



## **Electrical Safe Work Standard**

### **1.0 PURPOSE**

This standard supports the Hazard/Aspect Controls Policy and requires that adequate resources be assigned to develop and maintain; procedures, work practices and training programs necessary to establish an industry leading electrical safety program.

### **2.0 DEFINITIONS**

#### **2.1 Hazard/Aspect and Risk Assessment (HARA)**

The overall formal process to identify hazards/aspects and evaluate the risk of injury or illness arising from exposure to a hazard/aspect, with an objective to eliminate the risk or to utilize control measures to reduce the risk.

### **3.0 METHOD / PRACTICE**

#### **3.1 Identify Electrical Hazards**

- Electrical hazards shall be identified via documented hazard/aspect and risk assessment.
- The Hazard/Aspect and Risk assessment process will be the tool used for identifying and managing electrical hazards.
- SaskPower electrical incidents shall be evaluated to determine root cause and to identify gaps in our current processes.
- Current work procedures, practices and training material shall be compared to pertinent industry standards and revised as required.
- The effectiveness of operational controls shall be monitored via ongoing supervision, work observations, audits and work-site inspections.
- SaskPower Personal Protective Equipment (PPE) requirements shall be assessed in order to ensure alignment with current Electrical Utility Standards.

#### **3.2 Control methods**

- Where practical, electrical hazards shall be eliminated. Where hazards cannot be eliminated, controls shall be used to reduce risk.
- SaskPower work procedures, practices and training material shall be revised, updated and/or developed in order to comply with the recommendations from Section 3.1 of this standard.

#### **3.3 Implementation**

- The required training, instruction, briefing and other pertinent information will be developed and delivered to the identified work groups.



### **3.4 Monitoring**

- The success of the implementation will be monitored through direct supervision, as well as with targeted work observations and management system audits.

### **4.0 REFERENCES**

- Saskatchewan
  - The Occupational Health and Safety Regulations, 1996
- SaskPower
  - Hazard/Aspects Controls Policy
  - Standard Protection Code
  - Safety and Environment Rulebook
  - SaskPower Power Line Apprenticeship Training Manual
  - Arc Protection Recommendations for SaskPower Transmission and Distribution
- Third Party Standards
  - NFPA70E Standard for Electrical Safety in the Workplace
  - IEEE National Electrical Safety Code C2-2007
  - CSA Z460-05 Control of Hazardous Energy
  - CSA Z462 Workplace Electrical Safety [pending]
  - CAN/ULC-S801-10 Standard on Electric Utility Workplace Electrical Safety for Generation, Transmission, and Distribution