

# "Hazmedic"

## Competency Assessment Check-Off



North Central Florida Regional  
Hazardous Materials Response Team  
2005 Edition

## **Introduction**

This document has been developed to provide for regularly scheduled competency maintenance of the minimum knowledge, skills and abilities required for EMS personnel responding to provide medical care for victims of chemical contamination associated with hazardous materials incidents. In addition, this document will outline the minimum competencies required to be recognized as a hazardous materials medical specialty responder, a “Hazmedic” as recognized within the North Central Florida Local Emergency Planning Council (LEPC) Region III Regional Hazardous Materials Response Team.

The psychomotor skills found in NFPA 473 have been brought together to comprise this document. Essentially, there are two responder categories within the Standard; EMS/HM Level I and EMS/HM Level II Responders. It is the intent that the “Hazmedic” be certified to the EMT-A level or higher and possesses all the competencies found in both Level II and III categories.

For clarification purposes, EMS/HM Level I responders are those whom, during the regular course of their duties, may be required to perform patient care duties within the cold zone at hazardous materials incidents. The EMS/HM Level II responders are those whom, during the regular course of their duties, may be required to perform patient care duties within the warm zone at hazardous materials incidents.

This document is recommended for the initial training of “Hazmedics” as well as the documentation of periodic competency assessment(s). In accordance with OSHA 29 CFR 1910.120 (q), annual refresher training shall take place in sufficient content and duration for employees to maintain their competency, or demonstrate their competency at least yearly. In addition, the employer is responsible for designating appropriate recertification procedures and identifying those “qualified” to sign this document indicating successful completion of a competency.

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# **Hazmedic Level I Responder**

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# **Hazmedic Level II Responder**

# Competency Checklist

## Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

### Area 2.2

#### Analyzing the Hazardous Materials Incident

No.	Requirement
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2.2.1	Given an emergency involving hazardous materials the HazMedic Level I responder shall determine the hazards to their fellow responders and patient. The responder shall be able to:
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| a) | Assess the nature of the incident (size-up) as they pertain to EMS responsibilities at hazardous materials incidents with evaluation of available resources and request additional specialized resources |
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| b) | Evaluate the environmental factors as they affect patient care |
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Examiners Remarks
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# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.2 Analyzing the Hazardous Materials Incident

No.	Requirement
2.2.1	<div> c) Identify the information resources available and how to access the following: <ul style="list-style-type: none"> <li>Poison Control Center</li> <li>Medical Control</li> <li>Material Safety Data Sheets</li> <li>Reference Guidebooks</li> <li>Hazardous Materials Data Bases</li> <li>Technical information centers (CHEMTREC, NRG, etc.)</li> <li>Technical specialists</li> <li>Agency for Toxic Substances and Disease Registry (ATSDR)</li> </ul> <div style="text-align: right; margin-top: 20px;"> <div style="display: inline-block; width: 150px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: inline-block; width: 100px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> </div> <div style="display: flex; justify-content: flex-end; margin-top: 5px;"> <div style="text-align: center; width: 150px;">(Signature)</div> <div style="text-align: center; width: 100px;">____/____/____ (Date)</div> </div> </div> <div style="margin-top: 20px;"> d) Given a pesticide label, identify and explain the significance of the following: <ul style="list-style-type: none"> <li>Name of pesticide</li> <li>Signal word</li> <li>EPA registration number</li> <li>Precautionary statement</li> <li>Hazard statement</li> <li>Active ingredient</li> </ul> <div style="text-align: right; margin-top: 20px;"> <div style="display: inline-block; width: 150px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: inline-block; width: 100px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> </div> <div style="display: flex; justify-content: flex-end; margin-top: 5px;"> <div style="text-align: center; width: 150px;">(Signature)</div> <div style="text-align: center; width: 100px;">____/____/____ (Date)</div> </div> </div>








