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## Why Leading Companies Partner with IHS

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For Access to Specifications, Codes and Industry Standards

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The Source

for Critical Information and Insight™

IHS is the leading global source for industry standards, specifications and related publications.

Every day thousands of companies worldwide mitigate risk and gain competitive advantage by giving their employees access to IHS Standards Expert®, the industry-leading standards management solution backed by the world's largest collection of engineering standards and related documents.

IHS Standards Expert simplifies and expedites the process for finding and managing standards. Whether you need a single collection of standards, documents from multiple standards development organizations (SDOs), or any combination in between, IHS Standards Expert is a powerful, yet easy-to-use standards management solution with the flexibility to meet your needs.

### World Class Information Management

IHS Standards Expert offers companies a single "system of record" for standards, with controlled document retrieval and notification of revisions for individuals and teams, helping ensure compliance to industry requirements and quality initiatives, as well as improved uptime and operational efficiency.

Key benefits of using IHS Standards Expert include:

- **Unlimited desktop access** to industry standards collections – where and when it is needed.

- **Eliminates duplication** of individuals, department and libraries ordering documentation.
- Supports **higher quality** in every process.
- Instantaneous access to the most **current documents** available.
- **Version control** on documents ensures accuracy and currency.
- **Increases productivity** of an overburdened technical community.
- Promotes **industry best practices**.
- **Link between internal documents**, best practices, master specs and regulations.
- Collections save **valuable budget dollars**.

### Reducing Risks

Adopting a world-class standards management solution like IHS Standards Expert can help organizations reduce risks related to the proper adoption and application of standards across the enterprise, including:

- Eliminate potential **quality issues** which lead to rework.
- Avoid **copyright infringement** – violations of copyright integrity can result in expensive legal costs for companies.
- Remain compliant for audits – decrease or **eliminate corrective actions**.
- Ensure safety – helps **mitigate potential hazards**.
- **Reduce** personal and corporate **liability**.

## Data and Support – When, Where and How You Need It

### One source for the information you need

An IHS Standards Expert subscription provides comprehensive online electronic document access to users worldwide – eliminating the need for a combination of paper, individual document delivery, or multiple portals to users. Collections are available via one standard interface, ensuring ease of use and broader adoption across an organization, further promoting compliance and data integrity.

As a single source for all of your standards needs, IHS Standards Expert helps ensure version control and copyright compliance. It also allows for seamless navigation to reference standards from within a document, which is not possible when relying on multiple, disparate sources for standards documents.

IHS gives you an online subscription to complete collections, subsets, or packages:

- IHS is the only aggregate subscription source for more than 130 SDOs, with bibliographical records for over 370 sources of standards, codes, and specifications.
- IHS has **exclusive** subscription rights to many SDOs, **including** NBBI, ISA, IPC, AIA/NAS, ABMA, EIA, TIA, ATIS, CEA, ECA, DS, EEMUA, JAA, NIBS, PIA, PFI, Delphi-I, and NAVISTAR.
- IHS is a **primary distributor** for NEMA, AGMA, SAE, ICEDA, EUROCAE, and BICSI.

### Assurance of standards copyright compliance

Only IHS has partnered with standards publishers for more than 45 years to provide their publications to the engineering, research, and scientific communities. These longstanding relationships give you the assurance of compliance with the SDOs' copyright requirements when you use IHS Standards Expert. At the same time, compliance is simple and unobtrusive, and does not impede a user's workflow: Users simply accept each SDO's copyright terms the first time they view a document from a given organization within each online session. Documents are watermarked for further assurance when printing a document is necessary.

### Flexible content options

IHS partners with you to design the optimum content collection that best meets your standards requirements and your budget. You can select from entire publishers

collections, subsets, packages, industry-specific collections, and even custom document collections.

### ASME Boiler and Pressure Vessel Code

Only IHS provides the IHS ASME BPVC Advantage portal with advanced access and features for finding, managing, and sharing critical BPVC information.

- HTML format – with hyperlinks.
- Version Comparison - uses color-coding for fast detection of changes between current and historical code versions.
- Keyword Search – search across the entire Code or by section.
- Annotations – add notes within the Code text for knowledge sharing, and make those notes accessible to others within your organization.
- Access to Electronic Stress Tables.

Additionally, ASME BPVC customers receive access to historical Code versions from 1998 forward for the sections to which they subscribe. Additional historical content from 1971 forward also available.

