

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 alteration, repair, and construction of LANL facilities and the programmatic and process equipment within them. [\[P341\]](#)

Topics this month:

- **Pressure System Design and Electrical Training Opportunities**
- **New EngStandards Website Launches**
- **CoE Policy Documents Renumbered**
- **IHS Online National Standards Subscription Changing**
- **LANL Standards Issued in December**
- **DOE Technical Standards Actions**

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

PRESSURE SYSTEM DESIGN AND ELECTRICAL TRAINING OPPORTUNITIES

PRESSURE SYSTEM DESIGN

Engineers and others performing process piping design or relief valve sizing calcs should attend applicable sessions shown below. These are free and also open to local AEs on a space-available basis.

Pressure Protection Design 48178, Jan 13 or 14, Canyon Complex 167, 8am-5pm

The purpose of this course is to introduce the complexity of pressure protection design to new and inexperienced engineers. Upon completion of this course engineers should be able to satisfactorily perform basic pressure designs. This course is appropriate for engineering personnel new to pressure protection or those requiring review.

ATTENDEES MUST BRING CALCULATORS TO CLASS FOR EXAMPLE PROBLEM

<http://www.hr.lanl.gov/TIOCourses/TIOAha.asp?CourseNumber=48178>

ASME B31.3 Code Application 24799, Jan 13 or 14, Canyon Complex 164, 8am-5pm

Reviews ASME B31.3 Process Piping, emphasizing how the code applies to existing piping systems. Last taught at LANL in 2002.

<http://www.hr.lanl.gov/TIOCourses/TIOAha.asp?CourseNumber=24799>

For offsite registration for the above contact Susan Chastain, schastain@lanl.gov, 665-8646

ELECTRICAL STANDARDS 17998 – FEB 11

Point-of-Contact David Powell will teach "[LANL Electrical Engineering Standards](#)" from 8 am - 4pm at the White Rock Training Center. The course covers the electrical engineering standards in Chapter 7 of the LANL Engineering Standards Manual and discusses mandatory requirements and good practices for those involved in electrical design. Strongly suggested for electrical designers, electrical engineers, electrical safety officers, and facility managers. Reserve online using link above or call 667-0059 or e-mail Central Training at esh-registration@lanl.gov

NEW ENGSTANDARDS WEBSITE LAUNCHES

The LANL Engineering Standards website makeover discussed the past couple of months was implemented Jan 5. The URL remains <http://engstandards.lanl.gov/>, but if old URLs with this string plus suffixes like New_Home.html and index.html don't redirect then they will need to be updated. The Master Spec archives will be reworked and loaded in a few days.

Thanks to CoE's IRM-DCS specialist Christina Salazar for a lot of hard work making this happen, and please send [her](#) any bug reports.

COE POLICY DOCUMENTS RENUMBERED

The Policy Office has renumbered the remaining Conduct of Engineering IP, IMPs, and ISDs to the new P- and PD-series documents with a coversheet/page change method. The new-in-number-only documents are listed below, and CENG-OFF webpages will be updated in the near future.

[PD 340](#) Engineering

[P 341](#) Conduct of Engineering

[PD 341](#) Engineering Processes Manual

[P 341-2](#) Engineering Standards Manual Introduction

[P 341-3](#) Engineering Training & Qualification Manual

[P 342](#) Design Authority

IHS ONLINE NATIONAL STANDARDS SUBSCRIPTION CHANGING

The Research Library analyzed use of the IHS online national standards subscription in light of substantial budget cuts. Given that some society standards were viewed thousands of times in FY08 and others less than a hundred -- and looking at costs for the lesser-used ones -- the decision was made to drop some subscription options and add back others.

The net effect will be some loss of access for some people and improved access for other users.

Being added for 2009 are API Select, EIA, MSS, NETA, and an SAE custom collection (small set of those documents that received significant use in the last two years). Also being added is the Drawing Requirements Manual, 11th edition, which is being evaluated for use in programmatic work in lieu of the 10th ed.

Being dropped is the "DoD-Adopted Industry Standards" set. This was a hodge-podge of standards from a number of societies. Where LANL either already subscribed to that society or is adding that for 2009, no loss of access will result. It effectively means losing a smattering of standards from the following: AA, AASHTO, AATCC, ABMA, AIA/NAS, AMT, ASSE, AWWA, BATTELLE, BHMA, ECA, EIA, GEIA, LIA, NACE, NATO, NSF, and TIA.

This change is expected to occur sometime in January. In the interim, if you would like to download copies of documents we are losing, please do.

In summary, the new subscription will include standards from the following societies: ACI, ANS, ANSI historical, ANSI Nuclear, API (selected), ASCE, ASHRAE, ASME and the Boiler & Pressure Vessel Code, ASQ, ASTM, AWS, EIA, ICC (I-Codes), ISA, ISO Quality, MSS, NECA/NEIS, NEMA, NETA, NFPA, SAE (custom), SMACNA, and UL.

LANL STANDARDS ISSUED IN DECEMBER

MASTER SPECIFICATIONS MANUAL http://engstandards.lanl.gov/New_Home.html#spec
03 1550 Rev. 1 Post-Installed Concrete Anchors -- Installation and Testing. Added non-structural anchor inspection requirements. Thanks to Paul Hudson, Glen Pappas.

DOE TECHNICAL STANDARDS ACTIONS

<http://www.hss.energy.gov/NuclearSafety/techstds/standard/recappts.html>

New or Revised DOE Tech Stds this past month:

DOE HDBK-1130-2008; Radiological Worker Training

<http://www.hss.energy.gov/NuclearSafety/techstds/standard/hdbk1130/index.html>

LAST MONTH'S UPDATE TOPICS

Miss an issue? The archive is at "[Monthly Update](#)" on the Standards [homepage](#). Last month's Update topics were:

- **KSL In-sourcing**
- **Standards Web Makeover**
- **How Standards Apply to Maintenance**
- **Happy Turkey Standards Day**
- **LANL Standards Issued in November**

To request a change to this newsletter's distribution, please contact me.

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