



IHS Markit™

IHS Engineering Workbench 1.3

Important enhancements and updates in the latest release of the IHS Markit solution for technical knowledge discovery and management

Introducing expanded capabilities for finding, using and managing industry standards, codes and specifications in IHS Engineering Workbench, along with other enhancements requested by our users

November 2016

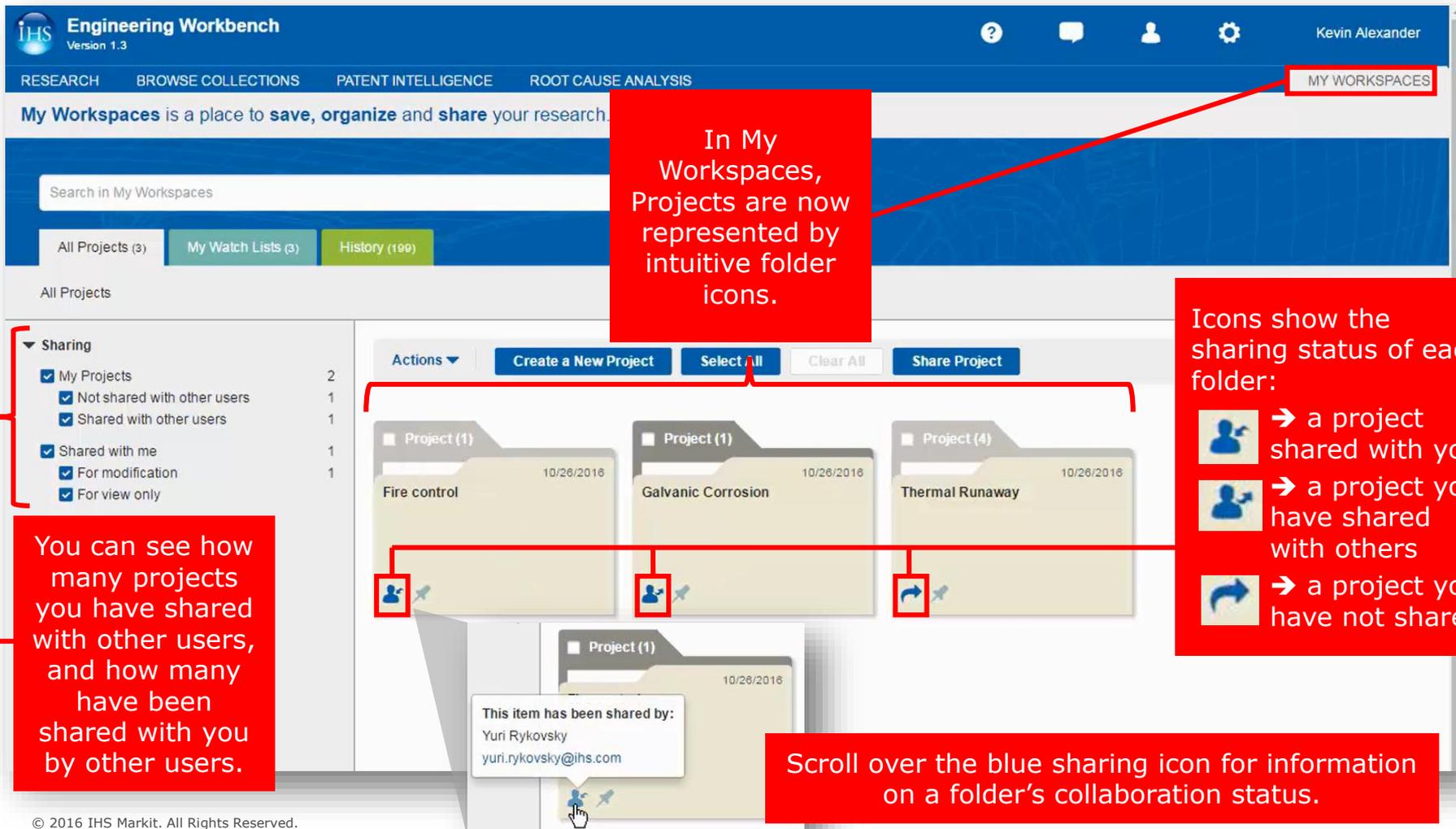
Introduction to IHS Engineering Workbench 1.3

- IHS Engineering Workbench Version 1.3 introduces additional and enhanced standards management capabilities, along with multiple usability and personalization improvements based on direct user feedback and requests.
- In addition, Version 1.3 brings multiple functional enhancements, usability improvements and fixes to the current Engineering Workbench platform. **No user actions are required to start immediately enjoying Version 1.3.**
- Building on the prior 1.2 release, Version 1.3 includes further essential capabilities for finding, using and managing standards, codes and specifications in support of the eventual migration from IHS Standards Expert to Engineering Workbench.
- **Please note that, as with Version 1.2, Version 1.3 does not include all functionality equivalent to Standards Expert.** Over the coming months, additional functionality will be added to Engineering Workbench to enhance your organization's ability to work with standards. An additional release is scheduled for January 2017, followed by the release of Engineering Workbench 2.0, scheduled for Q2 2017.* These groundbreaking capabilities will make Engineering Workbench a full-fledged standards management solution.
- Through this "early visibility" to the standards-related capabilities in Version 1.3, current Engineering Workbench customers already can start using it as their standards management solution, while also taking advantage of the ability to use standards alongside eBooks, journals, or other content they access via Engineering Workbench.

** Timing and scope of future releases subject to change without notice.*

Enhanced Project Management

Project “cards,” or folders, provide more efficient navigation



Engineering Workbench
Version 1.3

RESEARCH BROWSE COLLECTIONS PATENT INTELLIGENCE ROOT CAUSE ANALYSIS

MY WORKSPACES

My Workspaces is a place to **save, organize** and **share** your research.

Search in My Workspaces

All Projects (3) My Watch Lists (3) History (199)

All Projects

Sharing

- My Projects 2
 - Not shared with other users 1
 - Shared with other users 1
- Shared with me 1
 - For modification 1
 - For view only 1

Actions Create a New Project Select All Clear All Share Project

Project (1) 10/26/2016
Fire control

Project (1) 10/26/2016
Galvanic Corrosion

Project (4) 10/26/2016
Thermal Runaway

Project (1) 10/26/2016

This item has been shared by:
Yuri Rykovsky
yuri.rykovsky@ihs.com

In My Workspaces, Projects are now represented by intuitive folder icons.

Icons show the sharing status of each folder:

-  → a project shared with you
-  → a project you have shared with others
-  → a project you have not shared

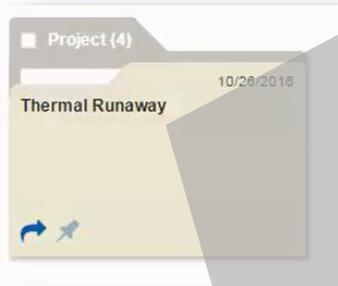
You can see how many projects you have shared with other users, and how many have been shared with you by other users.

