

AGENDA

PTI TAB Technical Advisory Board

Thursday, April 22, 2021

2:00 PM – 6:00 PM Eastern

Virtual Convention Meeting via Zoom

Voting Members Present (0 of 12, Quorum for meeting vote = 5)

Don Kline, Chair	Kline Engineering & Consulting
Tim Christle, NV	PTI Staff, NV
Hamid Ahmady	Suncoast Post-Tension Ltd
Jonathan Hirsch	Bentley Systems, Inc.
Asit Baxi	Baxi Engineering, Inc.
Martin Cuadra	Uzum+Case, LLC
Carol Hayek	CCL USA
Don Illingworth	Don Illingworth & Assoc., Inc.
Bryan Allred	Seneca Structural Engineering, Inc.
John Crigler	Structural Technologies, Inc.
Andrea Schokker	University of Minnesota Duluth
Mike Schwager	Schwager Davis, Inc.
Edgar Zuniga	Dywidag Systems International USA

Visitors

SUMMARY OF ACTION ITEMS FROM LAST / THIS MEETING

Item #	Subject	Action	Responsible	Deadline / Completed
D.1	TAB Code TG	Set up TAB Code TG web meetings once per month, starting 11/5/2020	Staff	Ongoing
2.2	CJ Couplers	Response to GTI testing	TG: Don K, Asit, Andrea, Rashid	
2.2	CJ Couplers	Check availability of WJE testing for GTI	Staff	
2.2	CJ Couplers	TN with caution to designers for beams	TG	
2.4.1	0.7 fpu at Transfer	Draft FAQ that evolves into code change proposal	Asit	
2.4.2	Restrained vs. Unrestrained	DC-20 to move forward TN	Carol	Within 6 months
2.4.2	Restrained vs. Unrestrained	Contact Steve Szoke and Trey Hamilton (both ACI) to get advice on approach to IBC.	Carol and Martin C.	
2.9	Progressive Collapse	Get more detail on the possible testing	Carol	

		and contributors		
5.2	Committees' Annual Reports	Obtain Annual Reports from all technical committees.	TAB Contacts and staff	asap
6.2.1	PT Manual	Continue balloting / resolving chapters	All	Ongoing

Item #	Expected Outcome / Actions Taken
<p>A – General</p> <p>A.1 Call to order</p> <p>A.2 Introduction / Announcements</p> <p>A.3 TAB Roster / Membership Rotation</p> <p>TAB Member Rotation:</p> <ul style="list-style-type: none"> • 2021: Kline, Zuniga (2008, 2012) • 2022: Hayek (2012), Baxi (2003) • 2023: Illingworth (2015) • Member rotation per TCM <p>The list of potential TAB candidates (no particular order):</p> <ul style="list-style-type: none"> • Bob Sward (Chair M-50) • Jack Graves (Officer) • Drew Micklus • Frank Malits • Greg Hunsicker (Chair CRT-40, CRT-70; EC secretary) • Martin Maingot • Jim Donnelly (Chair CRT-60) <p>A.4 PTI Antitrust Policy (Exhibit A.4)</p> <p>A.5 Committee Annual Reports</p>	<p>A.1 Meeting was called to order at 2:XX PM.</p> <p>A.2</p> <p>A.3 The official TAB roster is on the PTI website. Bryan Allred is a new member of TAB – Welcome! He replaces Bill Klorman who we thank for his contributions during his time with TAB.</p> <p>The new process of getting new members on TAB:</p> <ul style="list-style-type: none"> • TAB to nominate 2 new TAB members • The new Nominating Committee will review the nominations and make recommendations to the Board. • The Board will review the recommendations and vote on the new member appointments. <p>A.4 All present are reminded of the PTI Antitrust Policy and are asked to adhere to it.</p> <p>A.5 Follow up on annual reports.</p>
<p>B. Agenda & Minutes</p> <p>B.1 <u>Approval of Agenda</u></p> <p>B.2 <u>Approval of Meeting Minutes</u> (Meeting ballot required)</p> <p>B.2.1 Approval of Meeting Minutes from 10/22/20; (Exhibit B.2.1)</p>	<p>B.1 Any changes to the agenda?</p> <p>B.2.1 Motion / Second to approve Meeting Minutes from 10/22/20: Name / Name, 0-0-0 (Y-N-A)</p>

Item #	Expected Outcome / Actions Taken
<p>C. Actions Taken Between Meetings</p> <p>C.1 <u>Letter Ballots</u></p> <p>C.2 <u>Web Meetings</u></p>	<p>C.1.1 Ballot-TAB-2007-Revised Technical Note 14 Review</p> <p>C.1.2 Ballot TAB-2101 Review of PT Manual Chapters 6, 7, 12</p> <p>C.1.3 Ballot TAB-2102 Review of PT Manual Chapter 13</p> <p>C.1.4 Ballot TAB-2104 Code Change Proposals CT007, TGP002, TGP005, TGP017</p> <p>C.1.5 Ballot TAB-2103 Dual Banded PT Tech Note Revisions</p> <p>C.2 TAB web meetings were held on 11/20/20, 12/16/20 and 2/11/21.</p>
<p>D. TAB Standing Agenda Items:</p> <p>D.1 <u>TAB PT Code TG:</u> Don Kline (Lead), Martin Cuadra, Carol Hayek, Rashid Ahmed, Andrea Schokker, Asit Baxi, Frank Malits, Jonathan Hirsch, Miroslav Vejvoda, Tim Christle (Secretary).</p> <p>D.1.1 TG Meetings</p>	<p>D.1 A new member was invited to join the TG on 4/21/21. Bryan Allred.</p> <p>Summary of items being addressed:</p> <p>D.1.1 Recurring monthly web meetings were held on 11/5/20, 12/1/20, 1/12/21, 2/2/21, 3/2/21, 4/6/21 and then on 4/21/21 at this convention.</p> <p>Next meeting is set for Tuesday, May 4, 2021</p>
<p>1. Technical Committee Personnel</p> <p>1.1 <u>Technical Committee Chairs and Missions</u></p> <p>1.2 <u>Technical Committee Members</u></p>	<p>1.1 Current Chairs: PTI website lists all committees with the official rosters, Chairs, and missions.</p> <p>1.2 Ongoing approval process by Committee Chair and TAB Chair, with staff verification of conflict and/or balance of interest.</p>
<p>2. TAB Initiatives</p> <p>2.1 <u>Dual banded tendons in two-way</u></p>	<p>2.1 Status report</p>

Item #	Expected Outcome / Actions Taken
<u>slabs</u>	
2.2 <u>Construction Joint Couplers</u> (Rashid Ahmed)	2.2 TG evaluation of CJ couplers Status report – Rashid Ahmed
2.3 <u>Post-Tensioned Parking Structures</u>	2.3 DC-25 Parking Structures Committee, Chair Rashid Ahmed Report: See item 5.1.3
2.4 <u>PTI Positions on important issues</u>	
2.4.1 0.7 f_{pu} limit at transfer	2.4.1
2.4.2 Restrained vs. unrestrained conditions in 2-way slabs	2.4.2
2.4.3 Accelerated Construction • Bridges: ABC; precast • Buildings: Peikko; modular; CLT (Cross-Laminated Timber)	2.4.3
2.4.4 Environmental Product Declaration (EPD)	2.4.4
2.5 <u>DC-80.3 Guide for Evaluation and Repair of PT Structures</u>	2.5 See also item 5.1.7.
2.6 <u>PTI M-10 & ACI 423.7</u> Watertightness testing of encapsulated tendons	2.6
2.8 <u>Barrier Cable test for short spans</u> Barrier Cable test for short spans. Asit proposed conducting simple testing of short BC run in order to establish/verify design criteria. There is disagreement on how to interpret IBC Code language and other industry guidance (PTI manual) for purposes of designing BC.	2.8 Report by Asit Baxi
2.9 <u>Other Initiatives?</u>	2.9

