**Method Statement for Dismantling Escalators and Elevator**

**1. Introduction**

* Objective: Safe and efficient dismantling of four escalators and one elevator.
* Scope: Includes planning, preparation, dismantling, and disposal or recycling of materials.

**2. Personnel**

* Project Manager: Oversees the operation, ensuring safety and compliance.
* Qualified Technicians: Perform the dismantling work, experienced in escalator and elevator systems.
* Safety Officer: Monitors compliance with safety protocols.
* Logistic Support: Handles the transport and disposal of dismantled materials.

**3. Equipment and Tools**

* Personal Protective Equipment (PPE): Hard hats, safety glasses, gloves, safety shoes, and high-visibility clothing.
* Tools: Wrenches, screwdrivers, hammers, cutting tools, and hydraulic lifts.
* Safety Equipment: Barricades, warning signs, fire extinguishers, and first aid kits.

**4. Procedure**

* Preparation:
  + Conduct a site survey to assess the layout and identify any potential hazards.
  + Isolate the power supply to the escalators and elevator.
  + Erect safety barriers and signage to restrict access to the work area.
* **Dismantling Process:**
  + Start with the top components and gradually work downwards.
  + Carefully disconnect and remove electrical components.
  + Dismantle mechanical parts, beginning with the removal of side panels, handrails, steps (for escalators), and doors (for the elevator).
  + Proceed to dismantle the truss/frame and other structural components.
  + Use hydraulic lifts or hoists to safely lower heavy components.
  + Sort materials for recycling or disposal, ensuring hazardous materials are handled appropriately.
* **Post-Dismantling:**
  + Clear the area of all debris and materials.
  + Conduct a final inspection to ensure the site is safe and secure.

5. **Health and Safety**

* Follow all local regulations and standards for safe working practices.
* Ensure all personnel are trained in emergency procedures.
* Conduct regular safety briefings and inspections throughout the project.

**Risk Assessment for Dismantling Escalators and Elevator**

**1. Falls from Height**

* Risk Level: High
* Mitigation: Use harnesses where necessary, ensure guardrails are in place, and limit access to authorized personnel only.

**2. Electrical Hazards**

* Risk Level: High
* Mitigation: Isolate power supply before starting work, use lockout-tagout procedures, and ensure workers are trained in electrical safety.

**3. Injury from Falling Objects**

* Risk Level: Medium
* Mitigation: Use safety nets and toe boards, mandate hard hats in the work area, and secure loose materials and tools.

**4. Cuts and Abrasions**

* Risk Level: Medium
* Mitigation: Provide appropriate PPE, ensure tools are used correctly and maintained, and train staff in safe handling of sharp objects.

**5. Noise**

* Risk Level: Medium
* Mitigation: Use noise-cancelling earmuffs or earplugs, limit exposure time, and implement quiet work procedures where possible.

**6. Manual Handling Injuries**

* Risk Level: Medium
* Mitigation: Use mechanical aids for lifting and moving heavy objects, train workers in manual handling techniques, and promote teamwork.

**7. Hazardous Materials**

* Risk Level: Medium
* Mitigation: Identify and label hazardous materials, provide appropriate PPE, and train workers in handling and disposal procedures.