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CES™

Certified EHS Supervisor (CES)

CES Blueprint

CES Blueprint provides comprehensive information, understanding policies & procedures established by AOSH Awarding Body United Kingdom.

PASSION FOR SAFER WORLD

Preface

AOSH Awarding Body United Kingdom (AOSH UK) is pleased to present the candidate handbook for the Certified EHS Supervisor (CES). The candidate handbook was developed to guide those involved in the development of the Certified EHS Supervisor (CES) Examination and to provide the public (e.g., examinees, educators, administrators) information about the examination.

AOSH UK wishes to thank all the individuals who have contributed to the creation of this candidate handbook, and a comprehensive review will be evaluated annually to reaffirm the competencies and the guidelines for examination.

AOSH UK encourages all users of this document to provide feedback which may be useful in future revisions of the blueprint. Please forward all such comments to info@aoshuk.com.

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Disclaimer of Liability

AOSH Awarding Body United Kingdom (AOSH UK) certified status is an indicator that an individual has completed a combination of defined education, experience, or examination requirements. However, certification is not a guarantee or assurance of the competence or ability of any particular individual. Further, given the rapid changes in the field, AOSH UK cannot warrant that the examination and other certification materials will at all times reflect the most current state of the art.

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About AOSH UK

AOSH Awarding Body United Kingdom (AOSH UK) is most progressive and fast growing accredited certification body. We are accredited by International Accreditation Board (IAB) in accordance with ISO/IEC 17024:2012 standard requirement and sole purpose are certifying practitioner in the safety, health & environment profession. We are trusted and recognized awarding body by employers, training providers and learners across the World. We are dedicated to being the most dynamic and fresh-thinking awarding organization in the market. We believe that the right people with the right competencies deliver the right outcomes.

Our Objective:

- Meet the individual needs of your organisation

- Provide quality assurance

- Keep things simple and improve overall efficiency

- To uphold the integrity of the assessment and certification

- To promote professionalism

- Promote ethical practice

- Promote equality and diversity

Our Motto is:

Our **vision** is creating a safer world through safety, health, environmental certification and a certification body of choice, helping learners to reach their potential.

Our **mission** is to provide flexible certification that:

- Help professionals to achieve their goals in life and work

- To provide respected and valued assessment to enable quality assured learning worldwide.

AOSH UK Code of Ethics

This code of ethics sets professional standards and ethical values, which are set and must be compiled by applicants, candidates and credential holders and abide by AOSH UK requirements, standards and it's governing policies at all times. AOSH UK code of ethics is part of the certification scheme.

Integrity: The certified professionals shall pursue and sustain integrity, honour and prestige of the profession as well as of the AOSH UK Awarding body, by complying with these standards of work ethics.

Scope: AOSH UK certified professionals shall hold and be accountable for main principles during the conduct of their duties and professionally advise employers, clients, employees, the public and appropriate authorities, of any danger and unacceptable risks.

Competence and Objectivity: AOSH UK certified professional must be impartial and fair and conduct his professional affairs with responsibility and integrity. Continuously maintain high standards of ethics, balanced care for the interests of the public, employers, clients, employees, colleagues and the profession itself. AOSH UK certified professional must avoid to conduct or practice, which might likely lead to discrediting the profession, AOSH UK Awarding Body or deceiving the public in any manner.

Professionalism: AOSH UK certified professional shall pursue opportunities in services of civic affairs, working for the development of the safety, health, environment, security and other well-being of the community, by sharing their obtained knowledge and skills. AOSH UK certified professional shall only practice in his/her educational field of expertise. As well as following up their professional development by maintaining their competence through further education, work experience, professional training and keeping up to date with current affairs of the profession.

Fairness: AOSH UK certified professional shall always act as a non-bias professional of their field and with the manner regardless to individual's religion, ethnicity, gender, age, national origin, sexual orientation, or disability.

Support: AOSH UK certified professional will always support fellow professionals and AOSH UK, as the main driving force behind the progress in the professional environment. Also, certified professional by AOSH UK - will not collude, debase or discredit the AOSH UK or the other fellow professionals.

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The competencies have been weighted using the importance and frequency ratings obtained in the competency validation study.

Sr. No.	Competency Categories	Questions Percentage
1	Law & ethics	4%
2	Management systems	15%
3	Safety program implementation	14%
4	Hazard identification and control	40%
5	Leadership & training	15%
6	Emergency preparedness management	12%

Certified EHS Supervisor (CES) Exam Development Guidelines

Examination Length and Format	100 operational multiple choice questions. Four (4) hours Will be allocated for the completion of the examination.

