

AGENDA

TAC Construction Standards Committee (TCSC)

Wednesday, April 15, 2015, 7:30 – 10 AM

Kansas City Convention Center, C-2209

Kansas City, MO

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	Eldon Tipping (M)	same
301	Jon Ardahl (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	Eldon Tipping (AM)	Robert Varner
336	Billy Oliver (M)	same
346	Al Kaufman (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 21, 2014, according to ACI staff records for TCSC reference.

3. Technical Committee Manual (TCM)

3.1 TCM Ballot

REPORT: The update process for the next version of the TCM starts at the end of this convention. Shannon Banchemo, Technical Committee Document Manager, will send requests for changes at about the same time as the convention. Change proposals will be due by the first of June.

ACTION: This committee has been working on a couple of ideas for changes to the TCM. The following items may be submitted as decided at this meeting. Also, committee members are encouraged to submit comments for the continued development of the document.

3.2 Licensed Design Professional (LDP) versus Architect/Engineer (A/E)

REPORT: At the 2014 Fall Meeting, Chair Tipping asked Ardahl to write brief reason statements for the separate uses of LDP, A/E, and LDE. These statements will be passed to the TAC TCM Task Group for inclusion in the next TCM.

ACTION: Ardahl is asked to report.

3.3 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 that offers direction on how to write a specification. ACI currently has such a guide document titled, “Guide for Specifying Underground Shotcrete (ACI 506.5R).” A copy of ACI 506.5R is available on the TCSC website in the Correspondence folder.

ACTION: Chair Tipping is asked to report.

3.4 TCM Inconsistencies identified by Ward Malisch

REPORT: During the TAC review for ACI 301, Ward Malisch, ASCC, submitted several technical comments related to definitions mandated by the TCM. Malisch is asking TAC for a variance from the TCM so that the ACI 301 can address ASCC’s concerns. TAC will consider the request at the convention but, eventually, TCSC should consider the revisions to the TCM. Malisch’s concerns are outlined in the following table:

TCM language	Problem	Solution
Accepted – determined to be satisfactory by architect/engineer.	Internally inconsistent. The 2014 TCM states that phrases such as “to the satisfaction of the specifier” are “vague, subjective descriptions.” Section 6.3.4 on <i>Subjective language</i>	Accepted – determined by Architect/Engineer to be in compliance with the Contract Documents.
Work – the entire construction or separately identifiable parts thereof required to be furnished under Contract Documents.	Internally inconsistent. The 2014 TCM states “do not use legal jargon”. As examples, Section 6.3.8 lists “herewith” and	Work – the entire construction or separately identifiable parts required to be furnished under Contract Documents.

	“hereinafter.” The word “thereof” is also legal jargon.	The meaning is not changed by deleting “thereof.”
<p>Project Drawings – graphic presentation of project requirements</p> <p>Project Specification – written document that details requirements for the Work in accordance with service parameters and other specific criteria.</p>	<p>The two definitions are not of consistent style. There is also a clarity issue.</p> <p>The meaning of “in accordance with service parameters and other specific criteria” is not clear. That phrase also adds nothing to the definition that helps the Contractor to better understand the definition. If that phrase is needed for some reason that I don’t understand, it should also be added to the definition of Project Drawings, again for consistency. But I don’t suggest this as a solution.</p> <p>Further, if the Project Specification “details requirements for the Work” the Project Drawings should also “detail” such requirements.</p>	<p>Project Drawings – graphic presentation that details requirements for the Work.</p> <p>Project Specification – written document that details requirements for the Work.</p> <p>These definitions are consistent and improve clarity by deleting a vague phrase.</p>
The following are problems that are not related directly to consistency.		
[in box showing preferred wording] 1.1.2 This specification supplements the Contract Documents and provides requirements for the Contractor.	When referenced, ACI 301 is a Contract Document based on the ACI 301 definition of a Contract Document. This phrase implies that ACI 301 is not a Contract Document.	1.1.2 This specification supplements the other Contract Documents and provides requirements for the Contractor.
[in box showing preferred wording] 1.1.3 This specification governs for construction within its scope, except the Contract Documents govern if there is a conflict.	ACI 301 has been referenced so it is definitely a Contract Document.	1.1.3 This specification governs for construction within its scope, except the other Contract Documents govern if there is a conflict.
[in box showing Examples] 1.2.1.8 The phrase “as indicated in the Contract Documents” means the specifier included the provision requirements in the Contract Documents.	How does the contractor know if the specifier included the provision unless ACI requires this to be in the Mandatory Requirements Checklist? Contractors shouldn’t have to search the document to find the requirements.	The TCM should require that when the phrase “as indicated in the Contract Documents” is used in a Specification, it also must be included in the Mandatory Requirements Checklist.

ACTION: Chair Tipping is asked to lead the discussion.

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

REPORT: No new requests for specifications have been submitted since the last meeting. No specifications have been submitted for review since the last meeting

ACTION: This item is for information only.

