

AGENDA

TAC Construction Standards Committee (TCSC)

Wednesday, Oct. 20, 2021, 10:00 AM – 12:00 PM EDT (UTC-4)
Online

1. Call to Order and Introduction of Members and Visitors

1.1 Approval of Agenda

1.2 Approval of Past Meeting Minutes - The minutes of the Fall 2020 virtual meeting were balloted by web ballot ending on 10/17/2021.

1.3 Amendments to the Agenda

2. Construction Liaison Committee

The ACI Construction Liaison Committee (CLC) is hoping to identify ACI committees that are in the early stages of drafting or revising documents that will affect contractors. Rex Donahey from CLC participated in the Spring '21 TCSC meeting to discuss this topic. Donahey was asked to find a contributor from CLC to propose as a new member of TCSC.

ACTION: Is there any TCSC action required?

3. Status of Specification Activities

3.1 Updates

BACKGROUND: TCSC members are assigned as liaisons to ACI committees known to be working on a specification. Liaisons are responsible for providing guidance on format and style to the specification writing committee. Liaisons have been given access to the committee's web site and ballots. In addition, these committees are asked to provide representation to TCSC and are appointed as associate members of TCSC.

Committee	TCSC Liaison*	Committee Representative
117	Jim Cornell (M)	same
301	Jim Cornell (M)	same
305	Jim Cornell (M)	same
306	Michelle Wilson	TBD
308	Aimee Pergalsky (M)	David Suchorski
310	Larosche	none
311	Al Kaufman	Claude Jaycox
327	Michael Sprinkel	Wayne Adaska
330	Larosche	Robert Varner
336	Ed Ulrich (M)	same
350	Jon Ardahl (M)	same
351	Pericles Stivaros	same
423	Carl Larosche	James Rogers
440	Nick Carino	none
506	Ed Ulrich	Charles Hanskat

522	Aimee Pergalsky (AM)	Dale Fisher
544	?	?
548	Marcotte and Larosche	same
563	Michael Sprinkel (M)	same
* (M) denotes member of committee being supported. (AM) denotes associated member of committee being supported.		

ACTION: TCSC Liaison and Associate Members are asked to report on their respective committees' activities and discuss any actions required of TCSC. **Attachment 3.1**, ACI Specification Activity, has been updated on September 17, 2021, according to ACI staff records for TCSC reference. Please note that the due dates for specifications reflect a 5-year revision requirement recently approved by TAC.

ACTION: Larosche, Cornell, Carino to report on a follow-up discussion on how to properly coordinate the reference in ACI 301 for FRP bars (440.5).

ACTION: New Committee representatives will be selected for Committees 306, 440, and 544.

ACTION: Chair Larosche will report on TAC withdrawal of ACI 306.1 due to exceeding the 5-year requirement.

ACTION: Larosche to update committee on status of 350 specification on watertightness (should it be a test protocol) and TAC resolution.

ACTION: Are there any action items required based on the specification status reports?

4. Technical Committee Manual (TCM)

4.1 TCM Ballot

BACKGROUND: Proposed changes to the TCM should be sent to the Chair(s) of the TCM task group no later than May 2022.

During the Spring 2021 TCSC meeting, TCSC discussed the idea of developing a method of pre-check where TCM conformance is checked by TCSC prior to issuing a committee ballot on a specification document. It was hoped that this would avoid multiple TAC review comments telling the committee to follow TCM guidelines. Carino, Cornell, and Ulrich were asked to develop draft language for the proposal. Scheduling logistics need to be considered.

ACTION: Carino, Cornell, and Ulrich are asked to report on the proposal.

ACTION: TCSC will discuss any additional suggestions for TCM revisions.

5. Requests for new specifications and review of specifications to TAC

BACKGROUND: By web ballot over the summer of 2021, TAC approved a request by ACI Committee 544 to develop a new specification titled "Specification for Fiber-Reinforced Concrete for Slabs-on-Ground and Overlays." This will be the first specification developed by the committee.

