

Conduct of Engineering Request for Variance or Alternate Method

Assigned by SMPO or SMPOR: Altern	ate Metho	od 🛚 Varia	inceTracking nun	nber VAR16-024_		
1.0 Affected Document(s)		<u> </u>				
☐ Engineering Processes (e.g., P 341)			Subordinate (Functional Series) document if applicable			
Engineering Standards (e.g., P 342)			(ESM Chapter, Master Spec, AP, etc.):			
Engineering Training & Qualification (e.g., P 343)			Document Title/Number: _G50 Site Communications_			
If against P documents themselves, revision:			Revision: _0 2/23/2015 (ESM Chapter 19)			
Section/Para Underground Pathways 1.3.0						
Specific Requirement(s) as Written in the Document(s) 1. As required so no conduit or duct section length exceeds 600 ft.						
1. 125 required so no conduit of duct section length encocds 500 ft.						
2.0 Request						
Brief descriptive title: Requesting variance to the length as existing pathway exceeds 600 ft.						
NCR required (work has occurred)? Yes No			If Yes, NCR Number			
TA-Bldg-(Room) and/or Project Affected			System/Component Affected			
TA-9 – TA-15 duct run			mmunications			
Proposal Utilize an existing pathway which exceeds 600 ft per run. This is a straight run of innerduct within buried pipe.						
BICSI OSP applications states "If you are only planning to pull optical fiber cables, a common industry practice is to						
place the handholes or pull boxes up to 450 m (1,500') apart." This has been implemented at other locations within the Laboratory, but the standard was not updated to reflect this industry practice.						
Justification/Compensatory Measures						
Utilization of existing pathway that is only designated for fiber cables will save an enormous amount of money and provide red and						
yellow networking to TA-15 in a reasonable time frame.						
Duration of Request:	of Request: Start Date:			End Date:	Lifetime	
· ·		Z Number	Organization	Signature	Date	
David Schlegel		102696	NIE-TS	Signature on file	02/09/2016	
USQD/USID required (Nucl. High/Mod Hazard)?		Yes X No	If Yes, USQD/	USID Number		
Design Authority Representative		Z Number	Organization	Signature	Date	
R. Swickley		228406	ES-WFO	Signature on file	2/10/16	
LANL Owning Manager (FOD or Programmatic)		Z Number	Organization	Signature	Date	
Brian Watkins		206831	WFO	Signature on file	2/16/16	
3.0 Safety Management Program Owner (SMPO) Representative (SMPOR/POC)						
☐ Decline ☐ Accept ☐ Accept ☐ with Modification: For Fiber placements only						
POC	Z Number		Signature		Date	
Pete Lowe	094955		Signature on file		2/9/16	
4.0 Additional Approval for P341 and APs; P342, ESM, Code, and Regulation Matters; and P343						
Accepted Accepted with comments Declined						
Comments:						
0.64			l 	0: 1		
Safety or Security Management Program Owner			Z Number	Signature Signature of file	Date 3/10/16	
Lawrence K Goen			106351	Signature of the	5/10/10	

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