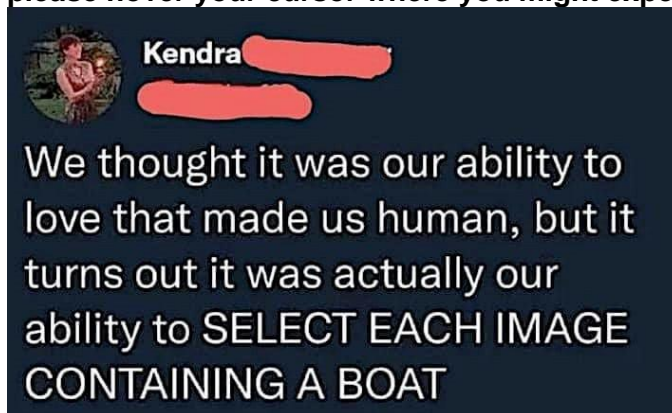

ENGINEERING STANDARDS UPDATE

Standards are serious business but this newsletter isn't always.

Topics this month:

- **Training & Qualification (Stds, CGD)**
- **ES-Div Management Changes (!); LANL Building Official**
- **LANL Standards Issued in August or so**
- **National Standards Action**
- **When Good Conduct of Engineering Isn't Followed**

Note: This newsletter has hyperlinks all over but their formatting may not show, so please hover your cursor where you might expect one.

**TRAINING & QUALIFICATION (STDS; CGD)****24140 Intro to LANL Engineering Standards**

Sept. 26 – 29 (must attend all 4 days), 2:00-4:00 PM, MS TEAMS

Attend each day to receive credit (it's 8 contact hours, despite what UTrain may say). You'll need to block your own calendars. Register in UTrain. If that fails, contact ES training person Stan Hayes (sehaves@lanl.gov) or Nick Jones, (n.jones@lanl.gov) with Z number. Provides familiarity with national and LANL engineering standards for anyone performing, reviewing, or managing design activities. Will be taught by Christine Honey (yeah!)

Required course for many LANL engineers, recommended for those at local AE firms, and **only taught a few times a year--so try to attend (Attn: B.T.)**. Teams info is in UTrain and here: [Click here to join the meeting.](#)

Commercial Grade Dedication Courses

The following classes have been set up in UTrain and MS Teams. Will be taught by John Lamendola and Chris Hartz.

CGD Overview, UTrain #30726 "COE Commercial Grade Dedication Overview". Intro to commercial grade dedication for nuclear service per AP-341-703. To be an actual preparer of CGDs, you also need to take the 30727 preparers course later (like the 28th).

September 12, 2022 at 1:00pm

September 27, 2022 at 1:00pm

COE CGD Preparers Course 30727, September 28, 2022 at 8:00am

Required if you perform or approve commercial grade dedication packages for nuclear service per AP-341-703; you must have taken prerequisite Course 30726, CGD Overview, before taking Preparers.”

Registering for UTrain Courses: Go to [UTrain](#), search on course, select and enroll. Disenroll if you have to bail. [AEs can also register for some; use token (CryptoCard) or contact ES training person Stan Hayes (sehayes@lanl.gov) or Nick Jones, (n.jones@lanl.gov) with Z number. For any UTrain or Teams issues contact Stan Hayes or Nick Jones. The instructor may have to invite you to Teams or Webex specifically just before starting time.

ES-DIV MANAGEMENT CHANGES (!); LANL BUILDING OFFICIAL

See Mike’s email below on big, recent changes. As noted, Jason Apperson will continue in the LBO and Owner roles for a few months. The plan is that Dan and/or Mike become qualified/NNSA-delegated, and this will be announced when it happens.

From: [Mike Richardson]
Sent: Friday, August 19, 2022 1:57 PM
Subject: ES Announcement - Leadership Changes

Good afternoon,

With mixed emotions I announce that my dear friend and close associate Jason Apperson is leaving Engineering Services to pursue a new challenge under ALDPI. I’m happy for Jason, but sad for ES. All of us are immensely grateful for his outstanding leadership as our Deputy Division Leader, LANL Building Official (LBO), and LANL Owner Representative. We wish him happiness and great success in his new position. Jason will continue to serve as our LBO and Owner Representative until we find a suitable replacement.

As a result of Jason’s departure, the following changes will be effective Monday, Aug 22nd:

Dan Tepley will be acting Deputy Division Leader for Engineering Services. Dan is presently the Group Leader for our Facility Engineering group (ES-FE), including the Conduct of Engineering office. Dan brings extensive leadership experience, having worked with multiple organizations throughout the laboratory including IQPA and Weapons.

Sarah Murdock will be the acting Group Leader for ES-FE. Sarah currently supports the Conduct of Engineering office as our resident expert in engineering processes. She is a respected and experienced manager, well-versed in our Engineering Standards Manual, Quality Assurance Program, and applicable DOE Orders and Standards.

snip

Damn it.



