

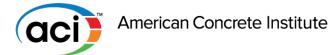
# Welcome to the 2024 Fall Technical Chair Breakfast





### Introduction and CIC

Carl J. "Chuck" Larosche, TAC Chair



# Today's Outline

- Introduction & Review
- Concrete Innovation Council
- Document Webpages and Incremental Reviews
- TAC Reorganization

"Who are these ACI TAC guys..."



### American Concrete Institute

• The Institute's Vision: ACI envisions a future where everyone has the knowledge needed to use concrete effectively to meet the demands of a changing world.

### American Concrete Institute

• The Institute's Mission: ACI develops, disseminates, and advances the adoption of its consensus-based knowledge on concrete and its uses.

# American Concrete Institute- Goals and Objectives

### **LEADERSHIP**

 ACI will provide leadership to ensure our customers are equipped to sustainably address the needs of a changing world.

### Outcome

 ACI will be a recognized leader and partner in advancing concrete as a solution to society's needs.

### Objectives

- Proactively gather and share information on transformational ideas, practices, and techniques
- Quickly respond to consumer needs and global trends for concrete information

# American Concrete Institute- Goals and Objectives

### **STRUCTURE**

ACI will improve the organization and processes through which its programs, products, and services are produced and deployed.

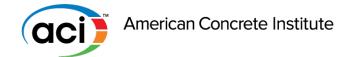
- Outcome
  - ACI will be more efficient, agile, and effective, while maintaining <u>'ACI</u> quality'.
- Objectives
  - Structure ACI and dedicate resources to quickly develop or adapt programs, products, and services
  - Enhance member and customer experience through continuous improvement

### **ACI's Technical Committee Chairs**

- Who are these ACI Technical Committee Chairs?
- How do they accomplish as much as they do?
- 2024 Results

34 Documents approved by TAC

- 6 Codes
- 3 Specifications
- 22 Practices
- 3 Reapprovals



# Who else is behind the Scenes – Document Staff



Shannon Banchero
Manager, Technical Documents

Shannon ensures that technical documents follow the TCM, works with chairs on committee and document issues, coordinates standardization, oversees changes to the TCM



Dense Pedersen
Technical Document Coordinator

Denise processes all technical committee documents. She checks balloting, submission materials, contacts chairs with deadlines

### **Document Staff**



Emily Bush and Carl Bischof, Editors



Emily and Carl edit the documents before TAC review, check responses to TAC and Public Discussion Comments, perform final proofs of documents and send to publishing services, work on errata

### Directors



Mike Tholen
Senior Managing Director of Technical Operations

TCSS Secretary, TPCS Secretary, directs efforts of Professional Development, Engineering, and *Concrete International*, to align with ACI Strategic Plan



Matt Senecal Director, Engineering

TAC Secretary, directs efforts of Engineering staff to align with TAC direction

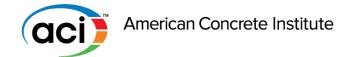
# **TAC Members**





# Updates on ACI Foundation Funded Research

Concrete Innovation Council Member



# ACI Foundation – New 2024 Projects

The Concrete Research Council (CRC) recommended eight (8) new research projects.

The ACIF Trustees approved the funding = \$458,327 USD

Structures	Endorsed
Analysis & Design of Concrete Bridge Deck Overhang using GFRP Bars - Khaled Sennah	ACI 440
Experimental Investigation of the use of UHPC to Simplify Structural Detailing of Precast Shear Walls in Seismic Regions - Sriram Aaleti	ACI 550
Strength Reduction Factor for Plain Concrete - Andrzej Nowak	ACI 380, 332 & 348

# ACI Foundation – New 2024 Projects

Construction	Endorsed
A Planning Study to Speed up Broad Implementation of More Sustainable & Resilient Concrete Materials by the Pavement Sector – Somayeh Nassiri	ACI 232
Materials	Endorsed
Examining the Abrasion & Carbonation Resistance of Portland Limestone Cement (PLC) Systems for Industrial Floors – Mehdi Khanzadeh Moradllo	ACI 225
Three-versus-four-point Bending Test for the Identification of UHPFRC/FRC Tensile Constitutive – Francesco Lo Monte	ACI 544
Leveraging Transfer Learning to Predict the Performance of Novel Concrete Mix Designs in an Expeditious Manner – Stephanie Paal	ACI 135
Ultra-High-Performance Concrete (UHPC) Compressive Model in Flexural Compression Zone – Yi Shao	ACI 239

NOTE: These were the LAST projects to go through the CRC RFP Process.



# ACI Foundation – changes . . .

The Trustees approved a framework for a New Process to select and fund research and innovation.

CRC's Annual RFP has been discontinued.



Details will be shared by the end of the year.



The new process will be implemented early 2025.

Visit the ACI Foundation website (www.acifoundation.org) or follow them on LinkedIn to stay informed!

### ACI Foundation

### The new process WILL:

- Select ideas & initiatives based on impact, relevancy and urgency.
- Use an online submission form
- Limit institutional overhead.
- Fund a range of projects (smallscope to large cofunded work)
- Seek stakeholder input

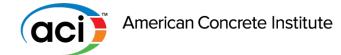
### The new process will **NOT**:

- Require ACI Technical Committee endorsement.
- Accept unsolicited proposals.
- Limit projects to \$50K



# Document Webpages and Incremental Reviews

Mary Beth Hueste, TAC



# Committee Document Management Links

### Accessible way to store pertinent information for document development.

- Ballots Meeting and/or Web
- Drafts
- TAC Comments and/or Public Comments
- Correspondence
- Minutes

# Document Development Form Delete 548 Polymer Concrete Manhole Spec DocumentDevelopmentRequest.pdf Document History add Ballot TAC\_Actions Correspondence Draft Minutes edit delete Draft - SPEC-548.Y Compiled Public Discussion Comments - 10/31/2024 - show

### **DOCUMENT STATUS**

Last Published: New

Previously 3R'd: No

Documents should be revised, reapproved or withdrawn within 5 years for standards and 8 years for other documents from the last published date.

