Introduction

1. Harmonised European Standards for Personal Protective Equipment (PPE) have been developed as the preferred means of demonstrating equipment conformity with the basic health and safety requirements (BHSRs) of the EC Personal Protective Equipment Directive (89/686/EEC). Only equipment which meets these BHSRs is entitled to carry the CE mark and to be sold for use in the EC.

2. The alternative route to obtaining the CE mark involves the manufacturer producing a 'technical file' for the equipment which also demonstrates that it satisfies the BHSRs. In such cases, the equipment will carry the CE mark but may not display any Standard number. The manufacturer's information will contain the performance specification.

3. For Category III PPE (for use against “mortal danger”), the CE mark will be accompanied by a four-digit code number identifying the responsible Notified Body appointed to ensure that the manufactured product continues to satisfy the BHSRs.

4. Increasingly, European Standards (prefixed EN – European Norm) are being superseded or subsumed by International Standards (prefixed ISO). Where these are adopted in the UK, they will also be issued as British Standards and be prefixed BS. The British versions of standards (BS EN, BS ISO or BS EN ISO) may have minor differences from the original versions of the standard, usually in the form of a National Foreword or National Annex, to account for legislative or technical variations specific to the UK. If such a UK variation exists, this is flagged up in the attached listings below for the individual standards. BS versions may also differ slightly in the stated year of issue from the EN or ISO versions; the original EN or ISO issue dates are quoted here.

5. The Standards may contain design, performance and marking requirements for the different types of equipment. This document lists the Standards, and gives a brief explanation of the markings which they define.

Organisation of the information

6. PPE Standards are separated into broad categories, depending on the type of protection intended, eg head protection, foot protection. Separate documents have been produced for each category.
Within a category, where possible, Standards have been further subdivided according to the hazard (eg mechanical hazards, heat and flame) or component type (eg filters; facepieces) as appropriate. Both current and recently superseded versions are listed, as equipment marked according to either version may be encountered in the field.

Standard number and date are given, with the title (sometimes abridged).

If a UK National variation applies to this standard, the nature of this variation is described.

Markings and classifications defined in the Standard for that class of equipment are listed and briefly described.

Related Standards, eg specific test methods which will not usually appear in the markings on equipment are listed separately at the end of each document.

Pictograms and symbols for each type of equipment are included at the rear of the relevant document.

Updates

Standards are constantly under review, and new Standards issued. The information in this document is believed to be correct at the time of issue, but updates will be necessary. The intention is to revise and re-issue the list periodically.

Further information

For information on how the various performance levels and classifications are assessed, and their relevance to practical use situations, contact:

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Standards for hearing protection

**EN 352-1: 2002 - Hearing protectors - Ear muffs**

In addition to the Standard number, maker and model identification:
- indication of orientation of the ear muff, where required, eg 'TOP' and/or 'LEFT' and 'RIGHT'

**EN 352-2:2002 - Hearing protectors - Ear plugs**

Markings may only appear on the packaging. In addition to the Standard number, maker and model identification:
- whether disposable or re-useable
- fitting instructions
- nominal size of formable plugs, in range 5 to 14 mm.
- Left-right differentiation for custom moulded plugs

**EN 352-3:2002 - Hearing protectors - Ear muffs attached to a safety helmet**

In addition to the Standard number, maker and model identification:
- indication of orientation of the ear muff, where required, eg 'TOP' and/or 'LEFT' and 'RIGHT'

**EN 352-4:2001 - Hearing protectors - Ear muffs attached to a safety helmet**

As for EN 352-1

**EN 352-5:2002 - Hearing protectors – Active noise reduction ear muffs**

As for EN 352-1

**EN 352-6:2002 - Hearing protectors - Ear muffs with electrical audio input**

As for EN 352-1

**EN 352-7:2002 - Hearing protectors – level dependent ear plugs**

As for EN 352-2

**EN 352-8:2008 - Hearing protectors – entertainment audio earmuffs**

As for EN 352-2

Other standards relevant to hearing protection

Occupational equipment is unlikely to be marked with these Standard numbers, but they may contain useful information on equipment performance or test methods.

**EN 458:2004**

Hearing protectors- Selection, use, care and maintenance

**EN ISO 4869-2:1995**

Estimation of effective A-weighted sound pressure levels when hearing protectors are worn

**EN ISO 4869-4:2000**

Acoustics - Hearing protectors - Part 4: Measurement of effective sound pressure levels for level-dependent sound-restoration ear-muffs

**EN 13819-1:2002**

Hearing protectors – Testing - Physical test methods

**EN 13819-2:2002**

Hearing protectors – Testing - Acoustic test methods

**EN 24869-1:1992**

Sound attenuation of hearing protectors. Subjective method of measurement

**EN 24869-3:1993**

Simplified method for measurement of insertion loss of ear muffs