

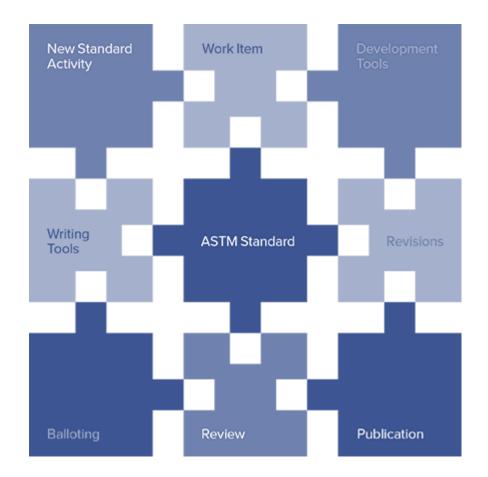
ASTM INTERNATIONAL Helping our world work better

Editorial Module: Process of Developing and Revising a Standard





Objectives





New Standard Activity

- Determine if new standard is needed
- Identify key stakeholders
- Identify Committee and Subcommittee
- Register a Work Item

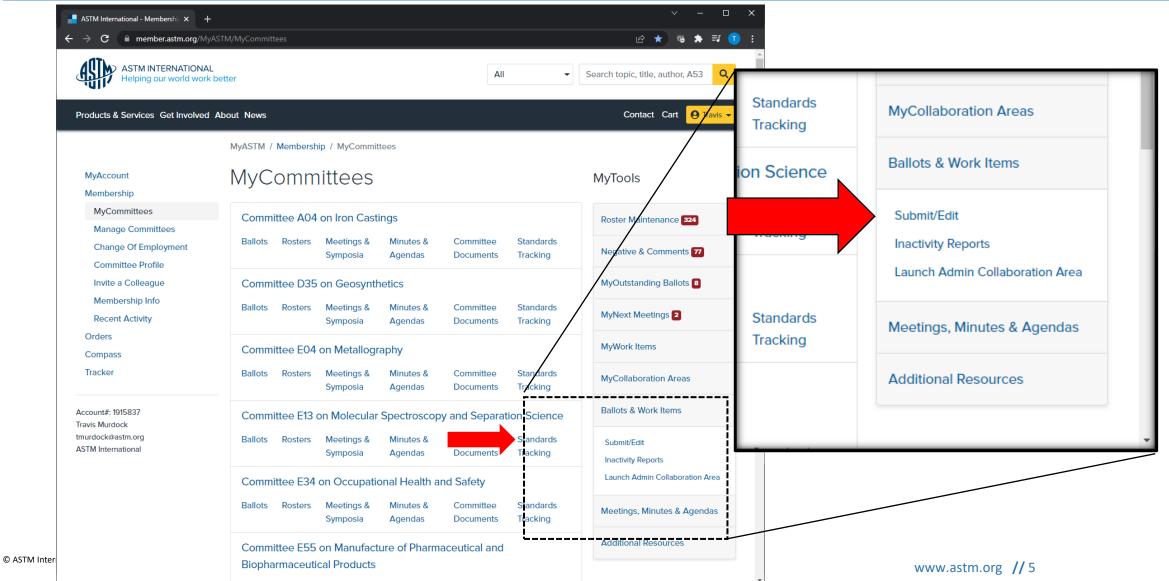


Work Items

- Register Work Item at <u>www.astm.org</u>
- What is needed?
 - ➤ Title
 - > Scope
 - Keywords
 - Target date for first ballot
 - Expected target date for approval
 - Authorization from Subcommittee Chair or Subcommittee Members at a meeting



Registering a Work Item





Registering a Work Item

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ASTM INTERNATIONAL Helping our world work b	petter	All	Search topic, title, author, A53	Q
Products & Services Get Involved	About News		Contact Cart 😝	Travis 👻
	MyASTM / Membership / MyCommittees / Ballots &	Work Items		
MyAccount Membership MyCommittees Manage Committees Change Of Employment Committee Profile Invite a Colleague	ASTM Work Item Regist Item Submittal Choose from the following options: I need to register a Work Item for a Revision or New Work Item registration is not required to submit a R Option 2 - Ballot Item Submittal	v Standard.		jo to
Membership Info Recent Activity Orders Compass Tracker	I need to Submit an Item to Ballot. For Revisions and New Standards, please have a W registration is needed.		Option 1 - Work Item Registration	if WK
Account#: 1915837 Travis Murdock tmurdock@astm.org ASTM International	Continue	Target Date.		

What does a Work Item do?



