

Voting on SEMI Standards Ballots

As a Technical Committee member, you are required to vote on all letter ballots issued by each technical committee you registered for. Please follow these instructions to vote on letter ballots.

1) Go to: <https://www.semi.org/standards> (click on **Vote on Standards Ballots**) or go directly to <https://portal.semi.org/>

2) Click on “Standards Ballots” [refer to Figure 1].

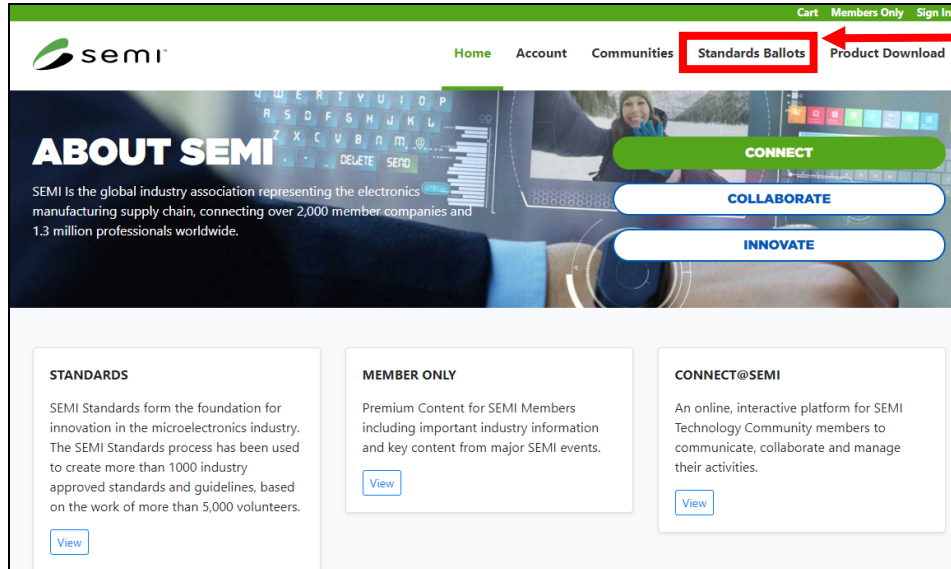


Figure 1
Ballots Link

3) You now should have accessed the SEMI Standards ballot main page. [Refer Figure 2] The public ballots page displays the list of available ballots for voting.

