



NAME: BASICS OF EMERGENCY RESPONSE AND EVACUATION PREPAREDNESS

MC CODE:SSD/M0107

VERSION:1.0

NSQF LEVEL:3



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MC Description

This Micro credential is designed to provide individuals with the necessary knowledge & skills to efficiently handle and address emergencies & evacuations in various situations at workplaces. The main objective is to provide a thorough understanding to effectively manage critical situations, ensuring the safety of individuals, records and assets during emergency situations.

Parameters

Developed by	:	Safety Skill Development Foundation
MC Code	:	SSD/M0107
MC name	:	Basics of Emergency Response and Evacuation Preparedness
NSQF Level	:	3
Used by Sectors	:	Education, Training & Research; Hydrocarbon, Iron & steel, Mining, Power, Automotive, Construction, Chemicals & Petrochemicals and others.
Occupation	:	Occupational Safety Health & Environment (OSHE) Engineering & Management
Country	:	India
Minimum Age	:	NA



Minimum Educational Qualification & Experience	:	10th grade pass or equivalent with 3 years of relevant experience OR Previous qualification of NSQF level 2.5 + 1.5 year of relevant experience
Training Duration	:	Training – 7.5 Hours and Assessment – 0.5 Hour RAF
NSQC Approval Date	:	08-05-2025
Next Review Date	:	08-05-2028
Version	:	1.0
Reference code on NQR	:	NM-03-ET-04310-2025-V1-SSDF
NQR Version	:	1.0



Scope

- Emergency situations, associated risks, strategies to mitigate risks and minimize losses.
- Immediate steps under emergency situations and emergency responses evacuations.
- Evacuation and minimization of losses in terms of human life, injuries, documents or assets.
- Equipment's for emergencies, PPEs & first aid facilities
- Communication channels & effective emergency protocols.

Performance Criteria

The certified professional on this MC will be able to understand:

- PC1.** Recognize and classify emergency situations, considering factors such as their characteristics, seriousness, and immediate potential impact.
- PC2.** Assess the potential outcomes of emergencies, with a focus on possible injury, damage, and effects.
- PC3.** Understand the specific risks associated with the working condition & industries and plan emergency communications and response accordingly.
- PC4.** Workout emergency arrangements, PPEs, medical assistance & first aid facilities and communication protocols.
- PC5.** Execute emergency response procedures, evacuation procedures, marking of routes, identification of assembly areas & correct utilization of emergency equipment, and effective coordination.
- PC6.** Implement training on emergency drills for emergency situations and responses including fire, natural disasters; industrial accidents; Hazardous Material (HAZMAT) incidents and threat from enemy action etc.

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- PC7.** Analyse responses following emergencies to enhance protocols, with focus on improving efficiency, communication effectiveness, and overall capability to respond.
- PC8.** Analyse ability to adapt emergency response strategies based on evolving circumstances, demonstrating flexibility and agility in addressing various emergency scenarios.
- PC9.** Check readiness of emergency preparedness and availability of equipments & PPEs, evaluate the adequacy, accessibility, and proper utilization of personal protective equipment (PPE) during emergency.
- PC10.** Reviews and go through audits of emergency response plans, lessons to continuously enhance and optimize emergency protocol. Comply with regulations & guidelines on emergency responses.

Knowledge and Understanding (KU)

The certified professional on this MC will be able to know and understand followings:

- KU1.** Recognition of different triggers and circumstances that can result in emergencies necessitate prompt response and evacuation.
- KU2.** Understand the potential consequences and risks associated with emergency situations and evacuations.
- KU3.** Identification of specific emergency risks associated with industries, guaranteeing customized evacuation plans for diverse work environments.
- KU4.** Knowledge & understanding of safety and evacuation regulations and efficient and legal emergency responses.
- KU5.** Understanding of preventive measures and protocols such as effective evacuation strategies and the use of emergency equipment and personal protective equipment (PPE).
- KU6.** Knowledge & understanding of emergency drills & practices, reviews and audits of emergency response plans & practices and preparation of reports.

