

General Improvements for Version 7.7

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

[All modules](#)

[Enterprise Dashboard](#)

[SPC Designer - new features and commands](#)

[SPC Designer - updated features and commands](#)

[Other modules](#)

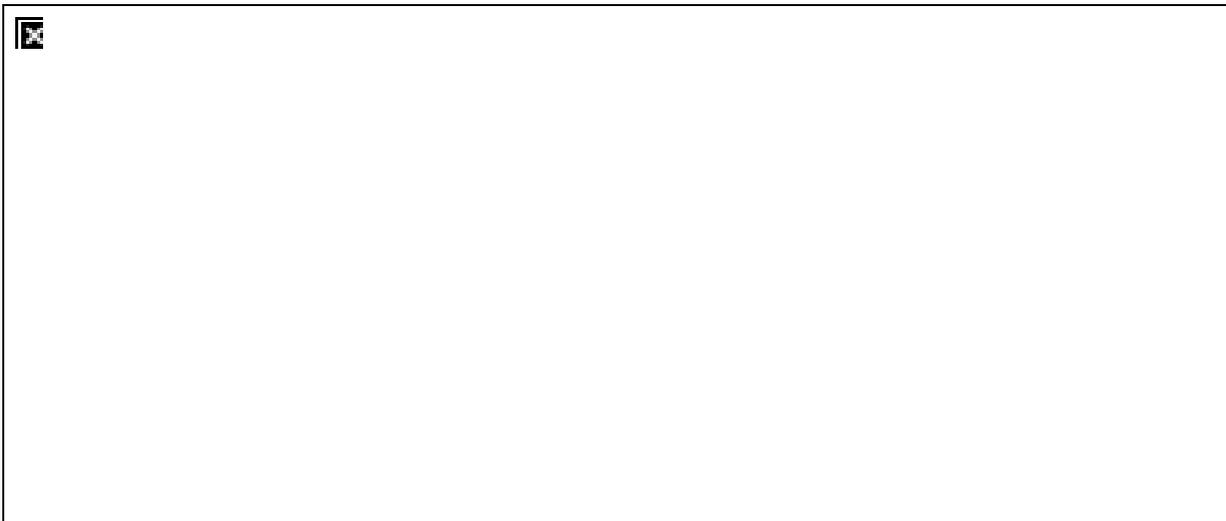
See also:

[GainSeeker 7.7 Release Notes](#)

All modules

Desktop Notes

You can now create a **Desktop Note** window and save it as part of a desktop. This can be useful for collaborating with other colleagues or for keeping a "To Do" list for the data you save as a Desktop. For more information, see [Adding a Note window to a Desktop](#).



MySQL database support

GainSeeker data can now be installed on a MySQL database. For more information, see [Database Requirements](#).

All licenses in use – new features

You can now configure GainSeeker to send automatic e-mail alerts when a user is unable to log in because all licenses are in use. For details, see [Automatic e-mail alert when all licenses are in use](#)

You can also configure GainSeeker to log an event in the Audit Trail when a user is unable to log in because all licenses are in use. For details, see [Logging to the Audit Trail when all licenses are in use](#).

Send more values to MINITAB

Some MINITAB chart commands require you to specify constants or other values that were not previously available to MINITAB charting functions in GainSeeker. You can now specify statistics identification code numbers for these constants so that the actual values can be set each time the chart is displayed. For details, see [MINITAB command list](#).

Exported templates include traceability labels

Each time you [e-mail a template](#) or export a template from the [SPC Designer module](#) or the [Transfer Utility module](#), GainSeeker will now automatically add or update a portion of the [note](#) that explains how each traceability field is labeled. This portion of the note will always begin with the text "Trace Labels Exported:" and end with "Export Date (*date*)".

Other enhancements:

- ε When displaying a control chart with multiple limits - control, gate, specification or individual gate - GainSeeker now uses less of the chart window to display the labels and values for these limits. For more information, see [Changing display options on a control chart](#).
- ε New SPC statistics now allow you to report the following values from the standard:
 - [Target X and Target R](#)
 - [DMS Part Number and DMS Process](#)

A new statistic for [Mean - Nominal](#) has also been added. For more information, see [Statistics identification code numbers](#).

