

AGENDA
TAC Construction Standards Committee (TCSC)
Wednesday, Mar. 28, 2018, 7:30 – 9:30 AM
GA-Sussex
Salt Lake City, UT

1. Call to Order and Introduction of Members and Visitors

1.1 Approval of Agenda

1.2 Approval of Past Meeting Minutes

1.3 Amendments to the Agenda

2. Status of Specification Activities

2.1 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	Bruce Suprenant (M)	same
301	Jim Cornell (M)	same
305	Jim Cornell (M)	same
306	Charles Hanskat	none
308	Aimee Pergalsky (M)	David Suchorski
310	Ed Ulrich	none
311	Al Kaufman	Claude Jaycox
327	Michael Sprinkel	Wayne Adaska
330	Mike Stenko	Robert Varner
336	Ed Ulrich (M)	same
350	Jon Ardahl (M)	same
351	Pericles Stivaros	none
423	Charles Hanskat	James Rogers
440	Nick Carino	none
506	Charles Hanskat (M)	same
522	Aimee Pergalsky (AM)	Dale Fisher
548	Michael Stenko (M)	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 2.1, ACI Specification Activity, has been updated on October 6, 2017, according to ACI staff records for TCSC reference.

ACTION: The following action items were identified from the reports at the Anaheim convention. Those listed are asked to report:

- Secretary Tholen to determine what committee ITG-4, “Specification for High-Strength Concrete in Moderate to High Seismic Applications,” had been assigned to for maintenance.
- Chair Suprenant to send Wilson the shotcrete proposal from ACI 318-A.
- Pergalsky to send ACI Committee 308 specification to TCSC members for input when the ballot is out.
- Cornell to review ACI Committee 308 specification.
- Chair Suprenant to arrange meeting between ACI 301, 311, and 132 Committee Chairs to discuss responsibility for curing boxes on job sites.
- Pergalsky to send ACI Committee 522 specification to TCSC members when the ballot is out if she sees any issues that would benefit from input.
- Chair Suprenant and Cornell to review use of trigger language in ACI 563 repair spec.
- Chair Suprenant to contact ACI 563 Chair Marcotte regarding a change to the title of the document and if it was in response to a TAC comment.

3. Technical Committee Manual (TCM)

3.1 TCM Ballot

REPORT: All recommended changes to the TCM have been accepted by TAC and incorporated into the 2018 TCM.

3.2 Guide for Specifying

REPORT: A task group (Tipping, Carino, and Ardahl) was formed to write a section for the TCM that would provide information on how to write a guide to writing a specification. ACI currently has such a guide document titled, “Guide for Specifying Underground Shotcrete (ACI 506.5R).” A copy of ACI 506.2R is available on the TCSC website in the Correspondence folder.

At the Anaheim meeting, Chair Suprenant was asked to investigate the use of the terms “transmittal” and “information submittal” in industry documents and report to the committee.

ACTION: Chair Suprenant is asked to report.

4. Requests for New Specifications and review of specifications to TAC

REPORT: No new requests for specifications have been submitted since the last meeting. A revision of ACI 548.X, “Specification for Crack Repair by Epoxy Injection,” was reviewed by TAC for the Salt Lake City convention.

ACTION: This item is for information only.

5. ACI Committee E707

REPORT: The education committee, E707, Specification Education, meets on Tuesday, Oct. 17, from 11:30a to 1:00p, in Room D-Congo.

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

6. Guide to using ACI reference specifications

REPORT: A task group consisting of Suprenant, Hanskat, and Ardahl was formed to write a short document providing guidance on using ACI reference specifications.

ACTION: Chair Suprenant is asked to report

7. Significant Digits

REPORT: In Detroit, Chair Suprenant requested that the committee members review ASTM E29, “Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications.” with an eye toward acceptance for specification compliance and determine if any guidance should be given to ACI specification writing committees. ACI Committee 117 has proposed the use of ASTM E29 for writing their specification. It was noted that the use of fractions can be problematic and is not addressed in ASTM E29.

ACTION: TCSC will discuss any suggestions for committee guidance

8. Definition of the term “Construction Documents”

REPORT: In Detroit, Cornell informed TCSC that ACI 318-14 Chapter 26, Construction Documents and Inspection, uses a new term “construction documents.” The term is defined in ACI 318 as “written and graphic documents and specifications prepared or assembled for describing the location, design, materials, and physical characteristics of the elements of a project necessary for obtaining a building permit and construction of the project.” In Anaheim, Chair Suprenant presented information on this term from ACI, CSI, and other locations. He also reported that the TAC TCM task group is working on definitions of construction and contract documents. The 2018 TCM contains the following definitions in Section 6.2.6.3, page 37:

Construction Documents—written and graphic documents and specifications prepared or assembled for describing the location, design, materials, and physical characteristics of the elements of a project necessary for obtaining a building permit and construction of the project.

Contract Documents—set of documents that form the basis of a contractual relationship between and Owner and constructor or design-builder. These documents are defined by the contractual agreement, and can contain contract forms, contraction conditions, specifications, drawings, addenda, and contract changes.

ACTION: Chair Suprenant is asked to report

9. New Business

TCSC will consider new business items as time permits.

