



Welcome to the 2024 Fall Technical Chair Breakfast



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Introduction and CIC

Carl J. “Chuck” Larosche, *TAC Chair*



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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 'ACI 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



Denise 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



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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 Moradillo	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.



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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 (small-scope 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*



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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

[548 Polymer Concrete Manhole Spec - DocumentDevelopmentRequest.pdf](#)

DOCUMENT HISTORY

☐ Ballot ☐ TAC_Actions ☐ Correspondence ☐ Draft ☐ Minutes

[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
- + New Business

 [How To Manage Work Folders](#)

Agenda and Minutes

WORK FOLDERS (ACI)

[-] Meeting Agenda, Approved Minutes, & Unapproved Minutes

- [-] Meeting--November 05, 2024
 - [-] November 5, 2024 Agenda
- [-] Meeting--August 28, 2024
 - [-] August 28, 2024 Agenda
 - [-] August 28, 2024 Minutes
- [-] Meeting--August 22, 2024
 - [-] August 22, 2024 Agenda
 - [-] August 22, 2024 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

	Comments
1. Request TAC Permission For New Documents Document Development Request	Processing a Technical Document
2. Plan for Document Revision Document Revision Plan (recommended but not mandatory)	
3. Incremental Revision Incremental Revision Request	Tutorial on Writing ACI Construction Specifications, Part 1
4. Planning/writing Guide and report template Design standard template Construction standard template Guide for writing a TechNote Metrication Guide	Tutorial on Writing ACI Construction Specifications, Part 2
Balloting Tools Ballot Form Ballot: Chair Resolution Form How to Initiate a Ballot Balloting Examples	Chair Breakfast Training
5. Submit to TAC Document Submittal Checklist	LEADERSHIP TRAINING
6. TAC review Review Comments Classification	01) Committee Structure
7. Respond to TAC comments Responding to TAC Comments Checklist	02) Committee Balance
8. Standardization (if design standard or construction standard) Responding to Public Discussion Checklist	03) Keeping an Active Committee
9. Publication	04) Committee Meetings
	05) Balloting
	06) Sessions
	07) Symposium Publications



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



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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



Robbie Barnes



Lisa Feldman



Robert Frosch



Mary Beth Hueste

Committees	122	216	307	313	314
	318	319	320	321	322
	323	332	335	349	350C
	351	352	359	362	374
	375	376	376S	377	378
	380	421	423	435	440C
	533	533C	550		

Focus Groups – Materials



Corina Maria-Aldea

Anton Schindler

Tom Van Dam

Jason Weiss

Committees	130	201	207	209	211
	212	213	214	221	223
	225	230	231	232	233
	234	236	237	238	239
	240	241	242	243	329
	363	439	523	544	549
	552	555	564	565	

Focus Groups – Repair/Behavior



Jeremiah Fasl



Chris Ferraro



Wassim Ghannoum



Keith Kesner

Committees	133	215	222	224	228
	341	342	343	345	348
	355	357	364	365	369
	369S	370	408	437	437S
	440	440S	441	444	445
	446	447	515	546	548
	562	563			

Thank you

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



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