



Maritime &  
Coastguard  
Agency

Consultation Document:

MSN 1870 (M+F) Amendment 1

The Merchant Shipping and Fishing Vessels  
(Personal Protective Equipment) Regulations  
1999

May 2019

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## Section 1: Overview of this consultation

### Aim

- 1.1. This consultation seeks your views on the updated references contained within Annex A of this consultation on standards for personal protective equipment (PPE).

### Views sought

- 1.2. Your views are sought on the proposed changes to standards in: MSN 1870 (M+F) Amendment 1, Annex 1 (at Annex B), listed for ease of reference at Annex A.
- 1.3. The consultation questions are contained in Section 5 of this consultation.

### Deadline for responses

- 1.4. Responses are welcomed from 24/05/2019 until 19/07/2019.

## Section 2: Areas for consideration

### Background

- 2.1 MSN 1870 (M+F) Amendment 1, provides updated safety standards applicable to Personal Protective Equipment (PPE) covered by the Merchant Shipping and Fishing Vessels (Personal Protective Equipment) Regulations 1999, (S.I. 199/2205) (“the PPE Regulations”).
  - 2.1.1 This notice also reflects the Merchant Shipping (Maritime Labour Convention) (Health and Safety) (Amendment) Regulations (S.I. 2014/1616) (“the MLC Health and Safety amendments”) and the Merchant Shipping (Work in Fishing Convention) (Consequential and Minor Amendments) Regulations (S.I. 2018/1109) (the “Work in Fishing Consequential Amendments”).
  - 2.1.2 MSN 1870 (M+F) took into account the MLC Health and Safety amendments, which do not apply to fishing vessels and extended the duties to protect “workers” in health and safety legislation, including the PPE regulations, so that they protect all seafarers, regardless of their employment status, and duties on employers also apply to shipowners.
  - 2.1.3 On 31 December 2018, the Work in Fishing Consequential Amendments came into force and further extended the protection of health and safety legislation to fishermen regardless of their employment status and applied the duties on employers also to fishing vessel owners. References in this notice to “shipowners and employers” and “seafarers and other workers” therefore now include fishing vessel owners and all fishermen, regardless of their employment status.



## Proposed Changes

- 2.2 Annex A to this consultation, provides a list of the changes within MSN 1870 (M+F) Amendment 1, Annex 1 - the Standards of Personal Protective Equipment (PPE). The full revised MSN (with highlighted changes to the text) is at Annex B.

## Summary of Options and Recommendations

- 2.3 The requirements to supply and use PPE which meets current standards remain unchanged. As the changes are only updating the current list of PPE to reflect the latest standard, there are no costs associated with the updates.
- 2.4 In addition, the MSN now applies to fishing vessel owners and fishermen who are not workers as well as to employers and workers on fishing vessels. However, this reflects a change to Regulation which has already taken place and for which an Impact Assessment was prepared.
- 2.4.1 As there are no costs associated with the publication of this revised MSN no impact assessment has been prepared.

## Supporting Information

- 2.5 The current PPE standards within MSN 1870 Amendment 1, Annex 1 were obtained from the EU Commission website outlining the harmonised standards, and the British Standards Institute.

## Section 3: Responding to this consultation

- 3.1. There are specific questions highlighted in section 5 of this document and information on how to respond to this consultation document.

### Consultees

- 3.2. Anyone may respond to this consultation and consideration will be given to all responses.

### Duration

- 3.3. This consultation is open for 8 weeks from 24/05/2019. The deadline for responses is 19/07/2019.

### Submitting your response

- 3.4. Consultation responses should be emailed to [mlc@mcga.gov.uk](mailto:mlc@mcga.gov.uk). Any questions should be sent to this email address.
- 3.5. When responding, representative groups are asked to give a summary of the people and organisations they represent, and where relevant who else they have consulted in reaching their conclusions.



## Freedom of Information

- 3.6. Information provided in response to this consultation, including personal information, may be subject to publication or disclosure in accordance with the Freedom of Information Act 2000 (FOIA) or the Environmental Information Regulations 2004.
- 3.7. If you want the information that you provide to be treated as confidential, please be aware that, under the FOIA, there is a statutory Code of Practice with which public authorities must comply and which deals, amongst other things, with obligations of confidence.
- 3.8. In view of this it would be helpful if you could explain to us why you regard the information you have provided as confidential. If we receive a request for disclosure of the information we will take full account of your explanation, but we cannot give an assurance that confidentiality can be maintained in all circumstances. An automatic confidentiality disclaimer generated by your IT system will not, of itself, be regarded as binding on the Department/MCA.
- 3.9. The MCA will process your personal data in accordance with the data protection framework and, in the majority of circumstances, this will mean that your personal data will not be disclosed to third parties.