Scroll over the blue sharing icon for information on a folder’s collaboration status.

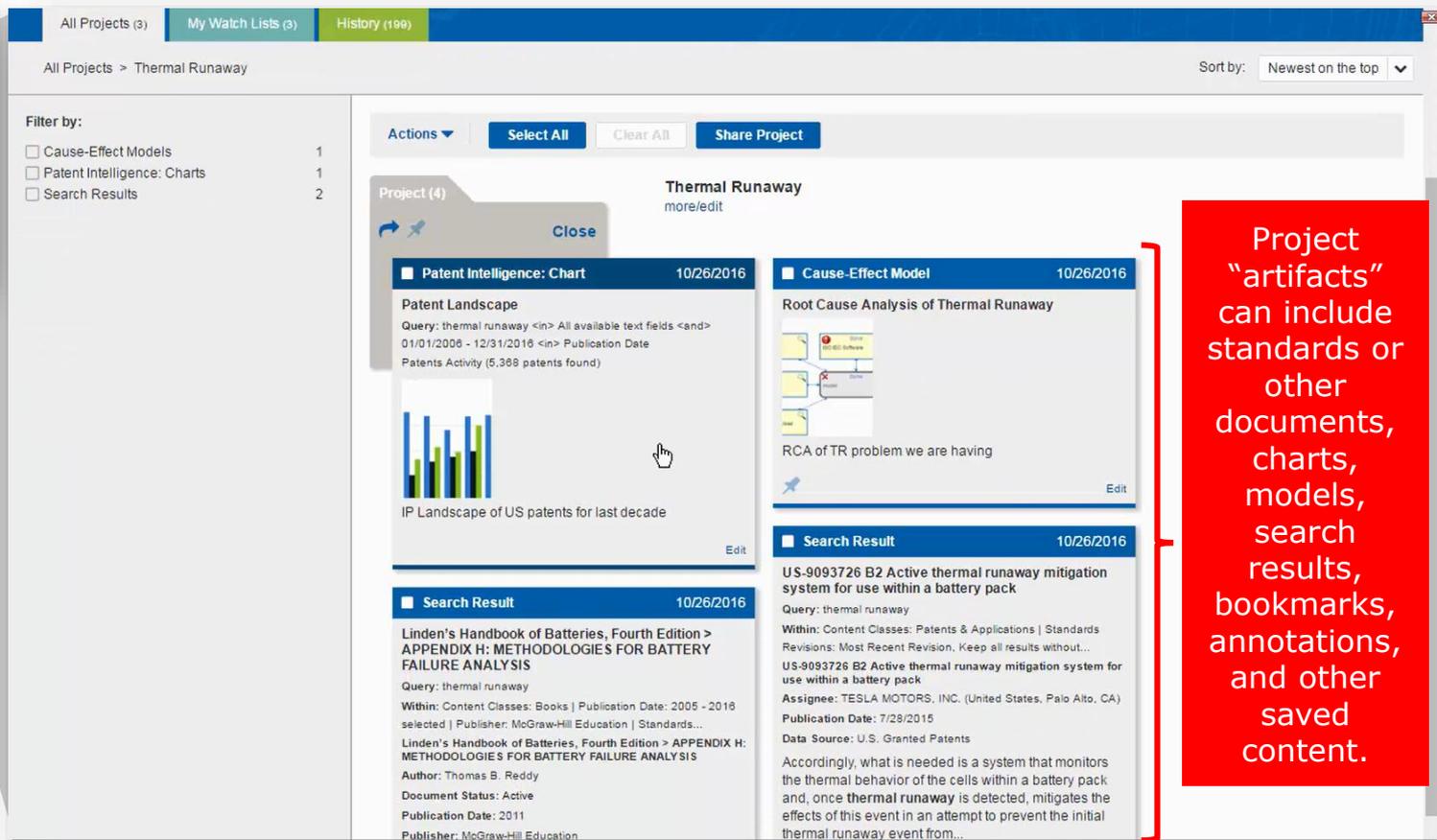
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Enhanced Project Management

Project folders are an easy way to aggregate and share knowledge with colleagues



Clicking on a project "card," or folder icon opens up the project and displays all the "artifacts," or content, saved to that project.



The screenshot shows a web interface for project management. At the top, there are navigation tabs: 'All Projects (3)', 'My Watch Lists (3)', and 'History (198)'. Below this, the breadcrumb path is 'All Projects > Thermal Runway'. On the right, there is a 'Sort by:' dropdown menu set to 'Newest on the top'. On the left, a 'Filter by:' section includes checkboxes for 'Cause-Effect Models' (1), 'Patent Intelligence: Charts' (1), and 'Search Results' (2). The main content area is titled 'Project (4) Thermal Runway' and contains several 'artifacts':

- Patent Intelligence: Chart** (10/26/2016): A bar chart titled 'IP Landscape of US patents for last decade' with a query: 'thermal runaway <in> All available text fields <and> 01/01/2006 - 12/31/2016 <in> Publication Date'. It notes 'Patents Activity (5,388 patents found)'.
- Cause-Effect Model** (10/26/2016): A flowchart titled 'Root Cause Analysis of Thermal Runway' with the text 'RCA of TR problem we are having'.
- Search Result** (10/26/2016): A document titled 'Linden's Handbook of Batteries, Fourth Edition > APPENDIX H: METHODOLOGIES FOR BATTERY FAILURE ANALYSIS' with a query: 'thermal runaway'. It includes details like 'Within: Content Classes: Books | Publication Date: 2005 - 2016 selected | Publisher: McGraw-Hill Education | Standards...', 'Author: Thomas B. Reddy', 'Document Status: Active', 'Publication Date: 2011', and 'Publisher: McGraw-Hill Education'.
- Search Result** (10/26/2016): A document titled 'US-9093726 B2 Active thermal runaway mitigation system for use within a battery pack' with a query: 'thermal runaway'. It includes details like 'Within: Content Classes: Patents & Applications | Standards Revisions: Most Recent Revision, Keep all results without...', 'US-9093726 B2 Active thermal runaway mitigation system for use within a battery pack', 'Assignee: TESLA MOTORS, INC. (United States, Palo Alto, CA)', 'Publication Date: 7/29/2015', and 'Data Source: U.S. Granted Patents'. The text below reads: 'Accordingly, what is needed is a system that monitors the thermal behavior of the cells within a battery pack and, once thermal runaway is detected, mitigates the effects of this event in an attempt to prevent the initial thermal runaway event from...'.

