

This is the monthly newsletter of the LANL Engineering Standards Program. The Standards are mandatory documents that apply to all personnel performing engineering and construction services for LANL, both programmatic and facility -- including new equipment and facilities and maintenance and modification of existing. [LIR 220-03-01 ]

Topics this month:

**Drafts for Review (Programmatic & Facility)**  
**Standards Issued during the Past Month (Facility)**  
**Upcoming Standards Changes (Programmatic & Facility)**

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

**DOCUMENTS FOR REVIEW (Programmatic & Facility)**

**Instrumentation & Control**, ESM Chapter 8, D3060/F1050, Rev. 2c; Appendix H, r0; and Panel & Wiring Diagram Guidance

They are in the ESM area of the homepage under Documents for Review: **Comments Due COB Monday, May 16th to Mel Burnett**

**STANDARDS ISSUED DURING THE PAST MONTH (Facility)**

**LANL CONSTRUCTION SPECIFICATIONS (Facility)**

<http://engstandards.lanl.gov/conspec/htmls/csindex.htm>

**01015, r8 LANL Furnished Property/Services Contractor Tasks** - Title change; added "provide" definition; limitations section; several electrical and fire items and services; updated section numbers.

**02554, r6 Steam & Condensate Distribution** - Section 2.12A and 2.14A, manufacturer changed from Powell to Velan.

**02821, r1 Chain Link Fences and Gates** - Revised references to submittal spec in Section 1.3A, added 3.13.

**16225, r1 Induction Motors - 500HP and Smaller** - Added ref. to NECA 230- Standard for Selecting, Installing, and Maintaining Electric Motors and Controllers (ANSI). Added submittal requirement for motor selection calculations. Updated minimum motor efficiency table per ESM Ch.7 Sect.D5020 R2. Added requirement that motors not be selected to operator in their service factor. Added requirement that motors be de-rated based on altitude, ambient temp, and whether or not the motor is in a moving air stream. Added motor selection chart from ESM Ch.7 Sect. D5020, Rev 2.

**16264, r0 Static Uninterruptible Power Systems** - Initial Issue.

**16520, r0 Exterior Lighting System** - Initial issue. Replaces Section 16525.

**UPCOMING STANDARDS CHANGES**

The following ESM changes are anticipated for the month of May (subject to Board approval):

1. Chapter 1 Section Z10 General Requirements for All Disciplines -- revision
2. Chapter 1 Section 230 -- Component Nomenclature -- 7 acronyms added
3. Chapter 7 Electrical -- Sections D5000, D5010, D5020 revised
4. Chapter 13 Welding -- several GWSs, WFPs, and WPSs revised
5. Chapter 14 Sustainable Design -- new chapter, formerly Z10 App A

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To request a change to this newsletter's distribution contact Tobin Oruch, [oruch@lanl.gov](mailto:oruch@lanl.gov).

Previous issues of this monthly Update are available via the "What's NEW in Stds: Monthly Update" link near the upper right of the Standards homepage <http://engstandards.lanl.gov/>

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Tobin Oruch, Eng Standards Mgr  
Los Alamos Nat'l Lab -- ENG Div, Chief Eng Offc  
Mailstop D406 ph (505) 665-8475 fax 5-1723  
oruch@lanl.gov <http://engstandards.lanl.gov/>