

On Stream

Autumn 2008



Welcome to *On Stream*, the newsletter from Fountain Safety Solutions Ltd in which we feature compliance issues and health & safety legislation as well as forthcoming events.

New Machinery Directive

The new Machinery Directive comes into force on 29th December 2009. Most of the changes to the Essential Health and Safety Requirements are of a minor nature, and in most cases, if the equipment complies with the applicable harmonised standards, then it will comply with the new Directive.

There are a few changes to the Essential Health and Safety Requirements which are stated below:

- Partially completed machinery is now included
- It has more prescriptive requirements for handling equipment
- Ergonomics is now introduced, both in terms of physical and psychological stress
- Control systems are covered in greater detail which includes effects of failure of both hardware and software
- Uncontrolled movements must be prevented where this could lead to a hazard
- Requirements for instructions are more detailed
- Sales literature must not contradict health and safety aspects
- The fixing system of fixed guards must remain attached to the guards or to the machinery when the guards are removed
- Interlocked guards cannot be unintentionally adjusted
- Lightning protection is introduced
- Machinery for pharmaceutical products and cosmetics now has special requirements

Another notable point is the new directive will exclude electrical equipment with moving parts which is intended for office and domestic use, such as photocopiers, food processors, etc. since this type of equipment is covered by the low voltage directive.

In reality, many of the standards published in recent years address the new requirements of the new directive. For example, EN ISO 12100 covers ergonomics and control systems in greater detail than its predecessor EN 292.

Contact Darren Gibson (dgibson@fountainsafety.com) for further information and guidance.

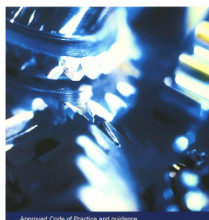
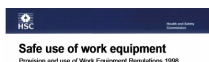
What Standards Apply To My Equipment?



Identifying what standards apply to your equipment can sometimes be a bit of a challenge. The website www.newapproach.org/Directives/DirectiveList.asp lists the standards that are harmonised to each of the New Approach Directives. Many of the listings can be viewed in pdf format and searched by entering a keyword.

In reality, nearly all equipment that is CE marked will have an applicable EN standard. If no product specific standard exists, it is likely to be covered by a generic safety standard such as EN ISO 12100 for machinery or EN 60335-1 for domestic electrical equipment.

Our new webpage www.fountainsafety.com/findingstandards.html contains links to organisations who supply standards. Their websites allow you to search by keyword and preview the standard before deciding whether to purchase the standard.



New PUWER ACOP Published

The Health and Safety Commission have published a new Approved Code of Practice for the Provision and Use of Work Equipment Regulations 1998. The new ACOP is a general tidy-up of its predecessor and the actual regulations have not changed; guidance note 203 referring to CE marking of equipment states that equipment must now be checked for obvious faults and that the user should make sure that adequate operating instructions have been supplied with the equipment.

Two Training Courses This November



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We will be holding two training courses at our premises in South Shields this November. On Tuesday November 4th, we will be holding a one-day course in Health and Safety for Small and Medium Sized Manufacturing Businesses and on Wednesday 5th November, we will be holding a one-day course in the DSEAR and ATEX Directive. For further details, please see our webpage, www.fountainsafety.com/events.html.

Fountain Safety Solutions are Endorsed Training Providers of The Institution of Engineering and Technology (IET). Training courses can be held on site or at our premises. We can also tailor courses to meet your requirements.

The Institution of Engineering and Technology is Europe's largest professional engineering organisation with more than 150,000 members worldwide. It represents the profession of electrical, electronic, IT, manufacturing, power and systems engineering, and related sciences. Members range from students to leading figures in industry, research and education.

Machinery Safety Seminar for Productivity North East

On Wednesday 22nd October, will be presenting an afternoon session on the Machinery Directive and CE Marking at Chester-le-Street Civic Centre. The cost is £75 per person for Productivity North East Members. Please contact us for more details or to reserve a place call Frank Chambers on 0191 2364150 or 07790 831770, or send an e-mail booking to pne@talktalk.net.

Standards Update

We have listed a selection of standards that are harmonised to the Machinery Directive that have recently been published in the Official Journal of the European Union.

EN ISO 14121-1: 2007, Safety of Machinery, Risk Assessment is a new type A standard which replaces EN 1050. It is more detailed than its predecessor, particularly in the identification of hazards and determination of the limits of the machine. It also correlates with EN ISO 12100-2: 2003.

EN ISO 13857: 2008, Safety of Machinery, Safety Distances to Prevent Hazard Zones Being Reached By The Upper and Lower Limbs is a new type B1 standard. It replaces and combines EN 294 and EN 811 which dealt with reachable distances by the upper limbs and lower limbs respectively. The principles, tabulated data and safety distances remain unchanged.

EN ISO 14159: 2008, Safety of Machinery, Hygiene Requirements for the Design of Machinery is a new type B1 standard. It should be applied to machinery used in pharmaceutical, cosmetic and food applications.

EN 61310 series: 2008, Safety of Machinery, Indication, Marking and Actuation is a new type B1 standard. It specifies the requirements for visual, acoustic and tactile methods for indicating safety-related information, at the human-machine interface and to exposed persons.

EN 415-8: 2008, Safety of Packaging Machines—Strapping Machines a new type C standard harmonised to the Machinery Directive.

Our New Look Website

We have recently upgraded our website, www.fountainsafety.com. The website now contains more information on

- Safety Critical Systems and Control System Safety
- DSEAR and the ATEX Directive
- CE Marking
- Management of Health and Safety

Additionally, details of our training courses can now be downloaded in pdf format. The website will be expanded over the coming months to include more detailed information on topics such as machinery safety, EMC, reliability and risk assessment. Please feel free to bookmark the website and check back for the updates.

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