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Editorial Module: Process of Developing and Revising a Standard

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Objective

- New Standard Activity
- Work Items
- Development Tools
- Writing Tools
- ASTM Standard
- Revisions
- Review
- Publication

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Standard Activity

- Developing a new standard
- Review an existing standard
- Revising an existing standard

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Work Items

- Authorization is required, either from Subcommittee Chair or Subcommittee Members at a meeting
- Register Work Item at www.astm.org
  - ✓ New Standard - Title, Scope, Keywords
- Provides tracking number & required for balloting, example, WK89005
- An email with a link to the WORD version of the standard will be sent to the technical contact when revising an existing standard.

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Work Item Summary

ASTM WK89031

Revision of E119-22 Standard Test Methods for Fire Tests of Building Construction and Materials

Active Standard: E119-22

Developed by Subcommittee: E05.11 | Committee E05 | Contact Staff Manager

MORE E05.11 STANDARDS | RELATED PRODUCTS | COPYRIGHT/PERMISSIONS

WK89031

Rationale

The purpose of the balloted item is to supplement Table X1.1 Standard Time-Temperature Curve for Control of Fire-Resistance Tests in Appendix X.1 with a set of analytic equations that can be used to calculate the standard furnace temperature as a function of time. These equations are easier to use in structural fire modeling than the tabulated time-temperature values in Table X1.1.

Work Item Status

Date Initiated:
12-21-2023

Technical Contact:
Marc Janssens

Item:
001

Ballot:
E05.11 (24-01)

Status:
Item Removed from Ballot

Standard Development Tools

- Writing Resources
  - ✓ Draft Templates
  - ✓ Developmental Editing (Up-front Editor)
- Collaboration Area
- Virtual Meetings

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Collaboration Area/Virtual Meetings

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WRITING RESOURCES

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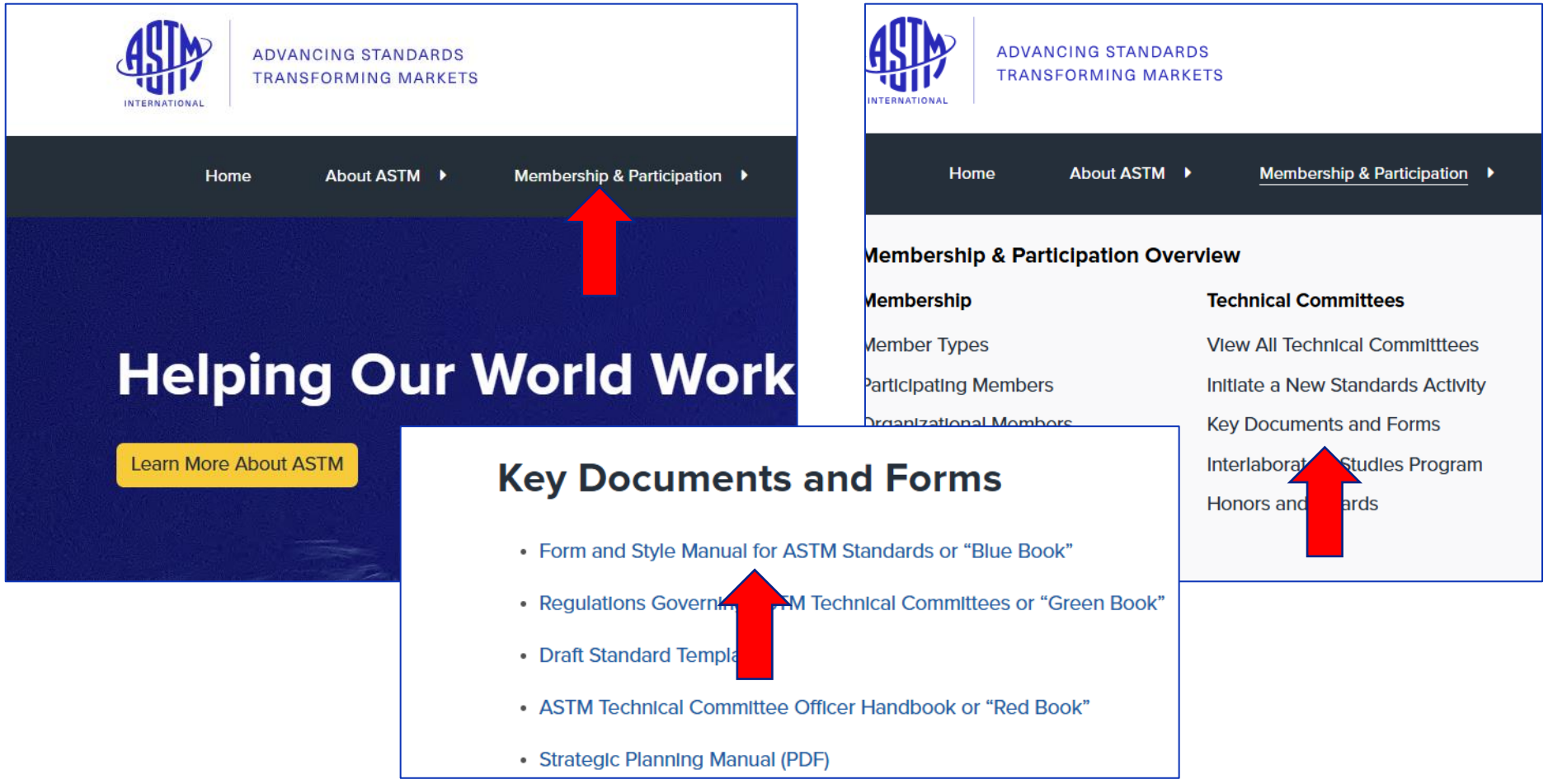
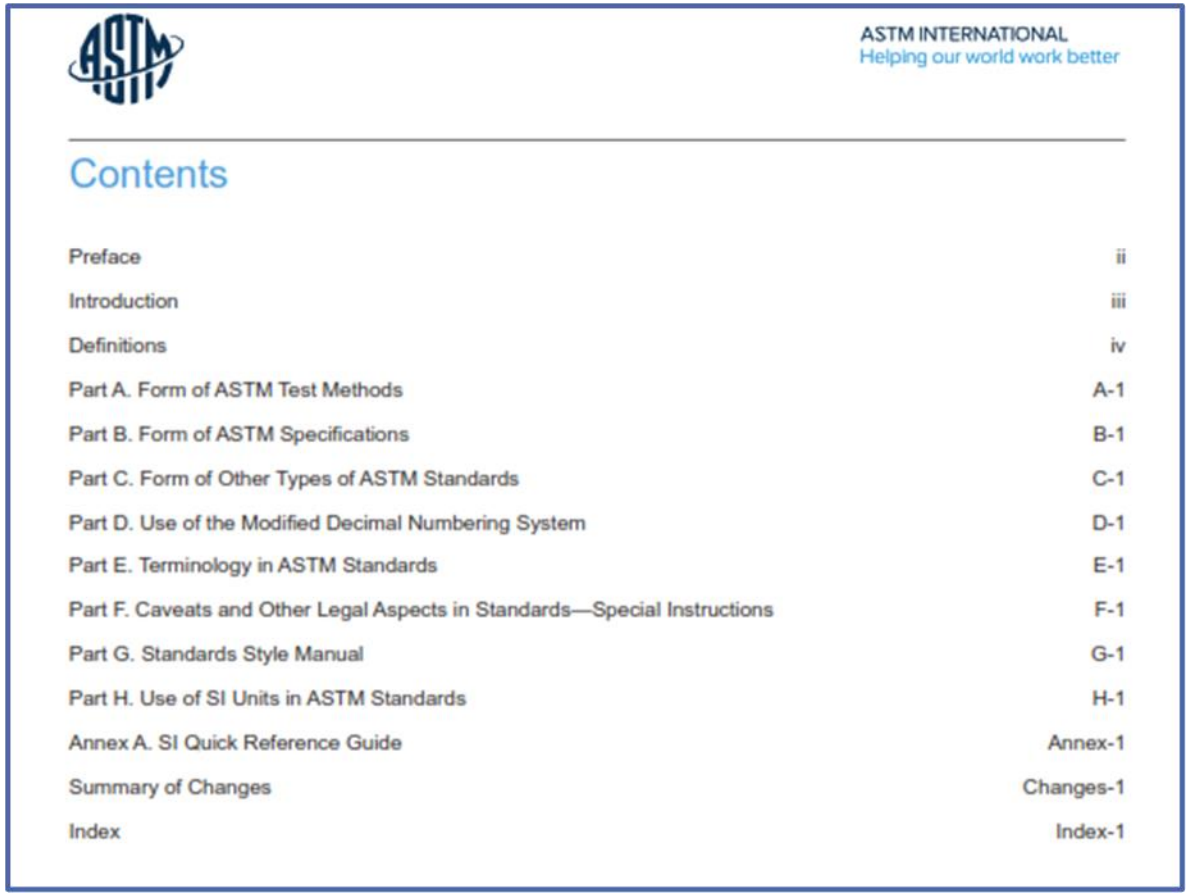
Form and Style Manual



