



American Concrete Institute

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Meeting Agenda

ACI 117 - Tolerances

Webinar Meeting

May 18, 2016 / 10:00 – 11:00 EDT

Committee Mission: Collect, develop and specify tolerances and related information for concrete construction and materials through liaison with other ACI committees and related industry organizations

Chair: Eric Peterson

Secretary: Scott Anderson

1. Administrative [5 min]

- I. Welcome from the Chair, Introductions of Members and Guests, and perform a roll-call of those logged into the meeting

2. Strategic Planning and Discussion [Balance of Meeting]

- I. Introduce Beverly Garnant;
- II. Bev Garnant presents proposal for the cosponsorship of ACI Committee 117 with the American Society of Concrete Contractors.
- III. Open Discussion

3. Adjournment

Proposed: ACI-ASCC Tolerance Committee (ACI-ASCC 117)

Technical Committee Manual TCM-15: Joint committee request in accordance with section 1.4.2.

ACI Policy on Joint Committees: Joint committees may be formed when the following criteria are met:

- (a) Objective of the proposed activity is desirable and within the field of ACI endeavor
- (b) Interests of both societies would be served equally well
- (c) Joint participation will avoid duplication of effort
- (d) Joint participation will speed document development
- (e) Joint participation will bring wider acceptance of results
- (f) Joint participation offers greater prospect of funds for research and experimentation than acting singly
- (g) Prospective membership would be harmonious, even though there might be anticipated differences of opinion
- (h) ACI will receive full recognition in any publicity given the joint committee

Joint Committee Status Request to TAC: An existing committee may request to become a joint committee with another organization when at least 75 percent of committee voting members vote in favor of the proposed arrangement. The chair must forward comments for negative voters to TAC. This is considered an administrative ballot and negative votes need to be resolved.

The following questions should be addressed in the request to TAC:

- (a) What is the proposed title and mission for the joint committee?

The title and mission will not change. The current title and mission statement are: ACI 117 "Tolerances" and the mission statement is "Collect, develop, coordinate and specify tolerances and related information for concrete construction and materials through liaison with other ACI committees and related industry organizations."

- (b) Who will be the lead sponsoring organization?

ACI will be the major sponsor and the joint committee will operate in accordance with the ACI Technical Committee Manual. ASCC will be the minor sponsor and provide technical input during the TAC document review and provide names of individuals for TAC to consider when creating a chair slate. The Committee will be designated as a joint committee in all communications.

(c) How will the interests of both organizations be served?

The organizations have been informally working together on tolerances during the past several years. For instance, from 2007 to 2011, ASCC supported ACI 117 with a \$82,570 grant to complete ACI 117.1R-14 “Guide for Tolerance Compatibility in Concrete Construction.” In addition, after TAC returned the document to the committee for revision, reballoting and resubmission (3R), ASCC contributed the many hours needed to revise the document. As a result, the front page of the document states “Special acknowledgement to Ward Malisch for his contribution to this guide.” Dr. Malisch was ASCC Technical Director during the revision to this document but was not an ACI 117 committee member. The joint committee would provide formal recognition to the efforts of both ASCC and ACI with respect to their interests in tolerances.

ACI publishes two building industry standards that are of special interest to concrete contractors:

- Specifications for Structural Concrete (ACI 301)
- Specification for Tolerances for Concrete Construction and Materials and Commentary (ACI 117)

These two standards include requirements that must be met by contractors. A formal joint committee that sets tolerances for concrete construction would acknowledge that concrete contractors are aware of, contribute to, and support the use of the ACI 117 tolerances.

(d) How will the joint sponsorship speed and bring a wider acceptance of results?

The ASCC Education, Research & Development Foundation has collected \$50,000 that will be used to enhance future development of concrete construction tolerances. These funds could be used to assist in data collection, document revision, and funding individuals to develop and write various sections and chapters of a new ACI 117. The committee is currently at work on a new document, but progress has been slow. This funding would provide the impetus to accelerate the development of a statistically based tolerance document.

In addition, through a Memorandum of Understanding (MOU), ASCC is willing to provide its publication “Tolerances for Cast-in-Place Concrete Buildings” to the joint committee for its use. This publication contains a summary of tolerance data from several sources. It also includes an historical narrative that includes public comments on the original ACI 117 document and comments of ensuing revisions. The use of this publication help will speed the committee’s development of a new statistically based revision of ACI 117.

- (e) What are the committee goals and anticipated time frame for achieving these goals?

The joint committee goal would be the same as one of the current committee goals: Develop a statistically based tolerance document. ACI 117 has currently been reapproved for 2015. The development and publication of the next ACI 117 revision would be timed to coordinate with revisions of ACI 318 and ACI 301 in 2019.

- (f) After achieving these goals, does the proposed committee anticipate a change in committee or sponsorship status?

After development and publication of this first statistically based tolerance document, continued collection of data and subsequent revisions based on the data will be necessary. The continued development of this document is best served by continued cooperation of both ACI and ASCC. It is anticipated that the joint committee will continue to support future revisions of the tolerance documents.

- (h) Where and how often would the joint committee hold regular meetings?

The joint committee would hold meetings at the regularly scheduled ACI Conventions.