### Examiners Remarks

# Competency Checklist

## Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

### Area 2.2

#### Analyzing the Hazardous Materials Incident

No.	Requirement
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2.2.2	Given a hazardous materials incident with patient(s) the HazMedic Level I responder shall determine the risk of secondary contamination. The responder shall be able to:
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|  | a) Explain the basic toxicological principles relative to assessment and treatment of victims exposed to hazardous materials, including the following: <ul style="list-style-type: none"><li>• Acute and delayed toxicity</li><li>• Routes of exposure to toxic materials</li><li>• Local and systemic effects</li><li>• Dose response as it relates to risk assessment</li><li>• Synergistic effects</li><li>• Health hazard as determined by assessing toxicity, exposure and dose</li></ul> |
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|  | b) Describe how the chemical contamination of patients alters the principles of triage in hazardous materials incidents |
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#### Examiners Remarks

# Competency Checklist

## Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

### Area 2.2

### Analyzing the Hazardous Materials Incident

No.	Requirement
2.2.2	<div style="margin-bottom: 10px;"> c) Explain the need for patient decontamination procedures at hazardous materials incidents <div style="text-align: right; margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 150px; display: inline-block;"></div> <div style="border-bottom: 1px solid black; width: 50px; display: inline-block;"></div> <div style="margin-left: 10px;">(Signature)</div> <div style="margin-left: 20px;">____/____/____ (Date)</div> </div> </div> <div style="margin-bottom: 10px;"> d) Describe how the potential for secondary contamination determines the extent of patient decontamination required <div style="text-align: right; margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 150px; display: inline-block;"></div> <div style="border-bottom: 1px solid black; width: 50px; display: inline-block;"></div> <div style="margin-left: 10px;">(Signature)</div> <div style="margin-left: 20px;">____/____/____ (Date)</div> </div> </div> <div style="margin-bottom: 10px;"> e) Describe the way the personnel, personal protective clothing, apparatus, tools and equipment become contaminated and the importance and limitations of decontamination procedures <div style="text-align: right; margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 150px; display: inline-block;"></div> <div style="border-bottom: 1px solid black; width: 50px; display: inline-block;"></div> <div style="margin-left: 10px;">(Signature)</div> <div style="margin-left: 20px;">____/____/____ (Date)</div> </div> </div> <div> f) Explain the decontamination procedures as defined by the AHJ for patients, personnel, personal protective equipment and apparatus at hazardous materials incidents <div style="text-align: right; margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 150px; display: inline-block;"></div> <div style="border-bottom: 1px solid black; width: 50px; display: inline-block;"></div> <div style="margin-left: 10px;">(Signature)</div> <div style="margin-left: 20px;">____/____/____ (Date)</div> </div> </div>
Examiners Remarks	



# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.3 Planning the Response

### No. Requirement

2.3.1 Given a plan of action by the incident commander, the HazMedic Level I responder shall describe their role in a hazardous materials incident as identified in the local emergency response plan or organization's standard operating procedure, including the following:

- a) Describe the emergency medical component for the hazardous materials incident response plan as developed by the AHJ

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- b) State the Hazmedic level I responder's role within the hardous materials response plan as developed by the AHJ

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- c) State the Hazmedic level I responder's role within the hardous materials incident management system

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### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.3 Planning the Response

### No. Requirement

2.3.2 Given a hazardous materials incident the Hazmedic Level I responder shall be able to plan a response to provide the appropriate level of emergency medical care, including the standard operating procedures for the medical management of persons exposed to hazardous materials, as specified by the AHJ

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2.3.3 Given the name of the hazardous material and the type, duration and extent of exposure and decontamination process, the Hazmedic Level I responder shall determine if available PPE and equipment are appropriate to implement the planned response. The responder shall be able to describe the application, use and limitations of the following:

- Street clothing and uniforms
- Structural firefighting protective clothing
- Respiratory protective equipment
- Chemical protective equipment

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### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.3 Planning the Response

No.	Requirement
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| 2.3.4 | Given a simulated hazardous materials incident, the Hazmedic Level I responder shall determine of available equipment and supplies are appropriate to implement the planned response. The Hazmedic Level I responder shall be able to describe the equipment and supplies available to the responder for the care and transportation of the hazardous materials patient. |
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Examiners Remarks
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## Competency Checklist

### Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

***The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.***

No.	Requirement
Examiners Remarks	

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.4 Implementing the Planned Response

### No. Requirement

2.4.1 Given an emergency involving hazardous materials the HazMedic Level I responder shall determine the hazards to their fellow responders and patient. The responder shall be able to:

- a) Assess the nature of the incident (size-up) as they pertain to EMS responsibilities at hazardous materials incidents with evaluation of available resources and request additional specialized resources

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- b) Evaluate the environmental factors as they affect patient care

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### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.4 Implementing the Planned Response

### No. Requirement

2.2.1 c) Identify the information resources available and how to access the following:

- Poison Control Center
- Medical Control
- Material Safety Data Sheets
- Reference Guidebooks
- Hazardous Materials Data Bases
- Technical information centers (CHEMTREC, NRG, etc.)
- Technical specialists
- Agency for Toxic Substances and Disease Registry (ATSDR)

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d) Given a pesticide label, identify and explain the significance of the following:

- Name of pesticide
- Signal word
- EPA registration number
- Precautionary statement
- Hazard statement
- Active ingredient

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### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.4 Implementing the Planned Response

### No. Requirement

2.4.1 Given a plan for providing patient care at the hazardous materials incident the HazMedic Level I responder shall be able to perform the preparations necessary to receive the patient for treatment and transport. The responder shall be able to:

- a) List the information that needs to be communicated to the Medical Control/Receiving facility regarding the hazardous materials incident to include the following:
- Type and nature of the incident
  - Chemical involved and its physical state
  - Number of potential patients

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- b) Describe the procedure for preparing the vehicle and equipment for transport

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(Date)

### Examiners Remarks

## Competency Checklist

### Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.4

### Implementing the Planned Response

No.	Requirement
2.4.1	<p>c) Demonstrate the proper donning, doffing usage and limitations of all personal protective equipment provided to the Hazmedic Level I responder by the AHJ for use in their hazardous materials response activities</p> <p>_____ /_____/_____ (Signature) (Date)</p> <p>d) Describe the concept of patient transfer from the incident site to the decontamination area and then th the treatment area</p> <p>_____ /_____/_____ (Signature) (Date)</p>
2.4.2	<p>Given a patient from a hazardous materials incident, the Hazmedic Level I responder shall provide patient care consistent with the organization's standard operating procedure. The responder shall be able to:</p> <p>a) Describe how chemical contamination alters the assessment and care of the hazardous materials patient</p> <p>_____ /_____/_____ (Signature) (Date)</p>
Examiners Remarks	



# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.4 Implementing the Planned Response

### No. Requirement

2.4.2 b) List the common signs and symptoms and describe the EMS treatment protocols for the following:

- Corrosives (e.g., acid, alkali)
- Pulmonary irritants (e.g., ammonia, chlorine)
- Pesticides (e.g., organophosphates, carbamates)
- Chemical asphyxiants (e.g., cyanide, carbon monoxide)
- Hydrocarbon solvents (e.g., xylene, methyl chloride)

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c) Explain the potential risk with invasive procedures for hazardous materials patients

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### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.4 Implementing the Planned Response

No.	Requirement
2.4.2	<div style="margin-left: 20px;"> d) Demonstrate the ability to perform the following EMS functions within the incident management system during incidents involving multiple hazardous materials patients <ul style="list-style-type: none"> <li>EMS control</li> <li>Triage</li> <li>Treatment</li> <li>Disposition and transport</li> </ul> </div> <div style="text-align: right; margin-top: 20px;"> <div style="display: inline-block; width: 150px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: inline-block; width: 100px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between; width: 250px;"> <span>(Signature)</span> <span>/ / (Date)</span> </div> </div>
2.4.3	<p>Given a patient from a hazardous materials incident the Hazmedic Level I responder shall transport the patient as specified in the local emergency response plan and the organization's standard operating procedures. The responder shall be able to:</p> <div style="margin-left: 20px;"> a) Identify the capabilities of the medical facilities available in the local area to receive hazardous materials patients </div> <div style="text-align: right; margin-top: 20px;"> <div style="display: inline-block; width: 150px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: inline-block; width: 100px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between; width: 250px;"> <span>(Signature)</span> <span>/ / (Date)</span> </div> </div>






### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.4 Implementing the Planned Response

### No. Requirement

- 2.4.3 b) Identify the acceptable vehicles available to transport hazardous materials patients from the treatment area to a receiving facility

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- c) List the pertinent information that needs to be communicated to the receiving facility, including the following:

- Estimated time of arrival
- Age/sex
- Patient condition/chief complaint
- Associated injuries
- Routes extent and duration of chemical exposure
- Patient medical history
- Signs and symptoms
- Vital Signs
- Treatment, including decontamination and patient response
- Pertinent chemical characteristics

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### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.4 Implementing the Planned Response

### No. Requirement

- 2.4.3 d) Describe the actions necessary for the coordinated delivery of hazardous materials incident patients to a receiving facility

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- e) Explain the special hazards associated with air transportation of patients exposed to hazardous materials

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### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 2.5 Terminating the Incident

### No. Requirement

2.5.1 Upon termination of the hazardous materials incident, the Hazmedic Level I responder shall complete the reporting, documentation and EMS termination activities as required by the local emergency response plan or the organization's standard operating procedures. The responder shall be able to:

a) List the information to be gathered regarding the exposure of the patient and the EMS providers and describe the proper reporting procedures, including the following:

- Product information
- Routes, extent and duration of exposure
- Actions taken to limit exposure and contamination
- Treatment rendered
- Patient condition and disposition

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b) Identify situation that can necessitate critical incident stress debriefing intervention

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### Examiners Remarks

**Competency Checklist  
Competencies for HazMedic**

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level I shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

Area 2.5 Terminating the Incident	
No.	Requirement
	<div><div><ul style="list-style-type: none"><li>c) Describe the EMS provider's role in post-incident critique</li></ul></div><div><div>_____ (Signature)</div><div>_____/_____/_____ (Date)</div></div></div>
Examiners Remarks	

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 3 – 2.1 Analyzing the Hazardous Materials Incident

No.	Requirement
3.2.1	<p>a) Given an emergency involving hazardous materials the HazMedic shall determine the hazards to their fellow responders and patient. Define the following physical and chemical properties and discuss how they relate to the risk assessment process:</p> <ul style="list-style-type: none"> <li>• Boiling point</li> <li>• Flammable (explosive) limits</li> <li>• Flash point</li> <li>• Ignition temperature</li> <li>• Specific gravity</li> <li>• Vapor density</li> <li>• Vapor pressure</li> <li>• Water solubility</li> </ul> <div style="text-align: right; margin-top: 10px;"> <div style="display: inline-block; width: 150px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: inline-block; width: 100px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> </div> <div style="display: flex; justify-content: flex-end; margin-top: 5px;"> <div style="text-align: center; width: 150px;">(Signature)</div> <div style="text-align: center; width: 100px;">____/____/____ (Date)</div> </div> <p>b) Define the following terms:</p> <ul style="list-style-type: none"> <li>• Alpha radiation</li> <li>• Beta radiation</li> <li>• Gamma radiation</li> </ul> <div style="text-align: right; margin-top: 10px;"> <div style="display: inline-block; width: 150px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: inline-block; width: 100px; border-bottom: 1px solid black; margin-bottom: 5px;"></div> </div> <div style="display: flex; justify-content: flex-end; margin-top: 5px;"> <div style="text-align: center; width: 150px;">(Signature)</div> <div style="text-align: center; width: 100px;">____/____/____ (Date)</div> </div>






### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 3 – 2.1 Analyzing the Hazardous Materials Incident

### No. Requirement

c) Define the following toxicological terms and how they relate to risk assessment:

- Threshold Limit Value (TLV-TWA)
- Lethal concentration/doses (LD50/100)
- Parts per million/billion (ppm/ppb)
- Immediately dangerous to life and health (IDLH)
- Permissible exposure limit (PEL)
- Short-term exposure limit (STEL)
- Ceiling level (TLV-c)

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d) Given a specific hazardous material and using the information sources available to the HazMedic, extract the appropriate information about the physical and chemical properties, hazards, and suggested medical response for that chemical.