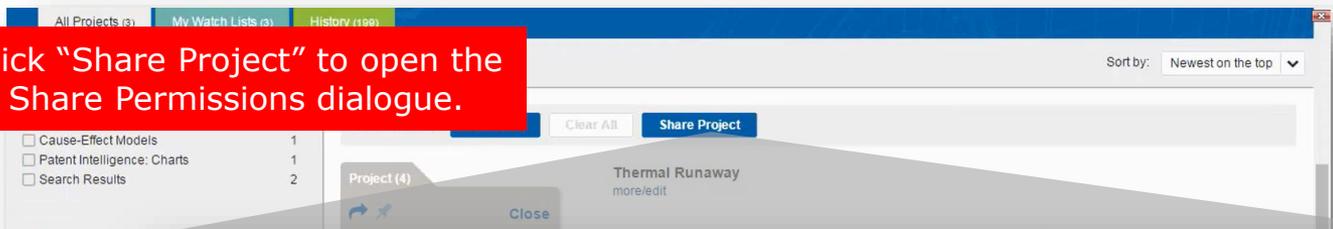
Project "artifacts" can include standards or other documents, charts, models, search results, bookmarks, annotations, and other saved content.

Enhanced Project Management

Sharing project content is a simple 1-2-3 step process.

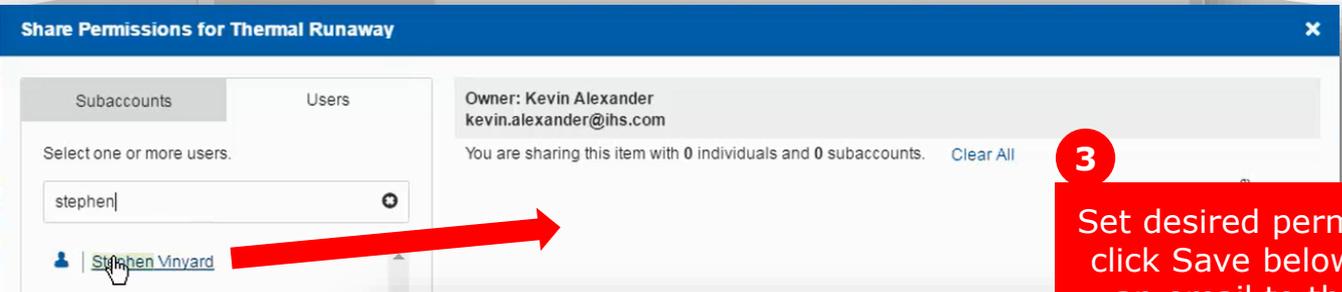
1

Click "Share Project" to open the Share Permissions dialogue.



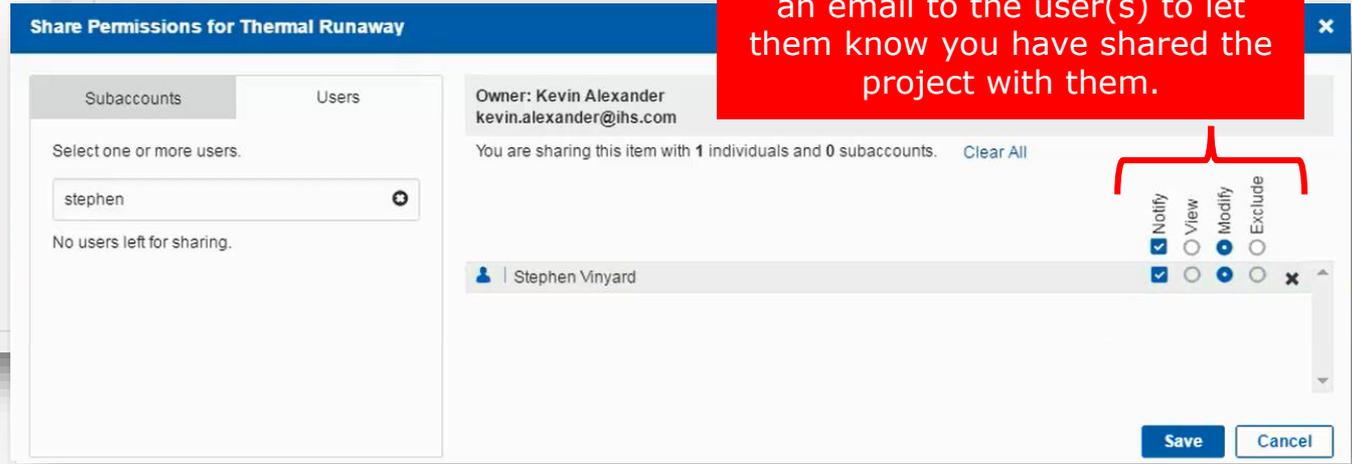
2

Search for a subaccount group or individual user, then click the identified user(s) to add them to the permissions window at right to set permissions.



3

Set desired permission levels and click Save below. "Notify" sends an email to the user(s) to let them know you have shared the project with them.

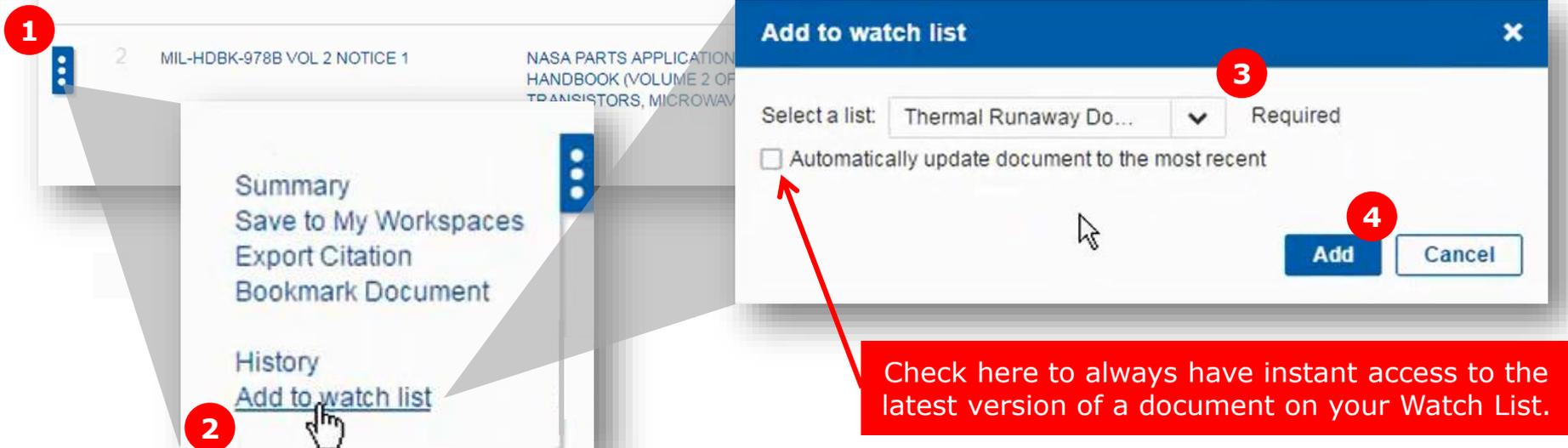


Standards Watch Lists

Watch Lists enable you to quickly access frequently used documents

To add a document to a Watch List:

1. In the search results list, click the "stoplight" icon beside the document you want to add to a Watch List.
2. Click "Add to watch list".
3. Select the Watch List from the dropdown menu, or create a new Watch List by selecting "+ Add new watch list".
4. Click Add to add the document to the selected Watch List.



