

**Certified Safety and Health Manager (CSHM) and Certified Safety Management
Practitioner (CSMP) Blueprint
July 2012**

This blueprint is being changed to upgrade its status for ANSI accreditation by the Spring of 2021. When IHMM's work is completed, there will be a new blueprint for the CSHM and the CSMP, separately. We are using this blueprint as the document IHMM acquired from ISHM

PART I Description of Major Roles and Practice Areas

Domain I – EHS Leadership and commitment (21% of the test)

Description of practice area: Manage safety system elements including policy, responsibility, authority, employee participation, and management review to facilitate an effective safety culture

<p style="text-align:center">Knowledge areas and skills</p> <ol style="list-style-type: none">1. Finance, budgeting and cost accounting2. Mathematics and statistics and data management3. Process management, material flow, and procurement4. Personnel development techniques5. Labor relations, including union/management committees6. Conflict resolution techniques7. ISHM Code of Ethics and Professional Conduct8. General business ethics9. Organizational theory and behavioral science10. Group dynamics11. Behavior modification techniques12. Management principles of authority, responsibility, and accountability13. Behavior analysis methods14. Action plans to influence safety-related behaviors and conditions

Domain II - EHS Planning and Prevention (35% of the test)

Description of practice area: Review EHS issues, regulations, resources, hazards, risks and controls; identify and prioritize issues; establish goals, and formulate implementation plans
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<p style="text-align:center">Knowledge areas and skills</p> <ol style="list-style-type: none">1. Regulatory compliance requirements and programs2. Management systems3. Risk identification and management4. Workers compensation5. Risk management and financing6. General liability and product safety7. Fire safety, life safety, and security8. Fleet safety

9. Health and wellness
10. Emergency preparedness, crisis planning
11. Sustainability
12. Occupational medicine, medical services
13. Best practices and benchmarking
14. Multi-employer worksite issues
15. Labor laws, ADA, EEO, wage and hour laws

Domain III - Safety, Health and Environmental operations and applications (28% of the test)

Description of practice area: Implementation of prevention programs and risk reduction techniques including the hierarchy of controls, management of change, procurement management, contractor safety, emergency preparedness, education, training, awareness, communication, and documentation.

Knowledge areas and skills

1. Education, training and communication methods and principles
2. Quality systems
3. Lean principles
4. Safety in design, system safety
5. Engineering controls
6. Administrative controls
7. Personal protective equipment
8. Toxicology
9. Industrial hygiene
10. Ergonomics
11. Environmental health
12. Qualitative and quantitative risk assessment
13. Basic scientific concepts, anatomy and physiology, biochemistry, biology, chemistry, mathematics, and physics
14. Properties of flammable, combustible, and reactive materials
15. Mathematics and statistics

Domain IV – Assessment and evaluation (16% of the test)

Description of practice area: EHS performance evaluation using monitoring, measurement and assessment methods; incident investigation and root cause determination; audits; and corrective and preventive action

Knowledge areas and skills

1. Auditing
2. Performance metrics
3. Recordkeeping
4. Data analysis
5. Statistics
6. Accident investigation and root cause analysis
7. Leading and lagging indicators

