

Unit IDC - Workplace and work equipment safety

Reference information provided, in particular web links, was correct as of 03/04/17.

Contents

Element IC1 - Workplace welfare requirements and specific workplace issues	2
Element IC2 - Fire and explosion.....	3
Health and Safety Incidents	3
Element IC3 - Workplace fire risk assessment	4
Element IC4 - The storage, handling and processing of dangerous substances	6
Element IC5 - Work equipment.....	7
Element IC6 - Workplace machinery	8
Element IC7 - Mobile, lifting, access and work at height equipment.....	9
Element IC8 - Electrical safety.....	10
Element IC9 - Construction and works of a temporary nature - hazards and controls	11
Element IC10 - Workplace transport and managing work-related road risk.....	12

Element IC1 - Workplace welfare requirements and specific workplace issues

Hygiene (Commerce and Offices), ILO Convention, 1964 (No 120) (C120) and Recommendation (R120), http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_ILO_CODE:C120
http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_INSTRUMENT_ID:312458

Welfare Facilities Recommendation, R102, 1956,

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_ILO_CODE:R102

Encyclopaedia of Occupational Health and Safety, ILO, <http://www.iloencyclopaedia.org/preface-69563>

Graphical symbols - Registered safety signs, ISO 7010:2011, International Organisation for Standardisation (ISO)

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>

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

Working along, Health and safety guidance on the risks of lone working, INDG73, HSE Books, <http://www.hse.gov.uk/pubns/indg73.pdf>

Element IC2 - Fire and explosion

ATEX Guidelines: 3rd Edition, June 2009 (updated May 2011), http://www.industry-finder.com/download/94-9-CE-ATEX-directive/ATEX-Guide/atexguidelines_june2009_en.pdf

Encyclopaedia of Occupational Health and Safety, ILO, <http://www.iloencyclopaedia.org/preface-69563>

Health and Safety Incidents

Buncefield (unconfined vapour cloud explosion), Buncefield: Why did it happen?
<http://www.hse.gov.uk/comah/buncefield/buncefield-report.pdf>

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

Hickson and Welch 1992 (confined vapour explosion) – accident summary,
<http://www.hse.gov.uk/comah/sragtech/casepemex84.htm>

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



Element IC3 - Workplace fire risk assessment

Prevention of Major Industrial Accidents Convention, C174, 1993 (No. 174),

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312319:NO

Prevention of Major Industrial Accidents Recommendation, R181, 1993 (No. 181),

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312519:NO

ATEX Guidelines: 3rd Edition, June 2009 (updated May 2011), http://www.industry-finder.com/download/94-9-CE-ATEX-directive/ATEX-Guide/atexguidelines_june2009_en.pdf

Emergency plan, CFPA-European Guideline, CFPA-E No 25:2010 F, <http://cfpa-e.eu/>

Encyclopaedia of Occupational Health and Safety, ILO, <http://www.iloencyclopaedia.org/preface-69563>

ICC International Fire Code, ISBN: 978-1-6098-3473-9

Introduction to qualitative fire risk assessment, CFPA-European Guideline, CFPA-E No 4:2010 F, <http://cfpa-e.eu/>

Safety in the use of chemicals at work, ILO Code of Practice,

http://www.ilo.org/wcmsp5/groups/public/---ed_protect/---protrav/---safework/documents/normativeinstrument/wcms_107823.pdf

Controlling fire and explosion risks in the workplace, INDG370,

<http://www.hse.gov.uk/pubns/indg370.pdf>

Fire Safety Risk Assessment series, Communities and Local Government Publications,

<https://www.gov.uk/search?q=Fire+Safety+Risk+Assessment>

- | | |
|--|-------------------------|
| 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

Risk assessment, A brief guide to controlling risks in the workplace, INDG163,
<http://www.hse.gov.uk/pubns/indg163.pdf>

Element IC4 - The storage, handling and processing of dangerous substances

Chemical Convention, 1990 (C170) and Recommendation (R177),

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_INSTRUMENT_ID:312315

Prevention of Major Industrial Accidents Convention, ILO, C174 and Recommendation R181,

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_INSTRUMENT_ID:312319

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312519:NO

Encyclopaedia of Occupational Health and Safety, ILO, <http://www.iloencyclopaedia.org/preface-69563>

