

Engineering Standards Update **Topics this month: March 2004**

DOCUMENTS FOR REVIEW (Programmatic & Facility)

WELDING PROGRAM (Programmatic & Facility)

STANDARDS CHANGES

STRUCTURAL SEMINAR

CLASSES THIS SUMMER (Programmatic & Facility)

The Standards homepage: <http://www.lanl.gov/f6stds/pubf6stds/xternhome.html>

DOCUMENTS FOR REVIEW (Programmatic & Facility)

The following documents have been posted to the homepage for review (ESM area). Comments to the POCs are due by April 15.

Chapter 1 General, Section Z10--General Requirements for All Disciplines/Chapters (mild revision; POC: Oruch)

Chapter 6, Mechanical (mild revision all sections; POC: Charles DuPre)

WELDING PROGRAM (Programmatic & Facility)

Development of the new Welding Chapter 13 of the ESM is nearing completion, and drafts of the standards portions will be posted to the Standards Homepage for sitewide review within days. Those on distribution for this monthly Update will be notified when that occurs. Contact POC Kelly Bingham with questions (kellyb@lanl.gov, 7-6167). This new chapter will be useful to those affected by a PS-1 Notice on control of welding to be issued very soon.

STANDARDS CHANGES

Construction Specifications

02512, r5 Site Water Distribution **Minor Rev**

02585, r0 Underground Ductbank Systems (Replaces 16115) **New/Revised**

13725, r0 Administrative Access Control Systems Rough-in **NEW!!**

15140, r4 Potable & [Non-Potable] Water Piping **Minor Rev**

16269, r0 Adjustable Frequency AC Controllers **NEW!!!**

Major changes are described by the Specifications Revision History webpage.

STRUCTURAL SEMINAR

A free seminar on the changes in structural design requirements between IBC-2003 (which LANL now uses) and UBC-97 (which we once used) will be held Monday, April 26, from 8 am - 4pm at the Canyon School Complex. Highly acclaimed speaker and author on seismic-related issues and concrete design Dr. S. K. Ghosh will present. Lunch and certificates for 7.5 contact hours for continuing education will be included.

This seminar is sponsored by the Engineering Standards Program and the FWO-DECS Civil/Structural/Architectural Team. Approximately 35 additional people can attend with first priority given to other LANL structural designers, Structural Standards Committee members, and then other local AE structural designers. The Canyon Complex is in downtown Los Alamos, catty-corner from the Best Western Hilltop House on the corner of 4th St. and Central Ave. Contact sluscher@lanl.gov by 4/21 to reserve space.

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More background:

The 2003 IBC differs significantly from the 1997 UBC in that referenced standards have been updated to reflect the most current standards, and there is a new reliance on the 2002 edition of ASCE 7 Standard Minimum Design Load for Buildings and Other Structures for prescribing structural loading requirements. This seminar will provide guidance on how to use the ASCE 7-02 standard in conjunction with the 2003 IBC as well as address the changes in the updated referenced material standards (e.g. ACI 318-02, 2002 edition of MSJC code, AISC 341-02, and AD&PA NDS-01).

CLASSES THIS SUMMER

Intro to LANL Engineering Standards Course 24140: June 9, 8-12 noon.

http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=24140 or contact PS-13 at 7-0059 between 8 a.m. and noon.

LANL Drafting Manual: Engineering Symbols, Prints, and Drawings Course 25103: June 9, 1-5 pm.

http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=25103

LANL Electrical Engineering Standards Course 17998: July 7, 8-4 pm <http://int.lanl.gov/training/>

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