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IL PORTALE DEDICATO ALL'INDUSTRIA

ANIMA CONFINDUSTRIA MECCANICA VARIA

Pacchetto Norme ASTM

Versione 2 giugno 2019

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Convenzione esclusiva ANIMA - ASTM

Normative per le Imprese

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Esigenza molto sentita dalle aziende di accedere con **più facilità** e **minor costi** alle normative **ASTM** "American Society for Testing and Materials" e a numerosi altri standard ormai di riferimento in tutti i paesi

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ASTM INTERNATIONAL

ASTM rappresenta il 40/60% delle normative utilizzate dall‘Industria

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ANIMA CONFINDUSTRIA MECCANICA VARIA

CHI E' ASTM

- American Society for Testing & Materials, fondata nel 1898
- Una delle più grandi organizzazioni mondiali di standard normativi utilizzati dell'industria
- Pubblica normative, specifiche, metodi di prova, libri, riviste, documenti per conferenze, ecc.
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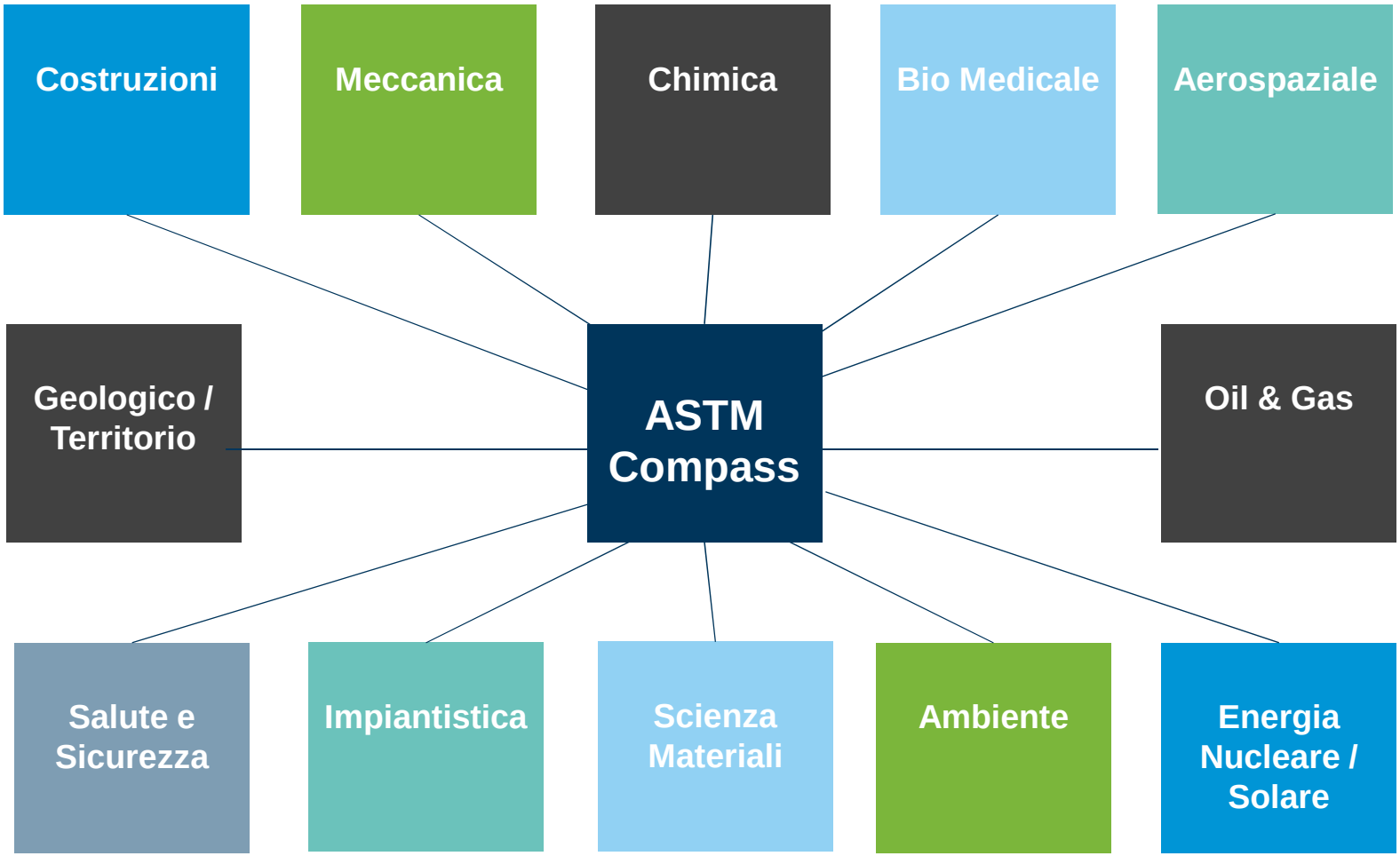

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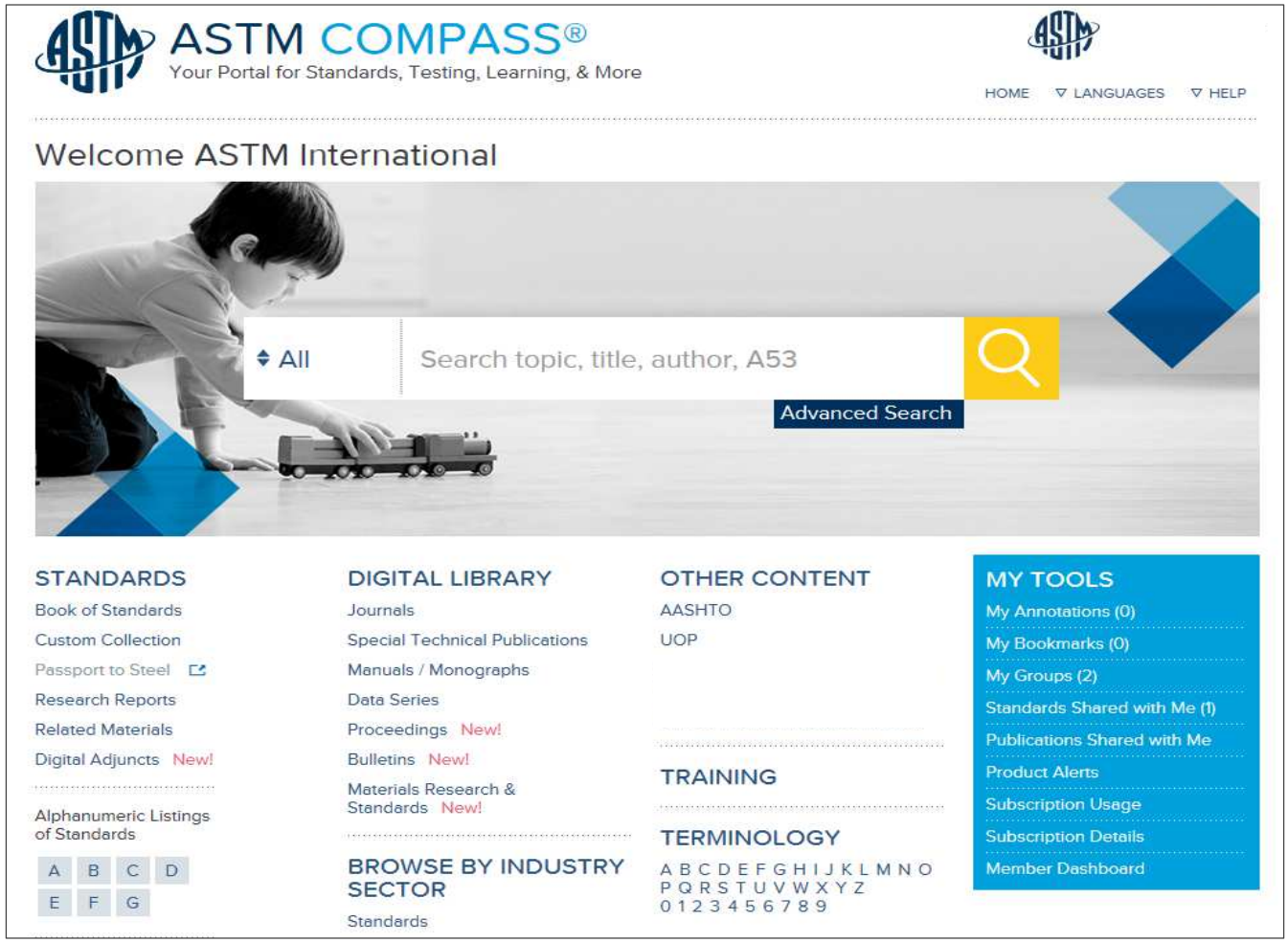

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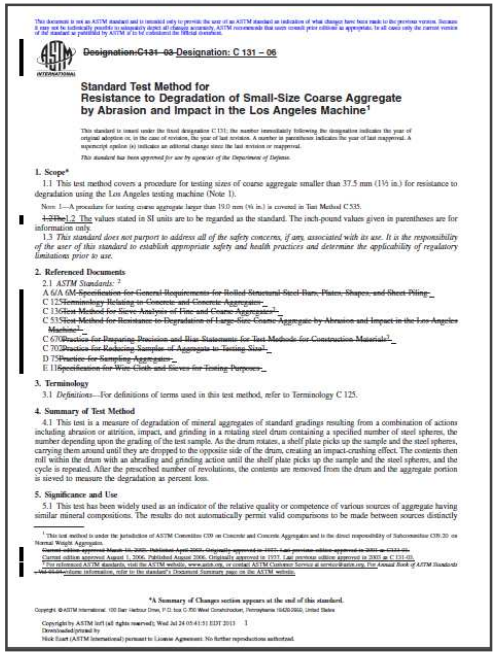

~~Designation: C 131 – 03~~ Designation: C 131 – 06

Standard Test Method for
Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine[1]

1. Scope*

1.1 This test method covers a procedure for testing sizes of coarse aggregate smaller than 37.5 mm (1½ in.) for resistance to degradation using the Los Angeles testing machine (Note 1).

Note 1—A procedure for testing coarse aggregate larger than 19.0 mm (¾ in.) is covered in Test Method C 535.

~~1.2 The~~ 1.2 The values stated in SI units are to be regarded as the standard. The inch-pound values given in parentheses are for information only.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:* [2]

~~A 6/A 6M Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Sheet Piling~~

~~C 125 Terminology Relating to Concrete and Concrete Aggregates~~

~~C 136 Test Method for Sieve Analysis of Fine and Coarse Aggregates~~[3]

~~C 535 Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine~~[3]

~~C 670 Practice for Preparing Precision and Bias Statements for Test Methods for Construction Materials~~[3]

~~C 702 Practice for Reducing Samples of Aggregate to Testing Size~~[3]

~~D 75 Practice for Sampling Aggregates~~

~~E 11 Specification for Wire Cloth and Sieves for Testing Purposes~~

3. Terminology

3.1 *Definitions*—For definitions of terms used in this test method, refer to Terminology C 125.

