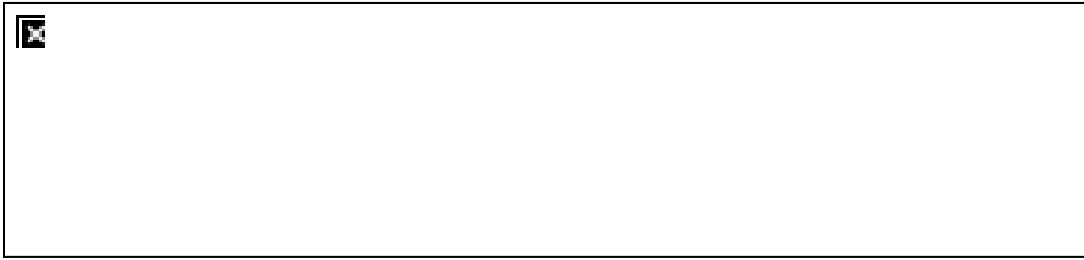
Additionally, a new command line parameter allows you to specify a DSN for each GainSeeker icon or shortcut. It is now possible to set up multiple icons for a GainSeeker module, with each icon accessing a different data source. For more information, see [Selected icons - specify the Data Source Name \(DSN\)](#).

SPC Charts and Reports

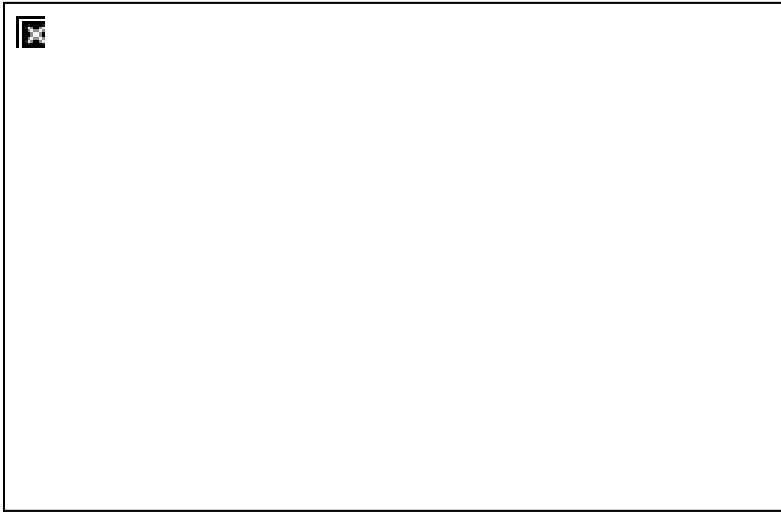
MINITAB charts can be integrated into list of SPC charts

If MINITAB Corporate Edition is installed on your workstation, you can add customized MINITAB charts to the list of individual charts.

You can then generate these MINITAB charts from Quick Chart, Chart Wizard, Chart Designer, and the Duplicate menu.



These new charts are then generated and displayed along with your other GainSeeker charts. They can also be saved in [desktops](#).



For more information, see [MINITAB Charts](#).

SPC Desktops can now be opened with a different standard

Similar to the filter and date range options already present in earlier versions of GainSeeker, it is now possible to prompt for changes to the standards when opening a desktop. This makes it possible to use one generic desktop for many standards.

For more information, see [Opening a Desktop](#).

