SPECSINTACT

The information in this document applies to SpecsIntact
version 5.0.0, and includes changes made since version 4.6.2
of SpecsIntact. Information regarding previous versions of
SpecsIntact is available from our web site at the following
URL: http://si.ksc.nasa.gov/uic/TechHelp.htm.

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I. Customer Assistance

   You may contact SpecsIntact Support from 8:00 P.M. to 4:30
   P.M. (EST), Monday through Friday.

   Phone: (321) 867-8800
   Fax: (321) 867-1444
   Email: KSC-SpecsIntact@nasa.gov
   Web: http://si.ksc.nasa.gov/

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II. Installing SpecsIntact

1. System Requirements

   SpecsIntact 5 will run on Windows Vista or later.

   SpecsIntact requires at least one system printer. This can
   be the SpecsIntact PDF printer, available as an option when
   installing SpecsIntact. For other system and hardware
   requirements, please refer to the Microsoft support page
   for your version of Windows. For Windows 7, the
   requirements are here:
   https://support.microsoft.com/en-us/help/10737/windows-7-
   system-requirements
   For Windows 8:
   https://support.microsoft.com/en-us/help/12660/windows-8-
   system-requirements
   For Windows 10:
   https://www.microsoft.com/en-us/windows/windows-10-
   specifications

2. Install SpecsIntact

   After downloading the software from the SpecsIntact web
   site, run the file SI.exe, and then select the 'Setup'
   button.

The SpecsIntact installation will then prompt you to select
a local, workstation, or server installation. Choose a
local installation to install the SpecsIntact software
locally on your PC.

Special Thanks

The SpecsIntact team is grateful to the many SpecsIntact
customers who helped us improve this release. We especially
thank Sheron Belcher, Mark Buehn, Justin Colar, Marcelo
Dasilva, Gail Emanuel, Steve Freitas, Justin Junod, Sherri
McMillion, Heidi Neuman, and Zenovia Wilcox for their
insightful support and their many helpful comments and
suggestions.

III. What's New in SpecsIntact 5.0.0

New Installation Options

Two alternative options are now available for installing
SpecsIntact. For administrators who manage SpecsIntact
installations for multiple customers, SpecsIntact now features
a new Windows Installer (MSI) installation package for better
integration with software deployment tools. SpecsIntact also
features its traditional installation package, but the network
and workstation installations are no longer available. Both
installation packages support only local installations.

As with previous versions, the traditional SpecsIntact 5
installation supports installing same or newer versions over
existing SpecsIntact installations; and it also supports side-
by-side installations of different SpecsIntact versions. The
new MSI installation package does not support these options,
as it requires that previous SpecsIntact MSI installations be
removed before installing newer versions.

We recommend NOT installing SpecsIntact 5 over a previous
version of SpecsIntact 4.6.2 or earlier. If you wish to have
both SpecsIntact 5 and an earlier version of SpecsIntact
installed, install SpecsIntact 5 to a different folder
location than the earlier SpecsIntact version.

We also recommend NOT mixing the MSI and traditional
SpecsIntact installations on the same computer. If you wish
to switch from the SpecsIntact MSI installation to the
traditional SI installation, or vice versa, we recommend
uninstalling the previous version first, and then installing
the alternative version.

For those who choose to install the SpecsIntact PDF printer,
SpecsIntact now supplies a PostScript printer driver published
by Microsoft. Windows may prompt for permission to install
this driver during the installation process.
(11-008, SPECSI-3499)

SpecsIntact Explorer

The SpecsIntact Explorer has a new look and feel, with many new productivity-enhancing features. (09-019)

Resizable Dialog Boxes

The SpecsIntact Explorer now features many resizable dialog boxes, including the Add Sections dialog. Look for the dotted gripper in the lower right corner of a dialog box, and drag this gripper to resize the dialog. (04-029)

New Toolbar and Buttons

The SI Explorer features a new toolbar with larger, more visible buttons and explanatory text. (09-019)

Drag and Drop from SpecsIntact Explorer to Desktop, Windows Explorer or Other Applications

The SI Explorer now permits dragging and dropping Sections and other SpecsIntact documents to the desktop or other Windows applications, such as the Windows/File Explorer, an Outlook E-mail message, or the SpecsIntact Editor. (07-006)

