

## **AGENDA**

**ACI Committee 201 – Durability  
Virtual Meeting instead of Baltimore MD  
Tuesday, March 30, 2021  
(11:00 a.m. – 2:00 p.m. EDT)**

**Join Link: <https://global.gotomeeting.com/join/873907117>**

**Conference Call Info: US: +1 (571) 317-3112 Access Code: 873-907-117**

- 1) Call to order
- 2) Introductions (will skip for the virtual meeting)
- 3) Approval of the Minutes from the virtual meeting – Fall 2020.
- 4) Membership Report
  - a) Status (as of Mar. 16, 2021): 2 officers, 35 voting members, 147 associate members, 9 consulting members, and 11 subcommittee members, and 1 liaison member.
  - b) Upcoming membership changes: after the current ballots have closed, some changes to voting membership have been requested (2 voting members will become consulting members and 4 associates will become voting members).---ACI does not change membership while a committee ballot is open.
- 5) Summary of ACI 201 Objectives and Goals – Doug Hooton and Larry Sutter
  - i) Recent Committee structure change: The new corrosion Subcommittee 201-I now has 10 members (D. Trejo)
  - ii) Current committee structure:
    - a) 4 Subcommittees: 201-D Steering (chapter, TG and sub chairs) (Doug Hooton)  
201-H Aggregate Reactions (also Ch. 5) (April Snyder)  
201-I Corrosion of Metals (also Ch. 9) (D. Trejo)  
201-L Liaison
    - b) 2 Task Groups: TG2 Physical Salt Attack (also Ch. 8) (Mohamed Bassuoni)  
TG5 Microbially Induced Corrosion of Concrete (James Aldred)
    - c) A new Subcommittee has been formed, 201-J: Chemical Attack on concrete, to provide recommendations to 321 and 350—The objective is to develop an expanded Chapter 7 in 201.2R that may include exposure classes and recommended requirements for the various chemical exposures listed in Chapter 7. ---*it was decided that new guidance needs to be developed by 201 before making recommendations to code committees. –TG5on microbial induced corrosion (sulfuric acid attack) will become a section of the revised chapter. David Rothstein will chair and Michelle Wilson will be vice-chair.*
- 6) 201 Published Documents:
  - a) 201.2R-16 Guide to Durable Concrete
  - b) 201.3T-19 Tech Note: Joint Deterioration and Chloride-based Deicing Chemicals
- 7) 201.2R-16 Revisions:  
Reports by each technical chapter chair(s) on progress regarding revisions:

As a reminder (from previous meetings), when revising these chapters, the following should be considered:

**Action:** Each chapter chair and their task groups should look at the 318 exposure classes and the current deemed-to-comply requirements, which are mainly  $w/cm$  and  $f'_c$  limits for each exposure class and decide if changes are warranted.

**Action:** Where needed, propose modifications to the appropriate segments of the 318 exposure classes and requirements table which can be included in the relevant 201.2R relevant,

**Action:** Where possible, recommend alternative performance requirements suggested/ recommended for meeting each exposure class, in lieu of the current deemed-to-comply requirements.

Chapter 3 Mass Transport- Rachel Detwiler /Michelle Nokken--- *Need to add sections on resistivity measurements and formation factor and update references together with Jason Weiss.*

Chapter 4 Freezing and Thawing- Don Janssen/ Tyler Ley—*The revised chapter is currently being balloted, closing April 11, 2021.*

Chapter 5 Aggregate Reactions- April Snyder/ Matt Adams—201subcommittee 0H: *Chapter 5 was balloted, closed Nov. 25, 2020. The results were: 15Aff, 4Aff/Comment, 4Neg, 2Abs, 12 not returned.* Chapter 6 Sulfate Attack- Thano Drimalas. ---*The revised chapter was balloted, closed March 22, 2021.*

Chapter 7 Chemical Attack- Dave Rothstein and Michelle Wilson –see item 5, ii, c above. This is now a new subcommittee, 201-J.

Chapter 8 Physical Salt Attack- Mohamed Bassuoni. *Revisions are being made and a ballot is planned for mid-April 2021.*

Also, a PSA review paper (detailed background for Chapter 8 updates) was published in Nov/Dec. issue of ACI Materials Journal: Sakr, M., Bassuoni, M. T., Hooton, D., Drimalas, T., Haynes, H. and Folliard, K. (Nov/Dec. 2020) "Physical Salt Attack on Concrete: Mechanisms, Influential Factors and Mitigation", ACI Materials Journal, V117, No. 6, pp. 253-268.

Chapter 9 Corrosion- David Trejo—newly formed 201 Subcommittee 0I (see 201-0I report below).—*this subcommittee now has 10 members.*

Chapter 10 Abrasion- Kyle Riding---*A revision to Chapter 10 was reballoted (Closed Nov 25, 2020). The results were: 18Aff, 5Aff/Comment, 0Neg, 2Abs, 12 not returned.*

- 8) Subcommittee and Task Group Reports on actions not related to current 201.2R chapters
  - a) Subcommittee 201-0H - Aggregate Reactivity TAC *comments on the proposed Tech Note on Pyrrhotite were so numerous, it was decided to do a complete rewrite.*
  - b) TG 5 - Microbially Induced Corrosion of Concrete. James Aldred & Sam Lines. *The objective of this TG is to develop a new chapter for 201.2R.—the final location of this chapter may need to be determined in light of new subcommittee on chemical attack.*
- 9) Updates on ACI 301, 318, 321 and 350 – Doug Hooton/Jason Weiss (318) Larry Sutter (321) and Thano Drimalas (350) and Michelle Wilson (301).
- 10) 201-01L Liaison Subcommittee Report: James Aldred (Australia).
- 11) Session Reports
  - i) This Convention:  
Microbially Induced Corrosion of Concrete, joint with C242: Sunday 4-6pm Moderators: Samuel J Lines, Claude Goguen—6 speakers.
  - ii) Future Conventions (submitted):

Deleterious Oxidation Reaction of Iron Sulfides in Concrete Aggregate Joint with C221 for Spring 2022  
(April Snyder)

- iii) Possible Future Session Ideas
- iv) DEF (Alireza Ghahremaninezhad, U. Miami; Matt D'Ambrosia (co-sponsor C231), date not yet set
- v) Code Provisions for Exposure Classes (L. Sutter) (co-sponsor C321), date not yet set.
- vi) Session on AAR after Chapter 5 is published (no plan yet)
- vii) Any other proposed new sessions for future conventions?

1) Old Business

2) New Business

- a) Request from 318 to consider addressing possible conflicts between F3 and C2 exposure requirements.

3) Presentations---not aware of any

4) Next C201 main Meeting – October 17, 2021 in Atlanta

5) Adjournment