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## AGENDA

### TAC Specifications Committee

Wednesday March 29, 2006

7:00 to 10:00 AM

Westin Hotel, Trade  
Charlotte, NC

#### Voting Members:

Nicholas J. Carino, Chair  
Todd R. Watson, Secretary (Non-voting)  
Jon B. Ardahl  
William L. Barringer  
William C. Bretnall  
Jeffrey W. Coleman  
D. Gene Daniel

Ronald L. Hollrah  
Alfred L. Kaufman, Jr.  
W. Calvin McCall  
Myles A. (Tony) Murray, TAC Contact  
Aimee Pergalsky  
Arthur T. Weiss, Jr.

#### Associate Members

Karl J. Bakke  
James R. Baty  
Daniel P. Dorfmueller  
Dale Fisher

Sidney Freedman  
Kenneth G. Kazanis  
William H. Oliver, Jr.  
Michael S. Stenko

### 1. Call to Order and Introduction of Members and Visitors

#### 1.1 Approval of Agenda

**ACTION:** Are any changes to the agenda required?

#### 1.2 Approval of Minutes

**ACTION:** Does TSC approve the Minutes of the fall 2006 meeting in Kansas City?

#### 1.3 Membership Report

**REPORT:** Dale Fisher has been appointed as Associate Member representing Committee 522, Pervious Concrete. Representatives from Committees 423 and 304 are

still needed. Exhibit 1.3 shows the current roster. Members are asked to review the roster and inform Secretary Watson of any corrections.

**ACTION:** Are there any ACI members that should be encouraged to join TSC?

## 2. ACI Specification Manual (*ASpM*)

### 2.1 2005 version of *ASpM*

The 2005 version of the *ACI Specifications Manual* has been published and is available (after this meeting) on the ACI Web site at:  
[http://www.concrete.org/COMMITTEES/com\\_forms.htm](http://www.concrete.org/COMMITTEES/com_forms.htm).

### 2.2 Punch list

Exhibit 2.2 shows the new punch list of changes to the 2005 version of the *Manual*. An action plan for addressing these items will be discussed.

**ACTION:** 1) Tasks will be assigned to begin work on the revision.  
2) Are there any other proposed changes to the *Manual* that should be added to the punchlist?

## 3. Status of Specification Activities

### 3.1 Updates

**Background:** TSC members are assigned as liaisons to ACI committees known to be working on or planning to work on a specification. Committee members are appointed as associate members of TSC (unless the TSC liaison is also a member of the committee). Exhibit 3.1 summarizes ACI specification activities and current membership assignments.

**REPORT:** TSC Liaison and Associate Members are asked to report their respective committees' activities, update Exhibit 3.1, and discuss any actions required of TSC.

Committee 117: Liaison Tony Murray. Associate Member Karl Bakke.  
Committee 301: Liaison Jon Ardahl.  
Committee 303: Liaison Alfred Kaufman. Associate Member Dan Dorfmueller.  
Committee 304: Liaison Art Weiss. Associate Member TBD  
Committee 305: Liaison Gene Daniel  
Committee 306: Liaison Aimee Pergalsky.  
Committee 308: Liaison Aimee Pergalsky.  
Committee 330: Liaison Art Weiss. Associate Member Ken Kazanis.  
Committee 336: Liaison Art Weiss. Associate Member Billy Oliver.  
Committee 346: Liaison Alfred Kaufman.  
Committee 347: Request for a specification pending.  
Committee 350: Liaison Jon Ardahl.  
Committee 423: Liaison Gene Daniel.  
Committee 503: Liaison Tony Murray.  
Committee 506: Liaison Jon Ardahl.  
Committee 522: Liaison Aimee Pergalsky. Associate Member Dale Fisher  
Committee 530: Liaison pending committee decision on future of specification.  
Committee 533: Liaison Art Weiss. Associate Member Sidney Freedman.  
Committee 548: Liaison Art Weiss. Associate Member Mike Stenko.  
Committee 551: Liaison Alfred Kaufman. Associate Member Jim Baty.

### **3.2 Availability of Committee Specifications**

To assist TSC liaisons in keeping track of the need for updating existing specifications, it was suggested in Kansas City that all ACI specifications be made available to TSC members on the TSC Web pages.