## Data Protection

- 3.10. The MCA is carrying out this consultation to gather evidence. The consultation is being carried out in the public interest to inform the development of policy.
- 3.11. The MCA will use your contact details to send you information about the consultation, for example if we need to ask follow-up questions, as part of its functions as a government department. Your information will be kept secure and will not be used for any other purpose without your permission.
- 3.12. To find out more about how the MCA looks after personal data, your rights, and how to contact our data protection officer, please go to:

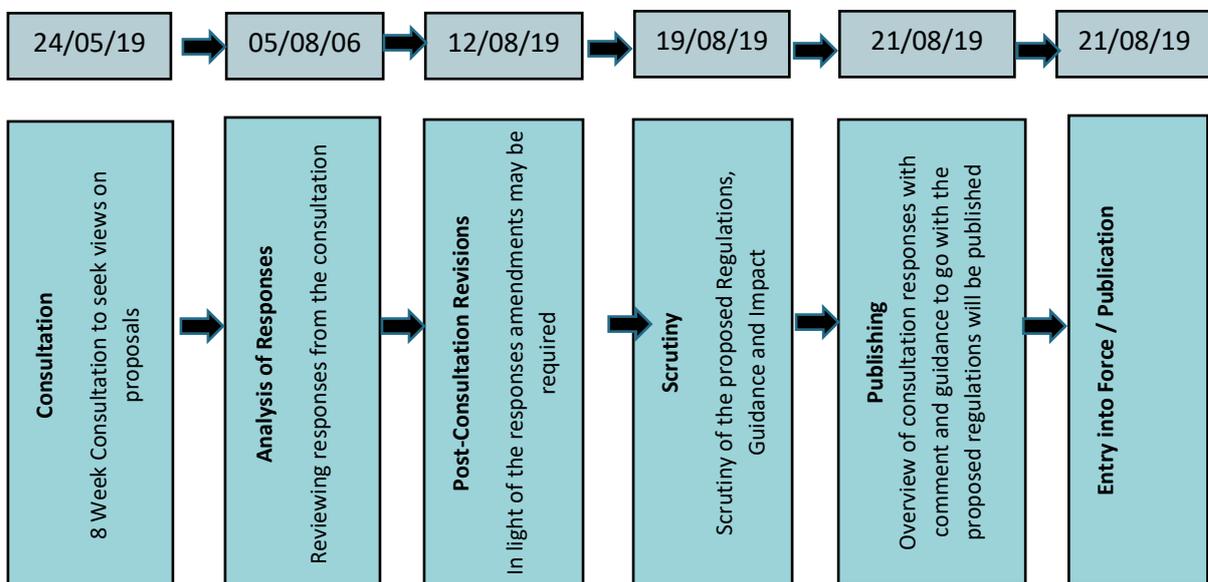
<https://www.gov.uk/government/organisations/maritime-and-coastguard-agency/about/personal-information-charter>

If you do not wish to remain on this list, please reply and let us know.



## Section 4: Outline of plans beyond this consultation

- 4.1. Once this consultation closes we will review all responses. In considering the responses we will apply appropriate weight to those from organisations and individuals with specialist knowledge of the subject area.
- 4.2. We will be analysing the responses during July/August 2019. Our aim is to publish an overview of the responses and the MCA's comments by 21/08/2019, which will be available from: [www.gov.uk/government/publications](http://www.gov.uk/government/publications)
- 4.3. Where appropriate the draft Guidance, accompanying guidance and impact assessment will be revised to take into consideration the consultation responses.
- 4.4. Our aim is for the MSN 1870 (M+F) Amendment 1 to come into force on 21/08/2019, when it will be published on [www.gov.uk](http://www.gov.uk)
- 4.5. An overview timetable is below for reference:



## Section 5: Response form

What is your name? \_\_\_\_\_

What is your email address? \_\_\_\_\_

What is your job title? \_\_\_\_\_

**When responding please state whether you are responding as an individual or representing the views of an organisation:**

- I am responding as an individual
- I am responding on behalf of an organisation