ACTION: TCSC will select a Liaison for ACI Committee 544.

6. ACI Committee E707

BACKGROUND: At the Spring 2021 meeting, Pergalsky reported that Daniel Toone had been added to Committee E707. Carino, Ulrich, and Pergalsky are working on developing tools to help specification education and want to incorporate the use of the new online ballot tool. Committees 301 and E707 are cosponsoring two technical sessions in Atlanta, and also working on an on-demand course on the new ACI 301-20 specification.

REPORT: A representative from E707 is asked to report on their meeting.

ACTION: Is there any TCSC action required?

7. New Business

TCSC will consider new business items as time permits.

8. Adjournment

Attachments:

3.1 – ACI Specifications Activity

Attachment 3.1
ACI SPECIFICATIONS ACTIVITY
(Updated September 17, 2021)

Committee	Specification	Document Number	Status
117 – Tolerances	Specification for Tolerances for Concrete Construction and Materials	117-10 (Reapproved 2015)	Reapproved in 2015. Bob Howell working with committee on revision. Last balloted March 28, 2021. Expires 10/26/2020.
	Specification for Tolerances for Precast Concrete	ITG 7-09	Will become a chapter in the next ACI 117. Expired 11/17/2014.
301 – Specifications for Concrete	Specifications for Structural Concrete	301-20	Published. Expires 8/31/2025.
305 – Hot Weather Concreting	Specification for Hot Weather Concreting	305.1-14 (Reapproved 2020)	Reapproved January 2020 for five years. Committee plans to revise once their guide is finalized. Expires 1/2/2025.
306 – Cold Weather Concreting	Standard Specification for Cold Weather Concreting	306.1-90 (Reapproved 2002)	Per chair on 10/11/2019, committee balloting revision. There has been no balloting since before 2005. Expired 8/1/2007.
308 – Curing Concrete	Specification for Curing Concrete	308.1-11	Last ballot on revision was 9/25/2020. Expired 7/14/2016.
310 – Decorative Concrete	Specification for Polishing Finishes	SPEC-310.1-20	Published. Expires 8/19/2025.
311 – Inspection of Concrete	Specification for Ready-Mixed Concrete Testing Services	311.6-18	Expires 9/5/2023.
	Inspection Services Specification for Cast-in-Place Concrete Construction	311.7-18	Expires 4/24/2023.
327 – Roller-Compacted Concrete Pavements	Specification for Roller-Compacted Concrete Pavements	New SPEC-327.Y	Permission to develop granted spring of 2013. Last balloted 4/5/2018.
330 – Concrete Parking Lots and Site Paving	Specification for Unreinforced Concrete Parking Lots	330.1-14	TAC reapproved fall 2020 for five years. Expires 10/24/2025.
336 – Footings, Mats, and Drilled Piers	Specification for the Construction of Drilled Piers	336.1-01	A revision was RRR'd by TAC at the 2020 spring convention. Last balloted June 16, 2021. Expired 12/18/2007.

Committee	Specification	Document Number	Status
350 – Environmental Structures	Specification for Tightness Testing of Environmental Engineering Concrete Containment Structures	350.1-10	TAC approved a revision winter 2021. Public Discussion closed 8/23/2021. Waiting for committee to submit response to public comments. Expired 2/24/2016.
	Specifications for Environmental Concrete Structures	350.5-12	Per chair 10/7/2019: Specification Subcommittee is revising. Nothing has been sent to headquarters to date. Expired 4/29/2018.
351 – Foundations for Equipment and Machinery	Specification for Installation of Cementitious Grouting between Foundations and Equipment Bases	351.4-14	A revision is being reviewed by TAC during their May 12, 2021 meeting. Expired 2/17/20.
	Specification for Installation of Epoxy Grout between Foundations and Equipment Bases.	351.5-15	A revision is being reviewed by TAC during their May 12, 2021 meeting. Expires 5/8/2020.
423 – Prestressed Concrete	Specification for Unbonded Single-Strand Tendon Materials	423.7-14	Last balloted September 15, 2021. Expired 12/11/2019.
440 – Fiber Reinforced Polymer Reinforcement	Specification for Construction with Fiber-Reinforced Polymer Reinforcing Bars	440.5-08	Revision approved by TAC Fall 2017. A TAC ballot to approve the closure included a negative. TAC discussed at 2021 spring convention and spoke with chair. Chair looking into and will ballot committee and send change. In August we still haven't heard anything so SBB contacted chair. Still waiting to on committee's response. Expired 7/8/2013.
	Specification for Carbon and Glass Fiber-Reinforced Polymer Bar Materials for Concrete Reinforcement	440.6-08 (Reapproved 2017)	There was discussion of this specification being moved to ASTM D30.10. It is WK43339. ASTM D30.10. Staff asked chair Gold to confirm but he never responded. Last ballot 12/1/2018. Expires 7/18/22.

