Docket: 2026-2028 Electrical Corporation Wildfire Mitigation Plans

Docket#: 2026-2028-Base-WMPs

SCE	Legal, Regulatory, and	Transmission & Distribution Utility Vegetation	Reference	Doc. No.	UVM-06	N/	SOUTHERN CALIFORNIA
SOL	Compliance	Management (UVM)	Neielelloe	Version	2	3	EDISON [®]
	Effective Date	5/17/19					
Supersedes		Version 1					for What's Ahead [™]
LiDAR Schedule Reference Guide							

UVM-06 Utility Vegetation Management LiDAR Schedule Reference Guide

SCE	Legal, Regulatory, and	Transmission & Distribution	Reference	Doc. No.	UVM-06	
SCE	Compliance	Utility Vegetation Management (UVM)	Reference	Version	2	
	Effective Date	5/17/19				
	Supersedes	Version 1				



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	Supersedes	Version 1				Energy	y for what's Allead	
	LiDAR Schedule Reference Guide							

Introduction

1.

Light Detection and Ranging (LiDAR) is a surveying method that measures distance to a target by illuminating the target with pulsed laser light and measuring the reflected pulses with a sensor. Differences in laser return times can then be used to make digital three-dimensional representations of the target. On the SCE system, a LiDAR survey is conducted via air patrol.

SCE uses LiDAR as an inspection and measurement tool to identify Compliance Clearance Distance (CCD). This method of inspection and measurement is used on selected Rights of Way (ROW) in the SCE system. This procedure establishes the frequency that LiDAR is used on impacted ROWs within the SCE System. SCE has established a schedule based on criteria for LiDAR surveys to be performed. The Table LiDAR ROW Schedule provides the Class designation for each ROW. Only ROWs which have a LiDAR schedule are included in the table. (Refer to Attachment A.)

In addition, the LiDAR ROW Class designation can change over time. If the density of vegetation on a ROW decreases significantly, a ROW may be de-rated. For example, a re-claimed Class A ROW may be downgraded to a Class B ROW. Also, in locations where the conductors have changed due to construction, the spans of line affected may be surveyed off-cycle.

2. Applicability

This document is applicable to the Operating Units (OU's) impacted by ERCP Compliance Requirements including, but not limited to:

Transmission & Distribution

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3. Document Detail

3.1 LiDAR ROW Criteria for Study

3.1.1 Class A ROW

Frequency: Annual

Class A ROWs are all ROWs in areas with dense vegetation coverage and challenging terrain. Air patrols are not used due to the ineffective angle of observation to the ROW. Minimum conductor to ground clearances have not been achieved, and sag and sway conditions are prevalent. ROWs may have narrowed due to extenuating circumstance and Grid Resiliency regulatory clearance has not been achieved.

3.1.2 Class B ROW

Frequency: Biennial

Class B ROWs are all ROWs in areas with low to moderate vegetation coverage and challenging terrain. Air patrols are not used due to the ineffective angle of observation to the ROW. Minimum conductor to ground clearances have not been achieved, and sag and sway issues are found is some spans. ROWs may have narrowed due to extenuating circumstance. Grid Resiliency regulatory clearance has not been achieved.

3.1.3 Class C ROW

Frequency: Every 3 years

Class C ROWs are all ROWs in areas with low to moderate vegetation coverage. Air patrols are not used due to the ineffective angle of observation to the ROW is some sections of the ROW. Poor ROW accessibility or rough terrain makes ground measurements difficult to calculate between vegetation and conductors in some sections. Grid Resiliency regulatory clearance has been achieved.

3.1.4 Class D ROW

Frequency: Every 5 Years

Class D ROWs are in areas with low to moderate vegetation coverage. ROW access is maintained, conductor to ground clearances have been achieved. Grid Resiliency regulatory clearance has been achieved.

3.1.5 Class E ROW

Frequency: As Needed

Class E ROWs has areas with low to moderate vegetation coverage. Full regulatory clearance has been achieved. Study is needed to establish baseline.