(name of organisation) \_\_\_\_\_

**Please check the box that best describes you as a respondent and the size of your organisation:**

### Respondent Type

- Classification Society
- Government Agency/Department
- Individual
- Legal representative
- Protection & Indemnity
- Seafarer
- Ship Operator
- Ship Owner
- Trade Union
- Other

### Size of Organisation

- Large business (over 250 staff)
- Medium business (50 to 250 staff)
- Micro business (up to 9 staff)
- Small business (10 to 49 staff)

(please describe) \_\_\_\_\_



## Section 5.1 Consultation Questions

1. Please review Annexes A (recent adjustments to PPE standards) and B (MSN 1870 Amendment 1 (changes highlighted) of this consultation, which reflects these changes and updated legislative references.
2. Outline your comment/s on Annex's A and B, by completing (sections 5) response form and (section 5.2), with reference to which Annex you are discussing, highlight or copy relevant sections, ensuring paragraph numbers are noted.

## Section 5.2

Do you have any additional comments to add to the response?

Please return completed response forms to [mlc@mcga.gov.uk](mailto:mlc@mcga.gov.uk)

Alternatively responses may be posted to:

Seafarer Safety and Health Branch  
Maritime and Coastguard Agency  
Bay 2/17  
Spring Place  
105 Commercial Road  
Southampton  
SO15 1EG



## Section 6: Conduct of this consultation

6.1. This consultation has been conducted in accordance with the Cabinet Office Consultation Principles.

### Consultation principles

6.2. The Cabinet Office Consultation Principles can be found at:

[20160111\\_Consultation\\_principles\\_final.pdf](#)

### Feedback on conduct of consultation

6.3. If you have any comments regarding the conduct of this consultation, please contact the Consultation Co-ordinator at [consultation.coordinator@mcga.gov.uk](mailto:consultation.coordinator@mcga.gov.uk).

6.4. We are continually trying to improve the way in which we conduct consultations and appreciate your views. We would be grateful if you could complete and return the attached feedback form. These should be submitted to the Consultation Co-ordinator and are not affected by the deadline for this consultation.

6.5. If you require this consultation in an alternative format, please contact either the Consultation Co-ordinator or the named official conducting this consultation.



## **MCA CONSULTATION FEEDBACK FORM**

1. Please indicate on which Consultation you are providing feedback:

.....

2a. Please indicate whether you are responding on behalf of:

- Yourself as an Individual
- A Trade Association
- A Company
- A Government Organisation
- A Trade Union
- Other  
(please specify) \_\_\_\_\_

2b. If you are representing a company, please indicate the size of your company:

- Micro (1-9 employees)
- Small (10-49 employees)
- Medium (50-249 employees)
- Large (250+ employees)

2c. Please indicate whether you accessed this consultation package through:

- Post
- email
- Website

3. Please rate the quality of this consultation regarding accuracy, good English and spelling:

- Very good
- Good
- Average
- Poor
- Very Poor

4. Please rate the format of the consultation presentation (layout, Annexes etc.):

- Very good
- Good
- Average
- Poor
- Very Poor



5. Please rate the consultation in terms of how clear and concise you felt it was:

- Very good
- Good
- Average
- Poor
- Very Poor

6. Did you feel that the consultation was conducted over a sufficient period of time?

- Yes
- No

7. Were any representative groups, organisations or companies not consulted who you felt should have been?

- Yes
- No

If yes, who? \_\_\_\_\_

8. Please let us have any suggestions for improvement or other comments you wish to make about this consultation below:

Thank you for your time. Please return this form to:

Consultation Co-ordinator,  
Maritime and Coastguard Agency,  
Spring Place, Bay 3/26, 105 Commercial Road  
Southampton SO15 1EG  
Or e-mail it to: [consultation.coordinator@mcga.gov.uk](mailto:consultation.coordinator@mcga.gov.uk)

If you are happy to supply your name in case we need to contact you to discuss your views further, please enter it below (this is optional, and your feedback will still be taken into account if you wish to remain anonymous):

Name \_\_\_\_\_

Tel. No. \_\_\_\_\_

**Please note that the deadline for responses to the Consultation itself does not apply to the return of this form.**



## Annex A:

### Changes noted for consultation

#### MSN 1870 Amendment 1

1. Part 4. (Page 4) – Hearing protection – MIN 548 updated to MIN 588.
  
2. Part 5. (Page 5) – Welding and Gas Cutting – removal of *‘Electric arc welding - Safety footwear to : BS 7193:1989 Specification for lined lightweight overshoes and overboots, as BSI no longer felt that the standard was relevant.*
  - BS EN ISO 11611:2015 replacing *BS EN 470-1:1995 & BS EN ISO 11611:2007*
  
