



American Concrete Institute  
*Always advancing*

April 29, 2021

**MINUTES**  
**TECHNICAL ACTIVITIES COMMITTEE**  
**Virtual Meeting**  
**March 27, 2021**  
**1 – 5 pm**

**Mission:** Manage the affairs of the Institute related to technical committee activities, development of ACI standards, oversight of the technical content of convention programs, and archival and special publications of the Institute including peer-reviewed articles in symposium volumes.

**Members:** Michael C. Brown, Chair                      Matthew R. Senecal, Secretary

Theresa M. Ahlborn                                      Timothy S. Folks                                      Robert J. Frosch

Wassim M. Ghannoum                                      Mary Beth D. Hueste                                      Keith E. Kesner

Kamal H. Khayat    Carl J. Larosche    Tracy D. Marcotte

Barzin Mobasher    Anton Schindler    Thomas J. Van Dam

Jason Weiss (incoming TAC)

**Staff:** Kelly D. Dudley                                      Khaled Nahlawi    Michael L. Tholen

Gregory M. Zeisler

**Visitors:** Charles Hanskat                                      Lisa Giroux    Reza Kianoush

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#### 4. TASK GROUPS, LIAISONS, AND SUBCOMMITTEES (*Open Meeting*)

Reference: TAC Agenda, October 24, 2020, Exhibit 4.

REPORT: A current listing of TAC Task Groups/Subcommittees and Representatives to Other Organizations is shown in Exhibit 4. TAC task groups not reported in Section 4 are:

- TAC Awards TG, Item 3.2
- TCM Subcommittee, Item 5.1
- Session Review TG, Item 7.1

ACTION: This item was for information only.

##### 4.1 ACI-ASTM Division of Responsibility for Standards Liaison

References: TAC Minutes, July 12-14, 2017, Item 4.1, page 5, and Exhibit 4.1, page E-1.  
TAC Minutes, July 11-13, 2018, Exhibit 4.1.

Members are:

- Matt Senecal (ACI staff)
- Michael Brown (ACI-TAC)

REPORT: At the summer meeting, Senecal reported that ACI has an ongoing meeting with ASTM to discuss potential conflicts. There are currently no action items between ACI and ASTM.

ACTION: This item will only be discussed at the summer meeting, unless TAC action is required.

#### 4.2 ACI/ASCE-SEI Joint Subcommittee

DJ Belarbi was re-appointed as chair of this joint subcommittee by TAC Chair Brown in Spring 2021.

Members are:

- Khaled Nahlawi (ACI staff)

REPORTS: 1) Upon becoming Chair of TAC, former TAC Liaison Michael Brown, appointed staff member Nahlawi as the liaison for this subcommittee.

2) ACI/ASCE-SEI joint committee, when established, used to meet twice a year at conventions. The meetings were an opportunity for ACI/ASCE-SEI to stay updated on the activities of the joint committees. However, poor attendance suggested that meeting once a year would be more beneficial and would encourage committee chairs to attend. This did not fair much better. In 2019, the chair recommended that future meetings will be virtual; once a year at the end of January or February. If an issue arises or there is a need for face-to-face meeting, then the committee will schedule a meeting at a future convention.

ACTION: This item will only be discussed at the summer meeting, unless TAC action is required.

CONTACT: Nahlawi

#### 4.3 ISO/TC 71 Liaison

References: TAC Agenda, July 12-14, 2017, Exhibit 4.3, page E-6.  
TAC Minutes, July 12-14, 2017, Exhibit 4.3, page E-3.  
TAC Agenda, July 11-13, 2018, Exhibit 4.3.  
TAC Minutes, July 15-16, 2020, Exhibit 4.3.

The American National Standards Institute (ANSI) represents the U.S. as Secretariat for International Standards Organization (ISO) Technical Committee 71, Concrete, Reinforced Concrete, and Prestressed Concrete. ANSI has delegated the administration of ISO/TC 71 to ACI.

Zeisler reported that on July 9, 2020, ANSI let ISO know we are relinquishing both secretariats. Full report was shown in the Summer Minutes Exhibit 4.3.

ACTION: This item will only be discussed at the summer meeting, unless TAC action is required.

CONTACT: Zeisler

#### 4.4 Strategic Development Council (SDC) Liaison

References: TAC Agenda, July 17-19, 2019, Supplemental Exhibit 4.4.  
TAC Minutes, July 17-19, 2019, Exhibit 4.4.

ACTION: This item will only be discussed at the summer meeting, unless TAC action is required.

CONTACT: Larosche

#### 4.5 MOUs with Related Organizations

At the 2010 fall meeting, TAC asked staff to provide a list of Memorandum of Understanding (MOUs) and joint committees. This list is limited to U.S.-based institutions. ACI has over 40 International Partnership Agreements, IPAs, that include government agencies and foreign concrete societies, see <https://www.concrete.org/aboutaci/internationalagreements.aspx> for more information. ACI is the major sponsor for all the joint committees except where noted otherwise.

<b>Organization</b>	<b>Date of MOU</b>	<b>Joint technical committee(s)</b>
ASTM	February 1936	None
ASME	June 1984	359 (ACI minor sponsor)
TMS	October 2006	122, 216
SEI/ASCE	January 2007	334, 343, 352, 421, 423, 441, 445, 447, 550
	April 2008	408, 446
	January 2014	369
	September 2014	335 (ACI minor sponsor)
AISC	January 2007	None
TCA	April 2007	None
CRSI	July 2007	315 (General MOU only)
ASCC	January 2016	117
	April 2018	310
ICRI	June 2017	None
NACE	November 2010	None
PCI	February 2020	319
PTI	June 2020	320

**ACTION:** Keep this item on future agenda as an information only item.

#### 4.6 Technical Exchanges with International Societies and Partners (TEISP) Task Group

References: TAC Agenda, October 13-14, 2017, Exhibit 4.7, pages E-3 to E-6.  
TAC Minutes, July 17-19, 2019, Exhibit 4.6.

The 2020 TEISP Task Group members are:

- Barzin Mobasher (Chair)
- Kamal Khayat
- Mary Beth Hueste
- Wassim Ghannoum

At the 2018 summer meeting, Krstulovic reported that there is a lack of applications coming in from the Technical Cooperation Program. He suggested we advertise in CI.

TAC contacts are asked to approach their committee chairs and be sure they are aware of the Technical Cooperation Program.

Potential committees that may be interested in applying are: 122, 130, 201, 222, 225, 228, 231, 236, 237, 238, 239, 240, 241, 242, 318, 350, 355, 365, 369, 370, 440, 444, 445, 544, 548, 549, 550, and 562.

One applicant, Remy Lequesne, submitted for sponsorship in August 2018. He was approved to attend the *fib* commission meetings on behalf of ACI 408. This is the only application approved so far.

Krstulovic's report was shown in Exhibit 4.4 of the summer minutes.

In January 2020, the Codes and Standards Advocacy and Outreach Committee (CSAO) approved two people for the Technical Cooperation Program.

- Lisa Feldman, *fib*, TG 2.5, London
- Shana Kelley, *fib*, Commission 7, Prague

A concrete international article will be published for the April edition highlighting the program and its recipients.

Mobasher agreed to chair this TG once Krstulovic's TAC term ended after the Spring 2020 TAC Meeting.

At the summer meeting, Mobasher suggested there be more streamlining in the communication with the liasions.

Khayat, Hueste, and Ghannoum joined this TG. The TG should review the FIS for the Technical Cooperation Program to be sure they understand what the resources are meant to accomplish. Senecal posted the FIS so that all of TAC can see it. Marketing for the Technical Cooperation Program could improve (potentially remind the chairs about it at the next chair breakfast).

REPORT: Keep on future agenda. TG will not disband at this time.

ACTION: This item will only be discussed at the summer meeting, unless TAC action is required.

CONTACT: Mobasher



#### 4.7 Codes and Standards Advocacy and Outreach Committee (CSAO)

References: TAC Minutes, July 12-14, 2017, Exhibit 4.8, page E-4.  
TAC Minutes, July 12-14, 2017, Exhibit 4.9, page E-5.  
TAC Minutes, July 11-13, 2018, Exhibit 4.7.