Item #	Expected Outcome / Actions Taken
<p>3. Relations with other Organizations</p> <p>3.1 <u>ACI</u></p> <p>3.1.1 ACI 301, Specification for Structural Concrete</p> <p>3.1.2 ACI 318, Structural Concrete Building Code</p> <p>3.1.3 ACI 350, Environ. Eng. Conc. Structures</p> <p>3.1.4 ACI 362, Parking Structures</p> <p>3.1.5 ACI 423, Prestressed Concrete</p> <p>3.2 <u>ICRI</u></p> <p>3.3 <u>IBC</u></p> <p>3.4 <u>AISC</u></p> <p>3.5 <u>ASCE</u></p> <p>3.6 <u>ASBI</u></p> <p>3.7 <u>TRB</u></p> <p>3.8 <u>FIB</u></p> <p>3.9 <u>CSA</u></p> <p>3.10 <u>ACCS</u></p> <p>3.11 <u>Contacts to Spec Writing Agencies</u></p>	<p>3.1.1 ACI 301:</p> <p>3.1.2 See item D.1</p> <p>3.1.3 ACI 350:</p> <p>3.1.4 ACI 362:</p> <p>3.1.5 ACI 423:</p> <p>3.2</p> <p>3.3</p> <p>3.4</p> <p>3.5</p> <p>3.6</p> <p>3.7</p> <p>3.8</p> <p>3.9</p> <p>3.10</p> <p>3.11</p>
<p>4. Technical Committee Procedures</p> <p>4.1 <u>Technical Committee Manual</u></p>	<p>4.1 With some changes of the By-Laws, the TCM should now be updated. It was proposed to combine TCM and CCM to avoid unnecessary duplication or inconsistent approach.</p>

Item #	Expected Outcome / Actions Taken
4.2 <u>Post-Tensioning Terminology (PTT)</u>	4.2 This needs to be updated.
4.3 <u>Membership Appointment Procedures</u>	4.3
5. Technical Committee Reports	
5.1 <u>PTI Technical Committees</u>	5.1 Reports from committee Chairs / TAB Contacts
5.1.1 DC-10	5.1.1 DC-10, Slab-on-Ground Committee; Chair Tony Childress (Don Illingworth – TAB Contact) •
5.1.2 DC-20	5.1.2 DC-20, Building Design Committee; Chair Carol Hayek • DC-20A, BIM Subcommittee; Chair Frank Malits •
5.1.3 DC-25	5.1.3 DC-25, Parking Structures Committee; Chair Rashid Ahmed •
5.1.4 DC-35	5.1.4 DC-35, Prestressed Rock and Soil Anchor Committee; Chair Andy Baxter •
5.1.5 DC-40	5.1.5 DC-40, Bridge Design Committee; Chair Brian Merrill (Mike Schwager – TAB Contact) •
5.1.6 DC-45	5.1.6 DC-45, Cable Stayed Bridge Committee, Chair Gregory Hasbrouck (Mike Schwager – TAB Contact) •
5.1.7 DC-80	5.1.7 DC-80, Repair, Rehab. & Strengthening Committee; Chair Tracy Naso (Don Kline – TAB Contact) •
5.1.8 M-10	5.1.8 M-10, Unbonded Tendon Committee; Chair Michael Williams (Rashid Ahmed – TAB Contact) •
5.1.9 M-50	5.1.9 M-50, Bonded Tendon Committee; Chair Bob Sward (Edgar Zuniga – TAB Contact)

Item #	Expected Outcome / Actions Taken
<p>5.1.10 M-55</p> <p>5.2 <u>Committees' Annual Reports</u></p> <p>5.3 <u>TAB Contact Assignments</u></p> <p>DC-10: Don Illingworth DC-20: Carol Hayek DC-25: Rashid Ahmed DC-35: Asit Baxi DC-40: Mike Schwager DC-45: Mike Schwager DC-80: Don Kline M-10: Rashid Ahmed M-50 Edgar Zuniga M-55: Andrea Schokker</p>	<ul style="list-style-type: none"> • <p>5.1.10 M-55, Grouting Committee; Chair Brian Merrill (Andrea Schokker – TAB Contact)</p> <ul style="list-style-type: none"> • <p>5.2 Committee are asked to submit the Annual Reports.</p> <p>5.3 There is no need for TAB contact for subcommittees or TGs, although there might be occasionally a need for TAB representation on a subcommittee or TG. When TAB members retire, and new ones join, the TAB contact assignments will be reviewed and revised accordingly.</p> <p>Need to replace Bill Klorman where he was TAB contact on DC-20A and maybe elsewhere.</p>
<p>6. Technical Committee Documents (Open Meeting)</p> <p>6.1 <u>Existing PTI Technical Documents</u></p> <p>6.2 <u>New / Proposed PTI Technical Documents</u></p> <p>6.2.1 TAB.1 PT Manual (a) The process for TAB review of chapters:</p> <ul style="list-style-type: none"> • Ballots 30 days; two chapters at a time • Schedule regular web meetings • Ballot reminders; 2W, 1W, 3D (web balloting) • For each chapter, there are 2 TAB Primary Reviewers • Outside reviewers can be added if needed. Some committees such as DC-20 and DC-80 may have volunteers to review respective chapters. 	<p>6.1 Existing documents</p> <p>6.2 Proposed documents</p> <p>6.2.1 PT Manual PT Manual Revision</p> <ul style="list-style-type: none"> • Major effort with updating the PTI Flagship document from 2006 • Existing 21 chapters with 4 new ones (Repair, Rehab. & Strengthening; BIM; Anchorage Zone Design; Sustainability) •

Item #	Expected Outcome / Actions Taken
(b) Status Report: Tim Christle	
<p>7. Other Publications (Open Meeting)</p> <p>7.1 New PTI Technical Notes?</p> <p>7.2 New PTI FAQs?</p> <p>7.3 PTI <i>JOURNAL</i></p>	<p>7.1 Tim issued a push to all committees to update their existing Tech Notes and FAQs</p> <p>7.2</p> <p>7.3</p>
<p>8. Conventions and Other Meetings (Open Meeting)</p> <p>8.1 2021 / 2022 Technical Sessions</p> <p>8.2 2021 Committee Chair Luncheon</p> <p>8.3 2021 PTI & TAB Awards</p>	<p>8.1</p> <p>8.2</p> <p>8.3</p>
<p>9. Educational Items</p> <p>9.1 Excerpt from the Strategic Plan:</p> <ul style="list-style-type: none"> • Revise and update documents older than 6 years • Revise and update FAQs and TNs older than 4 years • Develop library of selected FAQs with focus on PTI position on all PT applications • Identify research needs for PT • Solicit support from stakeholders for financing, per project • Develop a course for PTI Building Design and compile required webinar modules and course materials • Develop a course for PT SOG Design and compile required webinar modules and course materials <p>9.2 Design Seminars PTI offers half and full day in-person seminars per special request. Demand raising for online delivery.</p> <p>9.3 Online Learning Platform</p>	<p>9.1 Coordination with the Education Committee; Professor's Seminar – TAB recommendations:</p> <p>9.2 Update</p> <p>9.3</p>

Item #	Expected Outcome / Actions Taken
D. New Business (Open Meeting) D.1 Any New Business?	D.1
E. Next Meeting E.12021 PTI Committee Days, Hyatt Regency Coconut Point Resort & Spa, Bonita Springs, FL October 5-8, 2021 E.2 Web Meetings	E.1 E.2
F. Adjourn	F. Meeting adjourned at X:XX PM.