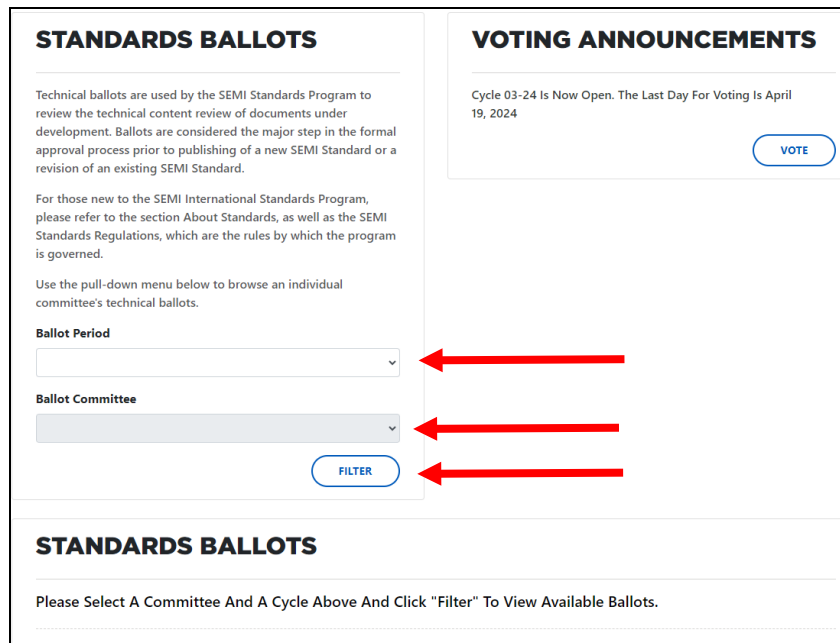
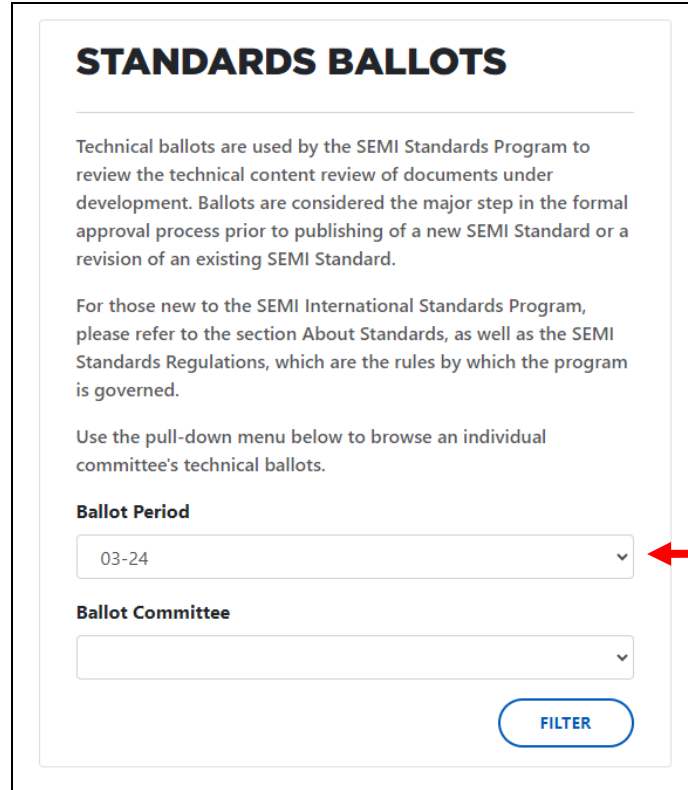


Figure 2
Accessing Available Ballot Cycles

4) To browse available ballots and/or ballots issued by the committee(s) you registered for, select the Ballot Period, from the drop-down menu [Refer to Figure 4]



STANDARDS BALLOTS

Technical ballots are used by the SEMI Standards Program to review the technical content review of documents under development. Ballots are considered the major step in the formal approval process prior to publishing of a new SEMI Standard or a revision of an existing SEMI Standard.

For those new to the SEMI International Standards Program, please refer to the section About Standards, as well as the SEMI Standards Regulations, which are the rules by which the program is governed.

Use the pull-down menu below to browse an individual committee's technical ballots.

Ballot Period

03-24

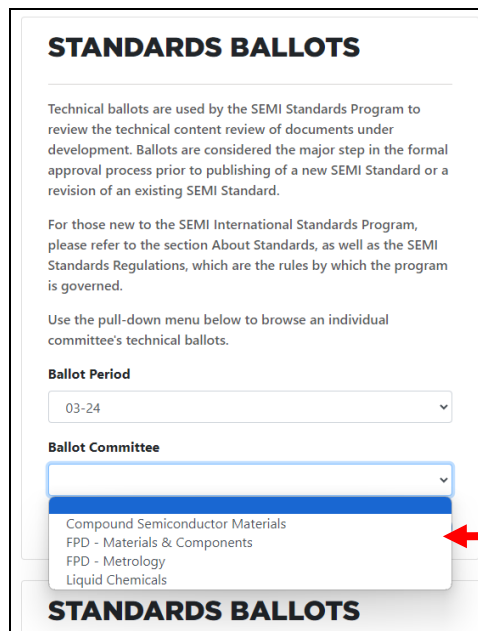
Ballot Committee

FILTER

A red arrow points to the Ballot Period drop-down menu.