LANL STANDARDS ISSUED IN AUGUST OR SO <http://engstandards.lanl.gov/>

Engineering Standards Manual ESM [STD-342-100](#)

ESM-Chapter(s)	Section	Title	Rev.	Date	Comments
1 - General	200	Item Numbering & Labeling Attachment 1 : CMMS Upload Workbook	1.4	8/11/2022	Section 210 and 230 listings revised; see 210 and 230 Ref tabs for details. Thanks to Charlie Nuss.
7 - Electrical	D5020	Lighting & Branch Circuit Wiring VAR-10548 Elimination of Restrictions on Flexible Cord and Cable	-		Thanks to Wajdi Ahmad, POC Eric Stromberg.
13 – Welding, Joining, & NDE	3-01 App. A	WPS Index. Added 7000-Gasx-PPE3 for 8300/8400 HDPE Nat Gas pipe	0	7/20/2022	Thanks to Misha Gallegos, POC David Bingham
14 – Sustainable Design	all	References: Updated Design Review for Sustainability DOR and Scope (LANL use, pdf) Added two other references.	-	8/16/2022	Thanks to POC Dalinda (Dee) Bangert

16 – IBC Program	IBC-TIA	Test & Inspection Agency Approval Process Reference added: Nondestructive Examination Agency Subcontractor/Supplier Assessment for LBO Approval (LANL only)	-	9/1/2022	Thanks to SME David Harvey
17 – Pressure Safety	NASME	Reference: When listed components cannot be used, reputable manufacturers as discussed in NASME-1-a, b, etc.	-	8/30/2022	Thanks to POC Ari Swartz
	ADMIN-2	Design, Documentation, and Records Issued VAR-2016-013 r1 Allow Use of Unlisted LokRing Fittings for ASME B31.3 and B31.9 Pressure Systems	1	8/15/2022	Thanks to Randy Stringfield, POC Ari Swartz
	ADMIN-3	ADMIN-3-FM01, Relief Device Procurement Pre-approval	4	9/6/2022	Added FOD location/Category. Thanks to POC Ari Swartz
		ADMIN-3-FM02, ASME Vessel Pre-approval	2		
ADMIN-3-FM03, Steam and Boiler Relief Device Procurement Pre-approval	3				
QCSM	Section PS-GEN-NBIC-RSP, Quality Control Systems Manual (R Stamp Program)	2.2	8/22/2022	Remove Div. 2 and define Responsible Engineer as required by ASME Section VIII Div. 1 Appendix 47, Requirements for Pressure Vessel Designers. Thanks to Randy Austin, POC Ari Swartz	
21 - Software	all	VAR-10554, Ch. 21 Software – change to optional use	0	8/8/2022	Thanks to Christine Honey

Master Spec Sections [STD-342-200](#)

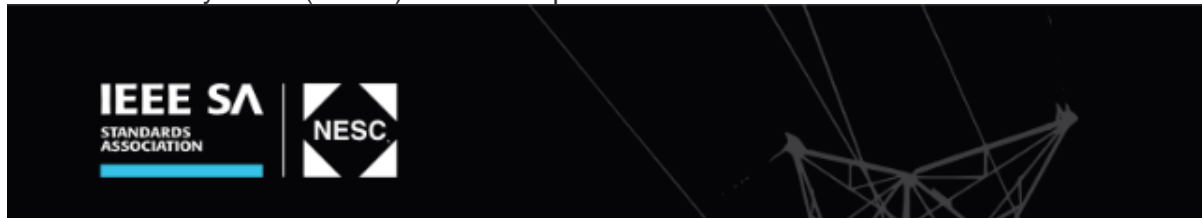
Spec Number	Rev.	Spec Title	Effective	Summary
09 5100	7	Acoustical Ceilings	8/22/2022	Minor changes including sustainable design references. Thanks to POC Scott Richardson.
09 6500	5	Resilient Flooring		
09 6813	3	Tile Carpeting		
11 5311.08 & 5311.10	-	Glovebox Design; Fabrication	-	Posted reference: Standard Details Listing (e.g., design and fabrication). Thanks to POC Jose Rodriguez.
11 5311.12	-	Glovebox Installation	-	Posted reference: Repeatable Details Listing. Thanks to POC Jose Rodriguez.

NATIONAL STANDARDS ACTION

[IEEE National Electrical Safety Code \(NESC/IEEE C2\) 2023 now available via IEEE Xplore](#)

(Research Library)

Los Alamos National Laboratory employees now have access to the 2023 edition of the National Electrical Safety Code (NESC) via IEEE Xplore.



LANL's **[IHS Eng Workbench](#)** (EWB) online codes & standards subscription news:

Document number: **[NEMA Z535.1](#)**, Safety Colors

Publication Date: **2022**

Type of Change: **Complete Revision**

Document number: **[NEMA Z535.3](#)**, Criteria for Safety Symbols

Publication Date: **2022**

Type of Change: **Complete Revision**

WHEN GOOD CONDUCT OF ENGINEERING ISN'T FOLLOWED

Well, a misbehaving scientist in this case.



Scientist admits 'space telescope image' was actually a slice of chorizo

A French scientist has apologized after tweeting a photo of a slice of chorizo, claiming it was an image of a distant star taken by the James Webb Space Telescope.

<https://www.cnn.com/2022/08/05/europe/scientist-space-image-chorizo-intl-scli-scn/index.html>

which leads to:

Nice try, NASA



LAST MONTH'S UPDATE TOPICS

Miss an issue? The archive is at "Monthly Update" on the Standards homepage. Last month's topics:

- Training & Qualification
- Procurement Quality Risk Levels
- Sustainable Design Corner
- LANL Standards Issued in July
- Engineering Processes News
- National Standards Action
- When Good Conduct of Engineering Isn't Followed

The views expressed in this email are not necessarily those of my employer.
To request a change to this newsletter's distribution, please contact me.

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