

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. [\[P340-1\]](#)

Topics this month:

- **Electrical Standards Training 7/13**
- **AP Interim Change Notices**
- **LANL Standards Issued in May**
- **DOE Technical Standards Actions**

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

ELECTRICAL STANDARDS TRAINING 7/13

Point-of-Contact David Powell will teach "[LANL Electrical Engineering Standards](#)" July 13 from 8 am - 4pm at the White Rock Training Center. The course covers the electrical engineering standards in Chapter 7 of the LANL Engineering Standards Manual and discusses mandatory requirements and good practices for those involved in electrical design. Strongly suggested for electrical designers, electrical engineers, electrical safety officers, and facility managers. Reserve online using link above or call 667-0059 or e-mail Central Training at esh-registration@lanl.gov

AP INTERIM CHANGE NOTICES

Not Standards, but readers may be interested: The Conduct of Engineering Office just issued ICNs on three Conduct of Engineering Administrative Procedure forms. These ICNs precede the APs themselves online at the CENG [Engineering Processes](#) AP page.

For questions about this or any APs, please contact Gurinder Grewal at ggrewal@lanl.gov or 667-3667.

- AP-341-501, Screening for Engineering Work: Revised FM01
- AP-341-503, Engineered Equivalent Determination: Revised FM02, , Page 3 of 3, Section 5.0 Reviews and Approvals. Added the following for Additional Review: QEV Review – For nuclear facilities, engineered equivalent determination shall be reviewed by a LANL Qualified Evaluator.
- AP-341-703, Item Dedication: Revised FM01, Attachment 1, Form Instructions, Section 2.0 Item Dedication, Method 1, Special Tests and Inspections. Added after the first sentence, "The individual(s) (RE or the receipt inspection personnel) must be qualified inspectors to perform these inspections."

LANL STANDARDS ISSUED IN MAY

Engineering Standards Manual

Chapter 1 Section Z10 Rev. 7, General Requirements for All Disciplines/Chapters

Summary of Major Changes: 4.0.E: design-build for high risk projects discouraged; 5.0.F clarified ESM not be part of construction RFP; deleted backfit section in lieu of AP-341-515, System Adequacy Analysis; 7.0.E worker safety goal added; 8.0 revised calcs requirements and F.9 re sealing of FCRs, shop drawings; 16.0.K: Exhibit I added; Z1030 Temporary Facilities revised. Moved definitions to App A and converted Apps to Atts.

LANL Master Specifications

26 0519 Rev. 4, Low Voltage Electrical Power Conductors and Cables. Significant changes throughout; complete list on spec [archives](#) webpage.

DOE TECHNICAL STANDARDS ACTIONS

New or Revised DOE [Tech Stds](#) this past month:

DOE-HDBK-1104-2009, Review and Approval of Nuclear Facility Safety Basis and Safety Design Basis Documents

LAST MONTH'S UPDATE TOPICS

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

- **IBC Access**
- **Standards Intro Class May 12**
- **Design-Build No More?**
- **LANL Standards Issued in April**
- **DOE Technical Standards Actions**

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

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