Figure 4
Ballot Period Drop-down Menu

5) Once you have selected a Ballot Period, select a committee from the Ballot Committee from the drop-down menu [Refer to Figure 5]



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Ballot Period

03-24

Ballot Committee

- Compound Semiconductor Materials
- FPD - Materials & Components
- FPD - Metrology
- Liquid Chemicals

STANDARDS BALLOTS

A red arrow points to the Ballot Committee drop-down menu.

Figure 5
Ballot Committee Drop-down Menu

6) Once you have selected a **Ballot Period** and a **Ballot Committee**, click on **FILTER**, then click on the **.pdf** link to open and review a particular ballot file

[Figure 6 – In this example, the ballot issued from the FPD Metrology Committee was selected]

Note: Some ballots are packaged as a .zip file when additional materials are included for review.

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Ballot Period

03-24

Ballot Committee

FPD - Metrology

FILTER

STANDARDS BALLOTS

FPD - Metrology 03-24 Ballots

6975C - New Standard: Test Method For Response Time Evaluation Of Displays With Variable Refresh Rate

[6975C.pdf](#)

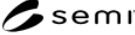
- To Be Reviewed: 6/5/2024 at Off-site Meeting in SEMI Korea Office - Seoul_Korea

Figure 6
PDF Download Links for Ballots

7) Review the letter ballot.

A letter ballot consists of a background statement that provides voters additional information about the Draft Document. The background page also includes information on when the ballot will be reviewed by the responsible task force as well as the committee adjudication date. The proposals presented by the letter ballot follow the background statement page(s). The main ballot proposal is distinguished by the Letter Ballot border template [Refer to Figure 7].

SEMI
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DRAFT
Document Number: 6975C
Date: 2024-03-1912

SEMI Draft Document 6975C
New Standard: TEST METHOD FOR RESPONSE TIME EVALUATION
OF DISPLAYS WITH VARIABLE REFRESH RATE

Background Statement for SEMI Draft Document 6975C
New Standard: TEST METHOD FOR RESPONSE TIME EVALUATION
OF DISPLAYS WITH VARIABLE REFRESH RATE

NOTICE: This Background Statement is not part of the balloted item. It is provided solely to assist the recipient in reaching an informed decision based on the rationale of the activity that preceded the creation of this ballot.

NOTICE: For each Reject Vote, the Voter shall provide text or other supportive material indicating the reason(s) for disapproval (i.e., Negative[s]), referenced to the applicable section(s) and/or paragraph(s), to accompany the vote.

NOTICE: Recipients of this ballot are invited to submit, with their Comments, notification of any relevant patented technology or copyrighted items of which they are aware and to provide supporting documentation. In this context, "patented technology" is defined as technology for which a patent has been issued or has been applied for. In the latter case, only publicly available information on the contents of the patent application is to be provided.

Motion blur is a characteristic of displays that causes moving elements to appear blurry or to have a long trail following them, sometimes called smearing. There are a few elements of a display that cause motion blur, but one of the largest reasons is the response time of the pixels. A slow response time leads to motion blur with fast-moving objects, black smearing in dark scenes, or ghosting when there's overshoot. Generally, we measure the rising or falling times of the temporal step response resulting from various gray-to-gray transitions (including black and white) at a fixed frame frequency, and report the min, max and average of these measurements. Recently, the frame frequency is higher and it is possible to perform the variable sync such as, adaptive sync, free sync and G-sync could have a VRR (variable refresh rate) function in the gaming displays. It could be important to report the measurement results of the response time at various frame frequency. We propose test method of response time characteristic by various frame frequency.

The ballot results will be reviewed and adjudicated at the meetings indicated in the table below. Check www.semi.org/standards under Standards Calendar for the latest update.

