



SpecsIntact and The UFGS Master

NASA Facilities Engineering and Real Property Conference

May 17 – 19, 2016

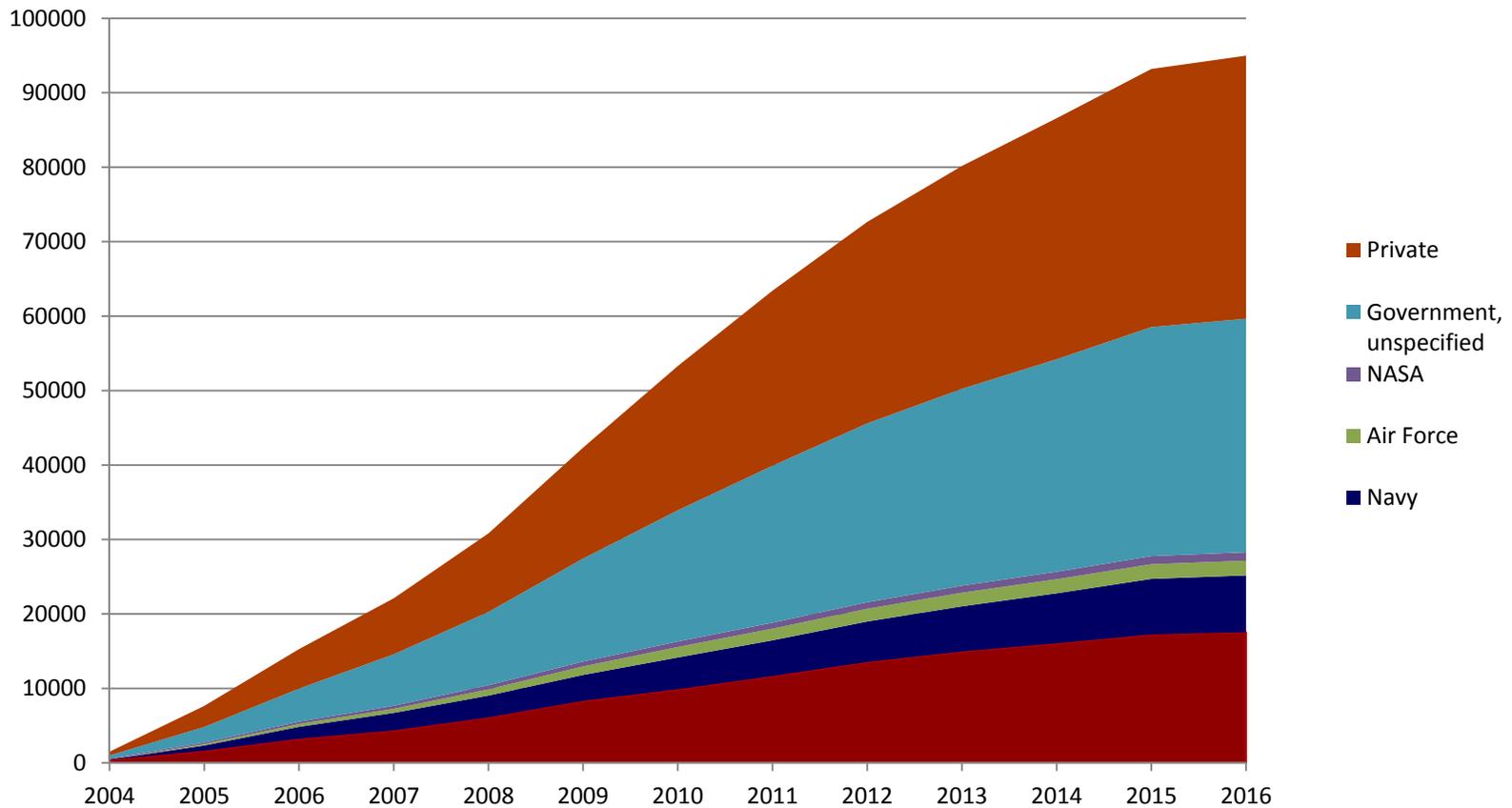
Presented By:
Cheryl Fitz-Simon
Jim Whitehead

Overview

- Specsintact Overview
- Specsintact Web Site And Documentation
- SpecsIntact Features
- SpecsIntact 5 Explorer
- Unified Facilities Guide Specifications (UFGS) Master

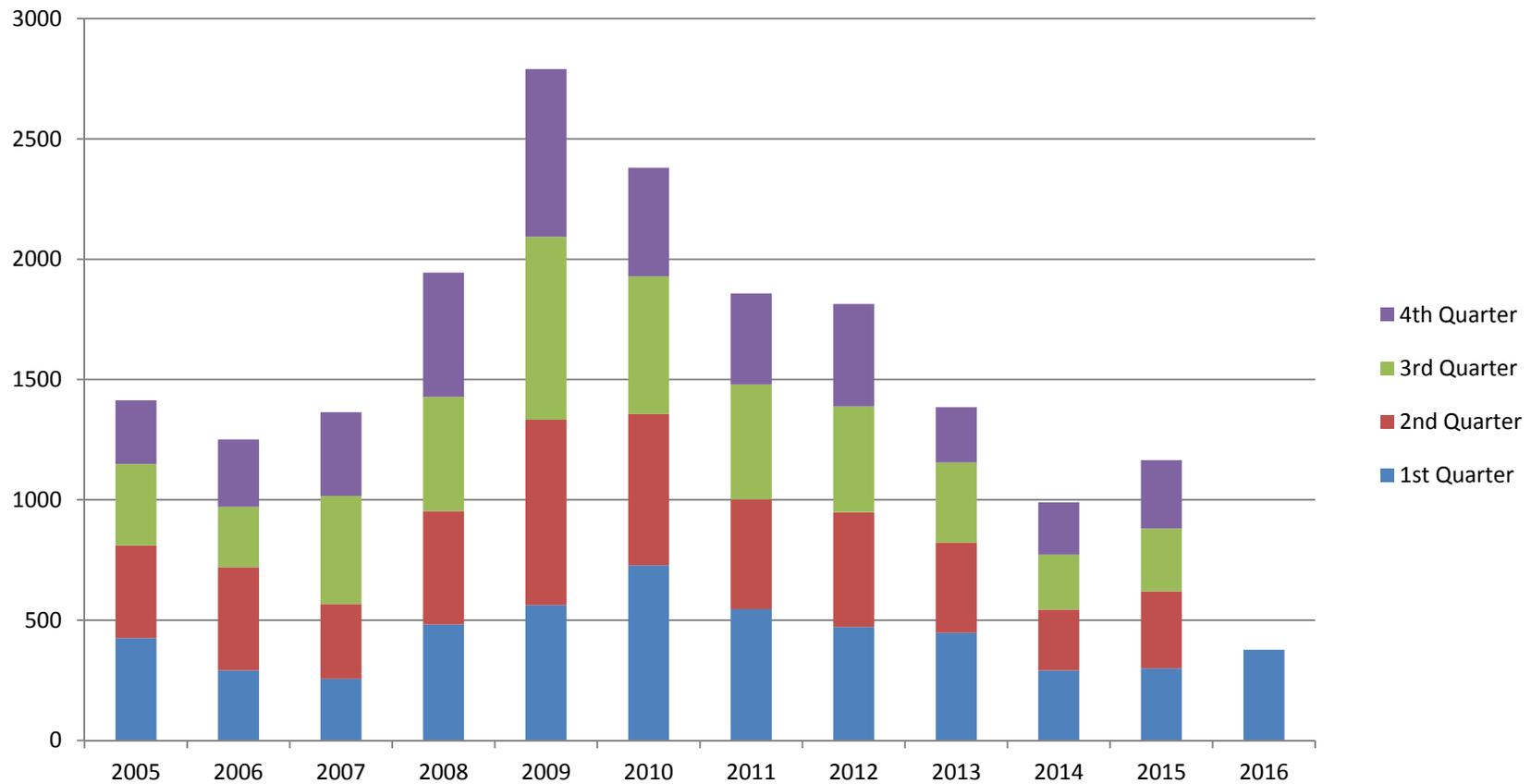
SpecsIntact Users

- We have counted over 95,000 SI users since 2004



SI Customer Support

- 2015 was first year of increased support calls since federal stimulus



Web Site and Documentation

Http://si.ksc.nasa.gov

- General Information
 - Software
 - Masters
 - Support
 - News Updates
 - Hyperlinks To Related Resources
- Extensive Help Center
 - eLearning Modules
 - Installation Guide
 - QuickStart Guides
 - Traditional Paragraph Numbering
 - Automatic Numeric Paragraph Numbering
 - Automatic Alphanumeric Numbering

SpecsIntact
ARMY NASA NAVY

HOME SOFTWARE MASTERS SUPPORT HELP CENTER NEWS SITE MAP

Information

- [Help Center](#)
- [SpecsIntact Overview Brochure](#)
- [SpecsIntact Feature Brochure](#)
- [SpecsIntact Newsletter](#)
- [Submit comments about our site](#)

Technical Support

Monday - Friday
8:00 AM - 4:30 PM Eastern Time
Phone: (321) 867-8800
E-Mail: ksc-specsintact@hqs.nasa.gov
[Technical Support Page](#)

E-Mail Notifications

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Other Links

If you do not have the PDF reader, click the link to connect to the Adobe web site for a free download.

- [Get Adobe Reader](#)

SpecsIntact

Site Updated | Apr 27, 2016

SpecsIntact is a mature automated system for preparing standardized facility construction specifications used worldwide by National Aeronautics and Space Administration (NASA), the U.S. Naval Facilities Engineering Command (NAVFAC), and the U.S. Army Corps of Engineers (USACE).

Headlines

Updated | Jan 25, 2016

- 2016 First Quarter UFGS Master Released [read more](#)
- SpecsIntact v4.6.1 Is Here! [read more](#)
- Holiday Technical Support Hours [read more](#)
- eLearning Modules Are Here! [read more](#)
- Holiday Technical Support Hours [read more](#)

SPECSINTACT IS A SOFTWARE PRODUCT OF THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA), AND IS DEVELOPED AND MAINTAINED UNDER THE INFORMATION MANAGEMENT COMMUNICATIONS SERVICES (IMCS) AT THE KENNEDY SPACE CENTER. ALL OTHER PRODUCTS MENTIONED ARE REGISTERED TRADEMARKS OF THEIR RESPECTIVE COMPANIES.

SPECSINTACT, KENNEDY SPACE CENTER, FL 32899

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USA.gov

Website Curator: Cheryl Pitt-Soren
NASA Official: Justin Azead
Last Updated: Wednesday, Apr 27, 2016

Web Site and Documentation

[Http://si.ksc.nasa.gov](http://si.ksc.nasa.gov)

- QuickTours
- Knowledge Base
 - Frequently Asked Questions
 - Troubleshooting
 - Release Notes
 - Technical Notes
- Online Help
- Specsintact Brochures



Self-Guided Video Training



SpecsIntact Explorer



Key Features of Current Release v4.6.1

SpecsIntact Explorer

- Drag And Drop Section(s) Within Specsintact
 - From A Master To A Job Or From One Job To Another
- Drag And Drop Sections From Outside Specsintact
 - From Windows Explorer To The SI Explorer
- Job and Master Names up to 16 Characters

Global Search and Replace

- Provides Capability To Search And Replace Text For An Entire Job Or Master

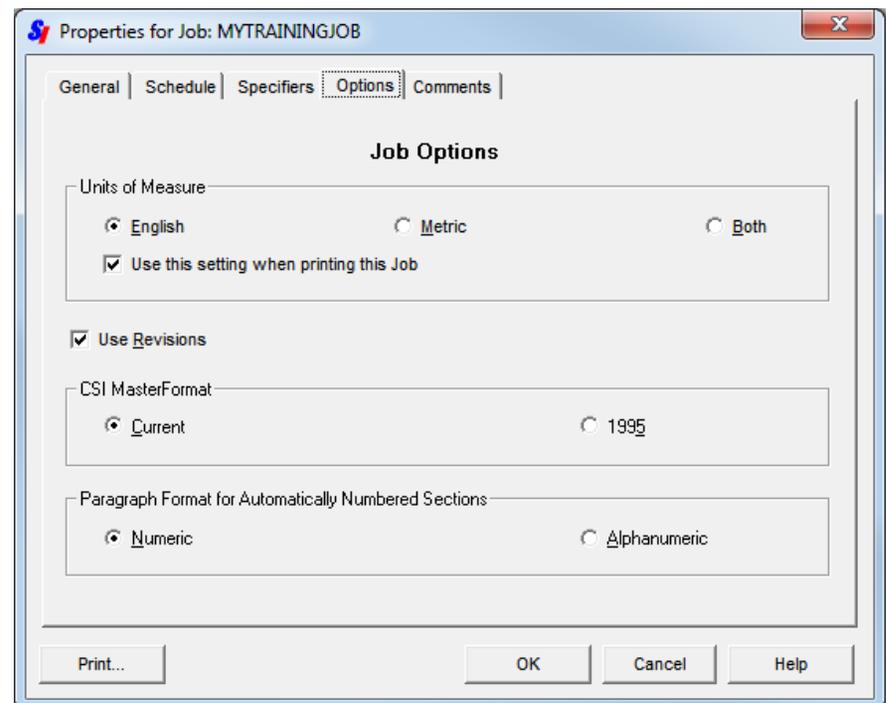


The screenshot shows a dialog box titled "Enter Search Text" with a close button (X) in the top right corner. The dialog contains the following elements:

- Find:** A text input field containing the word "Contractor".
- Replace With:** A text input field containing the word "Subcontractor".
- A group of checkboxes:
 - Ignore Lowercase/Uppercase
 - Search whole word
 - Mark Revisions
 - Find files without search term
- A vertical stack of buttons on the right side: "Find", "Replace", "Cancel", "Help", and "Backup".
- A warning message at the bottom: "Please consider backing up first!"