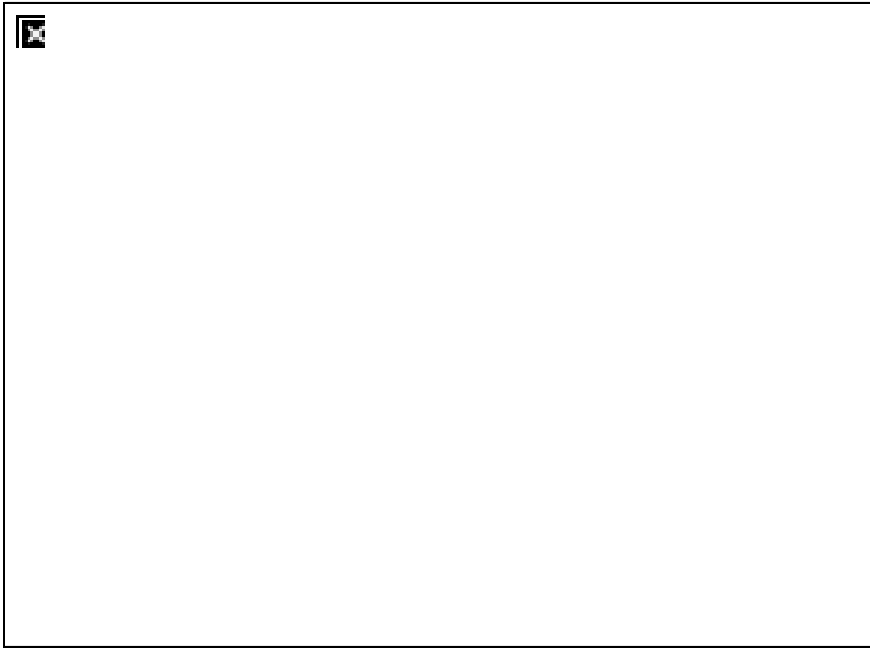


New option narrows list of standards based on data

A new Restrict button has been added to screens where the user selects one or more standards for which to generate charts, such as step 1 of Quick Chart and the Chart Wizard.



You can use the Restrict button to narrow the list of standards to those with data meeting a specific date range and/or filter criteria. For example, you may need to find only the part numbers that are in production this week, or those that can be traced to a particular lot of incoming material.



For more information, see [Using Quick Chart](#) or [Using the Chart Wizard](#).

New ability to analyze data without storing in GainSeeker tables

Charting external data allows you to perform GainSeeker analysis on data that is not stored in GainSeeker tables.

You may wish to use this feature if your quality data is already stored in files or databases on your system and you don't wish to maintain a second copy of this data in the GainSeeker tables. If you change your mind, you may choose to store the data you are analyzing in the GainSeeker tables.

This feature also provides a convenient way to test new templates without storing test data in your GainSeeker tables.

For more information, see [Charting External Data](#).

Improved labels on multiple chart windows

When using the Chart Designer to create [multiple retrieval groups](#) for chart windows such as [Multiple charts](#) and [Process Capability charts](#), the labels that distinguish one retrieval group from another have been improved.

GainSeeker now uses additional methods to determine what is different between retrieval groups and uses these differences to label the retrieval groups accordingly.

Grouping now carries to new charts

When using the Data Grouping function and zooming in on a group, GainSeeker now leaves grouping turned on and displays the group labels on the new chart.

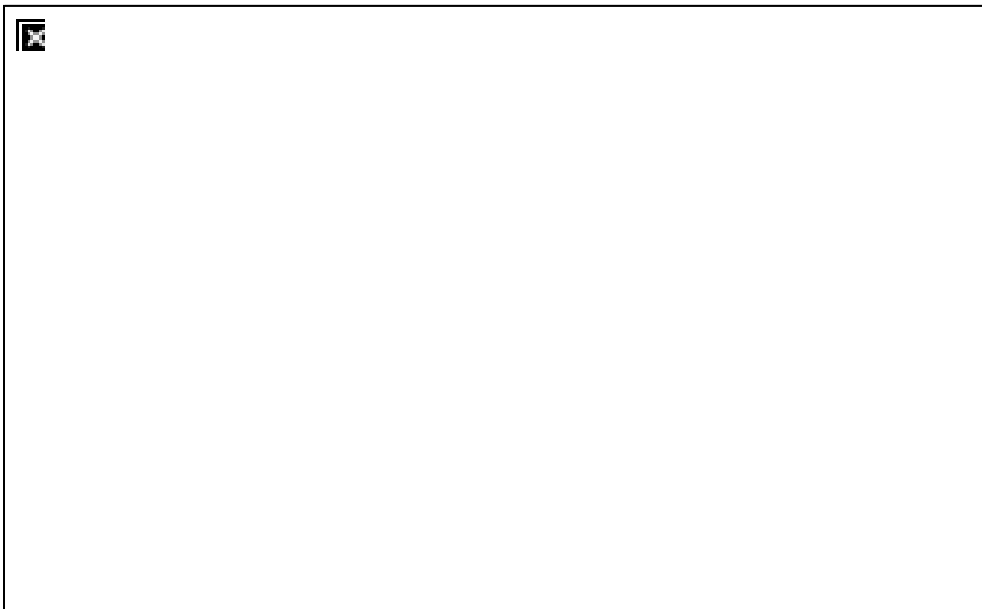
Documentation updated for Variation Wizard (style)

Explanations of discrete and continuous traceability styles on Step 2 of the Variation Wizard were updated for clarity. For more information, see [Variation Wizard Step 2](#).

