

Conduct of Engineering Request for Variance or Alternate Method

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

1.0 General

1.1 Document Number: VAR-10347		1.2 Revision: 0					
1.3 Brief Descriptive Title: Radiological Engineering Design/Design Support							
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: Oruch, Tobin H Organization: ES-FE							
1.8 Revision History <table border="1"> <thead> <tr> <th>Revision Number</th> <th>Changes and Comments</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Initial issue.</td> </tr> </tbody> </table>				Revision Number	Changes and Comments	0	Initial issue.
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2.0 Affected Conduct of Engineering Program/Documents

2.1 Affected "P" Document: P342 Engineering Standards If against the P document itself, revision (or N/A): N/A		2.2 Subordinate or related document(s) [AP, master spec, LANL ESM chapter & section; or code, Order, standard, etc.]: Document Title/No.: ESM Chapter 11, Radiation Protection Revision 2 Document Title/No.: Enter text.. Revision Enter text.. Document Title/No.: Enter text.. Revision Enter text..	
2.3 Section/Paragraph: Section F1030.50, Paragraph 3.1, Regulatory Requirements			
2.4 Specific Requirement(s) as Written in the Document(s): A. When a new facility or modification to an existing facility is planned, the design project management team shall notify and coordinate with RP-PROG Radiological Engineering Team for radiological engineering design support and/or review of the project design. 1. A radiological design and design review must be performed if any of the following conditions are expected to prevail for a new facility/equipment or modification of existing facility/equipment...			
2.5 Contractual, preference, or other basis for requirement in 2.4: LANL preference for ensuring adequate design. This is the same requirement as in P121, Radiation Protection (r6) Att. A Ch 12 Article 1221 (and the subject of an August 2019 variance [attached] to same clarifying intent).			

2.6 Type of VAR from ESM Chap 1, Z10 <i>[Applies only to standards variances)</i> Type 2	2.7 Discipline Radiation Protection
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3.0 Request Information & Comments

3.1 NCR required (work has occurred)? No If Yes, NCR Number: Enter text.		
3.2 System/Component Affected OpSystem Acronym & Name N/A System Number or Name [Select SystemNumberOrName]		3.3 Highest ML Level ML-1
3.4 Proposal with Justification/Compensatory Measures: Proposal Strike "design and" in subparagraph 1 above leaving "A radiological design review must be performed...". Justification Requirement could be interpreted to mean RP-PROG must perform all rad protection design; however, it is not always appropriate to perform both a radiological design and design review; often, only a design review is warranted. For example, there are times when all of the controls that would be implemented by a radiological design already exist prior to the start of the process. In this case the design is already complete, so RP radiological engineers don't need to perform the design portion. A RP radiological engineer would always be required to perform a design review to ensure every project, which meets the listed conditions, is properly evaluated.		
3.5 Attachments Document Title or Description Form 3057 altering P121		
3.6a Project ID N/A	3.6b: Project Name N/A	3.6c: Code of Record Date N/A
3.7 Duration: Lifetime	3.8a If Finite Period, Start Date: Click to enter a date.	3.8b End Date: Click to enter a date
3.8c Provide the PFITS number for tracking removal/correction: [PFITSNum]		
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: Enter text..		

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 **NOTE:** DO NOT ADD NAMES FROM WITHIN WORD! *Save and close the form first, 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
3. Click **Edit Properties** and check out the document if prompted to Enter names using the controls provided, then **Save**

4.1 POC (Management Program Owner's Representative): Costigan, Steve	Organization RP-PROG	Signature
4.2 Facility Design Authority Representative [FDARName] FDAR signature not required <input checked="" type="checkbox"/>	Organization Enter text..	Signature
4.3 LANL Owing Manager (FOD or R&D/Program) [FODorPrgrMmgrName] FOD or Program Manager signature not required <input checked="" type="checkbox"/>	Organization Enter text..	Signature
4.4 Quality Reviewer's Name: [QPAName] QPA review/signature not required <input checked="" type="checkbox"/>	Organization Enter text.	Signature
4.5 Safety or Security Management Program Owner's Approval for P341 and APs; P342, ESM and Contract Matters; and P343 Nappi, Maria Grazia Carmella SMPO signature not required (Type 1 variance) <input type="checkbox"/>	Organization RP-DO	Signature

<p>4.6 Additional Signer 1</p> <p>Streit, Jim</p> <p>Role: LANL Standards Issuing Authority</p>	<p>Organization</p> <p>ES-DO</p>	<p>Signature</p>
<p>4.7 Additional Signer 2</p> <p>[AdditionalSigner2]</p> <p>Role: Enter text.</p>	<p>Organization</p> <p>Enter text.</p>	<p>Signature</p>
<p>4.8 CoE Administrator Signature</p> <p>Salazar-Barnes, Christina L</p> <p>NOTE: The CoE Admin is always the last signature placed on this document. The date of that signing is the date of this document.</p>	<p>Signature</p>	