The Form and Style for ASTM Standards

Why Form and Style?

- The manual is the basic textbook for anyone writing an ASTM standard.
- The purpose of this manual is to promote uniformity of form and style in ASTM standards.
  - ✓Such uniformity is desirable because it helps the user of the standard to find what is needed more easily and to understand what is read more quickly.



ASTM INTERNATIONAL
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Contents

Parts A through C

- A study of Parts A, B, C, or E will show the proper form for the principal types of standards (Test Methods, Specifications, Guide/Practice, and Terminology) along with a detailed explanation of what should be included, and guidance on how best to build a standard.
  - ✓ Within Parts A, B, C, and E, the first section lists the preferred sequence of headings and indicates whether these sections are mandatory. The headings identified as “mandatory” are required.

Parts D and F

- For easy reference purposes, each paragraph in an ASTM standard shall be numbered. The modified decimal numbering system is explained in Part D.

- Part E on Terminology gives instructions for preparing a technical standard's definitions as well as how to format a committee's main terminology standard.

- Special instructions concerning patents, use of trademarks, open-end agreements, fire standards, and other legal issues are given in Part F.

Part G

- Part G is a detailed Style Manual and is what your committee editor refers to most while editing the standard.
- Included in the section are:
  - ✓Standard abbreviations and unit symbols for use in standards.
  - ✓ Information on grammatical corrections:
    - Capitalization
    - Hyphens
    - Italics
    - Spelling

Part G

- Also included in the section are:
  - ✓Instructions on Referencing:
    - Standards
    - Papers and Other Documents
    - Trademarks
  - ✓Directions for Formatting:
    - Figures
    - Tables
    - Footnotes
    - Mathematical Material
    - Numbering

Part H and Annex A

- ASTM policy is that SI units be included in all standards.

- Part H is included to aid the standards writer in incorporating these units correctly.
  - ✓ It is the technical committee's decision whether SI or other units are the preferred unit of measurement used in the committee's document. When SI and non-SI units of measurement are contained in a document, the order in which they appear is determined by that committee.

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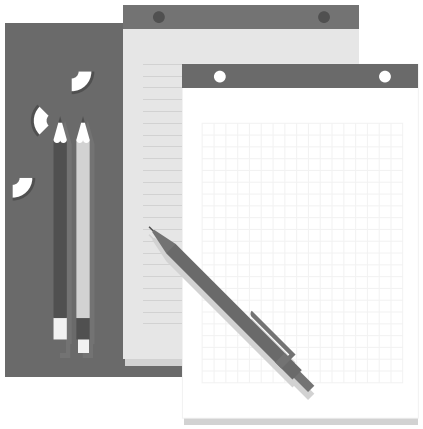
Submit Your Draft in Word

Ballot

TCO takes your WORD file and converts it to PDF for the ASTM website online balloting area.



Development

Developmental editor works directly with you in WORD to develop your draft.

Edit/Conversion

The committee editor converts the WORD file into XML (Extensible Markup Language) for composition and electronic publishing purposes.