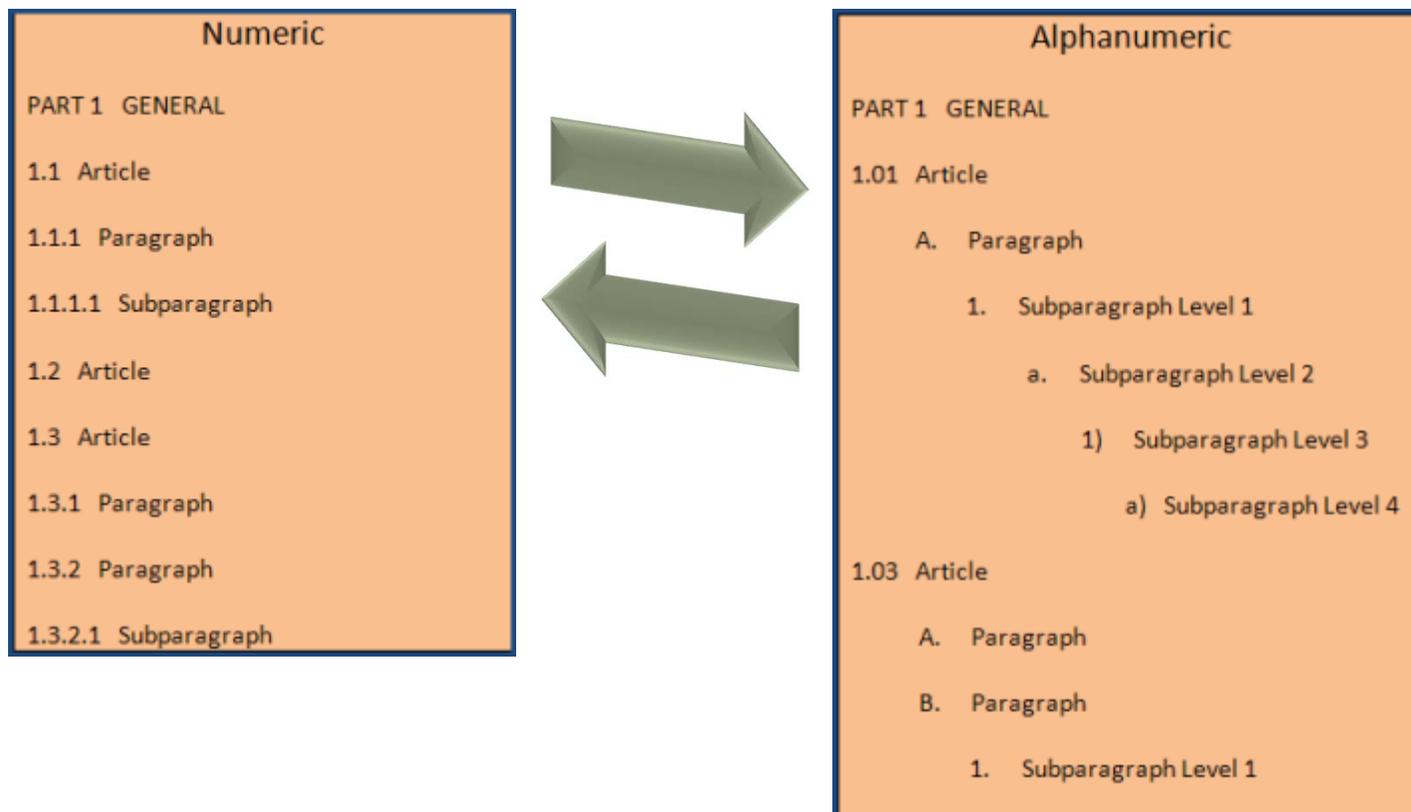
Global Settings

- Designed To Store Specific Settings For Jobs And Masters
 - Units Of Measure
 - Use Revisions
 - CSI MasterFormat™ Version
 - Paragraph Format For Automatically Numbered Sections



Global Settings

Automatic Paragraph Numbering



Tailoring Options

- Pre-editing Tool
 - Option To Apply Selections To Every Section



Tailor Sections in Job: MYTRAININGJOB

To remove tailored data from within a Section, clear the mark next to the Tailor Option. Clearing at the Section level will clear all the options for that Section.

To make the same Tailoring Option selections in all Sections, check the option 'Automatically apply check/uncheck to identical Tailoring Options in other Sections' BEFORE selecting or deselecting any Tailoring Options.

Of the 13 Sections selected, 11 Sections with Tailoring Options are listed.

Automatically apply check/uncheck to identical Tailoring Options in all Sections (applies only to selections made after it is checked)

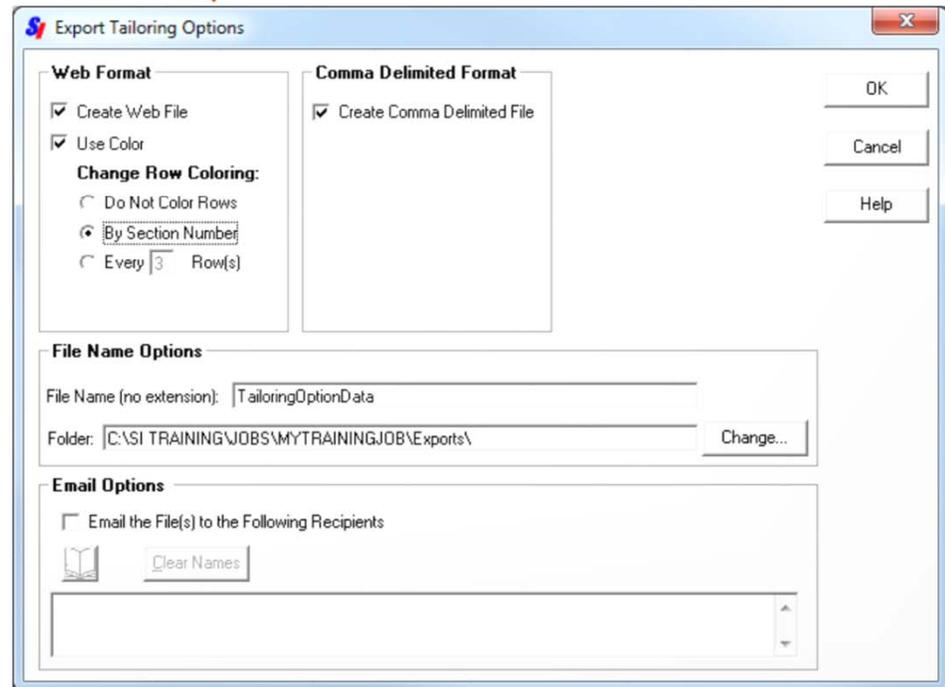
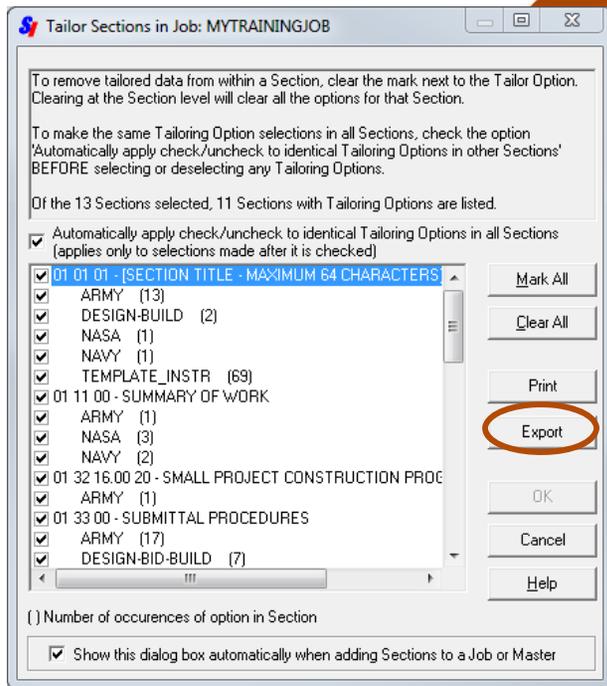
<input checked="" type="checkbox"/>	NASA (1)
<input type="checkbox"/>	NAVY (1)
<input checked="" type="checkbox"/>	TEMPLATE_INSTR (69)
<input checked="" type="checkbox"/>	01 11 00 - SUMMARY OF WORK
<input type="checkbox"/>	ARMY (1)
<input checked="" type="checkbox"/>	NASA (3)
<input type="checkbox"/>	NAVY (2)
<input checked="" type="checkbox"/>	01 32 16.00 20 - SMALL PROJECT CONSTRUCTION PROC
<input type="checkbox"/>	ARMY (1)
<input checked="" type="checkbox"/>	01 33 00 - SUBMITTAL PROCEDURES
<input type="checkbox"/>	ARMY (17)
<input checked="" type="checkbox"/>	DESIGN-BID-BUILD (7)
<input checked="" type="checkbox"/>	DESIGN-BUILD (16)
<input checked="" type="checkbox"/>	ELECTRONIC SUBMITTAL (1)
<input checked="" type="checkbox"/>	HARD COPY SUBMITTAL (6)

() Number of occurrences of option in Section

Show this dialog box automatically when adding Sections to a Job or Master

Buttons: Mark All, Clear All, Print, Export, OK, Cancel, Help

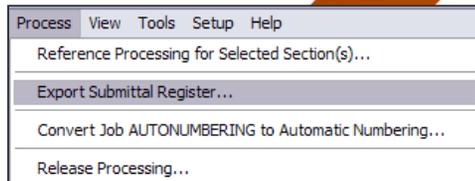
Export Tailoring Options



Exported Tailoring Options List

TAILORING OPTIONS						
TITLE:		SpecsIntact Documentation				
JOB NAME:		Example				
LOCATION:		Kennedy Space Center, FL				
CONTRACT NO:						
CONTRACTOR:						
Line	Remove	Section Number	Specification Section	Tailoring Option	Count	Comments
1		00 73 04	SUPPLEMENTARY CONDITIONS FOR PROJECTS	AVIANO	4	
2		01 33 00	SUBMITTAL PROCEDURES	ARMY	20	
3		01 33 00	SUBMITTAL PROCEDURES	CONSTRUCTION	5	
4		01 33 00	SUBMITTAL PROCEDURES	DESIGN-BUILD	13	
5		01 33 00	SUBMITTAL PROCEDURES	NASA	16	
6		01 33 00	SUBMITTAL PROCEDURES	NAVY	13	
7		01 33 29	LEED(TM) DOCUMENTATION	NAVY	2	
8		04 20 00	MASONRY	BRICK	14	
9		04 20 00	MASONRY	CMU	13	
10		04 20 00	MASONRY	INSULATION	7	
11		04 20 00	MASONRY	NAVY	9	
12		04 20 00	MASONRY	PC ITEMS	5	
13		04 20 00	MASONRY	PREFACED CMU	1	
14		04 20 00	MASONRY	STONE	2	
15		22 00 00	PLUMBING, GENERAL PURPOSE	AIR FORCE	13	
16		22 00 00	PLUMBING, GENERAL PURPOSE	ARMY	12	
17		22 00 00	PLUMBING, GENERAL PURPOSE	COMPRESSED AIR SYSTEM	5	
18		22 00 00	PLUMBING, GENERAL PURPOSE	FIXTURES	5	
19		22 00 00	PLUMBING, GENERAL PURPOSE	NASA	14	
20		22 00 00	PLUMBING, GENERAL PURPOSE	NAVY	17	
21		22 00 00	PLUMBING, GENERAL PURPOSE	PIPING	35	
22		22 00 00	PLUMBING, GENERAL PURPOSE	PRESSURE PIPING	3	
23		22 00 00	PLUMBING, GENERAL PURPOSE	PUMPS	4	
24		22 00 00	PLUMBING, GENERAL PURPOSE	WATER HEATERS	9	
25		26 56 36.00 40	FLOOD LIGHTING	NAVY	3	