New Color Choices for Job, Master, and Document Icons

SpecsIntact now supports a large number of color choices for Job, Master, and document icons. To select a new color, right-click on any icon in the SI Explorer, and select the 'Icon Color for…' menu item. Choose a default color, or 'Custom Colors,' and then the drop-down arrow next to the currently selected color for many more color choices. (09-019)

Optionally Redline when Tailoring in the SI Explorer

The SpecsIntact Explorer now features the option to redline Tailoring Options instead of deleting them. Select the option to 'Use Revisions' when tailoring to enable this feature. (01-040, 09-013)

Print with Tailoring Tags Visible but Other Tags Hidden

SpecsIntact now features the option to print Tailoring tags only, while hiding other tags. To use this feature, unselect the 'Tags' option and select the option 'Tailoring tags (when hiding tags)' in the Show group box on the Options tab of the Print Processing dialog. (971008 and 15-006)

SpecsIntact Sorts Reference Identifiers in Natural Order

SpecsIntact now sorts Reference Identifiers (RIDs) in natural, alphanumeric order when adding them to Section Reference Articles or Reference lists. For example, using this new natural order sort, NFPA 70 would appear before NFPA 101, because 70 is a lower number than 101. The SI Editor will also display RIDs in this same natural order in the Reference Wizard. (02-025 and 03-036)

New Attachment List Report

SpecsIntact now offers a report of all attachments (designated with ATT tags) in a Job or Master. Select the 'Attachment List' option on the Reports tab of the Print Processing dialog to produce this report. (11-018)

SpecsIntact Reports Duplicate Submittal Items in Text for Masters

On the Submittal Verification Report for Masters, SpecsIntact now reports Submittal items appearing multiple times in the text of any one Section. This new verification feature will be available for Jobs in a future SpecsIntact release. (10-002)

Export and Access Tailoring Options or Submittal Register Data Easily

Export Tailoring Options and Submittal Register data more easily in SpecsIntact 5. Both options are available from the context menu available by right-clicking on any Job or Master. The SI Explorer will now display these exported files in the Exported Files folder under the corresponding Job or Master. (11-009)

Export Search Results to HTML Table

After performing a search or replacement, the SI Explorer now permits exporting the search results to a tabular, formatted HTML file. This option is available from the File menu, and from the context menu available by right-clicking on a Job or Master. The SI Explorer will display these exported files in the Exported Files folder under the corresponding Job or Master. (15-004)

Optionally Exclude Redlines and Notes when Searching and Replacing in SI Explorer

Optionally exclude redlines and notes when searching and replacing text in the SpecsIntact Explorer. Select these options in the new Search and Replace dialog, available from the File menu, or by right-clicking on any Job or Master. (16-003, 10-019)

SpecsIntact Displays Number of Search Occurrences in Each Section

SpecsIntact now displays the number of occurrences of a search term in each Section in which the term occurs. This option is available by default. To select or unselect it, search for a term in any Job or Master.   In the search results in the right pane of the SI Explorer, right-click and select the 'Column Headers…' menu item, and then in the Column Headers for Results Files dialog, choose the 'Occurrences' option, and then click 'OK.' (16-007)

Editor Defaults to Most Recent Explorer or Editor Search Term

When searching or replacing in the SI Editor, the default search term will be the most-recently-used search term in either the SI Explorer or Editor. (10-012)

Search for Tags by Attribute Value in SI Editor

The SI Editor now permits searching for tags that contain user-specified attributes, such as, for example, searching for Tailoring Option tags that contain only the 'ARMY,' 'NAVY,' or 'NASA' attribute. (08-006)

Ignore Tags Searching in SI Editor with Tags Visible

The SI Editor now permits ignoring tags when searching for text, even when tags are visible. Select the option to "Ignore tags" in the Editor's 'Find' dialog to use this feature. This option is selected automatically when tags are hidden, and is not available when replacing text. (11-001)

Open Windows Explorer at any Job or Master Folder

SpecsIntact makes it easy to open Windows Explorer at any Job or Master. Right-click on a Job or Master folder or subfolder in the left pane of the SI Explorer, and select 'Open in Windows Explorer' at the bottom of the context menu. (09-019)