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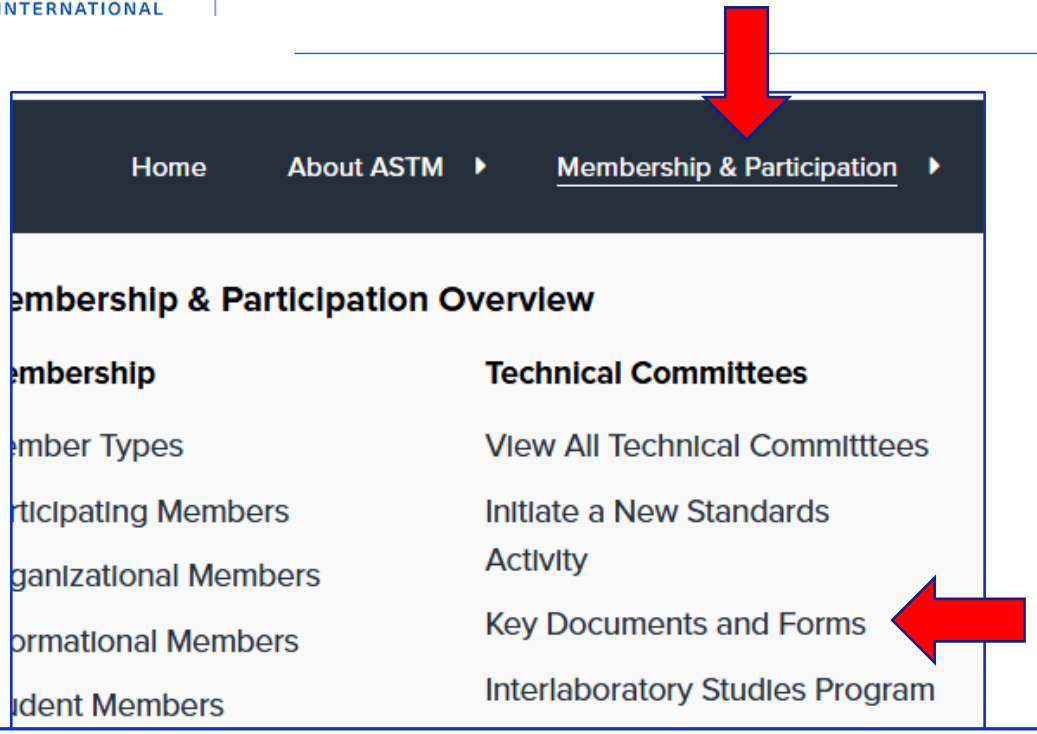
ASTM Draft Standard Templates



Key Documents and Forms

- Form and Style Manual for ASTM Standards or “Blue Book”
- Regulations Governing ASTM Technical Committees or “Green Book”
- Draft Standard Templates
- ASTM Technical Committee Officer Handbook or “Red Book”

Draft Standard Templates

Important: Please read Download Information and Template Features before using Templates.

- Test Methods
- Specifications
- Guides/Practices
- Classification
- Terminology

Support Documents Template

- Research Report

Help

- Template Features
- *The Form and Style for ASTM Standards* or "Blue Book"

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ASTM Draft Standard Templates

Why use our templates?

- Helps the balloting process go more smoothly
  - ✓Reduces negatives submitted for style issues
  - ✓Line numbering included to help with committee discussions
- Prompts/reminders of sections for each type of standard

ASTM Template Features

- Suggested and mandatory headings are provided; mandatory headings are in RED
- Dialog box prompts to insert Title and Footnote 1
- Ability to insert tables, figures, and equations
- Auto Numbering
  - ✓Will renumber sections and subsections but will not update section references

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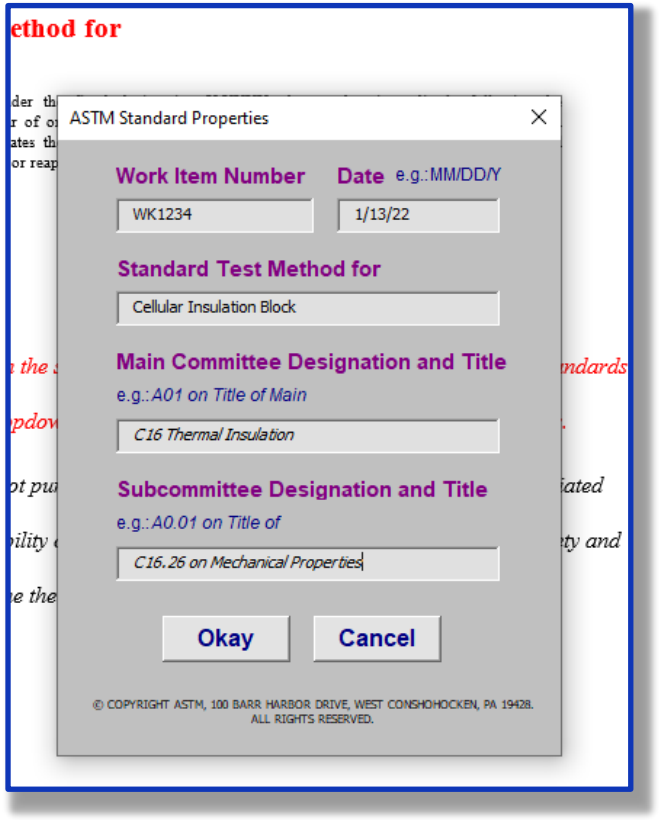
Screen Shot of Template