3. Part 7. (Page 5)
  - BS EN 529:2005 replacing *BS 4275:1997*
  
4. Part 9. (Page 9)
  - BS EN 374-1:2016 replacing *EN 374-1:2003*
  - BS EN 374-3:2003 withdrawn
  - BS EN 374-4:2013 new reference
  - BS EN ISO 374-5:2016 new reference
  
5. Part 11 (Page 10)
  - EN 353—1:2014+A1:2017 replacing *EN 353-1:2014*
  
6. Part 13 (Page 12) - BS 921:1976 Specification. Rubber mats for electrical purposes – withdrawn as BSI advises confliction with BS EN 61111:2009
  
7. Part 14 (Page 12)
  - 20471:2013+A1:2016 replacing *BS EN ISO 20471:2013*
  
8. Part 16 (Page 12)
  - BS EN 14058:2017 replacing *BS EN 14058: 2004*





Maritime &  
Coastguard  
Agency

MERCHANT SHIPPING NOTICE

**MSN 1870 (M+F)**

**Amendment 1**

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### **The Merchant Shipping and Fishing Vessels (Personal Protective Equipment) Regulations 1999**

**Notice to all shipowners, employers, masters, seafarers, safety officers, and safety representatives**

*This notice should be read with The Merchant Shipping and Fishing Vessels (Personal Protective Equipment) Regulations 1999 (S.I. 1999/2205) and The Merchant Shipping (Maritime Labour Convention)(Health and Safety)(Amendment) Regulations 2014 (S.I.2014/1616.)*

***This notice replaces MSN 1731 (M+F) and MSN 1870 (M+F)***

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#### **Summary**

This notice provides updated safety standards applicable to Personal Protective Equipment covered by the Merchant Shipping and Fishing Vessels (Personal Protective Equipment) Regulations 1999 (S.I. 1999/2205) (“the PPE Regulations”).

This notice also reflects the Merchant Shipping (Maritime Labour Convention) (Health and Safety) (Amendment) Regulations (S.I. 2014/1616) (“the MLC Health and Safety amendments”) and the Merchant Shipping (Work in Fishing Convention) (Consequential and Minor Amendments) Regulations (S.I. 2018/1109) (the “Work in Fishing Consequential Amendments”).

MSN 1870 (M+F) took into account the MLC Health and Safety amendments, which do not apply to fishing vessels and extended the duties to protect “workers” in health and safety legislation, including the PPE regulations, so that they protect all seafarers, regardless of their employment status, and duties on employers also apply to shipowners. On 31 December 2018, the Work in Fishing Amendments came into force and further extended the protection of health and safety legislation to fishermen regardless of their employment status and applied the duties on employers also to fishing vessel owners. References in this notice to “shipowners and employers” and “seafarers and other workers”. Therefore now include fishing vessel owners and fishermen.

Annex 1 gives the design standards for personal protective equipment in use on board ships, for specified work activities and situations, in order to comply with regulation 5(2)(a) of the PPE regulations.

Amendment 1 reflects the changes in regulations since the publication of this MGN and updates the PPE standards quoted from the British Standards and EU Commissions Harmonised Standards websites.



## **1. Introduction**

- 1.1 The Merchant Shipping and Fishing Vessels (Personal Protective Equipment) Regulations 1999 (the “PPE regulations”) require shipowners and employers to ensure that personal protective equipment (PPE) is provided for seafarers and other workers who are engaged in, or at risk from a hazardous work activity on board a United Kingdom ship. They also apply to non-UK ships in UK waters.
- 1.2 The PPE regulations are subject to the general rule that use of PPE is always a last resort, to be used where risks cannot be avoided or reduced to a safe level by means of collective protection, or safe systems of work.