### Search and Navigation

Advanced search and navigation technology is provided in IHS Standards Expert for increased retrieval speed and the ability to rapidly refine search results. The user-friendly interface displays search options, search results and document options in an intuitive, integrated view. A variety of search options ensures you locate the specific document you need quickly:

- Document Number
- Keyword(s) in Title, Abstract, Scope
- Complete Document Full Text
- Organization
- Document Type/Standard Class
- International Classification System (ICS) Code
- Date Range
- Federal Supply Class (FSC)
- Section/Segment/Category

### Workflow Optimization

Expert standards management tools enable you to improve your processes and reduce risk.

- **Hypertext Link** from your internal documents to referenced industry standards.
- **Favorites** – Manage standards frequently accessed with automatic online and email Alerts for changes.
- **Personal notation Capability** – to add notes to a specific document record.

- **Alert Notification** – receive email alerts when documents are revised, amended, or replaced.
- **Document List Management** – create document lists for individual or project team access.
- **Referenced Document** listings with direct linking.
- **Multi-language Interface and Search** – user interface is available in 12 languages: Chinese (Mandarin or Simplified), English, French, German, Italian, Japanese, Korean, Portuguese (Latin American), Russian, Spanish (European or Latin American)
- **Internal Company Documentation** – add metadata for internal company documents to the IHS Standards Expert index. Added metadata are indexed, integrated, and searchable; records can be linked to the actual document on your company’s secure environment using a URL.

### Quality Assurance and Quality Control

IHS has a deep commitment to content quality. We understand that our customers rely on the information that we provide in our services, and we have taken many steps over the years to ensure that we meet or exceed our customers’ expectations. The IHS content management processes are governed by an ISO 9001 registered quality system. We have established automated processes with many standards developing organizations to ensure that we are providing a high-reliability and high-quality service to our customers.

In addition, IHS has established metrics for what we refer to as the “Four C’s” of content quality – Currency, Correctness, Completeness and Consistency – and we are continually striving to improve against these metrics.

- **Currency** - delivering new and updated content in a timely manner.
- **Correctness** - validating data accuracy relative to external reference points.
- **Completeness** - providing the right data attributes and analysis.
- **Consistency** – ensuring standardized identities, definitions, and content across databases and products.

### Worldwide Support

Direct on-site support is available in 45 countries to support global operations.

An Account Executive is assigned to your account to collaboratively work with you to ensure IHS is delivering

the best-value solutions, and to manage evolving and changing requirements.

A Customer Solutions Advisor is assigned to your account to provide in-depth product knowledge and account support. Your CSA also provides continuous training and assures timely resolution of customer queries.

IHS has three regional Customer Care “Centers of Excellence” (COEs), in locations selected based on regional and customer needs, time zone coverage, and language coverage:

- Englewood, Colorado USA (Americas): Spanish and English
- Penang, Malaysia (APAC): English, Chinese (Mandarin), Japanese, Malay, Tamil, and Korean
- Bracknell, UK (EMEA): German, Spanish, French, Italian, English, Russian, Greek, Vietnamese, Latvian, Assamese, Yoruba, Hindi, and Bengali

These three centers are staffed with highly knowledgeable Support Specialists who can provide product assistance to help maximize your value from IHS products. Based on your individual Customer Service Plan, we can help you use our products more efficiently, provide document and research assistance, resolve system or access issues, and answer your subscription questions. We provide customer support that helps you succeed.

### Other IHS Solutions

By leveraging the deep industry expertise within IHS, we collaborate with customers to identify their critical technical information requirements for a wide range of engineering processes, including R&D, design, testing and validation, procurement and bidding, manufacturing and logistics, and MRO. In addition to specifications and standards to meet these needs, IHS offers regulations, parts data, component and logistics data, design guides, counterfeit mitigation, and decision-support tools.

### Customer First Commitment

For over 50 years, IHS had helped customers harness the power of information to improve their business results. The IHS mission is to provide our customers with the technical information, tools, and operational and advisory services necessary to help them make critical business decisions, maximize their core business processes, and improve productivity. We provide the solutions that help drive your business success.

### IHS Standards Expert® – Advanced, Innovative Standards Management Tools

IHS gives customers confidence by making it easy to access, manage, and use technical information and knowledge to solve essential engineering and research challenges, and increase business effectiveness. We have developed a comprehensive collection of technical information that is highly relevant to the industries we serve. Our decision-support tools enable our customers to quickly and easily search and analyze this information and integrate it into their workflows.