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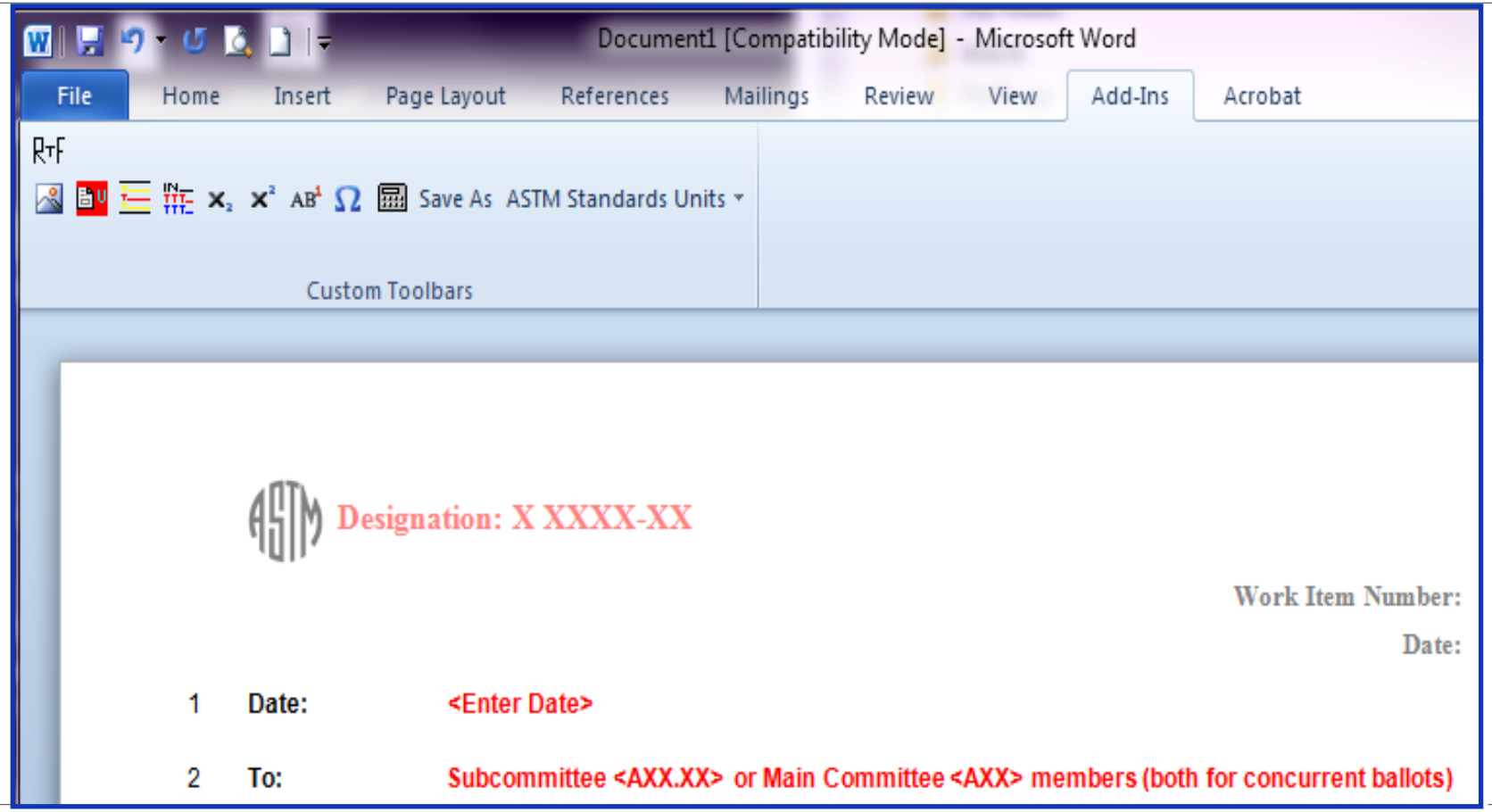
ASTM Template Toolbar



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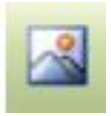
ASTM Template Toolbar



- This button will insert figures into the draft.
  - ✓It will then prompt you to locate the appropriate image file on your computer and the figure will be automatically inserted at the end of the draft.

- This is the Auto Update button. This button initiates an “ASTM Standard Properties” pop-up window that prompts you for the Draft Title, Main Committee Jurisdiction, and Subcommittee Jurisdiction.

- This button creates a table in ASTM's style and inserts it at the end of the draft.
  - ✓If table data has already been completed in another file, the table may be manually inserted or pasted at the end of the draft without using this button.

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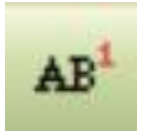
ASTM Template Toolbar

- This button will create an in-text table, in ASTM's style, based on your specifications, and insert it directly after the text that introduces it. This table will NOT have a title or a border.

- These are the Subscript and Superscript buttons, and they are usually used in equations. You would not use these for footnotes.

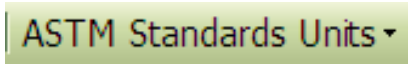


- This is the footnote button. Just click this and the superscript footnote reference will be placed in the text, and you will be directed to the bottom of the page to fill in the appropriate information for the footnote.

ASTM Template Toolbar

➢This is the Insert Symbol button, which will enable you to add Greek letters and mathematical symbols into equations and text.

➢This is the Insert Equation button, which will prompt you to insert an equation and number it correctly for you.



➢This is the ASTM Standard Units button, which will enable you to place the correct Form and Style Units statement into your standard. Place your cursor in the Scope and then click on the button and select the statement you require from the drop-down menu. The unit statement will overwrite the explanatory statement.

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Developmental Editing (Up-front Editor)

- If you have questions while drafting a standard, contact the developmental editor.

- Developmental editor can be reached by phone or e-mail.
  Kathleen Peters, kpeters@astm.org or 610-832-9650

- Developmental editor can help you with:
  - ✓ Answering questions about the Form and Style for ASTM Standards and how to apply our style to standards
  - ✓ Questions regarding our templates
  - ✓ Upfront editing of new, revised, reinstated standards
  - ✓ Assisting with artwork issues

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Figures and Artwork

- Submit clean, readable figures
  - ✓ If revising an existing figure for ballot, submit changes to our Developmental Editor
- TIF, JPG & AUTOCAD formats are acceptable
  - ✓ The graphics department will work with what you have