AGENDA / MINUTES EXHIBITS

Exhibit #	Subject
A.4	PTI Antitrust Policy
B.2.1	201223-TAB-Meeting-10-22-2020-Minutes-Unapproved

At a meeting on October 8, 1980, the Board of Directors first discussed the Institute's status and policies regarding compliance with antitrust laws. After review of both the internal and external compliance procedures, the following resolution was approved:

"The staff, officers, directors and members of the Post-Tensioning Institute are reminded that they are required to comply with the spirit and specific requirements of the antitrust laws on all activities within the scope of, and related to, the official functions of PTI. Further, this restated position, along with appropriate explanatory material, should be placed in all meeting folders/books periodically, beginning with the 8th of October meeting of PTI."

On July 24, 2012 and again on October 7, 2015, the Executive Committee authorized Legal Counsel to review and update this Policy Statement in the perspective of the Department of Justice Business Review Letter of July 30, 1997 and current case law. As a continuing guide for your participation in PTI's meetings, please review and continue to adhere to the following "Legal Limitation on Discussions at PTI Meetings."

LEGAL LIMITATION ON DISCUSSIONS AT PTI MEETINGS AND EVENTS

A free exchange of ideas on matters of mutual interest to the members is necessary for the success of all meetings. Indeed, such an exchange of views is essential to the successful operation of every trade association and the law specifically allows legitimate exchange of views pertaining to, e.g., quality control, safety, building design and construction integrity, etc.

It is not the purpose of this memorandum to discourage the exploration in depth of any matters of legitimate concern to meeting participants. Nevertheless, to ignore certain antitrust ground rules, either through ignorance or otherwise, is to create a civil and criminal hazard businessmen simply cannot afford.

It is for these reasons that PTI provides you with a reminder that certain areas of formal and informal communication between competitors or between manufacturers and their suppliers and customers must be avoided, as posing potential antitrust problems.

The Sherman Antitrust Act, the Clayton Act, the Federal Trade Commission Act, and the Robinson-Patman Act comprise the basic federal antitrust laws, which set forth the broad areas of conduct considered illegal as restraints of trade. In general, agreements or understandings between competitors that operate as an impediment to free and open competition are forbidden. Federal antitrust prohibitions forbid any "agreement or understanding...to substantially lessen competition or tend to create a monopoly in any line of commerce." An important point to keep in mind is that communications and discussions between competitors or between sellers and customers, about matters which may be considered anti-competitive, often comprise the evidence from which courts infer antitrust violations. ***It is the policy of the Post-Tensioning Institute that such agreements, understandings or communications shall not be tolerated at any formal or informal meetings or social events of the Institute.***

The general prohibitions contained in the federal antitrust laws, have been particularized in the form of a series of consent decrees, originally entered against a number of member companies of various trade associations and the associations themselves. It is important to note that these laws not only apply to PTI members, but also to PTI itself. Often trade associations have been and are presently co-defendants in cases brought by the Justice Department and the Federal Trade Commission ("FTC"). Recently, the FTC has stated: "*Because trade associations are by their nature collaborations among competitors, the Commission and courts have long been concerned with anti-competitive restraints imposed by such organizations under the guise of codes of conduct. Competing for customers, cutting prices, and recruiting employees are hallmarks of vigorous competition. Agreements among competitors not to engage in these activities injure consumers by increasing prices and reducing quality and choice.*" Similar "codes" or policies and requirements that encourage directly or indirectly members' unlawful activity are strictly forbidden by PTI in the course of its business with its members.

SPECIFIC EXAMPLES OF ACTIVITIES AND PRACTICES PROHIBITED

AT ALL PTI MEETINGS AND EVENTS:

Included in activities and practices which are forbidden, and are contrary to the policy of the Institute, both under the general antitrust laws and the consent decrees, subject to the said Business Review Letter, are the following:

- Agreeing to allocate markets, customers or suppliers among competitors, classify certain customers or suppliers being entitled to preferential treatment by manufacturers, and establish geographic trading areas.
- Participating in any plan designed to induce any manufacturer or distributor to sell or refrain from selling, or discriminate in favor of, or against any particular customer or class of customers.
- Agreeing in any manner to fix or otherwise establish bids, prices (including price increases, decreases, standardization or stabilization), profits, costs, contract terms affecting price (such as discounts and credit terms), etc. because, e.g. prices were too low, with the exception of certain resale pricing agreements between manufacturers and retailers or distributors.
- Agreeing in any manner to limit or restrict the quality of products to be produced (e.g., restrictions on selling coated strand to certain customers).
- Participating in any plan which has the effect of discriminating against, or excluding competitors, suppliers or customers.

These examples are provided to guide you in your discussions during formal and informal PTI meetings and social events. If the occasion arises, more specific advice will be provided by legal counsel, who is required by Article IV, Section 7 of the PTI By-Laws to be present at all meetings of the Board of Directors and the Executive Committee.

MINUTES

PTI TAB Technical Advisory Board (Closed Meeting)

October 22, 2020, 2:00 PM – 6:00 PM EDT

Virtual Convention

Voting Members Present (11 of 12, Quorum for meeting vote = 5)

<u>Don Kline</u> , Chair	Kline Engineering & Consulting
<u>Miroslav Vejvoda</u> , Secretary, NV	PTI Staff, NV
<u>Hamid Ahmady</u>	Suncoast Post-Tension Ltd
<u>Rashid Ahmed</u>	Walker Parking Consultants
<u>Asit Baxi</u>	Baxi Engineering, Inc.
<u>Martin Cuadra</u>	Uzum+Case, LLC
<u>Carol Hayek</u>	CCL USA
<u>Don Illingworth</u>	Don Illingworth & Assoc., Inc.
Bill Klorman	Klorman Construction
<u>Doug Schlegel</u>	Consultant
<u>Andrea Schokker</u>	University of Minnesota Duluth
<u>Mike Schwager</u>	Schwager Davis, Inc.
<u>Edgar Zuniga</u>	Dywidag Systems International USA
<u>Tim Christle</u>	PTI Staff, NV
Amy Dowell	PTI Staff, NV
Tony Johnson	PTI Staff, NV

Visitors

Jonathan Hirsch
John Crigler

SUMMARY OF ACTION ITEMS FROM LAST / THIS MEETING

Item #	Subject	Action	Responsible	Deadline / Completed
D.1	TAB Code TG	Set up TAB Code TG web meetings once per month, starting 11/5/2020	Staff	Ongoing
2.2	CJ Couplers	Response to GTI testing	TG: Don K, Asit, Andrea, Rashid	
2.2	CJ Couplers	Check availability of WJE testing for GTI	Staff	
2.2	CJ Couplers	TN with caution to designers for beams	TG	
2.4.1	0.7 fpu at Transfer	Draft FAQ that evolves into code change proposal	Asit	
2.4.2	Restrained vs. Unrestrained	DC-20 to move forward TN	Carol	Within 6 months
2.4.2	Restrained vs. Unrestrained	Contact Steve Szoke and Trey Hamilton (both ACI) to get advice on	Carol and Martin C.	

		approach to IBC.		
2.9	Progressive Collapse	Get more detail on the possible testing and contributors	Carol	
5.2	Committees' Annual Reports	Obtain Annual Reports from all technical committees	TAB Contacts and staff	asap
6.2.1	PT Manual	Continue balloting / resolving chapters	All	Ongoing

