

### MK 25 MOD 2 PREDIVE CHECKLIST

For use of this form, see FM 3-05.212; the proponent agency is TRADOC.

<b>DIVER NAME</b>				<b>RATE</b>			<b>DATE (YYYYMMDD)</b>			<b>RIG #</b>
<b>O2 BOTTLE:</b> #1 #2 #3			<b>PRESSURE:</b> #1 #2 #3			<b>BAR CO2 ABSORBENT</b>				
<b>S. BOTTLES:</b> 1/1 2/2 3/3			<b>PRESSURE:</b> 1/1 2/2 3/3			<b>PSIG LOCATION</b>				
<b>WATER TEMP</b>			<b>PREDIVE START TIME</b>			<b>PREDIVE COMPLETION</b>				
<b>DIVE #2 TIME</b>					<b>DIVE #3 TIME</b>					

**NOTE:** Refer to MRC for detailed step-by-step procedures. Inspect all components for dirt, damage, deterioration, or residual water during initial setup.

INITIALS			
DIVE 1	DIVE 2	DIVE 3	
			1. Gauge O2 bottle for minimum operating pressure and record above.
			2. Inspect or charge Secumar bottles, record pressure above.
			3. Inspect and fill scrubber canister with absorbent.
			4. Inspect equipment housing, straps, and hose slots.
			5. Check two-hand tight fittings on low pressure line.
			6. Inspect and check operation of the one-way valves in the supply and exhaust hoses.
			7. Inspect and attach supply and exhaust hoses to mouthpiece, close dive/surface valve.
			8. Inspect and attach the breathing bag to the scrubber canister.
			9. Attach the supply hose to the breathing bag and insert muff into bag.
			10. Attach the exhaust hose to the scrubber canister.
			11. Attach the breathing bag to the demand valve.
			12. Install scrubber canister in proper orientation, ensure canister retainer strap is in proper orientation.
			13. Insert the supply and exhaust hoses into the hose slots.
			14. Set rig on deck and inspect and attach full O2 bottle. Do not open.
			15. Install breathing bag safety cord.
			16. Fasten O2 bottle retaining straps. Check safety cord for loose fit.
			17. Deplete breathing bag. Close dive surface valve. Observe breathing bag for 2 minutes. No leakage allowed.
			18. Diving supervisor checks previous steps.
			19. Diving supervisor opens supply valve, records O2 bottle pressure. <i>(Must be +/- 10 BAR of pressure from Step 1.)</i>
			20. Diving supervisor depresses bypass knob until breathing bag is full. Do not overfill. <i>(Normal fill time 6 to 8 seconds, maximum 12 seconds.)</i>
			21. With the rig inflated, dip complete rig in water. No bubbles from gas leakage are allowed.
			22. Close supply valve, suck down breathing bag, close dive surface valve, and notify dive supervisor.

<b>DIVER SIGNATURE</b>			<b>DIVING SUPERVISOR SIGNATURE</b>		
<b>DIVE #2</b>			<b>DIVE #2</b>		
<b>DIVE #3</b>			<b>DIVE #3</b>		