



## Information Bulletin:

### Revised ES54 S0-02 Services General Notes and Release of ES54 S0-05 Service Ducts and Trenches

#### 1.0 Items Covered

ES54 S0-02 R1	Services General Notes
ES54 S0-05	Services General Notes Service Ducts and Trenches

#### 2.0 Overview

Distribution Standards has revised ES54 S0-02 as follows:

- ES54 S0-02 now covers only general underground service requirements that are common to both medium-voltage (primary) and low-voltage (secondary) services;
- Specific primary requirements that were previously covered by ES54 S0-02 are now covered in ES54 S0-03;
- Specific secondary requirements are now covered in ES54 S0-04;
- A grounding stud is no longer required inside the utility wireway, as work method rules do not require the use of personnel safety grounds when working on low-voltage equipment;
- Clarity concerning jurisdiction; and
- General formatting.

New underground civil standard ES54 S0-05 has been released to cover customer service trench and duct requirements on private property. Most of the requirements of this standard were contained in various documents and are now consolidated into a single standard. The purposes of this standard are:

- To clarify existing and new requirements for customer service (primary, secondary, single-phase, and three-phase) trenches and ducts;
- To harmonize requirements with CSA C22.3 No 7 *Underground systems* utility standard;
- To accommodate the same base and cover materials used in CSA C22.1 *Canadian Electrical Code, Part I, Safety Standard for Electrical Installations* standard;
- To clarify duct entry for zero clearance applications and shear-withstand requirements.

### 3.0 Action

ES54 S0-02 R1 and ES54 S0-05 R0 are effective June 30, 2023. In-flight work approved by the local BC Hydro design office is not required to meet any new requirements within these standards.

#### Designers and Engineers

Designers and engineers should familiarize themselves with the revisions to ES54 S0-02 and new standard ES54 S0-05.


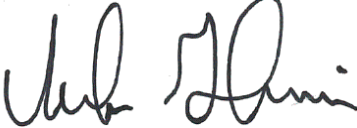

#### Civil Inspectors

Civil inspectors should familiarize themselves with the revisions to ES54 S0-02 and new standard ES54 S0-05.

#### Customers and Customer Representatives

Customers and customer representatives, such as electricians, project managers, consultants, and contractors, should familiarize themselves with the revisions to ES54 S0-02 and new standard ES54 S0-05. Please direct any questions or concerns to your local BC Hydro representative.

### 4.0 Approval

Recommended		Reviewed		Approved	
					
M. Stevens		M. Kelvin		H. Giesbrecht	
Date:	2022-11-25	Date:	2022-11-25	Date:	2022-11-25