New ability to split a summary chart into single charts

From any chart window that contains multiple [retrieval groups](#), you can easily perform individual analysis on any one of those retrieval groups.

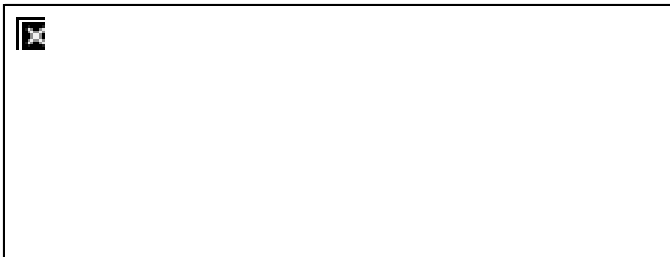
For more information, see [Charting individual retrieval groups from a summary chart](#).



Multiple Capability chart titles updated

The title for Multiple Capability charts has been updated in several ways:

1. For installations where GainSeeker is being installed for the first time, the Multiple Capability chart has been renamed to "Box & Whisker" in the list of charts.

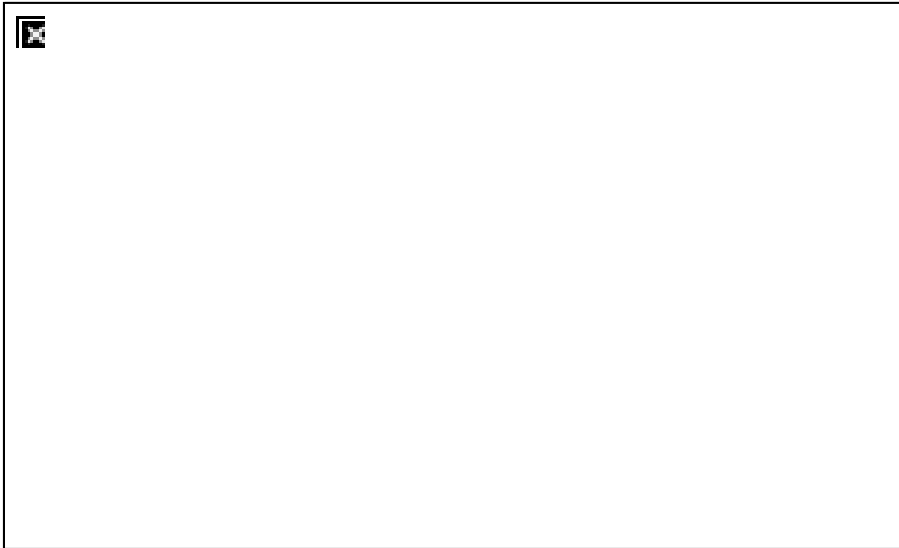


For installations where GainSeeker is being upgraded from a previous version, the name of this chart remains "Multiple Capability".

2. For all users, references to this type of chart have been standardized throughout the rest of the

SPC Charts and Reports program screens as "Process Capability".

In previous versions of GainSeeker, references to this type of chart alternated between "Multiple Capability Analysis", "Process Capability Analysis", "Capability Chart", etc.



3. By changing the Display Options for the Process Capability chart, it is possible to graph the data distributions as histograms, boxes, centered boxes, or box and whisker charts.

The names of these charts as they appear in the chart subtitle have been modified to "Histogram Curve Chart", "Box Chart", "Centered Box Chart", and "Box and Whisker Chart".



DMS Charts and Reports

Control limits now available for DPU charts and Yield charts

Control limits can now be displayed on DPU charts and on Yield charts:

- ε A DPU chart plots data based on the number of defects relative to the total number of units inspected. Thus, control limit calculations for DPU charts are based on u-type data.
- ε A Yield chart plots data based on the number of defective units relative to the total number of units inspected. Thus, control limit calculations for Yield charts are based on p-type data.

The control limits are calculated from the data shown on the chart. These control limits cannot be changed or stored - they can only be displayed on the chart or removed from the chart display.

Although the control limits are displayed on the chart, the numeric values of those control limits are not reported on the chart and related statistics. If data does not exist for any of the date periods on the chart, control limits will not be calculated or displayed for that date period.

You can add control limits to a DPU chart or a Yield chart by changing the DMS chart display options. For information on adding control limits to individual charts, see [Changing display options on a DPU chart](#). For information on making this the default setting, see [DMS Chart Defaults](#).

Now able to manually scale DPU charts

A new feature allows you to manually scale the y-axis of a DPU chart window. For more information, see [Manually scaling a DPU chart](#).