- Provides tracking number WK25321
- Alerts those on the Standards Tracking Service and those searching the ASTM website
- Stimulates participation from outside of task group



DEVELOPMENT TOOLS



Standard Development Tools



- Virtual Meetings
- Collaboration Area
- Writing Tools
- Draft Templates
- Developmental Editing





- > Online document viewing and editing during the meeting
- Arranged through your Staff Manager or through the MyASTM Section of the website
- Saves time and expenses on meeting face-to-face
- ASTM uses WebEx, an excellent vehicle for these virtual meetings



Collaboration Area

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71844 - WK71844 - Fi	ire Resistance of Geosynthetics	
Collaboration Area Drafts Polls	Discussions Files	
Overview Members History E	Edit Collaboration Area Schedule Online Meeting Sistance of Geosynthetics	





WRITING TOOLS

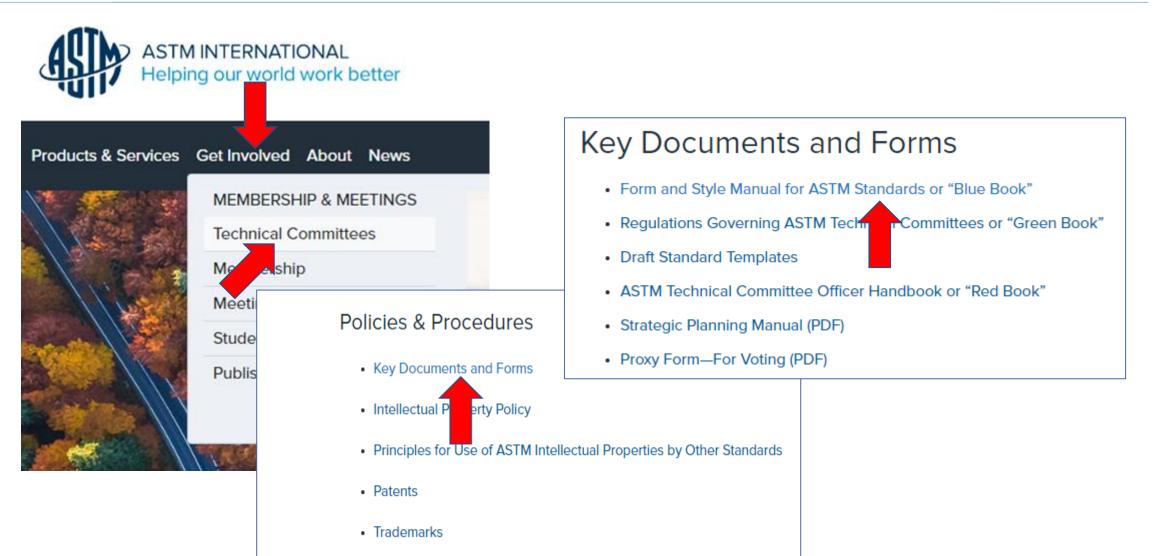
Submit Your Draft in Word



- ASTM requests WORD for balloting purposes.
- TCO takes your WORD file and converts it to PDF for the ASTM website online balloting area.
- Developmental editor works directly with you in WORD to develop your draft.
- Committee editor converts the WORD file into XML (Extensible Markup Language) for composition and electronic publishing purposes.

Form and Style Manual





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Form and Style Contents

Preface

Introduction

Definitions

Part A. Form of ASTM Test Methods

Part B. Form of ASTM Specifications

Part C. Form of Other Types of ASTM Standards

Part D. Use of the Modified Decimal Numbering System

Part E. Terminology In ASTM Standards

Part F. Caveats and Other Legal Aspects In Standards—Special Instructions

Part G. Standards Style Manual

Part H. Use of SI Units In ASTM Standards

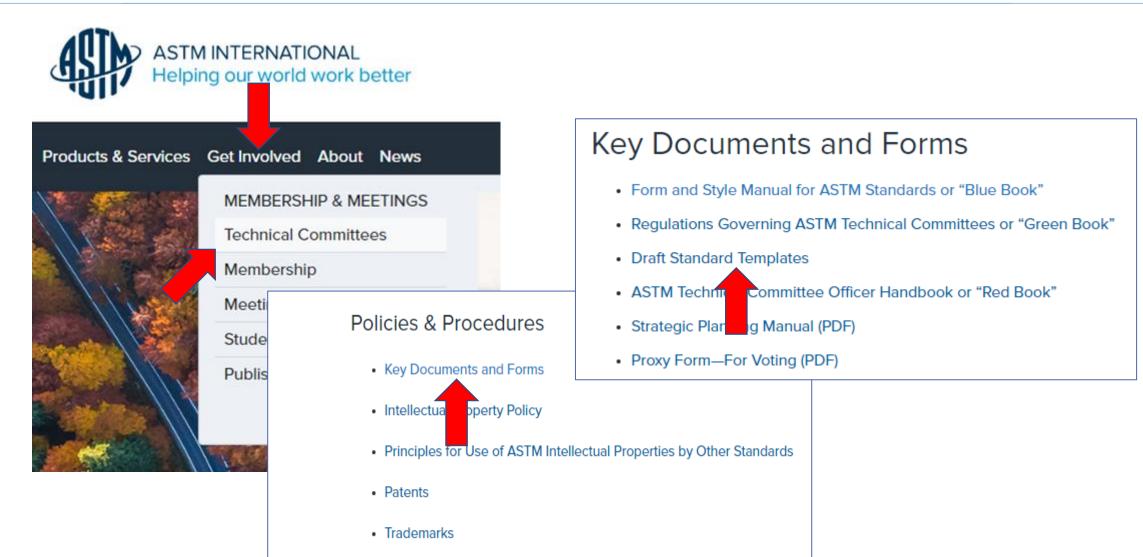
Annex A. SI Quick Reference Guide

Summary of Changes

Index



ASTM Templates



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ASTM Template

- Templates for: Test Method, Specification, Guide/Practice, Classification, and Terminology
- Detailed instructions are provided with the template

