

BS 8590:2014



BSI Standards Publication

# Code of practice for the installation of audio visual equipment

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### Summary of pages

This document comprises a front cover, an inside front cover, pages i to ii, pages 1 to 12, an inside back cover and a back cover.

## Foreword

### Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 January 2014. It was prepared by Technical Committee EPL/100, *Audio, video and multimedia systems and equipment*. A list of organizations represented on this committee can be obtained on request to its secretary.

### Supersession

This British Standard supersedes PAS 122:2009, which is withdrawn.

### Information about this document

This is a full revision of the standard, and introduces the following principal changes:

- the scope of the document has been broadened to cover all audio visual installations in all market sectors;
- the scope has been refined to focus on installation;
- the text has been updated to take account of current market conditions and changes in technology.

This British Standard provides recommendations for the installation of audio visual (AV) equipment. It is intended for AV and electrical installers to enable them to ensure the quality and standard of installations.

### Use of this document

As a code of practice, this British Standard takes the form of guidance and recommendations. It should not be quoted as if it were a specification and particular care should be taken to ensure that claims of compliance are not misleading.

Any user claiming compliance with this British Standard is expected to be able to justify any course of action that deviates from its recommendations.

It has been assumed in the preparation of this British Standard that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

### Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its recommendations are expressed in sentences in which the principal auxiliary verb is "should".

*Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.*

### Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a British Standard cannot confer immunity from legal obligations.**

## 1 Scope

This British Standard gives recommendations for the installation of audio visual (AV) systems and equipment at site survey, design, installation and commissioning stages.

*NOTE Information on installing sound systems can be found in BS 6259. Information on installing induction loop systems can be found in BS 7594.*

It does not give recommendations for the training of installation technicians. It does not cover the specification of individual components nor their performance as an installed system.

It is applicable to installations including a significant AV component, such as, but not limited to, computers, projectors, whiteboards, large format displays, monitors, loudspeakers (both wall and ceiling mounted) and light arrays.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

### Standards publications

BS 1129, *Specification for portable timber ladders, steps, trestles and lightweight stagings*

BS 2037, *Specification for portable aluminium ladders, steps, trestles and lightweight stagings*

BS 5499-10, *Safety signs, including fire safety signs – Part 10: Code of practice for the use of safety signs, including fire safety signs*

BS 7594, *Code of practice for audio-frequency induction-loop systems (AFILS)*

BS 7671, *Requirements for electrical installations. IET Wiring Regulations*

BS 8437, *Code of practice for selection, use and maintenance of personal fall protection systems and equipment for use in the workplace*

BS EN 131-1, *Ladders – Part 1: Terms, types, functional sizes*

BS EN 60065, *Audio, video and similar electronic apparatus – Safety requirements*

ISO/IEC 11801, *Information technology – Generic cabling for customer premises*

PAS 250, *Low-level work platform with one working platform with side protection for use by one person with a maximum working platform height of less than 2.5 m – Specification*

### Other publications

[N1] THE INSTITUTION OF ENGINEERING AND TECHNOLOGY. *Code of Practice for In-service Inspection and Testing of Electrical Equipment (4<sup>th</sup> edition)*. London: The IET, 2012