

Performance Measures	GO	NO GO
6. Assumed MOPP4. Covered all his skin.	___	___
7. Decontaminated personal equipment using the individual decontaminating kit as necessary.	___	___
8. Notified the supervisor of any CB hazard markers or indicators.	___	___
9. Continued the mission.	___	___

**Evaluation Guidance:** Score the soldier GO if all performance measures are passed. Score the soldier NO GO if any performance measure is failed. If the soldier fails any performance measure, show him what was done wrong how to do it correctly.

**References**

**Required**

DA Form 1594  
 FM 3-4  
 TM 3-4230-229-10  
 TM 3-4230-235-10

**Related**

FM 3-5

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**031-503-1035**

**Protect Yourself from Chemical/Biological Contamination Using Your Assigned Protective Mask**

**Conditions:** You are given your assigned protective mask with hood and carrier, a canteen with an M1 canteen cap, an M291 skin decontamination kit, an M295 decontamination kit, M8 detector paper, and applicable technical manuals (TMs). You find yourself in one of the following situations:

1. You hear or see a chemical or biological (CB) attack.
2. You realize, through other means, that you are under a CB attack.
3. You are ordered to mask.
4. You must enter a contaminated area.

After having donned your protective mask, you need to drink from your canteen.

**Standards:** Protect yourself from chemical or biological contamination using your assigned protective mask. Don, clear, and check your mask within 9 seconds. Drink water through your protective mask from your canteen without becoming a casualty.

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**Performance Steps**

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**1. Don the mask as quickly as possible.**

- a.** Stop breathing and close your eyes.
- b.** Remove your helmet.

**(1)** If you have the M17-, M24-, M25-, M40-, M43-, or M45-series protective mask, put your helmet between your legs (above your knees) or hold your rifle between your legs and place your helmet on the muzzle. If you drop your helmet, continue to mask.

**(2)** If you have the M42-series protective mask, remove your helmet and place it in a convenient location. Avoid placing it on a contaminated surface if possible.

**WARNING**

Do not wear contact lenses with the protective mask. Remove contact lenses when the use of chemical agents is imminent.

- c.** Take off your glasses if applicable.
- d.** Open the mask carrier with one hand.
- e.** Grasp the mask assembly with your other hand, and remove it from the carrier.
- f.** Put your chin in the chin pocket, and press the facepiece snugly against your face.

**Note.** The temple and forehead straps have already been adjusted during fitting.

**g.** Grasp the tab and pull the head harness over your head. Ensure that your ears are between the temple straps and the cheek straps. Ensure that the head harness is pulled far enough over so the forehead straps are tight.

**h.** Use one hand to tighten the cheek straps, one at a time, while holding the head pad centered on the back of your head with the other hand. Ensure that the straps lay flat against your head.

**2. Clear the mask.**

- a.** Seal the outlet valve by pushing in on the center of the outlet valve cover with one hand.
- b.** Blow out hard to ensure that any contaminated air is forced out around the edges of the facepiece.

**3. Check the mask.**

**a.** Cover the inlet port of the filter canister (M40- and M45-series) or the inlet port of the armor quick disconnect (M42-series) with the palm of your hand, and breathe in.

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**Performance Steps**

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**b.** Ensure that the facepiece collapses against your face and remains so while you hold your breath (indicates that the mask is airtight).

**c.** Remove any hair, clothing, or other matter between your face and the mask if the facepiece does not collapse to your face.

**d.** Notify your nuclear, biological, and chemical (NBC) noncommissioned officer (NCO) in charge if it still does not collapse.

**4.** Complete steps 1 through 3 within 9 seconds.

**5.** Resume breathing.

**Note.** There are no time standards for donning the hood.

**6.** Secure the mask hood.

**CAUTION**

Be careful when pulling on the hood, because it could snag on the buckles of the head harness and tear.

**a.** If you have the M17-, M25-, M42-, or M43-series protective mask, pull the hood over your head and zip the front closed to cover all bare skin.

**b.** If you have the M24- or M45-series protective mask, pull the M7 hood over your helmet and head so that it covers your shoulders.