Draft Standard Templates
Important: Please read Download Information and Template Features before using Templates.
<u>Test Methods</u>
<u>Specifications</u>
<u>Guides/Practices</u>
<u>Classification</u>
<u>Terminology</u>
Support Documents Template Research Report
Help
<u>Template Features</u>
<u>The Form and Style for ASTM Standards or "Blue Book"</u>



ASTM Template Features

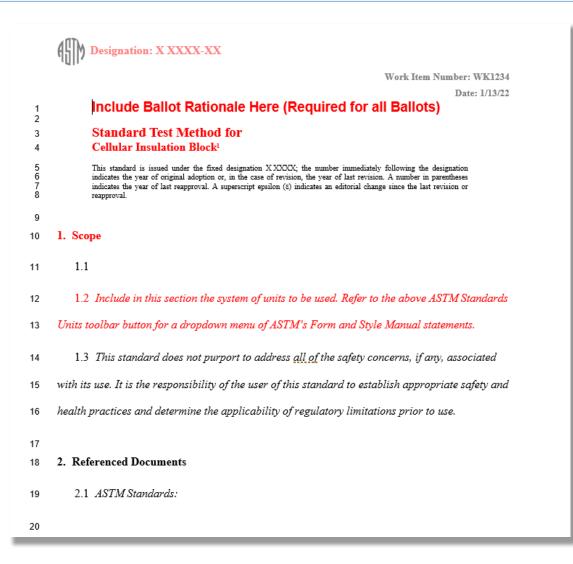
- Suggested and mandatory headings are provided; mandatory headings are in RED
- Dialog box prompts to insert Title and Footnote 1
- > Ability to insert tables, figures and equations
- > Auto Numbering (this is a limited but helpful feature)
- Layout in one column format for ballot/editing purposes



ethod for

der th rofo: A	STM Standard Properties X]
or reap	Work Item Number Date e.g.: MM/DD/Y WK1234 1/13/22	
	Standard Test Method for	
	Cellular Insulation Block	
i the i	Main Committee Designation and Title e.g.: A01 on Title of Main	ndards
ot pui	C16 Thermal Insulation Subcommittee Designation and Title	iated
vility (e.g.: A0.01 on Title of C16.26 on Mechanical Properties	rty and
ie the		
	Okay Cancel	
	© COPYRIGHT ASTM, 100 BARR HARBOR DRIVE, WEST CONSHOHOCKEN, PA 19428. ALL RIGHTS RESERVED.	







17

18 2. Referenced Documents

- 19 2.1 ASTM Standards:
- 20
- 21 3. Terminology
- 22 3.1 Definitions:

Current edition approved XXX. XX, XXXX. Published XX XXXX. DOI:10.1520/XXXXX-XX

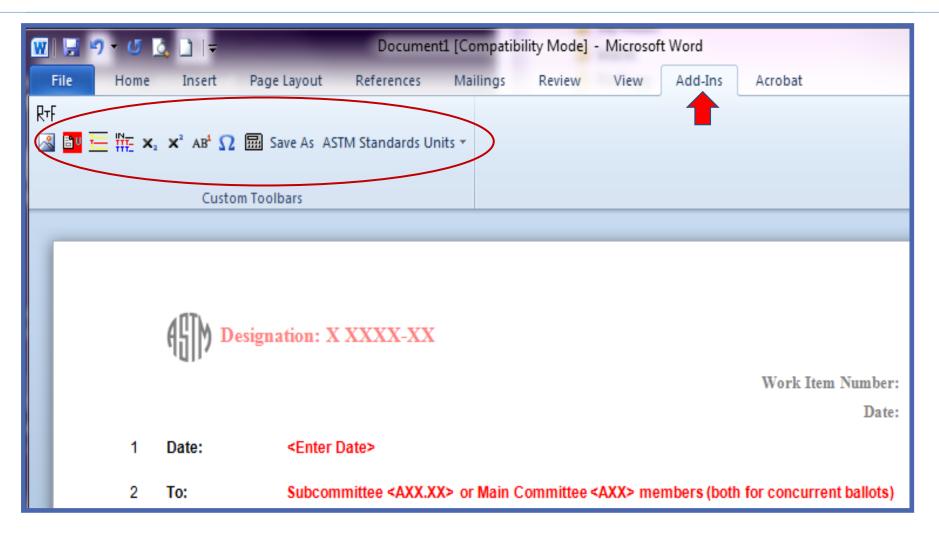
This document is not an ASTM standard; it is under consideration within an ASTM technical committee but has not received all approvals required to become an ASTM standard. You agree not to reproduce or circulate or quote, in whole or in part, this document outside of ASTM Committee Society activities, or submit it to my other organization or standards bodies (whether national, international, or other) except with the approval of the Chairman of the Committee having jurisdiction and the written authorization of the President of the Society. If you do not agree with these conditions please immediately destroy all copies of the document. Cepyright ASTM International, 100 Barr Harbor Drive, Wast Constokocken, PA 19438. All Rights Reserved.

¹ This test method is under the jurisdiction of ASTM Committee C16 Thermal Insulation and is the direct responsibility of Subcommittee C16.26 on Mechanical Properties.