1 Click the stoplight icon next to the document.

2 Click [Add to watch list](#).

3 Select a list from the dropdown menu.

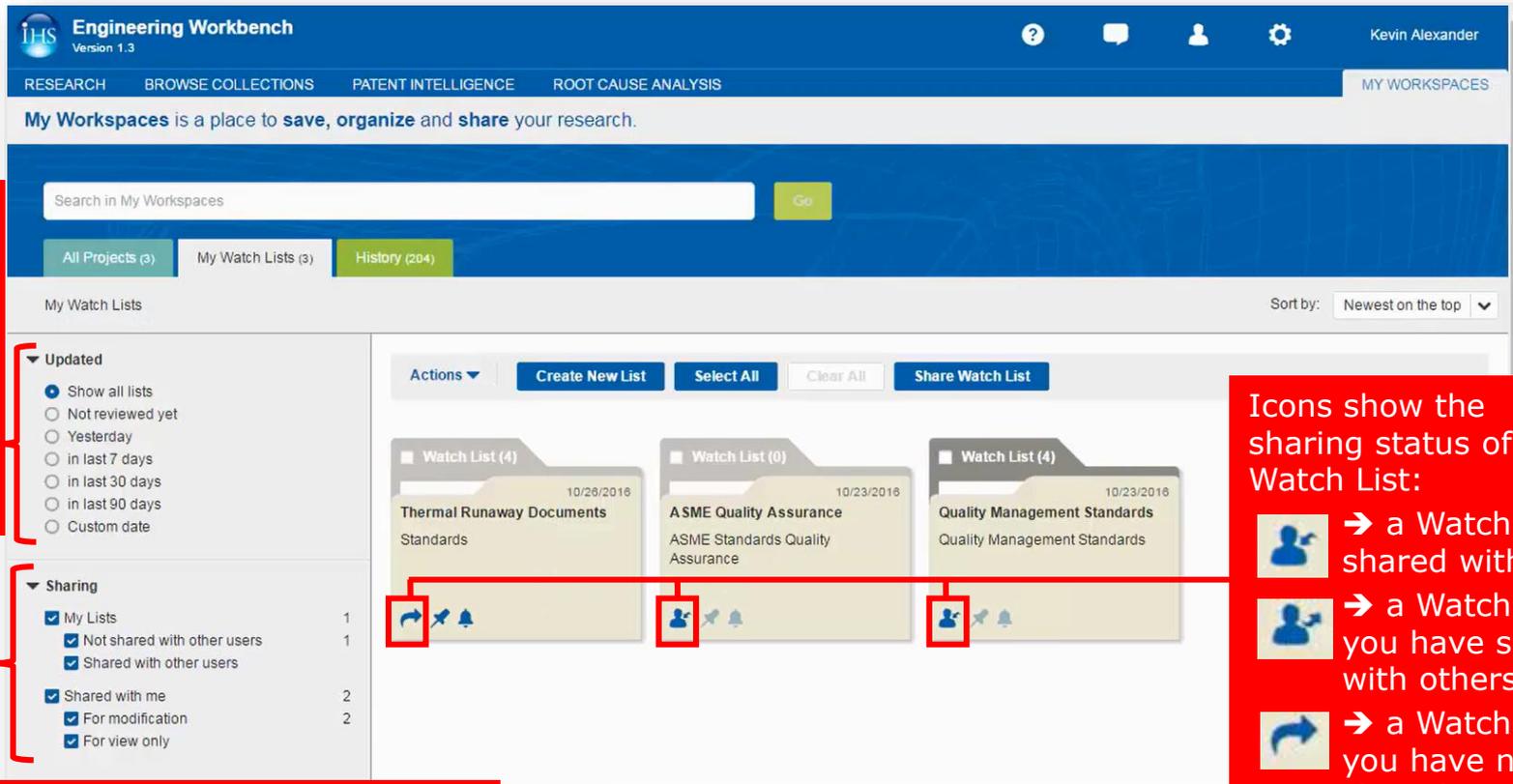
4 Click **Add**.

Automatically update document to the most recent

Check here to always have instant access to the latest version of a document on your Watch List.

Watch Lists

Your Watch Lists are available, and can be managed, in My Workspaces



Choose which Watch Lists you want to view based on an update timeframe

- ▼ Updated
- Show all lists
- Not reviewed yet
- Yesterday
- in last 7 days
- in last 30 days
- in last 90 days
- Custom date

- ▼ Sharing
- My Lists 1
- Not shared with other users 1
- Shared with other users
- Shared with me 2
- For modification 2
- For view only

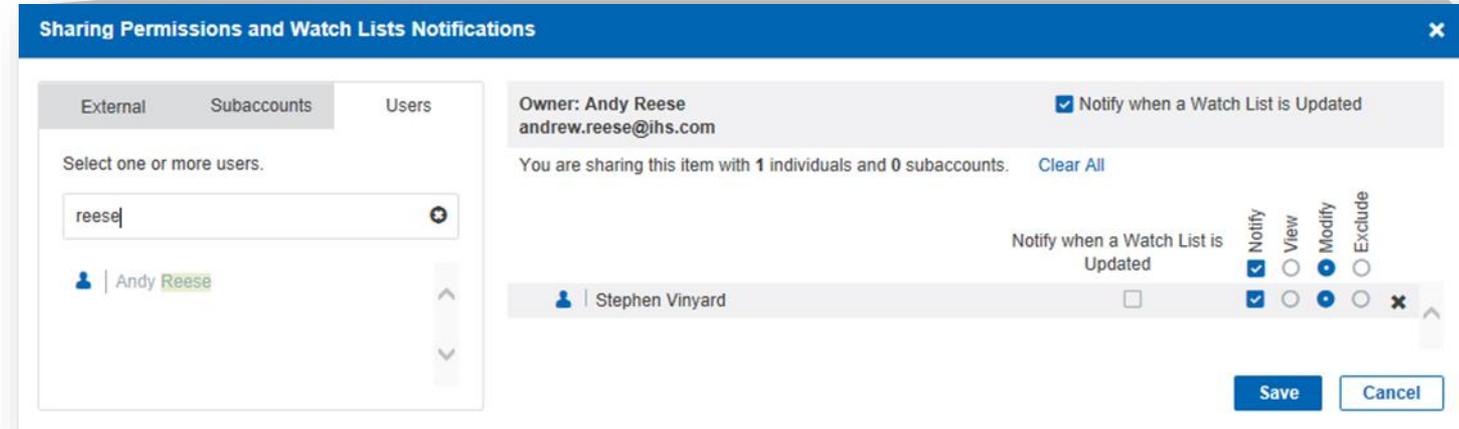
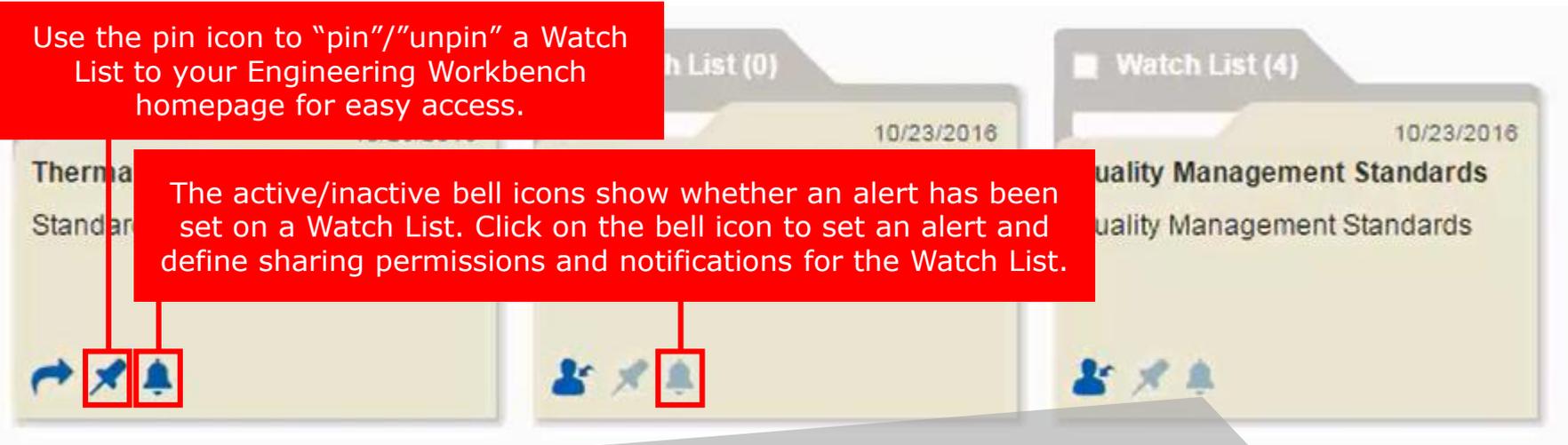
Icons show the sharing status of each Watch List:

-  → a Watch List shared with you
-  → a Watch List you have shared with others
-  → a Watch List you have not shared

You can see how many Watch Lists you have shared with other users, and how many have been shared with you by other users.

Watch Lists

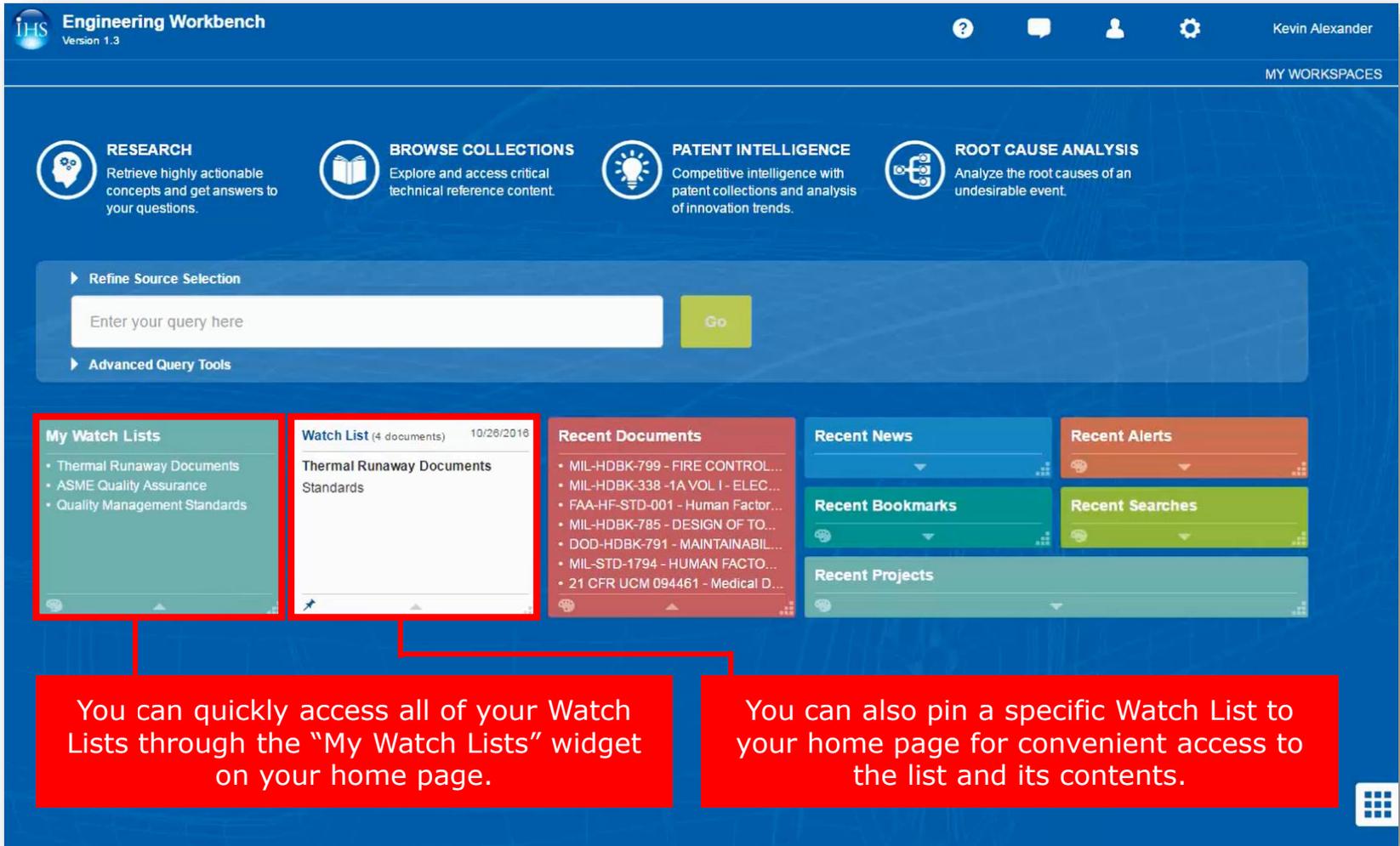
Use Watch Lists tools to pin lists to your home page, set alerts, and share lists



Set desired permission levels and click Save below. "Notify" sends an email to the user(s) to let them know you have shared the List with them.

Watch Lists

Watch Lists are conveniently accessible directly from the home page



Engineering Workbench
Version 1.3

Kevin Alexander

MY WORKSPACES

RESEARCH
Retrieve highly actionable concepts and get answers to your questions.

BROWSE COLLECTIONS
Explore and access critical technical reference content.

PATENT INTELLIGENCE
Competitive intelligence with patent collections and analysis of innovation trends.

ROOT CAUSE ANALYSIS
Analyze the root causes of an undesirable event.