Move Back and Forward in SpecsIntact Explorer

You can now move back and forward to previously selected Job and Master folders in the SpecsIntact Explorer. Click on the 'Back' and 'Forward' buttons at the top of the left pane of the SI Explorer, or right-click in the left pane, and choose either 'Go Back' or 'Go Forward.' The 'Go Forward' command will be active only while you are actively going back, and neither command will be active when you first start the SI Explorer. (17-005)

Previously Tailored Options Automatically Selected for Subsequent Tailoring

The SI Explorer will automatically save and reuse any previous tailoring selections for a Job or Master. Options previously selected for tailoring will be selected automatically for tailoring each time the Explorer displays the Tailoring Options dialog for the same Job or Master. (06-020)

Quickly Locate any Section, Document, Job, or Master in SpecsIntact Explorer

You may now locate a Section by typing the first digits of the number in the text field at the top right of the SpecsIntact Explorer. Use this feature to navigate more quickly within large Jobs and Masters. You can also use this feature to find any other document, Job, or Master when these items are visible in the right pane of the SI Explorer. (15-005, SPECSI-2979)

Add a Final Blank Page to Sections Ending on Odd Page Numbers

To better support double-sided printing, you may now optionally add a final blank page to any Sections or Section tables of contents that end on odd page numbers. To select this option for any Job or Master, choose 'Insert blank pages for double-sided printing' on the Options tab of the Print/Processing dialog. (09-026)

Headers and Footers Easier to Customize

Customize headers and footers more easily using separate left, center, and right-justified editing fields. SpecsIntact no longer requires or supports the special pipe symbol (|) as a delimiter separating the separately justified portions of header and footer lines. (16-008)

Remove English or Metric Units

SpecsIntact now permits removing unused English or Metric units for any Section, or from an entire Job or Master. To do this. select the 'Remove English/Metric Units' command from the File menu (for entire Jobs and Masters) or from the Sections menu (for one or more selected Sections). For Jobs using only one unit of measure, SpecsIntact permits removing only the unused units of measure. (08-003)

Publish Sections to Most Current Word Open XML Format

When publishing Sections to Word format, SpecsIntact will now create these files in the most current Microsoft Open XML (.docx) format. SpecsIntact will still display and allow editing of edit older (.doc) Word files, but will no longer create them. (12-002)

New Dialog for Folder and File Browsing

When browsing for files or folders, SpecsIntact now features a more modern browse dialog consistent with Windows standards. (01-023)

SpecsIntact Saves and Reuses Most Recent SI Printer Selection

Each time it starts, SpecsIntact will automatically select the most recently used SpecsIntact printer, making it easier to pick the correct printer for SpecsIntact printing and publishing. The first time SpecsIntact 5 starts, it will select the default Windows printer automatically. SpecsIntact will also now issue a warning if no default printer exists. (16-006)

Copy PDF Files to External Folder

When publishing Sections to PDF format, you may now save a copy of the PDF documents to an external folder. Specify this folder on the 'PDF Publish' tab of the Print Processing dialog, by checking the option, "Save copies to this folder," and then browsing to any folder on your computer. (SPECSI-2762)

New Section Comments in Section Properties dialog

Add and review comments for a Section in the Section Properties dialog, on the new Comments tab. The SI Explorer will automatically prepend to any new Section comment the date and user's computer login name, if available. When duplicating a Job or Master, you will now be able to choose whether you also wish to duplicate the Section comments. (06-018, SPECSI-2841, SPECSI-3075)

Customizable Review Status in Job Properties

The review status for a Job on the Schedule tab of the Job properties dialog is now customizable. Choose one of the traditional status options from the Review Status/Amendment Level dropdown, or choose the bottom, blank option, and then type in a custom status or amendment level. (03-001)