4. Summary of Test Method

4.1 This test is a measure of degradation of mineral aggregates of standard gradings resulting from a combination of actions including abrasion or attrition, impact, and grinding in a rotating steel drum containing a specified number of steel spheres, the number depending upon the grading of the test sample. As the drum rotates, a shelf plate picks up the sample and the steel spheres, carrying them around until they are dropped to the opposite side of the drum, creating an impact-crushing effect. The contents then roll within the drum with an abrading and grinding action until the shelf plate picks up the sample and the steel spheres, and the cycle is repeated. After the prescribed number of revolutions, the contents are removed from the drum and the aggregate portion is sieved to measure the degradation as percent loss.

5. Significance and Use

5.1 This test has been widely used as an indicator of the relative quality or competence of various sources of aggregate having similar mineral compositions. The results do not automatically permit valid comparisons to be made between sources distinctly

[1] This test method is under the jurisdiction of ASTM Committee C09 on Concrete and Concrete Aggregates and is the direct responsibility of Subcommittee C09.20 on Normal Weight Aggregates.

~~Current edition approved March 15, 2003. Published April 2003. Originally approved in 1935. Last previous edition approved in 2001 as C 131–01.~~

Current edition approved August 1, 2006. Published August 2006. Originally approved in 1935. Last previous edition approved in 2003 as C 131–03.

[2] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* ~~2003~~ volume information, refer to the standard's Document Summary page on the ASTM website.

*A Summary of Changes section appears at the end of this standard.

CONTENUTI 3^ PARTI

- UOP Universal Oil Products Collection Standards
- API American Petroleum Institute www.api.org
- ACI American Concrete Institute www.concrete.org
- AASHTO American Association of State Highways and Transportation Officials www.transportation.org

e a breve nuovi contenuti: **API, ASME.**…

ASTM Compass

Contenuti: 15 Sezioni

Oltre 80 Volumi - http://www.astm.org/BOOKSTORE/BOS/index.htlm

Section 01 - Iron and Steel Products (Prodotti in ferro e acciaio)
Section 02 - Nonferrous Metal Products (Prodotti metallici non ferrosi)
Section 03 - Metals Test Methods and Analytical Procedures (Metalli Metodi di prova e procedure analitiche)
Section 04 - Construction (Costruzione)
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Section 06 - Paints, Related Coatings and Aromatics (Vernici, rivestimenti correlati e aromatici)
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16.800 Riviste. Oltre 120.000 pagine. Pubblicazioni/articoli

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Advances in Civil Engineering Materials	2012 to today	 Online Only
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Geotechnical Testing Journal (GTJ)	1978 to today. 6 per annum	 10.200 pages 150+ volumes
Journal of Testing and Evaluation (JTE)	1973 to today. 6 per annum	 18.550 pages 235+ volumes

Abstract: ISI Science Citation Index, COMPENDEX, Chemical Abstract, Web of Science, Cambridge Scientific Abstract, Materials Science Citation Index, ...

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ASTM Compass Content

Contenuti: Riviste

Pubblicazioni/Articoli

Name	Date	Pages
Journal of ASTM International (JAI)	2004 to 2012	 26.190 pages 90+ volumes
Journal of Cement. Concrete and Aggregates	1979 to 2004	 1.400 pages 50+ volumes
Journal of Composites Technology and Research (JCTR)	1978 to 2003	 4.500 pages 95+ volumes
Journal of Forensic Sciences (JOFS)	1972 to 2005	 56.200 pages 170+ volumes

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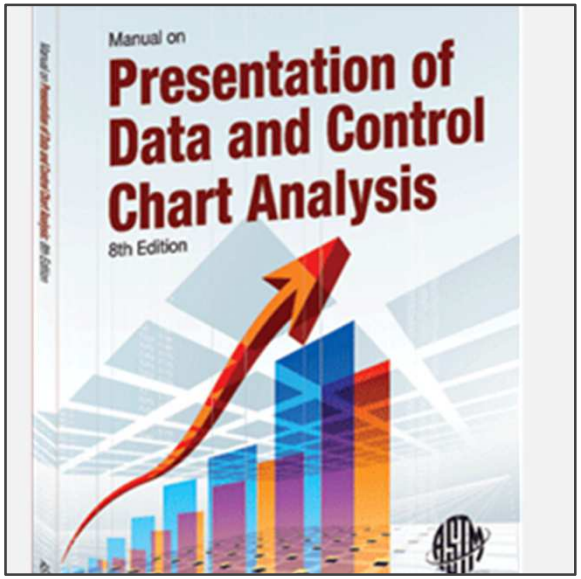

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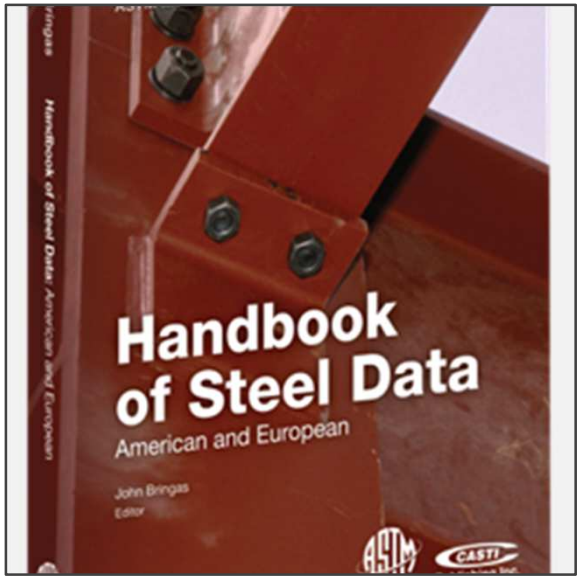

Documenti tecnici selezionati (STP)

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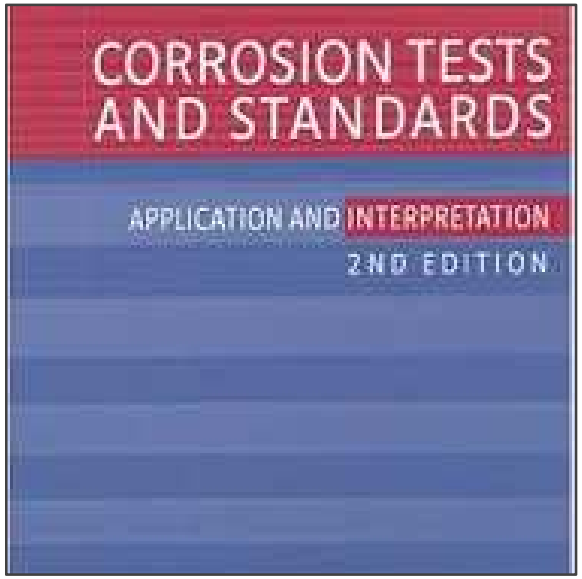

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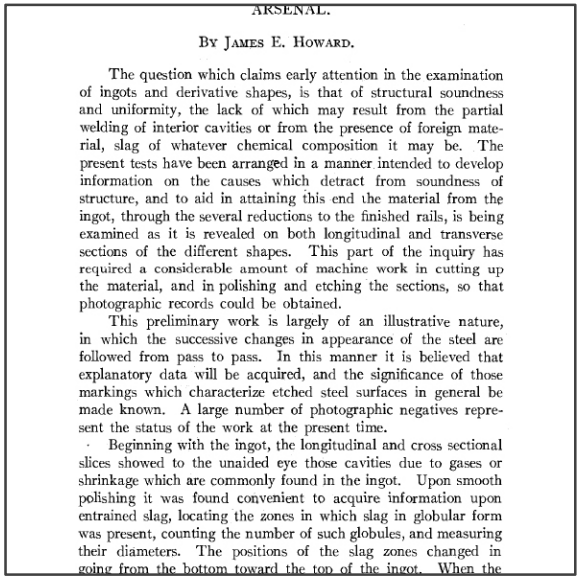


ARSENAL.

BY JAMES E. HOWARD.

The question which claims early attention in the examination of ingots and derivative shapes, is that of structural soundness and uniformity, the lack of which may result from the partial welding of interior cavities or from the presence of foreign material, slag of whatever chemical composition it may be. The present tests have been arranged in a manner intended to develop information on the causes which detract from soundness of structure, and to aid in attaining this end the material from the ingot, through the several reductions to the finished rails, is being examined as it is revealed on both longitudinal and transverse sections of the different shapes. This part of the inquiry has required a considerable amount of machine work in cutting up the material, and in polishing and etching the sections, so that photographic records could be obtained.

This preliminary work is largely of an illustrative nature, in which the successive changes in appearance of the steel are followed from pass to pass. In this manner it is believed that explanatory data will be acquired, and the significance of those markings which characterize etched steel surfaces in general be made known. A large number of photographic negatives represent the status of the work at the present time.

Beginning with the ingot, the longitudinal and cross sectional slices showed to the unaided eye those cavities due to gases or shrinkage which are commonly found in the ingot. Upon smooth polishing it was found convenient to acquire information upon entrained slag, locating the zones in which slag in globular form was present, counting the number of such globules, and measuring their diameters. The positions of the slag zones changed in going from the bottom toward the top of the ingot. When the

Proceedings

Pubblicato annualmente, include tutte le relazioni di commissione e i documenti tecnici offerti ad ASTM nell'anno solare. Copie digitali sono disponibili dal 1909 al 1965

Bulletin

A New Name for ASTM?

Editor's Note.—The primary purpose of this article is to stimulate thought and response on the part of our members. Your officers urgently desire an expression of your feelings on this matter, whether pro or con. Please write to Headquarters and let us know your thoughts.

DISCUSSION CONTINUES as to the desirability of changing the name of the ASTM. As might be expected, attitudes toward this range from violently opposed to enthusiastically in favor, with a large intermediate group exhibiting varying degrees of passivity.

Those in favor dwell most frequently on the necessity of having a name that more clearly indicates the complete scope of ASTM interests. This is becoming increasingly desirable as a means of forestalling the creation of new technical organizations in the materials field or the encroachment of existing organizations by expansion into areas of activity in which ASTM should maintain its pre-eminent position to the advantage of all concerned.

Even many who should be better informed tend to think of ASTM as being concerned only with standards and testing. Without detracting in the least from the importance of these ASTM areas of activity, it seems to be necessary to emphasize as well the important and extensive work of ASTM in the broad field of materials, and particularly in its research and development programs upon which new and improved standards and testing methods are based. This does not require any de-emphasizing of ASTM's major interest in, and responsibility for, ma-

ASTM, by which it is most generally known and almost invariably referred to, be preserved. As in the case of the continued use of the initials AIME to describe the American Institute of Mining, Metallurgical and Petroleum Engineers, it is not essential that words be chosen that start with the letters A, S, T, and M. However, this would be desirable and might be achieved, for example, in names previously presented for discussion: Association for Standards and Technology of Materials or American Society for Standards and Technology of Materials. Another name that has been suggested is American Society for Testing and Materials. While this does not go as far as some would like toward emphasizing our concern with materials per se, it is a move in that direction.