CSAO is reaching out to state code officials to promote ACI 562. They are also looking at port authorities and owners of LNG tanks for ways to promote ACI 562 and other repair documents.

At the summer meeting, Zeisler reported that CSAO has approved some position statements to assist in code advocacy.

**ACTION:** This item will only be discussed at the summer meeting, unless TAC action is required.

**CONTACT:** Frosch

#### 4.8 TAC Repair and Rehabilitation Committee (TRRC)

References: TAC Agenda, July 12-14, 2017, Exhibit 4.10 A, page E-18, and Supplemental Exhibit 4.10 B.  
TAC Minutes, July 12-14, 2017, Item 4.10, page 9.  
TAC Minutes, July 11-13, 2018, Exhibit 4.9.

TRRC members are:

- Chuck Larosche (Co-Chair)
- Keith Kesner (Co-Chair)
- Khaled Nahlawi (ACI staff)

At the 2019 spring TAC meeting, further discussion was had on the direction of the subcommittee. It was noted that maybe the committee could help with research proposals on needs in the repair industry.

Marcotte was appointed the new chair of TRRC.

**REPORT:** Marcotte's term on TAC is expiring this Spring.

**ACTION:** 1. Larosche and Kesner will co-chair TRRC.  
2. Remove Mike Stenko and Tracy Marcotte from the TRRC roster.

**CONTACT:** Marcotte

#### 4.9 TAC Construction Standards Committee (TCSC)

References: TAC Minutes, July 20-22, 2016, Item 4.13, page 13.  
TAC Minutes, July 12-14, 2017, Item 4.11, page 10.  
TAC Minutes, July 11-13, 2018, Item 4.10.

TCSC members are:

- Chuck Larosche (Chair)
- Tracy Marcotte
- Mike Stenko
- Mike Tholen (ACI staff)

TCSC members have reviewed Chapter 6, Format and Language for Construction Specifications, of 2018 *TCM* and discussed proposed changes at the ACI Fall 2018 Convention. Of importance is the use of Architect/Engineer and Specialty Engineer. Many specifications, such as 301, use Architect/Engineer but since that specification has precast, tilt-up and other items, the contractor may be hiring a specialty engineer who will have responsibilities. Thus one term, Architect/Engineer, may not be sufficient. TCSC will be discussing these items and welcomes any members of the *TCM* subcommittee that would like to be part of this discussion.

TCSC is looking to revise the *TCM* on items related to specifications. They would like a cross-out/underline version of the previous *TCM* to see what changes have been made.

At the 2019 spring TAC meeting, Larosche replaced Suprenant as chair on TCSC.

At the 2019 summer meeting, Larosche reported that the committee had a productive meeting in Quebec.

Mike Stenko requested to remain a member of TCSC.

**ACTION:** This item will only be discussed at the summer meeting, unless TAC action is required.

**CONTACT:** Larosche

#### 4.10 Committee Numbering Task Group

References: TAC Agenda, July 15-16, 2020, Item 11.1.  
TAC Agenda, July 15-16, 2020, Item 3.3.3.  
TAC Agenda, July 15-16, 2020, Exhibit 4.10.  
TAC Agenda, October 24, 2020, Supplemental Exhibit 4.10a and 4.10b.

At the 2019 spring TAC meeting, Marcotte requested we change the committee number of Committee 564 to something in the 300s. A task group was formed to evaluate the committee numbering system. The TG members were Marcotte, Larosche, Khayat, and Kahn. Staff member Dudley could assist if needed.

TAC requested assistance from the ACI Marketing Department to determine if there is a significant advantage to renumbering the committees. See report below.

In Item 3.3.3, TAC approved a ballot numbering the Durability Code Committee, ACI 321. In a separate email, more information on the structure of our current code number system was presented. The Board in 1962 reorganized the Technical Committee Structure as follows:

**100 Research and Administration**—This group contains all research and administrative committees governed by TAC including any committees not logically placed in other subdivisions.

**200 Materials and Properties of Concrete**—This group contains all committees dealing with materials in concrete and properties of concrete but not with construction or structural design practices of concrete.

**300 Design and Construction Practices**—This group contains all committees whose missions include design and construction practices. If design includes recommendations or specifications on field procedure the committee is in this group.

**400 Structural Analysis**—This group contains only those committees dealing with analysis of structures or analysis of design practices. It does not cover construction practices.

*Note that the website now states, Concrete Reinforcement and Structural Analysis.*

**500 Special Products and Special Processes**—This group contains all committees dealing with special products used with concrete or special processing of concrete.

*Note that the website now states, Special Applications and Repair.*

A spreadsheet, Exhibit 4.10, was also distributed that shows the history of the committee numbering system.

REPORT: ACI Marketing was asked to look at the numbering. At first, the numbering itself did not seem to be something Marketing could provide help with but, when mixed with the discussion of grouping codes together, it gave them something to work with.

ACI Marketing presented for TAC on how we may market codes as a suite of codes and questioned does numbering matter.

Renumbering the committees at this time is not critical. Trying to keep new code committees close to the 318, 319, etc., is preferred. The existing code committees have established histories and are currently referenced in external documents. Their number should remain the same. It is agreed that a committee number is not as important to the external users and that better marketing solutions are needed.

#### 4.10 Committee Numbering Task Group (Continued)

TAC agreed that the revised nomenclature and title reorganization presented by ACI Marketing is good, but a TG should review the details. The TG will act in an advisory role to Marketing.

The new TG members are: Frosch (chair), Schindler, Folks, Larosche, and Hueste.

The Document Titles/Committee Numbering Task Group met virtually on August 21, 2020.

At the December meeting, TAC authorized staff to move forward with the title structure change as given by the Marketing Department and have the TCM TG start working on associated language for the manual. TAC would like an update from staff at the next TAC meeting. This TG was discharged with the thanks of TAC.

**REPORT:** Senecal reported that staff has changed the designations, but are working on the title changes. Frosch mentioned the *TCM* needs to be updated to reflect the changes. Also staff should explore how to implement the document name changes more quickly rather than allowing names to be grandfathered until the next published revision, which could take over a decade for some documents. The pdf only versions could be changed presently.

**ACTION:** This item can be removed from future agenda.

**CONTACT:** Frosch

5. TECHNICAL COMMITTEE PROCEDURES (*Open Meeting*)5.1 TCM Subcommittee

References: TAC Minutes, July 17-19, 2019, Item 5.1, page 18.  
TAC Agenda, October 18-19, 2019, Item 5.1, page 18, and  
Supplemental Exhibit 5.1  
TAC Minutes, July 15-16, 2020, Item 5.1, page 20.  
TAC Minutes, October 24, 2020, Item 5.1, page 20.  
TAC Agenda, October 27, 2021, Item 5.1, page 21.

The *TCM* Subcommittee reviews proposed *TCM* changes and all suggested revisions.

At the 2020 summer meeting, TAC appointed the following *TCM* Subcommittee members:

- Tracy Marcotte (Chair)
- Kamal Khayat
- Mary Beth Hueste
- Anton Schindler
- Shannon Banchemo (ACI staff)

REPORT: The *TCM* Subcommittee reviewed the proposals for revision in October. A TAC ballot was issued on January 13, 2021 with a canvassing date of January 31, 2021.

ACTION: TAC selected Kamal Khayat as the new chair of the Subcommittee for the 2022 *TCM*.

CONTACT: Marcotte

### 5.1.1 Proposed Revisions to the 2020 TCM

References: TAC Agenda, March 27, 2021, Item 5.1.1, pages 22 to 23 and Exhibit 5.1.1.

Exhibit 5.1.1 was a web ballot issued January 13, 2021, ending January 31, 2021 to resolve the negatives for the 2020 TCM.

The comments received in the following items were editorial and accepted. Item 2) Van Dam withdrew his negative based on an editorial clarification.

#### Item 1) Section 2.7.4

Out of the 13 eligible voting members 8 voting members voted affirmative with no comments, 2 voted affirmative with comments (Frosch and Schindler) and 3 did not return (Brown, Larosche, and Mobasher).

