

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. [[IMP 341](#)]

Topics this month:

- **Are you on a National Standard Committee?**
- **Engineering Ethics Location Set**
- **Conduct of Engineering Procedure News**
- **LANL Standards Issued in September**
- **DOE Technical Standards Actions**

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

ARE YOU ON A NATIONAL STANDARD COMMITTEE?

If you're a LANL employee and serve on a committee maintaining or writing a national standard, then the Conduct of Engineering Office needs to know. Examples are committee work for ACI, ANS, ASCE, ASHRAE, ASME, ASTM, NFPA, etc. A number of LANL people do such committee work and deserve recognition. More than that, LANL must report to this work to DOE-HQ; it's then sent to the OMB annually per Public Law. DOE has also documents such work in "DOE-TSL-4, Directory of DOE and Contractor Personnel Involved in Non-Government Standards Activities."

To fulfill this reporting requirement, please print this [form's](#) page 1, complete, and send to Tobin Oruch, Engineering Standards Manager, ph 5-8475, fax 7-5405, M/S P948 by Tues, October 14 if you are not already listed below:

Mark C. Anderson, William T. Atkin, James S. Baker, Sherri A. Bingert, David W. Bowman, David S. Bracken, Lowell T. Christensen, Robert F. Daley, David A. Fry, Marjorie A. Gavett, Heidi A. Hahn, Thomas W. Houston, Benito L. Jacquez, Alan L. Justus, Sheila A. Lott, Michael W. Mallett, Alexander A. Martinez, Thomas D. McLean, Murray E. Moore, Russell D. Mosteller, Connon R. Odom, Glen J. Pappas, Donivan R. Porterfield, Craig E. Rasmussen, Michael W. Salmon, Thomas E. Sampson, James K. Sprinkle, James R. Streit, Raymond N. Tell, Thomas E. Tierney, Kush T. Tyagi, Laurie S. Waters, Tom L. Waters, and Jeffrey J. Whicker.

ENGINEERING ETHICS LOCATION SET

The NMSPE ethics course "Cases, Cases, Cases" will be Thurs, Oct 16 from 1-3 pm at the J. Robert Oppenheimer Study Center (aka Library, TA-3-207), Cochiti Room. The course is \$50-75; register here: <http://www.nmspe.org>. LANL Group management has the option of reimbursing employees using Small Purchase Reimbursement Form 1633. Unbadged enrollees should contact me one week prior to event (665-8475, oruch@lanl.gov). The course is approved for 2 Ethics PDHs, and such credits are a requirement for NM PE registration. It will be taught again in Santa Fe on Nov 7. They also have online courses, about \$30-45 per credit hour.

CONDUCT OF ENGINEERING PROCEDURE NEWS

The following Administrative Procedure has been revised and approved.

[AP-341-605 Calculations](#), R1 (09/24/08)

Please use AP-341-401, Conduct of Engineering Program Administrative Procedures Management, to implement CoE procedures. These and other APs are listed on the Conduct of Engineering Office [Engineering Processes](#) page. Please contact Gurinder Grewal at ggrewal@lanl.gov or 667-3667 with questions.

LANL STANDARDS ISSUED IN SEPTEMBER

LANL MASTER SPECIFICATIONS MANUAL http://engstandards.lanl.gov/New_Home.html#spec
04 2220 Rev. 0, Reinforced Unit Masonry -- New: Replaces 04 2000 with a comprehensive revision and update based on IBC 2006 and commercial masters
05 1000 Rev. 2, Structural Metal Framing ---Comprehensive revision and update based on IBC 2006, AISC 341, UFGS master, and other documents
31 2000 Rev. 3, Earth Moving---Section 3.10.F.3.a and F.4.a changed to ASTM D6938

STANDARD DRAWINGS AND DETAILS <http://engstandards.lanl.gov/index.html#dwg>

Chapter 7 Electrical

ST-D5010-3 Rev. 0, Meter Connection Diagram -- **New**

ST-D5010-4 Rev. 0, Meter Installation Detail -- **New**

ST-D5010-5 Rev. 0, Meter Connection Diagram -- **New**

ST-D5030-1 Rev. 3, Telephone-Data Equipment Closets and Riser Diagram -- clarified twistlock receptacles mounting; located paging system equipment

ST-D5030-3 Rev. 0, Small Building Telecommunications Room Plan and Telecommunications Riser Diagram -- **New**

ST-G4010-38 Rev. 1, Three Phase Transformer Concrete Pads -- added perimeter beam to pad, added note to show actual dimensions

DOE TECHNICAL STANDARDS ACTIONS

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

New or Revised DOE Tech Stds this past month:

DOE-STD-[1047](#)-2008, Safety Functions and Other Features of Remotely Operated Weapon Systems (ROWS), 23 pages

LAST MONTH'S UPDATE TOPICS

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

- **Engineering Ethics Seminar Clarification**
- **New Conduct of Engineering Procedures**
- **LANL Standards Issued in August**
- **DOE Technical Standards Actions**

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

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