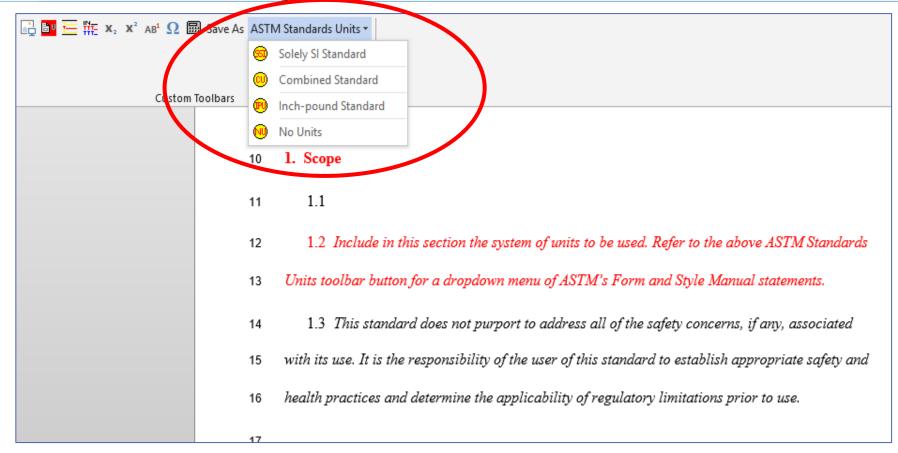


23	3.2
24	
25	4. Summary of Test Method
26	4.1
27	
28	5. Significance and Use
29	5.1
30	
31	6. Interferences
32	6.1
33	
34	7. Apparatus
35	7.1
36	
37	8. Reagents and Materials
38	8.1











10	1. Scope	
11	1.1	
12	1.2 Include in this section the system of units to be used. Refer to the a	bove ASTM Standards
13	Units toolbar button for a dropdown menu of ASTM's Form and Style Man	ual statements.
14	1.3 This standard does not purport to address all of the safety concern	s, if any, associated
15	with its use. It is the responsibility of the user of this standard to establish a	appropriate safety and
16	health practices and determine the applicability of regulatory limitations p	
17		Solely SI Standard X
18	2. Referenced Documents	Insert Solely SI Standard units statement here?
19	2.1 ASTM Standards:	
20		Yes No
21	3. Terminology	



9	
10	1. Scope
11	1.1
12	1.2 Units - The values stated in SI units are to be regarded as standard. No other units of
13	measurement are included in this standard.
14	1.3 This standard does not purport to address all of the safety concerns, if any, associated
15	with its use. It is the responsibility of the user of this standard to establish appropriate safety and
16	health practices and determine the applicability of regulatory limitations prior to use.
17	



Developmental Editing

- If you have questions while drafting a standard, contact the developmental editor.
- Developmental editor can be reached by phone or e-mail. Kathleen Peters <u>kpeters@astm.org</u> 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
 - > Upfront editing of new, revised, reinstated standards
 - Assisting with artwork issues



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

Graphics department will work with what you have

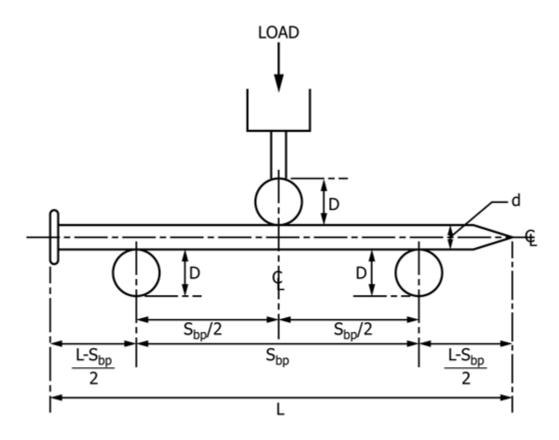
Color Figures

PDF DownloadsOnline Volumes



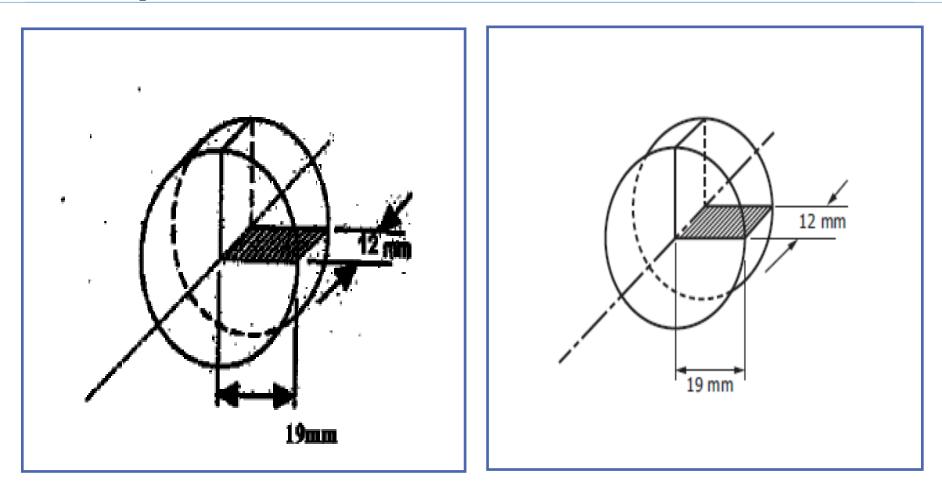
SVG Figures

- Scalable Vector Graphics
 - Now being incorporated into online standards
 - Are searchable and do not degrade when expanded
 - Available in up-to-date browsers