## **2. Provision of PPE**

- 2.1 PPE must be provided to the seafarer free of charge, except that where use of the equipment is not exclusive to the workplace, seafarers and other workers may be required to contribute towards the cost.
- 2.2 The equipment issued must be “suitable” which is defined as:
  - 2.2.1 in relation to any work process described in this Merchant Shipping Notice, of the kind and to the standard specified in this Notice, in relation to that work process;
  - 2.2.2 appropriate for the risks to which the seafarer or other worker is exposed and to the task which they are performing without itself leading to any increased risk;
  - 2.2.3 correctly fitting the seafarer or other worker, or capable of being adjusted to fit;
  - 2.2.4 taking into account ergonomic requirements and the seafarer’s or other worker’s state of health; and
  - 2.2.5 compatible with any other equipment the seafarer or other worker has to use at the same time, so that it continues to be effective against the risk.
- 2.3 Where traditionally seafarers and other workers provide or choose to supply their own PPE it must meet the appropriate standard and be used when engaged in work of the types outlined in Annex 1. This will not exempt the shipowner and/or employer from their duty to supply PPE free of charge and they will remain responsible for ensuring that seafarers and other workers are correctly equipped with suitable PPE.

## **3. Storage and Maintenance of PPE**

- 3.1 In addition, the shipowner and employer must ensure that the PPE supplied is easily accessible, properly stored and maintained, and where appropriate, instructions are available to seafarers and other workers who are required to carry out any maintenance. The equipment must be regularly inspected in accordance with the manufacturer’s instructions, and its operation checked. Respiratory protective equipment must always be checked before and after use.

## **4. Use of PPE by seafarers and other workers**

- 4.1 The shipowner and employer must ensure so far as practicable that PPE is used as instructed – e.g. that it is only used for the purpose for which it is designed, and that it is put on and worn correctly.
- 4.2 Seafarers and other workers should receive adequate and appropriate training so that they are aware of the risks against which the PPE is designed to protect them, how and when to use it, and how to look after it correctly.
- 4.3 Seafarers and other workers are required to wear and use the PPE which has been issued to them when appropriate, and to comply with any instruction provided.



## 5. Standards, Design and Manufacture

- 5.1 The specifications for PPE are set out in Annex 1. The list covers the PPE most commonly used on ships, but is not exclusive or exhaustive.
- 5.2 The prefixes “EN” and “BS” stand for “European Norm” and “British Standard” respectively. If there is not “EN” standard available, a “BS” standard is quoted. The standards are those to which the clothing and equipment should comply and the date which appears will be the date on which the latest revision of the relevant Standard was published. When referencing the Standard, it should be checked that there have been no subsequent amendments.
- 5.3 Any reference to an EN or BS standard contained in the annex means that standard or alternative standard which provides, in use, equivalent levels of safety, suitability and fitness for purpose.
- 5.4 The standards of equipment given in this Merchant Shipping Notice do not apply to Life Saving Appliances or other equipment which is subject to the Merchant Shipping (Marine Equipment) Regulations 1999 (S.I. 1999/1957).
- 5.5 Publications mentioned in Annex 1 are available from:

### **BS and EN Specifications**

The British Standards Institute  
389 Chiswick High Road  
London W4 4AL  
Email: [cservices@bsigroup.com](mailto:cservices@bsigroup.com)  
Tel: +44 (0) 345 086 9001  
Website: <http://www.bsigroup.com/>

### **More Information**

Seafarer Safety and Health Branch  
Maritime and Coastguard Agency  
Bay 2/17  
Spring Place  
105 Commercial Road  
Southampton  
SO15 1EG

Tel : +44 (0) 203 8172498

e-mail: [mlc@mcga.gov.uk](mailto:mlc@mcga.gov.uk)

Website Address: [www.gov.uk/government/organisations/maritime-and-coastguard-agency](http://www.gov.uk/government/organisations/maritime-and-coastguard-agency)

General Enquiries: [infoline@mcga.gov.uk](mailto:infoline@mcga.gov.uk)

File Ref: MS122/002/004

Published: Printers to Insert Month Year

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**STANDARDS OF PERSONAL PROTECTIVE EQUIPMENT**

Note: All protective clothing should conform to BS EN 13688:2013 'Protective Clothing General Requirements.'