9.1 Warranties, Regulatory Requirements and Safety in Specifications

ACTION: Chair Suprenant will report

10. Adjournment

Attachments:

2.1 - ACI Specifications Activity

Attachment 2.1
ACI SPECIFICATIONS ACTIVITY
(Updated March 9, 2018)

Committee	Specification	Document Number	Status
117 – Tolerances	Specification for Tolerances for Concrete Construction and Materials	117-10	Reapproved in 2015. Expires in Spring 2020.
	Specification for Tolerances for Precast Concrete	ITG 7-09	Will become a chapter in the next ACI 117. Expires in Spring 2017.
301 – Specifications for Concrete	Specifications for Structural Concrete	301-16	Completed in 2016. Expires in Summer 2024.
305 – Hot Weather Concreting	Specification for Hot Weather Concreting	305.1-14	Recently finished; Expires in Fall 2022.
306 – Cold Weather Concreting	Standard Specification for Cold Weather Concreting	306.1-90 (2002)	Should be ready for TaC review in 2019; Expired in Fall 2007.
308 – Curing Concrete	Specification for Curing Concrete	308.1-11	Expected to TAC summer 2018; Expires in Summer 2019.
310 – Decorative Concrete	Specification for Polishing Finishes	New	Ulrich has been active in assisting the committee.
311 – Inspection of Concrete	Specification for Ready-Mixed Concrete Testing Services	311.6-09	Responding to Public comment. Expires in Fall 2017.
	Inspection Services Specification for Cast-in-Place Concrete Construction	311.7-14	Responding to Public comment. Expires in Summer 2022.
327 – Roller-Compacted Concrete Pavements	Specification for Roller-Compacted Concrete Pavements	New	Approval given in spring of 2013. Balloting in progress.
330 – Concrete Parking Lots and Site Paving	Specification for Unreinforced Concrete Parking Lots	330.1-14	Recently finished; Expires in Fall 2022.
336 – Footings, Mats, and Drilled Piers	Specification for the Construction of Drilled Piers	336.1-01	Past expiration. According to their spring 2016 minutes, the draft is ready for ballot pending input from ADSC Drilled Shaft Committee. Expired in Fall 2009.
350 – Environmental Structures	Specification for Tightness Testing of Environmental Engineering Concrete Containment Structures	350.1-10	No activity; Expires in Spring 2018.
	Specifications for Environmental Concrete Structures	350.5-12	Expires in Spring 2020.
351 – Foundations for Equipment and Machinery	Specification for Installation of Cementitious Grouting between Foundations and Equipment Bases	351.4-14	Recently finished; Expires in Spring 2022.
	Specification for Installation of Epoxy Grout between Foundations and Equipment Bases.	351.5-15	Recently finished; Expires in Spring 2023.

Committee	Specification	Document Number	Status
423 – Prestressed Concrete	Specification for Unbonded Single-Strand Tendon Materials	423.7-14	Recently finished, working on adding performance criteria; Expires in Fall 2022.
440 – Fiber Reinforced Polymer Reinforcement	Specification for Construction with Fiber-Reinforced Polymer Reinforcing Bars	440.5-08	TAC review Fall 2017; Expired in Summer 2016.
	Specification for Carbon and Glass Fiber-Reinforced Polymer Bar Materials for Concrete Reinforcement	440.6-08	This specification is being moved to ASTM D30.10. It is WK43339. ASTM D30.10 Committee working on ballot resolutions. Expired in Summer 2016.
	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	Expires in Spring 2021.
	Specification for Construction with Externally Bonded Fiber-reinforced Polymer (FRP) Materials Using the Wet Layup Method	440.X	Approval given in spring of 2014
506 – Shotcreting	Specification for Shotcrete	506.2-13	Expires in Spring 2021.
	Guide for Specifying Underground Shotcrete	506.5R-09	Reapproved in 2016. Expires in Fall 2021.
522 – Pervious Concrete	Specification for Pervious Concrete Pavement	522.1-13	Expires in Summer 2021.
548 – Polymers and Adhesives in Concrete	Specification for Latex-Modified Concrete Overlays	548.4-11	No activity; Expires in Spring 2019.
	Specification for Type EM (Epoxy Multi-Layer) Polymer Overlay for Bridge and Parking Garage Decks	548.8-07	Committee responding to TAC comments; Expired in Fall 2015.
	Specification for Type ES (Epoxy Slurry) Polymer Overlay for Bridge and Parking Garage Decks	548.9-08	No activity; Expires in Summer 2016.
	Specification for Type MMS (Methyl Methacrylate Slurry) Polymer Overlays for Bridge and Parking Garage Decks	548.10-10	Should be to TAC soon; Expires in Summer 2018.
	Specification for Bonding Hardened Concrete and Steel to Hardened Concrete with an Epoxy Adhesive	548.12-12 (503.1)	Expires in Spring 2020.
	Specification for Bonding Fresh Concrete to Hardened Concrete with a Multi-Component Epoxy Adhesive	548.13-14 (503.2)	Recently finished; Expires in Fall 2021.

Committee	Specification	Document Number	Status
	Standard Specification for Producing a Skid Resistant Surface on Concrete by the Use of a Multi-Component Epoxy System	503.3-10	No activity; Expires in Fall 2018.
	Standard Specification for Repairing Concrete with Epoxy Mortars	548.14-14 (503.4-92)	Recently finished; Expires in Spring 2022.
	Specification for Crack Repair by Epoxy Injection	548.X (503.7-07)	Submitted for TAC review SP '18; Expired in Summer 2015.
563 – Specifications for Repair of Structural Concrete in Buildings	Specification for Repair of Existing Structural Concrete	New	Responding to TAC comments