Review Adjudication Information

	TF review of the responses to the Letter Ballot	Letter Ballot Review (including Adjudication) by the TC Chapter
Group:	Picture Quality Evaluation TF	FPD Metrology Korea TC Chapter
Date:	TBD	06/05/2024
Time & Time Zone:	TBD	15:00pm – 17:00pm (KST)
Location:	TBD	OVTCCM
City, State/Country:	TBD	OVTCCM
Leader(s):	Myong Young Lee (LG Electronics)	Jong ho Jeong (LG Display) Kyungjin Kang (KIPO)
Standards Staff:	Natalie Shim (SEMI) eshim@semi.org	Natalie Shim (SEMI) gshim@semi.org

This meeting's details are subject to change, and additional review sessions may be scheduled if necessary. Contact the task force leaders or Standards staff for confirmation.

Telephone and web information will be distributed to interested parties as the meeting date approaches. If you will not be able to attend these meetings in person, but would like to participate by telephone/web, please contact Standards staff.

LETTER BALLOT

Figure 7
SEMI Standards Letter Ballot

8) Once you have reviewed the ballot for a particular committee and if you are ready to cast your vote, you will need to enter your Standards Membership log-in before you are able to access the voting sheet(s), click on VOTE, and enter your email and password. [Figure 8]

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Ballot Period

03-24

Ballot Committee

FPD - Metrology

FILTER

VOTING ANNOUNCEMENTS

Cycle 03-24 Is Now Open. The Last Day For Voting Is April 19, 2024

VOTE

semi™

Sign in

Don't have an account? Sign up.

Email address

Password


Forgot password?

Log In

Figure 8
Login to Access Voting Sheets

9) You may use any of the following options if you do not have or have forgotten your Standards Membership log-in information

Option A: Click on **Forgot password?** And enter your email address and click **Send Email**. Retrieve your Standards Membership log-in from your email inbox.



The image shows the SEMI Sign in page. At the top is the SEMI logo, followed by the text "Sign in" and "Don't have an account? Sign up." Below this are two input fields: "Email address" and "Password". A red box highlights the "Forgot password?" link, with a red arrow pointing to it from the right. At the bottom is a green "Log In" button.



The image shows the SEMI "Reset your password" page. At the top is the SEMI logo, followed by the text "Reset your password" and "Please enter your email address. We will send you an email to reset your password." Below this is an "Email address" input field. At the bottom are two buttons: a blue "Back" button and a green "Send Email" button. A red box highlights the "Send Email" button, with a red arrow pointing to it from the right.

Option B: Contact SEMI Staff

Telephone and email information of the SEMI Standards staff in your region can be found at: <http://www.semi.org/standards/contacts>

10) Once logged in, click on the committees listed under the Ballots section to access the voting sheets [Figure 9]:

NOTE: You are required to vote on ballots from committees marked with **REQUIRED**, if you are a registered member of these committees. You may vote on ballots from other committees that you did not register for, but you are not required to do so.

NOTE: Depending on your browser setting, your current session may expire, and you will have to log-in to vote again. Thus, it is highly recommended to prepare your comment/negative in an MS Word file and submit as an attachment. Otherwise, you will be logged out after a long period of idling and your written texts will not be captured by the voting system.