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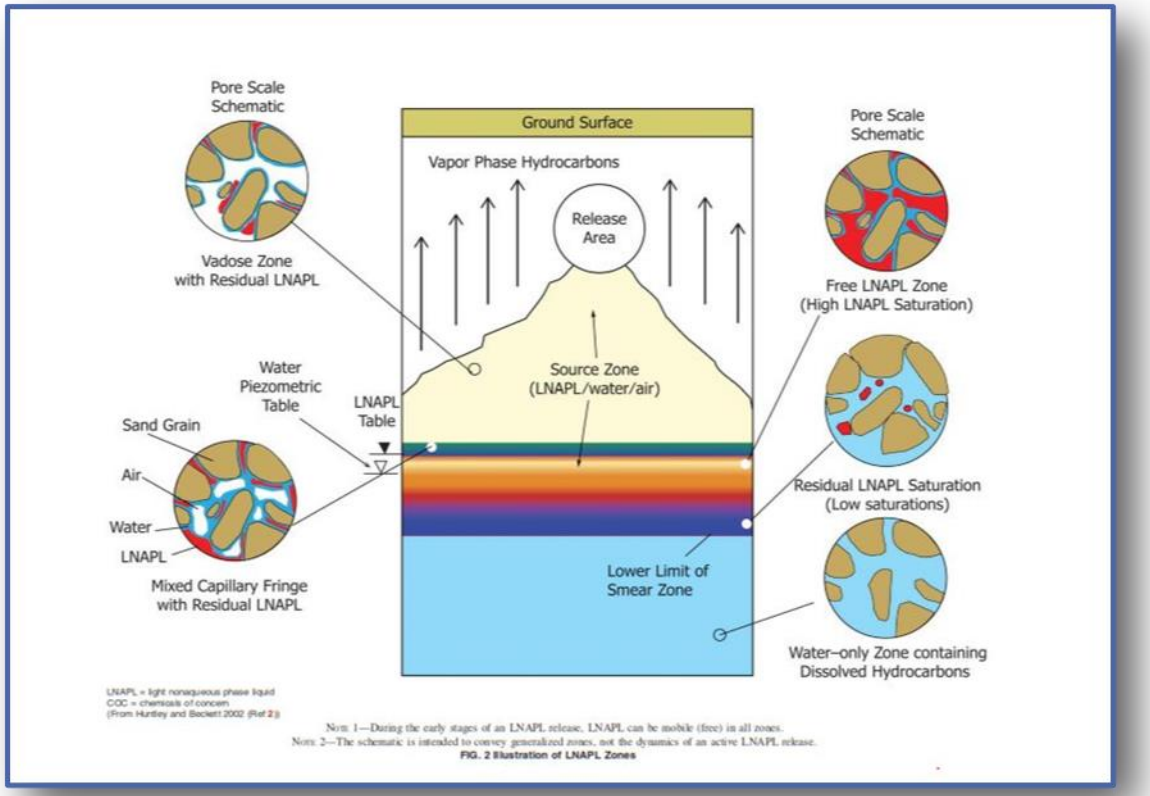
Figures and Artwork

- Color Figures
  - ✓PDF Downloads
  - ✓Online Volumes
- SVG Figures
  - ✓Searchable
  - ✓Expandable



BALLOTING

Balloting

- ASTM has three levels of balloting:
  - ✓ Subcommittee
  - ✓ Main Committee/Concurrent
  - ✓ Society
- Ballots are open for a minimum of 30 days, all ballots are done online
- Negatives and Comments received during the ballot
- Separate session on Balloting & Handling Negative Votes

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Electronic Revision Preparation

- Always keep a clean copy of standard
- Determine if entire document is to be balloted, or just sections
- Consider how much context is needed for a revision to make sense to the voter
- Use Track Changes to make revisions

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Example of Revision on Ballot

Designation: F3219 – 19

ITEM 1

Date: February 16, 2024

To: Subcommittee F17.65

Tech Contact: John Kurdziel (260-409-5218)

Work Item #: WK89684

Ballot Action: Revision of F3219

Rationale: ASTM F2764 and F2881 have updated their material and density requirements to permit the use of modifiers and process aids. This standard has the same material compound properties as these two other polypropylene standards, which are for sanitary and storm sewer applications, respectively. This revision to this land drainage standard will align it with those two other higher application standards.

Standard Specification for

3 to 30 in. (75 To 750 mm) Polypropylene (PP) Corrugated Single Wall Pipe and Fittings[1]

This standard is issued under the fixed designation F3219; 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.

5. Materials

5.1 *Polypropylene*—Polypropylene compounds used in the manufacture of corrugated single wall pipe shall have the minimum properties as shown in Table 1. Polypropylene compounds shall be comprised of the base polypropylene virgin material and all additives, colorants, process aids, modifiers, UV inhibitors, and stabilizers. Polypropylene compounds can be pre-compounded or made in-situ during pipe extrusion by combining natural polypropylene material with a color masterbatch or other additives, or both. Conditioning, sampling, preparation and testing of molded specimens shall be in accordance with the requirements in Specification D4101. Material for preparation of molded specimens shall be taken from the pipe. Compounds that have a higher cell classification in one or more performance properties shall be permitted provided the density of the ~~base resin~~ final formulation shall not exceed ~~0.0343 lb/in.^{3} (0.950 g/cm^3)~~ 0.0509 lb./in^3 (1.410 g/cm^3) and all other product requirements are met.

TABLE 1 Polypropylene Compound Properties

Property	ASTM Test Method	Units (SI Units)	Minimum Value
Melt Flow Rate (at 446°F (230°C))	D1238	g/10 min	0.15
Density	D792, D1505	lb/in^3 (g/cm^3)	0.0325 (0.900)
Tensile Strength at Yield	D638	psi (N/mm^2)	3500 (24.1)
Elongation at Yield	D638	% (%)	5 (5)
Flexural Modulus (1% secant)	D790	psi (N/mm^2)	175,000 (1200)
IZOD Impact Strength (73°F(23°C))	D256	ft-lb/in (J/m)	8 (427)
Oxidative-Induction Time (392°F (200°C))	D3895	min	25

5.2 *Color and Ultraviolet (UV) Stabilization*—The pipe shall be colored or black. Black polypropylene compounds shall have between 2.0 and 3.0 percent carbon black when tested in accordance with the procedures in Test Method D4218 or in combination with D5630. Colored polypropylene compounds shall be protected from Ultraviolet (UV) degradation with UV stabilizers. Colored polypropylene compounds shall contain sufficient UV protection to allow pipe made according to this standard to be stored outdoors for at least two years from the date of manufacture without degradation of the stated properties.

