

# **SOUTHERN CALIFORNIA EDISON TRANSMISSION AND DISTRIBUTION**

## **Underground Structures Standards (UGS)**

**2017 SECOND QUARTER ISSUE**

**April 28, 2017**

***Note:** Please refer to the **on-line** version of this manual at SCE's Standards & Publications Web site to ensure information is current. Printed versions and downloaded versions are not updated, and may not contain the most current information and in-force guidance.*



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SOUTHERN CALIFORNIA EDISON  
TRANSMISSION AND DISTRIBUTION  
STANDARDS AND PUBLICATIONS  
7300 FENWICK LANE RM. 169, WESTMINSTER, CALIFORNIA 92683  
PAX: 54782 • VOICE: (714) 895-0782 • EMAIL: [juan.castaneda@sce.com](mailto:juan.castaneda@sce.com)

# Underground Structures Standards (UGS)

## Revision Summary

### 2017 Second Quarter Issue

Effective Date: April 28, 2017

## Overview

The main purpose of this revision summary is to describe notable revisions for the current quarter (Table RS-3). In addition, this revision summary provides:

- A list of the items in the revision package (Table RS-1)
- Links to Web sites giving instructions for ordering and printing additional copies of revision packages or complete manuals
- Contact information

**Note:** Some or all of the information in this revision summary may have been previously communicated to field personnel by other means.

**Table RS-1: List of Items in Revision Package**

Item	Description
1	Title Page
2	Revision Summary (this document)
3	SS 530: 6' x 8'-6" and 8' x 10' Slab Box for Pad-Mounted Transformer, VFI-4, and RAR
4	SS 535: 10' x 12' Precast Slab Box for 3Ø Pad-Mounted Transformers up to 5,000 kVA
5	SS 541: 7' x 14' x 11' Precast Tub-Style Structure with Modular Top Type I and II
6	SS 564: Precast Concrete BURD Switch Enclosure — 4' x 4' x 4'
7	SS 587: PME Concrete Enclosure
8	SS 590: Precast Tub-Type for PMH/PME, Primary Metering Cabinets, and Preferred Emergency Switch — 5' x 10'-6" x 7'
9	FC 623: 30" Round Composite Manhole Cover and Cast Iron Frame — HS 20 Loading
10	MC 860: Inspection and Repair Procedures for Precast Vaults and Manholes

## Ordering Information

### ***Southern California Edison Employees***

For instructions on ordering the manual through the Edison Portal, visit Transmission & Distribution > Standards and Publications, and click the appropriate link under “Place an Order.”

### ***Non-Southern California Edison Employees***

For instructions on ordering the manual, visit [www.sce.com/aboutsce/regulatory/distributionmanuals](http://www.sce.com/aboutsce/regulatory/distributionmanuals).

## Summary of Revisions

Standards-approved revisions are identified with **change bars** and can be “Admin” (Administrative), “New,” or “Technical” revisions. These three types of revisions are defined below in [Table RS–2](#), followed by the revisions themselves in [Table RS–3](#).

**Table RS–2: Definitions of Revision Types**

Type	Definition
Admin	Admin revisions do not significantly affect design, construction, maintenance or operation of the electrical distribution, substation, and transmission systems. These revisions do not require Standards Review Team (SRT) or management approval; however, these revisions have been approved by other organizations as appropriate. Admin revisions may include updates to SAP numbers, updates to references, updates to standards for clarity, or deletions of outdated information.
New	Refers to a new standard. New technical standards require SRT and management approval.
Technical	Technical revisions are engineering changes to existing standards. These revisions affect the design, construction, maintenance or operation of the electrical distribution, substation, and transmission systems. These revisions require SRT and management approval.
Pilot	A Pilot is an in-field evaluation of a piece of equipment or work method, with the intention of approving for standardized use. Pilot standards will have a <b>PILOT</b> watermark so that they are easily identified throughout this manual

**Table RS-3: UGS Manual Revisions**

<b>Standard</b>	<b>Sheet</b>	<b>Description</b>	<b>Type</b>
SS 530	2	Note 4. was updated to include a maximum of 6-five inch conduits.	Admin
SS 535	All	10' x 12' Precast Slab Box for 3Ø Pad-Mounted Transformer was revised to show "up to 5,000 kVA" in the title block.	Admin
SS 541	1	Figure SS 541-1: Added Note 1 for the use of composite manhole covers.	Technical
SS 564	All	Added information about the use of composite manhole covers.	Technical
SS 587	1	Added Note 8 for the use of composite manhole covers.	Technical
SS 590	5	Note 7: Added information about the use of composite manhole covers.	Technical
FC 623	1	Pilot watermark has been removed. Covers may be installed in parkways for specific structures.	Technical
MC 860	1	Standard was updated to include a new reference to the New Basis In-Place Vault Replacement Pilot.	Technical

## Getting Help

### ***Technical Revisions***

If you have any comments, corrections, questions, or suggestions concerning manual revisions, please contact the following individual at the numbers provided or click on a name to send an e-mail:

- [Juan Castaneda](#) (Mgr.) — PAX: 54782, Outside: (714) 895-0782
- [Alaira Bilek](#) — PAX: 54156, Outside: (714) 895-0156
- [Jaimen Sanders](#) — PAX: 54142, Outside: (714) 895-0142
- [Alan Kasanow](#) — PAX: 54733, Outside: (714) 895-0733

### ***Address Corrections***

Send address changes to:

Southern California Edison  
1 Innovation Way, Pomona  
California 91768-2560



Bill Chiu  
Director of Engineering

# Division Index

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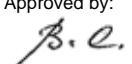


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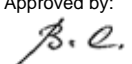
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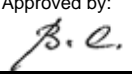
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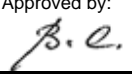
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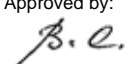
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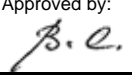
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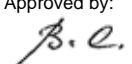
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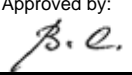
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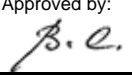
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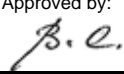
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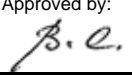
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