Substitution of the word "Association" for "American" has raised some objections related to a suggested lack of patriotism, or even pride, in our country. On the other hand, some have praised such a change with reference to the international scope of many ASTM activities, including memberships abroad, the desirability of having ASTM standards and practices adopted in other countries, and the fact that the United States is not uniquely American among the nations comprising North and South America.

Elimination of the word "testing" has been criticized severely. Those objectors point out quite properly that, in its broad sense, the word "testing" encompasses most of the activities that any new name might similarly attempt to describe. One definition of research describes it as the testing of previously

concept visualizing testing as the more or less routine execution of a test in accordance with a specified procedure and requiring principally manipulative skill and care rather than the special knowledge and creative thinking characteristic of most of the professional membership of our Society. Thus, there is the danger that the word "testing" in the Society's name tends to downgrade both the nature of the Society's interests and the professional stature of its members.

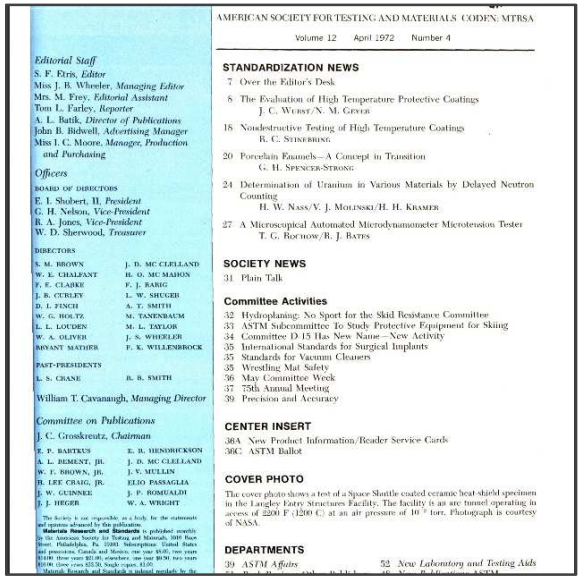
Some eyebrows have been raised about the proposal to include the word "technology" in a new name. Here again, the basis of objection is a fear of downgrading illustrated by a comparison of a technician with an engineer. In reverse, it can be pointed out that many of our most respected engineering colleges are known officially as Institutes of Technology. Their graduates do not seem to suffer any loss of prestige by graduating from an institution with the word "technology" in its name. They might reasonably be expected to be equally comfortable in a technical society with the same appellation. Graduates from other institutions might similarly extend their tolerance of graduates of Institutes of Technology to include a common membership in an Association for Standards and Technology of Materials.

On the positive side, the Greek root of the word technology means "scientific treatment" and one definition is "the scientific study of the practical or industrial arts," in this case as applied to materials and their development. These considerations would support a substitution of "technology" for "testing" where the letter "t" appears in the ASTM initials. It has some of the limitations of the word "testing" in its narrowest sense and quite reasonably indicates the scope of the Society's activities which support its prime function of creating materials standards.

It is hoped that a large number of members of the Society will give the Board of Directors and the Long-Range Planning Committee the benefit of their views on the proposed change in name. This could extend to suggestions for a better name. Perhaps it will be possible

Bulletins

Rivista ufficiale ASTM dal 1921 al 1960. Pubblicato trimestrale, queste edizioni includevano notizie della Società, le sue attività di comitato tecnico e pubblicazioni, nonché documenti tecnici. Ogni edizione trimestrale contiene molti documenti tecnici individuali



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COVER PHOTO

The cover photo shows a test of a Space Shuttle coated ceramic heat-shield specimen in the Langley Entry Structures Facility. The facility is an arc tunnel operating in excess of 2200 F (1200 C) at an air pressure of 10⁻² torr. Photograph is courtesy of NASA.

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Materials Research & Standards

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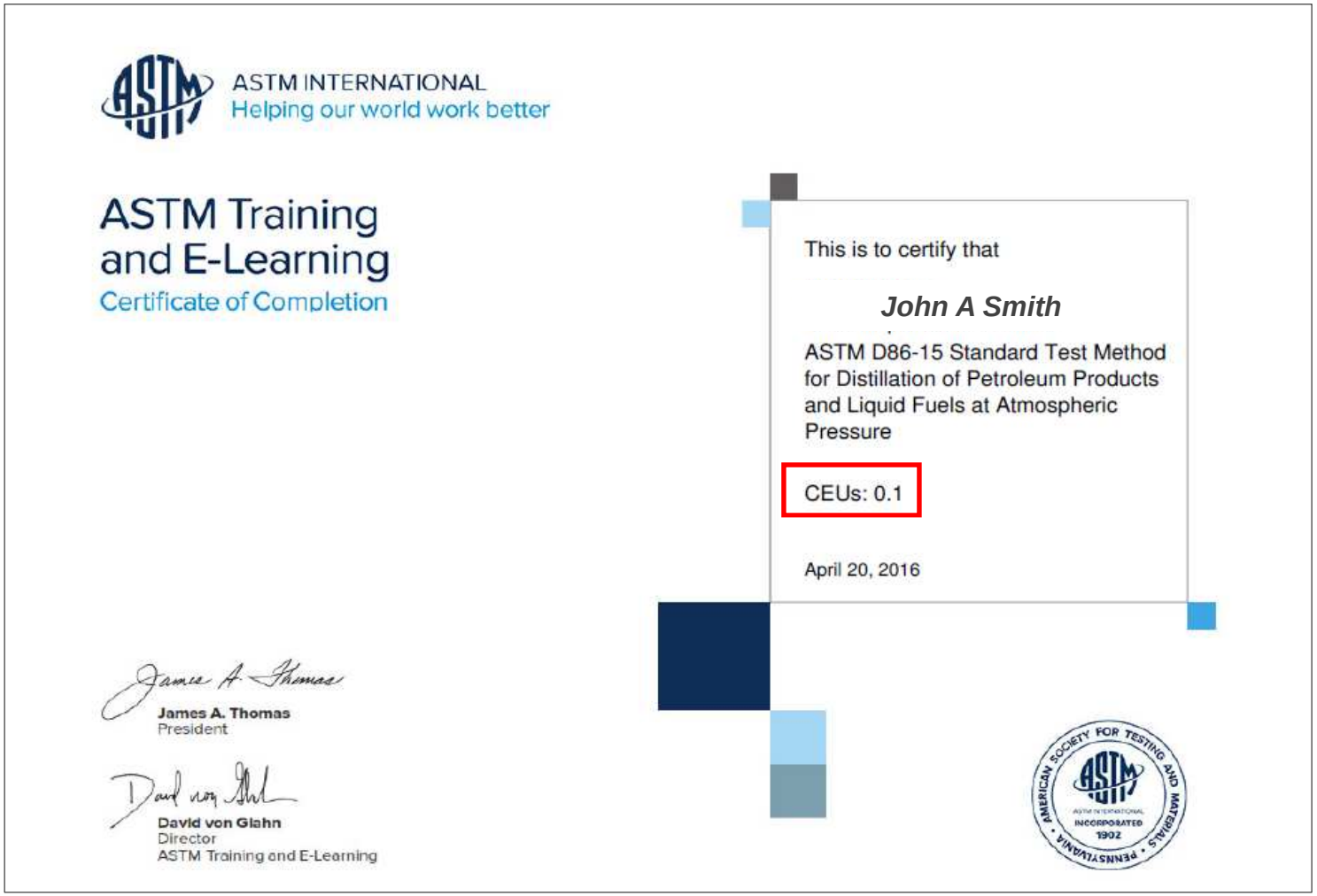

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ASTM D86-15 Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure

CEUs: 0.1

April 20, 2016

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AMERICAN SOCIETY FOR TESTING AND MATERIALS · PENNSYLVANIA · ASTM INTERNATIONAL INCORPORATED 1902

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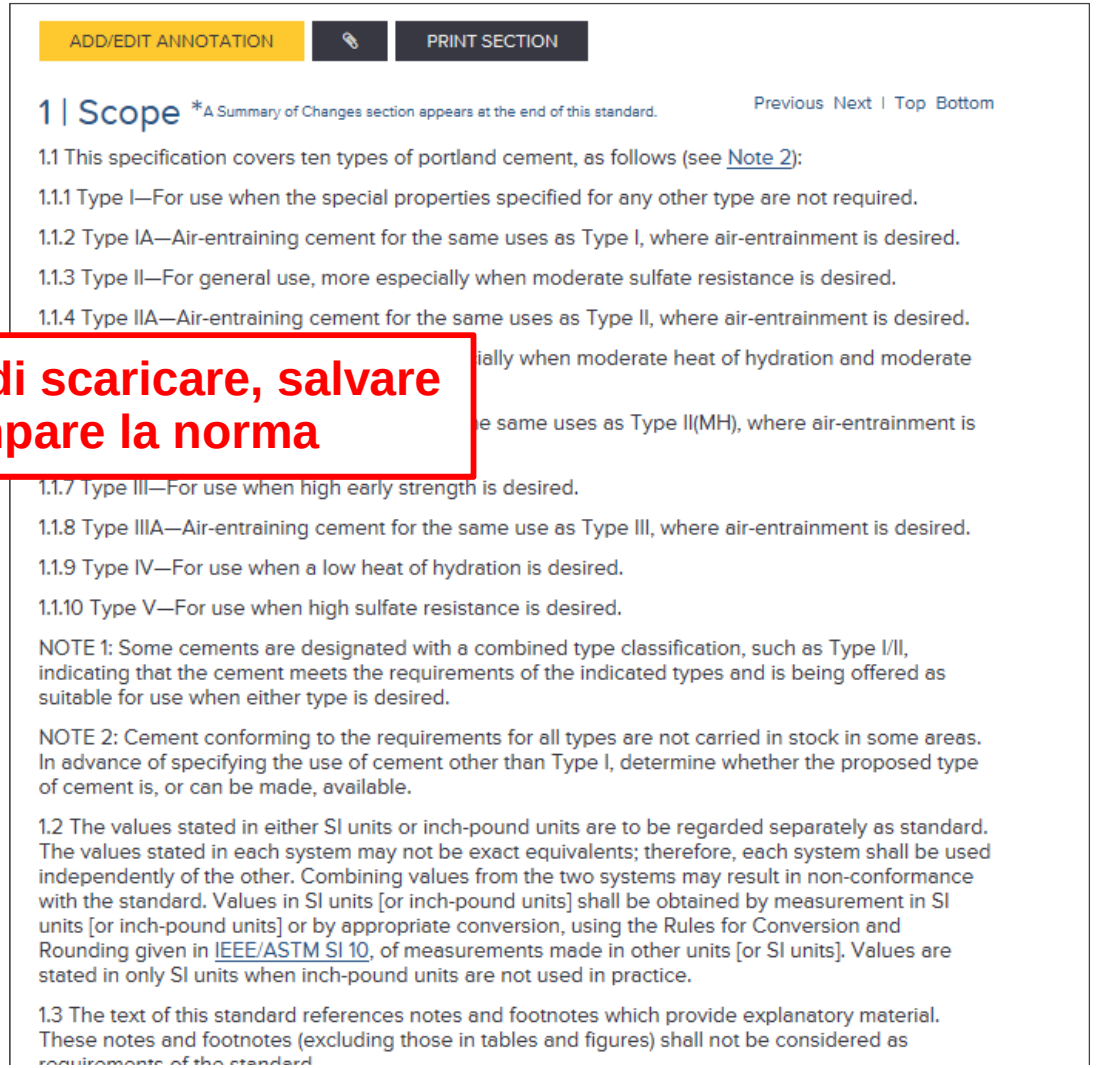

ADD/EDIT ANNOTATION | PRINT SECTION

1 | Scope *A Summary of Changes section appears at the end of this standard.