ACTION: This item passed.

#### Item 2) Sections 4.2.6.5 and 7.3.3

Out of the 13 eligible voting members 7 voting members voted affirmative with no comments, 3 voted affirmative with comments (Ghannoum, Hueste, and Kesner) 1 voted negative (Van Dam), and 2 did not return (Brown and Mobasher). Van Dam withdrew his negative based on an editorial clarification.

ACTION: This Item passed.

#### Item 3) Section 6.2.6.10

Out of the 13 eligible voting members 11 voting members voted affirmative with no comments and 2 did not return (Brown and Mobasher).

ACTION: This item passed.

#### Item 4) Sections 5.2.1, 6.2.5, and 8.1.2

Out of the 13 eligible voting members 10 voting members voted affirmative with no comments, 1 voted affirmative with comments (Schindler) and 2 did not return (Brown and Mobasher).

ACTION: This item passed.

### 5.1.1 Proposed Revisions to the 2020 TCM (Continued)

#### Item 5) Section 4.2.1

Out of the 13 eligible voting members 10 voting members voted affirmative with no comments, 1 voted affirmative with comments (Schindler) and 2 did not return (Brown and Mobasher).

ACTION: This item passed.

#### Item 6) Section 4.2.2

Out of the 13 eligible voting members 10 voting members voted affirmative with no comments, 1 voted affirmative with comments (Schindler) and 2 did not return (Brown and Mobasher).

ACTION: This item passed.

## 5.2 Liaisons

Reference: TAC Minutes, October 24, 2020, Item 5.2, page 21.  
TAC Agenda, March 27, 2021, Item 5.2, page 23.

The category of membership known as Liaisons was redefined to encourage greater participation by international organizations or individuals. Several years have gone by and the implementation of this program has raised several questions with staff.

1. In Section 1.2.3.3 of the *TCM*, it states that, "For a committee to have a liaison member, the committee must have a liaison subcommittee." This may be logical for large committees that already have many subcommittees but is confusing for small committees that do not intend to make subcommittees.
2. International organizations often partner with ACI and request that liaisons be placed on ACI committees. It is not clear who approves these requests. Section 1.5.4 of the *TCM* defines the qualifications, requirements, privileges, term, and appointment of a liaison member. In neither the qualifications or appointment section is there a description on how a liaison is elected.
3. Are there any restrictions to how many liaisons there should be from one organization? Section 1.5.4.4 of the *TCM* states that one liaison shall be made for SDC to an ITG but does not state a number for a typical organization.
4. Who determines that a request for a liaison membership is valid? What criteria is used to determine that an organization or individual, foreign, or domestic, is an acceptable liaison?

## 5.2 Proposed Revisions to the 2020 TCM (Continued)

REPORT: Staff member Senecal reported.

ACTION: TAC suggested that creation of a Liaison subcommittee is not needed when a Liaison member is added. A subcommittee may be appropriate if there are several Liaison members on the committee. TCM subcommittee will draft changes for TAC ballot based on discussion. Key points raised during the discussion:

- The need for a Liaison subcommittee is at the discretion of the chair.
- Requests for Liaison should be from International Partners or similarly identified organizations where both organizations will benefit.
- This category is for organizations not individuals.
  - Note: Individuals have other avenues to become members.
- Liaison membership will be automatic, since this an organization level relationship.
  - Note: Liaisons are nonvoting members.
- Liaison membership changes occur at the organization level.

## 6. TAC SUMMER MEETINGS (*Open Meeting*)

### 6.1 2021 Summer Meeting

1) The 2021 summer TAC meeting will be held at the Coeur D'Alene Resort in Coeur D'Alene, Idaho on July 14-16, 2021. It will be understandable that some may not feel comfortable traveling or not be permitted to travel at that time. Staff is investigating the resources needed to allow members to participate both in person and online. ACI will switch to an online format for these dates if it is determined to be safe to travel.

2) Staff member Dudley will be sending additional reservation information in the following weeks.

### 6.2 2022 Summer Meeting

Locations that TAC has previously suggested include: Bar Harbor, ME; ~~Traverse City, MI~~; Banff, Alberta; ~~Flagstaff, AZ~~; and the U.S. Virgin Islands; ~~Costa Rica~~; ~~San Diego, CA~~; ~~Charleston, SC~~; and ~~Halifax, Nova Scotia~~.

REPORT: TAC requested our events staff look into Bar Harbor, ME; Banff, Alberta; the U.S. Virgin Islands, and Sonoma County, CA for the 2022 summer meeting.

ACTION: This item was for information only.



7. CONVENTIONS (*Open Meeting*)7.1 Session Review Task Group

References: TAC Agenda, October 24, 2020, Item 7.1, page 18, and Exhibit 7.1, pages E-4 to E-10.  
TAC Minutes, October 24, 2020, Exhibit 7.1.  
TAC Agenda, March 27, 2021, Item 7.1, page 24, and Supplemental Exhibit 7.1.

The Session Review Task Group reviews all session requests for future conventions. The TG holds a virtual meeting approximately 1.5 weeks after Conventions.

At the 2020 summer meeting, TAC appointed the following TG members:

- Kamal Khayat (Chair)
- Robert Frosch
- Keith Kesner
- Barbara Coleman (ACI staff)

**REPORT:** The Task Group will meet April 26th, 2021 to review all session requests to date. The Task Group will review 40 final requests and 39 preliminary requests. The TG also reviews session requests between the fall and spring conventions, as necessary. The status of all sessions approved is shown in Minutes Exhibit 7.1.

**ACTION:** TAC was requested to appoint a new Session Review Task Group for 2021-2022. Due to time constraints this item was deferred until the 2021 summer meeting.

8. TECHNICAL COMMITTEE DOCUMENTS (*Open Meeting*)8.1 TAC Document-Related Discussion8.1.1 Document Deadlines for Upcoming TAC Review

<b>Activity</b>	<b>Spring May 12, 2021</b>	<b>Summer August 11, 2021</b>	<b>Fall November 10, 2021</b>
<b>Final 30-day letter ballot issued</b>	January 6, 2021	April 7, 2021	July 7, 2021
<b>Committee-approved document submitted to staff for editorial review</b>	February 22, 2021	May 24, 2021	August 30, 2021
<b>Document submitted to TAC and external reviewers</b>	April 5, 2021	June 28, 2021	October 4, 2021
<b>TAC Review Group conference calls</b>	May 3, 2021	August 2, 2021	November 2, 2021
<b>TAC review</b>	May 12, 2021	August 11, 2021	November 10, 2021

**ACTION:** This item was for information only.

### 8.1.2 Documents Waiting for Committee Response to TAC Comments

Reference: TAC Agenda, March 27, 2021, Exhibit 8.1.2, pages E-11 - E-12.

Agenda Exhibit 8.1.2 showed the status of all technical committee documents approved by TAC and waiting for committee response to TAC comments. TAC may withdraw approval if a committee does not respond to TAC comments within two years of TAC approval.

**PRC-201.B:** The document was approved in the summer of 2019. The chair was sent a status request on March 1, 2021. Chair Hooton responded to staff stating that the committee had decided to withdraw the document based on the number of comments, and revise and resubmit at a later date.

**PRC-224.X:** The document was approved in the summer of 2019. A partial response to TAC comments was received January 19, 2020. Reminders were sent to the chair June 18, 2020, and March 1, 2021.

**PRC-309.5:** The document was approved in the spring of 2019. Per Chair Jaworski, there were several issues holding the document back. Staff made suggestions and recommended the chair speak with the committee's TAC Contact for further assistance.

**ACTION:** This item was deferred until the summer meeting.

**CONTACTS:** 201: Van Dam                      224: Mobasher                      309: Ahlborn

### 8.1.3 Committee 359 – Request to Approve Code Case from ASME III-2/ACI 359 18-1721

Reference: TAC Agenda, March 27, 2021, Exhibit 8.1.3, pages E-13 – E-21.

Committee 359 submitted a code cases for TAC approval. TAC was balloted on November 5, 2020. There were two comments and no negatives. The ballot passed. The two comments were forwarded to the chair on November 23, 2020. The ballot summary with comments and the code case were shown in Agenda Exhibit 8.1.3.