Generic Skills (GS)

The certified professional on this MC should know followings for better performance:



- GS -1 Reading and writing in the language of communication.
- GS -2 Effective verbal communication in the local language.
- GS -3 Mathematics and utilizing Analysing processes & tools.
- GS -4 Planning, organizing, and optimizing resources and utilizing planning and monitoring tools, as well as operating software
- GS-5 Administration, decision making, and conflict resolution.
- GS -6 Understanding of rules & regulations and adherence to instructions
- GS -7 Understanding safety measures and adhering to safety protocols.
- GS-8 Demonstrating professional behaviour when interacting with co-workers and employees.
- GS -9 Proper utilization of personal protective equipment.

Assessment Criteria

Performance Criteria	Theory marks	Practical marks	Project Marks	Viva marks	Total marks
PC-1: Recognize and classify emergency situations, considering factors such as their characteristics, seriousness, and immediate potential impact.	5	5			10
PC-2: Assess the potential outcomes of emergencies, with a focus on possible injury, damage, and effects.	5	5			10
PC-3: Understand the specific risks associated with the working condition & industries and plan emergency communications and response accordingly.	5	5			10
PC-4: Workout emergency arrangements, PPEs, medical assistance and communication protocols.	5	5			10
PC-5: Execute emergency response procedures, evacuation procedures, marking of routes, identification of assembly areas & correct utilization of emergency equipment, and effective coordination.	5	5			10



PC-6: Implement training on emergency drills for emergency situations and responses including fire, natural disasters; industrial accidents; Hazardous Material (HAZMAT) incidents and threat from enemy action etc.	5	5			10
PC-7 Analyze responses following emergencies to enhance protocols, with focus on improving efficiency, communication effectiveness, and overall capability to respond.	5	5			10
PC-8: Analyse ability to adapt emergency response strategies based on evolving circumstances, demonstrating flexibility and agility in addressing various emergency scenarios.	5	5			10
PC-9: Check readiness of emergency preparedness and availability of equipments & PPEs, evaluate the adequacy, accessibility, and proper utilization of personal protective equipment (PPE) during emergency.	5	5			10
PC-10: Reviews and go through audits of emergency response plans, lessons to continuously enhance and optimize emergency protocol. Comply with regulations & guidelines on emergency responses.	5	5			10
MC Total Marks	50	50			100

Guidelines for Assessment

- The assessment criteria given is for Micro credential “Basics of Emergency Response and Evacuation Preparedness.
- Assessments can be carried out offline as well as online and shall be carried by SSDF only.
- Questions will be formed in such a way as to provide outcome on maximum Performance Criteria.
- The assessment will be of half an hour duration and will be based on multiple choice question; created / approved by the SSDF.
- The certificate on MC will be issued to successful candidates who score 50% or more than 50%.

Acronyms

SSDF	Safety Skill Development Foundation
NCVET	National Council for Vocational Education and Training



NSQF	National Skill Qualifications Framework
MC	Micro Credential
NOS	National Occupational Standards
QP	Qualification Pack

Glossary

Key Words	Description
Safety Skill Development Foundation (SSDF)	An Awarding Body recognized by NCVET, Ministry of Skill Development & Entrepreneurship, Government of India.
NCVET (National Council for Vocational Education and Training)	Regulatory Authority of Government of India for Vocational Education and Training.
NSQF (National Skill Qualifications Framework)	National Skill Qualifications Framework is a framework under which skills are categorized from level 1 to 10.
Sector	Sector is conglomeration of different business operations having similar business and interests.
Sub-Sector	Sub-Sector is further breakdown of Sector based on the characteristics and business components.



Occupation	Occupation is a set of job roles requiring similar/related competencies in the industry.
Job role	Job role is a set of functions required to get an employment opportunity in the industry and perform a task as per industry norms.
Qualifications Pack (QP)	Qualifications Pack comprises the set of Occupational Standard, required to perform a job role and is assigned a unique qualification pack code.
National Occupational Standards (NOS)	NOS are Occupational Standards in the Indian context and approved by NCVET.
Micro Credential (MC)	A coherent set of skills, knowledge, and learning outcomes, needed by industry, employers, Government, or the community.
Performance Criteria (PC)	Performance Criteria are statements specifying the standard of performance required when carrying out a task.
Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, professional, and organizational specific knowledge that an individual, needs to perform to the required standard.
Generic Skills (GK)	Generic Skills are a group of skills typically needed in general to perform the task.
MC/NOS/QP Codes	MC/NOS/QP codes are unique identifier codes for MC/NOS/QP which starts from M/N/Q respectively