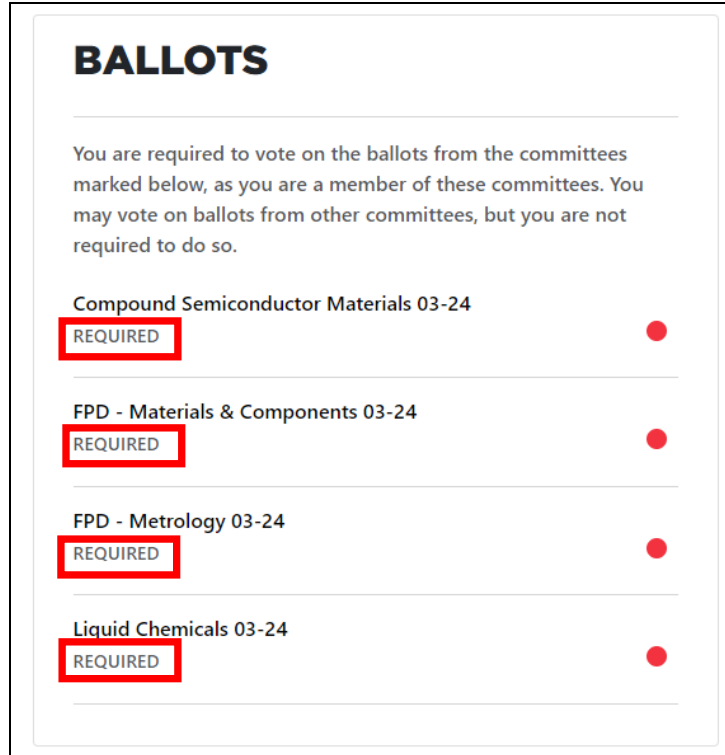


Figure 9
Accessing the Committee Ballot Voting Sheets

12) Cast your vote by clicking on the appropriate radio button for each ballot [Figure 10].



Figure 10
Voting Sheet for Standards Ballots

Votes marked as Reject or having Comments require explanatory material which can either be provided in the text box or as attachments. (The comment and file attachment fields will appear upon selecting the “Accept with Comments,” “Abstain with Comments,” or “Reject” vote.)

Attaching multiple files?

If you wish to submit multiple files for a ballot or line item, you must package them as .zip file or embed them in a single MS Word or Power Point file before attaching.

<i>Vote Type</i>	<i>Description</i>
Accept	A type of Vote selected to indicate approval of the contents of a letter ballot
Accept with Comments	Counted as a Vote of Accept with any text or material submitted with this Vote treated as a Comment.
Abstain	A type of Vote selected to indicate the Voter refrains from taking a position of approval or disapproval of the contents of a letter ballot.
Abstain with Comments	Counted as a Vote of Abstain with any text or material submitted with this Vote treated as a Comment.
Reject	A type of Vote selected to indicate disapproval with part or all of a letter ballot’s technical content. A Reject Vote must be accompanied by supportive material indicating the reason(s) for disapproval (i.e., Negative).

What is a Negative?

The text or other material submitted with a Vote of Reject on a letter ballot. Examples of material that can be included are:

- Technical evidence refuting any part of the item being balloted.
- Ambiguity or lack of clarity causing the perception of a technical or procedural error.
- Procedural evidence that these Regulations have not been followed

13) Once you have entered your votes and if you are ready to submit, click on “Submit Vote” button at the bottom right of the page.

#6975C

New Standard: Test Method For Response Time Evaluation Of Displays With Variable Refresh Rate

Comments and/or Negatives:

test vote

Choose File No file chosen

Accept


Accept with Comments

Abstain

Abstain with Comments

Reject

SUBMIT VOTE



BALLETS

You are required to vote on the ballots from the committees marked below, as you are a member of these committees. You may vote on ballots from other committees, but you are not required to do so.

