



THE TEST REPORT

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PRESIDENT'S CORNER –

By Jim Backman

Member involvement is the theme for 2002. CCTIA member involvement becomes even more important as the construction market changes and the education and certification of our employees is becoming more demanding.



CCTIA was created to assist all of our members in dealing with these issues. To get the most value from our organization, members must

become involved.

During our first 2002 meeting, in February, we discussed participating in the committees that keep the membership informed about what is happening in our local, state

and regulatory environments. In addition, we created a committee to offer scholarships to individuals wishing to join our industry, a committee to establish guidelines for laboratory work similar to the current Blue Book that address field work and a committee to establish guidelines for members who visit new applicants' facilities. Each of these committees will further the purpose of CCTIA.

I wish to extend my personal thanks to the members that have stepped up to lead and to participate in the following new and ongoing committees: Scholarship Committee; Kurt Siggard, David Chippero and Jeff Patton. Membership Standards Committee; Terry Eglund, Al McManus, and Miki Craig. Internal Auditing Checklist Committee;

Jeff Patton, Don Rose, Dave Chippero, Tom Williams, and Terry Eglund. ICBO Committee; Miki Craig. ASTM E-36 Committee; Terry Eglund. Membership Committee; Terry Eglund. Pins and Honors Committee; Terry Eglund. News Letter Committee; Issam Makdissy and Tom Williams and the DSA Committee; Kurt Siggard.

As evident, these members have stepped-up for the betterment of our organization and industry. If any member wishes to contribute to our organization and our industry, please come to our next meeting or call a committee member. We will be grateful for the help.

I look forward to seeing you at our next meeting

ICC/ICBO Certification Committees

by Michelle Craig, Dynamic Consultants, Inc.

The International Code Council (ICC) and International Conference of Building Officials (ICBO) are seeking applicants for the 2002/2003 Certification Committees. As more and more of this work is being transferred to ICC, diluting the participation of special inspection practitioners, CCTIA needs more volunteers representing our industry. Current committees addressing the Special Inspector Certification exams are as follows:

- ICBO Special Inspector
- Joint Reinforced Concrete/Prestressed Concrete Special Inspector
- Joint Structural Masonry Special Inspector
- Joint Structural Steel and Welding/SAF Special Inspector

Applications were included in the February 2002 Building Standards Today Special Newsletter, or may be obtained from ICBO by calling 562-699-0541. The due date is May 15, 2002. Appointments will be made at the 2002 Annual Business Meeting to be held in September.

2002 New Board Members

President: Jim Backman

Vice President: Al McManus

Secretary/Treasurer: Corey Dare

Board of Directors Member: Kurt Siggard

Board of Directors Member: Chip Moore

Board of Directors Member: Terry Eglund

Board of Directors Member: Tom Williams



From left to right: Kurt Siggard, Jim Backman, Al McManus, Corey Dare, Terry Eglund, Chip Moore, Tom Williams.



Bye, Bye ACI & Extra CEU's

By Michelle Craig, Dynamic Consultants, Inc.

The American Concrete Institute (ACI) has decided to withdraw its sponsorship with the International Code Council (ICC) of the Reinforced Concrete Special Inspector certification. It appears ACI felt the exam was not testing candidates at a high enough level (i.e., mix design calculations, chemistry, basic elements of structural design). Their logo should disappear from the certification cards in January 2003. ACI is not completely withdrawing from the process, however. They will continue to provide verification and evaluation of the experience criteria on behalf of ICC.

What does all this mean to the Special Inspector? Not too much. The process for full certification will remain much the same. The ACI Concrete Field Technician Grade 1 certification, experience, and successful completion of the ICC exam will all continue to be required. It appears only the ACI logo will be removed from the program.

Also of interest to CCTIA members and staff is the success of our objection to the additional 1.0 CEU required for certification renewal over the building inspector/plan checker programs. After many phone calls, letters, and e-mails, it has just been announced that the Special Inspector certifications have been brought into line with the other certs. The reduction to 1.5 CEU's is scheduled to be implemented either July 1, 2002 or January 1, 2003. Good going CCTIA members!

Please Contact Issam Makdissy at Terrasearch Inc. By Phone At (408) 362-4920 or Email at: issamm@terrasearchinc.com or fax at (408) 362-4926 With Any Articles Or Questions Regarding This Newsletter Or The Upcoming Newsletter.