Submit CCR for UFGS Section from SI Explorer or Editor

SpecsIntact now makes it easy to submit a Criteria Change Request (CCR) for a UFGS Section. After selecting a UFGS Section in the right pane of the SI Explorer, select the option to 'Submit a UFGS CCR...' from the Tools menu, or from the context menu available by right-clicking on the Section. Alternatively, click the 'Submit CCR' button in the Section Properties dialog box. In the SI Editor, select the option to 'Submit UFGS CCR for Section' from the Help menu while editing the Section. Either option will direct your default web browser to the appropriate CCR page for the UFGS Section. If selected for a non-UFGS Section, these options will display the UFGS page on the Whole Building Design Guide website. (10-020)

View Change and Revision History for UFGS Section from SI Explorer or Editor

SpecsIntact also now makes it easy to view the Change/Revision history for a UFGS Section. After selecting a UFGS Section in the right pane of the SI Explorer, select the option 'Change/Revision History...' from the Sections menu or from the context menu available by right-clicking on the Section. In the SI Editor, select the option 'Changes/Revisions for Section' from the Help menu while editing the Section. Either option will direct your default web browser to the appropriate Change/Revision page for the UFGS Section. If selected for a non-UFGS Section, or from the Help menu in the SI Explorer, these options will display the main UFGS Changes and Revisions page on the Whole Building Design Guide website. (SPECSI-3137)

Open UFGS Web Page from SI Explorer

You can now open the UFGS page on the Whole Building Design Guide website in your default web browser by selecting the option, 'Unified Facilities Guide Specifications (UFGS)' from the SI Explorer's Help menu. (SPECSI-3132)

Default File Name for Exporting Submittal Register Data is UFGS4288

When exporting Submittal Register data, the SI Explorer will initially choose a default file name of UFGS4288, but will also save and reuse the last file name chosen. (03-016)

SpecsIntact Adjusts for Missing Working Directories

To better support mobile computing, SpecsIntact will now detect and temporarily disconnect any missing Working Directories, reconnecting them when they become available again. Once SI automatically reconnects them, the Working Directories will function normally. SpecsIntact will still require at least one Working Directory at all times, so having at least one local Working Directory will make this feature work more effortlessly. (09-019)

SpecsIntact Adjusts for Missing Masters

To better support mobile computing, SpecsIntact will now detect and temporarily disconnect any missing Masters, reconnecting them when they become available again. Once SI automatically reconnects them, the Masters will function normally. SpecsIntact will still require at least one default Master at all times, so having a local Master will be required to take advantage of this feature. (09-019)

SpecsIntact Saves Supplemental Reference File for Offline Use

SpecsIntact now will automatically save a copy of the Supplemental Reference file for use when the primary Supplemental Reference file is unavailable. Each time it starts, SpecsIntact will make a copy of the main Supplemental Reference file, if available, or use the local cached copy if the main file is unavailable. (09-019)

Check for New UFGS Versions Without Checking for New Software

SpecsIntact now permits checking for newer versions of the Unified Facilities Guide Specifications (UFGS) without also checking for new SpecsIntact software. These two checks are now independently configurable from the 'General' tab of the Options dialog, available from the Setup menu. (09-019)

Create Sections from Section Templates in Default or Primary Master

SpecsIntact now supports creating new Sections from Section templates contained in Masters. SpecsIntact will automatically make available any Section templates in the primary master for a Job, or the default Master for any Master. In conjunction with this, you can now copy existing Section templates to any Master. (14-004, SPECSI-3051, SPECSI-3052)

SI Editor Displays Tags and Notes after Each UFGS Release

After each new UFGS release and SpecsIntact software installation, the Editor will automatically display tags and specifier notes the first time it opens a Section. After this, the Editor's tags and notes display will remain as you set them. Also, if opening a Section from Windows Explorer,

rather than from a Job or Master, the Editor will automatically turn on the use of Revisions the first time it opens a Section after a UFGS release or new SI installation. Job and Master Revisions settings will always override the Editor's Revisions setting, however, so this change will not apply if opening a Section from a Job or Master using the SI Explorer. (16-004)

Restore Print Settings to Default Values when Renaming or Duplicating Job or Master

When renaming or duplicating a Job or Master, SpecsIntact now features the options to restore print settings to default values. (01-041)

More Job Cover Page Formats

SpecsIntact now supports Job cover pages in PDF or Word file formats, in addition to the native SpecsIntact and RTF formats available in previous versions of SpecsIntact. (09-006)