Now able to view data for drill-down Pareto charts

A new feature allows you to generate a data table for a drill-down Pareto, pie or bar chart. For more information, see [Viewing the data table for a drill-down chart](#).

Option to Maximize chart size on reports now available

The Charts tab of the Define Report Format screen now contains a new Maximize chart size check box. Selecting this check box increases the size of charts in the report, so that two charts will fit on one page in Landscape mode, and three charts will fit on one page in Portrait mode. Clearing this check box will decrease the size of charts in the report. For more information, see [Reports in DMS](#).

Now able to change chart type on drill-down Pareto charts

A new feature allows you to change the type of drill-down Pareto chart to your choice of pie, bar or Pareto. For more information, see [Changing chart type](#).

SPC Designer - new features

Database Integration Wizard now available

A new wizard is available to quickly create a template to read in data from database tables and other ODBC connections. See [Database Integration Wizard - Overview](#) for more information.

New function relates templates and .dev files

A new command, View Names and Files, has been added to the Tools menu of the SPC Designer. This command creates a list of template names displayed on the main screen of the SPC Designer and the *filename.dev* files associated with these templates, and then it displays this list as a document in your [editor](#) .

This option is only available if you have [access rights](#) to "Send to Printer or Editor".

New commands write data to files in Microsoft Excel format

Several new commands now allow you to create a file in Microsoft Excel format and to add new values or formulas to existing Excel files. These commands are:

- ε [EXCEL_CREATE](#)
- ε [EXCEL_ERROR](#)
- ε [EXCEL_ERRORDESC](#)
- ε [EXCEL_WRITE](#)
- ε [EXCEL_SETCOLW](#)
- ε [EXCEL_SETMARGIN](#)
- ε [EXCEL_SETMISC](#)
- ε [EXCEL_CLOSE](#)
- ε [EXCELCOM_OPEN](#)
- ε [EXCELCOM_WRITE](#)
- ε [EXCELCOM_CLOSE](#)

For more information, see [Creating a file in Microsoft Excel format](#).

New command saves a chart to a .jpg, wmf or .bmp file

The [SAVECHT](#) command saves the chart for a template row as a .jpg, .wmf or .bmp file in the location you specify.

New command sets the value of another cell

The [SETCELL](#) command allows you to set or change the value of another cell in the template. A common use of this command is to set an initial value for a Keyboard cell, or for a Formula cell with an INPUT command, so that data entry users are presented with an initial value that can be accept or modified instead of a blank data input box.

New command sets the contents of the Operator Note

The [SETNOTE](#) command allows you to value of the Operator Note for the data record on the current row of the template.

New command allows user action during delay

A new command allows you to delay template execution while allowing the data entry operator to perform other functions either in the SPC Data Entry module or in other programs on the workstation.

For more information, see [DOZE](#).

New message window available

Two commands now make it possible to display a new type of message window on the SPC Data Entry screen.

The new [MSG_WINDOW](#) command displays a message window on the screen, and the [CLOSE_MSG_WINDOW](#) command removes the message window from the screen. The font, font color, and background color of the message can be specified with the [MSG_WIN_OPT](#) command.

Unlike the message generated by the [MESSAGE](#) command, this new message window does not have an OK button, it cannot be hidden by other windows ("always on top"), and it can remain on the screen until the `CLOSE_MSG_WINDOW` command is encountered.



New command returns Data Entry command line

The [CMDLINE](#) command allows you to check the command line used to launch the Data Entry module. You can use it to search for a specific command line parameter or to return the entire command line.

New command sets default value when column value is NULL or does not exist

The new [Q_COLUMN](#) command establishes a default value to be returned if a column value requested by `Q_COL_N` or `Q_COL_S` is NULL or if the requested column does not exist. This command is useful when you don't want to reset the return string "Column n does not exist." to a blank string when reading values that may be NULL.

New command configures real-time checks for template row

A new template command now configures real-time checking for the current row of the template.

This allows the template to specify which real-time checks to perform – or to turn off all real-time checking – regardless of the real-time checks configured in the standard for this row.

For more information, see [SETRTCHK](#).

New command gives access to array of OPC values

A new command makes it possible to access any value in an array of items received from the OPC server. This command places the array of values into the text buffer so that they can be retrieved by the COLUMN command.

For more information, see [OPC_BUFFER](#).

New command converts numbers to your regional options

A new command formats any number according to the data entry workstation's [regional options](#). This makes it easy to enter data from a device or a file that uses a [decimal symbol](#) and/or [digit grouping symbol](#) that does not match the data entry workstation's regional options.