Previous Next | Top Bottom

1.1 This specification covers ten types of portland cement, as follows (see Note 2):

1.1.1 Type I—For use when the special properties specified for any other type are not required.

1.1.2 Type IA—Air-entraining cement for the same uses as Type I, where air-entrainment is desired.

1.1.3 Type II—For general use, more especially when moderate sulfate resistance is desired.

1.1.4 Type IIA—Air-entraining cement for the same uses as Type II, where air-entrainment is desired.

ially when moderate heat of hydration and moderate

e same uses as Type II(MH), where air-entrainment is

1.1.7 Type III—For use when high early strength is desired.

1.1.8 Type IIIA—Air-entraining cement for the same use as Type III, where air-entrainment is desired.

1.1.9 Type IV—For use when a low heat of hydration is desired.

1.1.10 Type V—For use when high sulfate resistance is desired.

NOTE 1: Some cements are designated with a combined type classification, such as Type I/II, indicating that the cement meets the requirements of the indicated types and is being offered as suitable for use when either type is desired.

NOTE 2: Cement conforming to the requirements for all types are not carried in stock in some areas. In advance of specifying the use of cement other than Type I, determine whether the proposed type of cement is, or can be made, available.

1.2 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard. Values in SI units [or inch-pound units] shall be obtained by measurement in SI units [or inch-pound units] or by appropriate conversion, using the Rules for Conversion and Rounding given in IEEE/ASTM SI 10, of measurements made in other units [or SI units]. Values are stated in only SI units when inch-pound units are not used in practice.

1.3 The text of this standard references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as

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Versione delle norme in PDF

SOLO consultabile, con link dinamici alle normative citate

Designation: D86 – 16a

Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure[1]

This standard is issued under the fixed designation D86; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope*

1.1 This test method covers the atmospheric distillation of ...ry batch ...ng range ...stillates, ...ant oxy- ...ine fuels, ...s, special ...ses, and

Note 1—An interlaboratory study was conducted in 2008 involving 11 different laboratories submitting 15 data sets and 15 different samples of ethanol-fuel blends containing 25 % volume, 50 % volume, and 75 % volume ethanol. The results indicate that the repeatability limits of these samples are comparable or within the published repeatability of the method (with the exception of FBP of 75 % ethanol-fuel blends). On this basis, it can be concluded that Test Method D86 is applicable to ethanol-fuel blends such as E75 and E85 (Specification D5798) or other ethanol-fuel blends with greater than 10 % volume ethanol. See ASTM RR:D02-1694 for supporting data.[2]

1.2 The test method is designed for the analysis of distillate fuels; it is not applicable to products containing appreciable quantities of residual material.

1.3 This test method covers both manual and automated instruments.

1.4 Unless otherwise noted, the values stated in SI units are to be regarded as the standard. The values given in parentheses are provided for information only.

1.5 **WARNING**—Mercury has been designated by many regulatory agencies as a hazardous material that can cause central nervous system, kidney and liver damage. Mercury, or its vapor, may be hazardous to health and corrosive to materials. Caution should be taken when handling mercury and mercury containing products. See the applicable product Material Safety Data Sheet (MSDS) for details and EPA's website—http://www.epa.gov/mercury/faq.htm—for additional information. Users should be aware that selling mercury and/or mercury containing products into your state or country may be prohibited by law.

1.6 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 All standards are subject to revision, and parties to agreement on this test method are to apply the most recent edition of the standards indicated below, unless otherwise specified, such as in contractual agreements or regulatory rules where earlier versions of the method(s) identified may be required.

2.2 *ASTM Standards:*[3]

D97 Test Method for Pour Point of Petroleum Products

D323 Test Method for Vapor Pressure of Petroleum Products (Reid Method)

D4057 Practice for Manual Sampling of Petroleum and Petroleum Products

D4175 Terminology Relating to Petroleum Products, Liquid Fuels, and Lubricants

D4177 Practice for Automatic Sampling of Petroleum and Petroleum Products

D4953 Test Method for Vapor Pressure of Gasoline and Gasoline-Oxygenate Blends (Dry Method)

[1] This test method is under the jurisdiction of ASTM Committee D02 on Petroleum Products, Liquid Fuels, and Lubricants and is the direct responsibility of Subcommittee D02.08 on Volatility.

In the IP, the equivalent test method is published under the designation IP 123. It is under the jurisdiction of the Standardization Committee.

Current edition approved Aug. 1, 2016. Published August 2016. Originally approved in 1921. Last previous edition approved in 2016 as D86–16. DOI: 10.1520/D0086-16A.

[2] Supporting data have been filed at ASTM International Headquarters and may be obtained by requesting Research Report RR:D02-1694.

[3] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

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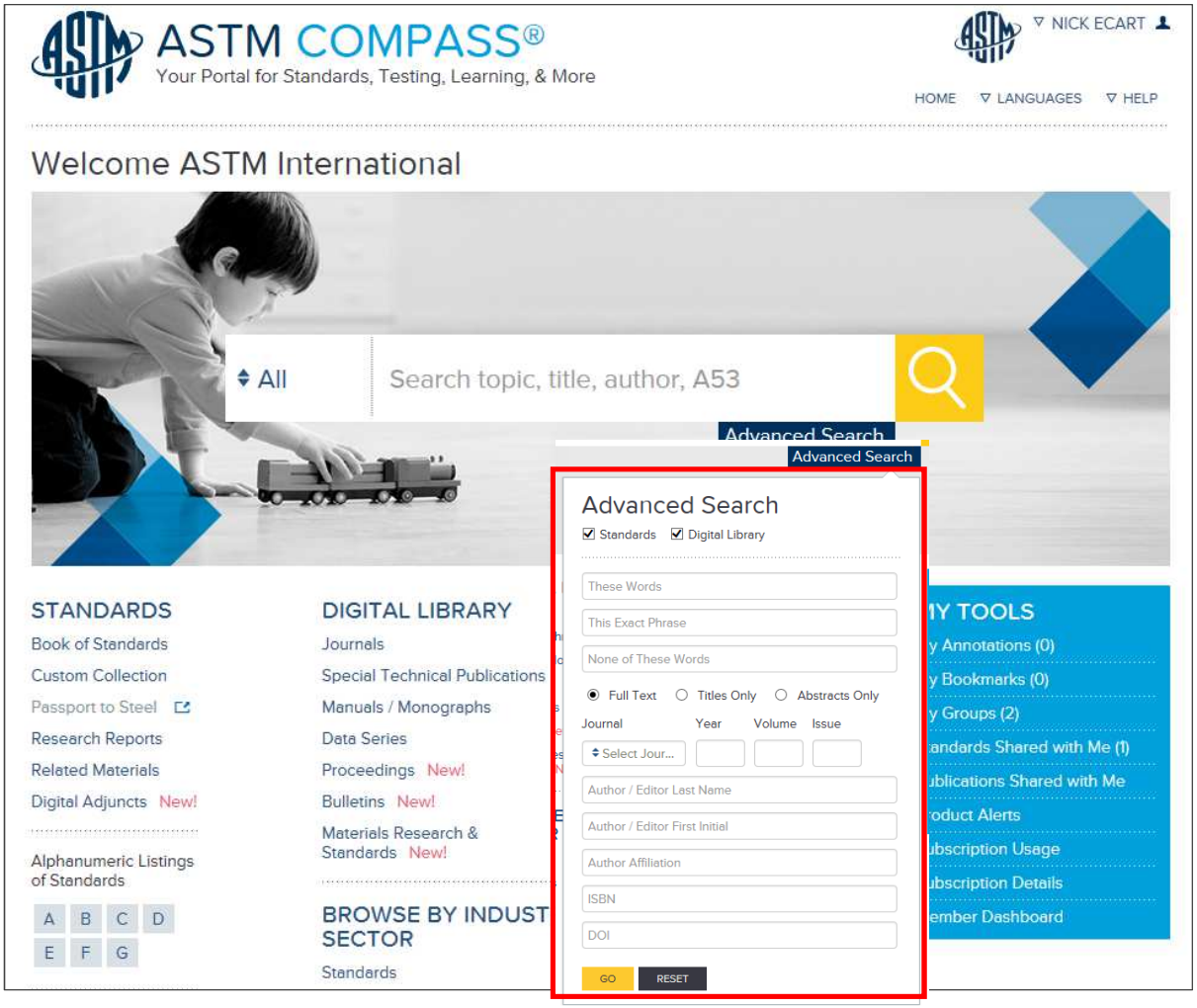

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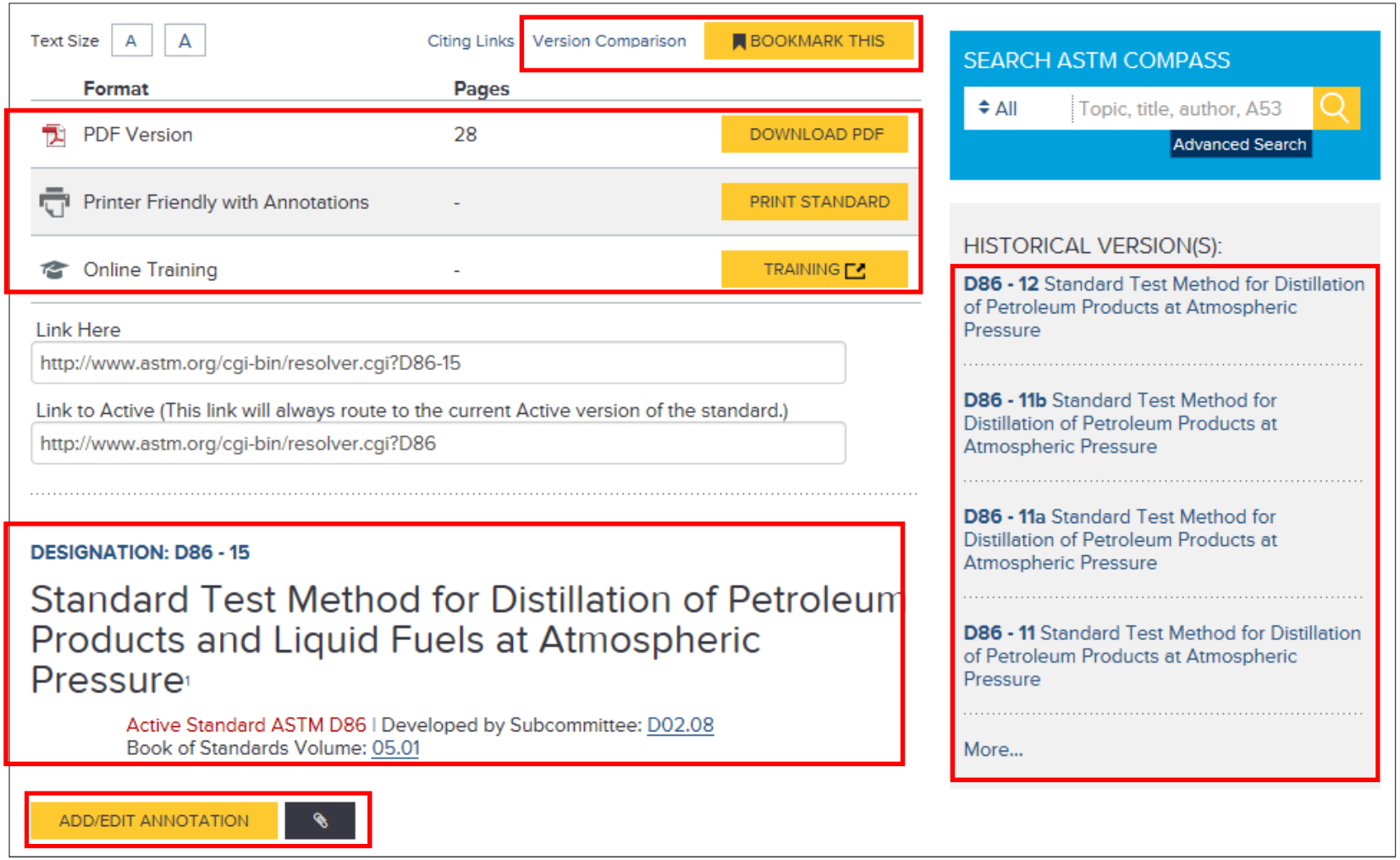