There are other providers of online subscription access to standards. But, with IHS Standards Expert, you're tapping into the most comprehensive standards database available, back up by a power set of management tools, world-class support, and a the IHS commitment to quality. The advanced features in IHS Standards Expert make it easy to find, navigate and manage the standards, codes, and specifications that drive your business success.

The information provided below is the opinion of IHS, and should only be used to assist in the evaluation of IHS Standards Expert versus other offerings.

### IHS Standards Expert versus the Competition

Product Capabilities	IHS	Competition
Search for documents by: <ul style="list-style-type: none"> <li>- Document Number</li> <li>- Keyword/Phrase (in the Title and/or Abstract)</li> <li>- Keyword/Phrase in Full Document Text</li> <li>- Keyword/Phrase in "Note" attached to Document Records</li> <li>- Organization</li> <li>- Industry/Category</li> <li>- Browse all Documents</li> </ul>	Yes	Yes Exception: Keyword Search in Notes only available from some competitors
Refine Searches by: <ul style="list-style-type: none"> <li>- Document Type/Standard Class</li> <li>- Status</li> <li>- Date Range (Published or Posted Date)</li> <li>- International Classification (ICS) Code</li> <li>- Federal Supply Class (FSC)</li> <li>- Most Recent Revision</li> </ul>	Yes	No – some (not all) of these search refinement filters are offered by competitors
Search also supports: <ul style="list-style-type: none"> <li>- Type Ahead (Document Number Search)</li> <li>- Search term spelling corrections, i.e., did you mean this?</li> </ul>	Yes	Unknown – no known documentation indicating these features are available
Supported Search Operators: <ul style="list-style-type: none"> <li>- All Words (water AND quality)</li> <li>- Any Words (petroleum OR gasoline)</li> <li>- Exact Phrase ("surrounded by quotations")</li> <li>- User Entered Boolean Logic (AND, OR, NOT)</li> <li>- Wildcards (supported by *)</li> <li>- Stemming (anodize returns anodized, anodizes, and anodizing)</li> <li>- <i>Coming soon!</i> Synonyms - Searching for elevator will return lift and elevator. Searching for color will return color and colour. Searching for mouse will return mouse and mice.</li> </ul>	Yes	Available from some competitors
Provides Relevance Ranking of Search Results – ensuring those results most applicable to your search criteria (best-match documents) filter to the top of the Results List.	Yes	Available from some competitors. Relevance Ranking offered by some competitors includes SDO, Preferred Supplier and Subject Area.
Search for "Your Company's" metadata records integrated into Standards Expert, and link to "Your Company's" internal documents maintained on your secure environment using a URL.	Yes	Available from some competitors

<b>Product Capabilities</b>	<b>IHS</b>	<b>Competition</b>
Provides links (quick access) to Previously Viewed Documents.	Yes	Yes
Provides list of documents that are <b>referenced</b> within the document you are viewing. Includes hyperlinks to the referenced documents.	Yes	Referenced Documents with Hyperlinks available from some competitors
Provides Equivalency information, i.e., Equivalent, Identical, Modified, etc.	Yes	Available from some competitors
Provides document description/abstract, keywords, related/cross-reference documents, and document family/history.	Yes	Yes
Provides email Alerts. User can receive e-Alerts on any document – even if they don't subscribe to that document. Email Alerts are sent on a daily basis.	Yes	Yes. Some competitor's alerts are issued monthly.
Provides Change Type for Alerts documenting why the Alert was issued, i.e., Amendment, Corrigendum, Revision, Re-approval, Editorial Change, Withdrawal, etc. Change Types are included in eAlerts and online Alerts.	Yes	Unknown – no known documentation indicating Change Type is included with Document Alerts.
Provides ability to create a "Personal" document list.	Yes	Yes
Provides advanced Document List Management features: <ul style="list-style-type: none"> <li>- Create <i>named</i> individual or project Lists.</li> <li>- Maintain documents on List at a specific version of a document or updated to the most current version.</li> <li>- Manage user access, view and edit rights for Lists.</li> <li>- Receive Alerts for all or selected document on Lists.</li> </ul>	Yes	Available from some competitors – with limited features.
Provides ability to add Notes to document records for personal viewing.	Yes	Available from some competitors
Provides ability for Administrator to add Notes that are visible and readable by all users. Provides ability to "keyword search" the text of all notes. Provides ability to "filter" your search for documents with Notes attached.	Yes	Available from some competitors
Provides Redlines allowing users to compare changes between an active standard and its previous version.	Yes – available for selected SDOs. Please contact an IHS Representative.	Yes – available for some SDOs. Check for availability.
Provides multi-language user interface.	Yes	Limited languages available from some competitors
Provides ability to embed links in customer's internal documents to seamlessly access the PDF documents within the Standards subscription application.	Yes	Available from some competitors
Provides ability to pull Usage Reports as needed.	No – Usage reports available upon request.	Available from some competitors
Provides ability to customize the user interface, i.e., incorporate messaging for internal communication and add your company's brand/logo.	Yes	Available from some competitors
<b>Retail Capabilities</b>		
Provides Retail Shopping Cart for electronic and/or hardcopy orders outside the subscription.	Yes	Yes