**REPORT:** Todd Watson will provide update.

## **4. Specification Review**

**Background:** Section 1.3.3 of the *ASpM* explains the TSC review process for ACI specifications. The intent is for TSC to review new and revised documents when they are being balloted by the committees. ACI staff has been made aware of all specification-writing committees so that TSC reviews will be triggered when documents are being balloted.

**REPORT:** 1) ACI 350 has issued a ballot for their new specification. Jon Ardhal will monitor for conformance to Style Manual.

2) Bill Barringer reviewed the ITG 4.1 specification of high-strength concrete for high-seismic regions.

## **5. Requests for New Specifications**

### **5.1 Committee 440**

Committee is 440 discussing developing a specification for FRP reinforcement. On 2/7/06, Carino informed 440 Chair John Busel that the proposal appears to be a “materials” specification, and that it should follow the ASTM specification format rather than the ACI Specification Manual. The committee was also informed that they should request TAC approval for this activity.

**REPORT:** Carino will report any new information.

## **6. Planning**

### **6.1 TSC Mission (For Information)**

The TSC mission is: “Assist the technical committees in preparing and maintaining specifications in the correct format and language, and manage specification development by the Institute.”

### **6.2 Proposed Goals for 2006**

- Assist ACI 301, as needed, in completing its reorganization;
- Maintain updated database of ACI specification activities;
- Review draft specifications for conformance to the Specification Manual in a timely manner;
- Organize session for Atlanta on writing ACI specifications;
- Maintain punch list for future revision to the *ACI Specification Manual*;

## **7.0 ACI Specification Policy**

### **7.1 Background**

Refer to the minutes of the previous four TSC meeting for background. On February 8, 2004, Chair Carino submitted to TAC the TSC recommendation for the reorganization of ACI 301. At the fall 2004 meeting, TAC selected Cal McCall for a three-year term to implement this reorganization. At the spring 2005 New York City convention, a meeting was held with Chairs of the committees directly affected by the new format for ACI 301. At the fall 2005 convention in Kansas City, the reorganized Committee 301 held its first meeting. McCall reported that, in consultation with the Subcommittee Chairs, about 30 voting and 30 non-voting (subcommittee only) members have been appointed to ACI 301. He also suggested that the Chairs of the expert committees that are within the scope of ACI 301 should be added as consulting members so that they will receive all Committee 301 correspondence. As of March 15, 2006, this had not been done.

**REPORT:** McCall is asked to provide update on the reorganization of ACI 301 and discuss any issues that require TSC attention or action.

## 7.2 e-Specifications

ACI Staff, TSC, and ACI 301 Chair McCall have been discussing the idea of preparing an “active” electronic specification that can be tailored to a specific project and included directly in the project specifications. Action on this item is tabled until additional direction is provided by ACI.

**QUESTION:** What is the role of TSC on this subject?

## 8. Training on Specification Writing

### 8.1 Workshop

At the San Francisco meeting, TSC approved an outline for a proposed TSC workshop on writing specifications. TSC members Pergalsky and Weiss forwarded the Chair information that they had accumulated on the subject. Carino prepared a first draft of the presentation slides and posted them to the Draft Documents section of the Committee Web page.

[http://www.concrete.org/COMMITTEES/MemWorkDraftDocs.Asp?committee\\_code=000098-00](http://www.concrete.org/COMMITTEES/MemWorkDraftDocs.Asp?committee_code=000098-00)

There are 5 modules as follows:

- Introduction
- Process to develop ACI specifications
- ACI Specifications in context of Project
- ACI Specification format
- Writing the Specification

Carino, Weiss, (Moderator), Pergalsky, and Coleman are the current presenters.

The session, originally scheduled for the fall 2005 convention in Denver, has been postponed to the spring 2007 convention in Atlanta to allow more time to work on the content.