Item #	Expected Outcome / Actions Taken
A – General	
A.1 Call to order	A.1 Meeting was called to order at 2:02 PM.
A.2 Introduction / Announcements / Attendance	A.2 Chair Kline recognized the efforts of members, especially for the colossal task of updating the PT Manual. Member attendance is automatically recorded by the online conferencing software (Exhibit A.2). Miroslav Vejvoda who has announced his retirement at the end of 2020 was recognized for his many years serving as TAB secretary. Miroslav's work on TAB and support to the TAB chair have been immeasurable. Miroslav was thanked for his contributions to TAB and the PT industry, and he was congratulated on his upcoming retirement.
A.3 TAB Roster / Membership Rotation	A.3 The official TAB roster is on the PTI website. Hamid Ahmady is a new member of TAB – Welcome! Jonathan Hirsch and John Crigler are considered for new members at the Board meeting at this Virtual Convention. The two members leaving TAB after this meeting are Rashid Ahmed and Doug Schlegel – Thank you for your contributions!
TAB Member Rotation: <ul style="list-style-type: none"> • 2020: Ahmed, Schlegel (2003, 2008) • 2021: Kline, Zuniga (2008, 2012) • 2022: Hayek (2012), Baxi (2003) • 2023: Klorman, Illingworth (2014, 2015) • Member rotation per TCM <p>The list of potential TAB candidates (no particular order):</p> <ul style="list-style-type: none"> • Bob Sward (Chair M-50) • Jack Graves (Officer) • Drew Micklus • Frank Malits • Greg Hunsicker (Chair CRT-40, CRT-70; EC secretary) 	<p>The new process of getting new members on TAB:</p> <ul style="list-style-type: none"> • TAB to nominate 2 new TAB members • The new Nominating Committee will review the nominations and make recommendations to the Board. • The Board will review the recommendations and vote on the new member appointments. <p>Don Kline contacted the candidates nominated by TAB to establish their availability to serve.</p> <ul style="list-style-type: none"> • Greg Hunsicker withdrew due to his already heavy participation. • Johnathan Hirsch accepted. • Bob Sward withdrew in favor of nominating John Crigler • John and Jonathan have been invited to attend the meeting although their official board approval is expected on Friday after this meeting.

Item #	Expected Outcome / Actions Taken
<ul style="list-style-type: none"> • Martin Maingot • Jim Donnelly (Chair CRT-60) <p>A.4 PTI Antitrust Policy (Exhibit A.4)</p> <p>A.5 Committee Annual Reports</p>	<p>A.4 All present were reminded of the PTI Antitrust Policy and asked to adhere to it.</p> <p>A.5 The Annual Reports will be sent to TAB by the end of October.</p>
<p>B. Agenda & Minutes</p> <p>B.1 <u>Approval of Agenda</u></p> <p>B.2 <u>Approval of Meeting Minutes</u> (Meeting ballot required)</p> <p>B.2.1 Approval of Meeting Minutes from 6/9/20 (web meeting) (Exhibit B.2.1)</p>	<p>B.1 No changes to the agenda were proposed.</p> <p>B.2.1 Motion / Second to approve Meeting Minutes from 6/9/20: Schokker / Ahmed, 10-0-0 (Y-N-A)</p>
<p>C. Actions Taken Between Meetings</p> <p>C.1 <u>Letter Ballots</u></p> <p>C.1.1 Ballot-TAB-1902-Addenda M10.2 & M10.6</p> <p>C.1.2 Ballot-TAB-1904-PT Manual Chapter 19-Durability</p> <p>C.1.3 Ballot-TAB-1905-M-55 Chair Selection</p> <p>C.1.4 Ballot-TAB-1906-PT Manual Chapter 8-Seismic Design & Chapter 23-BIM</p> <p>C.1.5 Ballot-TAB-19xx-PTI DC-45 Chair Succession</p> <p>C.1.6 Ballot TAB-1907-DC20-TN-Dual Banded PT</p> <p>C.1.7 Ballot-TAB-1908- PT Manual Chapter 11-PT Slabs-on-Ground & Chapter 25-Sustainability</p> <p>C.1.8 Ballot-TAB-1909- PT Manual Chapter 7-Design Examples</p>	<p>C.1.1 Ballot resolved; Addenda published.</p> <p>C.1.2</p> <p>C.1.3 Ballot resolved; Chair appointed</p> <p>C.1.4</p> <p>C.1.5 Ballot resolved; Chair appointed</p> <p>C.1.6</p> <p>C.1.7</p> <p>C.1.8</p>

Item #	Expected Outcome / Actions Taken
<p>C.1.9 Ballot-TAB-2001- PT Manual 7th Edition-Chapters 5, 9, 17, 23</p> <p>C.1.10 Ballot-TAB-2002- Design, Construction, & Maintenance of Post-Tensioned Concrete Courts</p> <p>C.1.11 Ballot-TAB-2003- PT Manual 7th Edition-Chapters 14, 15</p> <p>C.1.12 Ballot-TAB-2004-DC-10-PT Foundation and Flatwork TN</p> <p>C.1.13 Ballot-TAB-2006-DC20.2-XX Restraint Cracks and Their Mitigation in Unbonded PT Building Structures</p> <p>C.2 <u>Web Meetings</u> C.2.1 Web Meeting on 4/16/20</p>	<p>C.1.9 For ballot resolution, see Web Meeting Notes from April 8, 2020.</p> <p>C1.10</p> <p>C.1.11 For ballot resolution, see Web Meeting Notes from June 30, 2020.</p> <p>C.1.12</p> <p>C.1.13 Resolution of negatives on the restraint document will take place at a web meeting after the ACI Virtual Convention.</p> <p>C.2.1</p>
<p>D. TAB Standing Agenda Items:</p> <p>D.1 <u>TAB PT Code TG:</u> Don Kline (Lead), Martin Cuadra, Carol Hayek, Rashid Ahmed, Andrea Schokker, Asit Baxi, Frank Malits, Jonathan Hirsch, Miroslav Vejvoda, Tim Christle (Secretary).</p>	<p>D.1 Summary of items being addressed: Summary of the new setup with 318-T and 320 was discussed. All items for both committees will come through this TG. Some items from the summary of proposals from 318-T were discussed:</p> <ul style="list-style-type: none"> • One item with many negatives: Definition of beam depth vs. wide shallow beams in two-way slab. It was proposed that the definition would define the depth. Flexibility is needed and a limit may prevent options for two-way systems for practicing engineers. The proposal was drafted as reviewers in CA do not approve wide shallow beams as two-way systems. If 2-w action can be shown without a depth limit, it might be a better solution. Flexural stiffness rather than aspect ratio could be used. Maybe language could be added in the two-way slab chapter in the commentary only. In the beam chapter, a reference can be made to the slab chapter. • Stress at transfer 0.7 <i>fpu</i>: this is often violated when tendons are stressed to 80% <i>fpu</i>. Asit is working on this proposal. Will be stated in the PT Manual and it should be removed from the code. The precaster are trying to go up to 75% <i>fpu</i>. For PT, it can be removed it as it is not needed. Can bring it to 318-T using the work from the precasters. With that precedence, it cannot be denied. Rather than modifying it, just remove it from requirements for PT.

Item #	Expected Outcome / Actions Taken
<p>D.1.1 <u>TAB Code TG Meetings:</u></p>	<p>Membership of the committees: On the precast side, the Technical Activities Council Chair is also Vice Chair of ACI/PCI 319; on the PTI side, the TAB Chair could be the Vice Chair of ACI/PTI 320. Chair proposes members and ACI and PTI would have to agree. There is balance of interest. PT specialists should be on 320; Asit would like to be on 320 to represent it. PTI TAB Code TG coordinates efforts for PTI interests on 318-T and 320.</p> <p>ASCE 7-22 will have a new category for shear ductile coupled shear wall R=8 (Rashid) tension in slab. In precast, there is an extra factor making it a C-I-P equivalent diaphragm.</p> <p>D.1.1 First TG meeting took place on 10/5/20. Recurring web meetings will be set up; the next meeting will be on November 5, 2020, 1:00 to 3:00 PM.</p>
<p>1. Technical Committee Personnel</p> <p>1.1 <u>Technical Committee Chairs and Missions</u></p> <p>1.2 <u>Technical Committee Members</u></p>	<p>1.1 Current Chairs: PTI website lists all committees with the official rosters, Chairs, and missions.</p> <p>1.2 Ongoing approval process by Committee Chair and TAB Chair, with staff verification of conflict and/or balance of interest.</p>
<p>2. TAB Initiatives</p> <p>2.1 <u>Dual banded tendons in two-way slabs</u></p> <p>2.1.1 <u>Initiative to permit dual banded PT arrangement in NY</u></p>	<p>2.1 Status report – Tim Christle reported on the DC-20 TG:</p> <ul style="list-style-type: none"> • Research at VT: All slabs tested already, the last test T4 was tested on October 1. • The testing of all slabs was very successful. • There are some preliminary draft reports; waiting for final overall report; it all got delayed by the pandemic. • Possibly, a report for T1 & T3 might be available, focusing on the PT slabs with regular concrete. • A Code Change Proposal will be the last step; it needs to address the nonprestressed reinforcement, the stress limits, etc. Jonathan’s analytical work very extensive and it will be helpful in drafting the proposal. • TN already balloted on TAB; it will be modified based on the comments. <p>2.1.1 Status of the initiative – Tim Christle: There is a group of engineers and contractors in NY that created a TG to push hard to modify the local code to allow dual banded PT in NY. Letters from PTI and TAB were written in support of the effort.</p>

