

DN3 - Do – controlling workplace safety issues

Reference information provided, in particular web links, was correct as of 19.08.25.

Element 1: Safe working environment

Health and Safety (Safety Signs and Signals) Regulations 1996, Guidance on Regulations, Third Edition 2015, L64, HSE Books, ISBN: 978-0-7176-6598-3, <http://www.hse.gov.uk/pubns/books/l64.htm>

Lighting at Work, HSG38, HSE Books, ISBN: 978-0-7176-1232-1, <https://www.hse.gov.uk/pubns/priced/hsg38.pdf>

Workplace health, safety and welfare, Workplace (Health, Safety and Welfare) Regulations 1992, ACOP, L24, HSE Books, ISBN: 9780717665839, <http://www.hse.gov.uk/pubns/books/l24.htm>

Element 2: Confined spaces

Confined spaces - A brief guide to working safely, INDG258, HSE,
<https://www.hse.gov.uk/pubns/indg258.pdf>

Guidance on permit-to-work systems - A guide for the petroleum, chemical and allied industries, HSG250, HSE, <https://www.hse.gov.uk/pubns/priced/hsg250.pdf>

Safe work in confined spaces, Approved Code of Practice and guidance, L101, HSE Books, ISBN: 978-0-7176-6622-5, <http://www.hse.gov.uk/pubns/books/l101.htm>

Element 3: Fire and explosion

Chemical warehousing - The storage of packaged dangerous substances, HSG71, HSE, ISBN 978-0-7176-6237-1, <https://www.hse.gov.uk/pubns/priced/hsg71.pdf>

Controlling fire and explosion risks in the workplace, INDG370, HSE, <http://www.hse.gov.uk/pubns/indg370.pdf>

Control of Major Accident Hazards Regulations 2015, L111, HSE, ISBN: 978-0-7176-6605-8, <http://www.hse.gov.uk/pubns/priced/l111.pdf>

Dangerous substances and explosive atmospheres - Dangerous Substances and Explosive Atmospheres Regulations 2002 Approved Code of Practice and guidance, L138, HSE, ISBN: 978-0-7176-6616-4, <https://www.hse.gov.uk/pubns/priced/l138.pdf>

Electricity at Work Regulations 1989 - Guidance on Regulations, HSR25, HSE ISBN: 978-0-7176-6636-2, <https://www.hse.gov.uk/pubns/books/hsr25.htm>

Safe handling of combustible dusts: precautions against explosions, HSG103, HSE Books, ISBN: 978-0-7176-2726-4, <http://www.hse.gov.uk/pubns/priced/hsg103.pdf>

Storage of flammable liquids in containers, HSG51, HSE, ISBN: 978-0-7176-6608-9, <https://www.hse.gov.uk/pubns/priced/hsg51.pdf>

Storage of flammable liquids in tanks, HSG176, HSE, ISBN: 978-0-7176-6607-2, <https://www.hse.gov.uk/pubns/priced/hsg176.pdf>

HEALTH AND SAFETY INCIDENTS

Buncefield (unconfined vapour cloud explosion), Buncefield: Why did it happen? <https://www.hse.gov.uk/comah/buncefield/index.htm>

Flixborough (Nypo UK) Explosion - accident summary, <http://www.hse.gov.uk/comah/sragtech/caseflixboroug74.htm>

Hickson and Welch 1992 (confined vapour explosion) - accident summary, <https://www.hse.gov.uk/comah/sragtech/casehickwel92.htm>

Mexico City 1984 (boiling liquid expanding vapour explosion - BLEVE) - accident summary, <http://www.hse.gov.uk/comah/sragtech/casepemex84.htm>

Element 4: Fire

Building Regulations, Approved Document B - Fire Safety: Volume 2 - Buildings other than dwelling houses, Planning Portal Link to Approved Document B, https://assets.publishing.service.gov.uk/media/67d17064a005e6f9841a1d50/Approved_Document_B_volume_2_Buildings_other_than_Dwellings_2019_edition_incorporating_2020_2022_and_2025_amendments_collated_with_2026_and_2029_amendments.pdf