Committee	Specification	Document Number	Status
	Specification for Carbon and Glass Fiber-Reinforced Polymer (FRP) Materials Made by Wet Layup for External Strengthening of Concrete and Masonry Structures	440.8-13	No activity to date. Expired 2/26/19.
	Externally Bonded Fiber-reinforced Polymer (FRP) Materials Using the Wet Layup Method--Specification	SPEC-440.X	Approved during 2020 spring convention. Public Discussion closed June 23, 2021. Waiting for committee to submit response to public comments.
506 – Shotcreting	Specification for Shotcrete	506.2-13 (Reapproved 2018)	Last balloted 3/29/2018. Expires 10/26/23.
	Guide for Specifying Underground Shotcrete	506.5R-09 (Reapproved 2016)	A revision was approved during the May 12, 2021 meeting. Waiting for committee response to TAC comments. Expires 8/4/21.
522 – Pervious Concrete	Specification for Pervious Concrete Pavement	522.1-20	Published. Expires 11/15/2025.
548 – Polymers and Adhesives in Concrete	Specification for Latex-Modified Concrete Overlays	548.4-11	No recent activity. Expired 5/3/17.
	Specification for Type EM (Epoxy Multi-Layer) Polymer Overlay for Bridge and Parking Garage Decks	548.8-19	Expires 3/29/24.
	Specification for Type ES (Epoxy Slurry) Polymer Overlay for Bridge and Parking Garage Decks	548.9-08	TAC approved a revision at the July 17, 2020 meeting. Waiting for committee to respond to TAC comments. Expired 8/11/13.
	Specification for Type MMS (Methyl Methacrylate Slurry) Polymer Overlays for Bridge and Parking Garage Decks	548.10-10	A revision is being reviewed by TAC at the November 10, 2021 meeting. Expired 8/12/15.
	Specification for Bonding Hardened Concrete and Steel to Hardened Concrete with an Epoxy Adhesive	548.12-12 (503.1)	Per Chair Reda Taha, this document was incorporated into 548.13-14. Expired 4/9/18.
	Specification for Bonding Fresh Concrete to Hardened Concrete with a Multi-Component Epoxy Adhesive	548.13-14 (503.2)	TAC approved a revision at the 2020 fall meeting. The document was sent to Publishing Services August 27, 2021. Expired 10/2/19.

Committee	Specification	Document Number	Status
	Epoxy and Aggregate High Friction Surface on Concrete — Specification	SPEC-548.Y (formerly 503.3-10)	TAC approved a revision fall 2019. Currently open for public comments closing October 5, 2021. Expired 10/13/15.
	Standard Specification for Repairing Concrete with Epoxy Mortars	548.14-14 (503.4-92)	No activity. Expired 12/18/19.
	Crack Repair by Epoxy Injection-- Specification	SPEC-548.15-20	Expires 6/19/2025.
563 – Specifications for Repair of Structural Concrete in Buildings	Specification for Repair of Existing Structural Concrete	563-18	Revisions currently being balloted. Expires 8/29/2023.