For more information, see [LOCAL_S](#).

New commands perform bitwise comparisons

Two new commands are available to perform bitwise comparisons on two numbers. This is useful when working with composite numbers such as those used for real-time checks.

For more information, see [Bitand symbol \(&\)](#) and [Bitor symbol \(!\)](#).

SPC Designer - updated features

DE_OPT command updated

Several new options have been added to the DE_OPT command.

- ε DE_OPT 7, *number* allows you to choose whether the date and time from the computer clock will override any other date/time stamp specified by the user or by template commands.
- ε DE_OPT 8, *number* allows you to enable or disable the feature that forces operators to enter a note for real-time failures.
- ε DE_OPT 9, *number* allows you to change the action of the ENTER key on the Note and Corrective Action screen for real-time failures.
- ε DE_OPT 10, *number* allows you to override the default number of display points on data entry control charts (from Cms.ini).

- ε DE_OPT 11, *number* allows you to override the default maximum number of retrieval points on data entry control charts (from Cms.ini).
- ε DE_OPT 12, *number* allows you to override the default number of data points after which statistics are recalculated and charts re-drawn (from Cms.ini).
- ε DE_OPT 13, *number* allows you to override the default date period for data entry control charts (from the Administration module).

See [DE_OPT](#) for more information.

LIST_OPT command updated

A new option has been added to the LIST_OPT command. LIST_OPT 7, *width in pixels* allows you to specify the exact width (measured in pixels) of a list created by the LIST_F, LIST_P, or LIST_Q commands. See [LIST_OPT](#) for more information.

LIST_Q command updated

Two special features have been added to the LIST_Q command.

In previous versions, the LIST_Q command was limited to displaying a list of values from one column across multiple rows of a query result set. Now a special "SelectColumns" keyword allows you to display a list of distinct values from multiple columns across multiple rows of a query result set.

Another special keyword, "PROCESS", makes it easy to display a list of the defects associated with the specified DMS process.

See [LIST_Q](#) for more information.

DATE_FORMAT command and File Import Wizard updated

The [DATE_FORMAT](#) command can now be used to easily convert the date/time strings from GainSeeker tables (formatted as "YYYYMMDDHHmmssh") to the regional settings of the current computer.

Similarly, this date/time format has been added to the date format options available on [Step 6](#) of the File Import Wizard.

DEBUG now turned off after closing template

The template debug utility is activated by the formula [DEBUG 1](#).

In previous versions of GainSeeker, this debug utility remained active in the data entry module even after exiting the template and opening a new template, planned session, stored session, or even Quick Start session. The debug utility continued to appear in new data entry sessions until the SPC Data Entry module encountered a DEBUG 0 command to turn off the debug utility, or until the user exited the SPC Data Entry module.

Beginning with GainSeeker version 7.5, the template debug utility is turned off by default each time a template, planned session, stored session or Quick Start session is launched. Thus, the template debug utility is only displayed in a template containing the DEBUG 1 formula.

Record buffer for SPC standards now uses configuration defaults for real-time checks

In previous versions of GainSeeker, when using record buffer template commands to create standards for SPC, the default setting for real-time checks was 0 (don't perform any real-time checks) unless a template command was used specifically to set the value of the "RT_Chk" tag.

Beginning in version 7.401, the record buffer now sets the default value for real-time checks to match the configuration setting for default real-time checks in new standards. This means that if you wish to use this default value when creating new standards through template commands using the record buffer, it is no longer necessary to use specific template commands to read this value from the CFG table and set it to the "RT_Chk" tag.

In addition, you can reset the "RT_Chk" tag to this default value from the configuration by setting the tag equal to -1. This can be achieved with the formula `DB_SET_VALUE "RT_Chk", "-1"`.

For more information on using record buffer template commands, see [XML and Record Buffer Template Commands](#).

Improved checking and documentation for <>, <= and >=

Template command combinations of `>=`, `=>`, `<=`, `=<`, and `<>` can produce unexpected results during data entry. For this reason, Step 5 of the Template Designer now checks for these combinations and displays a Syntax Error message if they are found.

The Online User Guide has been updated to explain how to perform comparisons like `<>` (not equal to), `<=` (less than or equal to), and `>=` (greater than or equal to). For more information, see [Equals symbol \(=\)](#), [Less Than symbol \(<\)](#), and [Greater Than symbol \(>\)](#).