**c.** If you have the M40-series protective mask, don the hood so it lies smoothly on your head.

**(1)** For masks equipped with the regular hood--

**(a)** Grasp the back edge of the hood skirt.

**(b)** Pull the hood completely over your head so it covers the back of your head, neck, and shoulders.

**(c)** Zip the front of the hood closed by pulling the zipper slider downward.

**(d)** Tighten the drawcord.

**(e)** Secure the underarm straps by fastening and adjusting them.

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**Performance Steps**

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(f) Put on your helmet. If you have a combat vehicle crewman (CVC) helmet—

- 1** Disconnect the boom microphone from the helmet.
- 2** Connect the mask microphone to the receptacle in the helmet.
- 3** Grasp the helmet next to the ear cups, with your hand spread as far as possible.
- 4** Place the helmet over your head, tilting the helmet forward slightly so the first contact when putting it on is with the forehead surface of the mask.
- 5** Rotate the helmet back and down over your head until it is seated in position.

(g) Close your mask carrier.

(h) Continue your mission.

(2) For masks equipped with the quick-doff hood—

(a) Place your hands inside the hood, and expand the elastic gathering around the neck of the hood.

(b) Stretch and carefully pull the hood over your head so the hood covers your head, neck, and shoulders.

(c) Fasten and adjust the underarm straps.

(d) Put on the helmet. If you have the CVC helmet—

- 1** Disconnect the boom microphone from the helmet.
- 2** Connect the mask microphone to the receptacle in the helmet.
- 3** Grasp the helmet next to the ear cups, with your hand spread as far as possible.

**4** Place the helmet over your head, tilting the helmet forward slightly so the first contact when putting it on is with the forehead surface of the mask.

**5** Rotate the helmet back and down over your head until it is seated in position.

(e) Close your mask carrier.

(f) Continue your mission.

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**Performance Steps**

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**WARNING**

Do not connect the quick-disconnect coupling half to your canteen until all surfaces are free of contamination. Chemical contamination could enter your mouth, resulting in you becoming a casualty.

**WARNING**

Do not break the mask seal while drinking from the canteen.

7. Drink water while wearing the mask. (Does not apply to M17- or M24-series masks.)

a. Press in on the top of the outlet valve cover until the internal drink tube can be grasped between your teeth.

b. Steady the mask assembly, and pull the quick-disconnect coupling out of the outlet valve cover.

c. Flip open the cover on the M1 canteen cap.

d. Push the quick-disconnect coupling into the canteen cap so that the pin enters the quick-disconnect coupling.

**WARNING**

If resistance is not felt, your drinking system is leaking. Do not drink. Replace your canteen. If resistance is still not felt, notify your NBC noncommissioned officer (NCO).

e. Blow to create positive pressure. You should feel some resistance.

**Note.** Do not tilt your head back while drinking.

f. Raise the canteen upside down, and drink if the system does not leak.

g. Stop drinking after several swallows, and lower the canteen. Blow into the internal drink tube to prevent the canteen from collapsing. Repeat the drinking procedure as required.

h. Disconnect the drinking system according to the appropriate TM.

8. Remove and store the mask according to the appropriate TM.

9. Perform all steps in sequence without becoming a casualty.

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**Evaluation Preparation:**

*Setup:* Evaluate this task during a field exercise or a tactical training session. Use a mask previously fitted to the soldier's face. The soldier will bring his flight or CVC helmet. The soldier should be in MOPP4. Do not use a new decontamination kit for every soldier; use the kit as long as possible.

Ensure that the soldier has M8 detector paper in the mask carrier before testing. If the soldier has not made adequate progress towards drinking from the canteen after 2 minutes, stop him and give him a NO GO. This time standard is administrative.

*Brief Soldier:* Tell the soldier to stand while wearing his mask carrier containing his assigned protective mask with hood attached. If applicable, tell him to remove his eyeglasses and/or contact lenses before starting the evaluation. Provide the soldier with one of the scenarios described in the conditions statement (cue to begin masking). Tell him to keep the mask on until you issue the all-clear order. Tell the soldier that all time standards are for administrative (noncombat) evaluation purposes only. Tell him to drink water while wearing his assigned mask. Tell him that there are no time standards for this task; but for testing purposes, he should be able to drink within 2 minutes.