**ACTION:** This item was for information only.

**CONTACT:** Larosche

## 8.2 Document Reapproval and Withdrawal Requests

### 8.2.1 Committee 360 – Negative Resolution on Reapproval of: “Guide to Design of Slabs on Ground” (ACI-PRC-360-10)

References: TAC Agenda, March 27, 2021, Exhibit 8.2.1, pages E-22 – E-104.

Committee 360 requested reapproval of 360R-10 for five years while the committee works on a revision. TAC was balloted on January 22, 2021. Two negatives and three comments were received. The ballot summary, comments, and PDF of 360R-10 were included as Agenda Exhibit 8.2.1.

- ACTION:
- a. TAC found the negative comments persuasive and reapproved the document for three years, as long as the references are updated.
  - b. TAC Contact Larosche relayed TAC’s requirements to the committee. The committee agreed that the change was necessary.

*Note: Staff contacted the Chair on April 15, 2021, for a status update on how the committee is handling the requirement. A response has not yet been received.*

CONTACT: Larosche

## 8.3 Requests to Develop New Documents

### 8.3.1 Committee 228 – Ballot Summary on Request to Develop a TechNote: “Calibration, Verification, and Validation in the NDE Practice”

Reference: TAC Agenda, March 27, 2021, Exhibit 8.3.1, pages E-105 – E-108.

Committee 228 requested permission to develop a new TechNote. TAC was balloted on November 19, 2020. The ballot passed with no comments. The ballot summary and Document Development Request were included as Agenda Exhibit 8.3.1.

ACTION: This item was for information only.

*Note: The committee was notified of TAC action on January 5, 2021.*

CONTACT: Schindler

8.3.2 Committee 445 – Ballot Summary on Request to Develop a Report: “Shear Design and Behavior in Structural Concrete”

Reference: TAC Agenda, March 27, 2021, Exhibit 8.3.2, pages E-109 – E-112.

Committee 445 requested permission to develop a new report. TAC was balloted on November 16, 2020. The ballot passed with two comments. The ballot summary with comments, and the Document Development Request were included as Agenda Exhibit 8.3.2.

ACTION: This item was for information only.

*Note: The committee was notified of TAC action and sent the comments on December 7, 2020.*

CONTACT: Frosch

8.3.3 Committee 374 – Ballot Summary on Request to Develop a Guide: “Nonlinear Modeling Parameter Development Based on Experimental Data”

Reference: TAC Agenda, March 27, 2021, Exhibit 8.3.3, pages E-113 – E-118.

Committee 374 requested permission to develop a new guide. TAC was balloted on January 7, 2021. The ballot passed with several comments. The ballot summary with comments and the Document Development Request were included as Agenda Exhibit 8.3.3.

ACTION: This item was for information only.

*Note: The committee was notified of TAC action and sent the comments on January 22, 2021.*

CONTACT: Hueste

#### 8.4 Documents Reviewed by TAC During February 22, 2021 Meeting

##### 8.4.1 Committee 122 – Proposed New: “Thermal Bridge Mitigation for Buildings having Concrete and Masonry Walls and Masonry Veneer—Code Requirements and Commentary” (ACI CODE-122.Y)

Review Group: Ahlborn; Folks, Ghannoum  
TAC Contact: Ahlborn

TAC approved the proposed new Code Requirements subject to satisfactory response to TAC comments. The committee was notified of TAC action on February 12, 2021.

ACTION: This item was for information only.

##### 8.4.2 Committee 131 – Proposed New: “BIM Level of Development Classification—TechNote” (ACI PRC-131.X)

Review Group: Folks; Ahlborn, Ghannoum  
TAC Contact: Ahlborn

TAC approved the proposed new TechNote subject to satisfactory response to TAC comments. The committee was notified of TAC action on February 17, 2021.

ACTION: This item was for information only.

##### 8.4.3 Committee 343 – Proposed Revisions to: “Analysis and Design of Reinforced Concrete Bridge Structures” (ACI 343R-94 {Reapproved 2004}) and Title Change To: “Reinforced Concrete Bridge Structure Analysis and Design—Guide” (ACI PRC-343)

Review Group: Frosch; Mobasher, Schindler  
TAC Contact: Schindler

TAC did not approve the proposed revised guide, and returned it to the committee to rewrite, rebalot, and resubmit for TAC approval. The committee was notified of TAC action on February 23, 2021.

ACTION: This item was for information only.

8.4.4 Committee 350 – Proposed Revisions to: “Specification for Tightness Testing of Environmental Engineering Concrete Structures (ACI 350.1-10) and Commentary” and Title Change To: “Environmental Engineering Concrete Structure Tightness Testing—Specification and Commentary” (ACI SPEC-350.1)

Review Group: Larosche; Marcotte, Van Dam  
TAC Contact: Larosche

TAC approved the proposed revised specification subject to satisfactory response to TAC comments. TAC would like to see the committee’s responses to TAC comments. Specifically, the review group is looking for the committee to bring the document in line with the current *TCM* specification format. The committee was notified of TAC action on February 23, 2021.

ACTION: This item was for information only.

8.4.5 Committee 355 – Proposed Revisions to: “Qualification of Post-Installed Mechanical Anchors in Concrete (ACI 355.2-19) and Commentary” and Title Change To: “Post-Installed Mechanical Anchors in Concrete—Qualification Requirements and Commentary” (ACI CODE-355.2)

Review Group: Marcotte; Larosche, Van Dam  
TAC Contact: Ghannoum

TAC approved the proposed revised standard subject to satisfactory response to TAC comments. The committee was notified of TAC action on February 10, 2021.

ACTION: This item was for information only.

8.4.6 Committee 447 – Proposed New: “Finite Element Analysis Post-Processing for Concrete Structures—Guide” (ACI PRC-447.A)

Review Group: Hueste; Kesner, Khayat  
TAC Contact: Mobasher

TAC did not approve the proposed new guide, and returned it to the committee to rewrite, rebalot, and resubmit for TAC approval. Specifically, TAC determined that the document was too focused on structural analysis. It could be divided into two TechNotes. The committee was notified of TAC action on February 11, 2021.

ACTION: This item was for information only.

8.4.7 Committee 548 – Proposed Revisions to: “Specification for Type MMS (Methyl Methacrylate Slurry) Polymer Overlays for Bridge and Parking Garage Decks” (ACI 548.10-10) and Title Change To: “Bridge and Parking Garage Deck Type MMS (Methyl Methacrylate Slurry) Polymer Overlays—Specification” (ACI SPEC-548.10)

Review Group: Van Dam; Larosche, Marcotte  
TAC Contact: Kesner

TAC did not approve the proposed revised specification, and returned it to the committee to rewrite, rebalot, and resubmit for TAC approval. Specifically, TAC felt the specification was too similar to the committee’s other specifications. TAC felt the committee could use assistance with the specification writing process. The committee was notified of TAC action on February 11, 2021.

ACTION: This item was for information only.

8.4.8 Committee 551 – Proposed New: “Pitfalls of Deviating from Slender Wall Provisions—TechNote” (ACI PRC-551.X)

Review Group: Ghannoum; Ahlborn, Folks  
TAC Contact: Larosche

TAC approved the proposed new TechNote subject to satisfactory response to TAC comments. The committee was notified of TAC action on February 11, 2021.

ACTION: This item was for information only.

8.4.9 Committee 560 – Proposed New: Appendix A and Design Examples to: “Insulating Concrete Form Design and Construction—Report ACI PRC-560-16”

Review Group: Khayat; Hueste, Kesner  
TAC Contact: Hueste

TAC approved the proposed appendix subject to satisfactory response to TAC comments and review by additional external reviewers. Staff found reviewers who provided comments. The committee was notified of TAC action and sent the additional comments on March 1, 2021.

ACTION: This item was for information only.



9. SPECIAL PUBLICATIONS (*Open Meeting*)

9.1 SPs in Progress

References: TAC Agenda, July 15-16, 2020, Item 9.1, page 27, and Exhibit 9.1, pages E-74 to E-75.  
TAC Agenda, October 24, 2020, Item 9.1, page 30 and Exhibit 9.1, pages E-396 to E-397.