Documentation updated for changing the User Message on the fly

The User message box can display both text and cell references. Using a cell reference in the User message box allows for the user message to change as the value of a cell changes.

For example, if the value of cell [A1] was set to 'Cavity 4' and the user message was "Enter the first reading for [A1]", the user would be prompted with "Enter the first reading for Cavity 4".

For more information, see [Template step 5 - User messages](#).

Documentation updated for "VStd_Flags" record buffer tag

Previous documentation on the "VStd_Flags" record buffer tag did not adequately explain the purpose of this tag. The documentation has been updated to better explain what this tag is for and valid options for its contents.

For more information, see [VStd_Flags](#).

Documentation updated for EMAIL command

Documentation for the Attach_Chart_YN parameter of the EMAIL command has been updated. When you use the Attach_Chart_YN parameter to attach an existing file (filename.ext) to an e-mail, all files named filename.* in the specified folder will be deleted after the email is sent. Previous versions of the Online User Guide only reflected that the attached file would be deleted.

For more information, see [EMAIL](#).

Documentation updated for FILTER command

When used in a formula with other commands, FILTER should be the last command in the formula.

Following the FILTER command with other commands such as [Current] can cause the template to re-retrieve the data unnecessarily and slow down data entry.

To improve the performance of your templates, search your template formulas for "FILTER : [Current]" and replace it with "[Current] : FILTER".

The [FILTER](#) documentation has been updated to reflect this information.

Cell references now updated in Feedback formulas and elsewhere

In previous versions of GainSeeker, when inserting or deleting columns in a template that already contained some formulas with cell references (e.g., "[D1]"), these cell references in the formulas were automatically adjusted to reference the correct column. However, cell references were not automatically updated in Feedback formulas, the User message, and the External applications button formula on step 6. Cell references in these three areas are now adjusted when columns are inserted or removed, just like those in all other template formulas.

File Import Wizard now encrypts database passwords

In previous versions, any ODBC connection password that was added by the File Import Wizard was added in plain text. Now GainSeeker encrypts database passwords.

Traceability tab no longer default for a new template

In previous versions, the default tabs on a new template included the Traceability tab. Beginning with GainSeeker version 7.5, the default tabs on new templates are only the Data Entry tab and the Data Table tab. Other tabs, including a Traceability tab, can be added in [Template Wizard Step 6](#).

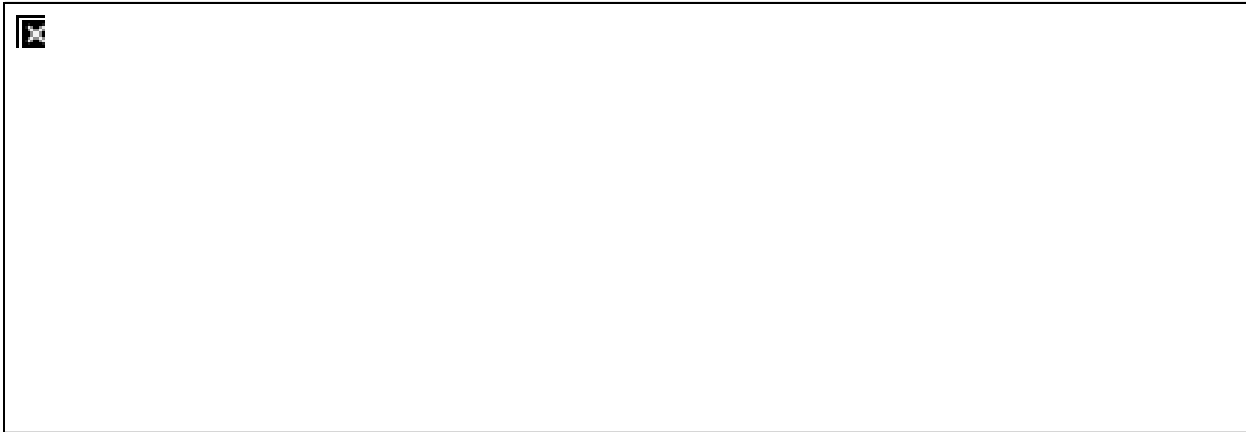
Date/Time column updated on Template Wizard Step 4

Because the default setting in GainSeeker SPC is to store data with the date/time stamp from the computer clock instead of a manually-entered date/time stamp, it was necessary to add [despc dt=1](#) to the Cms.ini on each workstation where a date/time stamp would be entered manually or via template

commands.