Refine Source Selection

Enter your query here Go

Advanced Query Tools

My Watch Lists

- Thermal Runaway Documents
- ASME Quality Assurance
- Quality Management Standards

Watch List (4 documents) 10/20/2016

Thermal Runaway Documents Standards

Recent Documents

- MIL-HDBK-799 - FIRE CONTROL...
- MIL-HDBK-338 -1A VOL I - ELEC...
- FAA-HF-STD-001 - Human Factor...
- MIL-HDBK-785 - DESIGN OF TO...
- DOD-HDBK-791 - MAINTAINABIL...
- MIL-STD-1794 - HUMAN FACTO...
- 21 CFR UCM 094461 - Medical D...

Recent News

Recent Alerts

Recent Bookmarks

Recent Searches

Recent Projects

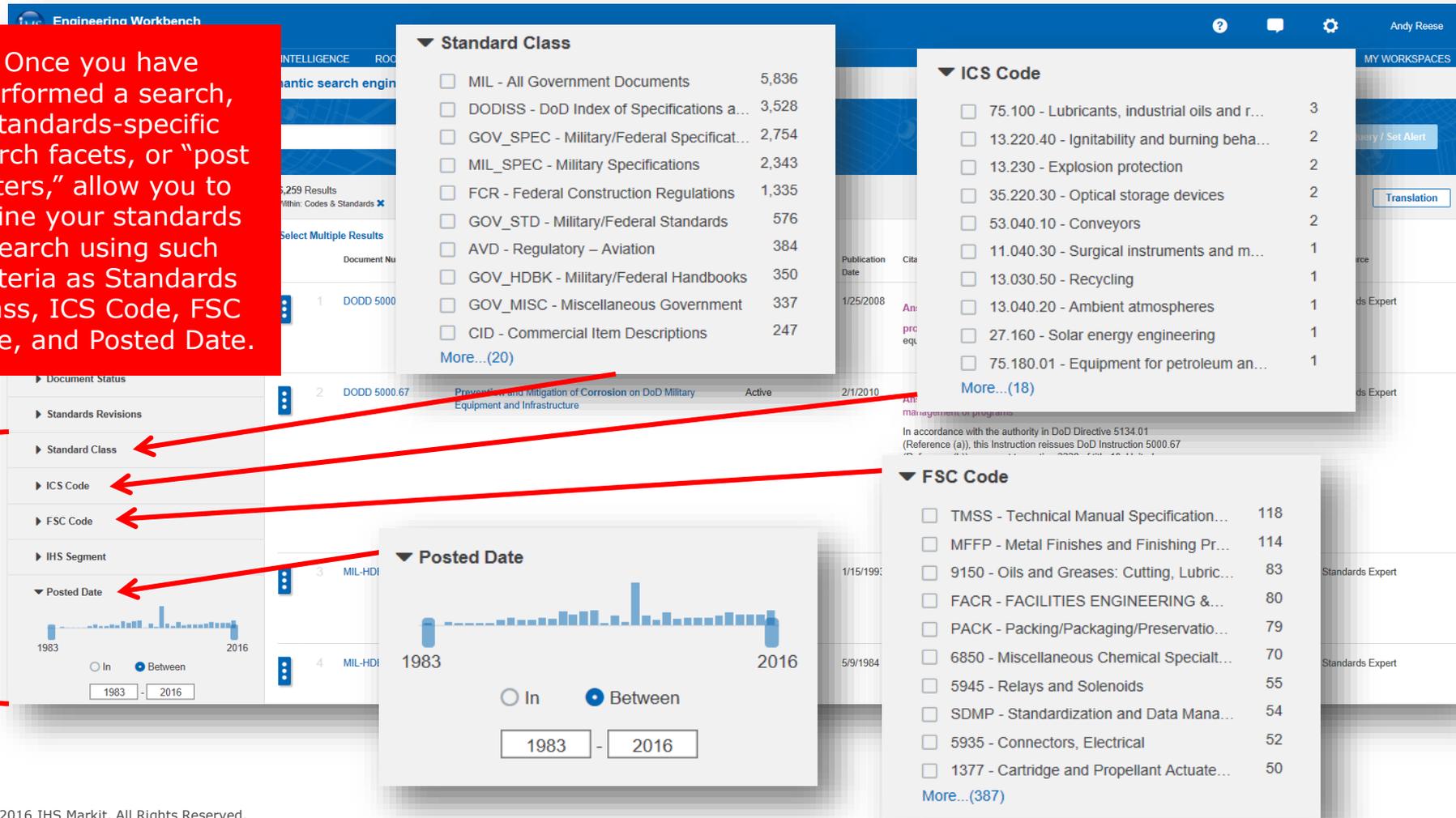
You can quickly access all of your Watch Lists through the "My Watch Lists" widget on your home page.

You can also pin a specific Watch List to your home page for convenient access to the list and its contents.

Standards Search Filters

Additional search facets allow you to quickly narrow your search criteria

Once you have performed a search, standards-specific search facets, or "post filters," allow you to refine your standards search using such criteria as Standards Class, ICS Code, FSC Code, and Posted Date.



The screenshot displays the Engineering Workbench search interface. A search has been performed, resulting in 5,259 results. The interface includes several facets for refining the search:

- Standard Class:** A list of categories with counts, such as MIL - All Government Documents (5,836), DODISS - DoD Index of Specifications a... (3,528), GOV_SPEC - Military/Federal Specificat... (2,754), MIL_SPEC - Military Specifications (2,343), FCR - Federal Construction Regulations (1,335), GOV_STD - Military/Federal Standards (576), AVD - Regulatory - Aviation (384), GOV_HDBK - Military/Federal Handbooks (350), GOV_MISC - Miscellaneous Government (337), and CID - Commercial Item Descriptions (247).
- ICS Code:** A list of codes with counts, such as 75.100 - Lubricants, industrial oils and r... (3), 13.220.40 - Ignitability and burning beha... (2), 13.230 - Explosion protection (2), 35.220.30 - Optical storage devices (2), 53.040.10 - Conveyors (2), 11.040.30 - Surgical instruments and m... (1), 13.030.50 - Recycling (1), 13.040.20 - Ambient atmospheres (1), 27.160 - Solar energy engineering (1), and 75.180.01 - Equipment for petroleum an... (1).
- FSC Code:** A list of codes with counts, such as TMSS - Technical Manual Specification... (118), MFFP - Metal Finishes and Finishing Pr... (114), 9150 - Oils and Greases: Cutting, Lubric... (83), FACR - FACILITIES ENGINEERING &... (80), PACK - Packing/Packaging/Preservatio... (79), 6850 - Miscellaneous Chemical Special... (70), 5945 - Relays and Solenoids (55), SDMP - Standardization and Data Mana... (54), 5935 - Connectors, Electrical (52), and 1377 - Cartridge and Propellant Actuate... (50).
- Posted Date:** A bar chart showing the distribution of standards from 1983 to 2016. The chart includes a legend for 'In' and 'Between' and input fields for the date range (1983 - 2016).

