

JOB ROLE – UNARMED SECURITY GUARD

Sector – Security
(Qualification Pack Code: MEP/Q7101)



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UNIT 3: INTRODUCTION TO ARMS AND IMPROVISED EXPLOSIVE DEVICE

Session 3: Security Equipment for Unarmed Security Guard

Content

Title	Slide No.
Session Objectives	4
Introduction	5
Personal Protective Equipment	6-14
Electronic Security Systems	15-21
Summary	22

Session Objectives

The students will be able to:

- ❑ Identify the Personal Protective Equipment (PPE) used by an Unarmed Security Guard;
- ❑ Describe the purpose and benefits of the various PPE;
- ❑ Identify the electronic equipment used for security; and
- ❑ Describe the use and applications of various electronic equipment and systems.

Introduction

Every job requires some kind of equipment, which helps in carrying out the job responsibilities in a smooth and effective manner. An Unarmed Security Guard also requires certain equipment to perform duties effectively. It is a main source of protection from physical, chemical and biological hazards. The main protective equipment includes respirators, eye protection glasses, gloves, hearing protection and protective clothing or uniform, but it changes with the profession and type of hazards. Besides these, a security personnel should be aware of the uses and applications of the various electronic equipment and systems.

Personal Protective Equipment

Uniform: It is one of the Personal Protective Equipment (PPE) that the Unarmed Security Guard must wear regularly. High and unique visibility clothing enhances the security guard's visibility. It helps in staying safe and alert.



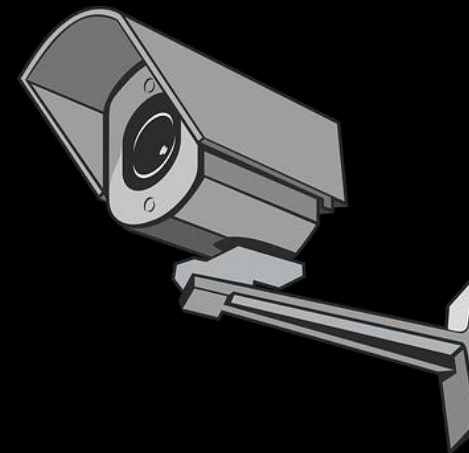
Personal Protective Equipment

Torch: A torch is an essential equipment for the security guard. It helps the guard find the way or locate something or someone at night, and when s/he is working in a dark area during the day.



Personal Protective Equipment

Digital Camera: If surveillance camera or CCTV systems are absent, a digital camera or smartphone camera can be useful during patrol. Digital camera can be used for recording events, take pictures of people, articles and events. They are, especially, helpful in detecting a crime as they record all suspicious movements, activities and packages.



Personal Protective Equipment

Two-way Radio: Vehicular escorts and security guards always carry a two-way radio, which is important for communication with the control room or other security guards.



Personal Protective Equipment

Mobile Phone or Telephone:

Cell phone or mobile phone and telephone are important to make a call at any time. For example, when a visitor comes, the security guard can call the concerned person using the mobile phone or telephone and seek permission to send the visitor in.