While the Standard is Balloting

- Your committee editor begins the editing process, which includes:
  - ✓ Typesetting/converting Word document to XML
  - ✓ Ensuring the standard matches balloted draft
  - ✓ Scanning and placing artwork

- Ensuring that sections, tables, and figures are cited and numbered correctly:
  - ✓ This includes checking that sections and cross-references are correct (for example, See Table 1)

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While the Standard is Balloting

The Editor will also:

- Verify titles of ASTM standards in the Referenced Documents section and confirm that they are all cited in the text

- Ensure conformance with Part G on Style, including:
  - ✓ Confirming that all mandatory sections are included and in the correct order
  - ✓ Reviewing supplier footnotes for compliance with Part F

- Check for general page layout, including:
  - ✓ Table and Figure placement
  - ✓ Excessive white space on each page

Typical Corrections

- Grammar
- Typographical errors
- The editor will ensure that:
  - ✓ Certain formats or spellings appear consistently throughout the standard
  - ✓ Trademarked terms are replaced with generic terms (for example: “Pyrex” becomes “borosilicate glass”)
  - ✓ Technical terms are spelled in accordance with Form and Style for ASTM Standards. A list of preferred spelling can be found in Part G

Editorial versus Technical Changes

- Editorial changes do NOT change the meaning or intent of a standard and do NOT require balloting.
  - ✓ Changes can be made during review process
- Technical changes do CHANGE the meaning or intent of a standard and REQUIRE balloting.
  - ✓ Changes must be made on the next ballot

Editorial Change Examples

- Address changes for referenced organizations, sole sources of supply, etc.
- Misspelled words
- Minor text edits that improve readability but do not change the content
- Update titles of standards (ASTM and others)

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Technical Change Examples

- Changing permissive language to mandatory language: For example, may to shall
- Text edits that change the intent of standard
- Changing a single units of measurement standard to a dual measurement standard. For example, SI units only to Combined SI/Inch-Pound units
- Changing values in tables and equations (unless supported by existing balloted text)

REVIEW & PUBLICATION

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Item Receives Approval

- An item will receive official Society approval on the 1st or 15th of the month.

- Once an item receives Society approval:
  - ✓ The editor is notified
  - ✓ The editor prepares the standard for review by the technical contact listed on the ballot
  - ✓ If editorial changes were provided during the balloting process or as the result of negative vote resolution, the editor includes those changes in the standard sent for review

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Review Process

- The editor e-mails a licensed PDF and redlined PDF of the standard for review.
  - ✓This redline is not an ASTM standard and is intended only to provide the user of an ASTM standard an indication of what changes have been made to the previous version. In all cases only the current version of the standard as published by ASTM is to be considered the official document.

- This email:
  - ✓Will provide a PDF of the ballot item
  - ✓Will include any questions or comments from your editor

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Reviewer's Checklist

- The reviewer should ensure that all balloted information appears correctly in the printed standard

- Address any questions the editor may have posed in the review email or on the review PDF

- Typical questions include:
  - ✓ Citation of Referenced Documents in the text
  - ✓ Addition of Keywords
  - ✓ References to numbered sections that don't appear in the text

- The reviewer should respond to the editor by the stated deadline. This ensures the timeliest publication of the new standard. Contact the editor immediately if an extension is needed.

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Final Publication

- Editor sends final approved standard to ASTM website team
  - ✓ No further changes can be made to this version of the standard, unless an epsilon is issued, or the standard is balloted again.
- Within several days, the standard is available on the website and on Compass
  - ✓ The ASTM Standards Tracker can alert you when it is available.
- The ASTM website will always have the most current version of the standard.
- The printed Annual Book of Standards will contain the standards available at the time of its publication

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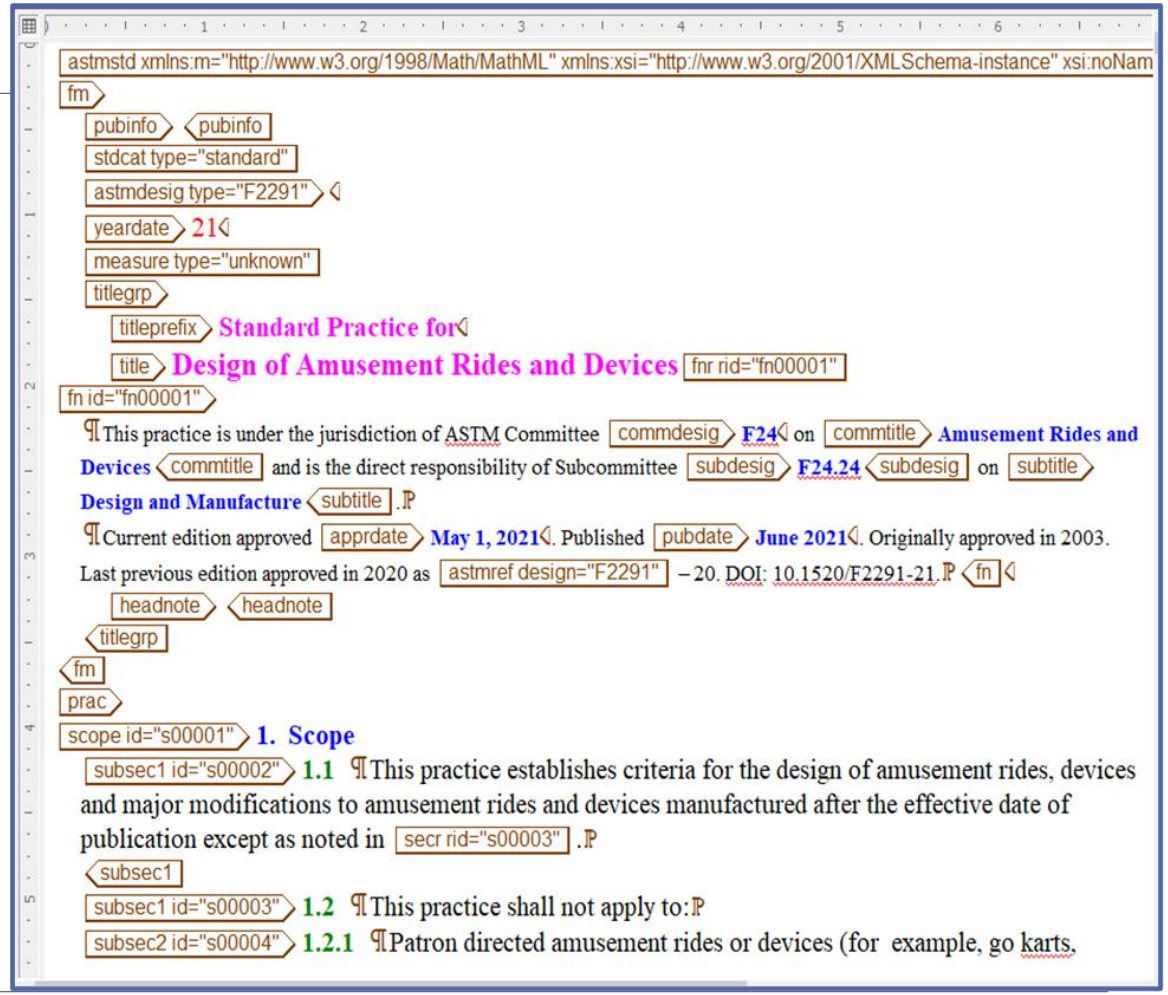
XML and Standard Formats

Why XML?