- ε A new column for "Number Good" has been added for DMS data tables. This number is calculated by subtracting the number of Nonconforming Units (NCU) from the Sample Size for each data record.
- ε The [html_res=](#) setting in Cms.ini determines the size of the .jpg files created for use in HTML files. New options have been added for this setting.
- ε Some Windows security settings do not allow GainSeeker to generate e-mail using Microsoft Outlook. In this situation, GainSeeker now allows the user to use the [built-in e-mail feature](#) instead of Outlook.

Enterprise Dashboard

Locking dashboards, retrievals and desktops

A new user right is now available that allows you to lock dashboards, retrievals and desktops. When an item is locked, the only users who can change, delete or overwrite that item are those who have rights to edit locked items. More information is available on locking [real-time failure and statistical filter dashboards](#), [KPI gage dashboards](#), [dashboard retrievals](#), and [desktops](#).

New 'cell text' items for Real-time Failure dashboards

For Real-time Failure dashboards, you can now display Cell Text with information from the most recent data record retrieved. These new options include traceability values, the date, the time, the subgroup average, and the name of the SPC standard.

Also, the statistic "PPM out of spec actual" can now be displayed as Cell Text in a Real-time Failure dashboard.

For more information, see [Columns tab](#).

Other enhancements:

- ε You can now create an icon for the Enterprise Dashboard module that will open multiple desktops, e-mail multiple desktops, or save multiple desktops to HTML or XML. For details, see [Enterprise Dashboard module - process multiple desktops](#).
- ε For the Server Edition, the Dashboard Timer screen has been modified to clarify that files will be saved and/or a template will be run each time the dashboard is opened or refreshed. For more information, see [Server Edition options](#).
- ε When designing a dashboard for SPC data, you can specify either a date period or a count for the data being retrieved. The Enterprise Dashboard module now allows you to limit retrievals by both a date period and a count. For details, see [Limiting counts and dates for SPC data](#).

SPC Designer - new features

More options for Data Entry chart windows

A new [DE CHART](#) command allows you to change the contents of a data entry chart window to display one of the available data entry charts, a file, a web page, or a string of HTML.

In addition, you can use the new [CHT SPC](#), [CHT DMS](#) and [CHT DASH](#) commands to generate HTML files of GainSeeker charts, dashboards or desktops. Further options for these charting commands can be set by the new [CHT OPT SPC](#), [CHT OPT DMS](#) and [CHT OPT DASH](#) commands.



Search for text across templates

A new **Text Search** utility allows you to search all of your templates for the text you specify. For more information, see [Text Search](#).

More new commands:

- ε The [DMS_NOTE](#) command displays a screen for the operator to enter a note and a DMS event, and the results are placed in the [record buffer](#).
- ε The [DB_INSERT](#) command simplifies the task of finding the DMS data in the record buffer and storing it to the GainSeeker database.
- ε The [EVAL](#) command allows you to build formulas dynamically and then execute them. You can also use it to create a formula in one cell and execute the formula in other cells.
- ε The [FATTRIB](#) command returns the date stamp or time stamp of the specified file.

SPC Designer - updated features

- ε On [Template Wizard Step 4](#), the Show calculator automatically check box has been renamed to Show keypad automatically. This new label provides a better description for the  button on the SPC Data Entry screen, which serves as a keypad for entering numbers and not a "calculator" for adding, subtracting, multiplying, etc.
- ε On [Template Wizard Step 5](#), you can now append a row of keyboard cells without formulas to the

bottom of the template by pressing CTRL while clicking Insert at row n. If you point your mouse at the Insert at row n button, a ToolTip message about this option will be displayed.

- ε On Template Wizard Step 5, the SPC Designer module will now check the Windows language to determine whether the Formula box will display [simple text or rich text](#) (which provides better support for diacritic characters such as ä, ç, ø, etc.).
- ε Several new options have been added to the [DE_OPT](#) command:
 - ε [DE_OPT 16](#) now allows you to suppress OPC error messages and RS-232 error messages.
 - ε [DE_OPT 20](#) allows you to override the Real-time error alert setting (from the Administration module), which determines whether an alert will be displayed each time an individual data value generates a real-time failure or only once per subgroup.
 - ε [DE_OPT 21](#) allows you to override the Trigger feedback setting (from the Administration module), which determines whether feedback is triggered each time an individual data value generates a real-time failure or only once per subgroup.
 - ε [DE_OPT 22](#) allows you to set the Message Box size.
 - ε [DE_OPT 23](#) allows you to set the font size for the [DATAOK](#), [DATAALLOK](#), [DATAROWSOK](#) and [DATAROWSOK_POS](#) screens.
 - ε [DE_OPT 24](#) allows you to display a Part Number column, a Row number column, or neither column on the DATAOK, DATAALLOK, DATAROWSOK and DATAROWSOK_POS screens. This setting can be useful for minimizing the width of these DATAOK screens when entering data in PDA mode.
- ε [DMS_OPT 9](#) allows you to display a Note button on the defect entry screen.
- ε [DMS_OPT 10](#) allows you to enable or disable one-click mode for the defect entry screen. When one-click mode is enabled, the defect entry screen will automatically close after the user enters data for one defect.
- ε [MISC_INFO](#) can now return the type of data entry session (template, planned session or stored session) and the name of the data entry session that is currently being run.