Export Submittal Register



Submittal Register [X]

Web Format	Comma Delimited Format	Excel Format
<input checked="" type="checkbox"/> Create Web File	<input type="checkbox"/> Create Comma Delimited File	<input checked="" type="checkbox"/> Create Excel File
<input checked="" type="checkbox"/> Use Color		<input checked="" type="checkbox"/> Use Color
Change Row Coloring:		Change Row Coloring:
<input type="radio"/> Do Not Color Rows		<input type="radio"/> Do Not Color Rows
<input checked="" type="radio"/> By Section Number		<input checked="" type="radio"/> By Section Number
<input type="radio"/> Every <input type="text" value="3"/> Row(s)		<input type="radio"/> Every <input type="text" value="3"/> Row(s)
		<input type="checkbox"/> Bold Lines Between Sections

File Name Options

File Name (no extension):

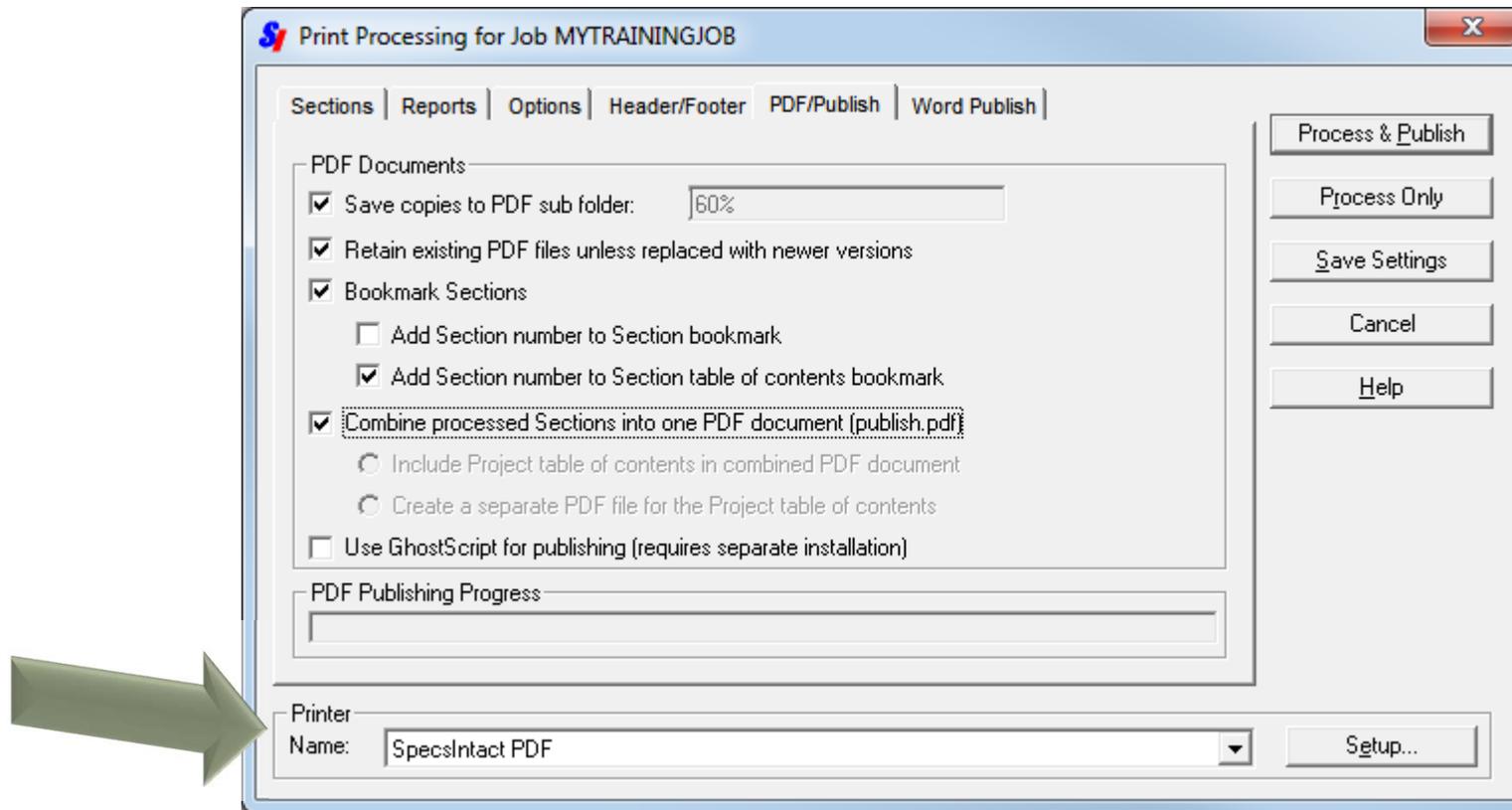
Folder:

Email Options

Email the File(s) to the Following Recipients

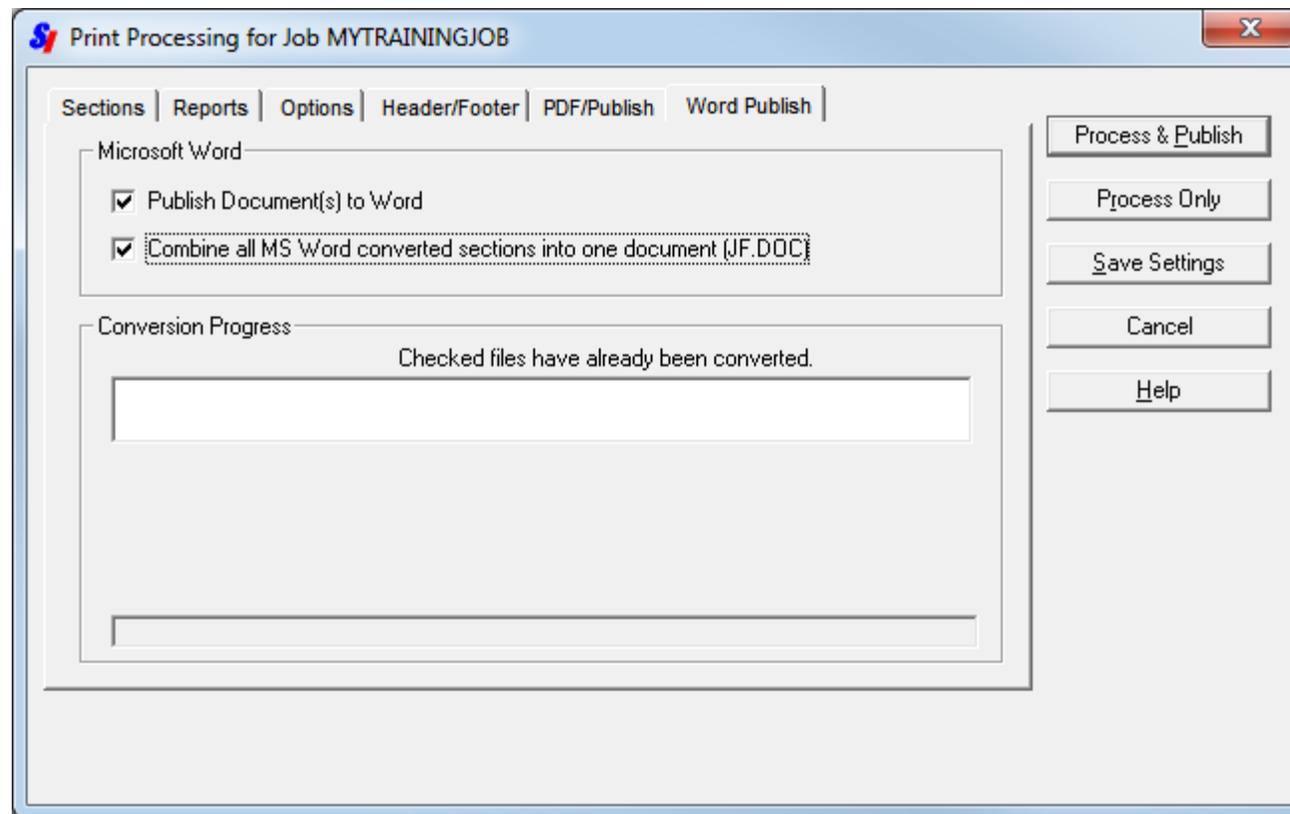
Publishing to PDF

- Built-in Feature To Publish Guide Specifications To PDF
- Integrated SpecsIntact PDF Printer



Publishing to Microsoft Word

- Built-in Feature To Publish Guide Specifications To Microsoft Word®



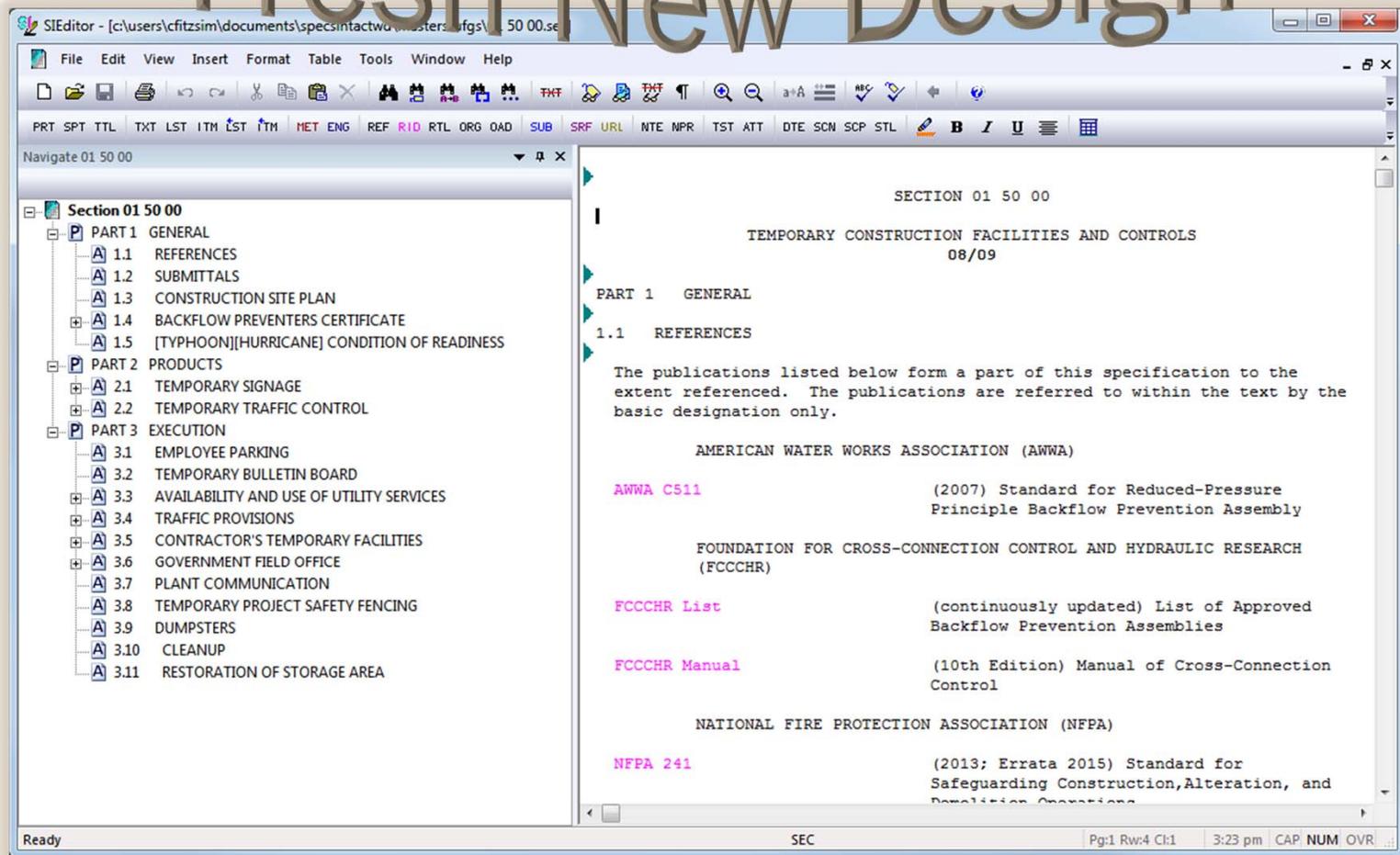
SpecsIntact Editor



Key Features of Current Release v4.6.1

The Editor

Fresh New Design



The Editor

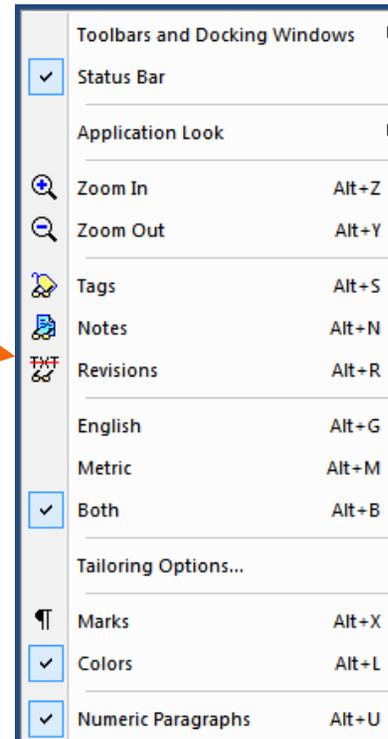
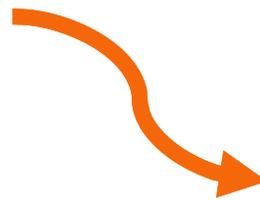
Customizable Toolbar



