



M52 Joint Service Chemical Environment Survivability Mask (JSCESM)

JPMO Individual Protection

Training Introduction

For

The Joint Service Chemical Environment Survivability Mask (JSCESM)





Introduction to JSCESM

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- The JSCESM is a state-of-the-art protective escape hood respirator designed to keep you alive during escape from an incident involving chemical and biological warfare agents.
- If the JSCESM is put on correctly and used properly, it can provide respiratory protection during escape from an incident.
- You must be prepared before an emergency occurs, so it is very important that you learn how to don and use the JSCESM before an incident occurs.



Description

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- Designed to be lightweight, low bulk, short duration.
- Capable of providing the Warfighter with above the neck, respiratory and ocular protection against low-level CBR attack.
- Commercial-Off-The-Shelf (COTS)



Description

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- One-size-fits all. (Adults Only)**
- Disposable.**
- Inexpensive**



Description

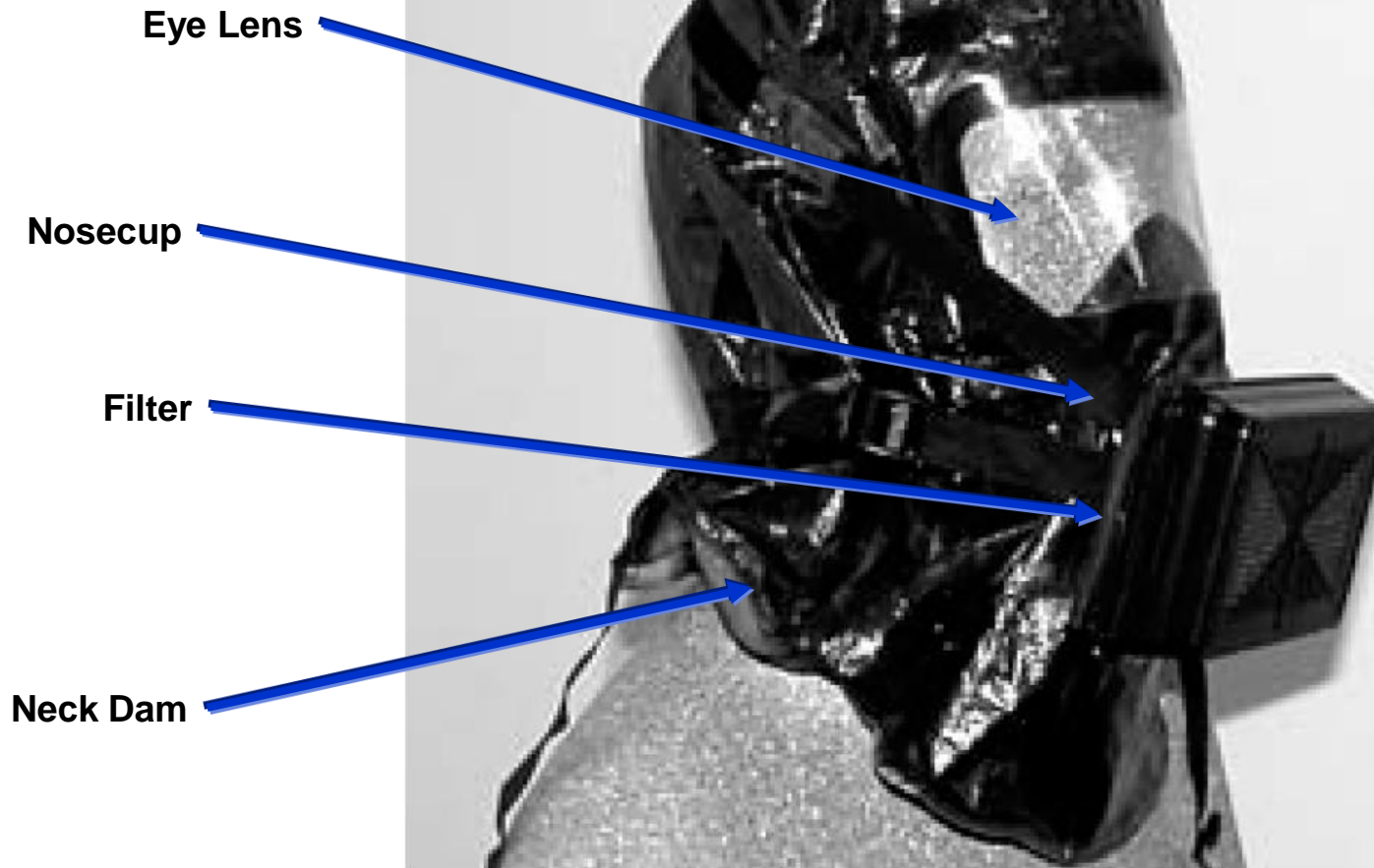
JPMO Individual Protection

- An Escape Hood Respirator that offers protection against biological agents such as anthrax and tuberculosis.
- Also provides protection from warfare chemicals such as Tabun, Sarin and Mustard.