Personal Protective Equipment

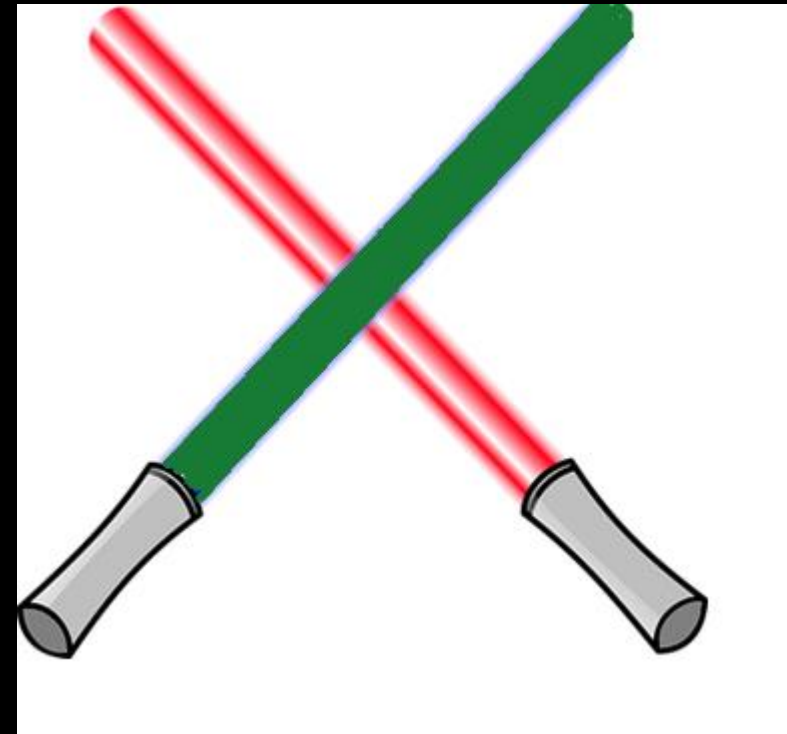
Security Guard Baton:

Batons are used by security guards to protect themselves. The presence of baton in the belt of a security guard is enough to make sure that things stay calm.



Personal Protective Equipment

Traffic baton: Traffic baton with red and green lights are used to attract the attention of drivers to control traffic.



Personal Protective Equipment

Megaphone (mobile public address system): A Public Address (PA) system is a powerful tool used for addressing large gatherings, especially during emergencies.



Personal Protective Equipment

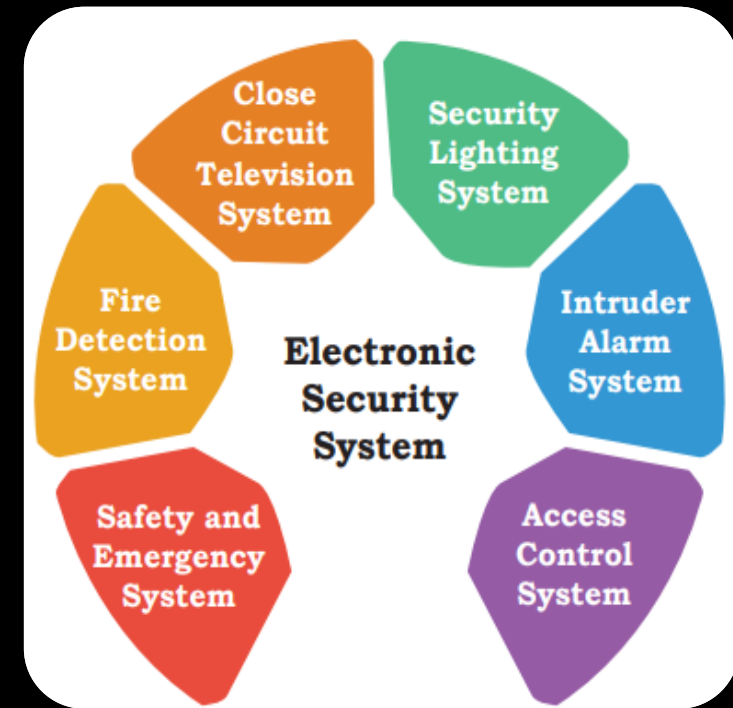
Register, Notepad and Pen: Security guards need to make notes during patrol. They are required to observe and maintain a record of who enters and exits a site. The security guard must record an individual's name and the person's time of entrance and exit from a site, and also her/his address and phone number. The information obtained will be useful to locate visitors, in the event of an emergency, or at a later time after they have left. The information can also be used as evidence in court in future.



