**Title:** 802 How to setup and calibrate the EM38.

**Performance Objective:** Trainee will be able to...
- Setup the EM38 for use in the field
- Calibrate the EM38 for use in the field
- Complete a checklist to insure all EM38 associated items go to the field

**Target Proficiency:**
- Awareness
- Understanding
- Perform w/ Supervision
- **X** Apply Independently
- Proficiency, can teach others

**Trainer Preparation:**
- Trainer should be familiar with the assigned reading/review material in the lesson plan that follows.

**Special Requirements:**
Prepare an external learning request using SF-182 in Aglearn for this activity. Instructions and a template are located on the training webpages for OJT modules.

**Prerequisite Modules:**
- 801 Understand EMI technology

**Notes:**
None

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Shawn McVey
The Five-Step OJT Cycle for Procedural Training (Skill)

- **Cycle Step 5** Trainer/Trainee debrief
- **Cycle Step 1** Trainer/Trainee establish shared mental model
- **Cycle Step 4** Trainer observes Trainee perform task and gives feedback
- **Cycle Step 2** Trainer demonstrates task as Trainee observes
- **Cycle Step 3** Trainer coaches as Trainee performs task

**Trainer and Trainee**
# OJT Module Lesson

**Title:** 802 How to setup and calibrate the EM38.

<table>
<thead>
<tr>
<th>WHAT</th>
<th>WHY, WHEN, WHERE, HOW, SAFETY, QUALITY</th>
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</table>
| Cycle step 1 | Trainer and trainee review objectives of module.  
Trainer and trainee access via the internet [Soils Home/Soil Education/NCSS Members/Job Aids/Investigations] and read/review:  
- EM38 Meter Cookbook.pdf  
  - Setup Diagram  
  - How to Set Up and Calibrate the EM Device  
  - Check list for EM38 meter |
| Cycle step 2 | Trainer shows trainee the following:  
- Compare items at hand with the checklist provided  
- Following the guidelines provided, setup and calibrate the meter |
| Cycle step 3 | Trainer coach's trainee as trainee goes through the process of setup and calibration. |
| Cycle step 4 | Repeat cycle step 3 without coaching. |
| Cycle step 5 | Trainer can debrief trainee and address any concerns. |
OJT Module Lesson Measurement of Learning

Title: 802 How to setup and calibrate the EM38.

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<tr>
<td>Trainee’s learning is measured.</td>
<td>During project activities, assign this task to the trainee. Have the trainee use the checklist before going to the field. Sign off on performance when target proficiency is achieved.</td>
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</tbody>
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**SF-182**

Trainee and/or supervisor access Aglearn to verify completion of the module via its SF-182.