SVG Comparison





REVISIONS

Registering Revisions

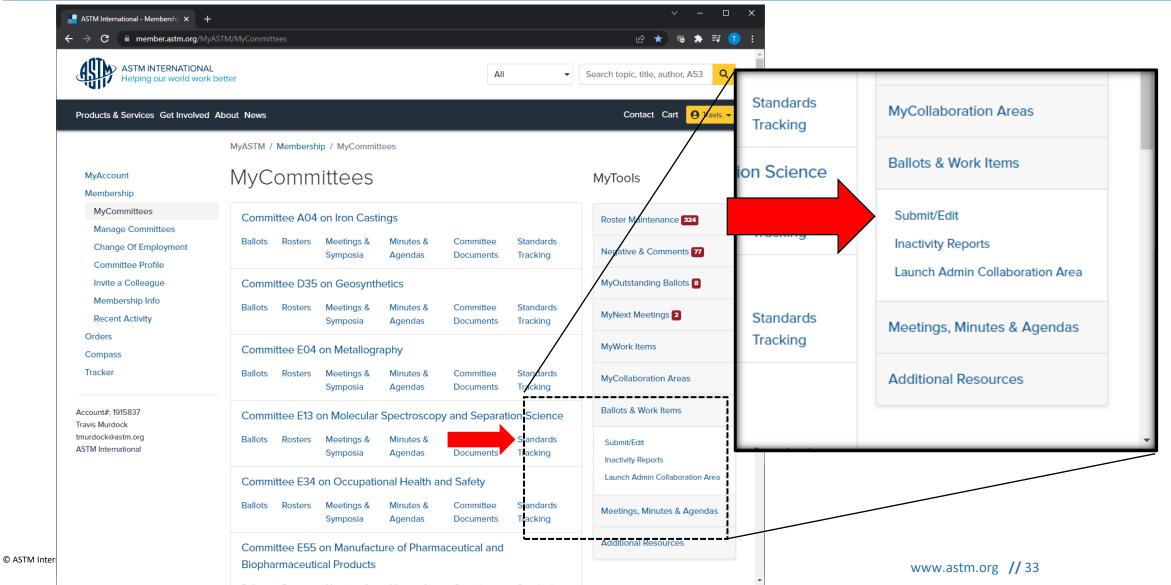


Register new work item for a revision:

- Registering generates a request for WORD file of the latest version of the standard from ASTM International
- An email with a link to the WORD version of the standard will be sent to the technical contact



Registering a Revision Work Item





Registering a Revision Work Item

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Account#: 1915837 Travis Murdock tmurdock@astm.org ASTM International	I need to Edit an existing Work Item or Update the Tato Continue	rg // 3



Open Work Items

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MyAccount Membership	MyComn	nittees				MyTools
MyCommittees Manage Committees	Committee A04	4 on Iron Cast	ings			Roster Maintenance 324
Change Of Employment	Ballots Rosters	Meetings & Symposia	Minutes & Agendas	Committee Documents	Standards Tracking	Negative & Comments 77
Invite a Colleague	Committee D3	5 on Geosynth	netics			MyOutstanding Ballots 8
Membership Info Recent Activity	Ballots Rosters	Meetings & Symposia	Minutes & Agendas	Committee Documents	Standards Tracking	MyNext Meetings 2
Orders Compass	Committee E04	l on Metallogi	aphy			MyWork Items
Tracker	Ballots Rosters	Meetings & Symposia	Minutes & Agendas	Committee Documents	Standards Tracking	All D35
Account#: 1915837 īravis Murdock	Committee E13	on Molecular	Spectroscop	y and Separat	tion Science	E04
murdock@astm.org ASTM International	Ballots Rosters	Meetings & Symposia	Minutes & Agendas	Committee Documents	Standards Tracking	E34 E55
	Committee E34	on Occupation	onal Health a	nd Safety		F13 F20
	Ballots Rosters	Meetings & Symposia	Minutes & Agendas	Committee Documents	Standards Tracking	MyCollaboration Areas



Open Work Items

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Products & Services Get Involved	d About News Contact Cart 🛛 Travis 🗸		
	MyASTM / Membership / MyCommittees / MyWork Items		
MyAccount Membership	My D35 Work Items		
MyCommittees	You are a task group member or a technical contact on the Work Item(s), or WK(s) listed below.		
Manage Committees			
Change Of Employment	D35.01 on Mechanical Properties		
Committee Profile	Proposed: WK70888 Technical Contact: Eli Cuelho		
Invite a Colleague	Proposed: WK80513 Technical Contact: Gregory Lyons		
Membership Info	D4595-17 Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method		
Recent Activity	WK66852 Technical Contact: John Lostumbo		
Orders Compass	 D6637/D6637M-15 Standard Test Method for Determining Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method 		
Tracker	WK62459 Technical Contact: Manoj Tyagi		
	D7864/D7864M-15 Standard Test Method for Determining the Aperture Stability Modulus of Geogrids		
	WK53157 Technical Contact: Mark Wayne		
Account#: 1915837 Travis Murdock	D35.02 on Endurance Properties		
murdock@astm.org	Proposed: WK71844 Technical Contact: David Beaumier		
ASTM International	Proposed: WK71845 Technical Contact: Michael Dickey		
	 D5262-21 Standard Test Method for Determining the Unconfined Tension Creep and Creep Rupture Behavior of Planar Geosynthetics Used for Reinforcement Purposes 	8	
	NV76776 Technical Contact: Nigel Wridev	ľ	