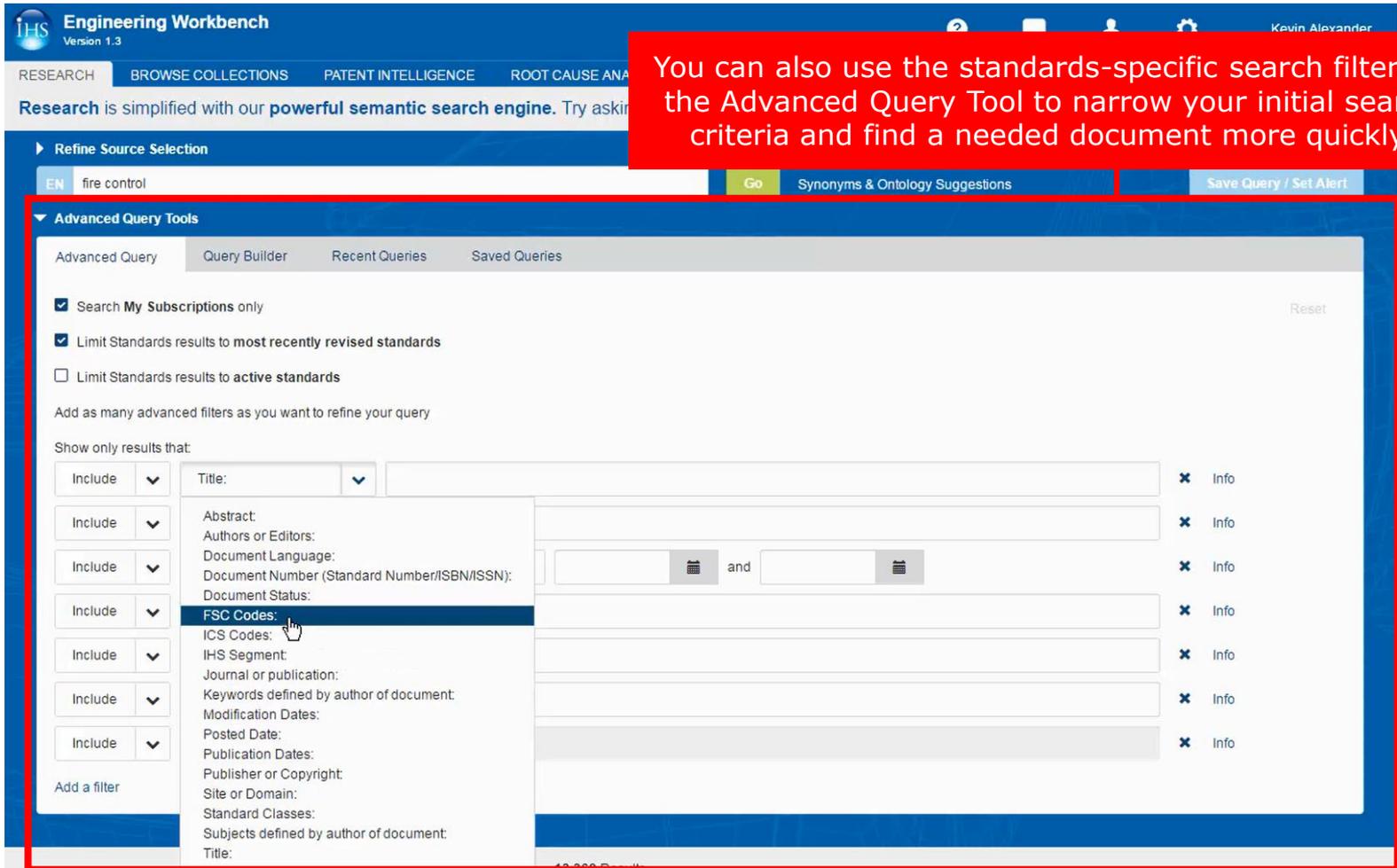
The search results table shows the following entries:

Document Number	Document Title	Status	Posted Date
1	DODD 5000		
2	DODD 5000.67	Prevention and Mitigation of Corrosion on DoD Military Equipment and Infrastructure	Active 2/1/2010
3	MIL-HDI		1/15/1992
4	MIL-HDI		5/9/1984

Standards Search Filters

The standards search filters are also available in the Advanced Query Tool

You can also use the standards-specific search filters in the Advanced Query Tool to narrow your initial search criteria and find a needed document more quickly.