The status of SPs previously approved by TAC is shown in Agenda Exhibit 9.1.

ACTION: No TAC action was required.

9.2 Proposed ACI Special Publications (SPs)

9.2.1 Final Request for SP – Materials, Analysis, Structural Design, and Applications of Textile-Reinforced Concrete/Fabric-Reinforced Cementitious Matrix

Reference: TAC Agenda, March 27, 2021, Item 9.2.1, page 37 and Exhibit 9.2.1.

Exhibit 9.2.1 was a web ballot issued December 9, 2020, ending December 23, 2020.

Out of the 13 eligible voting members 9 voting members voted affirmative with no comments, 2 voted affirmative with comments (Frosch and Schindler), and 2 did not return (Folks and Mobasher).

REPORT: Staff forwarded the comments to the SP editor and notified the editor of the ballot results. This item passed.

ACTION: This item was for information only.

9.2.2 Final Request for SP – Foundations for Dynamic Equipment

Reference: TAC Agenda, March 27, 2021, Item 9.2.2 page 37 and Exhibit 9.2.2 A.

Exhibit 9.2.2 was a web ballot issued January 21, 2021, ending February 4, 2021.

Out of the 13 eligible voting members 12 voting members voted affirmative with no comments, and 1 did not return (Mobasher).

REPORT: Staff notified the editor of the ballot results. This item passed.

ACTION: This item was for information only.

9.2.3 Preliminary Request for SP – Best Practices and Lessons Learned for Teaching Concrete Materials and Reinforced Concrete

Reference: TAC Agenda, March 27, 2021, item 9.2.3, page 38 and Exhibit 9.2.2 B.

Exhibit 9.2.2 was a web ballot issued January 21, 2021, ending February 4, 2021.

Out of the 13 eligible voting members 10 voting members voted affirmative with no comments, 2 voted affirmative with comments (Hueste and Schindler) and 1 did not return (Mobasher).

REPORT: Staff forwarded the comments to the SP editor and notified the editor of the ballot results. This item passed.

ACTION: This item was for information only.

9.2.4 Final Request for SP – Field Applications of Non-Conventional Reinforcing and Strengthening Methods for Bridges and Structures

Reference: TAC Agenda, March 27, 2021, item 9.2.4, page 38 and Exhibit 9.2.4.

Exhibit 9.2.4 was a web ballot issued November 4, 2020, ending November 18, 2020.

Out of the 13 eligible voting members 10 voting members voted affirmative with no comments, 3 voted affirmative with comments (Frosch, Hueste and Kesner).

REPORT: Staff forwarded the comments to the SP editor and notified the editor of the ballot results. This item passed.

ACTION: This item was for information only.

9.2.5 Final Request for SP – Eleventh ACI/RILEM International Conference on Cementitious Materials and Alternative Binders for Sustainable Concrete (ICCM2021)

Reference: TAC Agenda, March 27, 2021, Supplemental Item 9.2.5 and Supplemental Exhibit 9.2.5.

Supplemental Exhibit 9.2.5 was a web ballot issued March 12, 2021, ending March 19, 2021.

Out of the 13 eligible voting members 9 voting members voted affirmative with no comments, 2 voted affirmative with comments (Frosch and Mobasher), 1 abstained (Kesner), and 1 did not return (Larosche).

REPORT: Staff forwarded the comments to the SP editor and notified the editor of the ballot results. This item passed.

ACTION: This item was for information only.

### 9.3 TAC Ad-Hoc Review Task Group

Reference: TAC Agenda, March 27, 2021, Item 9.3 and Item 3.2 of these minutes.

Each year an ad-hoc review group will be selected by the Awards Task Group Chair to review and select the top two SP papers that were nominated by the SP editors.

**REPORT:** Staff has uploaded the editor's nominated papers along with their justifications to a new folder under correspondence (SP Awards) on the 90-TG11 - TAC Awards Task Group committee home page.

**ACTION:** No TAC action was required at this time.

**NOTE:** *Staff initiated a TAC ballot on April 7 with a canvassing date of April 21, 2021. The ballot results will be reported at the 2021 summer meeting.*

## 10. TECHNICAL COMMITTEE AFFAIRS (*Open Meeting*)

### 10.1 Technical Committee Chair Breakfast Meeting

The chair breakfast is held on the Monday morning of each ACI convention week. ACI technical committee chairs are expected to attend this event to hear updates on important recent developments and to meet fellow chairs, TAC members, and ACI staff. The presentations will be uploaded to the ACI website under the Document Development Guidance page.

**REPORT:** The Technical Chair Breakfast Meeting has been cancelled until further notice. Vital information will be passed along via TAC Newsletter.

**ACTION:** This item was for information only.

**CONTACT:** Brown

10.2 Leadership Training Workshop (TAC, EAC, and CPC)

Leadership Training Workshops are generally offered twice a year at ACI Headquarters and are open to all committee officers. Staff extended the invitation to subcommittee chairs.

Due to many officers having been through the training already, staff decided to only offer this training once in 2020.

The 2020 training was held at ACI HQ on February 24-25, 2020.

**REPORT:** Staff has created leadership training videos that will be uploaded to the Committee Pages. Committee officers will be asked to watch the videos, after which, an online workshop will be held. It will be a time in which they can meet with staff and ask questions. The workshop will be held this summer on a date TBD.

**ACTION:** This item was for information only.

**CONTACT:** Senecal

### 10.3 Mission Changes

#### 10.3.1 Committee 232 Title and Mission Change Request

Reference: TAC Agenda, February 10, 2021, Item 5, and Exhibit 5.  
TAC Agenda, March 27, 2021, Exhibit 10.3.1.

ACI Committee 232 met on October 26, 2020, and voted on the proposed changes listed below. The ballot passed.

On November 2, 2020, Committee 232 Chair Ivan Diaz emailed staff requesting a change to the committee's title and mission. Chair Diaz's email request and reasoning for the request as well as the the ballot results were shown in Exhibit 5. TAC was asked to discuss the negative votes.

Current Title: "Fly ash in concrete"

Proposed Title: "Fly ash and bottom ash in concrete"

Current Mission: "Develop and report information on the use of fly ash in concrete"

Proposed Mission: "Develop and report information on the use of fly ash and bottom ash in concrete as a supplementary cementitious material."

REPORTS: a) At the February 2021 TAC meeting, TAC has approved Committee 232's proposed title: **"Fly ash and bottom ash in concrete"**

TAC wanted to make a few changes to the mission so that it stays consistent with other missions.

Therefore, TAC suggested the mission of **"Develop and report information on the use of fly ash and bottom ash in concrete"**.

Staff member Dudley passed these suggestions along to Chair Diaz via email on February 11, 2021. He was not receptive to these changes because the committee does not cover aggregates as part of their work, which is within the scope of ACI 221. TAC Contact Schindler is in agreements with Chair Diaz.

b) TAC Contact for ACI 232, Schindler reported that he agreed with the reasoning of Chair Diaz.

ACTION: TAC approved the proposed title and mission change.

CONTACT: Schindler

11. POLICIES AND PROCEDURES (*Open Meeting*)11.1 New Code Committees

References: TAC Minutes, March 27-28, 2020, Item 3.3.3.  
TAC Agenda, October 24, 2020, Supplemental Exhibit 11.1a, b, and c.  
TAC Agenda, March 27, 2021, Exhibit 11.1.

At the December meeting the following questions needed to be answered so that TAC may provide adequate direction to the chair candidates for ACI 349, 350 and 440. The plan is to send TAC's decision on how code committees will operate in the future to the candidates. We should have specific direction for 349, 350, and 440. TAC agreed that code committees should have a scheduled beginning and ending date at which time the code will be published and the committee discharged.

