

Conduct of Engineering Request for Variance or Alternate Method

To display the <u>VAR Request Metadata</u> pane for this document, click **File > Info > Properties > Show Document Panel.**

1.0 General

1.1 Document Number: VAR-10548	1.2 Revision: 0	
1.3 Brief Descriptive Title: ESM Ch. 7 D5020 Elimination of Restrictions on Flexible Cord and Cable		
1.4 Affected Program: Engineering Standards	1.5 Request Type: Variance	
1.6a Affected Tech Area 99	1.6b Affected Buildings Sitewide	
1.7 Requestor: Ahmad, Wajdi M Organization: ES-EPD		
1.8 Revision History Revision Number Changes and Comments 0 Initial issue.		

2.0 Affected Conduct of Engineering Program/Documents

2.1 Affected "P" Document: P342 Engineering Standards	2.2 Subordinate or related document(s) [AP, master spec, LANL ESM chapter & section; or code, Order, standard, etc.]: Document Title/No.: ESM Chapter 7, Section D5020, Lighting & Branch Circuit Wiring
If against the P document itself, revision (or N/A):	Revision 5
N/A	Document Title/No.: Enter text
	Revision Enter text
	Document Title/No.: Enter text
	Revision Enter text
2.3 Section/Paragraph: 2.5.B.1	

2.4 Specific Requirement(s) as Written in the Document(s):

2.5 Flexible Cord and Cable

- A. Use flexible cords, cables, and their associated fittings that are UL approved and suitable for the conditions of use.
- B. Use flexible cords and cable only for the following applications
 - 1. Pendant receptacles for 15, 20, or 30 amp 120, 120/240, or 208Y/120V circuits.
 - 2. Exposed connections for lighting fixtures.
 - 3. Connections of portable lamps and appliances using an attachment plug and energized from a receptacle outlet.
 - 4. Connections of stationary equipment to facilitate their frequent interchange using an attachment plug and energized from a receptacle outlet that is mounted on the structure.

3.0 Request Information & Comments

3.1 NCR required (work I If Yes, NCR Number:	,	No		
3.2 System/Component /				3.3 Highest ML Level
OpSystem Acronym & Name ES - Electrical Supply				
System Number or Name EP		ML-1		
3.4 Proposal with Justific	ation/Compens	satory Measures:		
	, , ,	a copy of NFPA 70, 400.10 Us		•
restriction of not allow	ing pendant re	eceptacles at the 480/277 volt	level, which i	s not warranted).
		g this simplification, has been r	eviewed and	accepted by the Technical
Committee and Engine	ering Standar	ds Board.		
3.5 Attachments				
Document Title or De	escription Enter	text		
3.6a Project ID	3.6b: Project	Name	3.6c [°] Code o	f Record Date
	N/A N/A N/A N/A			
	N/A			
3.7 Duration:		3.8a If Finite Period, Start Date:	3.8b	End Date:
Lifetime	Lifetime Click to enter a date.			Click to enter a date
3.8c Provide the PFITS r	number for trac	king removal/correction: [PFITSN	um]	

3.9 USQD/USID required (Nuclear, High/Mod Hazard)? No If Yes, USQD/USID Number Click here to enter text.		
3.10 QA Review for process change matters potentially affecting LANL's NQA-1 implementation Is a QPA Determination required?: No If Yes , then: Choose an item. QPA Comments: Enter text		
3.11 POC Determination: Accept POC Comments: This restriction has already been removed from the next version of D5020 (r6).		
3.12 Management Program Owner's (SMPO) Approval for P341 and APs; P342, ESM, ML-1 and -2, and Contract Matters; and P343		
SMPO Determination: Accept Comments: Enter text.		

- **4.0 Participant Signatures** <u>NOTE</u>: DO NOT ADD NAMES FROM WITHIN WORD! <u>Save and close the form first</u>, then do 1-4 below:
 1. From the SharePoint library, select the document, then click the **ellipsis** (...) in the second column; a small dialog appears
 2. In the small dialog click the **ellipsis** again 1. 2. 3.
 - Click Edit Properties and check out the document if prompted toEnter names using the controls provided, then Save

4.1 POC (Management Program Owner's Representative):	Organization ES-DE-CON	Signature
Stromberg, Eric R		
4.2 Facility Design Authority Representative	Organization Enter text	Signature
[FDARName]		
FDAR signature not required		
4.3 LANL Owning Manager (FOD or R&D/Program)	Organization Enter text	Signature
[FODorPrgmMgrName]		
FOD or Program Manager signature not required $\ \square$		
4.4 Quality Reviewer's Name:	Organization Enter text.	Signature
[QPAName]		
QPA review/signature not required		
4.5 Safety or Security Management Program Owner's Approval for P341 and APs; P342, ESM and Contract Matters; and P343	Organization ES-DO	Signature
Apperson, Jason Wesley		
SMPO signature not required (Type 1 variance) \Box		

4.6 Additional Signer 1	Organization	Signature
[AdditionalSigner1]	Enter text.	
Role: Enter text.		
4.7 Additional Signer 2	Organization	Signature
[AdditionalSigner2]	Enter text.	
Role: Enter text.		

4.8 CoE Administrator Signature	Signature
Salazar-Barnes, Christina L	
<u>NOTE</u> : The CoE Admin is always the last signature placed on this document. The date of that signing is the date of this document.	