Building Regulations (Northern Ireland) 2012, Technical Booklet E, <http://www.buildingcontrol-ni.com/assets/pdf/TechnicalBookletE2012.pdf>

Building (Scotland) Regulations 2004 Building standards technical handbook 2019: non-domestic (part 2), <https://www.gov.scot/publications/building-standards-technical-handbook-2019-non-domestic/about/>

Fire Safety Risk Assessment series, UK Government Publications: <https://www.gov.uk/workplace-fire-safety-your-responsibilities/fire-risk-assessments>

1. Offices and shops, ISBN 978-1-8511-2815-0
2. Factories and warehouses, ISBN 978-1-8511-2816-7
3. Sleeping accommodation, ISBN 978-1-8511-2817-4
4. Residential care premises, ISBN 978-1-8511-2818-1
5. Educational premises, ISBN 978-1-8511-2819-8
6. Small and medium places of assembly, ISBN 978-1-8511-2820-4
7. Large places of assembly, ISBN 978-1-8511-2821-1
8. Theatres, cinemas and similar premises, ISBN 978-1-8511-2822-8
9. Open air events and venues, ISBN 978-1-8511-2823-5
10. Healthcare premises, ISBN 978-1-8511-2824-2
11. Transport premises and facilities, ISBN 978-1-8511-2825-9
12. Means of escape for disabled people, ISBN: 978-1-8511-2873-0

Managing risks and risk assessment at work, HSE, <https://www.hse.gov.uk/simple-health-safety/risk/index.htm>

Element 5: Dangerous substances

Carriage of dangerous goods (CDG), HSE website, <https://www.hse.gov.uk/cdg/>

Controlling fire and explosion risks in the workplace; A brief guide to the Dangerous substances and Explosive Atmospheres Regulations, INDG370, HSE, <http://www.hse.gov.uk/pubns/indg370.pdf>

Chemical warehousing: The storage of packaged dangerous substances, HSG71, HSE, ISBN:978 0 7176 6237 1, <https://www.hse.gov.uk/pubns/priced/hsg71.pdf>

Dangerous Substances and Explosive Atmospheres Regulations 2002. Approved Code of Practice and guidance, L138, HSE, ISBN:978 0 7176 6616 4, <https://www.hse.gov.uk/pubns/books/l138.htm>

Dangerous Substances (Notification and Marking of Sites) Regulations 1990 - A brief guide on an amendment to the Regulations 2013, INDG467, HSE, <http://www.hse.gov.uk/pubns/indg467.pdf>

Designing and operating safe chemical reaction processes, HSG143, HSE, ISBN:978 0 7176 1051 8, <https://www.hse.gov.uk/pubns/priced/hsg143.pdf>

Emergency planning for major accidents (COMAH), HSG191, HSE Books, ISBN: 978-0-7176-1695-4, <https://www.hse.gov.uk/pubns/priced/hsg191.pdf>

Emergency procedures, HSE website, HSE, <https://www.hse.gov.uk/workplace-health/emergency-procedures.htm>

Globally Harmonized System of Classification and Labelling of Chemicals (GHS), http://www.unece.org/trans/danger/publi/ghs/ghs_rev06/06files_e.html#c38156

Notification and marking of sites - The Dangerous Substances (Notification and Marking of Sites) Regulations 1990 Guidance on Regulations, HSR29, HSE, ISBN 978 0 1188 5435 1, <https://www.hse.gov.uk/pubns/priced/hsr29.pdf>

Safe use and handling of flammable liquids, HSG140, HSE, ISBN:978 0 7176 6609 6, <https://www.hse.gov.uk/pubns/priced/hsg140.pdf>

Storage of flammable liquids in containers, HSG51, HSE, ISBN:978 0 7176 6608 9, <https://www.hse.gov.uk/pubns/priced/hsg51.pdf>

Storage of flammable liquids in process areas, workrooms, laboratories and similar working areas, HSE website, <https://www.hse.gov.uk/fireandexplosion/storageflammliquids.htm>

Storage of flammable liquids in tanks, HSG176, HSE, ISBN:978 0 7176 6607 2, <https://www.hse.gov.uk/pubns/priced/hsg176.pdf>