Electronic Security Systems

Major categories of electronic security systems that we will study are as follows:

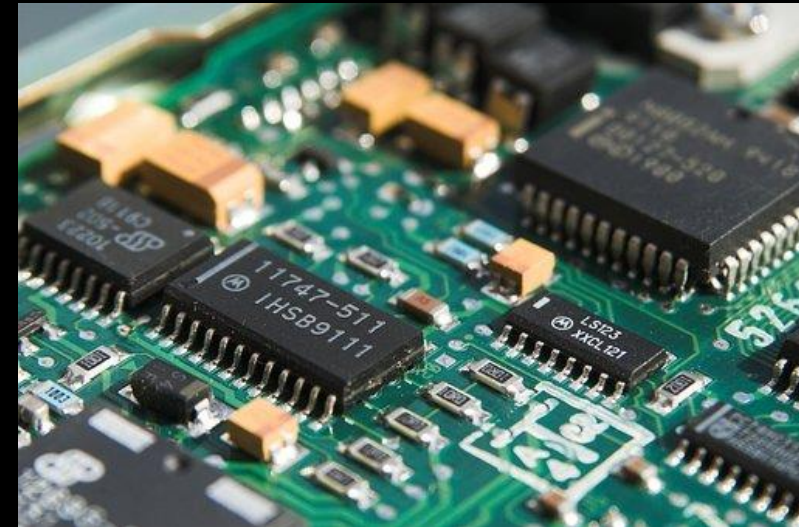
- (i) Intruder Alarm System
- (ii) Close Circuit Television (CCTV) System
- (iii) Access Control System
- (iv) Security Lighting System
- (v) Fire Detection System
- (vi) Safety and Emergency System



Electronic Security Systems

Intruder Alarm Systems: Alarm systems detect the presence of people, who try to gain unauthorised access to a place. The principal components of an intruder alarm system are as follows:

- (i) Control unit (panel, remote keypad)
- (ii) Detection devices (heat, noise and motion detectors, peripheral sensors)
- (iii) On-site sounders (bell, siren)
- (iv) Signaling devices (digital, radio communicator)



Electronic Security Systems

Close Circuit Television (CCTV) system: CCTV system uses cameras, video recorders and monitors to carry out surveillance on a protected area. The principal components of a CCTV system are as follows:

- (i) Camera or lens
- (ii) Monitor
- (iii) Video recorder
- (iv) Cable



Electronic Security Systems

Access Control System: A **Proximity Card Reader** is an example of an electronic access control system. The proximity technology reader continuously emits a Radio Frequency (RF) signal, which energises the electronic identity card of an authorised person. As soon as the card is at a particular distance from the reader, the RF signal is detected by the card reader and a unique identification code is transmitted to the reader and the system. After the unique code is verified by the card reader, the door automatically gets unlocked.



Electronic Security Systems

Security Lighting System: The principal components of security lighting system are as follows:

- (i) **Power source:** The power source is, normally, from the direct mains. However, inverters and generators may be installed for emergency backup.
- (ii) **Cabling:** It must be done to suit the anticipated power load.



Electronic Security Systems

Security Lighting System

(iii) **Mounting:** It can be mounted on a building or a free-standing pole or mast.

(iv) **Switch:** Examples are wall switch, timer, light sensor or motion detector.

(v) **Lens:** These are used to determine the spread of light.

(vi) **Casing:** It is used to house and protect an illuminant, fixtures and reflector from damage.

Electronic Security Systems

Fire Detection System: It helps in detecting a fire in a building. The principal components of a fire detection system are as follows:

- (i) Control unit
- (ii) Detection devices for smoke, heat, etc.
- (iii) Warning bells or sirens
- (iv) Equipment, which sends signal to alert a monitoring centre
- (v) Cabling to suit the environment and risks



Summary

Security guards should have the training to understand workplace hazards and know how to protect themselves from hazardous materials, including the use of Personal Protective Equipment (PPE). PPE, refers to a large group of products designed to protect workers from workplace hazards. In this session, you have learnt about the personal protective equipment which are used by the unarmed security guards. You have also learnt about the electronic equipment and systems that are used for the security.

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