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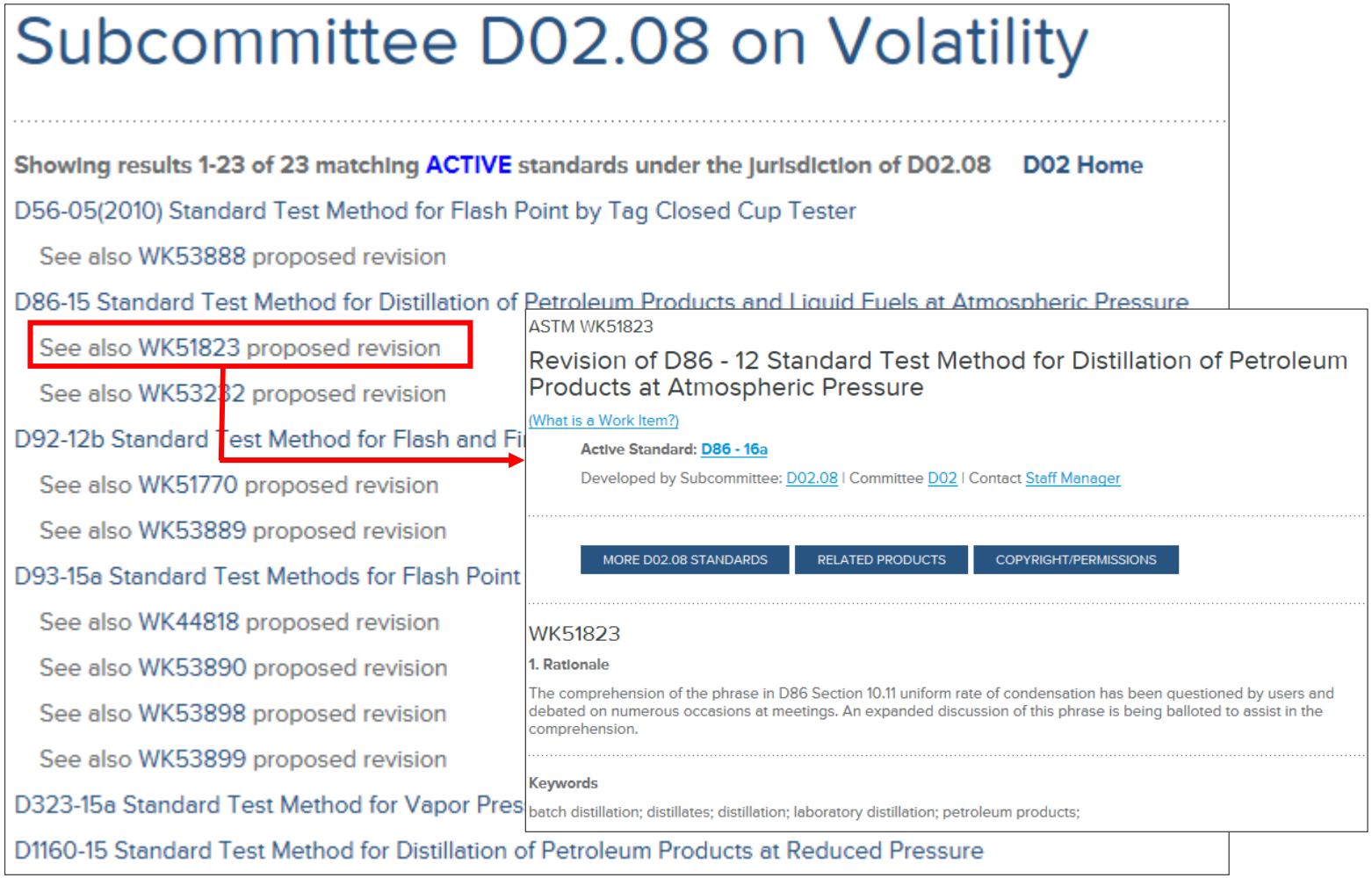

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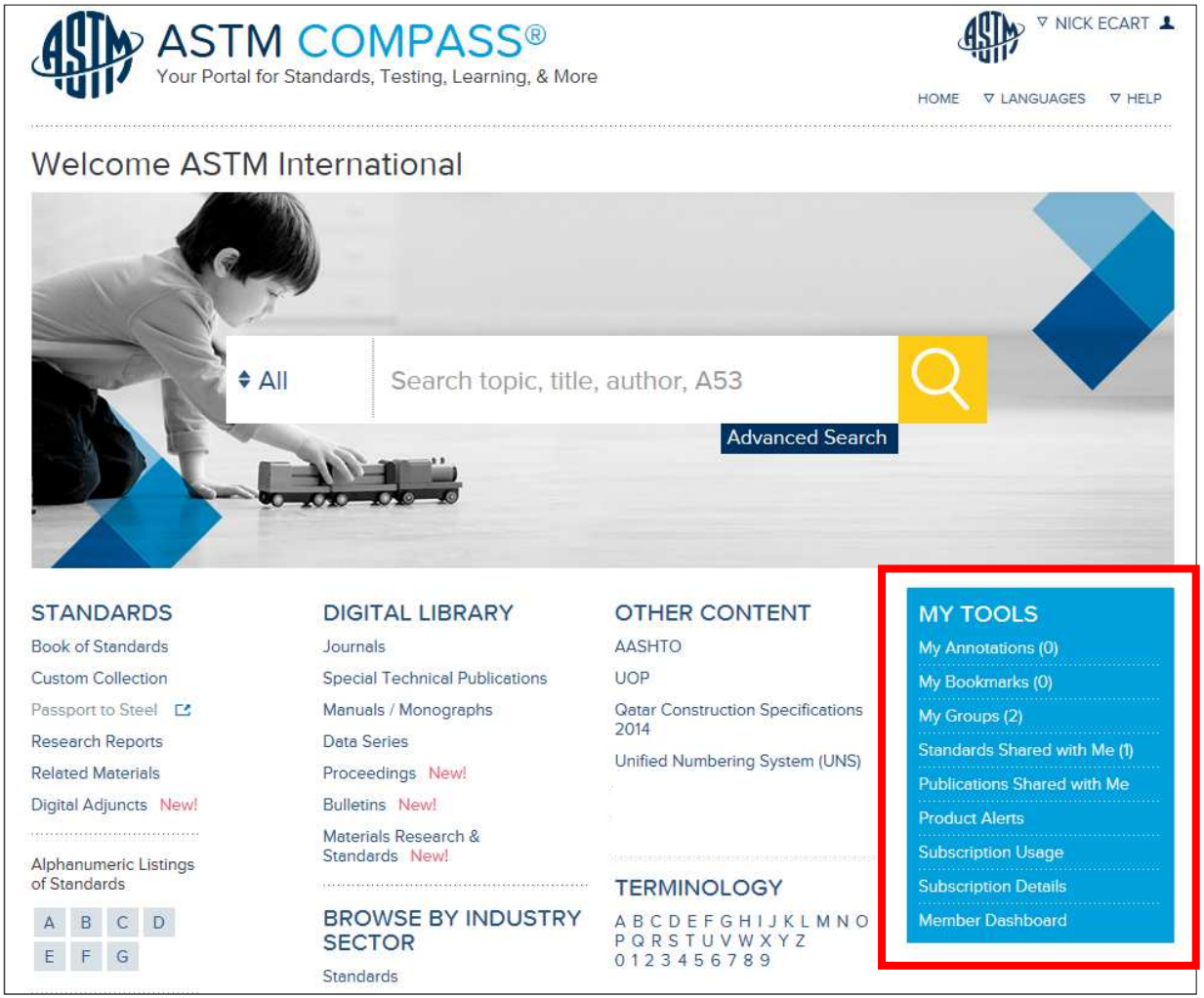

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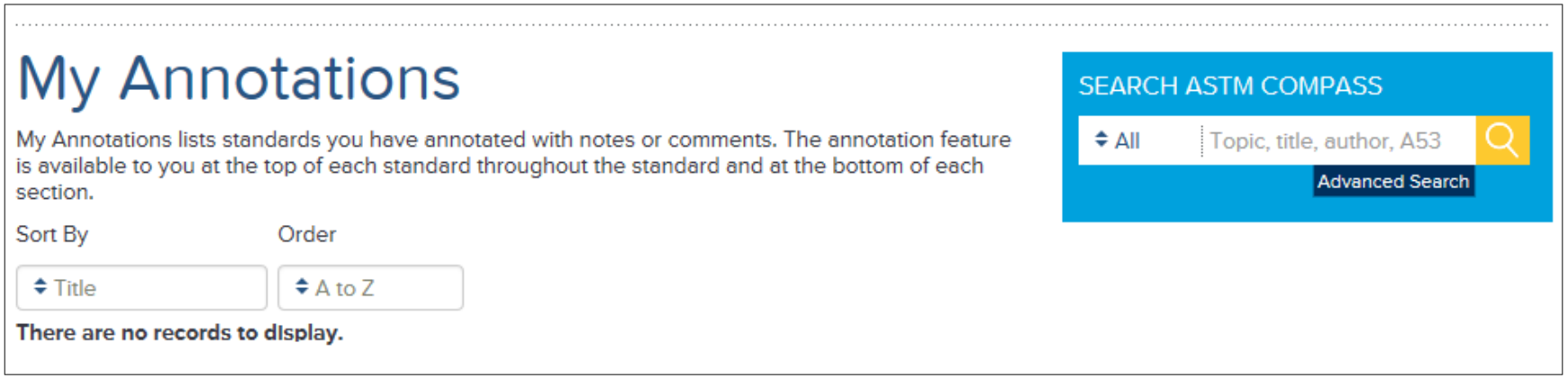