The Control of Major Accident Hazards Regulations 2015 - Guidance on regulations, L111, HSE, ISBN: 978 0 7176 6605 8 <https://www.hse.gov.uk/pubns/priced/l111.pdf>

The Dangerous Goods Emergency Action Code List 2021, National Chemical Emergency Centre (NCEC) (ISBN 978 0 11 754171 9) https://www.tsoshop.co.uk/product/9780117541719/Dangerous-goods-emergency-action-code-list-2021/?AF=A10034&srsId=AfmBOoo1WmwkrOvl4n4AC13zP9UJ97M09eMBr6I5fZzAGLz7_flibbTen

HEALTH AND SAFETY INCIDENTS

Union Carbide, Bhopal, exothermic reaction resulting in toxic cloud, <http://www.bhopal.com/>

Albright and Wilson, Avonmouth, fire - accident summary,
<http://www.hse.gov.uk/comah/sragtech/casealbright96.htm>

Allied Colloids, Bradford, fire in a raw materials warehouse – accident summary,
<https://www.hse.gov.uk/comah/sragtech/casealliedcol92.htm>

Buncefield (unconfined vapour cloud explosion), Buncefield: Why did it happen?
<https://www.hse.gov.uk/comah/buncefield/index.htm>

Flixborough (Nypo UK) Explosion - accident summary,
<http://www.hse.gov.uk/comah/sragtech/caseflixboroug74.htm>

Mexico City 1984 (boiling liquid expanding vapour explosion - BLEVE) - accident summary,
<http://www.hse.gov.uk/comah/sragtech/casepemex84.htm>

Element 6: Work equipment and machinery maintenance

Machinery safety, HSE website, <https://www.hse.gov.uk/work-equipment-machinery/introduction.htm>

Providing and using work equipment safely, A brief guide, INDG291, HSE Books,
<http://www.hse.gov.uk/pubns/indg291.pdf>

Safe Use of Work Equipment, Approved Code of Practice and guidance, L22, HSE Books, ISBN: 978-0-7176-6619-5, <http://www.hse.gov.uk/pubns/books/l22.htm>

Safety of pressure systems, Approved Code of Practice and guidance, L122, HSE Books, ISBN: 978-0-7176-6644-7, <http://www.hse.gov.uk/pubns/books/l122.htm>

Element 7: Work equipment

Pressure Equipment Safety Regulations 2016 - Guidance, Office for Product Safety & Standards,
<https://www.gov.uk/government/publications/pressure-equipment-safety-regulations-2016>

Pressure systems – A brief guide to safety, INDG261, HSE, <https://www.hse.gov.uk/pubns/indg261.pdf>

Providing and using work equipment safely, A brief guide, INDG291, HSE Books,
<http://www.hse.gov.uk/pubns/indg291.pdf>

Safe Use of Work Equipment, Approved Code of Practice and guidance, L22, HSE Books, ISBN: 978-0-7176-6619-5, <http://www.hse.gov.uk/pubns/books/l22.htm>

Safety of pressure systems, Approved Code of Practice and guidance, L122, HSE Books, ISBN: 978-0-7176-6644-7, <http://www.hse.gov.uk/pubns/books/l122.htm>

Simple Pressure Vessel (Safety) Regulations 2016 - guidance, Office for Product Safety & Standards,
<https://www.gov.uk/government/publications/simple-pressure-vessels-regulations-2016>

Written schemes of examination - Pressure Systems Safety Regulations 2000, INDG178, HSE,
<https://www.hse.gov.uk/pubns/indg178.pdf>

Element 8: Machinery

Buying new machinery - A short guide to the law and your responsibilities when buying new machinery for use at work, INDG271, HSE, <https://www.hse.gov.uk/pubns/indg271.pdf>

Guide to application of the Machinery Directive 2006/42/EC, European Commission, <https://ec.europa.eu/docsroom/documents/38022>

Industrial robotics hazards and how to avoid them (article), <https://www.bastiansolutions.com/blog/7-industrial-robotics-hazards-and-how-to-avoid-them/>

OSH and the Future of Work: benefits and risks of artificial intelligence tools in workplaces, European Agency for Safety and Health at Work, <https://osha.europa.eu/en/publications/osh-and-future-work-benefits-and-risks-artificial-intelligence-tools-workplaces>