<b>Retail Capabilities</b>	<b>IHS</b>	<b>Competition</b>
<b>Coming Soon!</b> Provides Document Preview (Cover, Contents, Introduction, Scope, Intended Use, etc.) to assist user in purchasing decision prior to retail ordering.	Yes	Available from some competitors
Provides a variety of retail payment options: Credit Card, Purchase Order, Blanket Purchase Order and Deposit Account. Most Deposit Account orders receive a 10% discount.	Yes	Yes
Provides system that allows a “Gatekeeper” to review retail document orders once submitted. Gatekeeper can approve or reject document orders.	Yes	Available from some competitors
Provides ability for Gatekeeper to set an Approval Threshold level. Document orders under the approval threshold are automatically processed without Gatekeeper approval/intervention.	Yes	Available from some competitors
Provides ability to add custom messaging to the retail interface, i.e., provide purchase/payment instructions and/or account purchasing policy message to the user community.	Yes	Unknown – no known documentation indicating this feature is available
Provides custom “Cost” field in the Shopping Cart for chargeback of retail purchases.	Yes	Available from some competitors
Provides Justification field for Requestor to inform Gatekeeper of reason for the retail request.	Yes	Available from some competitors
Provides ability to forward purchased documents to Requestor. Documents with DRM (Digital Rights Management) applied will “lock” the document to the Requestor’s PC.	Yes	Available from some competitors
<b>Coming Soon!</b> <i>Purchase Alerts – Users will receive an email Alert whenever a retail-purchased document revises.</i>	Yes	Available from some competitors

<b>Content</b>	<b>IHS</b>	<b>Competition</b>
Offers both retail and subscription standards.	Yes - IHS has exclusive rights to many organizations, including AIA/NAS, EIA, TIA, IPC, ISA, ATIS, NBBI, EEMUA, ABMA, CEA, ECA, DS, JAA, NIBS, PIA, PFI, Delphi-I, and NAVISTAR. IHS is also the primary distributor for several SDOs, including NEMA, SAE, EUROCAE, AGMA, BICSI, and ICEA.	Yes - competitors do not have the extensive offering that is available from IHS. IHS maintains contracts with 120 organizations for electronic subscription content. Check competitors for availability.
Offers electronic versions of standards.	Yes	Yes – check for availability.
Provides ability to tailor subscriptions to customer’s needs. Your IHS Representative partners with you, helping you create the optimal collection for your organization and projects	Yes	Yes
Offers industry package, i.e., Petrochem, Telecomm, and Medical Devices.	Yes	Available from some competitors – check for availability and document content.

<b>Content</b>	<b>IHS</b>	<b>Competition</b>
Provides ability to add documents to Custom Collections on demand.	Yes – An IHS Representative is available to partner with you, helping you create the optimal custom collection for your organization and projects.	Yes
Provides “custom blocks” – the ability to pre-purchase blocks of documents by publisher and add standards to your subscription as needed.	Yes – available for some SDOs. Please contact an IHS Representative.	Available from some competitors – check for SDO availability.
Provides ability to access ISE User Interface and PDF images via your iPad and iPhone.	Yes	Yes

<b>Sales and Service</b>	<b>IHS</b>	<b>Competition</b>
Provides worldwide support - through customer support, account managers and dealer network.	Yes	Yes – limited dealer network.
Provides multi-language phone support.	Local language support provided by IHS subsidiaries and dealers. IHS U.S. offers phone support in English, Spanish and Russian languages.	Available from some competitors.



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\* Please note toll free calling is not available in all APAC countries or regions.