Work Item Summary

ASTM International - Membershi 🗙	Standard Test Method for Determ × +	✓ - □ ×
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Products & Services Get Involved	d About News	Contact Cart 🕒 Travis 🗸
	MyASTM / Membership / MyCommittees / MyWork Items	
MyAccount Membership	ASTM WK66852	Work Item Status
MyCommitteesManage CommitteesChange Of EmploymentCommittee ProfileInvite a ColleagueMembership InfoRecent ActivityOrdersCompassTracker	Revision of D4595-17 Standard Test Method for Tensile Properties of Geotextiles by the Wide- Width Strip Method Active Standard: D4595-17 Developed by Subcommittee: D35.011 Committee D351 Contact Staff Manager MORE D35.01 STANDARDS RELATED PRODUCTS COPYRIGHT/PERMISSIONS	Date Initiated: 01-31-2019 Technical Contact: John Lostumbo Item: 001 Ballot: D35 (21-06) Status: Item Removed from Ballot
Account#: 1915837 Travis Murdock tmurdock@astm.org ASTM International	WK66852 Rationale Updating the standard to reflect current practice of test performance. Special focus will be on extensometers, grip guidance and strain rate. An updated review of the precision and bias section will also be included in this revision.	.org // 3



Electronic Revision Preparation

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



Example of Revision on Ballot

copies of the document. Copyright AS1M international, 100 Barr Harbor Drive, west Conshonocken, PA 19428. All Kights Keserved.

	gnation: D6521 – 13
To:	D04 Main Committee Ballot
Tech Contact:	mknake@aashtoresource.org
Work Item #:	WK61423
Ballot Action:	Revision of ASTM D6521 Sections 1-2
Rationale:	
	i is only for revision to Sections 1 and 2 of D6521. Only the portion of the standard shown below is t of this ballot. A summary of proposed changes are as follows:

- Clarified that this is a conditioning procedure that simulates aging, not an aging procedure
- Note 1 has been deleted, as this wording is more applicable to the RFTOT standard.
- Units have been clarified in the scope to comply with D04 policy
- Reference to ASTM D3666 added in a new Note 1 to comply with D04 policy.
- Referenced documents updated to include ASTM D3666.

Standard Practice for Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV)¹

This standard is issued under the fixed designation D6521; 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 practice covers the <u>conditioning of asphalt binders to simulate</u> accelerated aging (oxidation) of asphalt binders by means of pressurized air and elevated temperature. This is intended to simulate the changes in rheology which occur in asphalt binders during in-service oxidative aging but may not accurately simulate the relative rates of aging. It is normally intended for use with residue from Test Method D2872 (RTFOT), which is designed to simulate plant aging.

NOTE 1—Modified asphalt binders may phase separate or form skins during oven conditioning in Test Method D2872 (RTFOT); theresults from subsequent testing of this residue may not be representative of modified asphalts short-term aged under field conditions. Phaseseparation, or formation of skins, or both can also occur during PAV conditioning. Therefore, the practice may not be suitable for somemodified asphalts.

NOTE 12-PAV conditioning has not been validated for materials containing particulate materials.

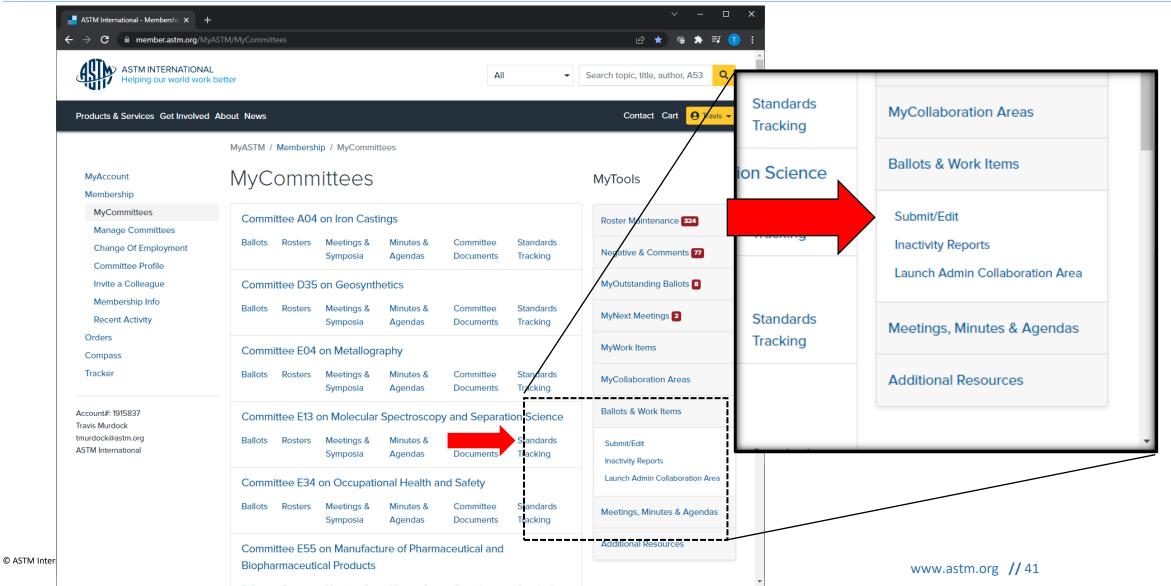
1.2 The aging of asphalt binders during service is affected by ambient temperature and by mixture-associated variables, such as the volumetric proportions of the mix, the permeability of the mix, properties of the aggregates, and possibly other