Job and Master Option to Identify Remote Section Location

To better support third-party file management applications, SpecsIntact now provides an option to specify the location of Job or Master Section files being stored remotely outside SpecsIntact. When you enter a remote location for a Job's or Master's Sections, SpecsIntact will offer to try to open this location to verify that it is accessible. Specify a remote Section location on the Options tab of the Job or Master Properties dialog box. (15-003 and 15-008)

Processed Files are Read-Only

SpecsIntact now creates processed files as read-only, to prevent accidental editing of these temporary intermediate files. (07-010)

Single Change Request Folder for Each User Independent of Working Directories

For simplicity and consistency, SpecsIntact now stores all saved Change Requests under a user's roaming profile (e.g., C:\Users\USER_NAME\AppData\Roaming\SpecsIntact\Template\Comment Archive). When SI 5 first starts, it will attempt to copy all saved Change Requests to this folder, and will then automatically save additional ones there. (02-036)

Optionally Disable Submittal Wizard

The SpecsIntact Editor now features an option to disable the Submittal Wizard when inserting new submittals. The SpecsIntact team strongly recommends the use of the Submittal Wizard, but you may disable it by unchecking the option, "Use Submittal Wizard for inserting submittals," on the 'Edit' tab of the Options dialog, available from the Editor's Tools menu. C

More Consistent Mouse-over Hint Text

SpecsIntact now features more consistent mouse-over hint text.
Pause your mouse cursor over most controls in any dialog to
display applicable hints. (04-021)

SI Explorer Indicates Locked Sections During Replacement

The SpecsIntact Explorer will now report Sections where errors
occur during search and replace operations. The Explorer will
no longer fail when attempting to replace terms in locked
Sections. (SI-2828)

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IV. Known Problems Using SpecsIntact

Avoid Using Punctuation Characters in SI Working Directories

Using punctuation characters in SpecsIntact Working
Directories can cause SpecsIntact to work incorrectly. Avoid
all characters that Windows prohibits, including '\/:?*<>|",'
as well as commas (,), semi-colons (;), caret symbols (^), and
most other punctuation. Safe punctuation characters to use in
SpecsIntact working directories are the underscore (_), hyphen
(-), and space characters.

**Publishing to Word or Exporting Submittal Register to Excel
Format May Fail with Microsoft Office Live Add-In**

The Microsoft Office Live Add-In may prevent SpecsIntact from
publishing Sections to Word format and exporting Submittal
Register data to Excel format. Users who experience trouble
performing these SpecsIntact functions should check to see if
they have the Office Live Add-In, which is installed
automatically with the Office Live Update. The
"Troubleshooting" section of the SpecsIntact Knowledge Base,
http://si.ksc.nasa.gov/KnowledgeBase/TechHelp.htm, includes
instructions for disabling this Add-In if it is present.

**Avoid Merging Formatted Table Rows to Heights Exceeding a Full
Page**

Information on the bottom of merged rows in formatted tables
will not print if the rows are merged to a height that exceeds
the height of a printed page.

Formatted Table Size Limited in Test Requirements (TST Tags)

Formatted tables inside TST tags are limited to approximately
40 rows. Use multiple TST tags and formatted tables for large
amounts of tabular test data.

**Must Hold Shift or Control Key When Dragging Multiple Sections
in SI Explorer**

When using the shift or control key to select and drag
multiple Sections from one Job or Master to another,
SpecsIntact Explorer versions 4.6.0 and newer require that you
keep the shift or control key pressed until after you start to
drag the Sections.

Text Truncated in Some Dialog Boxes

Text in some SpecsIntact dialog boxes may be truncated, especially when using smaller Windows text sizes. In most cases, switching to another text size (such as medium) will eliminate this issue. These settings are available in the Windows Control Panel.

Highlighting Quickly From Bottom to Top Can Cause Editor to Fail

Quickly highlighting text from bottom to top can cause the SpecsIntact Editor to fail. This problem does not occur when highlighting from top to bottom, and highlighting slightly more slowly will prevent it. For highlighting or deleting subparts, we strongly recommend using the Editor's Navigator, which is not susceptible to this issue. For highlighting and deleting any other tags, we recommend using the Editor's Shift-Delete feature, rather than manually highlighting and deleting the tagged text.