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3.1.6 Class F ROW

Frequency: Not Studied

Class F ROWs have clear a line of sight for air patrols. These ROWs have good access. All sag and sway issues have been identified and mitigated.

4. Approvals

Program Manager	Signature	Date
[NAME REMOVED], Principal Manager	[NAME REMOVED]	5/16/19

5. Revision History

Revision Number	Date	Description of Revision	Ву	Next Review Date
1	7/8/2018	Original content	[NAMES REMOVED] UVM Team	12-21-2019
2	5/17/19	General Document Refresh	[NAME REMOVED]	5/17/20

6. References

6.1 External References

NERC Glossary of Terms: https://www.nerc.com/pa/Stand/Glossary%20of%20Terms/Glossary_of_Terms.pdf

6.2 Internal References

ECSS-02, E&C Shared Services Glossary of Terms UVM-16, UVM Program Glossary of Terms

7. Attachments

Attachment A: Transmission Circuits ROW Criteria – Example (latest version is located on the VM SharePoint site)

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8. Distribution and Data Retention

Version Retention: This version of the document shall be stored on the Maintenance and Inspection server (\\sce\workgroup\TDBU20\ts compliance) while in effect and for at least seven (7) years thereafter.

9. Key Contacts

UVM Senior Specialist: [NAME REMOVED]

SCE	Legal, Regulatory, and Compliance	Transmission & Distribution	Procedure	Doc. No.	UVM-06	SOUTHERN CALIFORNIA
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Attachment A Transmission Circuits – Representative Sample Only - Example

		2019 Veg. M	ang. Annual Work Sch							
Zone 🔻	Dist 🔻	Grid/Circui 🔻	Circuit Name	Voltage ▼	Owner -	Vegetati	Lidar Clas -	Comment/Justification for A and B classificaitons.	Trim Mon	Major WECC Path
7	29	00132	Serrano-Valley	500.00 kV	NERC	Yes	Α		1 N	o
								Unable to drive full line. Limited access over		
								mountains-Must rely on Helicopter for observation.		
3	35	00775	Moorpark-Santa Clara No. 1	220.00 kV	NERC	Yes	Α	Parts of line have no access to inspect	1 N	0
								Unable to drive full line. Limited access over		
								mountains-Must rely on Helicopter for observation.		
3	35	00778	Moorpark-Santa Clara No. 2	220.00 kV	NERC	Yes	Α	Parts of line have no access to inspect	1 N	o
								Unable to drive full line. Limited access over		
								mountains-Must rely on Helicopter for observation.		
3	39	00770	Santa Clara-Vincent	220.00 kV	NERC	Yes	Α	Parts of line hve no access to inspect	1 N	О
								Unable to drive full line. Limited access over		
								mountains-Must rely on Helicopter for observation.		
3	49	00337	Goleta-Santa Clara No.1	220.00 kV	NERC	Yes	Α	Parts of line hve no access to inspect	1 N	o
								Unable to drive full line. Limited access over		
								mountains-Must rely on Helicopter for observation.		
3	49	00338	Goleta-Santa Clara No.2	220.00 kV	NERC	Yes	Α	Parts of line hve no access to inspect	1 N	0
5	27	00707	Rio Hondo-Vincent No.2	220.00 kV	NERC	Yes	Α		2 N	0
5	27	00708	Rio Hondo-Vincent No.1	220.00 kV	NERC	Yes	Α		2 N	0
								Requires a 6 hour foot patrol due to terraine. Safety		
3	59	00624	Pardee-Pastoria-Warne	220.00 kV	NERC	Yes	Α	concern. Only access is from freeway (I-5)	2 N	0
								Major sag/sway/conductor to ground issues; lots of		
2	50	01046	Big Creek 3-Rector No.1	220.00 kV	NERC	Yes	A	work performed invalidating existing LiDAR	5 N	0