- XML is the backbone of many features of our standards that make them user-friendly.
- Editing/converting your standard to XML allows us to:
  - ✓Hyperlink figures, tables, and sections within your standard
  - ✓Enables ASTM to highly structure our content so that it is consistent across standards and formats.
  - ✓Provide members and customers with different formats of the standards



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Final Version/PDF

- PDF version is the official version of the standard.
  - ✓Two-column format
- Blue links redirect the user to our website
- Red internal links help with navigation within the document.

This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

Designation: F1334 – 24

Standard Test Method for Determining A-Weighted Sound Power Level of Vacuum Cleaners[1]

This standard is issued under the fixed designation F1334; 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.

1. Scope

1.1 This test method calculates the overall A-weighted sound power level emitted by small portable upright, canister, combination vacuum cleaners, backpack vacuum cleaners, hard-floor cleaning machines, extractors, and central vacuum cleaner motorized nozzles intended for operation in domestic and commercial applications.

1.1.1 To determine the Sound Power Level of a central vacuum at the power unit location refer to Test Method F2544.

1.2 A-weighted sound pressure measurements are performed on a stationary vacuum cleaner, extractor, hard-floor cleaning machine, or backpack vacuum cleaner in a semi-reverberant room. This test method determines sound power by a comparison method for small noise sources, that is, comparison to a broadband reference sound source.

1.3 This test method describes a procedure for determining the approximate A-weighted sound power level of small noise sources. This test method uses a non-special semi-reverberant room.

1.4 Results are expressed as A-weighted sound power level in decibels (referenced to one picowatt).

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

NOTE 1—The F11.21 subcommittee is actively pursuing new market relevant carpets with the assistance of the carpet industry. Although plush and Freize carpet panels are no longer available for purchase, some laboratories may still have samples for testing. In such cases, the table values remain valid.

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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.7 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*[2]

C634 Terminology Relating to Building and Environmental Acoustics
E177 Practice for Use of the Terms Precision and Bias in ASTM Test Methods
E691 Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method
F608 Test Method for Evaluation of Carpet Embedded Dirt Removal Effectiveness of Household/Commercial Vacuum Cleaners
F655 Specification for Test Carpets and Pads for Vacuum Cleaner Testing (Withdrawn 2022)[3]
F2544 Test Method for Determining A-Weighted Sound Power Level of Central Vacuum Power Units
F2607 Test Method for Measuring the Hard Surface Floor-Cleaning Ability of Household/Commercial Vacuum Cleaners

2.2 *ANSI Standards:*[4]

ANSI S1.10 Method for the Calibration of Microphones
ANSI S1.43 Specifications for Integrating-Averaging Sound Level Meters
ANSI S12.51/ISO 3741 Acoustics - Determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms
ANSI S12.53/ISO 3743 Acoustics - Determination of sound power levels of noise sources - Engineering methods for small, movable sources in reverberant fields

[1] This test method is under the jurisdiction of ASTM Committee F11 on Vacuum Cleaners and is the direct responsibility of Subcommittee F11.25 on Sound Measurement.
Current edition approved Jan. 1, 2024. Published February 2024. Originally approved in 1991. Last previous edition approved in 2018 as F1334 – 18. DOI: 10.1520/F1334-24.

[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* volume information, refer to the standard's Document Summary page on the ASTM website.

[3] The last approved version of this historical standard is referenced on www.astm.org.

[4] Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.

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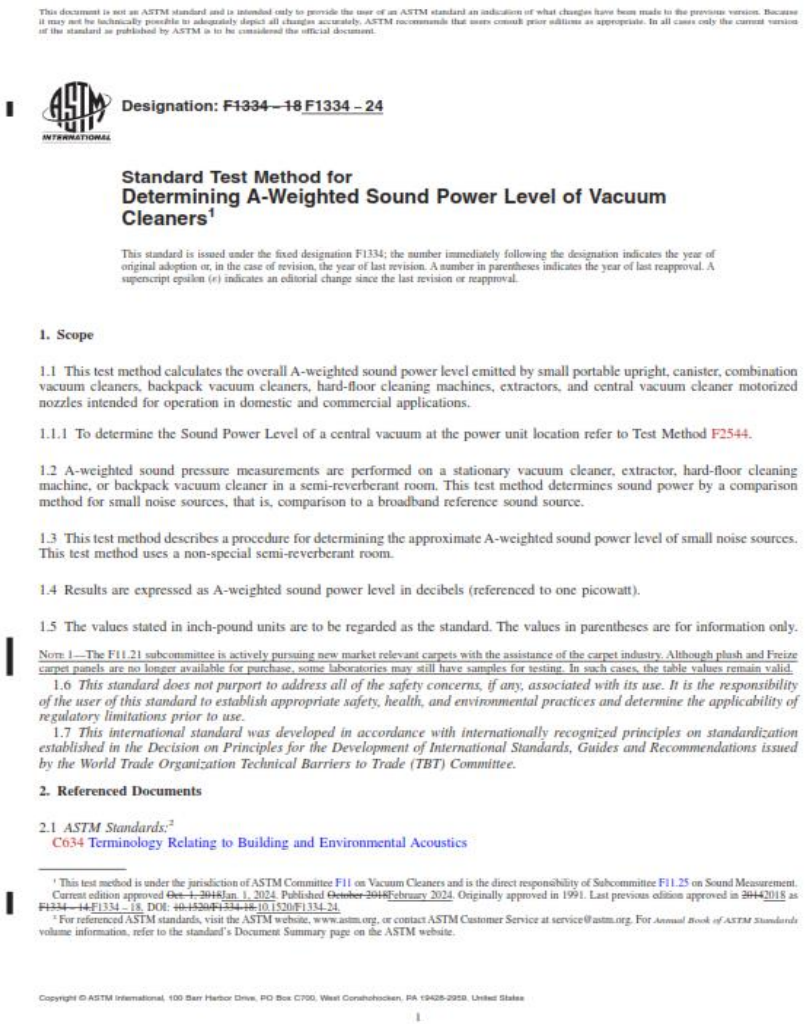
Redline Version

- Sent during review
- Available as a bundled product on the public website
- Available as a feature in Compass
  - ✓In Compass, a version comparison can be generated between non-consecutive versions of a standard.