Placing work equipment and machinery on the market after Brexit, HSE, <https://www.hse.gov.uk/work-equipment-machinery/brexit.htm>

Providing and using work equipment safely, A brief guide, INDG291, HSE Books, <http://www.hse.gov.uk/pubns/indg291.pdf>

Safe Use of Work Equipment, Approved Code of Practice and guidance, L22, HSE Books, ISBN: 978-0-7176-6619-5, <http://www.hse.gov.uk/pubns/books/l22.htm>

Six tips for managers when assessing automation hazards (article), The National Law Review, <https://www.natlawreview.com/article/six-tips-managers-when-assessing-automation-hazards>

Supply of Machinery (Safety) Regulations 2008 As they apply to machinery being supplied in or into Great Britain, Office for Product Safety & Standards, <https://www.gov.uk/government/publications/supply-of-machinery-safety-regulations-2008>

Supply of Machinery (Safety) Regulations 2008 As they apply to machinery being supplied in or into Northern Ireland, Office for Product Safety & Standards, <https://www.gov.uk/government/publications/supply-of-machinery-safety-regulations-2008>

Element 9: Mobile work equipment and lifting equipment

A guide to workplace transport safety, HSG136, HSE, <https://www.hse.gov.uk/pubns/priced/hsg136.pdf>

Lifting Operations and Lifting Equipment Regulations 1998. Approved Code of Practice and guidance, L113, HSE, ISBN:978 0 7176 6586 0, <https://www.hse.gov.uk/pubns/priced/l113.pdf>

Providing and using work equipment safely, A brief guide, INDG291, HSE Books, <http://www.hse.gov.uk/pubns/indg291.pdf>

Rider-operated lift trucks - Operator training and safe use. Approved Code of Practice and guidance, L117, HSE, ISBN: 978 0 7176 6441 2, <https://www.hse.gov.uk/pubns/priced/l117.pdf>

Safe Use of Work Equipment, Approved Code of Practice and guidance, L22, HSE Books, ISBN: 978 0 7176 6619 5, <http://www.hse.gov.uk/pubns/books/l22.htm>

Thorough examination of lifting equipment - A simple guide for employers, INDG422, HSE, <https://www.hse.gov.uk/pubns/indg422.pdf>

Working platforms (non-integrated) on forklift trucks, Guidance Note PM28, HSE, <https://www.hse.gov.uk/pubns/pm28.pdf>

Element 10: Electricity

A guide to the Safe Use of Mechanical Plant in the Vicinity of Electrical Overhead Lines, Energy Networks Association, <https://www.energynetworks.org/industry-hub/resource-library/mechanical-plant-safety-advice.pdf>

Avoiding danger from overhead power lines, GS6, HSE, <https://www.hse.gov.uk/pubns/g6.pdf>

Avoiding danger from underground services, HSG47, ISBN: 978-0-7176-6584-6, HSE Books, <https://www.hse.gov.uk/pubns/priced/hsg47.pdf>

Electricity at Work Regulations 1989 - Guidance on Regulations, HS25, HSE, ISBN:978 0 7176 6636 2, <https://www.hse.gov.uk/pubns/priced/hsr25.pdf>

Electricity at Work - Safe Working Practices, HSG85, HSE, ISBN:978 0 7176 6581 5, <https://www.hse.gov.uk/pubns/priced/hsg85.pdf>

Health and safety in construction, HSG150, HSE, ISBN:978 0 7176 6182 2, <https://www.hse.gov.uk/pubns/priced/hsg150.pdf>

Maintaining portable electrical equipment, HSG107, HSE, ISBN:978 0 7176 6606 5, <https://www.hse.gov.uk/pubns/priced/hsg107.pdf>

Safe use of vehicles on construction sites: A guide for clients, designers, contractors, managers and workers involved with construction transport, HSG144, HSE, ISBN:978 0 7176 6291 3, <https://www.hse.gov.uk/pubns/priced/hsg144.pdf>

Work near electricity, HSE website, <https://www.hse.gov.uk/electricity/nearelectric.htm>