BALLOTING



Submitting an Item for Ballot





Submitting an Item for Ballot

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Products & Services Get Involved	J About News	Contact Cart 🤤 Travis 🗸
	MyASTM / Membership / MyCommittees / Ballots & Work It	tems
MyAccount Membership MyCommittees Manage Committees Change Of Employment Committee Profile Invite a Colleague	ASTM Work Item Registration Area and Ballot Item Submittal Choose from the following options: I need to register a Work Item for a Revision or New Standard. Work Item registration is not required to submit a Reapproval, Withdrawal or Reinstatement action to ballot; go to Option 2 - Ballot Item Submittal	
Membership Info Recent Activity Orders Compass Tracker	I need to Submit an Item to Ballot. For Revisions and New Standards, please have a Work Iter is needed.	m number. Go To Option 1 - Work Item Registration if WK registration
Account#: 1915837 Fravis Murdock murdock@astm.org ASTM International	I need to Edit an existing Work Item or Update the Target E Continue Continue	Date.



Balloting

ASTM has three levels of ballot:

SubcommitteeMain CommitteeSociety

Ballots are open for a minimum of 30 days, all ballots are done online



Subcommittee Ballot

- Ballot item submittal
- Develop a strategy for considering ballot results
- Task group chair could contact negative voters before ballot closes
- Task group may decide to revise draft and re-ballot before Subcommittee meets



Main Committee Ballot

- Items that pass subcommittee ballot with no negatives move automatically to main committee ballot
- Drafts that have been through at least one subcommittee ballot can be balloted at main committee



Concurrent Sub/Main Ballot

- > During the balloting process:
- Editor begins working on item with the start of the balloting process
- Technical contact could contact negative voters while ballot is open in order to resolve any negatives
- Develop strategy for how to resolve negative votes
- Contact your staff manager with your negative ballot resolutions



Online Negative Resolutions

Five possible negative resolutions:

- Withdrawal
- Withdrawal with Editorial Changes
- Persuasive
- Not Persuasive
- Not Related

While the Standard is Balloting



- > The 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.)



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
- Confirm that all mandatory sections are included and in the correct order
- Review supplier footnotes for compliance with Part F in the Form and Style for ASTM Standards manual



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)

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)



New Standard Receives Approval

- A standard will receive official Society approval on the 1st or 15th of the month.
- > Once a standard 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



REVIEW



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 link to the online ballot item
 - > Will include any questions or comments from your editor



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
- 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.



PUBLICATION

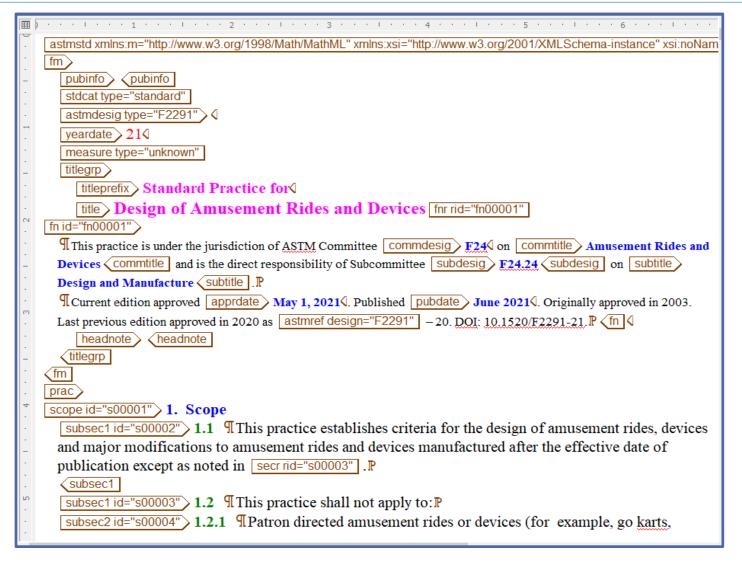
Final Publication



- Editor sends final approved document to ASTM website team
- > Within a week, the standard is available online
- 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



What the Editor Sees





Final Version

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



Standard Practice for Design of Amusement Rides and Devices¹

This standard is issued under the fixed designation P2291; the member immediately following the designation indicates the year of regimal adoption or, in the case of newtoine, the year of fast revealers. A member is parentheses indicates the year of last reapproval. A importantly explored in the indicates an endirent change since the last revision or reapproval.