and Tagsbar

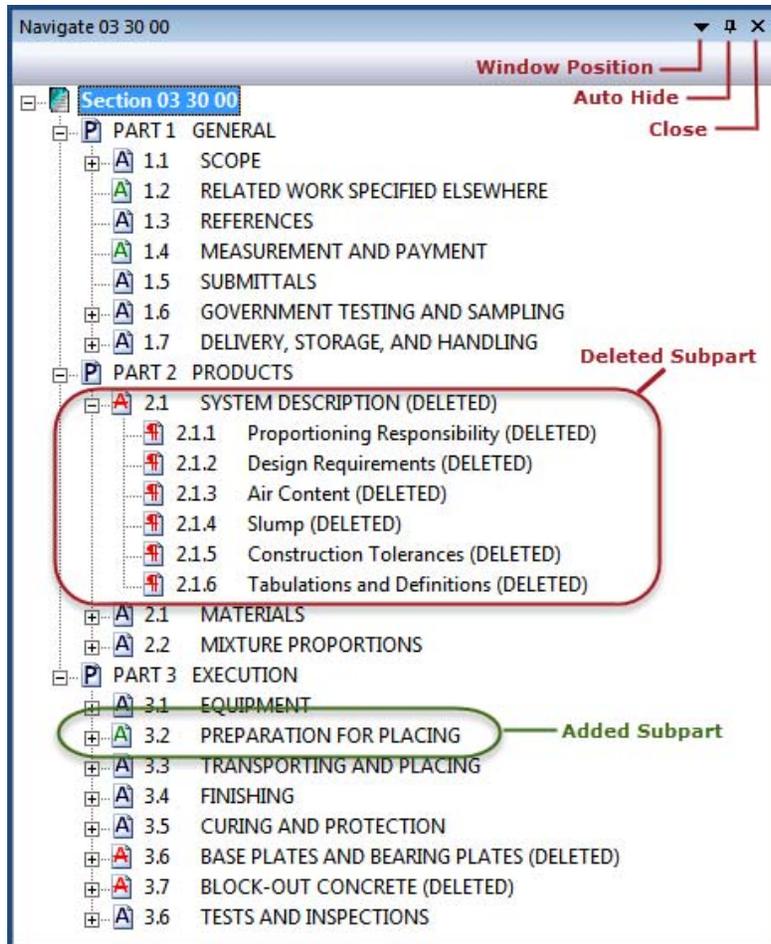


*Enhanced
Dropdown
Menus*





The Navigator



Designed To Simplify Editing and Navigating Through A Section

Highlighting, deleting and undeleting subparts

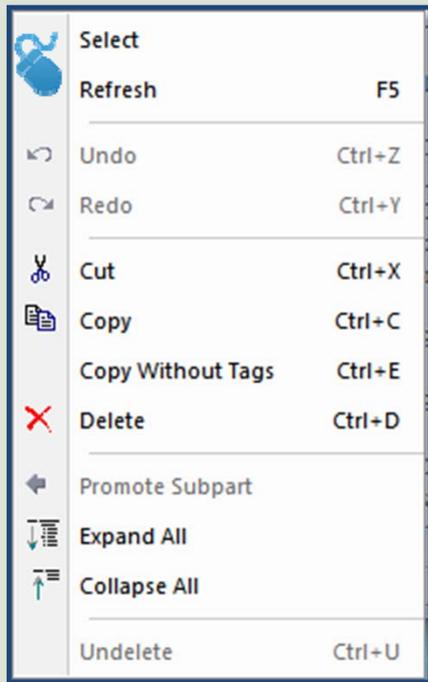
Navigator Icons

Icons Description

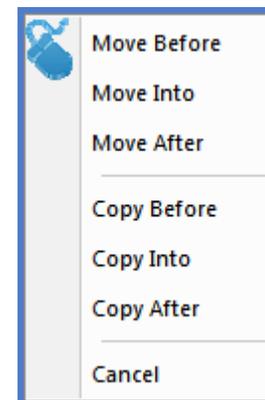
	PART
	ARTICLE
	Paragraph
	Subparagraph
	Redlined: Attribute: Red with strikethrough Applies to the PART, ARTICLE, Paragraph, and Subparagraph Icons
	Hidden: Attribute: Transparent Applies to the PART, ARTICLE, Paragraph, and Subparagraph Icons when elements are hidden such as Revisions, Metric, or English

Navigator's Editing Functions

Navigator's Right-Click Menu



Using the Navigator to Move or Copy Subparts

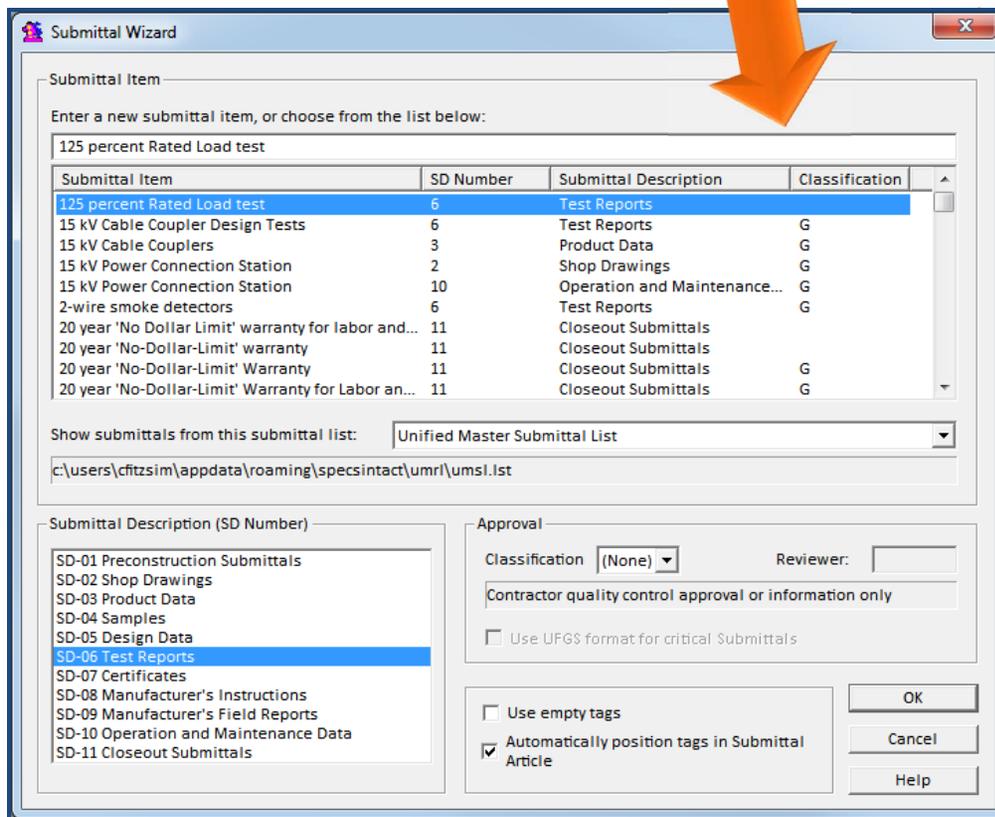


Right-click
Drag and Drop



Submittal Wizard

- To Launch The Submittal Wizard, Select The Tagsbar Submittal Key Button 



Submittal Wizard

Submittal Item

Enter a new submittal item, or choose from the list below:

125 percent Rated Load test

Submittal Item	SD Number	Submittal Description	Classification
125 percent Rated Load test	6	Test Reports	
15 kV Cable Coupler Design Tests	6	Test Reports	G
15 kV Cable Couplers	3	Product Data	G
15 kV Power Connection Station	2	Shop Drawings	G
15 kV Power Connection Station	10	Operation and Maintenance...	G
2-wire smoke detectors	6	Test Reports	G
20 year 'No Dollar Limit' warranty for labor and...	11	Closeout Submittals	
20 year 'No-Dollar-Limit' warranty	11	Closeout Submittals	
20 year 'No-Dollar-Limit' Warranty	11	Closeout Submittals	G
20 year 'No-Dollar-Limit' Warranty for Labor an...	11	Closeout Submittals	G

Show submittals from this submittal list: Unified Master Submittal List

c:\users\cftzsim\appdata\roaming\specsintact\umrl\umsl.lst

Submittal Description (SD Number)

- SD-01 Preconstruction Submittals
- SD-02 Shop Drawings
- SD-03 Product Data
- SD-04 Samples
- SD-05 Design Data
- SD-06 Test Reports**
- SD-07 Certificates
- SD-08 Manufacturer's Instructions
- SD-09 Manufacturer's Field Reports
- SD-10 Operation and Maintenance Data
- SD-11 Closeout Submittals

Approval

Classification: (None) Reviewer: _____

Contractor quality control approval or information only

Use UFGS format for critical Submittals

Use empty tags

Automatically position tags in Submittal Article

OK Cancel Help

You get Everything!

SD-06 Test Reports

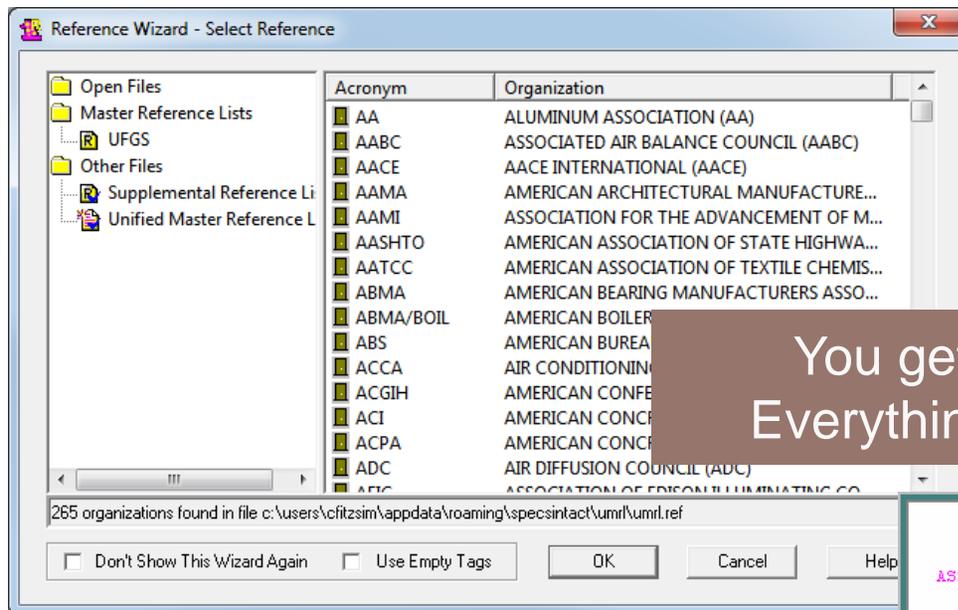
Backflow Preventer Tests

125 Percent Rated Load Test



Reference Wizard

- To Launch The Reference Wizard, Select One Of The Reference Buttons Located On The Tags Bar