Major Features

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Donning Procedures

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- Secure Long hair above neckline.
- Remove neckties, scarves, necklaces, or other neckwear items.
- Unbutton and open your shirt collar.
- Remove the JSCESM from its protective bag.





Donning Procedures (cont.)

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- ❑ Grasp filter with one hand and pull the neck dam over the nose cup.
- ❑ Hook the rubber neck dam under your chin.
- ❑ Pull the neck dam up and over your head in a single fluid motion.

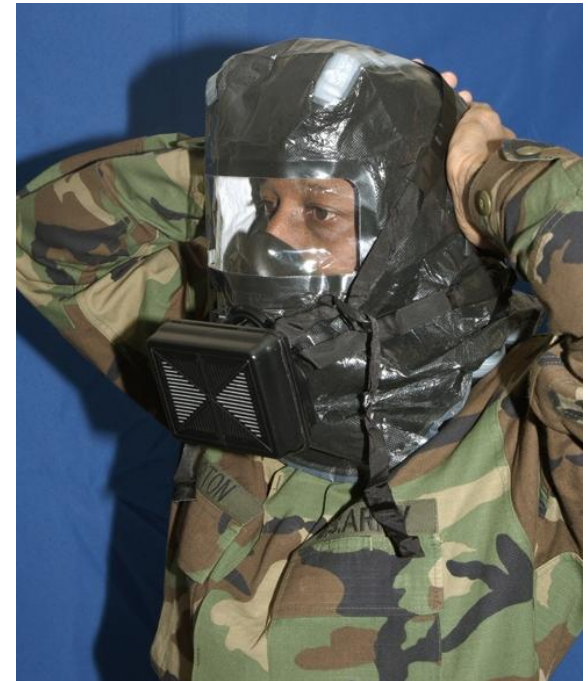




Warnings & Cautions

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- The hood seals around your neck. Ensure that your neck is free and clear of hair, clothing, jewelry, and any other items that may interfere with the neck seal.
- If the hood is not smooth across the top of your head the nose cup will not fit properly. Adjust the strap tension so that the nose cup is snug on your face and there are no obvious leak paths.





Warnings & Cautions (cont.)

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- ❑ If hood inflates and deflates when breathing the nosecup is not properly fitted. You must reposition the nosecup and retighten the hood straps.





Donning Procedures

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- ❑ Position the bottom of the nose cup as low as possible under your chin, and the narrow top of the nose cup on the bridge of your nose. This optimizes both fit and vision.





Donning Procedures (cont.)

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- If you wear glasses, position the nose cup to fit just below them.
- Hold the filter and smooth the top of the hood across the top of your head. The visor should be close to your eyes for maximum field of view.
- Using both hands, squeeze the hood against both cheeks so that the nose cup is moving slightly away from your face. You must remove excess air from the hood for the straps to tighten securely.



Donning Procedures (cont.)

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- Hold the filter and smooth the top of the hood across the top of your head. The visor should be close to your eyes for maximum field of view.
- Using both hands, squeeze the hood against both cheeks so that the nose cup is moving slightly away from your face. You must remove excess air from the hood for the straps to tighten securely.
- Repeat both steps one more time to completely remove access air.



Donning Procedures (cont.)

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- ❑ Hold the filter with your left hand and adjust the right hand strap.



- ❑ Hold the filter with your right hand and adjust the left hand strap.





Donning Procedures (cont.)

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- Strap tension may be released by pushing on the back side of the buckles.**
- Remove any rolls, folds, or creases in the neck dam to maximize the seal.**
- Verify that no clothing, hair or jewelry interferes with the seal between your neck and the neck dam.**



Warnings & Cautions

Maintenance Checks

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- Using the JSCESM in a contamination environment after the expiration date may result in personal injury, serious illness, or death.**
- If holes or cuts have damaged the JSCESM pouch, The JSCESM must be discarded and replaced. If there are holes or cuts in the pouch there may be holes or cuts in the JCSESM. Even holes not visible to the naked eye will allow contamination to enter the JSCESM causing personal injury, serious illness, or death.**



Maintenance Concept

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- No Maintenance Requirement.
- No Special Tools are required.



Maintenance Checks

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- Upon receipt and every 30 days thereafter inspect the pouch for holes or cuts. Mask is unserviceable if any holes or cuts are found in the pouch.**
- Note the expiration date on pouch. JCSESM must be discarded once the expiration date on the pouch has passed.**