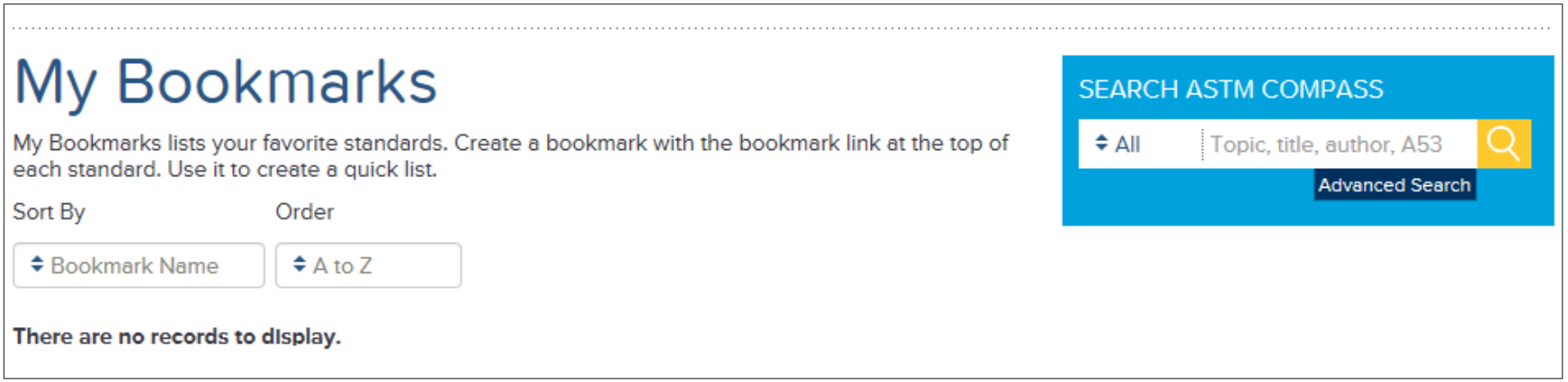

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Esempio di Annotazione

Per ricordarsi perchè è stata utilizzata una specifica norma e aggiugere altre informazioni

DESIGNATION: D5258 - 02(2013)

Standard Practice for Acid-Extraction of Elements from Sediments Using Closed Vessel Microwave Heating[1]

Active Standard ASTM D5258 | Developed by Subcommittee: D19.07
Book of Standards Volume: 11.02

ADD/EDIT ANNOTATION

This standard is issued under the fixed designation D5258; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

In this standard:

Section 1 Scope
Section 2 Referenced Documents
Section 3 Summary of Practice
Section 4 Significance and Use
Section 5 Interferences
Section 6 Apparatus
Section 7 Reagents
Section 8 Hazards
Section 9 Sampling - **ANNOTATED**
Section 10 Vessel Cleaning
Section 11 Procedure
Section 12 Precision and Bias
Section 13 Keywords

9 | Sampling

Previous Next | Top Bottom

9.1 Collect a sediment sample using an appropriate sampling technique.

9.2 Prepare the sediment sample in accordance with Sections 10 and 12 of Practice D3974.

Annotations are good for capturing company specific information.

- Annotation Made By:James Thomas Fri Jan 11 09:48:02 EST 2013

- Annotation Made By:James Thomas Fri Apr 26 14:21:51 EDT 2013

ADD/EDIT ANNOTATION | PRINT SECTION

10 | Vessel Cleaning

Previous Next | Top Bottom

10.1 The manufacturer's recommended cleaning procedure may be followed or the procedure in 10.2 through 10.4 may be used.

10.2 Soak the fluoropolymer vessel parts in cleaning solution at 60°C for 10 min.

10.3 Remove the vessel parts from the cleaning solution and thoroughly rinse the parts with tap water and then with reagent water.

10.4 Allow the vessel parts to air-dry or wipe dry using a clean, soft cloth.

ADD/EDIT ANNOTATION | PRINT SECTION

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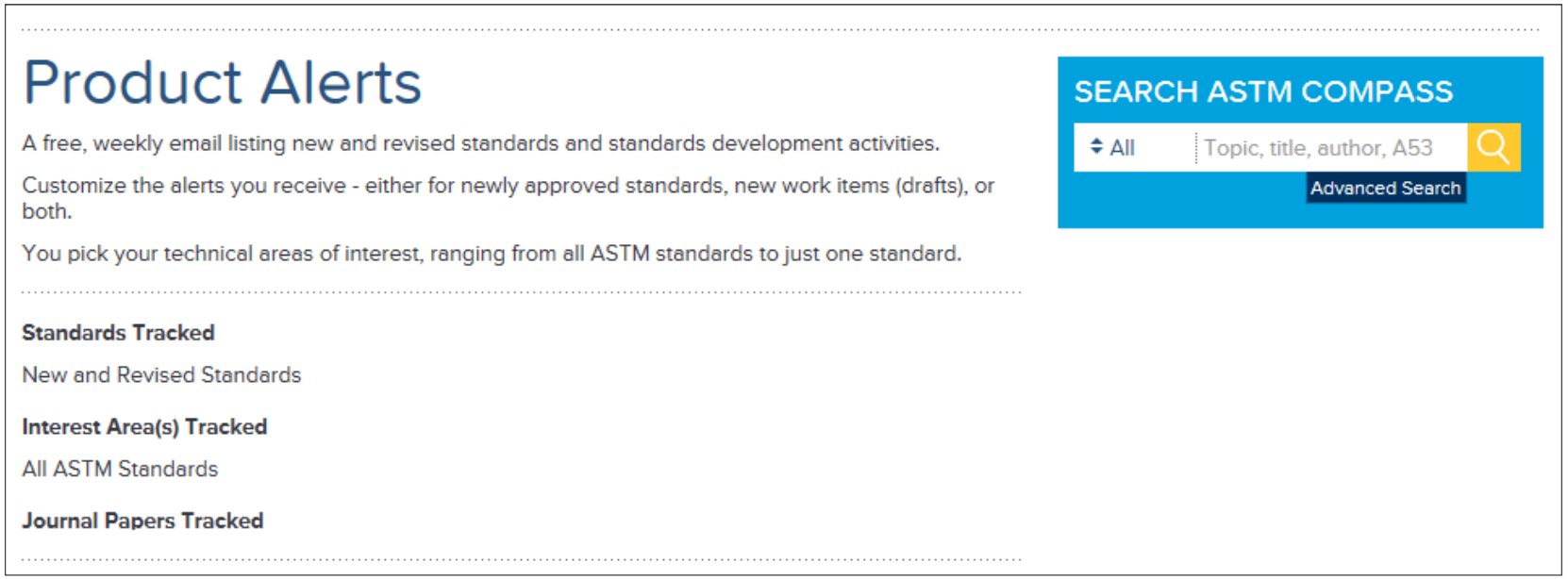

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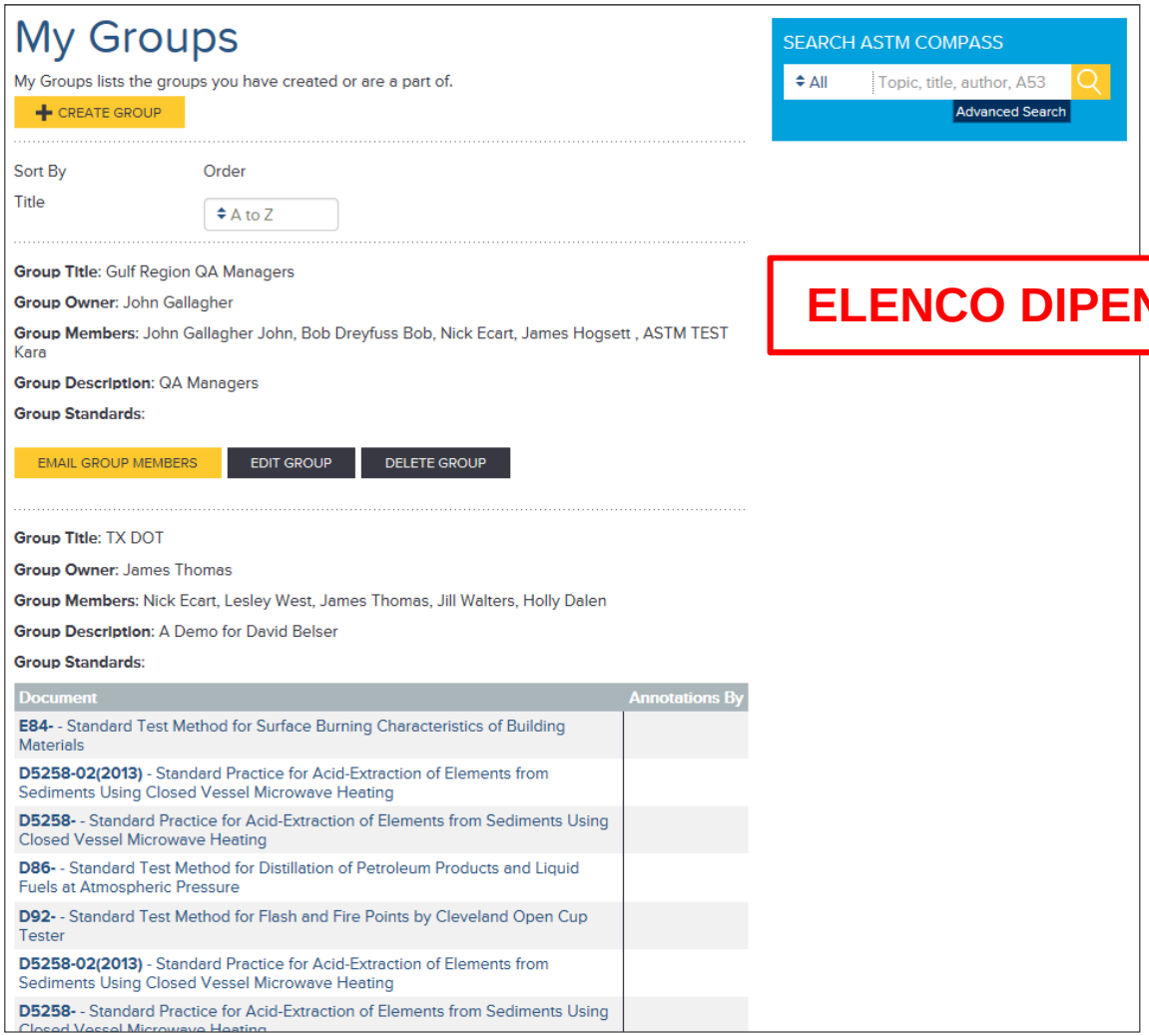