Prevention of major industrial accidents, ILO, Code of Practice, ISBN: 92-2-107101-4,

http://www.ilo.org/safework/info/standards-and-instruments/codes/WCMS_107829/lang--en/index.htm

Safety in the use of chemicals at work, ILO Code of Practice, ISBN: 92-2-108006-4,

http://www.ilo.org/wcmsp5/groups/public/---ed_protect/---protrav/---safework/documents/normativeinstrument/wcms_107823.pdf

Transport of Dangerous Goods, revision 19, UNEC1, ISBN: 978-92-1-139154-1

Controlling fire and explosion risks in the workplace, INDG370, HSE Books,

<http://www.hse.gov.uk/pubns/indg370.htm>

Globally Harmonized System of Classification and Labelling of Chemicals (GHS),

http://www.unece.org/trans/danger/publi/ghs/rev06/06files_e.html#c38156

Storage of dangerous substances, Dangerous Substances and Explosives Atmospheres Regulations 2002, Approved Code of Practice and guidance, L135, HSE Books, 978-0-7176-2200-9

Element IC5 - Work equipment

Directive 2009/104/EC - use of work equipment, <https://osha.europa.eu/en/legislation/directives/3>

Guarding of machinery convention, 1963 (C119) and Recommendation (R118),

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_INSTRUMENT_ID:312264

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312456:NO

Prevention of Major Industrial Accidents Convention, ILO, C174 and Recommendation R181,

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_INSTRUMENT_ID:312319

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312519:NO

Encyclopaedia of Occupational Health and Safety, ILO, <http://www.iloencyclopaedia.org/preface-69563>

Prevention of major industrial accidents, ILO, Code of Practice, ISBN: 92-2-107101-4,

http://www.ilo.org/safework/info/standards-and-instruments/codes/WCMS_107829/lang--en/index.htm

Safety and health in the use of machinery, ILO Code of Practice, ISBN: 978-92-2-127726-2 Link to Machinery CoP

Lifting equipment at work, A brief guide, INDG290, HSE Books,

<http://www.hse.gov.uk/pubns/indg290.htm>

Maintaining Portable and Transportable Electrical Equipment, HSG107, HSE Books, ISBN: 978-0-7176-2805-6, http://www.qub.ac.uk/safety-reps/sr_webpages/safety_downloads/maintaining_portable_elect.pdf

Pressure systems, A brief guide to safety, INDG261, HSE Books,

<http://www.hse.gov.uk/pubns/indg261.htm>

Providing and using work equipment safely, A brief guide, INDG291, HSE Books,

<http://www.hse.gov.uk/pubns/indg291.pdf>

Element IC6 - Workplace machinery

Directive 2006/42/EC - machinery directive, <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:157:0024:0086:EN:PDF>

Directive 2009/104/EC - use of work equipment, <https://osha.europa.eu/en/legislation/directives/3>

Guarding of machinery convention, 1963 (C119), ILO,
http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_INSTRUMENT_ID:312264

Guarding of machinery Recommendation, 1963 (R118), ILO,
http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312456:NO

Encyclopaedia of Occupational Health and Safety, ILO, <http://www.iloencyclopaedia.org/preface-69563>

Safety and health in the use of machinery, ILO Code of Practice, ISBN: 978-92-2-127726-2
http://www.ilo.org/wcmsp5/groups/public/---ed_protect/---protrav/---safework/documents/normativeinstrument/wcms_164653.pdf

Safety of machinery - General principles for design - Risk assessment and risk reduction, ISO 12100:2010, ISBN: 978-0-580-74262-0

Safety of machinery, basic concepts, general principles for design, basic terminology, methodology, ISO 12100-1:2003+A1:2009, ISBN: 978-0-580-68672-6

Safety of machinery, basic concepts, general principles for design, technical principles, ISO 12100-2:2003+A1:2009, ISBN 978-0-580-68673-3

Buying new machinery, INDG271, HSE Books, <http://www.hse.gov.uk/pubns/indg271.pdf>

Supplying new machinery, INDG270, HSE Books, <http://www.hse.gov.uk/pubns/indg270.pdf>