1. Code committees are restricted to writing only a code document.
2. Code committees would be stand alone from the main committee. A suggestions is that they be called an "AFFILIATED CODE COMMITTEE". For example, 440 AFF. TAC would appoint the chair.They all operate under the same rules.
3. ACI 350 should be rolled into the new structure ASAP. Committee 350 as a technical committee will be independent from the code committee. The intent needs to be clear that there will be a new code committee and this will be discussed in the interview. This interview can take place in February at the next virtual TAC meeting.
4. ACI 440 should transition gradually because they are not finished with their work on FRP sheets and bars. Committee 440 will continue working on what they are doing. Letters needs to be written and to explain the intent. Interview for the main chair should take place in February.
5. ACI 349 transition should be gradual. Committee 349 as a technical committee will be independent from the code committee. The intent needs to be clear that there will be a new code committee and this will be discussed in the interview. This interview can take place in February at the next virtual TAC meeting.

TAC approved the following motion:

" Future code committees will be standalone independent committees and may be given a new number or a number that is affiliated with an existing technical committee."

### 11.1 New Code Committees (Continued)

At the February 2021 virtual TAC meeting, TAC appointed the new chairs for the sitting committees for ACI 349, 350, and 440. The following actions are in progress.

- Staff will start the process of establishing a new code committee for the existing code documents from ACI 350: “Code Requirements for Environmental Concrete Structures” and “Seismic Design of Liquid-Containing Concrete Structures and Commentary.”
- Staff will start the process of establishing a new code committee for a new code, “Externally Bonded Fiber-Reinforced Polymer Systems for Strengthening Concrete Structures—Code.”
- A new code committee will be established for the document, “Building Code Requirements for Structural Concrete Reinforced Internally with Fiber-Reinforced Polymer (FRP) Bars,” after the current committee, ACI 440, publishes the first version.
- A new code committee will be established for the document, “Code Requirements for Nuclear Safety-Related Concrete Structures and Commentary,” after the current committee, ACI 349, publishes the next revision.

Ballot results for the establishment of a new code committee for the existing code documents from ACI 350: “Code Requirements for Environmental Concrete Structures” and “Seismic Design of Liquid-Containing Concrete Structures and Commentary” and “Externally Bonded Fiber-Reinforced Polymer Systems for Strengthening Concrete Structures—Code” are shown in Exhibit 11.1.

REPORT: Due to time constraints, TAC was unable to discuss this item.

ACTION: This item was deferred to be discussed at the 2021 summer TAC meeting.

CONTACT: Kesner

### 11.1.1 Proposal for new Code Committee on Pools and Watershapes

Reference: TAC Agenda, March 27, 2021, Supplemental Exhibit 11.1.1.

In email to Matt Senecal, Charles Hanskat, F.ACI, Executive Director, American Shotcrete Association, requested the Development of an ACI Code for the Pool, Spa and Watershape Industry.

REPORT: The proposal was shown in Supplemental Exhibit 11.1.1.

ACTION: a. Larosche Motion: Create this new code on Pools and Watershapes. Seconded by Folks. Mobasher voted negative. Mobasher believes it is premature to develop a committee and would be preferable to develop a best practices document first. Mobasher was not found persuasive. TAC voted and approved this proposal to develop a new Code Committee on Pools and Watershapes.

b. TAC approved the proposed title: "Concrete Pool and Watershape Code"

c. TAC did not approve the original proposed mission, but did modify it and approve the following:

"Develop and maintain code requirements for concrete pools, spas, and other recreational watershapes."

d. TAC voted to approved Charles Hanskat as the chair.

e. The committee is expected to submit the formal document development request with the appropriate information about scope, audience, related committees and especially proposed outline.



## 11.2 Incrementally Updated Documents

References: TAC Minutes, October 12-13, 2018, Item 8.1.8.  
TAC Agenda, March 22-23, 2019, Exhibit 11.2.  
TAC Agenda, July 15-16, 2020, Item 8.1.3, and Supplemental Exhibit 8.1.3.  
TAC Agenda, October 24, 2020, Supplemental Exhibit 11.2.  
TAC Agenda, March 27, 2021, Exhibit 11.2a and 11.2b.

The ACI Executive staff has recently attended the *digitalNow* conference in Austin. One idea from the conference that may change how our committees operate is continuous document updating. The basic idea is that revisions to a document will be published as ballots are completed. Challenging problems are: interrelated ballots, TAC review, standardization, and delivery of this information.

The key benefit is having the latest information in the hands of the user. The current process bundles information by time limit requirements. This process incapsulates information that may have been vetted years before it reaches the public. This has created the unfortunate situation that some information is obsolete before it is published. Continuous updating can remove this problem.

A task group was formed to discuss this topic and possible committees that TAC might want to have try this. The TG members are Marcotte, Khayat, Mobasher, and Goodwin.

Feedback from TAC members:

- Many TAC members felt it would be a large burden on TAC to review every ballot.
- It could be confusing if the ballot under review was part of a series of changes; would not have full picture for review.
- Kahn suggested we get feedback from our committee chairs before we try to make too many decisions on this item.

The general feedback from the chair breakfast in Las Vegas:

- Should be optional; it would probably not work for all documents
- Would TAC consider only reviewing portions of documents?

Other interesting feedback:

- People don't like reading long documents
- Smaller documents are more manageable
- Offer an online subscription that is searchable
- Offer online editing

TAC has agreed to partially review one document since we started this discussion. In the TAC Minutes, October 12-13, 2018, Item 8.1.8, TAC granted approval for ACI 201.2R to be balloted on an ongoing basis. TAC did not set any rules on how this process would work. TAC should discuss a possible process. The biggest hurdle foreseen for this new direction is how TAC will review changes.

## 11.2 Incrementally Updated Documents (*Continued*)

Tholen presented a new product: ACI 318 PLUS. It is a searchable online product that ties many resources to the provisions of the code. This product could be expanded to present changes to documents as ballots are approved. It could become part of our document development web pages or it may be shared with a wider audience. It has the benefit of seeing the original document, the cross-out/underline version, and the final version with a click of a button. When a committee has decided they are done with their last ballot, staff can immediately send it out for review or publishing.

TAC Contact Van Dam to ask Committee 201 to provide feedback on this process and report back to TAC in fall 2019.

1) Van Dam reported that he had emailed the chair of 201 and the committee is progressing. The first chapter is in progress and they plan to move forward in the next year.

2) Process:

- The document will be published after each submission. Changes to the document may be isolated or throughout the document. It is anticipated that a committee is working on a small amount of work. The work, for example, may be on a single chapter or a concept that affects many chapters.
- TAC will be able to see the document in its entirety. TAC agrees to keep its review only to the content related to the submittal. If TAC finds that significant portions of the document are affected outside of the content of the submittal, the submittal will be returned for revision, reballoting, and resubmittal.
- A preface that describes the change shall be provided by the committee to help the public understand what has changed in this incremental improvement.

In Spring 2020, TAC voted to approve the process.

In Item 8.1.3, Committee 221 wanted a chance of having their document continuously updated. See Item for TAC comments on ballot.

## 11.2 Incrementally Updated Documents (*Continued*)

Another point of discussion is the publishing of the continuous update. ACI hopes to eventually place all technical committee documents in the 318+ system. This means that ACI will soon have the ability to show living documents. Though this may not work for code writing committees (assuming), it may be an excellent benefit for those members on non-code writing committees.

At the summer meeting, TAC discussed the pros and cons of continuous document development. The general conclusion of the discussion is that an incremental development may be more appropriate. The greatest concern is that a document may never get a comprehensive revision, if it is only updated with small improvements. It may be that a committee should submit a plan of how their document will eventually be completely revised. As part of the plan, there could be incremental publications that allow for information to be more quickly released to the public.

TAC formed an Incremental Document Development Task Group that includes: Hueste (Chair) Folks, Ghannoum, Schindler, and Senecal (staff).

The task group met virtually on September 29, 2020. An outline of their discussion is shown in Supplemental Exhibit 11.2.

Brown suggested the outline shown in Supplemental Exhibit 11.2 be balloted by TAC so the TAC Members can provide feedback.

TAC was balloted and the results are shown in Exhibit 11.2a and 11.2b.

:

REPORT: Due to time constraints, TAC was unable to discuss this item.

ACTION: This item was deferred to be discussed at the 2021 summer TAC meeting.

