

AGENDA
ACI COMMITTEE 365 – SERVICE LIFE PREDICTION

ACI Fall 2012 Conference
Toronto, Ontario, Canada

Monday, October 22th, 2012
9-11 am, Ice Palace
Meeting #49

1. Call to Order. The meeting was called to order at 9:10 am.
2. Self-Introductions and Membership Update. The sign in sheets are attached. A total of 11 full members, 0 consulting members, 4 associate members and 11 visitors were present. This was a quorum of the 27 voting members of the committee.
3. Approval of Previous Minutes. The minutes of the previous meeting in Dallas have been posted to the ACI website. Marcotte moved that the minutes be approved, and MacDonald seconded. The minutes were approved with no objections.
4. Approval of Agenda. The agenda has been distributed and was displayed. Marcotte moved that the agenda be accepted, Nagi seconded. The agenda was approved.
5. Progress update on State of the Art Document. Bentz summarized schedule moving forward.
 - a. Update on Chapter 2 . M. Nagi will take the lead with Fidjestol. The objective is to produce a draft for balloting prior to the Spring 2013 (Minneapolis) Convention.
 - b. Update on Chapter 4. E. Bentz is working on adding references and some additional sections based on the comments from the previous balloting prior to the Spring 2012 (Dallas) convention, working with D. MacDonald. The schedule is to re-ballot prior to the Spring 2013 (Minneapolis) convention.
 - c. The ballot on Chapter 3 achieved quorum with 10 affirmative votes, 9 affirmative with comments, 2 abstentions and 5 not returned. The negative and the significant technical comments were addressed as shown in the attached Table 2. The editorial changes will be implemented. Chapter 3 is now complete.
 - d. The ballot on chapter 6 achieved quorum with 12 affirmative votes, 5 affirmative with comments, 2 negatives, 3 abstentions and 5 not returned. Some of the negatives were addressed in the meeting, and some require additional information and will be need to be balloted. This is summarized in Table 3.
 - e. Future plans: See Table 1 for chapter plans. The objective is to have ready for TAC in early 2014.
6. Report on Technical Sessions
 - a. A session “Perspectives on Service Life” was held on Sunday October 21st 1:00-3:00 at this conference. Presentations were done by Nagi, Mammoliti, Gepraegs, Noyce, Lounis. The session was well received with a full house of up to 75 attendees.
 - b. “Case studies in service life modeling.” L Church & N Berke Co-moderators. They are considering a call for papers.
7. Next Meeting will be at the same time for the next convention.

8. Adjournment M. Nagi moved that the meeting be adjourned at 10:59 am, with B. Isgor seconding. The motion was approved unanimously.

Table 1: Status of State-of-the-Art Document Sections & Future Plans

Chapter	Title (Reviewers)	Status	Future Action Required
1.	Introduction	Drafting	Ballot required, perhaps in fall 2013
2.	Environment, Design, and Construction Considerations	Did not pass spring 2012 ballot. Document being reworked.	Plan to rebalot for spring 2013 conference
3.	In-service Inspection	Ballot passed, negatives resolved in 2012/10 meeting in Toronto.	Complete
4.	Methods for Predicting Service Life	Did not pass Spring 2012 ballot. Document being reworked.	Plan to rebalot for spring 2013 conference.
5.	Economic Considerations	Balloted in Feb 2007 Ballot Passed	Complete
6.	Examples	Ballot passed, some negatives resolved in 2012/10 meeting in Toronto, some require future ballot.	Ballot in Winter 2012/13.
7.	On-going work	Drafting.	Ballot required perhaps in fall 2013

Goal is to have document ready for TAC in early 2014.

Table 2. Summary of Changes to Chapter 3.

