



## **Data Involved in Performing a Short Circuit and Coordination Study**

- Determine the parameters or portion of the system involved in the study.
- Develop a one-line diagram of the system.
- Collect utility available fault current and overcurrent device settings (upper limit of coordination.)
- Collect details on system electrical devices/equipment.
- Calculate the available short circuit current at each location in the system and compare values with interrupting ratings of system devices.
- Select the time-current characteristics of the protective devices to obtain optimum system coordination through maximum fault levels. Plot these characteristics curves on log-log paper.
- Determine settings and sizes for all protective devices within the scope of the project.
- Generate recommendations and comments in order to ensure maximum system safety, reliability, and coordination.

**For more information on Short Circuit and Coordination Studies  
visit our Web site at [www.cpeinc.net](http://www.cpeinc.net)  
or call us at (410) 694-9494.**