**REPORT:** Carino will lead the discussion on the draft modules

**ACTION:** Time table for preparing final versions will be discussed.

**9. New Business**

**10. Introduction of New Chair**

**11. Next Meeting**

**11. Adjournment**

**EXHIBITS:**

Exhibit 1 — TSC Roster with Contact and Assignment Information

Exhibit 2.1 — — *ASpM* Punch List

Exhibit 3 — ACI Specifications Activity Database

**Copies:**

James R. Cagley, President, ACI

Thomas Verti, Vice President, ACI

David Darwin, Vice President, ACI

Anthony E. Fiorato, Past President, ACI

William R. Tolley, Executive Vice President, ACI

Sharon L. Wood, Chair, ACI TAC

Daniel W. Falconer, Secretary, ACI-TAC

**Exhibit 1.3  
 TSC Contact Information**

January 2006			
Name	Assignment	Telephone No.	E-Mail Address
<b>TSC Officers and TAC Contacts</b>			
Nicholas J. Carino	Chair	301/975-6063	<a href="mailto:ncarino@nist.gov">ncarino@nist.gov</a>
Todd R. Watson	Secretary TSC (NV)	248/848-3728	<a href="mailto:todd.watson@concrete.org">todd.watson@concrete.org</a>
Sharon Wood	Chair TAC	512/471-7298	<a href="mailto:swood@mail.utexas.edu">swood@mail.utexas.edu</a>
Daniel W. Falconer	Secretary TAC	248/848-3726	<a href="mailto:daniel.falconer@concrete.org">daniel.falconer@concrete.org</a>
M. A. (Tony) Murray	TAC Contact	303/688-8244	<a href="mailto:tmurray@restruaction.com">tmurray@restruaction.com</a>
<b>Voting Members</b>			
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Aimee Pergalsky	308, 522	216/491-9265	<a href="mailto:geoaimee@aol.com">geoaimee@aol.com</a>
Arthur T. Weiss, Jr.	304, 330, 336, 533, 548	770/860-1942	<a href="mailto:aweiss7501@aol.com">aweiss7501@aol.com</a>
<b>Associate Members</b>			
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*Text e-mail messages only; mail hard copies of any attached files			

**Exhibit 2.2**  
**2005 ACI Specification Manual Punch List of Future Changes**

<b>Section</b>	<b>Issue</b>	<b>Action</b>
<b>APPROVED REVISIONS</b>		
	Update dates of specifications used in examples.	In 2.3.3.3, Revise to ACI 301-05 and ensure that blocked text agrees with the current version of ACI 301. In 6.2, Revise to ACI 301-05 and check whether parenthetical expression is still needed. Check excerpted text for agreement with 05 edition.  <b>DONE</b>
<b>PROPOSED REVISIONS</b>		
1.2.2	Revisit definitions for submit and submittal (should it say “for review or acceptance”).	Nov. 2005: added to punch list.
1.3.5	Should specifications be in dual units? Board policy requires that they are.	Nov. 2005: added to punch list.
3.3	An ACI Committee may wish to write a “materials” specification when an ASTM specification is lacking. In this case the “execution” part is not appropriate, since that is directed to the Contractor.	April 2005: Explain that an ACI specification needs three parts if all of them are necessary.  Nov. 2005: Revisit after the 2005 TCM is issued.
3.4	Review definitions of checklists. TAC had suggested adding “that require a decision” to the definitions in 3.4.2, 3.4.3, and 3.4.5.	Nov. 2005: added to punch list.
5.2.2	Some TSC members question whether reference specifications should be allowed to have commentaries. Review whether 5.2.2 should be deleted.	Nov. 2005: added to punch list.
	Revise format of reference specifications so that all non-mandatory text (Notes to Specifier) follows the mandatory text (Specification).	Nov. 2005: Added to punch list.

**Exhibit 3.1  
 ACI SPECIFICATIONS ACITIVITY DATABASE**

<b>Comm. No.</b>	<b>Title</b>	<b>Specification</b>	<b>Status</b>	<b>Comment/ Action</b>	<b>TSC Liaison</b>	<b>Nonvoting TSC Members</b>
117	Tolerances	Standard Specifications for Tolerances for Concrete Construction and Materials	117-90	Open for public discussion Nov. 1, 2004 – Jan. 31, 2005. Will be published in 2006.	Murray	Bakke
301	Specifications for Concrete	Specifications for Structural Concrete	301-05	Published Spring 2005. New Committee organized.	Ardahl (M)*	Not needed
303	Architectural CIP Concrete	Standard Specification for Cast-in-Place Architectural Concrete	303.1-97	Not currently revising the specification. Will be rolled into new ACI 301.	Kaufman	Dorfmueller
304	Measuring, Mixing, Transporting, and Placing Concrete	Guide Specification for Underwater Concrete	In preparation	Approved by TSC April 2005; TAC approved July 2005.	Weiss	TBD – Holland or Yao
305	Hot Weather Concreting	Standard Specification for Hot Weather Concreting	In Preparation	Responding to public comment.	Daniel	Not needed
306	Cold Weather Concreting	Standard Specification for Cold Weather Concreting	306.1-90 (R-98)	No action on Spec. Working on report first.	Daniel	
308	Curing Concrete	Standard Specification for Curing Concrete	308.1-98	Ballot closes 11/04/05. Aimee to	Pergalsky (M)*	Not needed