Remove Tags and Check Submittal Features Work Only on Tags Outside Tables

The Editor's "Remove Tags" and "Check Submittal" commands work only on tags located outside of tables.

Editor Hint Text Flickers at Windows Text Sizes Exceeding 149%

The SI Editor displays hint text when the mouse cursor hovers over certain tagged text, such as Reference Identifiers (RID tags), Tailoring Options (TAI tags), and hyperlinks (URL tags). Enlarging the Windows display text (DPI) to 'Larger' sizes of 150% or greater will cause these hints to flicker rapidly. To prevent this, set your Windows text size (DPI) to 149% or less. Do this by right-clicking on the Windows desktop, selecting 'Personalize,' then 'Display,' and then 'Set custom text size (DPI).' Type 149 in the box labelled 'Scale to this percentage of normal size.' You may also disable the Editor's hint text by unchecking the box labelled 'Provide hint text when the mouse cursor hovers over tags' on the 'Edit' tab of the Editor's Options dialog box, which is available from the Tools menu.

Carriage Returns and Spaces Not Visible in Table Cells When Viewing Marks

Spaces and carriage returns inside formatted tables are not visible when viewing marks in the SpecsIntact Editor.

Revisions in Formatted Tables Not Published to Word

When publishing to Microsoft Word format and showing revisions, SpecsIntact does not publish revisions inside formatted tables.

Editor Reverts to Default Tags Bar Buttons

When using for the first time SpecsIntact version 5.0 or later, customizations to the SI Editor's tags bar will be missing. Restoring any missing buttons and button separators will correct this issue, and it will not recur.

Publishing to PDF Using Adobe Acrobat Generates ActiveX Error

When publishing to PDF format with Adobe Acrobat, you may encounter an ActiveX error number 429. This typically occurs due to insufficient user permissions for modifying the Windows registry. To remedy this problem, your system administrator will need to give you full permission to update the registry key HKEY_CLASSES_ROOT\AppID, as well as its subkeys. Always make a backup of the Windows registry before modifying it. For more assistance with this issue, please contact our support desk.

Other Applications Installed "When Required" Cause SpecsIntact to Fail or Work Incorrectly

SpecsIntact may fail or work incorrectly if you have installed other Windows products with the option "feature will be installed when required." This is a problem with the Microsoft Windows install-on-demand feature. A common symptom of this problem is a request to provide the installation disk for *another application* when you first run SpecsIntact after installing it. This failure occurs because Windows does not permit the SpecsIntact installation to supply components that it needs in order to work, and then later attempts to obtain these components by prompting for the installation disk for the other software application. To work around this issue, reinstall the other application with all components fully installed, and then reinstall SpecsIntact.

Submittal Register Lines Overlap Text Using Adobe Acrobat

When printing a submittal register to PDF format using Adobe's Acrobat PDF Writer, some horizontal lines may be shifted up or down so that they overlap the adjacent text. This problem with Acrobat occurs when the PDF Writer graphics resolution is set to SCREEN. To correct this problem, change the graphics resolution to any value other than SCREEN. To do this from the SpecsIntact Print Processing dialog box, select the "Setup" button, and after ensuring that PDF Writer is the selected printer, choose the "Properties" button. In the Acrobat PDF Writer Properties dialog box, the "Resolution" should be set to any value other than SCREEN (150 dpi is a good option). Select "OK" to accept this change.

Old Style Table Tagging Structure and Capabilities are Limited

Old style table headers (THD tags) may sometimes inadvertently wrap to the following page or cause portions of the remainder of the document to be underlined. Refer to the User's Guide for guidance on the proper formatting of old-style tables. When creating tables, we recommend the use of formatted tables, created by typing the F5 key while editing in the SpecsIntact Editor.

Redlined Subparts Omitted from the Section Table of Contents

When displaying Revisions in printed documents, redlined subparts do not appear in the section table of contents.

SpecsIntact Editor Limited to 500 TrueType Fonts

The SpecsIntact Editor will work with up to 500 TrueType fonts. Users with more than 500 TrueType fonts on their system will not be able to view or select all available fonts in the Editor's Fonts dialog box.