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(Date)

### Examiners Remarks



# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 3 – 2.2 Analyzing the Hazardous Materials Incident

### No. Requirement

3.2.2 Given a hazardous materials incident with a patient(s), the HazMedic shall assess the patient and conditions to determine the risk of secondary contamination. The HazMedic shall be able to:

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a) Identify sources of technical information for the performance of patient decontamination.

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b) Identify the factors that influence the decision of when and where to treat the patient and the extent of patient care, including the following:

- Hazardous material toxicity
- Patient condition
- Availability of decontamination

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### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 3 – 3.1 Competencies – Planning the Response

### No. Requirement

- 3.3.1 Given a plan of action by the incident commander, the HazMedic shall describe his/her role in a hazardous materials incident as identified in the local ERP or the organization's SOP's. The HazMedic shall be able to describe the importance of coordination between various agencies at the scene of hazardous materials incidents.

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### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 3 – 3.2 Competencies – Planning for the Response

No.	Requirement
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3.3.2	<p>a) Given a hazardous materials incident, the HazMedic shall plan a response to provide the appropriate level of emergency medical care to persons involved in hazardous materials incidents and to provide medical support to hazardous materials response personnel. The HazMedic shall be able to:</p>
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- EMS control activities
- EMS component of an IMS
- Medical monitoring of personnel utilizing chemical protective and temperature protective clothing
- Triage of hazardous materials victims
- Medical treatment for chemically contaminated Individuals
- Product and exposure information gathering and documentation

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Examiners Remarks
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# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 3 – 3.2 Competencies – Planning the Response

No.	Requirement
	<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 60%;"> <p>b) Describe the importance of pre-emergency planning relating to specific sites</p> <p>c) Describe the hazards and precautions to be observed when approaching a hazardous materials incident</p> <p>d) Describe the considerations associated with the placement, location, and setup of the patient decontamination site</p> <p>e) Explain the advantages and limitations of the following techniques of decontamination and how they are or are not applicable to patient decontamination:</p> <ul style="list-style-type: none"> <li>• Absorption</li> <li>• Chemical degradation</li> <li>• Dilution</li> <li>• Isolation</li> </ul> </div> <div style="width: 35%;"> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 45%;"> <p>_____ (Signature)</p> <p>_____ (Signature)</p> <p>_____ (Signature)</p> <p>_____ (Signature)</p> </div> <div style="width: 45%;"> <p>_____/____/____ (Date)</p> <p>_____/____/____ (Date)</p> <p>_____/____/____ (Date)</p> <p>_____/____/____ (Date)</p> </div> </div> </div> </div>
<h3>Examiners Remarks</h3>	

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 3 – 3.2 Competencies – Planning the Response

No.	Requirement
	f ) Describe when it would be prudent to pull back from a hazardous materials incident
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Examiners Remarks	

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 3 – 3.3 Competencies – Planning the Response

No.	Requirement
3.3.3	<p>Given the name of the hazardous material and the type, duration, and extent of exposure, the HazMedic shall determine if the protective clothing and equipment available to EMS personnel is appropriate to implement the planned response. The HazMedic shall be able to:</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 60%;"> <p>a) Identify the advantages and dangers of search and rescue missions at hazardous materials incidents</p> <p>b) Identify the advantages and hazards associated with the rescue, extrication, and removal of a victim from a hazardous materials incident</p> <p>c) Describe the types, application, use, and limitations of protective clothing used by EMS personnel at hazardous materials incidents</p> <p>d) Demonstrate how to interpret a chemical compatibility chart for chemical protective clothing</p> </div> <div style="width: 35%;"> <div style="margin-bottom: 10px;"> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="text-align: center;">(Signature)</div> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="text-align: center;">(Date)</div> </div> <div style="margin-bottom: 10px;"> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="text-align: center;">(Signature)</div> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="text-align: center;">(Date)</div> </div> <div> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="text-align: center;">(Signature)</div> <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="text-align: center;">(Date)</div> </div> </div> </div>
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# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