Element 11: Construction, work at height, demolition and excavation

A guide to the Safe Use of Mechanical Plant in the Vicinity of Electrical Overhead Lines, Energy Networks Association, <https://www.energynetworks.org/industry-hub/resource-library/mechanical-plant-safety-advice.pdf>

Avoiding danger from overhead power lines, GS6, HSE, <https://www.hse.gov.uk/pubns/g6.pdf>

Avoiding danger from underground services, HSG47, HSE, ISBN:978 0 7176 6584 6,
<https://www.hse.gov.uk/pubns/books/hsg47.htm>

Demolition, what you need to do, HSE website,
<https://www.hse.gov.uk/construction/safetytopics/demolition.htm>

Fragile roofs - Safe working procedures, GEIS5, HSE, <https://www.hse.gov.uk/pubns/geis5.pdf>

Health and safety in construction, HSG150, HSE, ISBN:978 0 7176 6182 2,
<https://www.hse.gov.uk/pubns/priced/hsg150.pdf>

Health and safety in roof work, HSG33, HSE, ISBN:978 0 7176 6527 3
<https://www.hse.gov.uk/pubns/priced/hsg33.pdf>

Industry guidance for Designers, Construction Industry Advisory Committee (CONIAC),
<https://www.citb.co.uk/media/ndlbn5v/cdm-2015-designers-interactive.pdf>

Inspection and reports, HSE Construction Information Sheet no 47 (rev1) Series Code, CIS47REV1
<http://www.hse.gov.uk/pubns/cis47.pdf>

Managing health and safety in construction - Construction (Design and Management) Regulations 2015.
Guidance on Regulations, L153, HSE, ISBN:978 0 7176 6626 3,
<https://www.hse.gov.uk/pubns/priced/l153.pdf>

Safe erection, use and dismantling of falsework, HSE, CIS56, <https://www.hse.gov.uk/pubns/cis56.pdf>

Safe use of vehicles on construction sites: A guide for clients, designers, contractors, managers and workers involved with construction transport, HSG144, HSE, ISBN:978 0 7176 6291 3,
<https://www.hse.gov.uk/pubns/priced/hsg144.pdf>

Selection, management and use of mobile elevating work platforms, HSE, GEIS6,
<https://www.hse.gov.uk/pubns/geis6.pdf>

Structural stability during excavations, what you need to do, HSE website,
<https://www.hse.gov.uk/construction/safetytopics/excavations.htm>

Working at Height: A brief guide, INDG401, HSE Books, <http://www.hse.gov.uk/pubns/indg401.pdf>

Work at height, the law, HSE website, <https://www.hse.gov.uk/work-at-height/the-law.htm>

Element 12: Workplace transport and work-related driving

A guide to workplace transport safety, HSG136, HSE

<https://www.hse.gov.uk/pubns/priced/hsg136.pdf> Avoiding danger from overhead power lines, GS6, HSE,
<https://www.hse.gov.uk/pubns/g6.pdf>

Health and safety in construction, HSG150, HSE, ISBN:978 0 7176 6182 2,

<https://www.hse.gov.uk/pubns/priced/hsg150.pdf>

Managing health and safety in construction - Construction (Design and Management) Regulations 2015.

Guidance on Regulations, L153, HSE, ISBN:978 0 7176 6626 3,

<https://www.hse.gov.uk/pubns/priced/l153.pdf>

Safe use of vehicles on construction sites: A guide for clients, designers, contractors, managers and workers involved with construction transport, HSG144, HSE, ISBN:978 0 7176 6291 3,

<https://www.hse.gov.uk/pubns/priced/hsg144.pdf>

Workplace health, safety and welfare. Workplace (Health, Safety and Welfare) Regulations 1992. Approved Code of Practice and guidance, L24, HSE, ISBN:978 0 7176 6583 9,

<https://www.hse.gov.uk/pubns/priced/l24.pdf>

Workplace transport safety - A brief guide, INDG199, HSE, <https://www.hse.gov.uk/pubns/indg199.pdf>

World report on road traffic injury prevention, WHO,

<https://apps.who.int/iris/bitstream/handle/10665/42871/9241562609.pdf;jsessionid=082C5F2ABE9361B831F29A11C3F3EDEE?sequence=1>