

# Testing True with PATS

ARE YOU TWO READY FOR SOME SERIOUS TESTING?



YOU BET!

OH YEAH!

THE M41 PROTECTION ASSESSMENT TEST SYSTEM (PATS) WILL GIVE YOUR UNIT'S MASKS A TRUE TEST, NBC NCOS...

IF YOU REMEMBER

# 5

POINTS...

**1 Zero check PATS.** Attach the HEPA filter to the clear sample tube, making sure the arrow on the filter points towards PATS. Watch the display. The reading should be 0.6 or less within 30 seconds. If the reading is higher, there's a leak. Do the troubleshooting on Page 0011 00-4 in TM 3-4240-349-12&P.

Reading over 0.6?  
Troubleshoot for a leak

**3 Try to get a particle count of 3 or less** after removing the HEPA filter and connecting tube assembly to the mask's drink tube. If you can't, there's no use doing any further testing—something's wrong. The mask is either the wrong size or not working. Have the soldier do PMCS on the mask and try again.

Particle count over 3.0? Do PMCS on mask

**2 Prepare the mask for a fit test.** Release the drink valve retaining lever. Have the soldier put on the mask. Adjust the face piece and tighten the head harness. Make sure no hair is underneath the sealing surface of the face piece.

Soldier should not be able to breathe in with drink tube and cannister blocked

Check the seal by blocking the open end of the drink tube and the canister and having the soldier breathe in. The soldier shouldn't be able to draw a breath and the mask should tighten against the face. If not, the mask is leaking.

**4 Make sure the soldier doesn't eat, drink, use mouthwash or smoke at least 30 minutes before testing.** He or she should also wash off all colognes and lotions. There should be no gum chewing or talking during testing. All of these can throw off the tests.



**5 Don't let moisture in the tube assembly get in the PATS.** That can damage the PATS. When you take off the tubes, pull the tubes off without lifting them. Otherwise, moisture drains down the tubes into the PATS. To dry the tubes, hang them up in the middle so both ends point down until the assembly is completely dry. Never use a tube assembly that's damp.

Hang tubes up to dry

If you have questions about PATS, call the PATS helpline at (800) 926-8378. Outside of CONUS, call (651) 490-3849 or e-mail [nbc@tsi.com](mailto:nbc@tsi.com) or go to <http://nbc.tsi.com/>