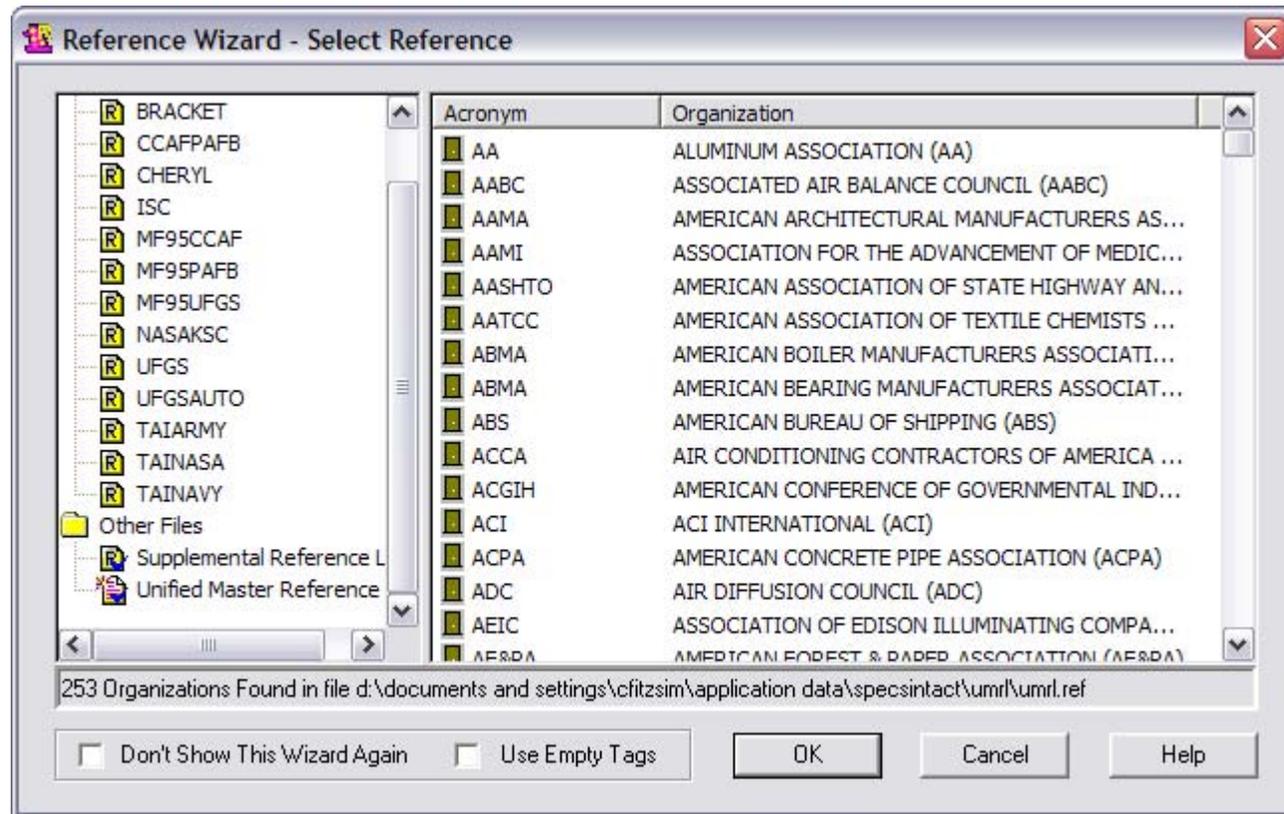
You get Everything!



AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE)	
ASSE 1009	(1990) Commercial Food Waste Grinder Units
ASSE 1018	(2001) Trap Seal Primer Valves, Water Supply Fed
ASSE 5000	(1998) Professional Qualification Standard for Backflow Prevention Assembly Testers, Repairers and Surveyors



Reference Wizard



Formatted Tables



Insert Table

Size

Number of columns: 4

Number of rows: 4

Number of header rows (printed on each page): 1

Borders

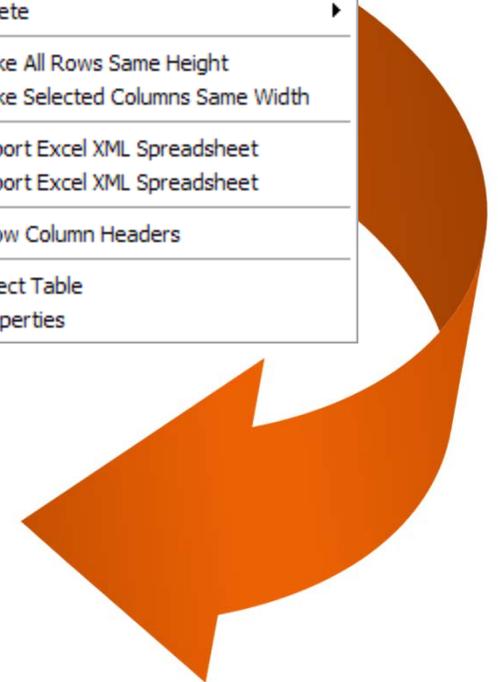
Show borders: Always

Border style: Thin

OK Cancel Help

Merge Cells
Unmerge All Cells
Justify ▶
Set Background Color for ▶
Clear Background Color for ▶
Insert ▶
Delete ▶
Make All Rows Same Height
Make Selected Columns Same Width
Import Excel XML Spreadsheet
Export Excel XML Spreadsheet
Show Column Headers
Select Table
Properties

DEPTH MINIMUM (inch)	WIDTH OF UNIT NOMINAL	NUMBER OF CELLS PER UNIT (inch)	WIDTH OF CELLS NOMINAL (inch)
3	24	4	3-5/8
3	12	1	9-5/8
6	24	3	5-5/8



Bracket Replacement



Replace Bracketed Text

Select Item(s) to Replace Bracketed Text

Contractor Quality Control approval.
information only. When used, a designation following the "C

Replace Bracketed Text With:

- Selected Item(s), Above
- Existing Text (remove brackets)
- No Text
- New Text, Below

Don't Move This Dialog Box

Replace Deleted Characters with Spaces Inside Tables

Occurrences

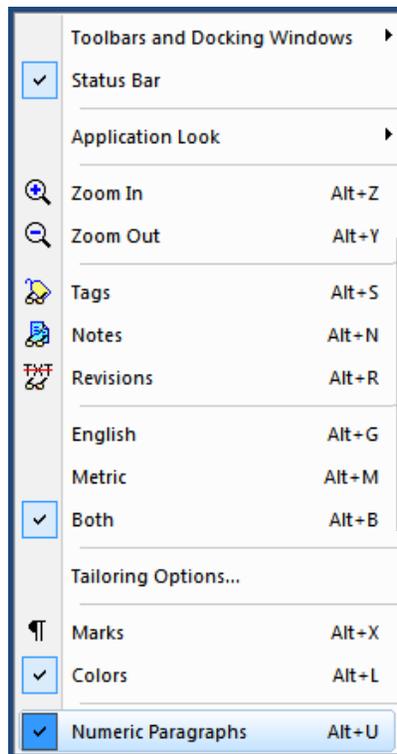
Found: 0001 Edited: 0000

Pause After Each Change

Buttons: Replace, Ignore, Cancel, Help, Undo Last, Hide Details

Automatic Paragraph Numbering View

Easily Toggle Back And Forth
From Numeric To Alphanumeric
With One View Option



Numeric

1.2 SYSTEM DESCRIPTION

1.2.1 General Requirements

Designate Deep Longspan Steel Joists on the drawings in accordance with the standard designations of the Steel Joist Institute. Joists of other standard designations or joists with properties other than those shown may be substituted for the joists designated provided the structural properties are equal to or greater than those of the joists shown and provided all other specified requirements are met. Erect joist framing conforming to 29 CFR 1926.757. Secure all joist bridging and anchoring in place prior to the application of any construction loads. Distribute temporary loads so that joist capacity is not exceeded. Do not apply loads to bridging.

[1.2.2 Metric Dimensions

]1.3 SUBMITTALS



Alphanumeric

1.02 SYSTEM DESCRIPTION

A. General Requirements

Designate Deep Longspan Steel Joists on the drawings in accordance with the standard designations of the Steel Joist Institute. Joists of other standard designations or joists with properties other than those shown may be substituted for the joists designated provided the structural properties are equal to or greater than those of the joists shown and provided all other specified requirements are met. Erect joist framing conforming to 29 CFR 1926.757. Secure all joist bridging and anchoring in place prior to the application of any construction loads. Distribute temporary loads so that joist capacity is not exceeded. Do not apply loads to bridging.

[B. Metric Dimensions

]1.03 SUBMITTALS

Coming Soon

SpecsIntact 5



SpecsIntact 5 Explorer

SpecsIntact

File Sections Process View Tools Setup Help

New Job New Master Print/Publish Properties Add Sections Section Properties Edit Connect Masters Working Directories Help

Available Projects

- Jobs
 - MYTRAININGJOB
- Masters
- UFGS

Contents of 'MYTRAININGJOB' - My Job I Am Creating So I Can Learn How to Master SpecsIntact

Name	Title	Date Modified	Preparing
01 01 01	[SECTION TITLE - MAXIMUM 64 CHARACTERS]	4/25/16 16:12	
01 11 00	SUMMARY OF WORK	2/12/16 09:31	NAVFAC
01 32 16.00 20	SMALL PROJECT CONSTRUCTION PROGRESS SCHEDULES	2/12/16 09:31	NAVFAC
01 33 00	SUBMITTAL PROCEDURES	3/8/16 14:26	NASA
01 35 13	SPECIAL PROJECT PROCEDURES	11/12/15 10:03	NAVFAC
01 42 00	SOURCES FOR REFERENCE PUBLICATIONS	11/2/15 12:35	USACE
02 65 00	UNDERGROUND STORAGE TANK REMOVAL	11/12/15 10:03	USACE
	REMOVAL/CONTROL AND DISPOSAL OF PAINT WITH LEAD	11/12/15 10:03	NAVFAC
	ROAD IN CONSTRUCTION	11/12/15 10:03	NAVFAC
	CAST-IN-PLACE CONCRETE	12/9/15 18:21	NAVFAC
04 20 00	UNIT MASONRY	11/12/15 10:03	USACE
12 48 00.13 06	WALK-OFF MAT	4/16/09 16:03	
33 71 02		11/12/15 10:04	NAVFAC

13 Files | 5/10/2016 | 13:03

New Modern Design

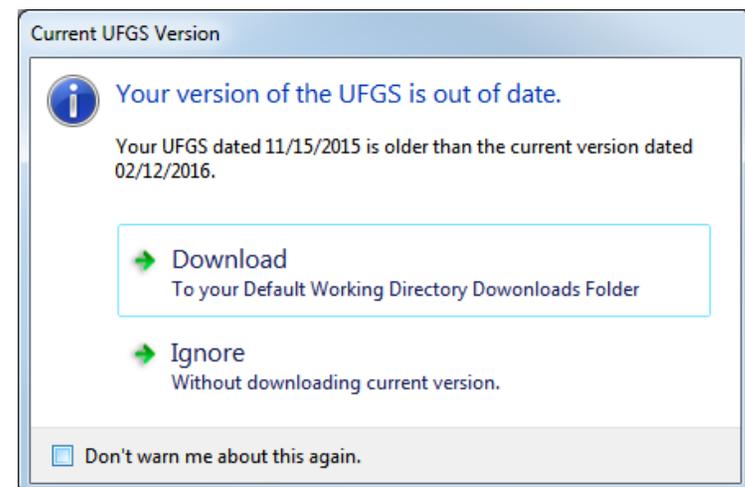
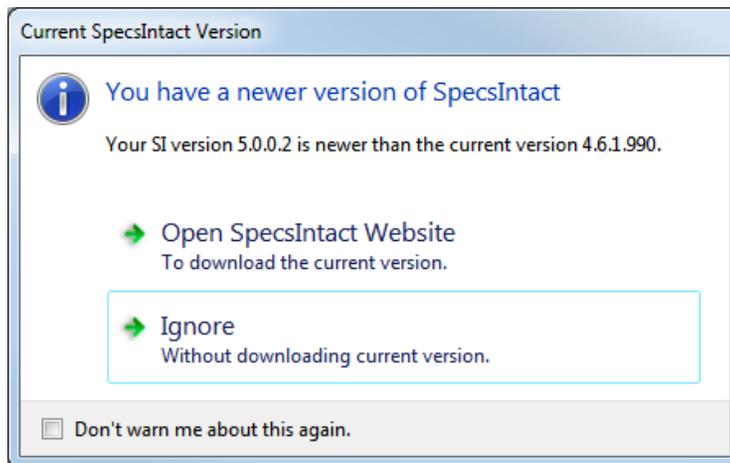
Improved Security and Maintainability

