



American Concrete Institute

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Meeting Agenda

ACI 117 - Tolerances

DISNEYLAND HOTEL, ANAHEIM, CA – PARADISE PIER-PACIFIC BALLROOM C-D

OCTOBER 17, 2017 - 8:00AM – 11:30AM

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

Vice Chair Bruce Suprenant

Secretary: Michael Ahern

Monday, October 16 Afternoon Meetings		
Location – Paradise Pier-Monterey		
Time	Subcommittee	Room
3:00 – 4:00	117-0A Editorial/General Requirements	P-Monterey
4:00 – 5:00	117-0D CIP Buildings	P-Monterey
5:00 -- 6:00	117-0F CIP Floors	P-Monterey

1. Administrative [15 min – 08:15]

- I. Welcome from the Chair, Introductions of Members and Guests, and complete sign-in sheet.
- II. Committee membership and balance
- III. Verification of Quorum
- IV. Review and Approval of the Spring 2017 Convention meeting minutes.
- V. Timeline to Complete Activities for ACI-ASCC 117-19

2. Joint Committee Update [5 minutes – 08:20]

- I. ASCC / ACI Joint Committee Update – Cover ongoing work by ASCC on tolerances
- II. Upcoming WOC Laser Scanning Work Shop

Always advancing

3. 117 Revision – General Items [15 minutes – 08:35]

- I. Note email withdrawal of negative votes for Web Ballot 7241 and record in minutes
- II. Vote to disband Subcommittee G and merge slip-formed concrete structures into Section 4
- III. Vote to disband Subcommittee H – Canal Linings
- IV. Vote to disband Subcommittee J – Chimneys and Cooling Towers

4. Task Group Reports [2:45 – 11:20]

- I. Subcommittee A – Editorial / General Requirements – Bruce Suprenant (20 min. – 08:55)
 - a. Monday Meeting – Notes to Specifiers and Foreword to Checklists
 - b. Elimination of Introduction
 - c. Definitions – sources and differences between CT, ITG-7 and 117, ...
 - d. General Requirements – Who Tests, Sampling/Masurement Submittal, Measurement Error, Acceptance/Rejection of Tolerances ACI 301
 - e. Mandatory and Optional Checklists
 - f. Two-column approach to formatting draft document
- II. Subcommittee B - Materials - Dennis Hunter (10 min. – 09:05)
 - a. Bending Tolerances – CRSI to complete by November
 - b. Differences in Break Point Discrimination Between Rebar and Pre-stressed Concrete Placing Tolerances
 - c. Placement Tolerances
 - d. Reformatting
- III. Subcommittee C - Foundations - Peter Ruttura (10 min. – 09:15)
 - a. Auger-Cast and Micropiles Pile Cap Drawing
 - b. Committee 336 Coordination
 - c. Ballot Ready
- IV. Subcommittee D - Buildings – Michael Ahern (20 min. – 09:35)
 - a. Tolerance Referencing
 - b. Depression Tolerances
 - c. Curb Types and Tolerances
 - d. Straw Pole
- V. Subcommittee E - Precast – David Peterson (15 min. – 09:50)
 - a. Merging with 117 – What needs to be done?
 - b. Review of Definitions in ITG which Conflict with 117

- c. Review of Acceptance in ITG that are Different than 117
- VI. Subcommittee F - Slabs - Allen Face (20 min. – 10:15)
 - a. Definition of Test Surface
 - b. Required Quantity of Sample Points for FL
 - c. Proportional Relationships of F Numbers
 - d. Minimum Local Areas
 - i. Definition
 - ii. Testing
 - e. Decimal Reporting of F Numbers vs Specification of Integer Values
 - f. Camber
 - g. Testing of Surfaces Which are Not Hard Troweled
 - h. Tolerances for Slopes and Ramps
 - i. Testing of E1155 Excluded Areas
 - j. F_{min}
- VII. Subcommittee I - Exterior Pavements - David Buzzelli (10 min. – 10:20)
 - a. Reformatting
 - b. Revisions
- VIII. Subcommittee K - Tilt-up David Buzzelli (10 min. – 10:30)
 - a. Reformatted Document
- IX. Subcommittee L - Laser Scanning – Philip Lorenzo (20 min. – 10:50)
 - a. Wall Movement and Monitoring
 - b. Owners Specifications – Kaiser, Google, Sutter, UCSF
 - c. Tech Note – Use of Laser Scanning for Evaluation of Tolerances
 - d. WOC Workshop
- X. Subcommittee M – Movements Affecting Tolerances - Bruce Suprenant (15 min. – 11:05)
 - a. Movements in One Location in Document
 - b. Movement Choices
- XI. Subcommittee N - Tolerance Data – Jacob Borgerson (15 min. – 11:20)
 - a. Statistical Tolerances
 - b. Database on Tolerances

5. New Business [10 min]

6. Adjournment

The next meeting will be at 08:00, March 27th, at the Grand America & Little America, Salt Lake City, UT,