	<b>Work Activity</b>	<b>Protective clothing and equipment to be provided</b>	<b>Full title of Standard</b>
1	Any process or activity involving a reasonably foreseeable risk to the head from falling objects.	Head Protection to: EN 397:2012 + A1: 2012	Industrial safety helmets
2	When working in areas where circumstances involve a reasonably foreseeable risk to the head from bruising or abrasion	Scalp protection to: BS EN 812:2012	Industrial bump caps
3	When working in small, fast craft	PAS 028:2002	Marine safety helmets
4	When entering or working in a space or working with machinery or equipment where the noise level exceeds 85dB(A)	Ear Protection to: BS EN 352-1:2002  BS EN 352-2:2002  BS EN 352-3:2002  BS EN 458:2004  Hearing protection should be provided with consideration to appropriate guidance such as Section 7 of the MCA Code Of Practice for Controlling Risks Due to Noise on Ships published by TSO and MIN 588.	Hearing protectors. Safety requirements and testing. Ear muffs  Hearing protectors. Safety requirements and testing– Ear plugs  Hearing protectors. Safety requirements and testing. Ear muffs attached to an industrial safety helmet  Hearing protectors Recommendations for selection, use care and maintenance. Guidance document
5	Welding and gas cutting	Eye and face protection BS EN 175:1997  EN 166:2001  BS EN 379:2003+A1:2009 BS EN 169:2002	Personal Protection Equipment for eye and face protection during welding and allied processes  Personal eye protection – Specifications  Personal eye protection Automatic welding filters. Personal eye protection. Filters for welding and related techniques. Transmittance requirements and recommended use

		<p>Body protection to BS EN ISO 11611:2015 <i>Replacing BS EN 470-1:1995 &amp; BS EN ISO 11611:2007</i></p> <p>Additional protection may be required in some situations (e.g. for particularly intense welding/cutting operations).</p>	<p>Protective clothing for use in welding and allied processes. General requirements</p>
6	Any work activity in which there is reasonably foreseeable risk of injury to the eye from particles, fragments or injurious substances	<p>Eye protection to: EN 166: 2001</p>	As above
7	Any work activity involving working in an atmosphere which is likely to be hazardous	<p>Note: The following items should be selected and maintained according to BS EN 529:2005 <i>Replacing BS 4275:1997</i></p>	<p>Guide to implementing an effective respiratory protective device programme</p>
(a)	Protection against nuisance dust mist, particles and dust of low toxicity.	<p>Disposable dust respirators conforming to BS EN 149:2001+A1:2009</p> <p>General purpose dust respirators conforming as appropriate to one of the following:</p> <p>BS EN 136:1998</p> <p>BS EN 140:1999</p> <p>BS EN 12083:1998</p> <p>BS EN 143:2000</p> <p>BS EN 14387:2004+A1:2008</p> <p>BS EN 1827:1999+A1:2009</p>	<p>Respiratory protective devices. Filtering half masks to protect against particles. Requirements, testing, marking</p> <p>Respiratory protective devices: Full face masks. Requirements, testing, marking</p> <p>Respiratory protective devices: half masks or quarter masks. Requirements, testing, marking</p> <p>Respiratory protective devices. Filters with breathing hoses (non-mask mounted filters) Particle filters, gas filters and combined filters. Requirements, testing, marking</p> <p>Respiratory protective devices. Particle filters. Requirements, testing, marking</p> <p>Respiratory protective devices, Gas filter(s) and combined filter(s). Requirements, testing, marking</p> <p>Respiratory protective devices. Half masks without inhalation valves and with separable filters to protect against gases or gases and particles or particles only. Requirements, testing, marking</p>

(b)	Protection against toxic dusts and gases of low toxicity	<p>Respirators conforming as appropriate to one of the following:</p> <p>BS EN 136:1998</p> <p>BS EN 140:1999</p> <p>BS EN 143:2000</p> <p>BS EN 14387:2004+A1:2008 <i>Correction</i></p> <p>BS EN 405:2001+A1:2009</p> <p>Note: Particulate filters may be incorporated for some applications.</p>	<p>As above</p> <p>As above</p> <p>As above</p> <p>As above</p> <p>Respiratory protective devices. Valved filtering half masks to protect against gases or gases and particles Requirements, testing, marking</p>
(c)	Protection against toxic dust	<p>Powered dust respirators, powered dust hoods conforming as appropriate to one of the following:</p> <p>BS EN 136:1998</p> <p>BS EN 143: 2000</p> <p>BS EN 12942: 1998+A2: 2008</p> <p>BS EN 12941: 1998+A2:2008</p> <p>Protection against highly toxic atmospheres; or where there is oxygen deficiency; or where there is an alternative to the items above where suitable</p>	<p>As above (note: this only applies to the mask)</p> <p>As above</p> <p>Respiratory protective devices. Power assisted filtering devices incorporating full face masks, half masks or quarter masks. Requirements, testing, marking</p> <p>Respiratory protective devices. Powered particle filtering devices incorporating a helmet or hood. Requirements, testing, marking</p>
(d)	Protection against highly toxic atmospheres; or where there is oxygen deficiency; or where there is an alternative to the items above where suitable	<p>Breathing apparatus conforming to:</p> <p>BS EN 1146: 2005</p> <p>BS EN 137:2006</p> <p>BS EN 138: 1994</p>	<p>Respiratory protective devices. Self-contained open circuit compressed air breathing apparatus incorporating a hood for escape. Requirements testing, marking</p> <p>Specification for respiratory protective devices. Self-contained open-circuit compressed air breathing apparatus with full mask. Requirements, testing, marking</p> <p>Respiratory protective devices. Fresh air hose breathing apparatus for use with a full face mask, half mask or mouth piece assembly. Requirements, testing, marking</p>