Recommended Reference List

Principles of health and safety at work: 8th edition	By Allan St John Holt and edited by Jim Allen
Health and Safety in a Changing World	By Robert Dingwall and Shelley Frost
Essentials of environmental management	By Paul Hyde and Paul Reeve
Health and safety: risk management	By Dr Tony Boyle

Fundamentals of Industrial Hygiene	Plog, Barbara A, and Patricia J. Quinlan, National Safety Council, 5th Edition, 2002.
Fundamentals of Management	Griffin, Ricky W., Cengage Learning, 7th Edition, 2013.
Fundamentals of Occupational Safety and Health	Friend, Mark A. and James P. Kohn 4th Edition, 2007.
Fire Protection Handbook	Volume 1 and 2, NFPA, 20th Edition, 2008.
NFPA 20: Standard for the Installation of Stationary Pumps for Fire Protection	National Fire Protection Association, 2010 Edition.
Fundamentals of Industrial Hygiene	6th Edition, National Safety Council
The Safety Professionals Handbook: Management Applications	Haight, Joel M., Editor, ASSE, 2nd Edition, 2012.
Flammable and Combustible Liquids Code Handbook	Benedetti, Robert P. , National Fire Protection Association, 6th Edition, 1997.
Ergonomics in action: a practical guide for the workplace	By Céline McKeown
Be the best: how to become a world class health and safety professional	By Richard Byrne
Supporting health at work: international perspectives on occupational health services	By Peter Westerholm and David Walters
Disasters: learning the lessons for a safer world	By David Eves
AOSH UK code of ethics	By AOSH UK

Domain 1
Law and Ethics – 4%

Knowledge of:

1. Reason to manage health and safety in any organisation
2. Role and function of national & international bodies (HSE, ILO)
3. Health & safety legislation (international, national, industry & trade)
4. Record keeping & reporting
5. Roles & responsibility (employer, employee, directors, other staff etc.)
6. AOSH code of ethics
7. Legal issues (common law, compensation law, civil & criminal law)

Domain 2
Management Systems – 15%

Knowledge of:

1. Key elements of management system /Dr. Deming cycles (plan, do, check, act)
2. HSG65, OHSAS 18001/ISO 45001, ILO-OSH 2001 act
3. Features of health and safety management system
4. Content and development of health & safety policy
5. Health and safety culture & consultation (benefits, barrier, improvement, measured etc.)
6. Human factors which influence at work and how behavior can be improved
7. Sources of information for employer/employee (nationally & internationally)
8. Accident reason, accident investigation, accident cost,
9. Principles of risk assessment and risk assessment procedure
10. Health and safety audit & review

Domain 3

Safety Program Implementation – 14%

Knowledge of:

1. Risk assessment & control measure

2. Job hazard analysis

3. Waste management

4. Inspection like ladder, wheels, machine guard etc.

5. Documentation & reporting to legal authority

Domain 4

Hazard Identification and Control – 40%

Knowledge of:

1. Work permit system

2. Electrical hazard & control, control measure for electrical equipment at work place, Principle of electrical etc.

3. Work at height, fall protection

4. Struck by/caught by

5. Excavation & underground work

6. Scaffold & manual handling

7. Confined space

8. Workplace hazard & control (construction hazard & control, Violence at work, health & welfare etc.

9. Transport hazard & control (safe movement, driving at work/highway etc)

10. Musculoskeletal hazard & control (upper limb disorder, manual handling, powered & manual handling equipment)

11. Physical & physiological health hazard & control (noise, vibration, radiation, stress etc.)

12. Chemical hazard & control (handling & storage, SDS, GHS, hazardous substances,

13. Work equipment hazard & control (machinery hazard, hand-held tools, maintenance of work equipment etc.

14. Hoisting, rigging & signaling

15. PPE types & use

16. Acute & chronic health hazard & control

17. Hierarchy of control

Domain 5

Leadership & Training – 15%

Knowledge of:

1. Effective communication techniques

2. Training needs analysis

3. Assessing training competency

4. Presentation tools

5. Effecting training program

6. Mentoring

7. Negotiation & inter personal skills

8. Conflict resolution

> **Domain 6**
>
> **Emergency Preparedness Management – 12%**

Knowledge of:

1. Principle of fire, triangle, types, hazards & control, prevention, spread, evacuation, fire alarming & fighting system etc.

2. Fire risk assessment

3. Fire calcification and protection method

4. Emergency response plan & drill (fire, crises, weather, alarms, evacuation etc.)

5. Basic first aid