

**MINUTES OF MEETING
CRANE SAFETY ON CONSTRUCTION SITES
MAY 21, 22, 23, 2004**

Location: ASCE HEADQUARTERS
1801 Alexander Bell Drive
Reston, VA 20192

In Attendance: Harlan W. Fair, Chairman
Joseph Kaplan
Jack Chiaverini
Philip Alterman

Friday, May 21, 2004 was a general meeting following by primarily editing sessions on May 22 and 23.

1. Reviewed OSHA Power Point presentation produced by Rick Rinehart of OSHA before the C-DAC meeting in December, 2003. Harlan Fair to contact Rick Rinehart to determine some of the specific values and as to whether he has obtained additional crane injury and death statistics since December. We should also determine if we can reproduce any of the slides for use in our publication.
2. Graham Brent, Executive Director National Commission for the Certification of Crane Operators (NCCCO). He provided us with an NCCCO program status for the first quarter, 2004. Copies are attached to these minutes. The number of operators now tested by written examination is 25,119 and practical exam 12,168. 3,171 operators have been re-certified. Twelve states have adopted or are adopting the CCO program. Graham Brent further updated us on the status of the OSHA C-DAC program. The next meeting will be in June and the last meeting of the committee will be in July. A proposed rule making will possibly be issued by the end of the year. This CCO official recognition by OSHA has been reaffirmed. Of noted interest is Article 1430 Power Line Safety which contains considerable detail. Also specifically noted were the safety devices under Article 1414.

We hope to be able to review the final proposed rule making before concluding the writing of our publication.

3. Meeting with Suzanne Coladonato, ASCE Book Production Manager. Suzanne works for Charlotte McNaughton who is previously known by the committee when we developed the first edition of our publication. She reinforced the ASCE

policy that they have the right of first refusal. This means that ASCE or possibly a joint venture between ASCE and another organization is the only avenue to proceed with. She recommended the manual practice is what our first edition was. The following two options are possible with ASCE:

- Manual Practice. This would require a peer review procedure. Current manuals often have two colors which were precluded on our first edition. We would provide ASCE with the hard copy as well as an electronic file of our draft publication. ASCE editing would review for spelling, punctuation, continuity, etc.
- Committee Report. This requires the draft to be submitted in camera ready format. Colors are generally not used and there would be no peer review issue. Four colors are possible, full color slightly more expensive on cover, possible on selected inside charts and graphs and photos. Hard cover more costly. Suzanne will explore.
- ASCE Pubs currently does not utilize off-shore printing facilities, direct digital reproduction nor print-on demand and distribute providers. ASCE still uses camera/type set process, with present number of copies printed and warehoused. Fulfillment cost (process order, pack and ship) is \$15.00/copy.

She strongly recommended that we should decide immediately who will publish and if it will be a manual or a committee report. This will provide the direction for the balance of our work. As a practical matter, we must make this decision within thirty (30) days. We currently are following up leads to AGC and NC&RA.

Marketing - ASCE Marketing is under the direction of Will Farnan. Suzanne Coladonato strongly recommended we have an early meeting with Will Farnan. We told her about our frustration with not having the book for sale at construction oriented conventions, such as ConExpo. In fact, our book was not on display at the recent ASCE conventions. Nevertheless, over 900 copies of our original publication have been sold.

4. ASCE Policy Statement 424 - Hilary Koehl initially stated that the Construction Institute (C.I.) Board will review the proposed revised Policy 424 this summer. However, we requested the C.I. Board to take a telephone vote on the proposed revisions in June and forward their approval to the Policy Review Committee of the ASCE Board by June 30 for action by the full ASCE Board at their fall meeting.

5. Cooperative Agreement, Construction Institute with NCCCO - Committee drafted the cooperative agreement between the Construction Institute of ASCE and NCCCO. We utilized the format of the agreement of AGC with NCCCO. When finally approved, this will be distributed to the committee.
6. Phil Alterman's list of twelve (12) items was addressed. Item #12, "Historical Data on Crane Manufacturers" will become an Appendix to the crane book. This will be a reference historical listing of all Crane Manufacturers and their current status, showing mergers, acquisitions or demise (P&H, American Crane, etc.).
7. New Chapter "Crane-like Devices, Concrete Pumps, Aerial Work Platforms and Miscellaneous Heavy Equipment. This is a new chapter by Charles Scarrott. There are many devices which could be included here and it would not be practical to include everything that might fall in this scope; however, the Committee did discuss some items which Chuck should consider. Chapter should have a definition category which would list equipment, backhoes, side boom tractors, boom trucks, concrete pumps with articulated booms, aerial work platforms, in these various categories, mobile mounted aerial work platforms and bridge inspection platforms. The Committee would like to see samples of accidents such as over tipping of some of this equipment. Harlan Fair will e-mail to Chuck the proposed B30.27 draft material placement systems (concrete pumping equipment). It is also requested that Dennis Eckstine advise as to a proper list of equipment for this chapter and the use of the other B30 committee standards. Phil Alterman has forwarded to me the ANSI/SIA A92.2 standard for Vehicle Mounted Elevating and Rotating Aerial Devices. The Committee is particularly interested in responsibility of the manufacturer and other players, similar to the crane chapters.
8. Crane Book Status - Attached herewith is a status report with basic dates when last revised and comments as to action items. Specifically involved in our review has been the following:
 - Addition of Appendix 8, Wind and Weather Effects on Crane Operations - Phil Alterman
 - Addition of Appendix 9, Crane Manufacturers Historical Data - Phil Alterman
 - Other revisions, some very minor and some more significant have involved Chapters 2, 3, 8, 10, 11 and 12.
9. Schedule - We want to be sure and include the latest C-DAC information from OSHA along with the updated B30.5 which we believe will be in June, prior to concluding on our revised book. Our schedule would be to have all of our draft