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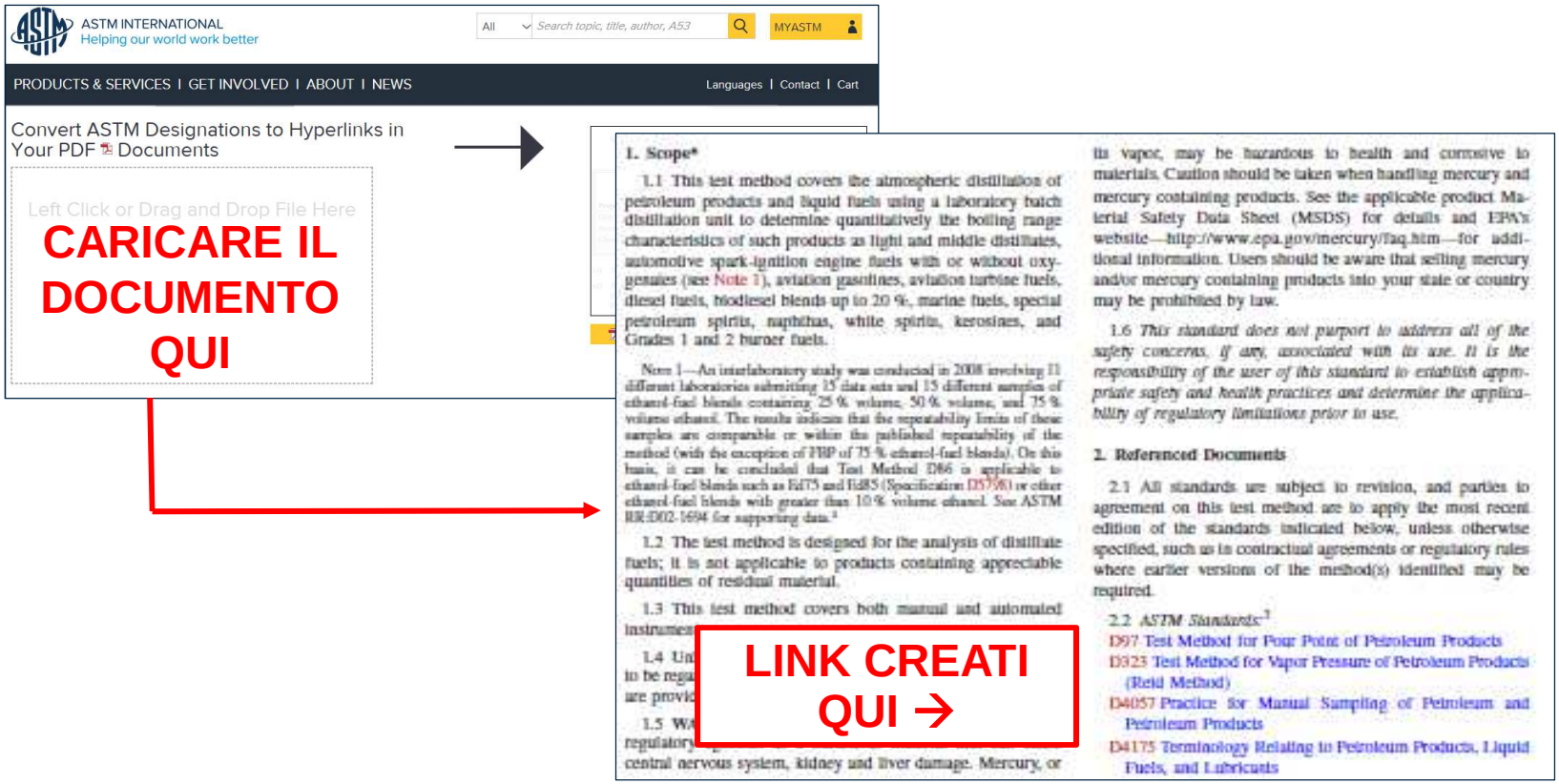

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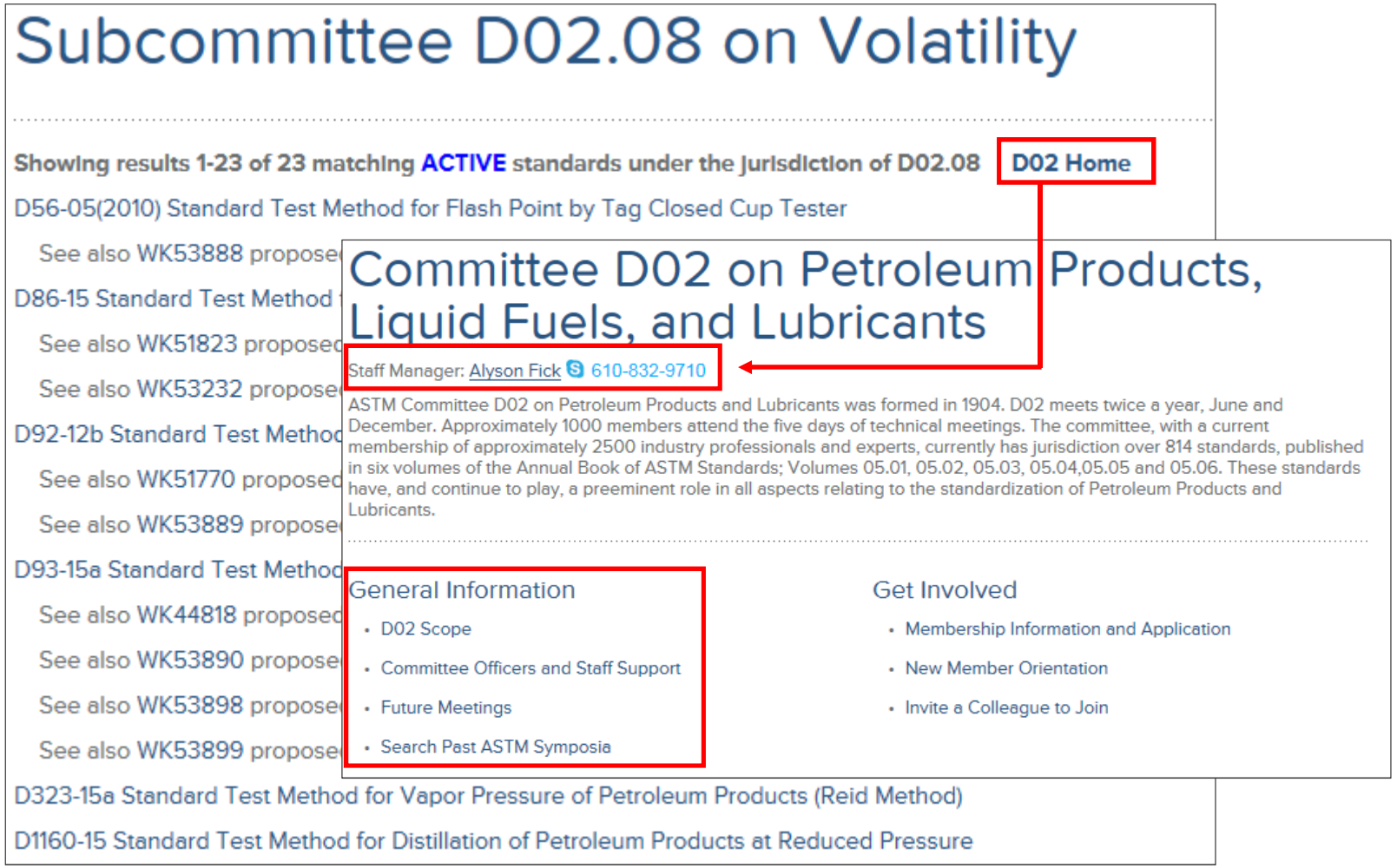

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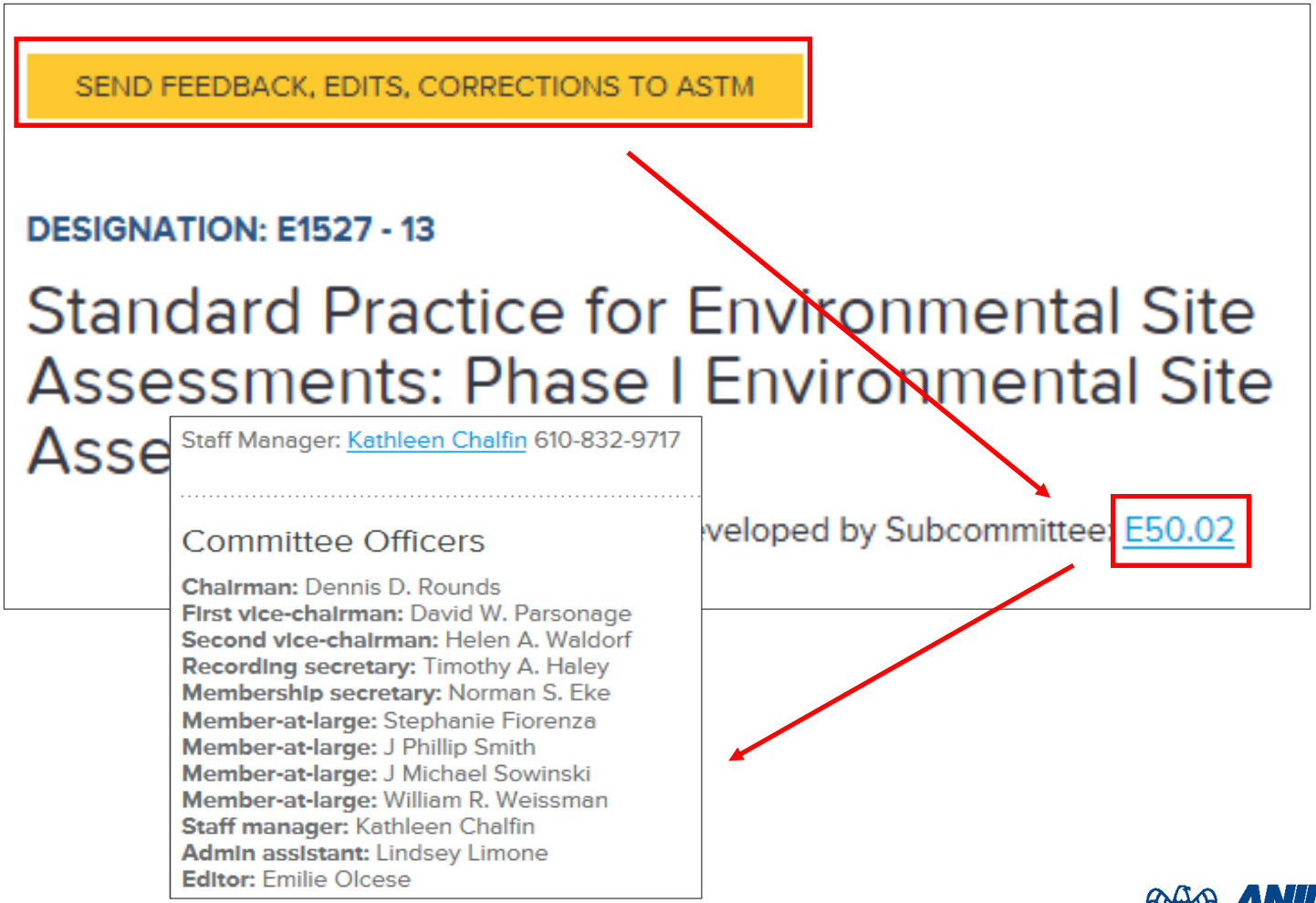

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This abstract is a brief summary of the referenced standard. It is informational only and not an official part of the standard; the full text of the standard itself must be referred to for its use and application. ASTM does not give any warranty express or implied or make any representation that the contents of this abstract are accurate, complete or up to date.

