

# APPRENTICESHIP AND OCCUPATIONAL CERTIFICATION

## Board Order

*This is an order of the New Brunswick Apprenticeship and Occupational Certification Board made pursuant to section 13 of the Apprenticeship and Occupational Certification Act.*

**Title:** Tasks, Activities and Functions of a Designated Occupation

**Category:** Voluntary

**Occupation:** Engineering Assistant

**Board Order Number:** V047.1

**Board Order Date:** January 17, 2013

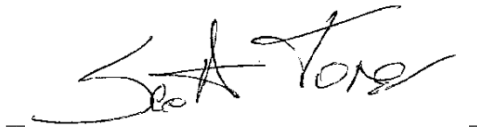
**Effective Date:** December 1, 2013

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### SCOPE OF THE OCCUPATION

The engineering assistant occupation includes

- (a) the performing of engineering calculations in the functional areas of design, projects, operations and planning relating to the electrical distribution system of an electrical utility and pertaining to such items as voltage drop, fault current levels, system protective coordination, system design and equipment loading;
- (b) the preparing of the necessary engineering detail required for specified capital job packages, apparatus and equipment including metering as it pertains to distribution of electrical power;
- (c) the carrying out of the design work required for all overhead and underground electrical distribution facilities;
- (d) the specifying of and coordinating of the annual load checks and the analyzing of the results to determine electrical distribution system conditions and equipment loading, and the coordinating of the review and update of one line diagrams;
- (e) the carrying out of studies and investigations pertaining to major interruptions, damage claims or other items related to electrical distribution system operations; and
- (f) the preparing of facility plans and a capital budget for the electrical distribution system, including a forecast of material requirements for capital jobs.



Chair  
Apprenticeship and Occupational Certification Board