Jim Backman accepting the gavel from Kurtis Siggard



Terry Egland receiving the Charles A. Hemsley Award from Kurtis Siggard

2002 Annual Business Meeting

By Corey T. Dare

The 2002 Annual Business Meeting was held on January 26, 2002 at Bally's in Las Vegas, Nevada. Attendance at the meeting included representatives of 14 CCTIA member laboratories. In addition to the regular business agenda, the meeting included a presentation by Ms. Korina Ortiz of TUV Rheinland of North America, Inc., Carlsbad, California, titled "Introduction to ISO 17025." TUV Rheinland is currently in the process of being recognized by the National Cooperation for Laboratory Accreditation (NACLA) to provide accreditation to testing laboratories for new ISO Standard 17025. Ms. Ortiz discussed the relationship of ISO 17025 to ISO 9001:2000, ISO 9001:1994 and ISO Guide 25, and discussed additional details of the requirements of ISO 17025, including record keeping, quality assurance, technical systems, training, calibration, equipment, sampling, and reporting.

The day concluded with an evening banquet at Bally's attended by the meeting attendees, as well as spouses and other CCTIA member representatives. The evening ended with the installation of the new officers for 2002, and awarding of the Charles A. Hemsley Award to Mr. Terry Egland of Testing Engineers, Inc.



Steve Lefczik and Corey Dare enjoy dinner with their wives



Korina Ortiz speaks at the workshop



New Technician Certification Requirements in 2002

By Clifford N. Craig, Certification Committee Chairman, No. California/W. Nevada Chapter, ACI

As most of us know, ASTM C1077 is the Standard Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation. This standard is used by CCRL when performing laboratory inspections. Recently, CCRL announced they will require the technician certifications established in Section 6 of the latest ASTM C1077-00 beginning January 1, 2002.

Following is a summary of the ACI certifications that satisfy C1077 for each level of technician. Certification by other equivalent programs (i.e., NICET) is acceptable, provided they meet the criteria specified by C1077. This article only addresses ACI Certifications.

<u>Level of Technician</u>	<u>Required Current ACI Certification</u>
Supervising Laboratory Technician	Concrete Laboratory Testing Technician - Grade 1 <u>and</u> Concrete Field Testing Technician - Grade 1
Supervising Field Technician	Concrete Field Testing Technician - Grade 1
Concrete Laboratory Technician	Concrete Laboratory Testing Technician - Grade 1 <u>or</u> Concrete Strength Testing Technician
Aggregate Laboratory Technician	Concrete Laboratory Testing Technician - Grade 1
Concrete Field Technician	Concrete Field Testing Technician - Grade 1

ACI Concrete Field Testing Technician - Grade 1 certification demonstrates qualification in:

- C 1064 Temperature of Concrete
- C 172 Sampling of Concrete
- C143 Slump of Concrete
- C138 Unit Weight & Yield of Concrete
- C231 Air Content of Concrete by Pressure Method
- C173 Air Content of Concrete by Volumetric Method
- C31 Making and Curing of Concrete Test Specimens in the Field

ACI Concrete Strength Testing Technician certification demonstrates qualification in:

- C617 Capping Cylindrical Concrete Specimens
- C1231 Unbonded Caps for Concrete Cylinders
- C39 Compressive Strength of Concrete Cylinders
- C78 Flexural Strength of Concrete

ACI Concrete Laboratory Technician - Grade 1 certification demonstrates qualification in:

- C617 Capping Cylindrical Concrete Specimens
- C1231 Unbonded Caps for Concrete Cylinders
- C39 Compressive Strength of Concrete Cylinders
- C75 Sampling Aggregates
- C702 Reducing Field Samples of Aggregates to Testing Size
- C117 Materials Finer than No. 200 Sieve by Washing
- C136 Sieve Analysis of Fine and Coarse Aggregate
- C29 Unit Weight and Voids in Aggregate
- C127 Specific Gravity and Absorption of Coarse Aggregate
- C128 Specific Gravity and Absorption of Fine Aggregate
- C566 Total Moisture Content of Aggregate by Drying
- C40 Organic Impurities in Fine Aggregates for Concrete

Strength Testing Technician is available only at specified locations by arrangement and does not include training at this time. (2002 Fee of \$275)

Laboratory Technician - Grade 1 is not presently available without special arrangements. The ACI Chapter Certification Committee is developing means to produce this program periodically starting next year. It requires a great deal of equipment, personnel, and other logistical support which complicates the process. It is likely to include only the examination and not any training. (2002 Fee estimates of \$375 to \$550)

Anyone interested in more information about ACI Chapter certification may contact Ted Allured at 800 753-7711. Next year's certification schedule will be published soon in the ACI Chapter newsletter and on the website (www.aci-ncawnv.org).

CCTIA 2002 Meeting Schedule

The following is our meeting schedule for the next six months. Please mark your calendars.