SpecsIntact 5 Explorer

- New Toolbar and Buttons

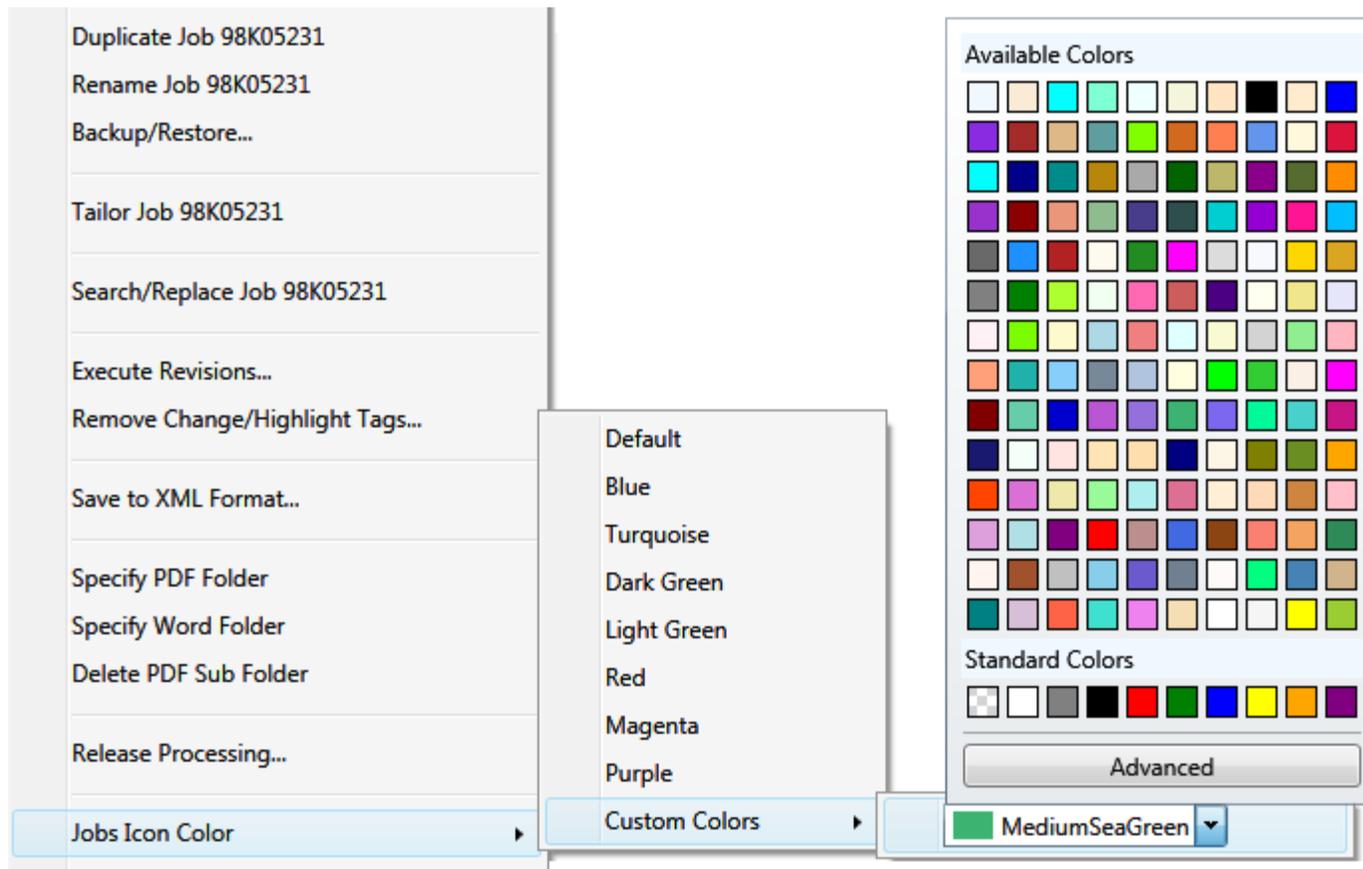


- Separate (optional) checks for new Software and UFGS Master



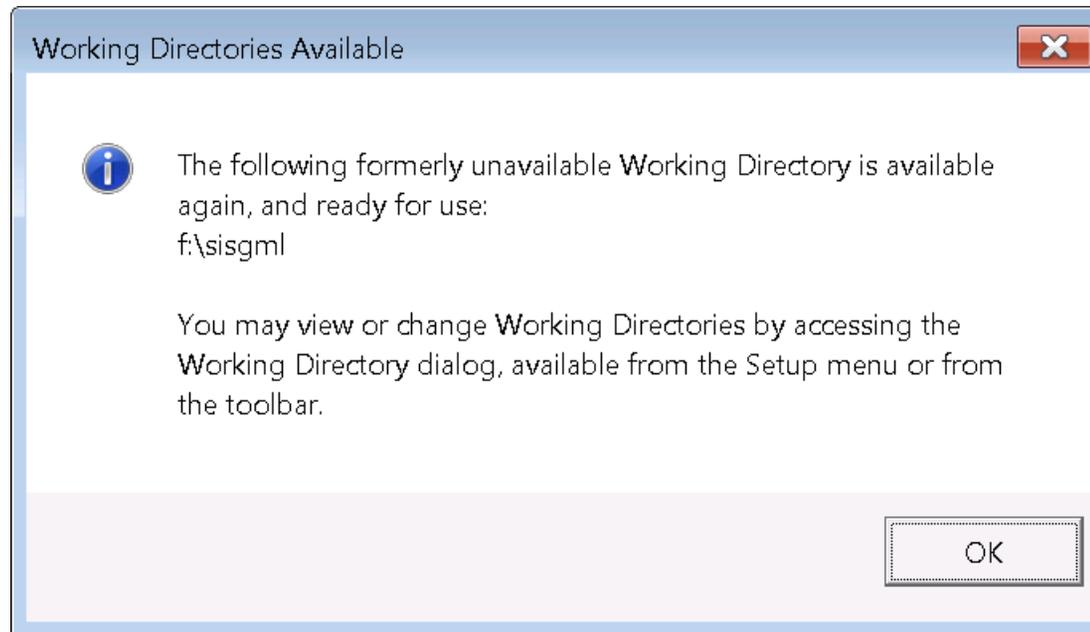
SpecsIntact 5 Explorer

- Numerous color selections for style and improved visibility



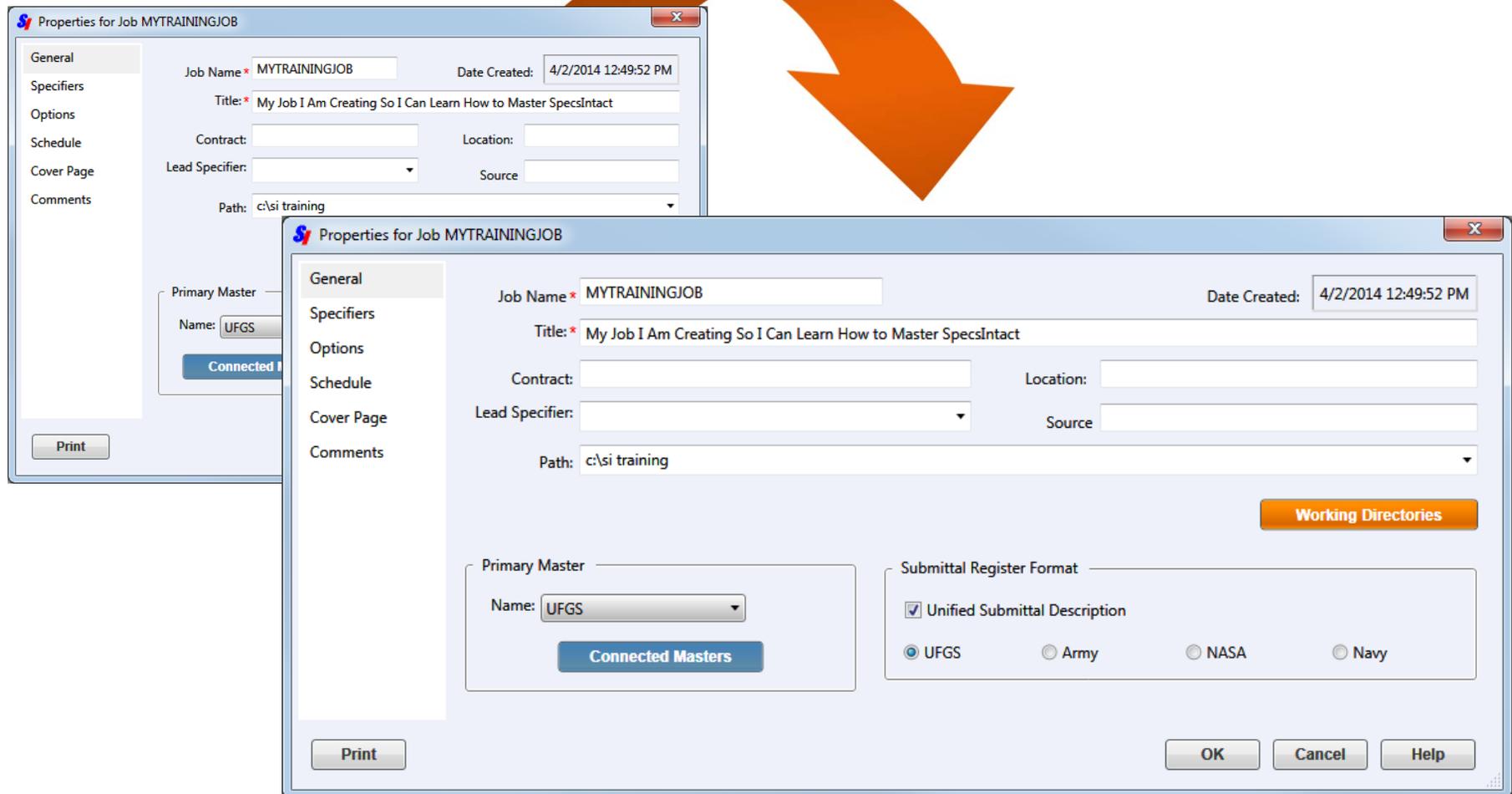
SpecsIntact 5 Explorer

- Automatically adjusts for missing Working Directories



SpecsIntact 5 Explorer

- Resizable windows



SpecsIntact 5 Explorer

- Optionally redline Tailoring Options
- Previous Tailored Options automatically selected

The image displays the SpecsIntact 5 Explorer interface. On the left, a dialog box titled "Tailor Sections in Job: MYTRAININGJOB" is open. It contains instructions on how to manage Tailoring Options and a list of options for Section 01 33 00. The "Use Revisions" option is checked and highlighted with a red box. Red arrows point to the "Use Revisions" checkbox and the "Mark All" button. The "Automatically apply check/uncheck to identical Tailoring Options in all Sections" option is also checked. The list of Tailoring Options includes:

- Use Revisions
- Automatically apply check/uncheck to identical Tailoring Options in all Sections [applies only to selections made after it is checked]
- 01 11 00 SUMMARY OF WORK
 - NASA (3)
- 01 33 00 SUBMITTAL PROCEDURES
 - ARMY (19)
 - DESIGN-BID-BUILD (7)
 - DESIGN-BUILD (16)
 - ELECTRONIC SUBMITTAL (1)
 - HARD COPY SUBMITTAL (6)
 - NASA (17)
 - NAVY (11)

Buttons for "Mark All", "Clear All", "Print", and "Export" are visible. At the bottom of the dialog are "OK", "Cancel", and "Help" buttons.

On the right, the "Editor" window shows the content of Section 01 33 00. The text is redlined, indicating that the previous Tailored Options were automatically selected. The redlined text includes:

```
SECTION 01 33 00
SUBMITTAL PROCEDURES
05/11

PART 1 GENERAL

1.1 SUMMARY (DELETED)
1.2 DEFINITIONS
1.3 SUBMITTAL CLASSIFICATION
1.4 FORWARDING SUBMITTALS REQUIREMENTS
1.5 QUANTITY OF SUBMITTALS
1.6 INFORMATION ONLY SUBMITTALS
1.7 SUBMITTAL REGISTER AND DATABASES
1.8 VARIATIONS
1.9 SCHEDULING
1.10 GOVERNMENT APPROVING AUTHORITY
1.11 DISAPPROVED[ OR REJECTED] SUBMITTALS
```