The Online User Guide has been updated to better explain when the date/time column is needed and how to configure a template for manual entry of the date/time stamp, regardless of the Cms.ini setting. For more information, see [Date/Time column](#).

Step 4 of the Template Wizard has also been modified to display this updated information for the Date/Time column.



SPC Data Entry

Priority lists now available for traceability during SPC data entry

It is now possible to set up priority lists for traceability fields, similar to the priority lists already available for standards and desktops. This allows each user or group name in GainSeeker to enter data using only subsets of the full traceability lists.

To use priority lists for traceability during data entry, you need to follow three basic steps:

1. Set up the pre-defined traceability lists, including values needed by all user or group names. For more information on defining lists of traceability options, see [Traceability Labels and Lists](#).
2. Set up traceability priority lists for each user or group name. This is a new function that can be accessed through either the Priority List Editor module or the Administration module. For more information, see [Priority Lists](#).



3. Add the new command [TRACE OPT](#) to your data entry templates.

A new database table - TrPriMst - has been added to SPC for this purpose. The list of [Tables used in GainSeeker 7](#) has been updated accordingly.

This new TrPriMst table also includes extra columns that can be used to further restrict the traceability values displayed - for example, based on decisions made earlier in the data entry session. For details, see [Dynamically creating selection lists for traceability](#).

Improvements made to Debug Information utility

On the Debug Information screen displayed in "debug mode", the Formula box has been expanded so that larger formulas can be viewed more easily. A new SQL button on this screen now makes it easy to view active data source connections and the available columns and values for each connection. A new Execute button allows you to run additional template commands and formulas. Additionally, double-clicking on an item in the list of NVars or SVars copies that value to the clipboard.

The *Online User Guide* has also been updated with additional information on using debug mode.

For more information, see [DEBUG](#).

New Cms.ini setting for GagePort issues

On some computers that use Plug and Play (PNP) features, the first attempt at RS-232 communication with a serial device may fail to communicate or may generate Break Signal error messages, while subsequent RS-232 communication is successful. In particular, this problem has been reported when using RS-232 commands to communicate with GagePort devices.

A new Cms.ini setting, `rs232_open_delay=`, is available to resolve this issue. For more information, see [rs232_open_delay=](#).

Standard Description now displayed on additional tabs and on Note screen

GainSeeker now displays the Description for the current Standard on the following tabs in Data Entry: Data Table tab, MINITAB tab, Statistics listing tab, and Traceability tab. The Description is also displayed on the Note and Corrective Action screen.

DMS Data Entry

New option launches "Change Part Number" screen on login

A new setting allows you to automatically launch the Change Part Number screen each time a user logs in to the DMS Data Entry module. This new setting can be configured from the Data Entry Options screen using the `dms_chgpn=` line in Cms.ini. For more information, see [Customizing the way the Part Number is selected](#).

Data OK configuration now available via menu

To enable the Data OK? feature for DMS Data Entry in previous versions of GainSeeker, it was necessary to add a line to Cms.ini. This feature can now be configured from the Data Entry Options screen. For more information, see [Choosing Summary options](#).

Administration

Screens updated for tables and file paths

The screens for tables and file paths have been updated.

Because of new options available for [multiple data sources](#), the ability to mix data sources within one configuration has been removed from the Tables and File Paths screen.

For details, see [Tables and File Paths](#).

New rights added to user roles

New rights for the SPC Data Entry module have been added to user roles. They include:

- ε SPC Switch to full traceability list

This item allows users to change from the traceability priority list to the full traceability list.

- ε SPC Edit/View Data from chart

This item displays the right-click menu options Edit Data or View Data for data entry charts, depending on the user's access rights to change data.

- ε SPC Edit/View Note from chart

This item displays the right-click menu options Edit Note or View Note for data entry charts, depending on the user's access rights to change notes.

The security level for each of these items can be set to Full Access or Deny Access.

New rights have also been added for the SPC Database Monitor module. They include:

- ε SPC Change Monitor Status

This assigns to a role the explicit right to change the "Status" value of a record in the monitor, even if that role does not have the right to change other values in the monitor record such as data, notes, and corrective action information. In previous versions, the right to change data applied also to the "Status" of monitor records.

- ε SPC Delete Monitor

This assigns to a role the explicit right to delete monitor records, even if that role does not have the right to delete data records. In previous versions, only users with the right to delete data were able to delete monitor records.

In the case that a user has the right to delete data but not to delete monitor records, GainSeeker will automatically delete any monitor records associated with data being deleted, to prevent the accumulation of monitor records without associated data records.