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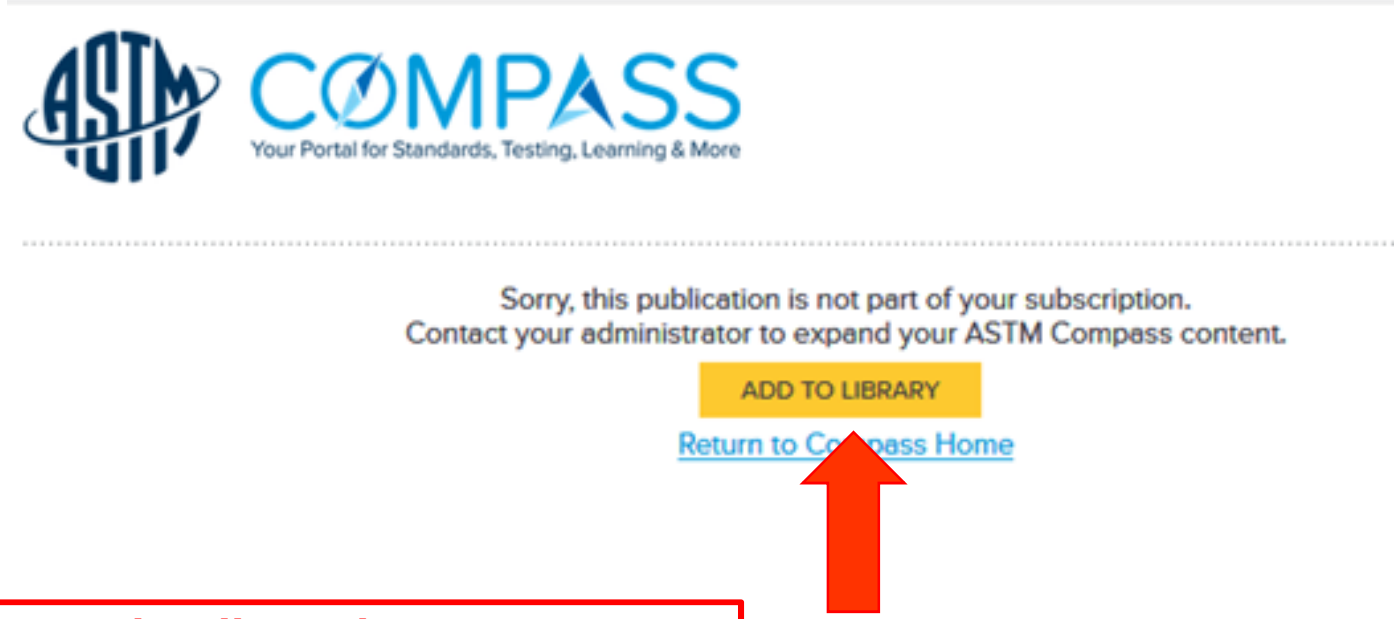

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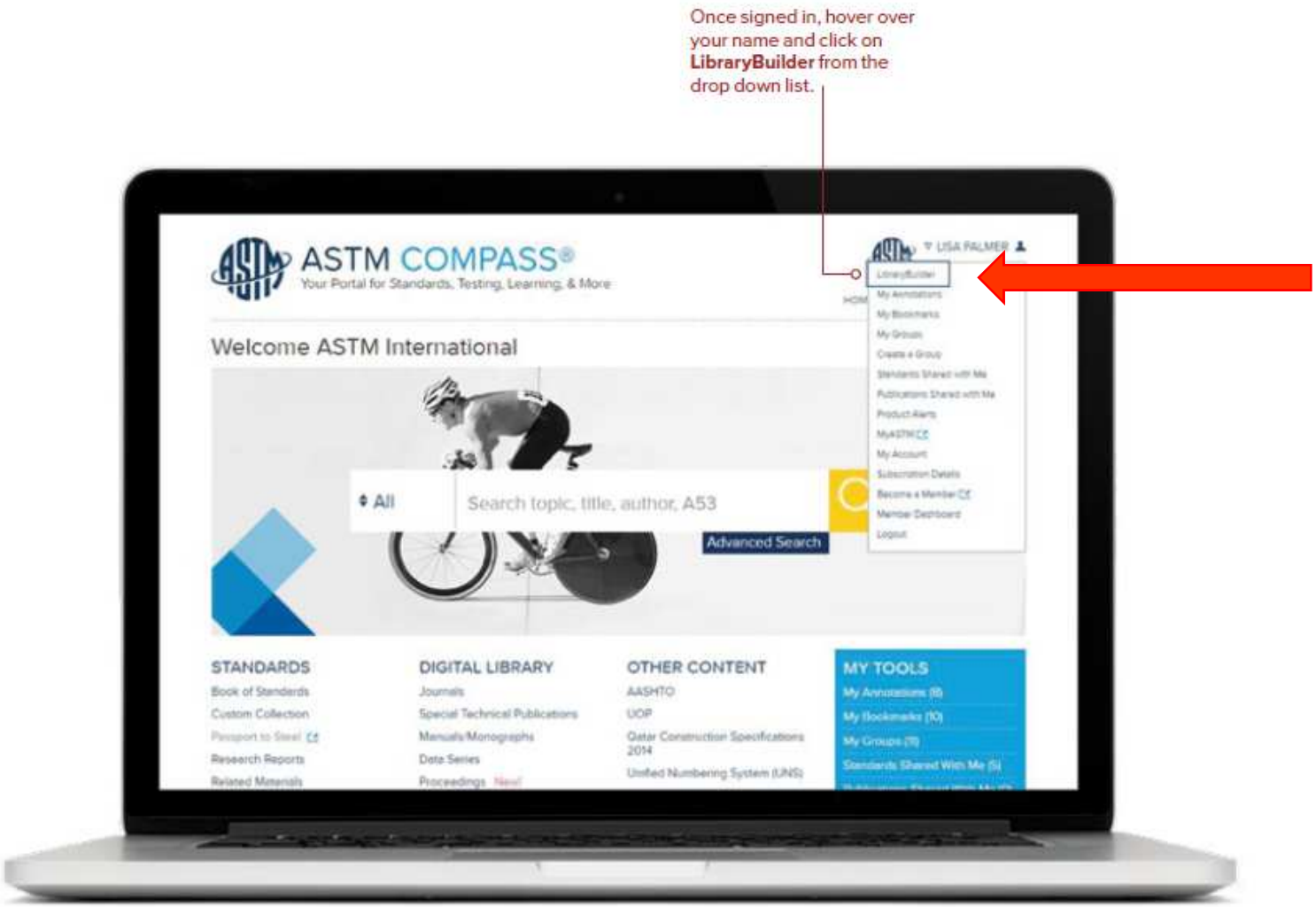

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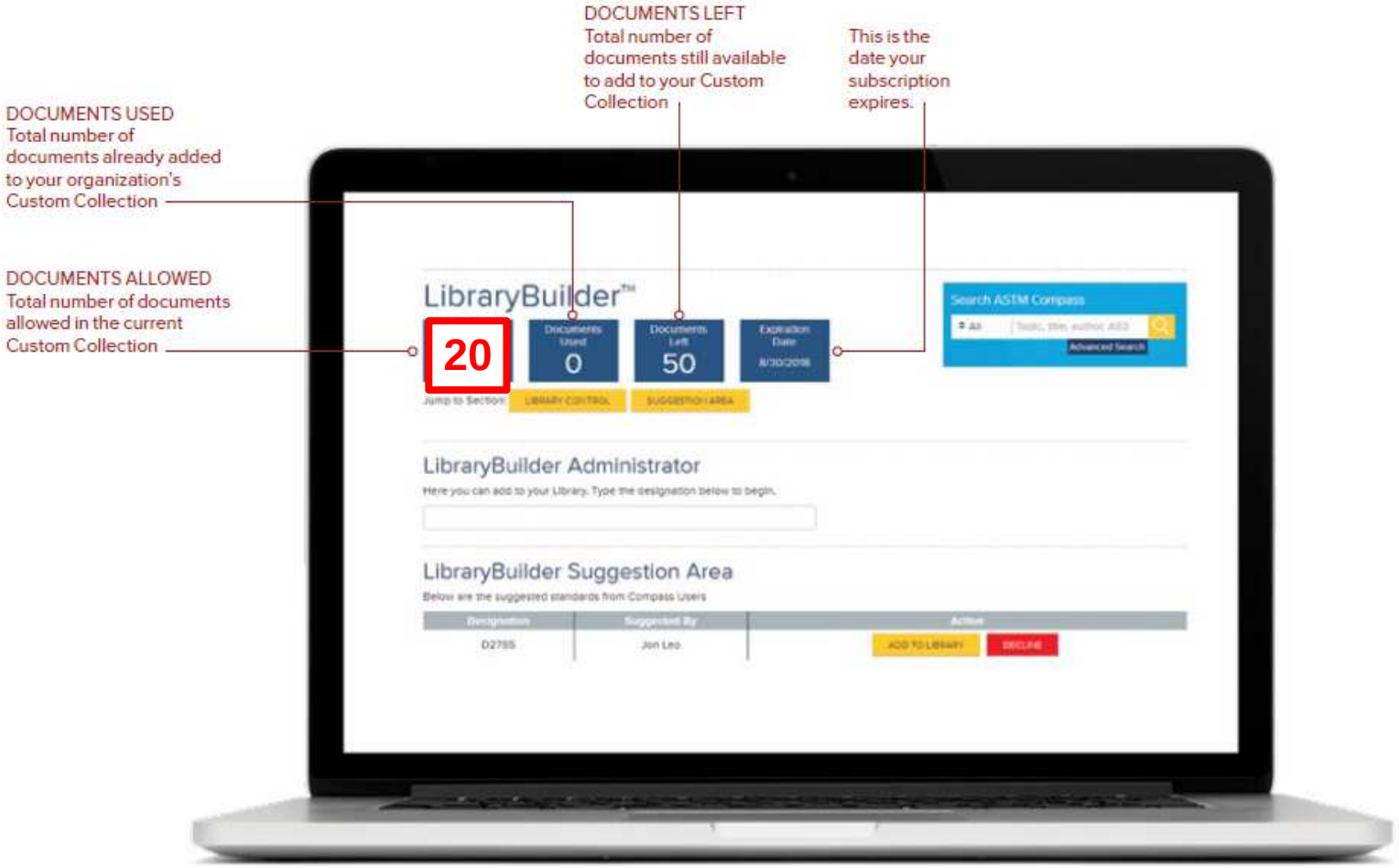

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