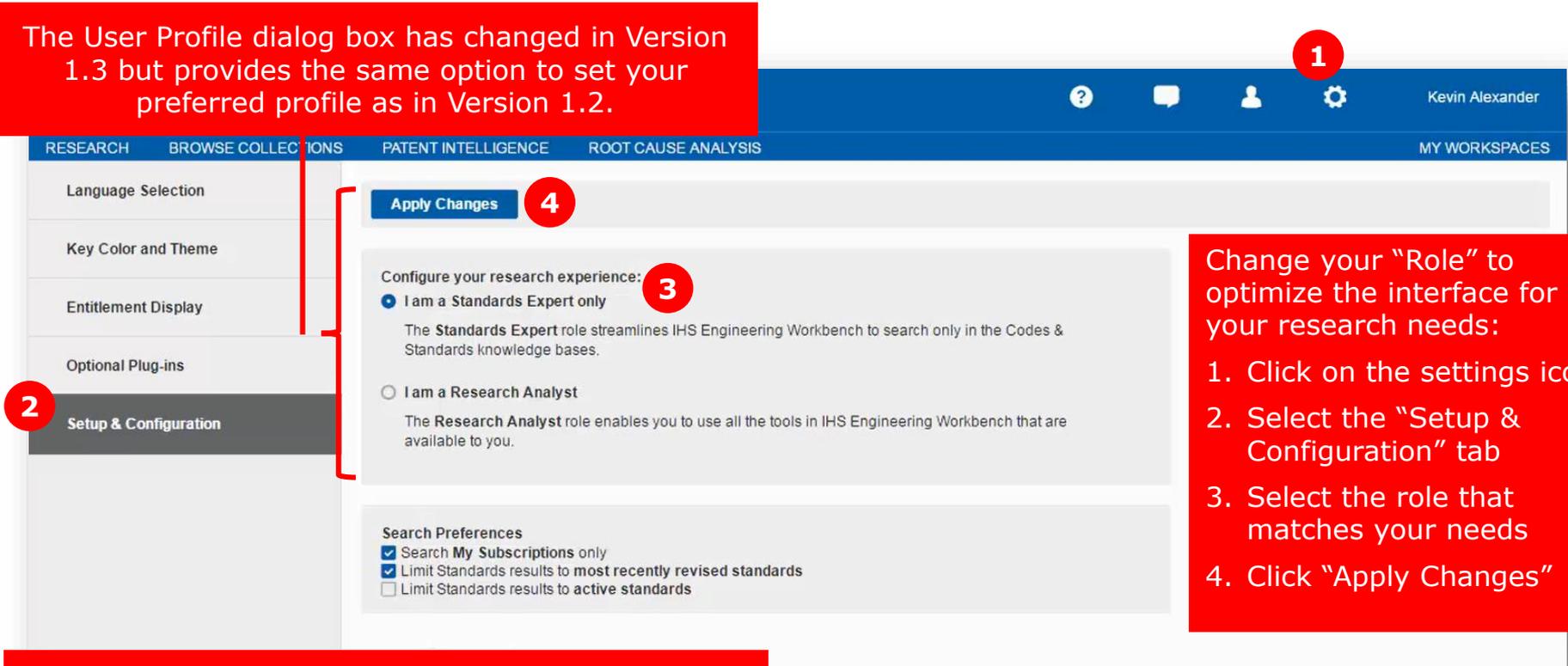


The screenshot displays the 'Advanced Query Tools' section of the Engineering Workbench interface. A search filter dropdown menu is open, listing various search criteria. The 'FSC Codes' filter is currently selected and highlighted. Other filters in the list include Abstract, Authors or Editors, Document Language, Document Number (Standard Number/ISBN/ISSN), Document Status, ICS Codes, IHS Segment, Journal or publication, Keywords defined by author of document, Modification Dates, Posted Date, Publication Dates, Publisher or Copyright, Site or Domain, Standard Classes, and Subjects defined by author of document. The background shows a search query for 'fire control' and various search options like 'Search My Subscriptions only' and 'Limit Standards results to most recently revised standards'.

Enhanced User Profile Administration

Choose the user profile that matches your research needs

The User Profile dialog box has changed in Version 1.3 but provides the same option to set your preferred profile as in Version 1.2.



The screenshot shows the user profile administration interface. At the top right, a settings icon is circled with a red '1'. Below it, the 'Setup & Configuration' tab in the left sidebar is circled with a red '2'. In the main content area, the 'I am a Standards Expert only' radio button is circled with a red '3', and the 'Apply Changes' button at the bottom is circled with a red '4'.

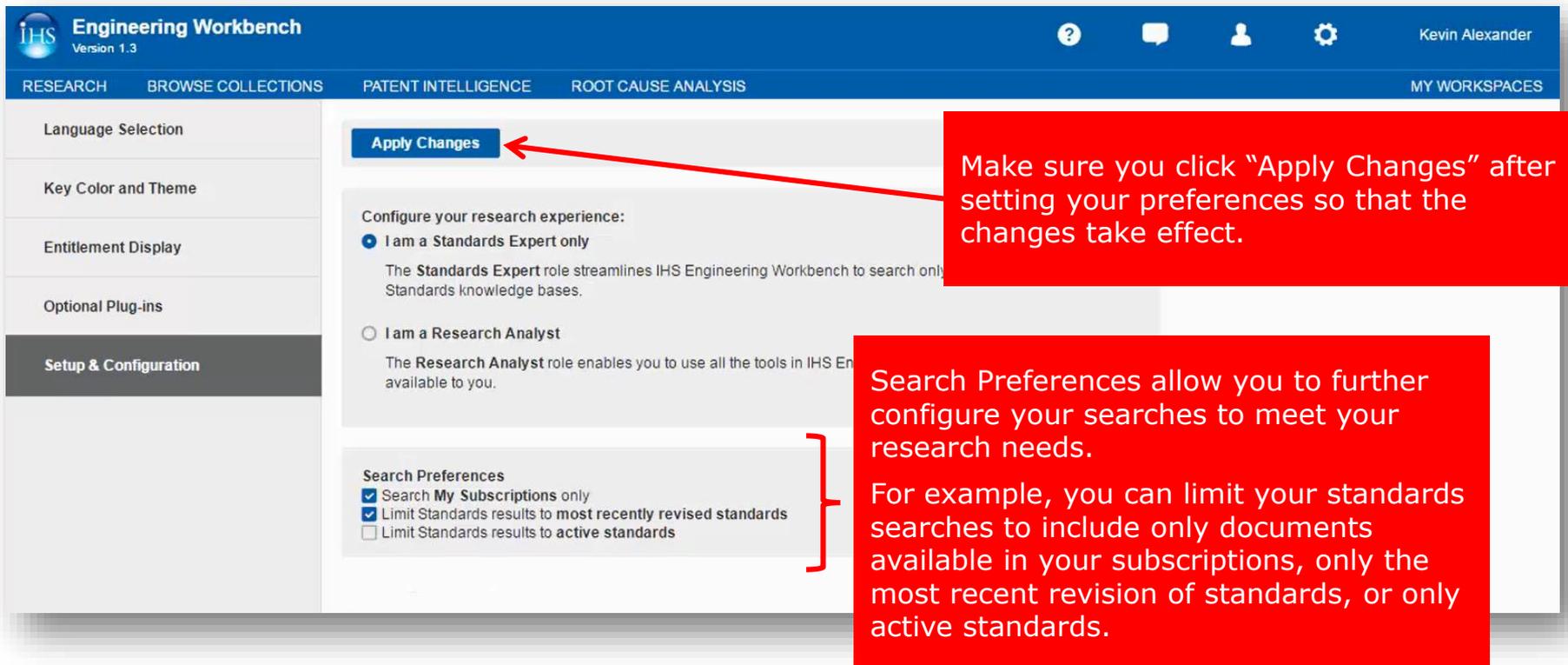
Change your "Role" to optimize the interface for your research needs:

1. Click on the settings icon
2. Select the "Setup & Configuration" tab
3. Select the role that matches your needs
4. Click "Apply Changes"

Selecting "I am a Standards Expert only" will limit searches to only standards content and will remove any additional applications from the home page menu, such as Browse Collections, etc.

Enhanced User Profile Administration

Set your Search Preferences to better suit your research requirements



Apply Changes

Configure your research experience:

- I am a Standards Expert only
The **Standards Expert** role streamlines IHS Engineering Workbench to search only Standards knowledge bases.
- I am a Research Analyst
The **Research Analyst** role enables you to use all the tools in IHS Engineering Workbench available to you.

Search Preferences

- Search My Subscriptions only
- Limit Standards results to most recently revised standards
- Limit Standards results to active standards

Make sure you click "Apply Changes" after setting your preferences so that the changes take effect.

Search Preferences allow you to further configure your searches to meet your research needs. For example, you can limit your standards searches to include only documents available in your subscriptions, only the most recent revision of standards, or only active standards.

More Resources



See this brief [demo video](#) for highlights



Learn about all the new capabilities in Version 1.3 in these [Release Notes](#)



Read this [briefing paper](#) detailing how IHS Engineering Workbench makes finding, using and managing standards easy and convenient

For assistance with IHS Engineering Workbench

Contact the IHS Markit Customer Care Center of Excellence for your region

IHS Markit Customer Care

Monday 12:00am (UTC) to Saturday 12:00am (UTC)
(Sunday 8:00 PM ET to Friday 8:00 PM ET)

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