Element IC7 - Mobile, lifting, access and work at height equipment

Guarding of machinery convention, 1963 (C119) and Recommendation (R118),

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_INSTRUMENT_ID:312264

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312456:NO

Encyclopaedia of Occupational Health and Safety, ILO, <http://www.iloencyclopaedia.org/preface-69563>

Safety and health in the use of machinery, ILO Code of Practice, ISBN: 978-92-2-127726-2 Link to Machinery CoP

Lifting equipment at work, A brief guide, INDG290, HSE Books,

<http://www.hse.gov.uk/pubns/indg290.htm>

Safety in Working with Lift Trucks, HSG6, HSE, ISBN: 978-0-7176-1781-4,

<http://www.hse.gov.uk/pubns/books/l117.htm>

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



Element IC8 - Electrical safety

Directive 2006/95/EC - electrical equipment, <http://ec.europa.eu/growth/sectors>

Ambient factors in the Workplace, International Labour Organisation (ILO) Code of Practice (CoP), ISBN 92-2-11628-X, http://www.ilo.org/safework/info/standards-and-instruments/WCMS_107729/lang--en/index.htm

Encyclopaedia of Occupational Health and Safety, ILO, <http://www.iloencyclopaedia.org/preface-69563>

Avoiding danger from overhead power lines, GS6, HSE Books, <http://www.hse.gov.uk/pubns/gs6.htm>

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

Electricity at Work - Safe Working Practices, HSG85, HSE Books, ISBN: 978-0-7176-2164-4, <http://www.hse.gov.uk/pUbs/priced/hsg85.pdf>

IET Wiring Regulations 17th Edition (first amendment), BS7671: 2008+A1:2011, ISBN: 978-1-84919-269-9

Maintaining Portable and Transportable Electrical Equipment, HSG107, HSE Books, ISBN: 978-0-7176-2805-6, http://www.qub.ac.uk/safety-reps/sr_webpages/safety_downloads/maintaining_portable_elect.pdf

The safe isolation of plant and equipment, HSG253, HSE Books, ISBN: 978-0-7176-6171-8, <http://www.hse.gov.uk/pubns/books/hsg253.htm>

Element IC9 - Construction and works of a temporary nature - hazards and controls

Safety and Health in Construction Convention, C167, 1988, ILO and Recommendation R175,

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_ILO_CODE:C167

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_ILO_CODE:R175

Encyclopaedia of Occupational Health and Safety, ILO, <http://www.iloencyclopaedia.org/preface-69563>

Safety and Health in Construction, ILO Code of Practice, ISBN: 92-2-107104-9,

http://www.ilo.org/safework/info/standards-and-instruments/codes/WCMS_107826/lang--en/index.htm

Avoiding danger from overhead power lines, GS6, HSE Books, <http://www.hse.gov.uk/pubns/gs6.htm>

Avoiding danger from underground services, HSG47, HSE Books, ISBN: 978-0-7176-6584-6,

<http://www.hse.gov.uk/pUbs/priced/hsg47.pdf>

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

<http://www.hse.gov.uk/pubns/books/hsg150.htm>

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

Element IC10 - Workplace transport and managing work-related road risk

Hours of Work and Rest Periods (Road Transport) Convention C153, 1979 (No. 153), ILO,

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO::P12100_ILO_CODE:C153

Hours of Work and Rest Periods (Road Transport) Recommendation R161, 1979 (No. 161), ILO,

http://www.ilo.org/dyn/normlex/en/f?p=NORMLEXPUB:12100:0::NO:12100:P12100_INSTRUMENT_ID:312499:NO

Encyclopaedia of Occupational Health and Safety, ILO, <http://www.iloencyclopaedia.org/preface-69563>

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

Driving at Work – Managing Work-Related Road Safety, INDG382, HSE,

<http://www.hse.gov.uk/pubns/indg382.pdf>

ISO 39001:2012 Road traffic safety (RTS) management systems – requirements with guidance for use, ISBN: 978-0-580668-51-7

Workplace Transport Safety – Guidance for Employers, HSG136, HSE, ISBN: 978-0-717661-54-1,

<http://www.hse.gov.uk/pubns/priced/hsg136.pdf>