

AGENDA

ACI Committee 201 – Durability Virtual Meeting instead of Raleigh NC

Tuesday, Oct. 27, 2020

(11:00 a.m. – 2:00 p.m. EDT)

Join Link: <https://global.gotomeeting.com/join/264347429>

Conference Call Info: US: +1 (571) 317-3122 Access Code: 264-347-429

- 1) Call to order
- 2) Introductions (will skip for the on-line meeting)
- 3) Approval of the Minutes from the virtual meeting in Chicago– Spring 2020.
- 4) Membership Report – Larry Sutter
 - a) Status (as of Oct. 13, 2020): 2 officers, 35 voting members, 139 associate members, 8 consulting members, and 11 subcommittee members, and 1 liaison member.
- 5) Summary of ACI 201 Objectives and Goals – Doug Hooton and Larry Sutter
 - i) PowerPoint presentation on new developments and directions for 201.2R rewrite (Doug).
 - ii) New Durability Code Committee was approved by TAC as C321 (Larry)
- 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 on progress regarding revisions:

As a reminder (from the Spring 2020 minutes), when revising these chapters,

- **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

Chapter 4 Freezing and Thawing- Don Janssen/ Tyler Ley—*A draft for ballot is expected later in 2020.*

Chapter 5 Aggregate Reactions- April Snyder/ Matt Adams—201subcommittee 0H: *Chapter 5 is being sent to ballot this month.*

Chapter 6 Sulfate Attack- Thano Drimalas. *A revised draft was sent for comment in Sept. 2020 and several comments/additions have been received.*

Chapter 7 Chemical Attack- Dave Rothstein

Chapter 8 Physical Salt Attack- Mohamed Bassuoni/ Harvey Haynes (*see TG 2 report below*)

Chapter 9 Corrosion- David Trejo—newly formed 201 Subcommittee 0I (*see 201-0I report below*).—*this subcommittee currently only has 3 members (D. Trejo, T. Moffatt and K. Obla) and needs to be populated.*

Chapter 10 Abrasion- Kyle Riding—*A revision to Chapter 10 was balloted (Closed May 3, 2020). Two negatives (D. Janssen and T. Van Dam) and 6 comments were received. These were addressed in July 2020 to the satisfaction of the negative voters, but the changes were more than editorial, so the revised chapter is being sent to ballot this month.*

- 8) Subcommittee and Task Group Reports
 - a) TG 2 - Physical Salt Attack (Chapter 8)– Mohamed Bassuoni, Chair. *A review paper on PSA was accepted for ACI Materials Journal (Physical Salt Attack on Concrete: Mechanisms, Influential Factors And Protection” by M. Sakr, M. Bassuoni, D. Hooton, T. Drimalas, H. Haynes and K. Folliard). An update to Chapter 8 was drafted and sent to the task group members for review in March 2020, a few comments have been received so far.*
 - b) Subcommittee 201-0H - Aggregate Reactivity (Chapter 5) –April Snyder, Chair. *Chapter 5 has been revised and is currently out for C201 ballot. balloting TAC comments on Tech Note on Pyrrhotite.*
 - c) TG 5 - Microbially Induced Corrosion of Concrete. James Aldred & Sam Lines. *This TG has started to develop a new chapter for 201.2R.*
 - d) TG 6 – Performance Options for 318 Code Requirements for Concrete Durability, Karthik Obla Chair. This task group was disbanded and will work within the newly formed subcommittee 201-0I on Corrosion.
 - e) Subcommittee 201-0I – Corrosion (Chapter 9)—David Trejo, Chair. *201. Chair Hooton had asked this new subcommittee to evaluate the need for additional exposure classes to the existing C-1 and C-2 exposures in 318, such as to address carbonation and marine exposures, and also to provide guidance on requirements for compliance with C-1 and C-2 exposures (and for any proposed new exposure classes). As well, the Spring 2020 minutes stated: Planning significant changes. References are outdated and much of the content is old or irrelevant.*

- 9) Updates on ACI 301, 318 and 350 – Doug Hooton (318) and Thano Drimalas (350) and Michelle Wilson (301)

- 10) 201-01L Liaison Subcommittee Report: James Aldred (Australia).

- 11) Session Reports
 - i) This Convention: Fall 2020 Virtual Convention in Raleigh, NC.
 - a) Benchmarking of Codes and Specifications for Service Life (Joint with 365)
 - b) Unusual Reinforcing Steel Corrosion: Industry Experience on Reinforcing Steel Corrosion Where Unexpected of Long-Lasting Reinforced Concrete in Corrosive Environments." 2 sessions approved
 - ii) Future Conventions:
 - Microbially Induced Corrosion of Concrete, Rescheduled to Spring 2021 in Baltimore
 - Early age verification of DEF potential (possibly Atlanta 2021?, Joint with 231?)
 - Session on AAR after Chapter 5 is published (no plan yet)
 - Session on Evaluation of Code Provisions for Durability---C201 jointly with new C321 Durability Code Committee.
 - iii) Any other proposed new sessions for future conventions?

- 1) Old Business

- 2) New Business

- 3) Presentations---none

- 4) Next C201 main Meeting – March 30, 2021 (Baltimore, MD)

- 5) Adjournment