Performance Measures	GO	NO GO
1. Donned the mask as quickly as possible.	___	___
2. Cleared the mask.	___	___
3. Checked the mask.	___	___
4. Completed steps 1 through 3 within 9 seconds.	___	___
5. Resumed breathing.	___	___
6. Secured the mask hood.	___	___
7. Drank water while wearing the mask.	___	___
8. Removed and stored the mask.	___	___
9. Performed all steps in sequence without becoming a casualty.	___	___

**Evaluation Guidance:** Score the soldier GO if all performance measures are passed. Score the soldier NO GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- FM 3-3
- FM 3-4
- TM 3-4240-279-10

**Related**

3-140

031-503-1035

## References

### Required

TM 3-4240-280-10

TM 3-4240-346-10

### Related

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## 031-503-1036

### Maintain Your Assigned Protective Mask

**Conditions:** You have used your assigned protective mask or must conduct a scheduled mask inspection. You are given your assigned protective mask (with authorized accessories and components); a container of warm, soapy water; soap; a container of warm, clear water; cheese cloth or clean rags; a small cleaning brush; alcohol; optical lens cleaning compound (national stock number [NSN] 6850-00-592-3283); the applicable technical manual (TM); Department of the Army (DA) Form 2404; spare parts for the masks; and a set of replacement filters (M17-series mask) or a replacement canister. This task cannot be performed in mission-oriented protective posture (MOPP) 4.

**Standards:** Maintain your assigned protective mask. Perform preventive-maintenance checks and services (PMCS) on the mask according to the applicable TM. Clean and dry the mask. Do not damage the mask. Record uncorrected deficiencies and shortcomings on DA Form 2404, and report them to the supervisor.

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**Performance Steps**

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**WARNING**

Do not attempt to remove the hose from the facepiece on the M42 protective mask. This may cause leakage of toxic agents into the facepiece.

**CAUTION**

Do not dunk the mask or the carrier in water. Wash the mask carefully so the canister and the microphone do not get wet. Keep water away from the inlet valve connections

**CAUTION**

Ensure that all components are entirely dry before reassembling the mask and storing it.

**Note.** Each soldier, under the supervision of a qualified 54B (chemical operations specialist) or another trained person, must care for and maintain his protective mask.

1. Conduct operator PMCS on the protective mask, the carrier, the hood, and the accessories according to the applicable TM.
  - a. Identify deficiencies and shortcomings.
  - b. Correct operator deficiencies.
  - c. Record all uncorrected deficiencies and shortcomings on DA Form 2404, and report them to the supervisor.
2. Clean and dry the mask, the hood, and the authorized accessories and components according to the applicable TM.
3. Replace defective components and parts according to the applicable TM. Replace damaged and outdated filter elements or canisters according to the applicable supply bulletin.
4. Store the mask, the hood, and the accessories in the carrier according to the applicable TM.
5. Perform steps 1 through 4 without damaging the mask.

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**Evaluation Preparation:**

*Setup:* A good time to evaluate this task is during normal care and cleaning of the mask. Place the required equipment on a field table or another suitable surface. Simulate defects in the mask by removing components from the mask or using a defective mask not issued to the soldier. During training and evaluation sessions, use an old set of filters or canister several times to avoid expending new ones each time. If the soldier has not made adequate progress completing the task within 30 minutes, stop him and give him a NO GO. This time standard is administrative.

**Brief Soldier:** Tell the soldier there is no time standard for this task on the job; but for testing purposes he must perform the task within 30 minutes. Tell him to perform operator PMCS on the mask, to clean and condition his assigned protective mask, and to replace the filters in the mask. Tell the soldier that completing a DA Form 2404 is not part of the task.

Performance Measures	GO	NO GO
1. Conducted operator PMCS on the protective mask, the carrier, the hood, and the accessories according to the applicable TM.	___	___
2. Cleaned and dried the mask, the hood, and the authorized accessories and components according to the applicable TM.	___	___
3. Replaced defective components and parts according to the applicable TM. Replaced damaged and outdated filter elements or canisters according to the applicable supply bulletin.	___	___
4. Stored the mask, the hood, and the accessories in the carrier according to the applicable TM.	___	___
5. Performed steps 1 through 4 without damaging the mask.	___	___

**Evaluation Guidance:** Score the soldier GO if all performance measure are passed. Score the soldier NO GO if any performance measure is failed. If the soldier fails any performance measure, show him what was done wrong and how to do it correctly.

#### References

##### Required

DA Form 2404  
 TM 3-4240-279-10  
 TM 3-4240-280-10

##### Related

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## 031-503-1037

### Detect Chemical Agents Using M8 or M9 Detector Paper

**Conditions:** You are in a tactical environment or an area where there is a chemical threat and are in mission-oriented protective posture (MOPP) 2. You are given a protective mask, a booklet of M8 detector paper, a dispenser of M9 detector paper, an M256A1 chemical agent detector kit,