Arrester Selection Process

1. Select Arrester Type

2. Select Arrester AC Rating

3. Check Margin of Protection

4. Check Energy Handling

5. Check Failure Mode

6. Select and Check Mounting

Arrester Is Selected

System Parameters:
- Arrester Location
- System Voltages and Neutral Configuration
- BIL, BSL, CWW, CFO
- Lightning Intensity and Switching Surge Energy
- System Fault Current Availability and Post BIL
- Installation Parameters Clearances, Cantilever Separation Distance, Lead Length

Arrester Parameters:
- Arrester Types
- Arrester MCOV and TOV Capability
- FOW, LPL, SPL Lead Length
- TLD, High Current Short Duration Capability
- Arrester Short Circuit Capability and Disconnector Operation
- Arrester Creep, Strike, Margin of Protection Re-check