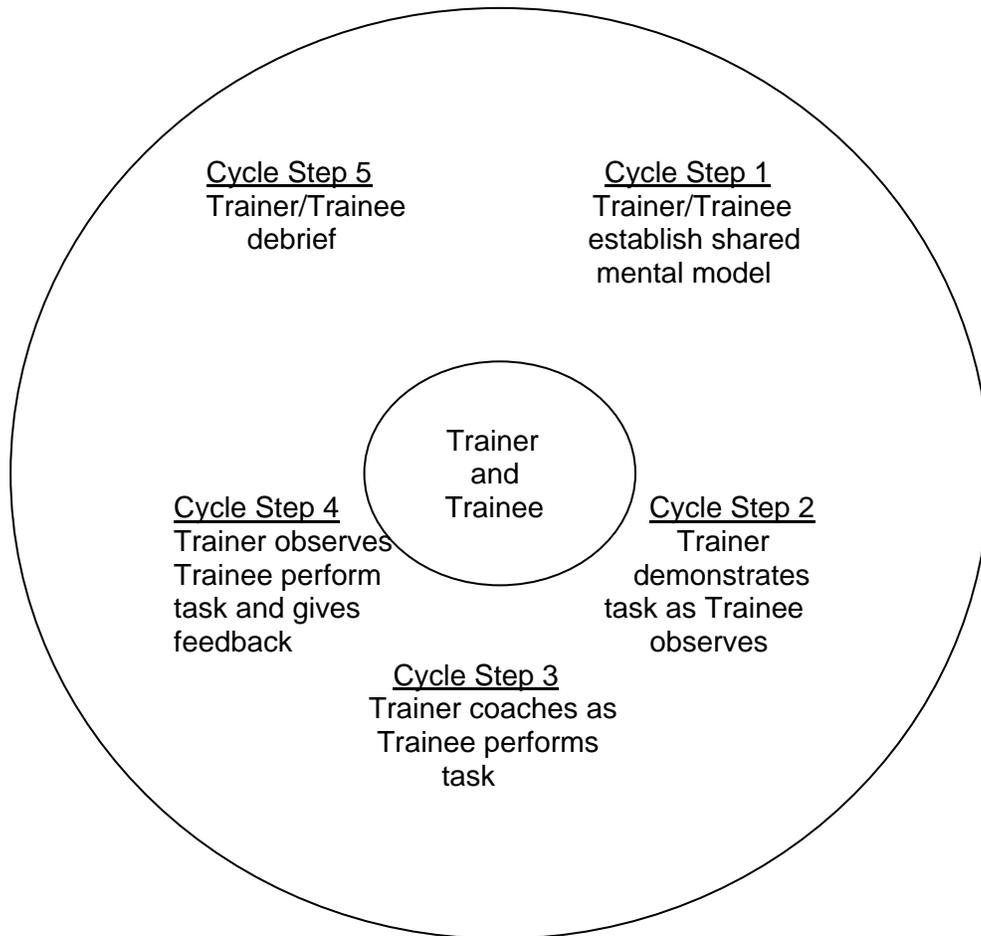


OJT Training Module Cover Sheet

Title: 804 How to use the EM38 with Archer and Geonics Dat38W.
Type: X Skill <input type="checkbox"/> Knowledge
Performance Objective: Trainee will be able to... <ul style="list-style-type: none">• Complete setup appropriate for interfacing the EM38 with the Archer data logging device• Gather data using the EM38 and Archer data logger• Process data in DAT38W• Output data to Microsoft Excel
Target Proficiency: <input type="checkbox"/> Awareness <input type="checkbox"/> Understanding <input type="checkbox"/> Perform w/ Supervision X Apply Independently <input type="checkbox"/> Proficiency, can teach others
Trainer Preparation: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 801 Understand EMI technology• 802 How to setup and calibrate the EM38
Notes: This module can be separated into field and office activities. Trainer may choose to complete Cycle Steps 2, 3, and 4 for field activities and then return to the office to again go through Cycle steps 2, 3, and 4 for office activities.
Authors: Jon Warner Marc Crouch
Approved by: Shawn McVey

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



OJT Module Lesson

Title: **804 How to use the EM38 with Archer and Geonics Dat38W.**

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle step 1	<p>Trainer and trainee review objectives of module.</p> <p>Trainer and trainee access via the internet [Soils Home/Soil Education/NCSS Members/Job Aids/Investigations] and read/review:</p> <ul style="list-style-type: none"> • EM38 Meter Cookbook.pdf <ul style="list-style-type: none"> ○ Using the EM38 with the Archer or Alegro CX data logging devices ○ How to convert raw data to processed data in DAT38W ○ Importing data to Microsoft Excel
Cycle step 2	<p>Trainer shows trainee the following:</p> <ul style="list-style-type: none"> • Start and connect the devices in the proper sequence • Complete system setup • Complete a sample survey, logging data • Process the data and output it to Microsoft Excel • Prepare the data in Excel for loading into ArcMap or Surfer software
Cycle step 3	<p>Trainer coaches trainee as trainee completes the processes demonstrated in Cycle step 2.</p>
Cycle step 4	<p>Repeat cycle step 3 without coaching.</p>
Cycle step 5	<p>Trainer can debrief trainee and address any concerns.</p>

OJT Module Lesson Measurement of Learning

Title: **804 How to use the EM38 with Archer and Geonics Dat38W.**

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Trainee's learning is measured.	During project activities, assign this task to the trainee. Sign off on performance when target proficiency is achieved.

SF-182

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