### TAC REVIEW TIMELINE

Received at ACI for TAC: 11/10/2023

Meeting with TAC: 1/17/2024

Two-Year Response Deadline: 1/17/2026

Responses Received at ACI: 3/16/2024

Public Comment Closing Date: 5/15/2024

Public Comment Responses Received at ACI: 8/28/2024

Approximate Publish Date: 11/28/2024

### Work Folders

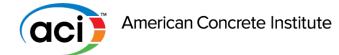
### What to post here?

- Correspondence and drafts not related to current document
- Agenda and Minutes (post approximately 2 weeks before and after a meeting)
- New business not related to document

### WORK FOLDERS (ACI)

- Meeting Agenda, Approved Minutes, & Unapproved Minutes
- **⊞** Draft Documents
- Correspondence

■ How To Manage Work Folders



# Agenda and Minutes

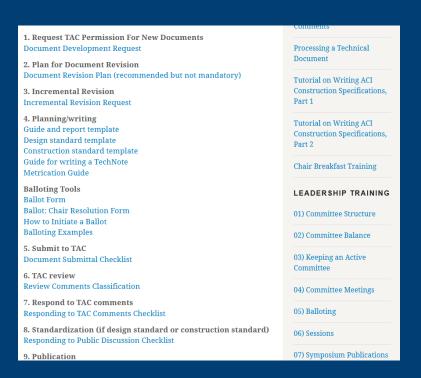


Meetings, including virtual meetings, should have an agenda and set of minutes

## Document Development Guidance

https://www.concrete.org/committees/documentdevelopmentguidance.aspx

- Step-by-step document development process
- Document development request forms
- Document templates
- How-to-Presentations
- Chair Training Slides



### Incremental Revisions

- Incremental revisions are not used for standards.
- Incremental revisions are not used for documents that are 10 years or more since their last full review.
- Incremental revisions should only be used for substantive changes, such as technical changes or updated examples.

### Incremental Revisions

- Incremental revisions are limited to once per year.
- Revisions must be balloted and approved through the full committee voting process before review by TAC, consistent with full document reviews.
- All proposed changes must be shown within the full document using MS Word Track Changes or at a minimum, strikeout/underline.

### Continuous Document Review

- Number of documents almost doubled past five years
- No deadlines (unless standard-writing committee)
- Staff will review document and reach out to chair if there concerns
- TAC Review Group will review the document
- TAC may meet with committee, depending on TAC Comments received
- TAC ballots Review Group recommendation
- Chair is notified



# **TAC Re-Organization**

Wassim Ghannoum, TAC



# Why?

- Number of pages reviewed by TAC doubled in past three decades
- Number of code committees has ballooned in the last few years
   Coordination between codes has become challenging
- Desire to be more nimble with respect to new technical advances

## **Ultimate Goal**





### Overview

- Increase number of TAC members from 13 to 17
- TAC Leadership

Vice-chair appointed for one year and then promoted to chair for one year

Improve continuity in leadership

TAC members will operate within four focus groups

Focus groups organized around topics and coordination needs

Materials, Construction, Design, Behavior and Repair

Committees assigned to a focus group

Each committee will still have a TAC rep (member of the focus group)



# Focus Group Operations

- Ensure coordination between committees especially code committees
  - Meet regularly with committee chairs of interdependent committees
  - Request updates from each committee before each convention (form)
  - Manage requests for major changes to scope of an existing document
- For new documents: regular check-ins to help committees stay on track and avoid major issues at TAC review
- Assist Chairs in achieving milestones
- Meet several times per year and report to full TAC
- Final decisions still at full TAC level



### **Document Review**

- Documents can be submitted to TAC at any time
  - Rolling reviews
- Minimum of three TAC members
  - As needed outside subject matter experts can be added

# Focus Groups – Construction



Tess Ahlborn



Oscar Antommattei



Michael Faubel



**Edith Gallandorm** 

Committees

117	121	124	131	132
134	135	301	302	303
304	305	306	308	309
310	311	315	325	327
330	334	336	347	350
360	371	372	506	522
524	543	551	560	

# Focus Groups – Design







Lisa Feldman



**Robert Frosch** 



Mary Beth Hueste

Committees

122	216
318	319
323	332
351	352
375	376
380	421
533	533C

307	313	314
320	321	322
335	349	350C
359	362	374
376S	377	378
423	435	4400
550		



# Focus Groups – Materials



Corina Maria-Aldea



Anton Schindler



Tom Van Dam



**Jason Weiss** 

Committees 



# Focus Groups – Repair/Behavior



Jeremiah Fasl



**Chris Ferraro** 



Wassim Ghannoum



Keith Kesner

Comm	ittaac
COIIIIII	ILLEGS

133	215
341	342
355	357
369S	370
440	440S
446	447
562	563

222	
343	
364	
408	
441	
515	

228
348
369
437S
445
548

# Thank you

For the most up-to-date information please visit the American Concrete Institute at: www.concrete.org











