

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:

- **Prime Contract Mods**
- **IHS Online National Standards**
- **CoE Procedure Changes**
- **LANL Standards Issued in June**
- **DOE Technical Standards Actions**

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

PRIME CONTRACT MODS http://int.lanl.gov/orgs/pcm/pc_mods.shtml

Among others, the following directives of likely interest to readers were added to the contract on June 11:

- DOE-STD-1189-08, Integration of Safety into the Design Process
- DOE O 430.2B, Departmental Energy, Renewable Energy, and Transportation Management
- DOE O 430.1B Chg 1, Real Property Asset Management

ESM Chapters 1 and 14 were revised to reflect these on June 16.

IHS ONLINE NATIONAL STANDARDS

Discussed at length last month, 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.

The previous "Specs and Standards" interface is no longer available.

IHS access is at <http://library.lanl.gov/infores/stand/ihs/index.htm>

For more information, call 800-447-3352 or to read about or sign up for a Live Training session on the IHS Standards Expert and IHS in general, go to <http://news.ihs.com/GoNow/a14065a179843a71152059a1>.

Note to power users: All Personal Document Lists were moved to the Watch List feature available in IHS Standards Expert, and you can modify your lists going forward there.

COE PROCEDURE CHANGES

The following Conduct of Engineering institutional Administrative Procedures were approved in June:

- [AP-341-516, R0](#) Operability Determination and Functionality Assessment
- [AP-341-613, R0](#) Instrumentation Set Point Control

Please use AP-341-401, Conduct of Engineering Program Administrative Procedures Management, to implement CoE procedures. For a listing of all APs, visit the Conduct of Engineering Office, [Engineering Processes](#) page. For questions about this email or the contents of the APs, please contact Gurinder Grewal at ggrewal@lanl.gov or 667-3667.

LANL STANDARDS ISSUED IN JUNE

ENGINEERING STANDARD MANUAL

Chapter 1 Section Z10 General Requirements for all Disciplines, R6, 6/16/08

Added DOE-STD-1189. Clarified subsections on State code (including clear adoption of IBC-2008), NCR, and Code of Record including engineering during construction requirement. MDL harmonized to AP-341-403, MEL per AP-341-404. New section on Environmental Management. Temporary Facilities redefined. Minor changes to Appendices A, C, and D.

Chapter 1 Section 200, Equipment Numbering and Labeling R7, 6/16/08

Clarified existing facility use, added CLI term, addressed sequence number reuse, other minor clarifications.

Chapter 2 Fire Protection, R3, 6/18/08

Added IFC, NM IBC amendments, most stringent concept. Protection loss threshold was \$1M. Occupancy analysis for IBC and NFPA. Added 420.1-3, deleted STD-1062. Other minor changes.

Chapter 5 Structural Section II (PC-0, PC-1, and PC-2 Design and Analysis Requirements), R5, 6/16/08

Several minor revisions to align with IBC-2006 changes and reference DOE-STD-1189. App A concrete anchor requirements revised slightly (still conservative versus IBC).

Chapter 7 Electrical Section D5000, R3, 6/6/08

Requirements for coordination studies for special electrical systems expanded. Added requirement for documented analysis to support decisions to modify existing major electrical equipment. Added UPS and engine-generator load summaries on one-line diagram sheets. Provisions for future expansion of electrical systems clarified. Aligned arc-flash warning label requirements with LANL ISD 101-13. Requirements for marking working spaces modified. Added graded approach

to determine the extent of formal electrical acceptance testing.

Chapter 13 Welding & Joining

Volume 1 General Welding Standards

Several GWSs were revised 6/6/08 to address audit corrective actions and minor changes to clarify intent or requirements with biggest changes the addition of written practice for welding NDE qualifications:

1-02, Administrative Control of Welding & Brazing, r5 and new Att 4

1-03, Welding & Brazing Material Procurement & Control, r4

1-05, Welder Performance Qualification & Certification, r3

1-10, Training, r4 and Att 2 revised

1-11, Inspector Qualification - Visual and NDE, r3 and revised Att 1 and 2; new Att 3

Volume 3 Welding Procedure Specifications

7000-Gas-PPE, Rev. 0

Chapter 14 Sustainable Design, R5, 6/16/08

Revisions to requirements to implement DOE O 430.2B (e.g., LEED Gold, Energy Star, Labs 21)

LANL MASTER SPECIFICATIONS MANUAL

http://engstandards.lanl.gov/New_Home.html#spec

Specs in Divisions 22-25 were revised to be consistent with pro forma terminology (Subcontractor, STR, etc.) and the specifier's notes update, as discussed last month.

DOE TECHNICAL STANDARDS ACTIONS

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

New or Revised DOE Tech Stds this past month: None.

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 Standards Manual Revisions Underway**
- **NEC 2008 Reminder**
- **LANL Standards Issued in May**
- **DOE Technical Standards Actions**

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

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