		<p>BS EN 14593-1:2005 <i>Replacing: EN 139:1995</i></p> <p>BS EN 14593-2:2005 <i>Replacing: EN 139:1995</i></p> <p>BS EN 14594:2005 <i>Replacing: EN 139:1995</i></p> <p>BS EN 269: 1995</p> <p>BS EN 402: 2003</p>	<p>Respiratory protective devices. Compressed air line breathing apparatus with demand valve. Apparatus with a full mask. Requirements, testing marking</p> <p>Respiratory protective devices. Compressed air line breathing apparatus with demand valve. Apparatus with a half mask at positive pressure. Requirements, testing, marking</p> <p>Respiratory protective devices. Continuous flow compressed air line breathing apparatus. Requirements, testing, marking</p> <p>Respiratory protective devices. Specification for powered fresh air hose breathing apparatus incorporating a hood</p> <p>Respiratory protective devices. Lung governed demand self-contained open-circuit compressed air breathing apparatus with full face mask or mouthpiece for escape. Requirements, testing, marking</p>
8	Any process or activity involving working in an area where there is a foreseeable risk of injury from substances which are corrosive or likely to be absorbed through the skin	<p>Protective overalls, gloves or head gear, whichever is appropriate:</p> <p>BS EN ISO 13688:2013 <i>Replacing EN 340:2003</i></p> <p>BS EN 14605:2005+A1:2009 <i>Replacing: EN 465:1995; EN 466:1995 &amp; EN 467:1995</i></p>	<p>Protective clothing general requirements</p> <p>Protective clothing against liquid chemicals. Performance requirements for chemical protective clothing with liquid tight (Type 3) or spray-tight (Type 4) connections including items providing protection to parts of the body only (Types PB [3] and PB [4])</p>
9	Any process or activity involving a reasonably foreseeable risk of injury to the hands unless the use of hand protection would increase the risk	<p>Hand protection conforming as appropriate to:</p> <p>BS EN 374-1:2016 <i>Replacing: EN 374-1:2003</i></p> <p>BS EN 374-2:2014 <i>Replacing: EN 374-2:2003</i></p> <p><i>BS EN 374-3:2003 Withdrawn</i></p>	<p>Protective gloves against chemicals and micro-organisms. Terminology and performance requirements for chemical risks</p> <p>Protective gloves against chemicals and micro-organisms. Determination of resistance to penetration</p> <p>Protective gloves against chemicals and micro-organisms. Determination of resistance to permeation by chemicals</p>

		<p>BS EN 374-4:2013</p> <p>BS EN ISO 374-5:2016</p> <p>BS EN 388:2016 <i>Replacing EN 388:2003</i></p> <p>BS EN 407:2004</p> <p>BS EN 420:2003+A1:2009</p> <p>BS EN 511:2006 <i>Replacing EN 511:1994</i></p>	<p>Protective gloves against chemicals and mirco-organisms. Determination of resistance to degradation by chemicals.</p> <p>Protective gloves against dangerous chemicals and micro-organisms. Terminology and performance requirements for micro-organisms risks.</p> <p>Protective gloves against mechanical risks</p> <p>Protective gloves against thermal risks (heat and or fire)</p> <p>Protective gloves. General requirements and test methods</p> <p>Protective gloves against cold</p>
10	Any process or activity involving particular risk of injury to the feet	<p>Foot protection conforming to:</p> <p>BS EN ISO 20345:2011 <i>Replacing BS EN ISO 20345:2004</i></p> <p>BS EN ISO 17249:2013</p> <p>BS EN ISO 15090:2012</p> <p>BS EN ISO 20346:2014</p> <p>BS EN ISO 20347:2012</p>	<p>Personal protective equipment. Safety footwear</p> <p>Safety footwear with resistance to chain saw cutting</p> <p>Footwear for firefighters</p> <p>Personal protective equipment. Protective footwear</p> <p>Personal protective equipment. Occupational footwear</p>
11	Work at height or in any other area where there is a reasonably foreseeable risk of falling a distance of more than 2 metres	<p>Safety belt harness and associated lanyard conforming to the following:</p> <p>EN 353—1:2014+A1:2017 <i>Replacing EN 353-1:2014</i></p> <p>BS EN 353-2:2002</p> <p>BS EN 354:2010</p> <p>BS EN 355:2002</p> <p>BS EN 360: 2002*</p>	<p>Personal fall protection equipment. Guided type fall arresters including an anchor line. Guided fall type arresters including a rigid anchor line</p> <p>Personal protective equipment against falls from height. Guided type fall arresters including a flexible anchor line</p> <p>Personal fall protection equipment. Lanyards</p> <p>Personal protective equipment against fall from a height. Energy absorbers</p> <p>Personal protective equipment against falls from height. Retractable type fall arresters</p>

