


Requirement Open	The Statkraft Way Switching Assistant	 Statkraft
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1 PURPOSE

Ensure security at (dis-)connections and safety in high-voltage installations when the Switching Supervisor must use Switching Assistant.

2 SCOPE


This applies to all connections in high voltage installations where Skagerak Kraft AS (SK) or Statkraft Energi AS (SE) has operational responsibility. This is regulated through the current switching agreements and Safety Cards.

3 RESPONSIBILITY

Whoever is appointed as Switching Assistant is responsible to ensure that this instruction is followed. Operations Manager shall ensure that activities governed by this instruction are performed properly. Operations Manager is responsible for the instruction being drawn up and maintained.

Only Operation Manager has the authority to give deviation permit.

If the Switching Assistant does not feel fit to exercise his/her function as Switching Assistant at a specific work assignment, it is the duty of the Switching Assistant to inform the Switching Supervisor about this.

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4 PROCEDURE

Appointed Switching Assistant must adhere to regulations issued by the Switching Supervisor, "Safety Regulations for Work and Operation of Electrical Installations" (FSE 2006) and this instruction.

4.1 Appointment

Whoever shall be appointed as Switching Assistant for high voltage installations where Skagerak Kraft AS or Statkraft Energi AS has operations responsibility must be approved in advance by The Operations Manager.

In addition to the regular appointed Switching Supervisor, switchings in high voltage installations can be delegated to a Switching Assistant. The Switching Supervisor is delegated authority to appoint Switching Assistant to a single mission among those who have received such recognition from The Operation Manager. Whoever appointed to Switching Assistant must have good operational knowledge of the plant, knowing the structure and behavior, and should easily orientate themselves in the plant.

The Switching Supervisor is responsible for the connections being performed in such a way that this does not cause danger of injury to life, health and property (§ 11).

4.2 (Dis-)connections

The Switching Supervisor is responsible for ensuring that connections are carried out in a way which poses no risk to life, health and material assets (§ 11).

When (dis-)connections is not possible to do remotely from the dispatch centre, Switching Assistant shall, on behalf of the Switching Supervisor ensure that (dis-)connections and safeguards are carried out safely so that this does not involve a risk of damage to life, health and property. The Switching Assistant shall write down the order of connections to be made and repeat it to The Switching Supervisor. The Switching Supervisor gives the (dis-)connection order to be executed and reported by The Switching Assistant.

Manually voltage testing at disconnected point, manually earthing and local (dis-)connection of switches, including circuit breakers, should only take place after a risk assessment and completion of SJA form. This includes manual synchronizing of a circuit breaker. There shall always be at least 2 persons present when performing these activities.


- (Dis-)connections can be performed based on direct verbal orders from The Switching Supervisor.
- When (dis-)connecting multiple switches in sequence Switching Assistant shall write down (dis-)connections before they are carried out.
- The approved Switching Assistant must keep him-/herself updated on changes in security provisions and attend the annual security training courses, first aid courses and instructions review in accordance with guidelines for electrical safety.

5 TRAINING

The Switching Assistant shall receive training in FSE, plant structure and function.

Switching Assistant shall be familiar with each switch's operation and function, including breaking capacity, voltage and insulation medium.

In addition, Switching Assistant must have good knowledge of the instructions itself, as well as mandatory training.

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Power plant manager / Local Manager shall ensure that training is in accordance with Operations Manager's instructions, procedures, policies and FSE.

Training shall be documented in the Company's internal control system.