Comment Summary	Summary of Proposed Change	Vote (Y/N/A)
In section 3.3, should be “Detailed Condition Assessment” to align with other documents	In section 3.3, add “Detailed” in front of “Condition Assessment”	11/0/0
In Section 3.2, should be “Preliminary Condition Assessments” to align with other documents	In Section 3.2, change title to “Preliminary Condition Assessment”	11/0/0
In introduction, need to add context regarding the purpose of the condition assessment.	Added sentence “The level of effort and extent of assessment will vary depending on the objective of the assessment and initial condition of the structure.”	11/0/0
Some redistribution of items in Table 3.1	Table revised.	11/0/0
Table 3.2: Additional Tests requested to be included	Additional tests added (with references/ASTM numbers as appropriate)	11/0/0
Add mention of XRF to 3.2.2	Sentence with XRF and XRD added	11/0/0
Add additional tests to Table 3.3	Additional Tests added	11/0/0
Margin of Safety vs. Factor of Safety	Left as is as is appropriate in context. Factor of Safety relates to ratio of capacity over demand, Margin of safety is difference between capacity and demand.	11/0/0

Table 3. Summary of Changes to Chapter 6.

Comment Summary	Summary of Proposed Change	Vote (Y/N/A)
Example VI – question validity	Need to review paper to provide a response. (J. Marchand will assist in getting copy of reference.)	To be balloted
Introduction to clarify that these are summaries and that the user should review papers	Additional text: “In addition, not all methods described are of equal appropriateness for all types of service-life questions. It is recommended that the original papers be consulted for full details and limitations of the methods summarized.”	11/0/0
Example III – need references	Z Lounis to supply	Editorial
Concern doesn’t acknowledge widely available and used commercial software.	Adding further text to introduction. Also add statement to start of Section 6.11	To be balloted
Eqn. 6.8 has linear relationship between depth and time. Eqn. 6.9 has linear relationship for chloride diffusion.	Check reference.	Editorial (if have incorrect eqns from reference)
Statement that “Field studies for epoxy-coated reinforcing show that the time to corrosion damage can be between 1 and 7 years.” without reference and questions validated	Delete statement	To be balloted



Committee Meeting Sign In Sheet*

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Committee: 365 - Service Life Modelling Date: 01/22/11

Name and Address (Please Print):

- * Members - Please give address, phone number, and e-mail only if changed
- * Visitors - Please give complete address, phone number, and e-mail

Comm. Member ?	Visitor? **
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Kyle Stanish, Walter Restoration Consultants	X	
Jack Sykes, Cortec Corporation		X
Tracy Marcotte	✓	
Nate Sauer 534 S Belnord Ave. Baltimore, MD 21224 817 829 0424 nsauer@simcotedechnologies.com		X
ERICH MARZKE TURNKEY CONSULTING GROUP emartz@turnkeyconsulting.com		✓
PAUL NOYCE ELECTRO TECH pnoyce@electrotech.com	✓	Assoc.
Mohamad Nagi A U D mnagi@aud.edu	✓	
Zoubir LOUNIS NAC Ottawa zoubir.lounis@nrc.ca	✓	
MATT MILTENBERGER VECTOR CORROSION SERVICES MATT@VECTORCORROSIONSERVICES.COM	✓	
TONY KOJUNDIC	✓	
PER FIDJASTOL	✓	

***Technical Committee Attendees:** The purpose of an ACI technical committee is to reach consensus and publish information on concrete-related issues within its mission. The discussions at the committee's meetings are part of this consensus process, and are not the official position of the committee. Only a published committee document represents the formal consensus of the committee and the Institute.

** Visitors interested in committee membership should contact the chair or visit the ACI website, www.concrete.org, for a membership application.



Committee Meeting Sign In Sheet*

Committee: **365- Service Life Modelling** Date: **07/27/11**

Name and Address (Please Print):
 * Members - Please give address, phone number, and e-mail only if changed
 * Visitors - Please give complete address, phone number, and e-mail

	Comm. Member ?	Visitor? **
Edou Barty Uof T. Canada.	✓	
OLIVER GEPRAECKS , LEVELTON	Assoc	
DAN VOJTKO DAN.VOJTKO@BASF.COM		✓
DAVID McDONALD	✓ Assoc.	
CAROLYN HANSSON	✓	
Joe Cleanderen		✓
MURRAY ASAIR		✓
RICHARD HUZAR RHUZAR@SALITSTEEL.COM		✓
JON COLIHARES jon.colihares@msf.com		✓
Larry Kaiser, w.R. Grace & Co., LAWRENCE.E.KAISER@GRACE.COM		✓
David Trego Oregon State U	Assoc	
BERZT ZEMASTIS ACI Staff		✓
BURKAN ISGÖR	✓	
YASAR ABUALROUS		✓
LARRY CHURCH	✓	

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