For more information on setting user rights, see [How to set up the Roles](#).

Other utilities

SPC Database Monitor automatically remembers Chart selections

When using the Chart button or selecting Chart from the Options menu to generate charts of data displayed in the Monitor, the chart type and refresh rate that you select are now automatically saved as the new defaults on this workstation. These settings are saved to Cms.ini as [mtr_dde cht=](#), [mtr_dde_hr=](#), [mtr_dde_min=](#), and [mtr_dde_sec=](#).

New options in Import Export Manager

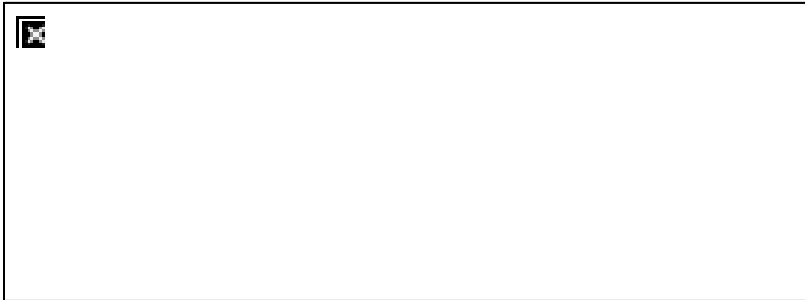
When exporting or importing data, you now have the option to specify the decimal symbol used in numeric values and in date/time stamps that show hundredths of seconds.

Also, when importing or exporting data with the *.CSV or the *.QSV file formats, you can also specify the symbol that is used to separate fields in one row of the text file.

For more information, see [Export file information](#) and [Import file name](#).

Added confirmation in SPC Standard Utility

A confirmation screen was added to the File menu option Delete Standards With No Data, providing the opportunity to cancel the deletion if desired.



Function to change defects now available in SQL Utility

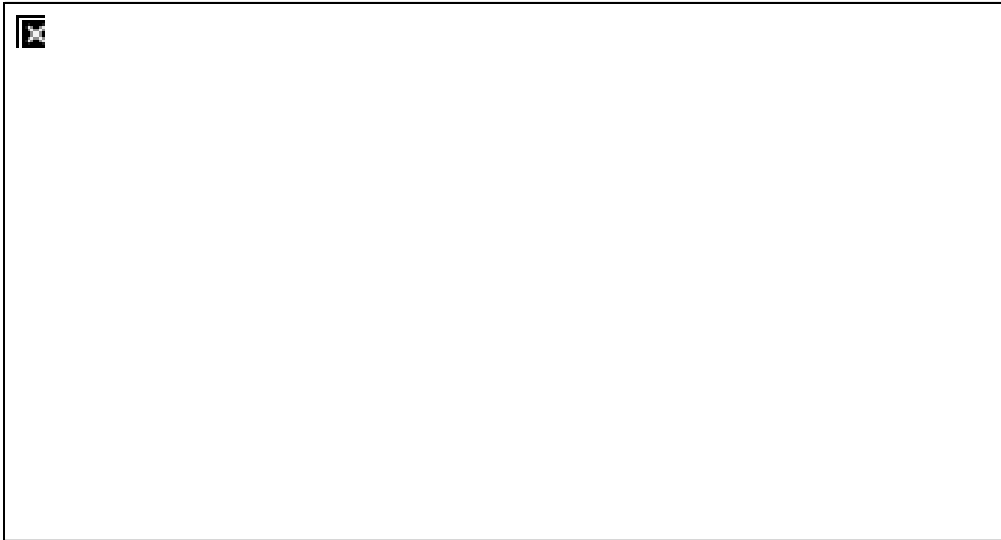
The SQL Utility now allows you to change defects. This allows you to change all data with one defect to another defect.

Speed improved for DISTINCT queries in SQL Utility

The SQL Utility has been optimized for faster performance when processing SELECT DISTINCT queries. When using the SQL Utility to view or change the values in a traceability field, the list of existing traceability values in the data is now displayed more quickly than in previous versions.

Right-click help for building SQL statements added to SQL Utility

In Execute SQL mode, you may now right-click the SQL statement box for quick access to reserved words, names of GainSeeker tables, and column names in those tables.



For more information, see [Help for typing SQL statements](#).

Command line parameters now available for Macro Launcher

The Macro Launcher module has been updated so that the Macro can accept command line parameters.
For more information see [Macro Launcher - launch a macro](#).