This document is not an ASTM standard and is intended only to provide the user of an ASTM standard an indication of what changes have been made to the previous version. Because it may not be technically possible to adequately depict all changes accurately, ASTM recommends that users consult prior editions as appropriate. In all cases only the current version of the standard as published by ASTM is to be considered the official document.

Designation: ~~F1334 – 18~~ F1334 – 24

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1.7 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*[2]

C634 Terminology Relating to Building and Environmental Acoustics

[1] This test method is under the jurisdiction of ASTM Committee F11 on Vacuum Cleaners and is the direct responsibility of Subcommittee F11.25 on Sound Measurement. Current edition approved ~~Oct. 1, 2018~~Jan. 1, 2024. Published ~~October 2018~~February 2024. Originally approved in 1991. Last previous edition approved in ~~2014~~2018 as ~~F1334 – 14~~F1334 – 18. DOI: ~~10.1520/F1334-18~~10.1520/F1334-24.

[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* volume information, refer to the standard's Document Summary page on the ASTM website.

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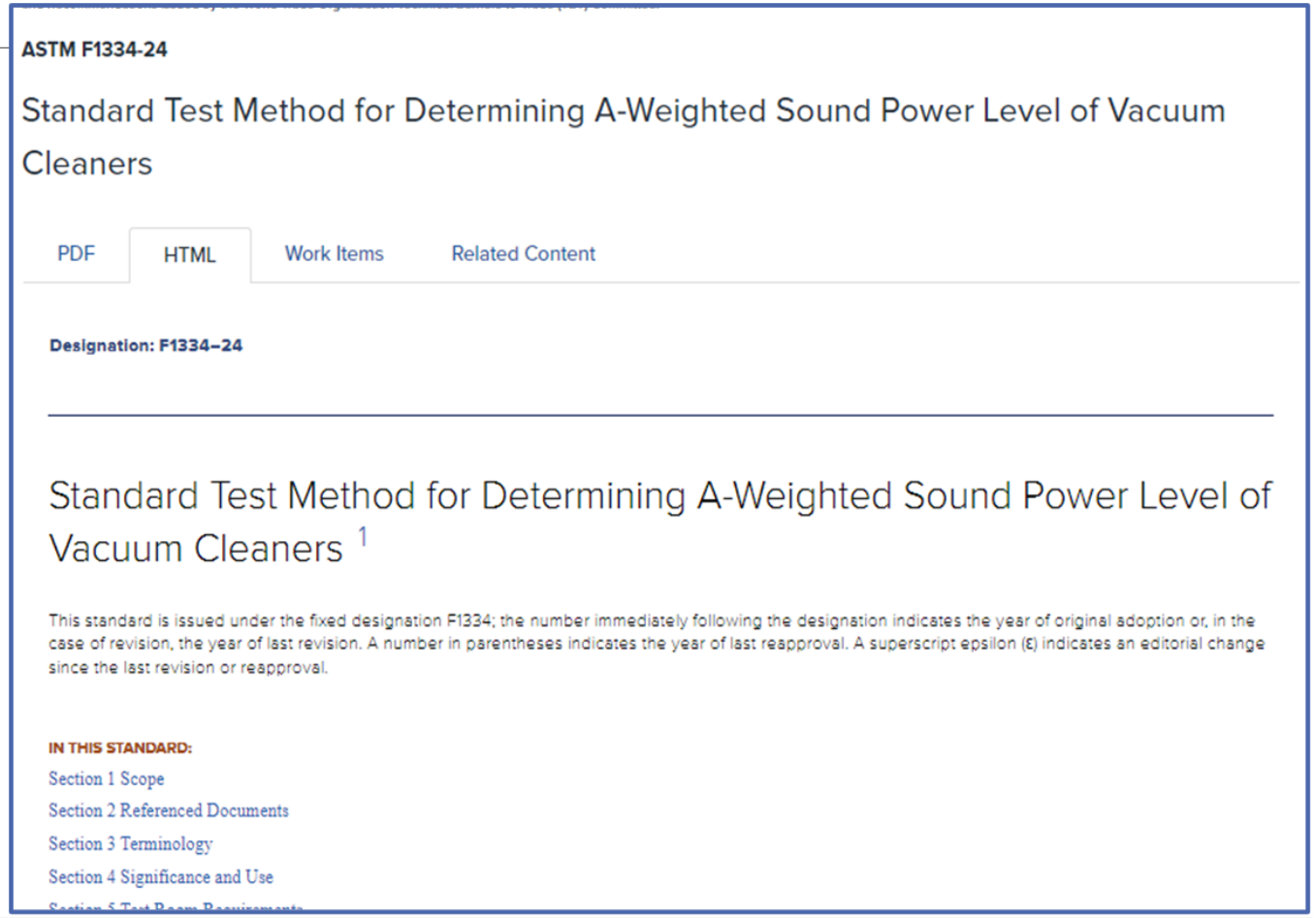
Web Version

- Great for use on mobile devices, while out in the field, or away from the office.
- SVG figures are incorporated
  - ✓These are searchable and don't degrade when expanded.



ASTM F1334-24

Standard Test Method for Determining A-Weighted Sound Power Level of Vacuum Cleaners

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Designation: F1334–24

Standard Test Method for Determining A-Weighted Sound Power Level of Vacuum Cleaners [1]

This standard is issued under the fixed designation F1334; 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.

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Additional Classroom for Member Trainings

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QUESTIONS?

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Thank you for your attention!

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