	April 25th Concord*
	May 23rd Concord*
	June 27th San Diego

*Sheraton Concord Hotel
45 John Glenn Drive
Concord, California (925) 825-7700

Certification programs for Field Tech – Grade 1 are available from the ACI Chapter Certification Committee every month at different locations throughout Northern California and includes a training day prior to the examination. (2002 Fee of \$255)



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Current Members

Applied Materials & Engineering, INC.
BSK & Associates
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Capitol Engineering Laboratories
Carlton Engineering, INC.
Consolidated Engineering Laboratories
Construction Materials Testing, INC.
Construction Testing and Engineering, INC.
Construction Testing Services
D&M Consulting Engineers, INC.
Dynamic Consultants, INC.

Earth Systems Consultants No. CA
Engeo, INC.
Fugro West, INC.
Geocon Geotechnical & Environmental
Holdrege & Kull
Inspection Consultants, INC.
Kleinfelder, INC.
Krazan & Associates, INC.
Law Crandall
Matriscope, INC.
Professional Service Industries, INC.

RES Engineers, INC.
Raney Geotechnical
Signet Testing Laboratories
Southern CA Soil & Testing, INC.
Terraresearch, INC.
Testing Engineers, INC.
Testing Engineers-San Diego, INC.
Twining Laboratories of Southern CA
Youngdahl & Associates, INC.

ACI/ICC Jt. RCSI CERTIFICATION PROGRAM STATUS

By Merlyn Isaak

Background

In 1998, the American Concrete Institute (ACI) and representatives of the 3 model code organizations representing the International Code Council (ICC) (which was not yet a separate autonomous entity) signed an agreement to jointly offer and administer a "Reinforced Concrete Special Inspector (RCSI) Certification" program. Thus, there would be a single uniform program nationwide with concomitant advantages to all involved, including the inspectors, their employers, building officials, and building owners. At that time, the 4 organizations each had their own versions of certification programs for concrete inspectors.

Representatives of ACI that employ concrete inspectors anticipated overlapping and jurisdictional complications, i.e. each of their inspectors having to be certified and carry multiple certifications. Thus, negotiations ensued, the end result of which was that ACI agreed to suspend its concrete inspector certification (in the U.S.), SBCCI and BOCA agreed to follow and use the ICBO model program (with a few caveats), ACI would administer the inspector experience prerequisites, and the ACI Field Technician, Grade I certification would be a prerequisite for the joint RCSI program.

Current Status

Over 3 years have passed since the agreement was signed. ACI statistics show that the few persons that have gone through the program are mostly in ICBO jurisdictions, with almost none in the other 2 model code group areas. Thus, ACI was concerned that concrete

inspectors wanting to upgrade and/or become certified were not only not encouraged, but really had very little opportunity, nor incentive. This, along with some differences of opinion on related peripheral issues, such as lack of ACI representation on ICC's exam policy committee, criteria for certification renewals, continuing education requirements, exam content, etc., finally led ACI Committee C630, that administers ACI's concrete inspector certification programs, to withdraw support for the joint program and recommend against further renewal of the agreement. ACI Administration has formally notified ICC that ACI's participation will end with the 2002 calendar year.

I fully expect that starting in 2003, ACI will reinstitute its inspector certification program. So, when that time comes, testing and inspection firms will have to be alert for the potential that different jurisdictions may have different requirements. Special inspector qualifications are, by code, at the building official's discretion. Some building officials may prefer ACI over ICC, or vice-versa, or may want both! (and we haven't even mentioned State of California requirements for schools and hospitals, nor Cal-Trans, nor Corps of Engineers, FAA, the military, etc.!)

In the meantime, NFPA is busy trying to get a national code on the street. Who knows what that code will have in store for T & I firms?! And the beat goes on, and on---

Note: The above views and comments are strictly those of the writer and do not necessarily reflect those of the organizations mentioned, nor CCTIA. (MI).

More Goodies on the CCTIA Website

By Michelle Craig, Dynamic Consultants, Inc.

If you haven't visited the CCTIA website recently (<http://www.cctia.org>), you are probably missing some useful tools. New additions in the last few weeks include:

- 1) Membership Roster – complete with company name, contact info, address, phone, fax, and e-mail address
- 2) Related Links – a complete listing (including links) of websites for over 40 organizations and governmental agencies involved in the industry for quick navigation
- 3) CCTIA newsletter – download and print extra copies of the newsletter (in PDF format)
- 4) Guidelines for Special Inspection in Construction – download and print extra copies or just parts of the "Blue Book" directly from your computer (in PDF format)

If you haven't checked it out lately – go back and do some browsing!

Editor Pleads

By Issam Makdissy

Here I go again pleading for your articles your thoughts and photos. Your help is essential to the survival of this publication. The test report is now reaching more people in the industry than ever before. With your help we can make this newsletter a greater success. We will all benefit from the publication of the Test Report by enhancing our public image and through increased understanding among the diverse businesses that make up the construction industry. So please send your articles via fax, mail or email to CCTIA C/O:

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