

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:

- **IHS "Standards Expert" Replacing "Specs and Standards"**
- **Introduction to LANL Engineering Standards Course**
- **Pressure Safety Notice RN0803**
- **LANL Master Spec Terminology Being Revised**
- **Prime Contract Mods**
- **LANL Standards Issued in April**
- **DOE Technical Standards Actions**

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

IHS "STANDARDS EXPERT" REPLACING "SPECS AND STANDARDS"

IHS, LANL's online national standards provider, has introduced a product revision called "IHS Standards Expert." This new interface delivers the same results as "Specs & Standards," but has a more intuitive design and an enhanced set of administrative tools. It so easy users should just pick it up and use it right away, though the existing "Specs and Standards" interface will still be available for a while. Access at <http://library.lanl.gov/infores/stand/ih/index.htm>

Selected new features:

NEW SEARCH NAVIGATION New, straightforward layout displays search options, search results and document options in a more intuitive, integrated view. Results are expertly organized, with clear labels for status and next steps, saving you mouse-clicks and maintaining your stream of thought. Enhanced search refinement filters ensure pinpoint accuracy.

NEW DOCUMENT DISPLAY Provides easy access to recently viewed documents, document details and links to standards referenced in the document.

FAVORITES An improved, one-click process to manage and retrieve standards you frequently access with automatic online and email alerts. Includes ability to add Notes to documents on your Favorites for personal viewing.

DOCUMENT LIST MANAGEMENT A streamlined wizard to quickly create "Watch Lists" for individual or project team access. Use lists to ensure compliance with standards, by receiving email Alerts when standards change that are critical to your business. Share lists for team collaboration of standards requirements across your company.

For live WebEx training or tip sheets on the new interface and previous features, go to <http://engineers.ihs.com/products/standards/specs-transition.htm>

INTRODUCTION TO LANL ENGINEERING STANDARDS COURSE

This four-hour course provides familiarity with national and LANL engineering standards for anyone performing, reviewing, or managing design activities. It will be taught by Tobin Oruch, Standards Manager, on Wed, May 21, from 8am - noon at White Rock. Register online [here](#) or call 667-0059 or e-mail esh-registration@lanl.gov about Course 24140. If full, please sign up for the waitlist. Registrants -- if unable to attend, please cancel via methods above.

PRESSURE SAFETY NOTICE RN0803

Noted last month, a new LANL Requirements Notice that issued in April installed a new LANL program for the procurement, test, and inspection of pressure vessels and relief devices, and a new chapter of the Engineering Standards Manual is in development that will eventually replace the Notice. The Notice is cross-posted on the Chapter 17 [webpage](#), and new projects and modifications must follow the Notice requirements.

A key feature of the new program is the establishment of a network of deployed Pressure Safety Officers (PSOs), one per Facility Operations Director, who will lead and assist with many aspects of implementation; a listing of the PSOs is on the Chapter 17 webpage above.

LANL MASTER SPEC TERMINOLOGY BEING REVISED

ASM-Subcontracts has new formats and exhibits using the technically correct (but potentially confusing) term "Subcontractor" to mean the entity LANS hires to do work (as opposed to "Contractor," which is what LANS is to DOE). This roll-out has also spawned the term "Subcontract Technical Representative" or STR.

To be consistent with these documents (called the pro forma or boilerplate), the LANL Master Specs are being revised to be consistent with these new terms. The prefacing specifier's notes are being updated at the same time. This past month, most of the specs in Divisions 01, 02, and 03 were revised accordingly; remaining divisions will be revised over the next few weeks.

PRIME CONTRACT MODS

LANS is working with LASO on several Prime Contract [Appendix G](#) modifications that will drive future revisions to the Engineering Standards Manual. These likely App G additions happening in the upcoming weeks (will be noted in future Updates) are:

- DOE Order 430.2B, *Departmental Energy, Renewable Energy, and Transportation Management*
- DOE Guide 420.1-3, *Implementation Guide for Department of Energy Fire Protection and Emergency Services Programs For Use With DOE Order 420.1B Facility Safety*
- DOE-STD-1066-99, *Fire Protection Design Criteria*

- DOE-STD-1088-95, *Fire Protection for Relocatable Structures*
- DOE-STD-1189-08, *Integration of Safety into the Design Process*

LANL STANDARDS ISSUED IN APRIL

Engineering Standards Manual http://engstandards.lanl.gov/New_Home.html#esm

Chapter 4, Architectural: Posted variance to B30 4.0 eliminating permanent fall protection

Chapter 13, Welding & Joining, Volume 3 WPS, 3-01 App A Index: Added WPS 1000 D1.8-1 Rev. 0 for demand-critical welds per AISC 341

Chapter 17, Pressure Safety, add reference documents: Requirements Notice RN 0803 and roster "FOD Pressure Safety Officers and other Personnel"

LANL Master Specifications Manual http://engstandards.lanl.gov/New_Home.html#spec

01 2500 R1 Substitution Procedures

Clarified structural reviews required; terminology changes

01 3300 R2 Submittal Procedures

Loop diagrams now required only for safety-related per I&C POC. Added other to Submittal list, made mandatory. Terminology updates.

Most remaining Division 01, 02, and 03 Specs -- Updated terminology to be consistent with pro forma (Subcontractor, STR, etc.)

Thanks to Mell Smithour, Paul Hudson, Charlie Trask, etc.

03 3053 R4 Cast In Place Concrete

Added exclusion from using NMDOT Specs for Method of Measurement and basis of Payment.

31 2000 R2 Earth Moving

Added exclusion from using NMDOT Specs for Method of Measurement and basis of Payment. Added surface tolerance. Added use of rock cut as subgrade.

31 2323.33 R3 Flowable Fill

Added exclusion from using NMDOT Specs for Method of Measurement and basis of Payment.

32 1216 R2 Asphalt Paving

Added exclusion from using NMDOT Specs for Method of Measurement and basis of Payment. Clarified testing requirements and surface tolerance.

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-1113-2008, Radiological Safety Training for Uranium Facilities (188 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:

- **Electrical Standards Course April 9**
- **Pressure Safety Notice 0803**
- **New Conduct of Engineering Procedures**
- **Sustainable Design Seminar April 16**
- **LANL Standards Issued in March**

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

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