

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 341](#)]

Topics this month:

- **Conduct of Engineering Website Debuts**
- **LANL Building Official Change**
- **Review Cycle**
- **IHS Online National Standards Subscription Being Trimmed**
- **LANL Standards Issued in December**
- **Last Month's Update Topics**
- **Corrections**

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

CONDUCT OF ENGINEERING WEBSITE DEBUTS

As noted last month under the topic of ML levels, the institutional Engineering Standards Program has two sister programs under CoE -- Engineering Processes and Engineering Training & Qualification. The CoE Office (CENG-OFF, technically) has a new website that centralizes these resources. Check it out at <http://int.lanl.gov/orgs/ceng/>

LANL BUILDING OFFICIAL CHANGE

The existence of a LANL Building Official has been discussed here for the past several months. The LBO is responsible for facility design and inspection plan review, permitting, inspection, and occupancy approval in accordance with the International Building Code, as implemented by the Engineering Standards Manual (especially ESM Chapter 16, IBC Building Safety Program).

Per Ch 16, the LBO is the FM&E Division Leader. This has been Mitch Harris but, with Mitch's departure from LANL today, Deputy LBO Ken Schlindwein will be assuming the LBO role. Mitch has been a long-time Engineering Standards Program supporter, so best wishes to him in his next endeavor.

REVIEW CYCLE

ESM Chapter 14 - Sustainable Design, [Sustainable Design Requirements for Facilities](#) has been posted for sitewide review.

This revision is due primarily to a 10CFR433 revision issued on Dec 8 whereby DOE-FEMP issued an Interim Final Rule on energy efficiency of new construction effective Jan 3, 2007. For future LANL-type buildings, it directs federal agencies to comply with the part of the Energy Policy Act of 2005 that said that efficiency must be 30% better than ASHRAE 90.1-2004, or whatever lesser percentage is life-cycle cost-effective using DOE-prescribed methods.

Comments are due to Tobin Oruch, oruch@lanl.gov, 665- 8475 by Jan 12, 2007. Comment forms are on the same webpage.

IHS ONLINE NATIONAL STANDARDS SUBSCRIPTION BEING TRIMMED

Noted last month, the IHS online national codes and standards [service](#) provided by the Research Library is being cut in early January as follows:

- Cut ANSI except for the nuclear segment, e.g. N14.5. Many other "ANSI" standards are actually now handled by authoring societies so there's much less here that's useful, and this package has one of the highest cost/use figures. Some ANSI are available as DOD adopted. Savings: \$21k.
- Cut DOD Historical (obsolete versions of standards once adopted by DoD). Savings: \$7k
- Cut Mil Specs. Now often on the web at http://www.assistdocs.com/search/search_basic.cfm. Savings: \$10k.
- Trim ISO: Subscribe to only a custom package of popular quality management and environmental titles saving \$13k
- Add NECA: we have locally loaded, but those copies are already getting out of date and IHS now carries. Cost: \$450.

If you use certain standards being cut, it is recommended that you download the latest versions asap. If having the latest revision is important, then periodically confirm rev using IHS and, when necessary, purchase later revisions individually through IHS using a purchase card. Look for updated RL webpages with options for finding MIL and other standards in early January.

LANL STANDARDS ISSUED IN DECEMBER

LANL Master Specifications Manual

12 5100 R1 *Office Furniture*. Complete Revision to acceptable manufacturers due to changes in contracts, and general administrative revisions. Thanks to Debra Lowe.

26 2419 R1 *Motor Control Center* Complete Updated requirements for seismic qualification and installation to meet IBC and ASCE 7. Added references to NECA 402 Recommended Practice for Installing and Maintaining Motor Control Centers. Updated several reference standards. Revised requirements for starter unit motor overloads to match those in Section 26 2913. Revised requirements for starter unit selector switches and pushbuttons to match those in Section 26 2913. Re-organized order of material in Part 3 Installation.

LAST MONTH'S UPDATE TOPICS

If you did not get last month's e-mailed Update, back issues are available: click "[Monthly Update](#)" below the Google search on the Standards [homepage](#) . Last month's Update topics were:

- **New ML Levels at LANL!!!**
- **IBC Building Safety Program Update**
- **IHS Online National Standards Subscription Being Trimmed**
- **LANL Standards Issued in December**
- **Last Month's Update Topics**

CORRECTIONS

Last month I stated that ML-2 is only for equipment or activities that protect workers from hazards generally unique to LANL's mission (nuclear or non-nuclear, including uninvolved workers), provide defense-in-depth to safety class SSCs, or could prevent an SC SSC from working if they failed. ML-2 includes Safety Significant SSCs. What I should have said was "...prevent an SS SSC from working..."

As stated then, those making determinations should use the actual wording in ISD 341-1, and contact Gurinder Grewal with any questions. Thanks to Darren Meadows for catching this.

To request a change to this newsletter's distribution contact Tobin Oruch, oruch@lanl.gov.

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