This is the monthly newsletter of the LANL Engineering Standards Program. The Standards are mandatory documents that define the minimum design criteria, fabrication, and installation practices for the design, repair, and alteration of LANL facilities and the programmatic equipment within them. [IMP 342]

Topics this month:

- Standards Courses in September
- Are You on a National Standard Committee?
- Industrial Truck Standards Available
- Documents For Labwide Review
- LANL Standards Issued in August
- DOE Standard Actions
- Last Month's Update Topics

The Standards Homepage: http://engstandards.lanl.gov/

STANDARDS COURSES IN SEPTEMBER

Join the hundreds of LANL and contractor personnel who understand standards, specs, and drafting. Open to LANS, KSL, and AEs at no charge.

**Intro to the Structural Requirements** Course 31876, ESM taught Thurs, Sept 7 from 8-12.
This is recommended for project managers, structural engineers and other engineers and designers dealing with anchorage and bracing, safety analysts, and others who may be interested. It is a prerequisite for the advanced structural design course 31875 now being taught later this year.

**Introduction to LANL Engineering Standards** Course 24140, taught Wed, Sept 20 from 8am - noon by Tobin Oruch
Provides familiarity with national and LANL engineering standards for anyone performing, reviewing, or managing design activities.
http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=24140

**LANL Drafting Standards Manual for Engineers and Managers** Course 38726, taught Wed, Sept 20 from 1-3 pm by Richard Trout
Addresses the Manual in a summary fashion that highlights the manual's elements directed and focused to design engineers, system engineer, project leaders, and management. These elements include manual organization, National CAD Standards, Uniform Drafting Standards, conduct of engineering, necessity for standards, configuration management, vital safety system documentation, priority drawing requirements, and document submittal requirements.
http://eshtraining.lanl.gov/pls/gencouraxs/Cour_By_Number?CourseNumber=38726

Enroll through CT-ESH using links above, call 7-0059, or e-mail esh-registration@lanl.gov
ARE YOU ON A NATIONAL STANDARD COMMITTEE?
If you're a LANL employee and are actively serving on a committee supporting a national standard, then DOE Wants You...to let them know! Examples would be committee work for ANS, ASCE, ASME, ASTM, NFPA, etc. A number of LANL people do such committee work and deserve recognition. LANL must report to this work to DOE who then reports it to the OMB annually by public law. DOE has also documented the work in the "Directory of DOE and Contractor Personnel Involved in Non-Government Standards Activities, July 12, 2006, DOE-TSL -4-2006." LANL needs to be recognized to the same extent as other sites, so please complete and fax me the form to complete this little reporting task. Right now it list the following active employees (we know there are others): Ted Miller, Donivan Porterfield, James Sprinkle, and Ray Tell.

INDUSTRIAL TRUCK STANDARDS AVAILABLE
Need a standard on ATVs, forklifts, or similar? You might, since OSHA (29 CFR 1910) Pt. 178 requires that they meet ANSI B56.1 when purchased. A weblink to the Industrial Truck Standards Development Foundation's ANSI/ITSDF B56 standards series has been added by the Research Library on its Standards webpage. Once on ITSDF one can register and download any of the following:
B56.1 - 2005, Safety Standard for Low and High Lift Trucks
B56.5-2005, Safety Standard for Guided Industrial Vehicles and Automated Functions of Manned Industrial Vehicles
B56.6 - 2005, Safety Standard for Rough Terrain Forklift Trucks
B56.8 - 2006, Safety Standard for Personnel and Burden Carriers
B56.9 - 2005, Safety Standard for Operator Controlled Industrial Tow Tractors
B56.10 - 2005, Safety Standard for Manually Propelled High Lift Industrial Trucks
B56.11.1 - 2005, Double Race or Bi-Level Swivel and Rigid Industrial Casters
B56.11.4 - 2005, Hook-Type Forks and Fork Carriers for Powered Industrial Forklift Trucks
B56.11.5 - 2005, Measurements of Sound Emitted by Low Lift, High Lift and Rough Terrain Powered Industrial Vehicles
B56.11.6 - 2005, Evaluation of Visibility from Powered Industrial Trucks
B56.11.7 - 2005, Liquid Propane Gas (LPG) Fuel Cylinders (Horizontal or Vertical) Mounting - Liquid Withdrawal - For Powered Industrial Trucks
DOCUMENTS FOR LABWIDE REVIEW

There are a number of Engineering Standards Manual section drafts now available for review and comment by Sept 15 by the recipients of this Update. POCs for comment resolution and comment form information is on the Drafts in Review webpage. Summaries of change are in each document.

Chapter 1 -- General
Z10, Rev.4 - General Requirements for All Disciplines/Chapters

Chapter 4 -- Architectural
Site & Architectural Design Principles
Part 1 of 3 - Site Development Standards
Part 2 of 3 - Circulation
Part 3 of 3 - Site Furnishings

Chapter 7 -- Electrical
Section D5090 R2 - Other Electrical Systems
Section D5030 R3 - Communications
Section G4010 R1 - Site Electrical Distribution
Section G4020 R2 - Site Lighting

Chapter 13 -- Welding and Joining
Volume 1
GWS 1-11 Rev.1 Introduction & Scope
GWS 1-12 Rev.1 Administrative Control of Welding & Brazing

Volume 3
WPS 3-01 Rev.2 Application of Welding Procedure Specification

Chapter 16 – IBC Building Safety Program
Section IBC-GEN - IBC Building Safety General Requirements, Rev. 0
Section TIA - IBC Test and Inspection Agency Approval Process Rev 0
Section SIP - Special Inspection Process Rev 0
Section FAB - Steel Fabricator Evaluation and Approval Process Rev.0
LANL STANDARDS ISSUED IN AUGUST

LANL Engineering Standards Manual ISD 342-1

Chapter 13 -Welding, Volume 3, Welding Procedure Specs 3-01 App A WPS Index

LANL Master Specifications Manual ISD 342-2

LANL Standard Drawings and Details ISD 342-3

Civil

DOE STANDARD ACTIONS http://www.eh.doe.gov/techstds/standard/index.html

Changes this month:

Above URL will take you to the "DOE Technical Standards Full-Text Documents." Clicking on "Approved Standards" or "Recently Approved" on the left margin takes you to the Standards.
LAST MONTH'S UPDATE TOPICS
With all of the organizational changes and listmanager impacts, it's still likely that some did not get last month's e-mailed Update. Likewise, if you're getting two copies, I may be able to fix the problem. Back issues are posted on the Standards Homepage. FYI, the main August Update topics were:

- WSS Whatzup Follow-up
- Concrete Help is Here -- ACI added to IHS Subscription
- LANL Standards Issued in August
- DOE Standard Actions

To request a change to this newsletter's distribution contact Tobin Oruch, oruch@lanl.gov. Previous issues of this Update are available; click "Monthly Update" below the Google search on the Standards homepage http://engstandards.lanl.gov/

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