CONTACT: Hueste

### 11.3 Coordination of Information between Committees

References: TAC Agenda, July 15-16, 2020, Item 3.3.3.1.  
TAC Agenda, October 24, 2020, Supplemental Exhibit 11.1a, b, and c.

The creation of the new code committees has brought forward the issue of coordination between committees. Several ongoing concerns and new concerns have been raised:

- How will these new code committees coordinate with 318 or each other in the future?
- If current committees like 350 are divided, how will the code committee communicate with the technical committee on that topic?
  - Should there be liaisons between the two?
  - Do liaisons really work?
  - Should there be a code change proposal process where technical committees can bring items to the code committee? Can a member from the technical committee be a temporary liaison so that the code change proposal has a champion?
- Should TAC set up TAC subcommittees whose task it is to make sure committees are communicating? Would these subcommittees decide which information can reside where or settle disagreements?
  - See Item 3.3.3.1, TAC thought at the 2020 spring meeting that just such a committee should be made.
  - Does the role of TRRC change?
  - Do other TAC Subcommittees need to be made?

The New Code Committee Task Group will create a framework/process and eventually a code coordination committee may be established.

REPORT: Due to time constraints, TAC was unable to discuss this item.

ACTION: This item was deferred to be discussed at the 2021 summer TAC meeting.

CONTACT: Kesner

## Exhibit 7.1

## Session Requests for Atlanta, GA—Fall 2021

Sponsoring Committee Numbers	Title	Preliminary Request Received	Preliminary Number of Sessions Requested	Preliminary Number of Sessions Approved/ Approval Date		Final Request Received	Final Number of Sessions Requested/ Presentations (Papers) Requested		Final Number of Sessions Approved/ Presentations (Papers) Approved		Final Approval Date	Session Moderators
				Number Approved	Date Approved		Sessions	Papers	Sessions	Papers		
117 134	Tolerance Considerations to Enhance Constructability	10/29/20	1	1	11/18/20	4/5/21	1	6	1	6	4/26/21	Cornell Csont
120	Concrete Through the Ages	11/2/20	1	1	11/18/20	4/2/21	1	6	1	6	4/26/21	Borgerson
130 E-702	Adapting and Reuse of Concrete Structures	10/23/20	1	1	11/18/20	4/5/21	1	4	1	4	4/26/21	Kramer Hutton
134 365 222	Service Life of Concrete Infrastructure: Constructability, Construction Practices & Maintenance Efforts	4/3/20	1	1	4/21/20	Moved to Spring 2022 per phone call on 4/7/21	N/A	N/A	N/A	N/A	N/A	Vosahlik
201 232 233	Advancing Concrete Durability: A Special Session Honoring Michael Thomas	4/22/21	2	N/A	N/A	4/22/21	2	9	2	9	4/26/21	Sutter
209 564	Computer Simulations and Analytical Methods for Concrete 3D-Printing	10/30/20	1	1	11/18/20	4/2/21	1	6	1	6	4/26/21	Cusatis Ferrara
223	Shrinkage Compensating Concrete Design and Research in Memory of Edward K. Rice	3/27/20	1	1	4/21/20	4/2/21	1	7	1	7	4/26/21	Ramseyer Vallens
236 241	Graphene-Based Admixtures in Concrete	10/28/20	1	1	11/18/20	4/2/21	1	6	1	6	4/26/21	Shi Sha
236 242	Applications of Alternative Cements	10/27/20	1	1	11/18/20	3/31/21	1	6	1	6	4/26/21	Burris Ataie
237	Practical Implementation of Self-Consolidating Concrete	10/25/20	1	1	11/18/20	4/2/21	1	4	1	4	4/26/21	Harris
238 134 212	Workability Retention & Extension: Keeping Your Concrete Alive	10/25/19	1	1	11/12/19	4/3/20	1	6	1	6	4/18/20	Vosahlik Van Zetten
239 241 544	UHPC-Hot Topics	10/30/20	3	3	11/18/20	4/2/21	3	21	3	21	4/26/21	Wille

## Exhibit 7.1

## Session Requests for Atlanta, GA—Fall 2021

Sponsoring Committee Numbers	Title	Preliminary Request Received	Preliminary Number of Sessions Requested	Preliminary Number of Sessions Approved/ Approval Date		Final Request Received	Final Number of Sessions Requested/ Presentations (Papers) Requested		Final Number of Sessions Approved/ Presentations (Papers) Approved		Final Approval Date	Session Moderators
				Number Approved	Date Approved		Sessions	Papers	Sessions	Papers		
240 236 RILEM	Calcined natural Pozzolans, Including Calcined Clays	10/25/19	2	2	11/12/19	4/2/21	2	13	2	13	4/26/21	Kurtis Scrivener Juenger
301	ACI 301-20 Specifications for Concrete	10/15/19	2	2	11/12/19	Moved from Raleigh 3/18/20	2	14	2	14	11/18/20	Wilson Pergalsky
325	Sustainability Considerations for Concrete Pavements	10/28/20	1	1	11/18/20	4/1/21	1	5	1	5	4/26/21	Sullivan
341 441	Seismic Repair/Retrofit/Strengthening of Bridges at the Element of System Level	4/3/20	2	2	4/21/21	4/2/21	2	12	2	12	4/26/21	Alam Billah
342	Drones and High-Resolution Tools in Bridge Evaluation and Condition Assessment	10/28/20	1	1	11/18/20	N/A	N/A	N/A	N/A	N/A	N/A	Myers
343 342 ACI/ASCE	Live Load Distribution on Concrete Bridges: Design, Evaluation, Construction, and Innovation	10/30/20	2	2	11/18/20	3/31/21	2	12	2	2	4/26/21	Yazdani Dymond
345	Durability, Service Life, and Long-Term Integrity of Concrete Materials, Bridges, and Structures	12/19/19	2	2	4/21/20	9/16/20	2	14	2	14	11/18/20	Kim Shi Pantelides
347	Formwork Systems: Design and Construction	3/28/19	1	1	4/18/19	10/23/19	1	6	1	6	11/12/19	Stivaros
364	Technical Session to Honor Fred Goodwin: Introducing New Technotes – Part 1 and 2	3/26/20	2	2	4/21/20	10/30/20	2	11	2	11	11/18/20	Van Ocker Jiang
376	Concrete Design and Construction for LNG and other RLG Containment	11/9/20	1	1	11/18/20	3/23/21	1	6	1	6	4/26/21	Hjortset Pawski
378	Major Opportunities for Concrete Structures to Support Large Wind Turbines	4/17/20	1	1	6/1/20	4/2/21	1	5	1	5	4/26/21	Kuchma
439	21 <sup>st</sup> Century Steel Reinforcement: Simply Superior	3/25/19	1	1	4/18/19	10/22/19	1	6	1	6	11/12/19	Huza
440	Research, Development and Applications of FRP Reinforcements	3/25/20	4	4	4/21/20 (3) 11/18/20 (1)	2/25/21	4	24	4	24	4/26/21	Masmoudi

## Exhibit 7.1

## Session Requests for Atlanta, GA—Fall 2021

Sponsoring Committee Numbers	Title	Preliminary Request Received	Preliminary Number of Sessions Requested	Preliminary Number of Sessions Approved/ Approval Date		Final Request Received	Final Number of Sessions Requested/ Presentations (Papers) Requested		Final Number of Sessions Approved/ Presentations (Papers) Approved		Final Approval Date	Session Moderators
				Number Approved	Date Approved		Sessions	Papers	Sessions	Papers		
441	Recent Advances in the Behavior of Reinforced Concrete Columns: A Session Honoring the Memory of Dr. Asad Esmaeily	3/31/19	1	1	4/18/19	9/28/19	1	6	1	6	11/12/19	Rasheed Al-Rahmani
445	Effective Use of the Strut-and-Tie Method Per ACI 318-19	10/29/20	2	2	11/18/20	4/1/21	2	10	2	10	4/26/21	Novak Klein
544	Fiber Reinforced Concrete for Optimized and Sustainable Construction	10/28/20	1	1	11/18/20	4/2/21	1	6	1	6	4/26/21	Bonakdar Ferrara
555	Concrete with Recycled Materials	10/30/20	2	2	11/18/20	4/2/21	2	11	2	11	4/26/21	Mahgoub Ibrahim Khodair
<b>Totals</b>			<b>41</b>	<b>41</b>			<b>41</b>	<b>242</b>	<b>41</b>	<b>242</b>		