Item #	Expected Outcome / Actions Taken
<p>2.2 <u>Construction Joint Couplers</u> (Rashid Ahmed)</p>	<p>2.2 TG evaluation of CJ couplers Status report – Rashid Ahmed Action Items from WM on 4/16/20 and 6/9/20:</p> <ul style="list-style-type: none"> • Don/Asit/Andrea will prepare a draft response to GTI with feedback after their presentation to TAB in Santa Fe. The response will provide feedback and additional questions related to the coupler. The draft response will be sent to the coupler TG for comment before sending to GTI. • The testing for GTI was done by WJE; the test report and Ted’s presentation to TAB would be helpful, if available; staff will check. • The task group will develop a Tech Note for the intermediate coupler use in slabs and beams. <p>At this point, however, intermediate anchorages are again available. This item was not discussed.</p>
<p>2.3 <u>Post-Tensioned Parking Structures</u></p>	<p>2.3 DC-25 Parking Structures Committee, Chair Rashid Ahmed Report: See also item 5.1.3</p> <ul style="list-style-type: none"> • The committee met in Santa Fe, in a web meeting, and yesterday at this Virtual Convention. • Committee performed the SWAT analysis and is working with the marketing committee to produce marketing package to reach owners through magazines. • Comparing with precast, can stresses be relaxed beyond cracking? • The forming costs are based on optimum spacing of beams; a TG is looking into that. • There is a second TG on durability to point it out as PT benefit; an initial draft already exists. By ACI 362 terminology, it would cover zones 1 to 3; three case studies will be included in a TN. • Document performance of 10, 20, 30-year-old garages to document their performance; cannot tell the age how well it looks. The 30-year-old garage is the SLC airport one with encapsulated tendons that will be demolished to make space for the new terminal buildings. A research of the condition was performed and will be reported to ACI 362 next week. • There are no PT suppliers’ representatives on the PTI DC-25 committee; Zuming Xia just joined. • A balance between marketing and technical is important; a marketing TG is probably needed to move forward. The mission statement should include certain market share to be achieved. • It would be good to extract some of the tendons from the SLC garage to see what is inside and test them for load capacity; DC-25 and 362 (Chair Jim Donnelly) are involved with the research; not a contractual relationship; possibly

Item #	Expected Outcome / Actions Taken
<p>2.4 <u>PTI Positions on important issues</u></p> <p>2.4.1 0.7 f_{pu} limit at transfer</p> <p>2.4.2 Restrained vs. unrestrained conditions in 2-way slabs</p> <p>2.4.3 Accelerated Construction</p> <ul style="list-style-type: none"> • Bridges: ABC; precast • Buildings: Peikko; modular; CLT (Cross-Laminated Timber) <p>2.4.4 Environmental Product Declaration (EPD)</p>	<p>some ACI foundation grant could be obtained when ACI 362 committee backs it.</p> <p>2.4.1 Asit Baxi volunteered to draft and FAQ which could be also used for a code change proposal, most likely to ACI/PTI 320. See also item D.1.</p> <p>2.4.2 See last meeting minutes for discussion. Outcome:</p> <ul style="list-style-type: none"> • Organize others to work on issue jointly and to find funding for possible testing: • Carol Hayek will contact NIST, NFCA, John Hopkins University • Tony Johnson will contact ACI Foundation • Andrea Schokker could participate if needed <p>Discussion on DC-20:</p> <ul style="list-style-type: none"> • NIST cannot do it in house; not interested but Hopkins is (got grant from ACI) • A support from a committee is necessary to outline what to try to do; it is a more concrete issue and should be widened to all concrete structures. • A group is working on it (Carol Hayek, Thomas Kang, and Martin Cuadra. Thomas is doing testing in Korea. After the ACI Convention, another meeting will take place before going to the ACI Foundation to do a 9-panel structure testing; it will include concrete only for comparison. NSCA and the Pankow Foundation may possibly contribute some funding as well, if it is for concrete and not only specific to PT. • The precasters claim being restrained and got it adopted by IBC. The discrepancy should be pointed out; IBC includes two methods, a prescriptive one and a calculated one. ACI 216 only includes the calculated method. PCI has strong funding for research and strong lobby. • Possibly involve Steve Szoke as the codes' expert and Robert Frosch as TAC Chair. Or possibly start with Trey Hamilton. Andrea Schokker will get Carol Hayek and Martin Cuadra in touch with Steve and Trey to get the conversation with IBC started. Lehigh might possibly contribute as well. Thomas Kang will share his fire research. <p>2.4.3 As many types of accelerated construction are getting attention, is there anything PTI can do to highlight PT advantage in faster construction? This item was not discussed.</p> <p>2.4.4 This item was discussed in a web meeting and is on hold.</p>

Item #	Expected Outcome / Actions Taken
<p>2.5 <u>DC-80.3 Guide for Evaluation and Repair of PT Structures</u></p> <p>2.6 <u>PTI M-10 & ACI 423.7</u> Watertightness testing of encapsulated tendons</p> <p>2.7 <u>M-10 & CRT-80 PT components requirements and certification</u></p> <p>2.8 <u>Barrier Cable test for short spans</u> Barrier Cable test for short spans. Asit proposed conducting simple testing of short BC run in order to establish/verify design criteria. There is disagreement on how to interpret IBC Code language and other industry guidance (PTI manual) for purposes of designing BC.</p> <p>2.9 <u>Other Initiatives?</u></p>	<p>2.5 DC 80.3 repair document is being updated. PTI has established contact with ICRI to work jointly on this effort. See also item 5.1.7.</p> <p>2.6 This item was covered in the web meeting on 4/16/20. There was another ballot on the ACI 423 subcommittee that passed with general consensus and will be sent to the main 423. PTI can now adjust M10.2 to match this new testing protocol. The 423 meeting is on Monday at 11:30 EDT during the ACI Convention next week.</p> <p>2.7 This item was covered in the web meeting on 4/16/20. Some comments from TAB were forwarded to the M-10 TG. The proposals were balloted by M-10; this item can be removed from the TAB agenda.</p> <p>2.8 Report by Asit Baxi:</p> <ul style="list-style-type: none"> • Simple test with an approximate cost of \$20,000 • Testing on real structure not feasible because of legal issues • 1/2 scale in a test frame • Two methods, the static and the dynamic one • Short spans are the problem • Working on test parameters <p>2.9 Carol Hayek raised again the progressive collapse issue:</p> <ul style="list-style-type: none"> • Mehrdad Sassani was on TAB agenda some time ago but he did not agree to present the testing proposals to TAB without PTI paying for the trip. He joint DC-20 online this week. • Testing of an 8 ½ in. 2-w slab with removing one column • The effort would have to generate sufficient support. • The needed contribution would be about 100,000 for 1 ½ years. Potential contributors were contacted by Sassani including CRSI, etc. The goal would be to prove excellent resilience of PT systems. Carol will get more details and PTI could possibly participate. • Projects that require progressive collapse design are either federal government's projects or private ones if the building it to be leased to the federal government. No other private buildings would require it. • PT is currently not being considered as a system that can be used to meet the requirements.
<p>3. Relations with other Organizations</p> <p>3.1 <u>ACI</u> 3.1.1 ACI 301, Specification for</p>	<p>3.1.1 ACI 301: Neel Khosa is the new PT subcommittee Chair.</p>