		<p>BS EN 361:2002*</p> <p>BS EN 362:2004*</p> <p><i>*See BS EN 365:2004 for marking requirements.</i></p> <p>BS 8437:2005+A1:2012</p> <p><i>Or where the use of portable ladders is necessary, such ladders to be used in conjunction with the guidance contained in Chapter 17 in the Code of Safe Working Practices for Merchant Seafarers.</i></p>	<p>Personal protective equipment against falls from height. Full body harnesses</p> <p>Personal protective equipment against falls from height. Connectors</p> <p>Code of Practice for selection, use and maintenance of personal fall protection systems and equipment for use in the workplace</p>
12	Any work carried out from an overside position or in an exposed position where there is a reasonably foreseeable risk of falling or being washed overboard or any work carried out in or from a ship's boat	<p>A lifebuoy with sufficient line attached ready for immediate use and either a MCA approved lifejacket conforming as appropriate to one of the following, taking into account the area of operation.</p> <p>BS EN ISO 12402-8:2006+A1:2011 and SOLAS <i>Replacing EN 12402-8:2006</i></p> <p>BS EN ISO 12402-3:2006+A1:2010 <i>Replacing EN 12402-3:2006</i></p> <p>BS EN ISO 12402-2:2006+A1:2010 <i>Partially inherent lifejackets must have at least 89 N of inherent buoyancy; and with the inflatable sections relying on automatic inflation</i></p> <p><i>MGN 588 (F) 7.3 Other types of PPE may be accepted where determined on the basis of a risk assessment.</i></p>	<p>Personal flotation devices. Accessories. Safety requirements and test methods</p> <p>Personal flotation devices. Lifejackets, performance level 150. Safety requirements</p> <p>Personal flotation devices. Lifejackets, performance level 275. Safety requirements</p>
13	Any work activity where it is necessary to carry out repair or maintenance work on or near exposed live electrical equipment, and there is a reasonably foreseeable risk of injury	<p>Rubber gloves conforming to:</p> <p>BS EN 60903:2003</p> <p>Protective sleeves conforming to: BS EN 60984:1993 <i>Correction</i></p> <p>An insulating mat (except where specially insulated flooring is installed) conforming to:</p> <p>BS EN 61111:2009 <i>Withdrawn BS 921:1976</i></p> <p>Rubber soled footwear (no standard necessary)</p> <p>Note: gloves, sleeves and mats should protect against the appropriate voltage.</p>	<p>Live working. Gloves of insulating material Specification for sleeves of insulating material for live working</p> <p>Live working. Electrical insulating matting</p>

14	Any work activity involving a reasonably foreseeable risk of injury from vehicle movement e.g. during ro-ro operations	BS EN ISO 20471:2013+A1:2016 <i>Replacing: BS EN ISO 20471:2013</i>	High visibility clothing. Test methods and requirements
15	Any work process involving exposure to heat	BS EN ISO 11612:2015 <i>Replacing BS EN 531:1995</i>	Protective clothing. Clothing to protect against heat and flame. Minimum performance requirements
16	Any work process involving exposure to cool or cold conditions	BS EN 14058:2017 <i>Replacing BS EN 14058: 2004</i>	Protective clothing. Garments for protection against cool environments
17	Work in the engine rooms of any area where there is a risk of fire	Overalls made of fabric of low flammability e.g.  Natural fibre, high cotton content;  Non-flammable clothing	Cotton or cotton polyester clothing with flame-retardant finishes are available to protect against sparks and flame