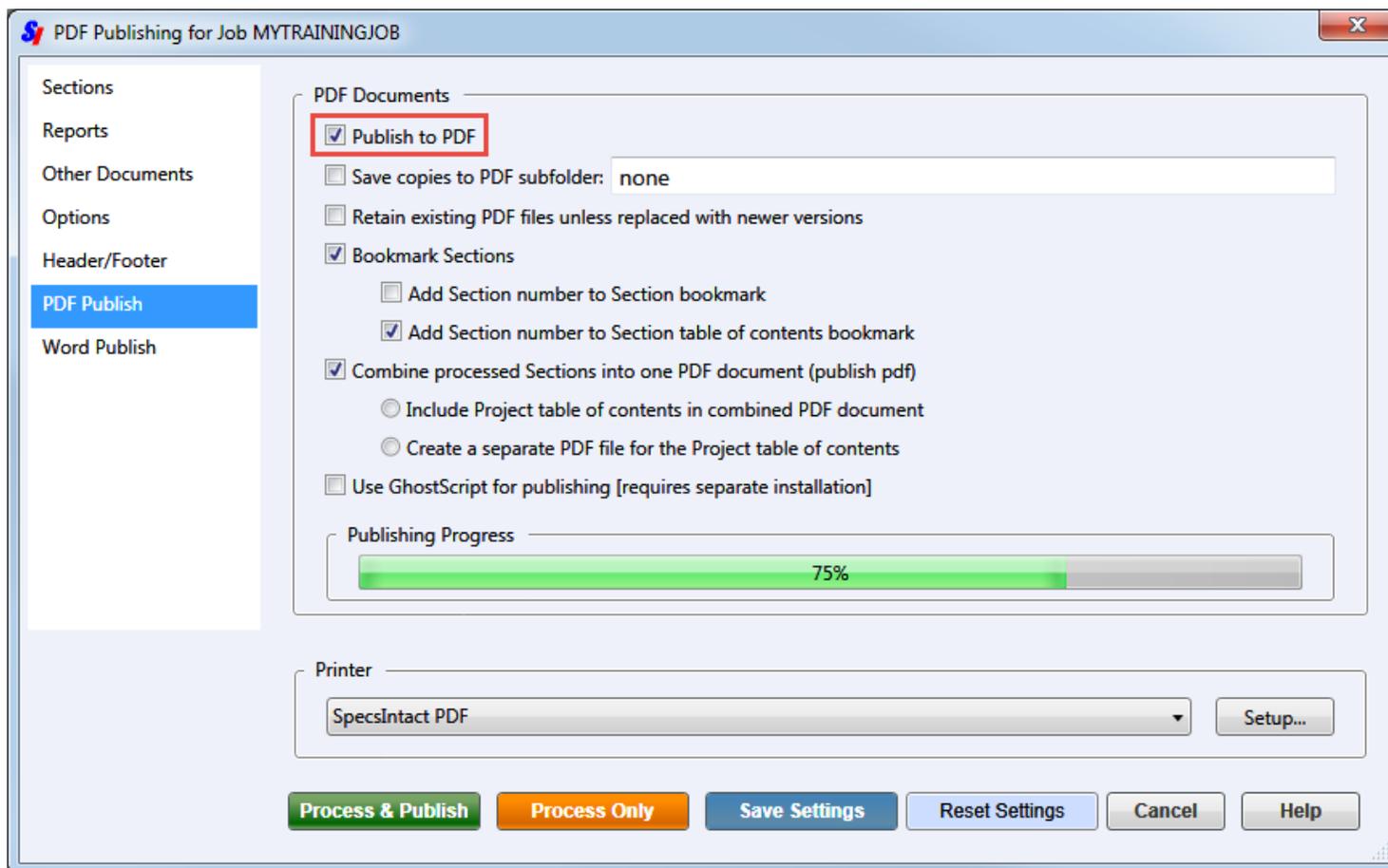
The redlined text in the editor window includes:

- ~~1.1 SUMMARY--~~
- ~~The Contracting Officer may request submittals in addition specified when deemed necessary to adequately describe the respective sections.--~~
- ~~Units of weights and measures used on all submittals are those used in the contract drawings.--~~
- ~~Each submittal is to be complete and in sufficient data determination of compliance with contract requirements.--~~

The status bar at the bottom of the editor window shows "Ready" and "SEC".

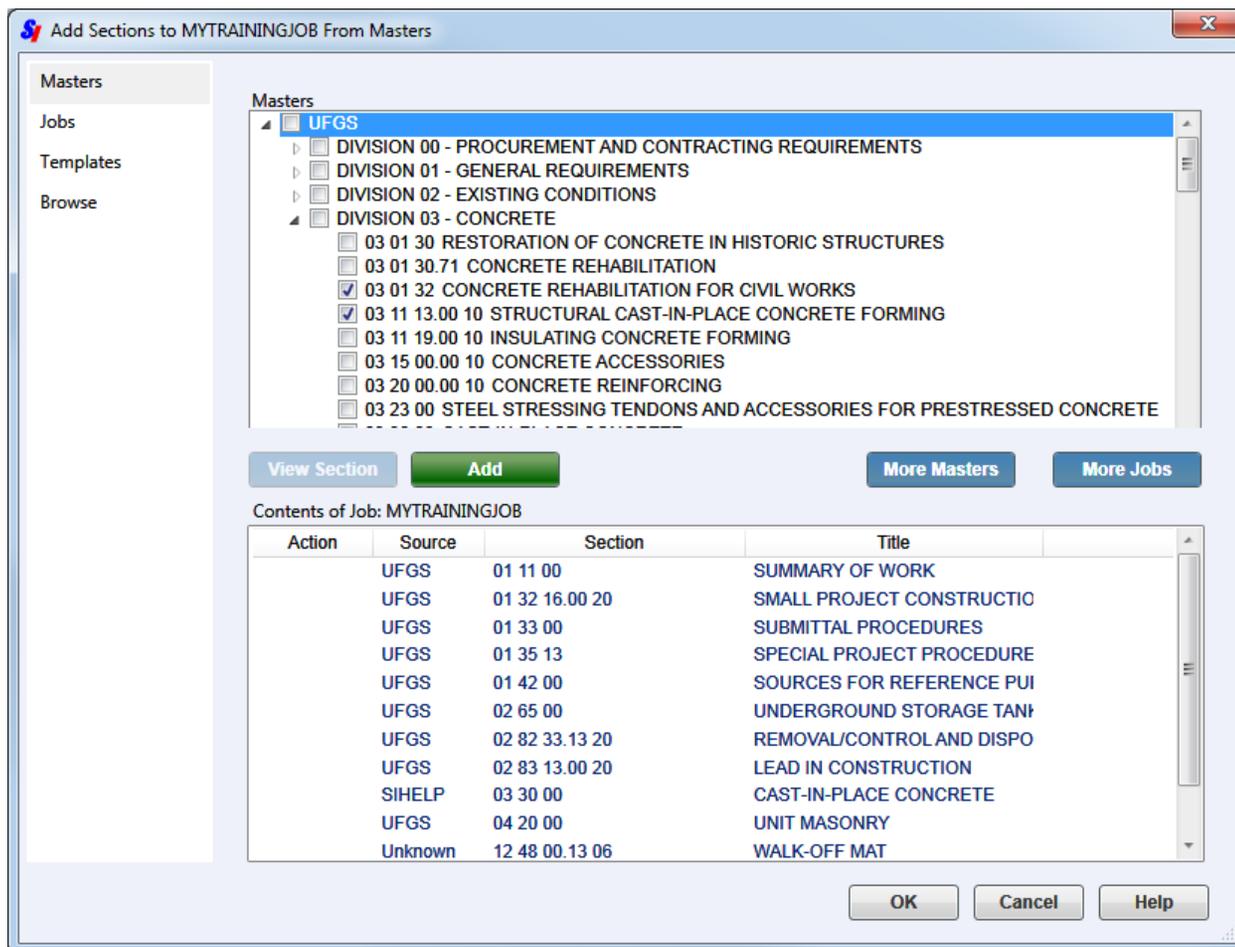
SpecsIntact 5 Explorer

- Single PDF Publish option enables all PDF functionality



SpecsIntact 5 Explorer

- Improved interface for windows – Adding Sections



SpecsIntact 5 Explorer

- Job Schedule/Status Tab improved and easier to use

Properties for Job MYTRAININGJOB

General
Specifiers
Options
Schedule
Cover Page
Comments

Review Status / Amendment Level: 60%

Next Due Date: 05/31/16

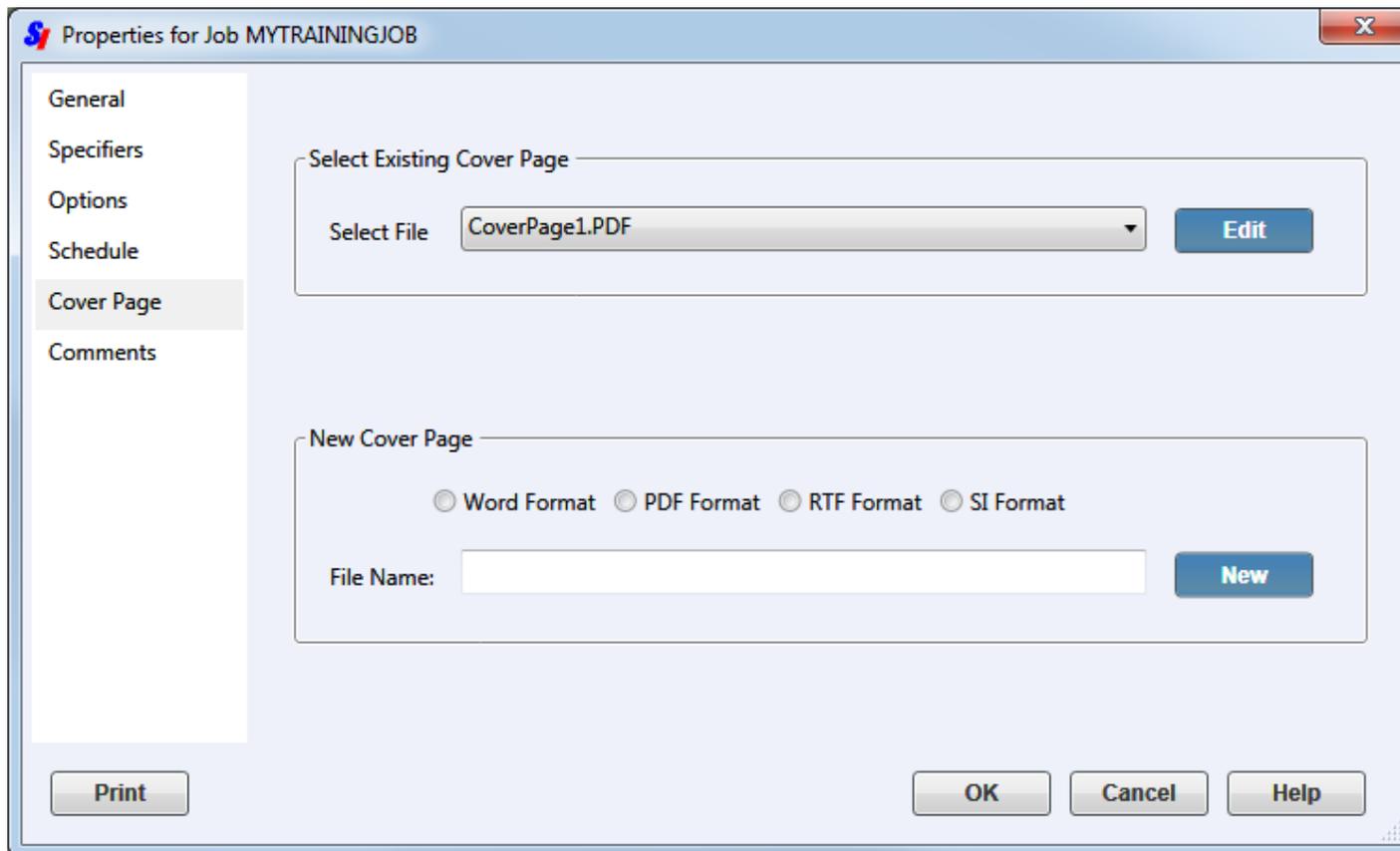
Job Cycle:

Operator	%	Received	Due	Delivered	Hours
Robert Smith	30	02/01/16	04/12/16	04/08/16	500
Shelia Watson	60	04/12/16	06/30/16		

Print OK Cancel Help

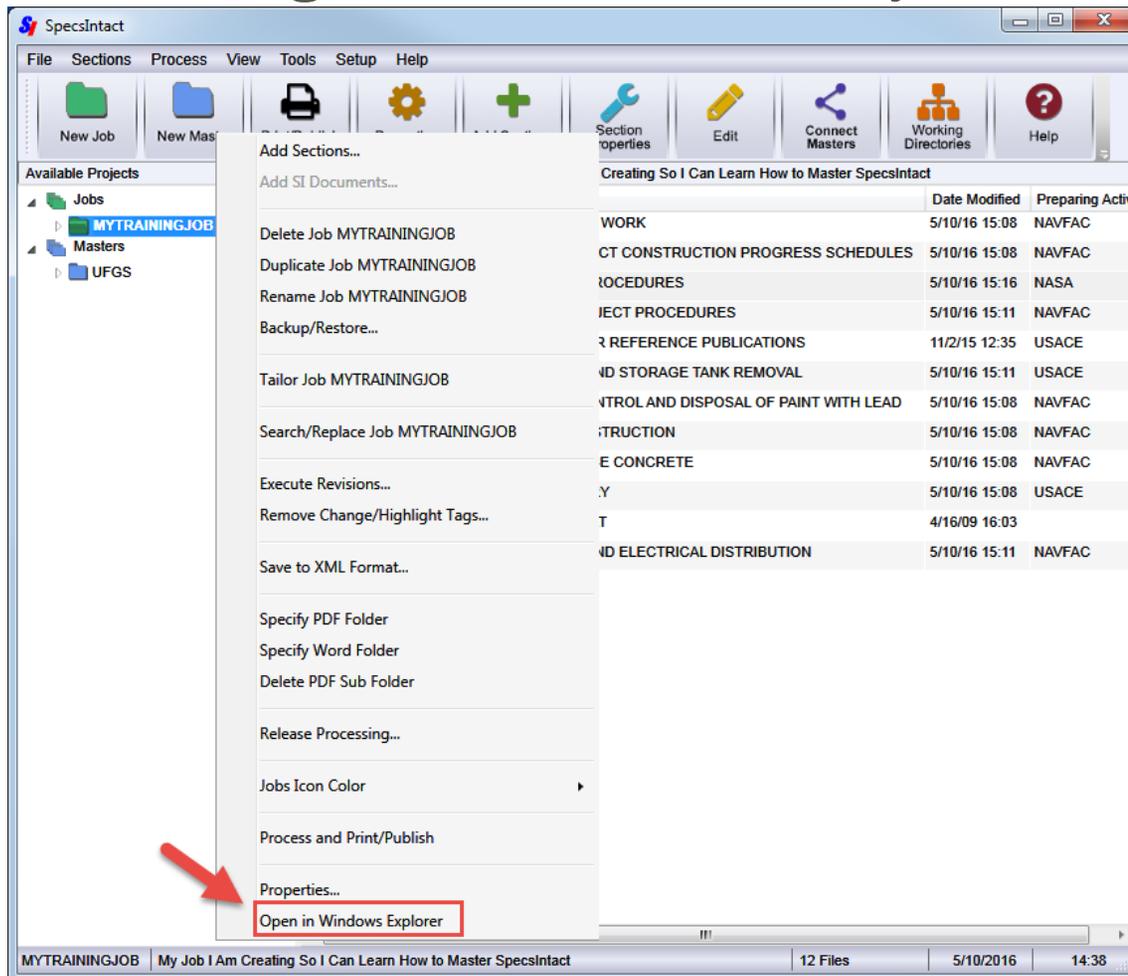
SpecsIntact 5 Explorer

- Enhanced Cover Page capabilities



SpecsIntact 5 Explorer

- Time-saving features for efficiency





Unified Facilities Guide Specifications (UFGS)