1. Scope

1.1 This practice establishes criteria for the design of amusement rides, devices and major modifications to annusement rides and devices manufactured after the effective date of publication except as noted in 1.2.

1.2 This practice shall not apply to:

 1.2.1 Patron directed amusement rides or devices (for example, go karts, bumper cars, bumper boats).

1.2.2 Artificial climbing walls,

1.2.3 Air-supported structures,

1.2.4 dry slides,

1.2.5 coin operated rides,

1.2.6 Amusement rides or devices that involve the purposeful immersion of the patron's body partially or totally in the water and involves more than incidental patron water contact (for example, pools, water slides, lazy rivers, interactive agratic pluy devices),

1.2.7 Amusement rides and devices whose design criteria are specifically addressed in another ASTM standard,

1.2.8 Portions of an amusement ride or device unaffected by

a major modification,

1.2.9 Upgrades to electrical wiring, electrical motors and electrical components of annusement rides and devices provided the original design and safety criteria are maintained or enhanced, and

1.2.10 Pre-existing designs manufactured after the effective date of publication of this practice if the design is service proven or previously compliant and the manufacturer provides: 1.2.10.1 A historical summary of the amusement ride,

device or major modification, and 1.2.10.2 A statement that the design is service proven or

previously compliant as specified by Section 3. 1.2.10.3 Amusement rides and devices, and major modifi-

cations to amusement rides and devices may qualify as "previously compliant" for five years following the date of publication of this practice. Thereafter, amusement rides and devices, and major modifications to amusement rides and

² Thin practice is under the jurisdiction of ASTM Committee P24 on Amazement Rides and Devices and is the direct responsibility of Sobcommittee P24.24 on Design and Manufacture.

Carrent edition approved May I, 2021. Published June 2021: Originally approved in 2003. Last provinse edition approved in 2020 as P2291-30. DOI: 10.1520/P2291-31.

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devices must qualify as "service proven" or meet the requirements of this practice.

1.3 This practice includes an annex (mandatory), which provides additional information (for example, rationale, background, interpretations, drawings, commentary, and so forth) to improve the user's understanding and application of the criteria presented in this practice. The annex information shall be interpreted as mandatory design criteria.

1.4 This practice includes an appendix (non-mandatory), which provides additional information (for example, rationale, background, interpretations, drawings, commentary, and so forth.) to improve the user's understanding and application of the criteria presented in this practice. The appendix information shall not be interpreted as mandatory design criteria.

1.5 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.

1.6 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

- F770 Practice for Ownership, Operation, Maintenance, and Inspection of Amusement Rides and Devices
- F1159 Practice for Design of Amusement Rides and Devices that are Outside the Purview of Other F24 Design Standards
- F1193 Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices
- F2137 Practice for Measuring the Dynamic Characteristics of Amusement Rides and Devices
- F2374 Practice for Design, Manufacture, Operation, and

² Por solarinoid ASTM standards, viait the ASTM voluits, www.astmi.org, in central ASTM Continuer Service at service@astmi.org. For Annual Book of ASTM Shoulards volume information, rother to the standard's Document Summary page on the ASTM websits.



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4	Designation: F2291 - 20 F2291 - 21
	Standard Practice for
	Design of Amusement Rides and Devices ¹
	This standard is issued under the fixed designation F2201; the sumber 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 mapproval. A superscript epsilon (e) indicates an editorial change since the last revision or reapproval.
1. Scope	
	tractice establishes criteria for the design of amusement rides, devices and major modifications to amusement rides anufactured after the effective date of publication except as noted in 1.2.
1.2 This p	vractice shall not apply to:
1.2.1 Patr	on directed amusement rides or devices (for example, go karts, bumper cars, bumper boats),
1.2.2 Arti	ficial climbing walls,
1.2.3 Air-	supported structures,
1.2.4 dry	slides.
1.2.5 coin	operated rides,
	asement rides or devices that involve the purposeful immersion of the patron's body partially or totally in the water nore than incidental patron water contact (for example, pools, water slides, lazy rivers, interactive aquatic play devi
1.2.7 Am	asement rides and devices whose design criteria are specifically addressed in another ASTM standard,
1.2.8 Port	ions of an amusement ride or device unaffected by a major modification,
	rades to electrical wiring, electrical motors and electrical components of amusement rides and devices provider rsign and safety criteria are maintained or enhanced, and
	-existing designs manufactured after the effective date of publication of this practice if the design is service prove compliant and the manufacturer provides:
1.2.10.1 /	historical summary of the amusement ride, device or major modification, and
1.2.10.2 /	A statement that the design is service proven or previously compliant as specified by Section 3.
1.2.10.3 /	amusement rides and devices, and major modifications to amusement rides and devices may qualify as "previo
	tice is under the jurisdiction of ASTM Committee F24 on Amusement Rides and Devices and is the direct responsibility of Subcommittee F24.24 on I
and Manufact Current of	nee. hiton approved May 1, 2021, Published June 2000(une 2021, Originally approved in 2003, Last previous edition approved in 2004/2020 - 20.25 DOI: 10.0020/2020-20.001.1520/P2291-21.



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Review





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