5. ACI Committee E707

REPORT: The education committee, E707, Specification Education, meets on Tuesday, April 14, from 11:30a to 1p, at the Convention Center in Room C-2503.

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

6. New Business

7. Adjournment

Attachments:

2.1 — ACI Specifications Activity

Attachment 2.1
ACI SPECIFICATIONS ACTIVITY
(Updated March 8, 2015)

Committee	Specification	Document Number	Status
117 – Tolerances	Specification for Tolerances for Concrete Construction and Materials	117-10	Plan on submitting for reapproval
	Specification for Tolerances for Precast Concrete	ITG 7-09	Will become a chapter in the next ACI 117
301 – Specifications for Concrete	Specifications for Structural Concrete	301-10	Balloting responses to TAC Comments.
305 – Hot Weather Concreting	Specification for Hot Weather Concreting	305.1-14	Recently finished; 7 years until expiration
306 – Cold Weather Concreting	Standard Specification for Cold Weather Concreting	306.1-90 (2002)	No activity; past expiration
308 – Curing Concrete	Specification for Curing Concrete	308.1-11	No activity; 4 years until expiration
310 – Decorative Concrete	Specification for Polishing Finishes	New	Approval given in spring of 2014
311 – Inspection of Concrete	Specification for Ready-Mixed Concrete Testing Services	311.6-09	No activity; 2 years until expiration
	Inspection Services Specification for Cast-in-Place Concrete Construction	311.7-14	Recently finished; 7 years until expiration
327 – Roller-Compacted Concrete Pavements	Specification for Roller-Compacted Concrete Pavements	New	Approval given in spring of 2013
330 – Concrete Parking Lots and Site Paving	Specification for Unreinforced Concrete Parking Lots	330.1-14	Recently finished; 7 years until expiration
336 – Footings, Mats, and Drilled Piers	Specification for the Construction of Drilled Piers	336.1-01	Balloting; past expiration
346 – CIP Pipe	Specification for Cast-in-Place Concrete Pipe	346-09	On hold while working on guide; 2 years until expiration
350 – Environmental Structures	Specification for Tightness Testing of Environmental Engineering Concrete Containment Structures	350.1-10	No activity; 3 years until expiration
	Specifications for Environmental Concrete Structures	350.5-12	Recently finished; 5 years until expiration
351 – Foundations for Equipment and Machinery	Specification for Cementitious Grouting between Foundations and Equipment Bases	351.4-14	Recently finished; 7 years until expiration
	Specification for Epoxy Grouting between Foundations and Equipment Bases.	351.5-15	Recently finished; sent to publisher on April 2.
423 – Prestressed Concrete	Specification for Unbonded Single-Strand Tendon Materials	423.7-14	Recently finished; 7 years until expiration
440 – Fiber Reinforced Polymer Reinforcement	Specification for Construction with Fiber-Reinforced Polymer Reinforcing Bars	440.5-08	No activity; 1 year until expiration

Committee	Specification	Document Number	Status
	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. Committee actively working.
	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	Recently finished; 6 years until expiration
	Specification for Construction with Externally Bonded Fiber-reinforced Polymer (FRP) Materials Using the Wet Layup Method	New	Approval given in spring of 2014
506 – Shotcreting	Specification for Shotcrete	506.2-13	Recently finished; 6 years until expiration
	Guide for Specifying Underground Shotcrete	506.5R-09	Revising in subcommittee; 2 years until expiration
522 – Pervious Concrete	Specification for Pervious Concrete Pavement	522.1-13	Recently finished; 6 years until expiration
548 – Polymers and Adhesives in Concrete	Specification for Latex-Modified Concrete Overlays	548.4-11	No activity; 4 years until expiration
	Specification for Type EM (Epoxy Multi-Layer) Polymer Overlay for Bridge and Parking Garage Decks	548.8-07	Working on in subcommittee; Due
	Specification for Type ES (Epoxy Slurry) Polymer Overlay for Bridge and Parking Garage Decks	548.9-08	No activity; 1 year until expiration
	Specification for Type MMS (Methyl Methacrylate Slurry) Polymer Overlays for Bridge and Parking Garage Decks	548.10-10	No activity; 3 years until expiration
	Specification for Bonding Hardened Concrete and Steel to Hardened Concrete with an Epoxy Adhesive	548.12-12	Recently finished; 5 years until expiration
	Specification for Bonding Fresh Concrete to Hardened Concrete with a Multi-Component Epoxy Adhesive	548.13-14	Recently finished; 7 years until expiration
	Standard Specification for Repairing Concrete with Epoxy Mortars	548.14-14	Recently finished; 7 years until expiration
	Specification for Crack Repair by Epoxy Injection	503.7-07	No activity; Due

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; 3 years until expiration
563 – Specifications for Repair of Structural Concrete in Buildings	Specification for Repair of Existing Structural Concrete	New	Balloting