

GCB / VCB School

AGENDA

Day 1: (Classroom Training)

Introduction of HVB and Products and Services

- Breaker Fundamentals
- Breaker Safety
- Interrupter Theory
- Interrupter Design
- Principle of Operation
- Mechanism overview
- Electrical Controls
- Alarms and lockouts

Day 2: (Classroom and Factory training)

Breaker Installation Procedures

- SF₆ Properties
- SF₆ by-products
- SF₆ handling (vacuum and filling)
- Lifting the breaker
- Foundation mounting
- Breaker testing

Maintenance Schedules

- Interrupter Inspection
- Mechanism Inspection (Spring/Spring VCB 72.5kV - HS 245kV)
- Mechanism Inspection (Pneumatic/Spring HPI 362kV)
- Mechanism inspection (Hydraulic HHI 362kV)

Day 3: (Factory Training and Tour)

Factory Tour

- Puffer interrupter assemble removal and reassemble
- Pilot Charging Valve rebuild (HPI 362kV)
- Interrupter assemble overview (VCB 72.5kV, HS 145kV, HS 245kV, HHI 362kV) at breaker side
- Bushing Installation (HS 145kV, HS 245kV, HPI/HHI 362kV)