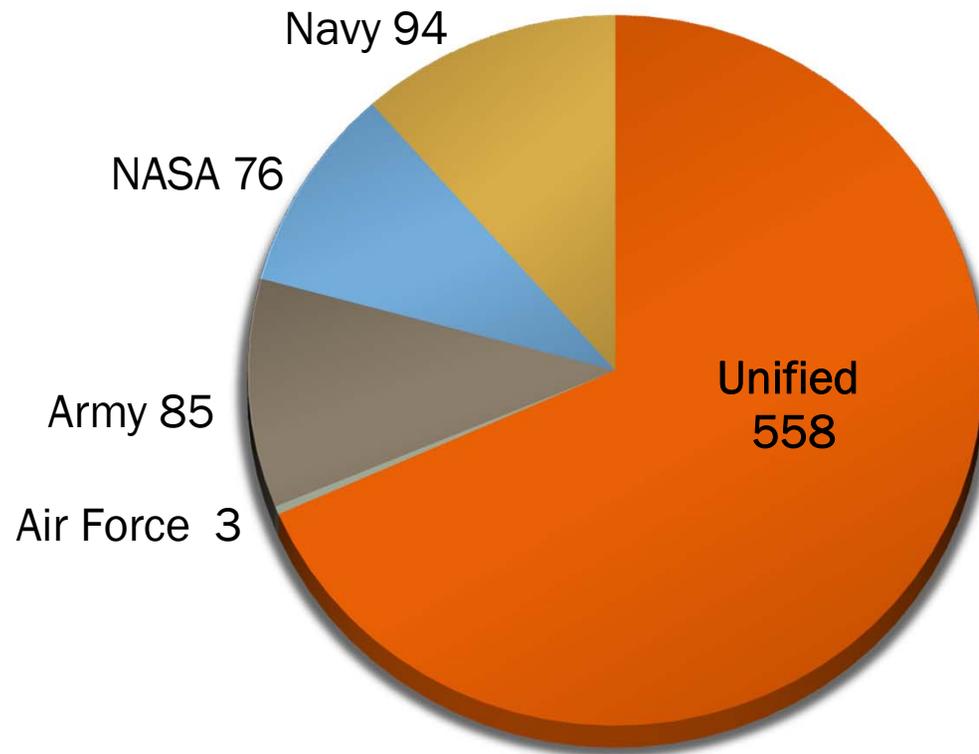
Progression of Major Steps Forward

2005	Coordination and adoption of MOU between DoD and NASA
2006	Joint Effort to Comply with CSI MasterFormat™ 2004 Renaming and Renumbering to new 49 Division Format Unify NASA and DoD Unified Master Reference List (UMRL)
2007 Thru 2009	Agreement Proposed and Accepted by DoD for the Unification of the UFGS Database Continued Merger Continued Disassembly
2010	Adopted MasterFormat™ 2010 Continued Unification Continued Disassembly
2010 Thru 2016	Continued Unification Continued Disassembly Adopted Current MasterFormat™

NASA Merger with UFGS

- Performed Gap Analysis In 2004 For NASA, NAVFAC and USACE
- Original NASA Database Consisted Of 221 Specifications
 - 36 Previously Merged
 - 90 Deleted (Redundant With UFGS)
- Current Database Consists Of 76 Specifications
 - NASA Unique
 - Submitted For Review And Merger
 - In Review With ESC or UFGS Discipline Working Group (DWG And Technical Proponents)

Unified Facilities Guide Specifications (UFGS)



Unified Facilities Guide Specifications (UFGS)

- UFGS Follows The Current Version Of CSI MasterFormat™
 - Supports Division 00 – 49
 - UFGS Unified For Use By All Participating Agencies Have A Level 3 Or Level 4 MasterFormat™ Number
 - UFGS That Are Agency-specific Have A Fifth Level Number Identifying It As An Agency Specific
 - A specification that has a fifth level number
 - “10” indicates USACE
 - “20” indicates NAVFAC
 - “30” indicates AFCESA
 - “40” indicates NASA

Unified Facilities Guide Specifications (UFGS)

- FY16 Proposed Sections for Review

Section	Title	Section	Title
01 33 00	Submittal Procedures	21 22 00.00 40	Clean Agent Fire Extinguishing Systems
03 41 33	Fabricated Roof Panel Assemblies	22 05 83.63	Cured-In-Place Pipe (CIPP) Lining
03 47 13	Tilt-up Concrete	22 07 19.00 40	Plumbing Piping Insulation
06 18 00	Glue-Laminated Construction	22 15 09.00 40	General Service Compressed-Air Systems Cleaning Procedures
07 41 63	Fabricated Roof Panel Assemblies	23 09 33.00 40	Electric and Electronic Control System For HVAC
08 41 13	Aluminum Framed Entrances and Storefronts	23 22 13.35 40	Steam Traps
09 67 23.13	Standard Resinous Flooring	23 31 13.00 40	Metal Ducts
12 32 00	Manufactured Wood Casework	23 34 23.00 40	HVAC Power Ventilators
21 13 26.00 40	Deluge Fire-Suppression Sprinkler Systems	23 36 00.00 40	Air Terminal Units
21 21 00.00 40	Carbon-Dioxide Fire-Extinguishing Systems	23 41 13.00 40	Panel Filters

Unified Facilities Guide Specifications (UFGS)

- FY16 Proposed Sections for Review (Cont'd)

Section	Title	Section	Title
23 73 13.00 40	Modular Indoor Central-Station Air-Handling Units	26 56 19.00 40	Roadway Lighting
23 82 16.00 40	Air Coils	26 56 36.00 40	Flood Lighting
26 05 00.00 40	Common Work Results for Electrical	27 21 00.00 40	Intercommunication System
26 05 13.00 40	Medium-Voltage Cables	27 21 10.00 40	Fiber Optic Data Transmission System
26 05 71.00 40	Low-Voltage Overcurrent Protective Devices	28 05 26.00 40	Grounding and Bonding for Electronic Safety and Security
26 09 23.00 40	Lighting Control Devices	28 31 13.00 40	Fire Detection and Alarm Control, GUI, and Logic Systems
26 18 23.00 40	Medium-Voltage Surge Arrestors	28 33 00.00 40	Fuel-Gas detection and Alarm
26 24 16.00 40	Panelboards	32 31 13	Chain Link Fences and Gates
26 35 33.00 40	Power Factor Correction Equipment	33 77 19.00 40	Medium-Voltage Gas Switch
26 53 00.00 40	Exit Signs	40 17 30.00 40	Welding General Piping

Unified Facilities Guide Specifications (UFGS)

- Unified Master Reference List (UMRL)
 - Document lists publications referenced in the Unified Facilities Guide Specifications
 - Contracted with Information Handling Services (IHS) Global and coordinated with DoD
 - The UMRL is updated on a continual basis
 - The 01 42 00 SOURCES FOR REFERENCE PUBLICATIONS includes all organizations listed in the UMRL

UFGS Sustainability

- Section 01 33 29 SUSTAINABILITY REPORTING
 - Covers the requirements sustainability documentation for Guiding Principles Validation (GPV) or Third Party Certification (TPC)
 - For inclusion in the Sustainability Notebook, use the submittal classification code “S” next to the submittal item under SD-11 closeout submittals
 - Projects are not registered with USGBC for validation of credits earned
 - Validation of credits earned will be accomplished by the government
 - Leadership in energy and environmental design (LEED™) documents represents the U.S. Green building council’s efforts to develop standard
 - Improves environmental and economic performance of commercial buildings and equipment
 - Uses established and/or advanced industry principles, practices, materials and standards

UFGS Sustainability

- Covers the requirements for use of products containing recycled or recovered materials
- Implementation of resource conservation and recovery act RCRA
- Promotes the use of products containing recycled materials
- Cost effective manner, items containing the highest percentage of recycled and recovered materials
- US Green Building Council (USGBC) Collaborating Organizations Referenced Within The UFGS
 - Carpet And Rug Institute (CRI)
 - Master Painters Institute (MPI)
 - National Association Of Corrosion Engineers (NACE)
 - The Society For Protective Coating (SSPC)

US Federal Green Construction Guide for Specifiers

- US FGCGS – Executive Order 13693: “Planning For Federal Sustainability In The Next Decade” – March 19, 2015

Guiding Principles

1

Promote Building Energy Conservation, Efficiency

2

Improve Water Use Efficiency

3

Promote Sustainable Acquisition and Procurement

4

Advance Waste Prevention and Pollution Prevention



US Federal Green Construction Guide for Specifiers

- Applicability and Schedule

- (1) Appropriate organizational level(s) for the Environmental Management System(EMS)
- (2) Tenant, Contractor, and concessionaire activities
 - Where tenant, contractor and concessionaire activities affect an agency's environmental, transportation, or energy issues, those activities shall be addressed in the development, implementation, and maintenance of the EMS. Requirements shall be included in all appropriate contracts to ensure that contractors' roles and responsibilities under the EMS are properly addressed. Where an agency owns or manages public lands on which non-governmental entities are present and whose activities are permitted, licensed, or otherwise authorized or regulated, that agency shall, at a minimum, consider the environmental impacts of such activities in its EMS (note: EPA Affirmative Procurement Form Attached)



US Federal Green Construction Guide for Specifiers

○ (3) Schedules

- Facilities previously identified under E.O. 13148 as “appropriate facilities” and already underway with implementation as of the date of the E.O., shall ensure their EMS is fully implemented by December, 2008, and maintained as specified in this chapter of the instructions. Agencies may revise schedules relative to this deadline after consultation with Office of the Chief Sustainability Officer, specifically in regard to the definition of “fully implemented” requiring an external audit.
- Agencies developing additional EMSs are a result of E.O. 13693 and these instructions shall establish an EMS implementation schedule, in consultation with Office of the Chief Sustainability Officer.

UFGS Sustainability

- Section 09 68 00 Carpeting (11/13)
 - Green Council
 - U.S. Green Building Council (USGBC) LEED BD+C
 - Carpet and Rug Institute's (CRI) Green label Indoor Air Quality program
 - Volatile organic compounds (VOCs) are organic chemical compounds that have high enough vapor pressures under normal conditions to significantly vaporize and enter the atmosphere
- Reliability Centered Building And Equipment Acceptance (RCBEA)
 - Testing Protocols
 - Quality Control
 - Life Cycle Monitoring (How Long A Piece Of Equipment Lasts And Cost And Maintenance Frequency)

UFGS Sustainability

- Four NASA Sustainability Master Sections

Section	Date	Title
01 83 00.07 40	02/12	RELIABILITY CENTERED ACCEPTANCE FOR FACILITY SHELLS
01 83 13.07 40	02/12	RELIABILITY CENTERED ACCEPTANCE FOR SUPERSTRUCTURE PERFORMANCE REQUIREMENTS
01 86 12.07 40	02/12	RELIABILITY CENTERED ACCEPTANCE FOR MECHANICAL SYSTEMS
01 86 26.07 40	02/12	RELIABILITY CENTERED ACCEPTANCE FOR ELECTRICAL SYSTEMS

Thank You

