

24 February 2015

## **SEMANTICALLY ENABLED AUTOMATED ASSESSMENT IN VIRTUAL ENVIRONMENTS (SAVE) – VERSION 1.2**

### **M4 EXERCISE STEPS: “CLEAR THE WEAPON”**

Project Document No: SAVE 15-003-R1

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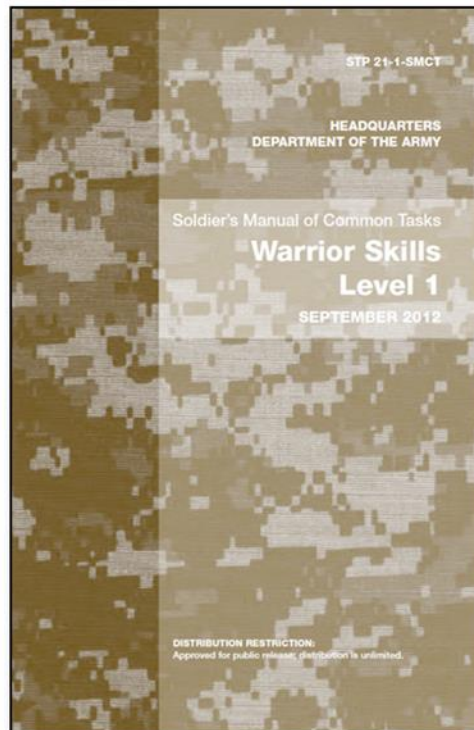
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## **1. EXERCISE SOLUTION (INSTRUCTOR)**

Below are the procedural steps that comprise the initial exercise solution for the M4 Exercise “Clear the weapon”. These are the sequence of inputs that the instructor would interactively perform in the SAVE Exercise UI (EUI) when authoring the standard against which a student is to later be assessed (for example, see Section 2). Figure 1 below shows the Soldier Training Publication (STP) 21-1-SMCT, which served as a reference for these developing these steps.

- 1. Point Weapon at Targets**
- 2. Select Switch Position = SAFE**
- 3. Push Magazine Release Button**
- 4. Pull and Hold Charging Handle**
- 5. Push and Hold Bolt Catch Bottom**
- 6. Release Charging Handle**
- 7. Release Bolt Catch Bottom**
- 8. Push Charging Handle Forward**
- 9. Inspect Chamber for Ammo**
- 10. Select Switch Position = SAFE**
- 11. Push Bolt Catch Top**
- 12. Select Switch Position = SEMI**
- 13. Pull Trigger**
- 14. Pull and Hold Charging Handle**
- 15. Release Charging Handle**
- 16. Select Switch Position = SAFE**

[https://armypubs.us.army.mil/doctrine/DR\\_pubs/dr\\_aa/pdf/stp21\\_1.pdf](https://armypubs.us.army.mil/doctrine/DR_pubs/dr_aa/pdf/stp21_1.pdf)



Soldier Training Publication  
No. 21-1-SMCT

Warrior Skills Level 1 Tasks		
<b>Subject Area 1: Shoot/Maintain, Employ, and Engage with Assigned Weapon System</b>		
<b>071-100-0032</b>		
<b>Maintain an M16 Series Rifle/M4 Series Rifle Carbine</b>		
<b>Performance Steps</b>		
<p align="center"><b>WARNING</b> Weapon must be cleared to be considered safe.</p>		
<ol style="list-style-type: none"> <li>1. Clear the weapon.               <ol style="list-style-type: none"> <li>a. Point weapon in safe direction.</li> <li>b. Attempt to place the selector lever on SAFE.</li> </ol> </li> <li><i>Note:</i> If weapon is not cocked, lever can't be pointed toward safe.</li> <li>c. Remove the magazine from the weapon, if present.</li> <li>d. Lock the bolt open.               <ol style="list-style-type: none"> <li>(1) Pull the charging handle rearward.</li> <li>(2) Press the bottom of the bolt catch.</li> <li>(3) Move the bolt forward until it engages the bolt catch.</li> <li>(4) Return the charging handle to the forward position.</li> <li>(5) Ensure the receiver and chamber are free of ammo.</li> </ol> </li> <li>e. Place the selector lever on safe.</li> <li>f. Press the upper portion of the bolt catch to allow the bolt to go forward.</li> <li>g. Place the selector lever from SAFE to SEMI.</li> <li>h. Squeeze trigger.</li> <li>i. Pull the charging handle fully rearward and release it, allowing the bolt to return to the full forward position.</li> <li>j. Place the selector lever on SAFE.</li> </ol>		
STP-21-1-SMCT	11 September 2012	3-1

Task 071-100-0032

Performance Step 1a-1j: Clear the Weapon

Figure 1. STP 21-1-SMCT served as a reference for the procedural steps of the example weapon-clearing exercise.

## 2. EXAMPLE PERFORMANCE (STUDENT)

Below are the same procedural steps that comprise the exercise solution defined in Section 1. However, they are slightly modified to represent the steps that one imperfect student might make when performing the same “Clear the weapon” exercise in the EUI. Notations below in red describe the specific deviation from the standard. Figure 2 shows the assessment feedback that would be returned by this particular student performance.

1. ~~Point Weapon at Targets~~ → **SKIP THIS STEP**
2. Select Switch Position = SAFE
3. Push Magazine Release Button
4. Pull and Hold Charging Handle
5. Push and Hold Bolt Catch Bottom
6. Release Bolt Catch Bottom
7. **Release Charging Handle → NORMALLY THIS WOULD BE STEP #6**
8. Push Charging Handle Forward
9. ~~Inspect Chamber for Ammo~~ → **SKIP THIS STEP**
10. Select Switch Position = SAFE
11. Push Bolt Catch Top
12. Select Switch Position = ~~SEMI~~ → **Use mode BURST instead of SEMI**
13. Pull Trigger
14. Pull And Hold Charging Handle
15. Release Charging Handle
16. Select switch position = SAFE

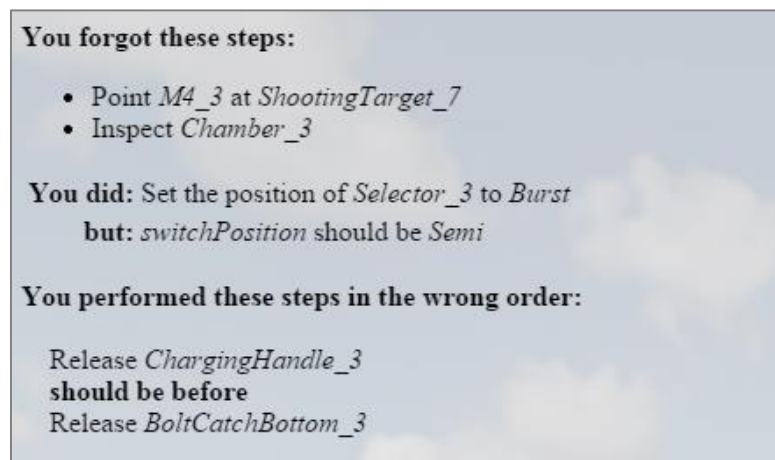


Figure 2. Assessment feedback as provided in the EUI after student performance of the erroneous step sequence outlined by the example in Section 2.