Item #	Expected Outcome / Actions Taken
<p>Structural Concrete</p> <p>3.1.2 ACI 318, Structural Concrete Building Code</p> <p>3.1.3 ACI 350, Environ. Eng. Conc. Structures</p> <p>3.1.4 ACI 362, Parking Structures</p> <p>3.1.5 ACI 423, Prestressed Concrete</p> <p>3.2 <u>ICRI</u></p> <p>3.3 <u>IBC</u></p> <p>3.4 <u>AISC</u></p> <p>3.5 <u>ASCE</u></p> <p>3.6 <u>ASBI</u></p> <p>3.7 <u>TRB</u></p> <p>3.8 <u>FIB</u></p> <p>3.9 <u>CSA</u></p> <p>3.10 <u>ACCS</u></p> <p>3.11 <u>Contacts to Spec Writing Agencies</u></p>	<p>3.1.2 See item D.1</p> <p>3.1.3 ACI 350: New cycle starting</p> <p>3.1.4 ACI 362:</p> <p>3.1.5 ACI 423: 423.7 specification is being finalized.</p> <p>3.2 A joint effort is underway to produce a new revision of the DC80.3-12 document. See also item 5.1.7</p> <p>3.3 DC10.5-19: Standard Requirements for Design and Analysis of Shallow Post-Tensioned Concrete Foundations on Expansive and Stable Soils DC10.Barrier Cable</p> <p>3.4</p> <p>3.5</p> <p>3.6 Closer cooperation between PTI, ASBI, PCI is evolving as part of the National Concrete Bridge Council (NCBC) in an effort to provide industry information to AASHTO with FHWA support.</p> <p>3.7</p> <p>3.8</p> <p>3.9</p> <p>3.10</p> <p>3.11</p>
<p>4. Technical Committee Procedures</p> <p>4.1 <u>Technical Committee Manual</u></p> <p>4.2 <u>Post-Tensioning Terminology (PTT)</u></p>	<p>4.1 With some changes of the By-Laws, the TCM should now be updated. It was proposed to combine TCM and CCM to avoid unnecessary duplication or inconsistent approach.</p> <p>4.2</p>

Item #	Expected Outcome / Actions Taken
4.3 <u>Membership Appointment Procedures</u>	<p>4.3 TCM regulates appointments of membership; Section 1.5. Are there any proposed changes to this process? A new DC-35 Chair needs to be appointed; Matt Niermann, the Chair in the previous cycle suggested these candidates from former members.</p> <ol style="list-style-type: none"> 1. Andrew Baxter 2. Thomas Printz 3. Francis Arland <p>Staff and outgoing Chair will contact the candidates for their ability to lead the committee.</p>
<p>5. Technical Committee Reports</p> <p>5.1 <u>PTI Technical Committees</u></p> <p>5.1.1 DC-10</p> <p>5.1.2 DC-20</p> <p>5.1.3 DC-25</p> <p>5.1.4 DC-35</p>	<p>5.1 Reports from committee Chairs / TAB Contacts</p> <p>5.1.1 DC-10, Slab-on-Ground Committee; Chair Tony Childress (Don Illingworth – TAB Contact)</p> <ul style="list-style-type: none"> • Post-Tensioned Concrete Courts: Published • Flatwork Tech Note: Published shortly • SOG Design Guide – being finalized <p>5.1.2 DC-20, Building Design Committee; Chair Carol Hayek</p> <ul style="list-style-type: none"> • Restraint Cracking Document: Finalizing; balloted by TAB • Dual Banded PT Tech Note (since T3 tested): balloted • Restrained vs. Unrestrained FAQ: To TAB soon • Temperature Tendons FAQ: To TAB soon <p>DC-20A, BIM Subcommittee; Chair Frank Malits</p> <ul style="list-style-type: none"> • Final IFC exchange document: To ACI 131 in August 2020 • PTI and ACI review to run concurrently in September 2020 <p>5.1.3 DC-25, Parking Structures Committee; Chair Rashid Ahmed</p> <ul style="list-style-type: none"> • Established in 2019 • Updating PTI/CRSI/NRMCA “CIP Concrete Parking Structures” from 1992; target publication in 2021 • TG: Standard efficient designs with pricing for various design classes; target publication in 2021 • TG: Tech Note, Recommendations for CIP PT Structure Durability Advantages; target publication late 2020 • Planning on updating of DC20.7-01, Design, Construction and Maintenance of CIP PT Concrete Parking Structures; target publication in 2021 <p>5.1.4 DC-35, Prestressed Rock and Soil Anchor Committee (Asit Baxi – TAB Contact)</p> <ul style="list-style-type: none"> • PTI DC35.1-14, Recommendations for Prestressed Rock & Soil Anchors • Committee meets at the virtual convention.

Item #	Expected Outcome / Actions Taken
5.1.5 DC-40	<p>5.1.5 DC-40, Bridge Design Committee; Chair Brian Merrill (Mike Schwager – TAB Contact)</p> <ul style="list-style-type: none"> • FHWA document being updated to new AASHTO Specifications • Slow process
5.1.6 DC-45	<p>5.1.6 DC-45, Cable Stayed Bridge Committee, Chair Gregory Hasbrouck (Mike Schwager – TAB Contact)</p> <ul style="list-style-type: none"> • New cycle after publication of DC45.1-18, Recommendations for Stay Cable Design, Testing, and Installation • Several new initiatives • Task groups meeting end of June / beginning of July on: <ul style="list-style-type: none"> • Bending fatigue • Filler test • HDPE pipe requirements • Performance monitoring
5.1.7 DC-80	<p>5.1.7 DC-80, Repair, Rehab. & Strengthening Committee; Chair Tracy Naso (Don Kline – TAB Contact)</p> <ul style="list-style-type: none"> • Working to issue ballot on Repair Webinar this fall • Starting review of needed updates to DC80.3-12, Guide for Evaluation & Repair of Unbonded PT Concrete Structures; new edition will be coordinated with ICRI • TN drafted and ready for committee review/ballot
5.1.8 M-10	<p>5.1.8 M-10, Unbonded Tendon Committee; Chair Michael Williams (Rashid Ahmed – TAB Contact)</p> <ul style="list-style-type: none"> • M10.2-17, Specification for Unbonded Single Strand Tendons with Addendum #1 published in November 2019 • Working on new requirements for PT system components • Balloting of proposals – resolving negatives at this meeting • This revision will provide requirements for CRT-80 Unbonded PT Systems Certification <p>Barrier Cable documents' updates nearing completion</p> <ul style="list-style-type: none"> • TG completed Tech Note 14 revision: M-10 Ballot in July 2020
5.1.9 M-50	<p>5.1.9 M-50, Bonded Tendon Committee; Chair Bob Sward (Edgar Zuniga – TAB Contact)</p> <ul style="list-style-type: none"> • New cycle after publication of M50.3-19 Specification for Multistrand & Grouted PT • Electrically Isolated Tendons (EIT) • Replaceable Tendons • New business items from last cycle
5.1.10 M-55	<p>5.1.10 M-55, Grouting Committee; Chair Brian Merrill</p>