<b>Area 3 – 4.1</b> <b>Competencies – Implementing the Planned Response</b>	
No.	Requirement
3.4.1	<p>Given a plan for providing patient care at a hazardous materials incident, the HazMedic shall perform the preparations necessary to receive the patient for treatment and transport. The HazMedic shall be able to demonstrate the proper donning, doffing, and usage of all personal protective equipment provided to the HazMedic by the authority having jurisdiction.</p> <div style="display: flex; justify-content: flex-end; margin-top: 20px;"> <div style="border-bottom: 1px solid black; width: 150px; margin-right: 20px;"></div> <div style="text-align: center;">(Signature)</div> <div style="border-bottom: 1px solid black; width: 50px; margin-right: 20px;"></div> <div style="text-align: center;">(Date)</div> </div>
3.4.2	<p>At the scene of a hazardous materials incident, the HazMedic shall be able to provide or coordinate the Patient care. The HazMedic shall be able to:</p> <div style="margin-left: 20px;"> <p>a) Given a simulated hazardous materials incident and using local available resources, demonstrate the implementation of the patient decontamination procedure (see Appendix E)</p> <div style="display: flex; justify-content: flex-end; margin-top: 20px;"> <div style="border-bottom: 1px solid black; width: 150px; margin-right: 20px;"></div> <div style="text-align: center;">(Signature)</div> <div style="border-bottom: 1px solid black; width: 50px; margin-right: 20px;"></div> <div style="text-align: center;">(Date)</div> </div> <p>b) Explain the principles of emergency decontamination and its application for critically ill patients</p> <div style="display: flex; justify-content: flex-end; margin-top: 20px;"> <div style="border-bottom: 1px solid black; width: 150px; margin-right: 20px;"></div> <div style="text-align: center;">(Signature)</div> <div style="border-bottom: 1px solid black; width: 50px; margin-right: 20px;"></div> <div style="text-align: center;">(Date)</div> </div> <p>c) Demonstrate the ability to coordinate patient care activities, including treatment, disposition, and transportation of patients</p> <div style="display: flex; justify-content: flex-end; margin-top: 20px;"> <div style="border-bottom: 1px solid black; width: 150px; margin-right: 20px;"></div> <div style="text-align: center;">(Signature)</div> <div style="border-bottom: 1px solid black; width: 50px; margin-right: 20px;"></div> <div style="text-align: center;">(Date)</div> </div> </div>
<b>Examiners Remarks</b>	

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 3 – 4.2 Competencies – Implementing the Planned Response

No.	Requirement
3.4.2	<p>At the scene of a hazardous materials incident, the HazMedic shall be able to provide or coordinate the Patient care. The HazMedic shall be able to:</p> <p>a) Given a simulated hazardous materials incident and using local available resources, demonstrate the implementation of the patient decontamination procedure (see Appendix E)</p> <div style="display: flex; justify-content: flex-end; margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 150px; margin-right: 10px;"></div> <div style="text-align: center;">(Signature)</div> <div style="border-bottom: 1px solid black; width: 50px; margin-right: 10px;"></div> <div style="text-align: center;">(Date)</div> </div> <p>b) Explain the principles of emergency decontamination and its application for critically ill patients</p> <div style="display: flex; justify-content: flex-end; margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 150px; margin-right: 10px;"></div> <div style="text-align: center;">(Signature)</div> <div style="border-bottom: 1px solid black; width: 50px; margin-right: 10px;"></div> <div style="text-align: center;">(Date)</div> </div> <p>c) Demonstrate the ability to coordinate patient care activities, including treatment, disposition, and transportation of patients</p> <div style="display: flex; justify-content: flex-end; margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 150px; margin-right: 10px;"></div> <div style="text-align: center;">(Signature)</div> <div style="border-bottom: 1px solid black; width: 50px; margin-right: 10px;"></div> <div style="text-align: center;">(Date)</div> </div>
Examiners Remarks	



## Competency Checklist

### Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

### Area 3 – 4.3

#### Competencies – Implementing the Planned Response

No.	Requirement
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3.4.3 Given simulated hazardous materials incident, the HazMedic shall be able to demonstrate the ability to establish and manage the EMS component of an incident management system.