Other modules

SPC Charts and Reports module

- ε A new [X-Bar/Moving range/Range Chart](#) has been added to the list of available chart types. A useful feature of this chart is that it helps you to analyze both the variation within subgroups and the variation between subgroups.



DMS Charts and Reports module

- ε The option to Show bars with no Defects has been added for Pareto charts, Bar charts and Defect Detail windows. for more information, see [Changing display options on a Pareto or Bar chart](#).

SPC Data Entry module

- ε Larger fonts are now available for [operator messages](#) and for lists configured by the [LIST_OPT 1](#) command when running in [PDA mode](#) .

Administration module

- ε On the Define Configuration screen, the list of SPC options and DMS options is now sorted alphabetically. For an example, see [Configurations](#).
- ε When you set or change the name of the e-mail server for one GainSeeker login name, the program now allows you to automatically [copy this setting](#) to all of the other GainSeeker login names.

Also, if the login name used to launch the Administration module is configured with an e-mail server name, this e-mail server name will be applied to new login names by default.

Because the typical organization uses just one e-mail server for multiple GainSeeker login names, these enhancements make it easier to keep all of your GainSeeker login names updated with the correct e-mail server name.

- ε A new setting for [Fiscal calendar](#) now allows you specify whether a quarter is defined as a four-week month, followed by another four-week month and then a five-week month; or a five-week month, followed by a four-week month and then another four-week month.

Tour data for Oracle, SQL Server and MySQL databases

- ε A new utility makes it easy to install a sample data set when your GainSeeker database is Oracle, SQL Server or MySQL. For details, see [Installing sample data](#).

Online User Guide

- ε The topic for [Changing colors of non-text items](#) has been updated with instructions for setting the colors of retrieval groups on Combined Control Charts.
- ε The topic for the [MARK TIME](#) command has been updated to clarify the availability of 25 timers.
- ε The topics for the [IF](#) command, the [INITVARS](#) command, [XML and Record Buffer Template Commands](#), the [Less Than symbol \(<\)](#) and the [Greater Than symbol \(>\)](#) have been updated.
- ε A topic for [Modifying formulas for a different database type](#) has been added for the File Import Wizard and Database Integration Wizard.
- ε A topic for [Configuring e-mail settings for GainSeeker](#) has been added.
- ε The topic for [SPC Statistics](#) has been updated to describe the configuration settings for [Incomplete Subgroups and Varying Subgroup Sizes](#). The topics for [Data grouping by default](#), [Data grouping for incomplete subgroups](#) and [Data grouping for multiple subgroup sizes](#) have also been updated to reflect these configuration settings.
- ε The topics for [DEBUG](#), [INPUT](#), [INP TAB](#) and [INP POSITION](#) have been updated to address display issues on multiple monitors.
- ε The topic for [Run-time errors](#) has been updated.
- ε The topic for [Creating a Paired Sample Chart](#) has been updated to explain how data points from one standard are matched to data points from the other standard.
- ε The topic for [Statistics identification code numbers](#) has been updated to explain what GainSeeker will report for the [Nominal spec](#) statistic.
- ε The topics for [Selected modules - specify the configuration number](#), [File menu in SPC Data Entry](#), [Charting data from the Enterprise Dashboard module](#) and [Charting data from the monitor](#) have been updated to reflect features that will use *only* the configuration that is associated with the login name – even if you use a menu option or shortcut to access data and settings from a different GainSeeker configuration.
- ε The topics for Cms.ini settings [html_location=](#), [metafile_path=](#), [xml_path=](#) and [temp_path=](#) have been updated to reflect the correct default settings.