

## Underground **Distribution Construction** Manual



**APPROVED BY: A Smith - de Perez** 

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## INTRODUCTION

The "Underground Distribution Construction" standard outlines the requirements and practices for the construction of the underground electricity distribution network, energised at voltages up to 11 kV.

The aim of this document is to ensure that ENERGEX's underground electricity distribution network is constructed in accordance with ENERGEX policies and design criteria in order that:

- The regulatory and statutory requirements for a safe and efficient underground electricity distribution system are met.
- The installations are carried out with due care with regard to workers and public safety, the environment and with minimum disruption to public amenity.

The Manual has been broken into two major parts—Civil Works and Electrical—to correspond with the requirements of the two main user groups in the field.

| Part                | Section | Description                  | Last Update |
|---------------------|---------|------------------------------|-------------|
| CIVIL WORKS         | C1      | Conduits                     | 29/12/2015  |
|                     | C2      | Excavation and Reinstatement | 05/06/2017  |
|                     | C3      | Padmount Transformer Sites   | 05/06/2017  |
|                     | C4      | Other Ground-Mounted Plant   | 05/06/2017  |
|                     | C5      | Pits                         | 05/06/2017  |
|                     | C6      | Cables                       | 05/06/2017  |
| ELECTRICAL          | E1      | Assemblies                   | 05/06/2017  |
|                     | E2      | Padmount Transformers        | 05/06/2017  |
|                     | E3      | Other Ground-Mounted Plant   | 05/06/2017  |
|                     | E4      | Cables                       | 29/12/2015  |
|                     | E5      | LV Joints and Terminations   | 05/06/2017  |
|                     | E6      | HV Joints and Terminations   | 05/06/2017  |
|                     | E7      | Earthing                     | 29/12/2015  |
| AMENDMENT<br>RECORD |         |                              | 05/06/2017  |

## CONTENTS