**E-4**  
**Exhibit 7.1**

**Mini Sessions for Atlanta, GA—Fall 2021**

Sponsoring Committee Numbers	Title	Preliminary Request Received	Final Request Received	Sessions	Papers	Session Moderators
124	Aesthetic Aspects of Concrete	4/2/21		1		Werner
134	Constructability: Hot Topics, Recent Developments and Case Studies	4/2/21		1		Vosahlik
134 117	Design Tolerance Consideration to Enhance Constructability	4/2/21		1		Csont
231	Advances in Early-Age Testing for Long-Term Performance of Concrete	3/27/21		1		Ghahremaninezhad
325	Innovative Material Sources for Concrete Pavements	3/14/21		1		Smith
435	Introduction to ACI 435R-20 Report on Deflection of Non prestressed Concrete Structures	4/3/21		1		Freytag
444	Introduction of ACI 442.2 Report	3/31/21		1		ElBatanouny
560 332	Report on Construction of Houses with ICF Walls Versus Wood Frame Walls	4/2/21		1		Sculthorpe
<b>Totals</b>				<b>8</b>		

\*The mini session will be hosted by the committee that is shown in red



## Exhibit 7.1

## Session Requests for Orlando, FL—Spring 2022

Sponsoring Committee Numbers	Title	Preliminary Request Received	Preliminary Number of Sessions Requested	Preliminary Number of Sessions Approved/ Approval Date		Final Request Received	Final Number of Sessions Requested/ Presentations (Papers) Requested		Final Number of Sessions Approved/ Presentations (Papers) Approved		Final Approval Date	Session Moderators
				Number Approved	Date Approved		Sessions	Papers	Sessions	Papers		
117 134	Constructability and Tolerance Considerations	4/1/21	1	1	4/26/21							Vosahlik
134 365 222	Service Life of Concrete Infrastructure: Constructability, Construction Practices & Maintenance Efforts	4/3/20	1	1	4/21/20	Moved from Atlanta per phone call on 4/7/21						Vosahlik
201 221	Deleterious Oxidation Reaction of Iron Sulfides in Concrete Aggregate	3/16/21	1	1	4/26/21							Snyder
201 231 207	Early-Age Verification of DEF Potential	3/31/21	1	1	4/26/21							D'Ambrosia
216	ASCE/SEI Manual of Practice No. 138: Performance-Based Fire Design Guidance for Concrete Structures	3/18/21	1	1	4/26/21							Mueller
232 236	Use of Bottom Ash as a Concrete SCM	4/2/21	1	1	4/26/21							Rajabipour
237 211	Making SCC More Sustainable with Low Binder Solutions	2/19/21	1	1	4/26/21							Ozyildirim
237 304 238	Pushing the Envelope in Processing and Placement of SCC	4/2/21	2	2	4/26/21							Khayat
238	Lessons Learned from Round-Robin Test on Concrete Rheometers	4/2/21	1	1	4/26/21							Feys
238 325 309	Workability of Pavement Concrete for Successful Construction	3/31/21	1	1	4/26/21							Hu
239 544 241	UHPC – Student Experiences	4/2/21	2	2	4/26/21							Wille

## Exhibit 7.1

## Session Requests for Orlando, FL—Spring 2022

Sponsoring Committee Numbers	Title	Preliminary Request Received	Preliminary Number of Sessions Requested	Preliminary Number of Sessions Approved/ Approval Date		Final Request Received	Final Number of Sessions Requested/ Presentations (Papers) Requested		Final Number of Sessions Approved/ Presentations (Papers) Approved		Final Approval Date	Session Moderators
				Number Approved	Date Approved		Sessions	Papers	Sessions	Papers		
241	Nano Coatings – A New Defense Paradigm for Ultimate Concrete Performance	3/27/21	1	1	4/26/21							Sobolev
241	Meta-Concrete: Achieving Multi-Functionality Through Nanotechnology	4/5/21	1	1	4/26/21							Lu
325	Concrete Airfield Pavement Research, Sustainability and Construction	3/26/21	1	1	4/26/21							Wierciszewski
341 441	Behavior, Design, Analysis and Construction of Nonconventional/Atypical Reinforced Concrete (RC) Columns/Piers	4/3/21	2	2	4/26/21							Alam
345	Developments, Applications, and Case Studies in UHPC for Bridges and Structures	9/18/20 3/29/21	3	3	11/18/20 4/26/21							Kim Nolan Nanni
348	Reliability and Safety of Existing Concrete Structures	3/30/21	1	1	4/26/21							Susksawang
380	Applications of Structural Plain Concrete	3/31/21	1	1	4/26/21							Pinkerton
444	Application of Artificial Intelligence (AI) and Machine Learning (ML) to SHM	4/2/21	1	1	4/26/21							ElBatanouny
551	Advancements of Engineering Tilt-Up Panels	3/30/21	4	4	4/26/21							Baty
562	5 <sup>th</sup> ACI/JCI Joint Seminar – Performance-Based Modeling of Reinforced Concrete Structures	10/25/19 4/5/21	4	4	11/12/19 4/26/21							Kesner
564	Properties and Performance of Hardened 3D-Printed Cement-Based Materials	3/30/21	2	2	4/26/21							Neithalath
<b>Totals</b>			<b>34</b>	<b>34</b>								

## Exhibit 7.1

## Session Requests for Dallas, TX—Fall 2022

Sponsoring Committee Numbers	Title	Preliminary Request Received	Preliminary Number of Sessions Requested	Preliminary Number of Sessions Approved/ Approval Date		Final Request Received	Final Number of Sessions Requested/ Presentations (Papers) Requested		Final Number of Sessions Approved/ Presentations (Papers) Approved		Final Approval Date	Session Moderators
				Number Approved	Date Approved		Sessions	Papers	Sessions	Papers		
120	Don't mess with Texas Concrete – A Historical Perspective of the Concrete Industry	3/31/21	1	1	4/26/21							Kramer
345 342	Concrete Olympics: Design, Construction, Evaluation, And Repair of Concrete Bridges and Structures with Member of the American Concrete Institute, Korea Concrete Institute, Taiwan Concrete Institute and International Federation for Structural Concrete	3/19/21	4	4	4/26/21							Kim
<b>Totals</b>			<b>5</b>	<b>5</b>								



# SPs In Progress

Tuesday, March 2, 2021

SP	SP Title	Editors	Spons. Committee	Tech Sess. Date
04052018	Recent Research Advances on FRP Applications in Concrete Structures - Celebrating the Career of Distinguished Professor Emeritus Sami Rizkalla	Dr Amir Z Fam Dr Abdeldjelil Belarbi	440	3/24/2019
SP-190213	Materials, Analysis, Structural Design, and Applications of Textile Reinforced Concrete/Fabric Reinforced Cementitious Matrix	Dr Barzin Mobasher	549	10/20/2019
SP-190202	Superplasticizers and Other Chemical Admixtures - Conference Proceedings	Mr Luigi Coppola Dr Terence C Holland	International 130 201 209 212 236 238 239	11/1/2021
SP-190402	Fifteenth International Conference on Recent Advances in Concrete Technology and Sustainability Issues	Mr Luigi Coppola Dr Terence C Holland	International 130 201 209 212 236 238 239	
200211	Foundations for Dynamic Equipment	Dr Carl A Nelson	351	3/27/2019
03272019	Best Practices and Lessons Learned for Teaching Concrete Materials and Reinforced Concrete	Dr Ben Dymond Chris Carroll	S802	3/24/2021
SP-200227	Fiber Reinforced Polymers (FRP) Reinforcements for Concrete Structures	Dr Radhouane Masmoudi Mr William J Gold Dr Maria Lopez de Murphy	440	10/18/2021

Within 6-Month Window of Publication Deadline

Beyond 2-Year Publication Deadline