Item #	Expected Outcome / Actions Taken
<p>5.2 <u>Committees' Annual Reports</u></p> <p>5.3 <u>TAB Contact Assignments</u></p> <p>DC-10: Don Illingworth DC-20: Carol Hayek DC-25: Rashid Ahmed DC-35: Asit Baxi DC-40: Mike Schwager DC-45: Mike Schwager DC-80: Don Kline M-10: Rashid Ahmed M-50 Edgar Zuniga M-55: Andrea Schokker</p>	<p>(Andrea Schokker – TAB Contact)</p> <ul style="list-style-type: none"> • New cycle after publication of M55.1-19 Specification for Grouting of PT Structures • New business items from last cycle • John Pearson reported to M-55 on an investigation of failed tendons on a bridge. There was strand failure, stress corrosion, and hydrogen embrittlement. Water entered galvanized duct with strand. That may be particularly a problem when galvanized duct is used and if tendon is not grouted for a while. Corrosion inhibitor was used but it is not effective if water is in the duct. This creates bad publicity and safety issue. It is the battery effect, which is also an issue for temporary stays etc. There is no redundancy for temporary situations. An M-55 TG will discuss if it should be addressed in M50.3 specification or in a TN. Plastic duct would be better but there is no space in precast spliced girders with narrow web. But a galvanic corrosion should not happen as the zinc would be sacrificial; the galvanization should not cause it. The TG will try to find the cause and potential solutions after that. <p>5.2 Committee are asked to submit the Annual Reports by the end of October.</p> <p>5.3 There is no need for TAB contact for subcommittees or TGs, although there might be occasionally a need for TAB representation on a subcommittee or TG. When TAB members retire from TAB and/or new members join, TAB contact assignments will be reviewed and revised accordingly. Revised TAB Contact Assignments:</p> <p>DC-10: Don Illingworth DC-20: Carol Hayek DC-25: Jonathan Hirsch DC-35: Asit Baxi DC-40: John Crigler DC-45: Mike Schwager DC-80: Don Kline M-10: Edgar Zuniga M-50 Edgar Zuniga M-55: Andrea Schokker</p>
<p>6. Technical Committee Documents (Open Meeting)</p> <p>6.1 <u>Existing PTI Technical Documents</u></p>	<p>6.1 Existing documents</p>

Item #	Expected Outcome / Actions Taken
<p>6.2 <u>New / Proposed PTI Technical Documents</u></p> <p>6.2.1 TAB.1 PT Manual</p> <p>(a) The process for TAB review of chapters:</p> <ul style="list-style-type: none"> • Ballots 30 days; two chapters at a time • Schedule regular web meetings • Ballot reminders; 2W, 1W, 3D (web balloting) • For each chapter, there are 2 TAB Primary Reviewers • Outside reviewers can be added if needed. Some committees such as DC-20 and DC-80 may have volunteers to review respective chapters. <p>(b) Status Report: Tim Christle</p>	<p>6.2 Proposed documents</p> <p>6.2.1 PT Manual</p> <p>(a) The update of the PT Manual is a major effort, and it follows the outlined process.</p> <p>(b) New target to completion: Second quarter of 2021; progress:</p> <ul style="list-style-type: none"> • 6 chapters through balloting • 7 chapters going to ballot • 3 chapters in review before ballot • 9 chapters still outstanding: <ul style="list-style-type: none"> ○ 6 staff chapters ○ 3 chapters still with external authors (barrier cable, anchorage zone (Carin is too busy), and stay cables • Comments to be resolved: <ul style="list-style-type: none"> ○ Chapter 14, tanks, back to author ○ Chapter 15, rock & soil anchors, not resolved • Chapter on anchorage zone needs just an update; it is a new chapter, but it is based on the Anchorage Zone document. John Crigler will check with Carin and Zuming Xia might be available update it; Asit can also assist; all these can support Carin to get it done. • The design example chapter still needs resolution of comments; quite a few were generated by the TAB ballot. • Chapters going to TAB next: 10, 11, one other
<p>7. Other Publications (Open Meeting)</p> <p>7.1 New PTI Technical Notes?</p> <p>7.2 New PTI FAQs?</p> <p>7.3 PTI <i>JOURNAL</i></p>	<p>7.1 Technical Notes nearing completion:</p> <ul style="list-style-type: none"> • Temperature Tendons: • Restraint to Shortening: <p>7.2</p> <p>7.3 A paper was submitted to PTI with a negative view of unbonded PT installation: Pantoli et. Al. "Is Tendon Tail Cutting</p>

Item #	Expected Outcome / Actions Taken
	<p>Compromising the Watertightness of Encapsulated PT Tendons” TAB and some EC members have reviewed it. Modifications would be necessary before possible publication.</p> <p>The general issue is how to deal with negative reporting on PT:</p> <ul style="list-style-type: none"> • Simply not publish – may get published elsewhere without PTI control • Try to modify to remain factual – not hiding issues but ensuring they are in the right context <p>Torch cutting is still the predominant method. The pocket shear should be improved to avoid still some problems with it in the field.</p> <p>More training is needed and could be included in the PTI Certification Weeks’ field demonstrations.</p> <p>The inspection should also be augmented to verify proper installation of the encapsulation cap.</p>
<p>8. Conventions and Other Meetings (Open Meeting)</p> <p>8.1 2020 / 2021 Technical Sessions</p> <p>8.2 2021 Committee Chair Luncheon</p> <p>8.3 2021 PTI & TAB Awards</p>	<p>8.1</p> <p>8.2</p> <p>8.3</p>
<p>9. Educational Items</p> <p>9.1 <u>Excerpt from the Strategic Plan:</u></p> <ul style="list-style-type: none"> • Revise and update documents older than 6 years • Revise and update FAQs and TNs older than 4 years • Develop library of selected FAQs with focus on PTI position on all PT applications • Identify research needs for PT • Solicit support from stakeholders for financing, per project • Develop a course for PTI Building Design and compile required webinar modules and course materials • Develop a course for PT SOG Design and compile required webinar modules and course materials <p>9.2 <u>Design Seminars</u> PTI offers half- and full-day in-person seminars per special request.</p>	<p>9.1 Coordination with the Education Committee; Professor’s Seminar – TAB recommendations:</p> <p>9.2 PTI should respond to the raising demand for online PT design seminars. Development of new material takes a long time, and an interim solution should be offered, some options:</p>

Item #	Expected Outcome / Actions Taken
Demand raising for online delivery	<ul style="list-style-type: none"> • Use existing PPs for a live delivery (available immediately) • Record such webinars for wider and on-demand delivery (a couple of months the most to make this available) • Update some of those presentations and delivers similar to the items above • Restructure materials for a true interactive online learning (probably at least 6 months away) <p>Don Kline updated the PPs for the newest code (318-19). Andrea can do virtual seminars if needed. Brian Allred would likely agree as well. PTI should move forward with offering virtual design seminars.</p>
D. New Business (Open Meeting) D.1 Any New Business?	D.1
E. Next Meeting E.1 2021 PTI Convention, Indianapolis IN, April 18-21, 2021 E.2 Web Meetings	E.1 Westin Indianapolis: exact day and time will be announced when known. E.2 As needed
F. Adjourn	F. Meeting adjourned at 6:10 PM.