<b>Comm. No.</b>	<b>Title</b>	<b>Specification</b>	<b>Status</b>	<b>Comment/ Action</b>	<b>TSC Liaison</b>	<b>Nonvoting TSC Members</b>
				check compliance with ASpM.		
330	Concrete Parking Lots and Site Paving	Standard Specification for Plain Concrete Parking Lots	330.1-03	No action reported.	Weiss	Kazanis
336	Footings, Mats, and Drilled Piers	Specification for the Construction of Drilled Piers	336.1-01	No action reported. Weiss to recommend revise at least to comply with ASpM.	Weiss	Oliver
346	CIP Pipe	Specification for Cast-in-Place Concrete Pipe	346-01	No action reported. Al to work on revising it.	Kaufman (M)*	Not needed
350	Environmental Structures	Specification for Environmental Engineering Concrete Structures	In preparation	Committee ballot 2-10-06.	Ardahl (M)*	Not needed
423	Prestressed Concrete	Specification for Unbonded Single Strand Tendons and Commentary	423.6-01/423.6R-01	TSC approved plan to prepare materials spec and separate installation spec 4/05.	Daniel	423 Chair (Bruce Russell) to appoint TSC rep.
503	Adhesives in Concrete	Standard Specification for Bonding Concrete, Steel, Brick and Other Materials to Hardened Concrete with a Multi-Component Epoxy Adhesive	503.1-92 R97	Format revision overdue	Murray (M)*	Not needed
		Standard Specification for Bonding Plastic Concrete to Hardened Concrete with a Multi-Component Epoxy Adhesive	503.2-92 R-97	Format revision overdue		

<b>Comm. No.</b>	<b>Title</b>	<b>Specification</b>	<b>Status</b>	<b>Comment/ Action</b>	<b>TSC Liaison</b>	<b>Nonvoting TSC Members</b>
		Standard Specification for Producing a Skid Resistant Surface on Concrete by the Use of a Multi-Component Epoxy System	503.3-92 R97	Format revision overdue		
		Standard Specification for Repairing Concrete with Epoxy Mortars	503.4-92 R97	Format revision overdue		
		Standard Specification for Crack Repair by Epoxy Injection	503.7-XX	Public discussion ended 11/30/05. Committee preparing closure.		
506	Shotcreting	Specifications for Shotcrete	506.2-95	Revising.	Ardahl (M)*	Not needed
		Guide Specification for Underground Shotcrete		TSC did not approve 4/05. Should be a report.		
522	Pervious Concrete	Specification for Pervious Concrete Pavements	In preparation	Request approved by TAC July 2005.	Pergalsky	Fisher
533	Precast Panels	Proposed Specification on Precast Panels	In preparation.	TAC approval needed. Will be folded into ACI 301?	Weiss	Freedman
548	Polymers in Concrete	Standard Specifications for Latex Modified Concrete (LMC) Overlays	548.4-93 R98	Format revision overdue	Weiss	Stenko
		Standard Specifications for Type EM Polymer Concrete Overlays	committee revising	Submitted to TAC for review July 2004 meeting. Not approved (3R). Plan to resubmit after KC.		

Comm. No.	Title	Specification	Status	Comment/ Action	TSC Liaison	Nonvoting TSC Members
		Standard Specifications for Type ES Polymer Concrete Overlays	committee revising	Submitted to TAC for review July 2004 meeting. Not approved (3R). Plan to resubmit after KC.		
551	Tilt-Up Construction	Specification on Tilt-Up Construction	In preparation.	Being rolled into 301; not clear if will keep a stand alone.	Kaufman	Baty

\*(M) indicates that the TSC liaison is also a member of the committee and an associate member from that committee is not necessary.