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### Examiners Remarks

# Competency Checklist

## Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

### Area 3 – 4.4

#### Competencies – Implementing the Planned Response

No.	Requirement
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3.4.4	Given a simulated hazardous materials incident, the HazMedic shall perform medical support of hazardous materials incident response personnel. The HazMat shall be able to:
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a) Explain the components of pre-entry and post-entry assessment, including the following:

- Vital signs
- Body weight
- General health
- Neurological status
- EKG, if available

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b) Explain the following factors and how they influence heat stress for hazardous materials response personnel:

- Hydration
- Physical fitness
- Environmental factors
- Activity levels
- Level of PPE

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#### Examiners Remarks

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 3 – 4.4 Competencies – Implementing the Planned Response

No.	Requirement
	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>c) Explain the medical monitoring protocols and demonstrate medical monitoring procedures for personnel at the scene of a hazardous materials incident.</p> <p>d) Describe the criteria for site selection of a medical monitoring station.</p> <p>e) Demonstrate the ability to set up and operate a medical monitoring station.</p> <p>f) Demonstrate the ability to interpret and analyze data obtained from medical monitoring of hazardous materials response personnel.</p> <p>g) Given a simulated hazardous materials incident, demonstrate proper documentation of medical monitoring.</p> </div> <div style="width: 20%; text-align: center;"> <p>_____ (Signature)</p> <p>_____ (Signature)</p> <p>_____ (Signature)</p> <p>_____ (Signature)</p> <p>_____ (Signature)</p> </div> <div style="width: 20%; text-align: center;"> <p>_____/_____/_____ (Date)</p> <p>_____/_____/_____ (Date)</p> <p>_____/_____/_____ (Date)</p> <p>_____/_____/_____ (Date)</p> <p>_____/_____/_____ (Date)</p> </div> </div>
<h3>Examiners Remarks</h3>	

# Competency Checklist Competencies for HazMedic

HazMedic \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

*The goal of the competencies for the HazMedic Level II shall be to provide the knowledge and skill necessary to perform and/or coordinate patient care activities and medical support of hazardous materials response personnel in the warm zone.*

## Area 3.5 Competencies – Terminating the Incident

No.	Requirement		
3.5.1	<p>Upon termination of the hazardous materials incident, the HazMedic shall complete the reporting, documentation, and EMS termination activities as required by the local emergency response plan or the organization's SOP's. The HazMedic shall be able to:</p> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 60%;">a) Describe the information regarding incident EMS activities that needs to be relayed through the chain of command to the incident commander.</div> <div style="width: 20%; text-align: center;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>           (Signature)         </div> <div style="width: 20%; text-align: center;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>           / / (Date)         </div> </div> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 60%;">b) Describe the activities required in terminating the EMS component of a hazardous materials incident.</div> <div style="width: 20%; text-align: center;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>           (Signature)         </div> <div style="width: 20%; text-align: center;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>           / / (Date)         </div> </div> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 60%;">c) Describe the process and demonstrate the ability to conduct the EMS portion of an incident critique.</div> <div style="width: 20%; text-align: center;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>           (Signature)         </div> <div style="width: 20%; text-align: center;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>           / / (Date)         </div> </div> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 60%;">d) Explain the of making revisions to EMS operating procedures and response capabilities as a result of information learned.</div> <div style="width: 20%; text-align: center;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>           (Signature)         </div> <div style="width: 20%; text-align: center;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>           / / (Date)         </div> </div> </div> </div> </div> </div> <div data-bbox="617 1442 985 1486" data-label="Section-Header"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Examiners Remarks</th> </tr> </thead> <tbody> <tr> <td style="height: 150px;"></td> </tr> </tbody> </table> </div>	Examiners Remarks	
Examiners Remarks			