AGENDA / MINUTES EXHIBITS

Exhibit #	Subject
A.2	Attendee Report
A.4	PTI Antitrust Policy
B.2.1	Meeting Minutes from 6/9/20 – See TAB web page

TAB Virtual Convention Meeting, October 22, 2020; ATTENDEE REPORT

Name (Original Name)	User Email	Join Time	Leave Time	Duration (Minutes)
Michelle Stern (Host)	michelle.stern@post-tensioning.org	10/22/2020 13:51	10/22/2020 14:15	24
Don Kline		10/22/2020 13:51	10/22/2020 13:59	8
John Crigler		10/22/2020 13:51	10/22/2020 13:59	8
Sara Steptoe-Campbell	sara.steptoe-campbell@post-tensioning.org	10/22/2020 13:52	10/22/2020 13:54	3
DON		10/22/2020 13:52	10/22/2020 13:59	7
Asit Baxi		10/22/2020 13:57	10/22/2020 13:59	2
Don Kline		10/22/2020 13:58	10/22/2020 13:58	1
Edgar Zuniga		10/22/2020 13:58	10/22/2020 13:59	1
Jonathan Hirsch		10/22/2020 13:58	10/22/2020 13:59	1
Tim Christle	tim.christle@post-tensioning.org	10/22/2020 13:58	10/22/2020 18:16	258
Jonathan Hirsch		10/22/2020 13:59	10/22/2020 14:04	6
Don Kline		10/22/2020 13:59	10/22/2020 18:16	257
Asit Baxi		10/22/2020 13:59	10/22/2020 18:16	257
Edgar Zuniga		10/22/2020 13:59	10/22/2020 18:01	243
John Crigler		10/22/2020 13:59	10/22/2020 18:16	257
DON		10/22/2020 13:59	10/22/2020 18:16	257
Carol Hayek		10/22/2020 13:59	10/22/2020 13:59	1
Andrea J Schokker	aschokke@umn.edu	10/22/2020 13:59	10/22/2020 13:59	1
Andrea J Schokker	aschokke@umn.edu	10/22/2020 13:59	10/22/2020 18:05	246
Miroslav Vejvoda	miroslav.vejvoda@post-tensioning.org	10/22/2020 13:59	10/22/2020 14:00	1
Carol Hayek		10/22/2020 13:59	10/22/2020 18:16	257
Hamid Ahmady		10/22/2020 14:00	10/22/2020 14:00	1
Mike Schwager		10/22/2020 14:00	10/22/2020 14:00	1
Hamid Ahmady		10/22/2020 14:00	10/22/2020 18:15	256
Mike Schwager		10/22/2020 14:00	10/22/2020 18:15	256
Rashid Ahmed		10/22/2020 14:00	10/22/2020 14:00	1
Miroslav Vejvoda	miroslav.vejvoda@post-tensioning.org	10/22/2020 14:00	10/22/2020 18:16	256
Rashid Ahmed		10/22/2020 14:00	10/22/2020 18:15	256
Doug Schlegel		10/22/2020 14:01	10/22/2020 14:01	1
Doug Schlegel		10/22/2020 14:01	10/22/2020 16:30	150
Jonathan Hirsch		10/22/2020 14:04	10/22/2020 14:53	49
Michelle Stern (Host)	michelle.stern@post-tensioning.org	10/22/2020 14:16	10/22/2020 15:58	102
Martin Cuadra		10/22/2020 14:26	10/22/2020 14:27	1
Martin Cuadra		10/22/2020 14:27	10/22/2020 18:15	229
Jonathan Hirsch		10/22/2020 16:07	10/22/2020 16:09	2
Jonathan Hirsch		10/22/2020 16:09	10/22/2020 16:09	1
Jonathan Hirsch		10/22/2020 16:09	10/22/2020 16:10	2
Jonathan Hirsch		10/22/2020 16:10	10/22/2020 16:20	10
Doug Schlegel		10/22/2020 16:30	10/22/2020 18:16	106
Jonathan Hirsch		10/22/2020 17:44	10/22/2020 18:12	28
Jonathan Hirsch		10/22/2020 14:53	10/22/2020 16:07	75
Jonathan Hirsch		10/22/2020 16:20	10/22/2020 17:44	85

At a meeting on October 8, 1980, the Board of Directors first discussed the Institute's status and policies regarding compliance with antitrust laws. After review of both the internal and external compliance procedures, the following resolution was approved:

"The staff, officers, directors and members of the Post-Tensioning Institute are reminded that they are required to comply with the spirit and specific requirements of the antitrust laws on all activities within the scope of, and related to, the official functions of PTI. Further, this restated position, along with appropriate explanatory material, should be placed in all meeting folders/books periodically, beginning with the 8th of October meeting of PTI."

On July 24, 2012 and again on October 7, 2015, the Executive Committee authorized Legal Counsel to review and update this Policy Statement in the perspective of the Department of Justice Business Review Letter of July 30, 1997 and current case law. As a continuing guide for your participation in PTI's meetings, please review and continue to adhere to the following "Legal Limitation on Discussions at PTI Meetings."

LEGAL LIMITATION ON DISCUSSIONS AT PTI MEETINGS AND EVENTS

A free exchange of ideas on matters of mutual interest to the members is necessary for the success of all meetings. Indeed, such an exchange of views is essential to the successful operation of every trade association and the law specifically allows legitimate exchange of views pertaining to, e.g., quality control, safety, building design and construction integrity, etc.

It is not the purpose of this memorandum to discourage the exploration in depth of any matters of legitimate concern to meeting participants. Nevertheless, to ignore certain antitrust ground rules, either through ignorance or otherwise, is to create a civil and criminal hazard businessmen simply cannot afford.

It is for these reasons that PTI provides you with a reminder that certain areas of formal and informal communication between competitors or between manufacturers and their suppliers and customers must be avoided, as posing potential antitrust problems.

The Sherman Antitrust Act, the Clayton Act, the Federal Trade Commission Act, and the Robinson-Patman Act comprise the basic federal antitrust laws, which set forth the broad areas of conduct considered illegal as restraints of trade. In general, agreements or understandings between competitors that operate as an impediment to free and open competition are forbidden. Federal antitrust prohibitions forbid any "agreement or understanding...to substantially lessen competition or tend to create a monopoly in any line of commerce." An important point to keep in mind is that communications and discussions between competitors or between sellers and customers, about matters which may be considered anti-competitive, often comprise the evidence from which courts infer antitrust violations. ***It is the policy of the Post-Tensioning Institute that such agreements, understandings or communications shall not be tolerated at any formal or informal meetings or social events of the Institute.***

The general prohibitions contained in the federal antitrust laws, have been particularized in the form of a series of consent decrees, originally entered against a number of member companies of various trade associations and the associations themselves. It is important to note that these laws not only apply to PTI members, but also to PTI itself. Often trade associations have been and are presently co-defendants in cases brought by the Justice Department and the Federal Trade Commission ("FTC"). Recently, the FTC has stated: "*Because trade associations are by their nature collaborations among competitors, the Commission and courts have long been concerned with anti-competitive restraints imposed by such organizations under the guise of codes of conduct. Competing for customers, cutting prices, and recruiting employees are hallmarks of vigorous competition. Agreements among competitors not to engage in these activities injure consumers by increasing prices and reducing quality and choice.*" Similar "codes" or policies and requirements that encourage directly or indirectly members' unlawful activity are strictly forbidden by PTI in the course of its business with its members.

SPECIFIC EXAMPLES OF ACTIVITIES AND PRACTICES PROHIBITED

AT ALL PTI MEETINGS AND EVENTS:

Included in activities and practices which are forbidden, and are contrary to the policy of the Institute, both under the general antitrust laws and the consent decrees, subject to the said Business Review Letter, are the following:

- Agreeing to allocate markets, customers or suppliers among competitors, classify certain customers or suppliers being entitled to preferential treatment by manufacturers, and establish geographic trading areas.
- Participating in any plan designed to induce any manufacturer or distributor to sell or refrain from selling, or discriminate in favor of, or against any particular customer or class of customers.
- Agreeing in any manner to fix or otherwise establish bids, prices (including price increases, decreases, standardization or stabilization), profits, costs, contract terms affecting price (such as discounts and credit terms), etc. because, e.g. prices were too low, with the exception of certain resale pricing agreements between manufacturers and retailers or distributors.
- Agreeing in any manner to limit or restrict the quality of products to be produced (e.g., restrictions on selling coated strand to certain customers).
- Participating in any plan which has the effect of discriminating against, or excluding competitors, suppliers or customers.

These examples are provided to guide you in your discussions during formal and informal PTI meetings and social events. If the occasion arises, more specific advice will be provided by legal counsel, who is required by Article IV, Section 7 of the PTI By-Laws to be present at all meetings of the Board of Directors and the Executive Committee.