and re-draft work completed by June 30th. The tentative schedule for further editing is July 24 - 25.

Harlan W. Fair

/dtn

Enclosure – NCCCO Program Status
Book Revision Status – May 23, 2004

NCCCO PROGRAM STATUS

First Quarter 2004

NCCCO "BY THE NUMBERS"

NO. OF OPERATORS TESTED:

WRITTEN EXAM: 25,119; PRACTICAL EXAM: 12,168

NO. OF CERTIFICANTS WHO HAVE RECERTIFIED:

3,171

NO. OF WRITTEN TEST ADMINISTRATIONS CONDUCTED:

1,369

NO. OF STATES IN WHICH TESTING HAS BEEN CONDUCTED:

48

ACCREDITATIONS AWARDED:

NATIONAL COMMISSION FOR CERTIFYING AGENCIES
NATIONAL SKILL STANDARDS BOARD

OFFICIAL RECOGNITION:

OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION

OFFICIAL APPROVAL:

DEPARTMENT OF EDUCATION
DEPARTMENT OF DEFENSE
DEPARTMENT OF VETERANS AFFAIRS

STATES ADOPTING CCO PROGRAM:

WEST VIRGINIA (1999)
HAWAII (2003)
NEW JERSEY (2004)
CALIFORNIA (2005)
MONTANA (IN PROCESS)
NEW MEXICO (IN PROCESS)
MICHIGAN (PROPOSED)
PENNSYLVANIA (PROPOSED)
ALASKA (PROPOSED)
COLORADO (PROPOSED)
UTAH (PROPOSED)
MINNESOTA (PROPOSED)

NATIONAL INDUSTRY PARTNERSHIPS:

AMERICAN SUBCONTRACTORS ASSOCIATION
ASSOCIATED GENERAL CONTRACTORS OF AMERICA
INTERNATIONAL UNION OF OPERATING ENGINEERS
NEA: ASSOCIATION OF UNION CONTRACTORS
SPECIALIZED CARRIERS & RIGGING ASSOCIATION
STEEL ERECTORS ASSOCIATION OF AMERICA

BOOK REVISION STATUS - 5/23/04

<u>CHAPTER</u>	<u>TITLE</u>	<u>AUTHOR</u>	<u>REVISED</u>	<u>COMMENTS</u>
Chapter 1	An Introduction	H. Fair	11/21/02	H. Fair integrate statistics
Chapter 2	Safety Plans	J. Kaplan/M. Burkart	05/21/04	
Chapter 3	Responsibilities	J. Kaplan	05/22/04	
Chapter 4	Supervision and Management	J. Kaplan/M. Burkart	Original	M. Burkart review owner, A&E
Chapter 5	Operations	J. Kaplan/M. Burkart	Original	Expand inspection, load Test load motion, P. Alterman
Chapter 6	Training and Certification	B. Nash	01/30/04	
Chapter 7	Design, Manufacture & Documentation	P. Alterman	01/30/04	
Chapter 8	Crane Safety Devices	P. Alterman	05/21/04	P. Alterman update
Chapter 9	Regulations, Standards & Codes	M. Burkart	Original	M. Burkart review
Chapter 10	Legal Aspects of Crane Safety	R. Rubin	05/23/04	
	Analysis of Selected Cases Appendix A		05/23/04	
	Legal Case Matrix Appendix B		05/23/04	
Chapter 11	Crane Accident Investigation	P. Alterman	05/23/04	
Chapter 12	Concrete Pumps, Aerial Baskets...	C. Scarrot	05/22/04	C. Scarrott revise
Appendix 1	Resource Listing	P. Alterman/B. Nash		B. Nash rework underway
Appendix 2	Abbreviation Definitions		01/30/04	
Appendix 3	Electric Current Effects, Shock & Electrocution		Original	Add to title
Appendix 4	Manufactures of Crane Safety Devices	P. Alterman	01/11/02	P. Alterman rework
Appendix 5	Demonstration Load Rating Chart		Original	P. Alterman rework
Appendix 6	Case Studies of Crane Accidents		Original	P. Alterman add tag line
Appendix 7	Liebherr's "Liccon" System	P. Alterman	Original	J. Chiaverini to update
Appendix 8	Wind & Weather Effects on Crane Operations	P. Alterman	New	P. Alterman
Appendix 9	Crane Manufacturers Historical Data	P. Alterman	New	P. Alterman
Index			Original	Update by publisher?