Compound Semiconductor Materials 03-24
REQUIRED ●

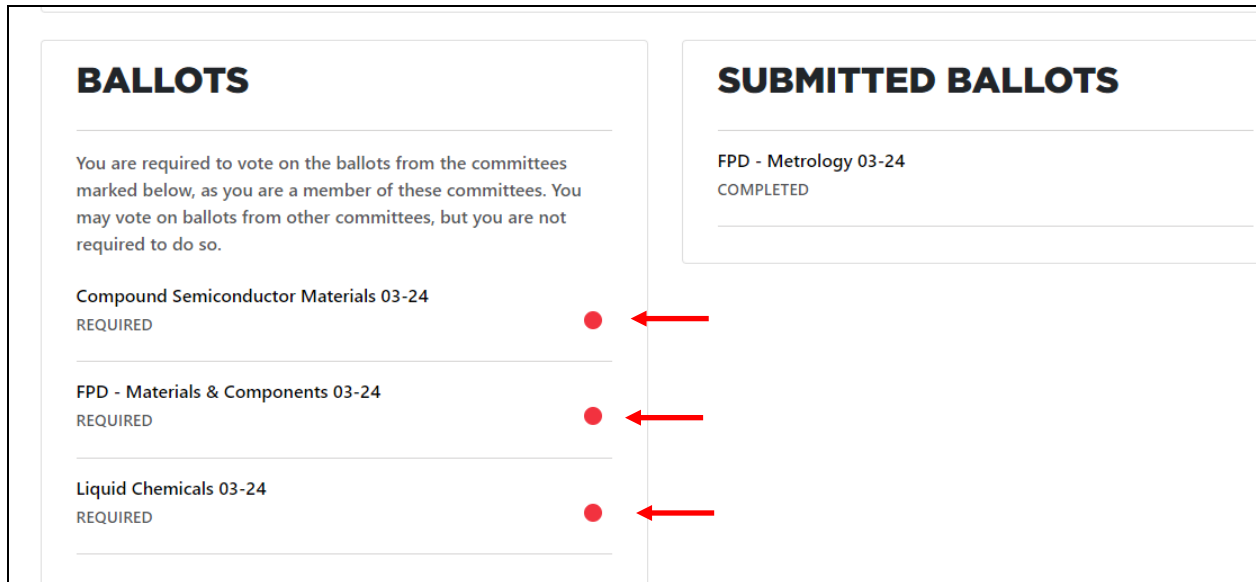
FPD - Materials & Components 03-24
REQUIRED ●

Liquid Chemicals 03-24
REQUIRED ●

SUBMITTED BALLETS

FPD - Metrology 03-24
COMPLETED

14) Repeat this process to vote on another technical committee's ballots by clicking on red dot(s).



15) You may check and edit the votes that you have previously submitted at any time as long as the current voting period is open. Simply login to access (refer to step 7) and edit the previously submitted voting sheets under the "Submitted Ballots" section [Figure 12].

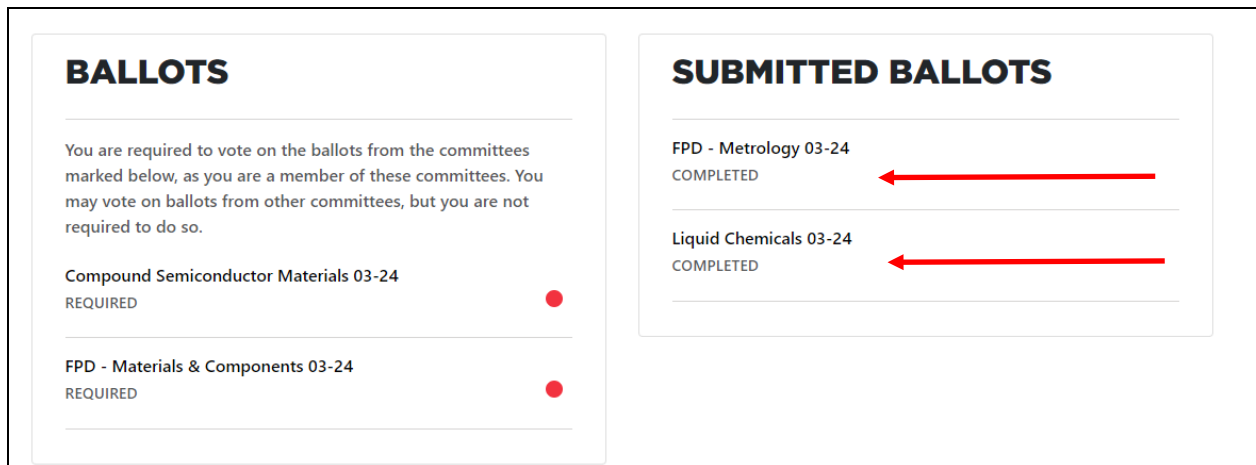


Figure 12
Accessing/Editing Submitted Votes for Open Voting Period

Note: The voting pages will be available for the duration of the voting period and you can no longer cast your vote(s) once the voting for the committee is closed.