



The Signal and Control Systems Engineer's Department

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Standard

SCS-ST-0012-A4

Intruder detection systems

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1. Scope

(Nc)

This standard defines the technical performance requirements of intruder detection systems for use at properties used by London Underground Limited. (Nc)

2. References

(Nc)

The text of this document cites other documents that provide information or guidance. These are listed in attachment 1. References are made to the latest editions unless specific editions are cited in the text. Where references are made to engineering standards documents which are in the course of preparation, existing documents shall be followed until such new documents have been authorised for use. (Nc)

3. Abbreviations

(Nc)

The following special abbreviations are used in this document.

BABT	British Approvals Board for Telecommunications
CCITT	International Telecommunications Consultative Committee
CCTV	Closed circuit television
IT	Information technology
LED	Light emitting diode
LUL	London Underground Limited
MTBF	Mean time between failures
MTTR	Mean time to repair
VDT	Video display terminal

(Nc)

4. Definitions

(Nc)

4.1 Terms defined by The Signal & Control Systems Engineer's Department are given in SCS-DEP-103-PR. (Nc)

4.2 The following terms originate from this document.

Engineering standards documents - The collective term used in this standard to mean standards, specifications, procedures and work instructions. (Nc)

Hostile movement - The movement of an unauthorised person within a protected area or zone. (Nc)

Natural movement - The movement of an authorised person within a protected area or zone who has obtained access via the control system or has made other arrangements with the site operator (Nc)

Protection zone - The parts of a depot, siding or stabling area (usually an entrance or exit) which is provided with protection against hostile movement through using an intruder detection system. (Nc)

Engineer - The Signal & Control Systems Engineer. (Nc)

Section 12 - Stations deemed to be underground, as defined in engineering instruction 6000/EI/039, and subject to the precautions dictated in the 1989 amendment to the Fire Precautions Act (1971). (Nc)

5. Introduction

(Cat 1)

5.1 Intruder detection systems may be used to protect property used by LUL from unauthorised access and may consist of sub-systems including: (Cat 1)