

OJT Training Module Cover Sheet

Title: 017 How to effectively orient yourself on a photographic image while mapping or traveling in the field in your soil survey area.

Type: Skill Knowledge

Performance Objective: Trainee will be able to...

- Orient self on a photograph for soil survey applications.

Target Proficiency:

- Awareness Understanding Perform w/ Supervision
 Apply Independently Proficiency, can teach others

Trainer Preparation:

Assemble photos of the soil survey area for field use.

Special Requirements:

Initiate an external learning request with a SF-182 in Aglearn for this activity. Instructions and a template are located on the training webpages for OJT modules.

Prerequisite Modules:

- 019 How to interpret photo images in your soil survey area.

Notes:

Additional skill development is available:

- 018 How to use a topographic map in your soil survey area.

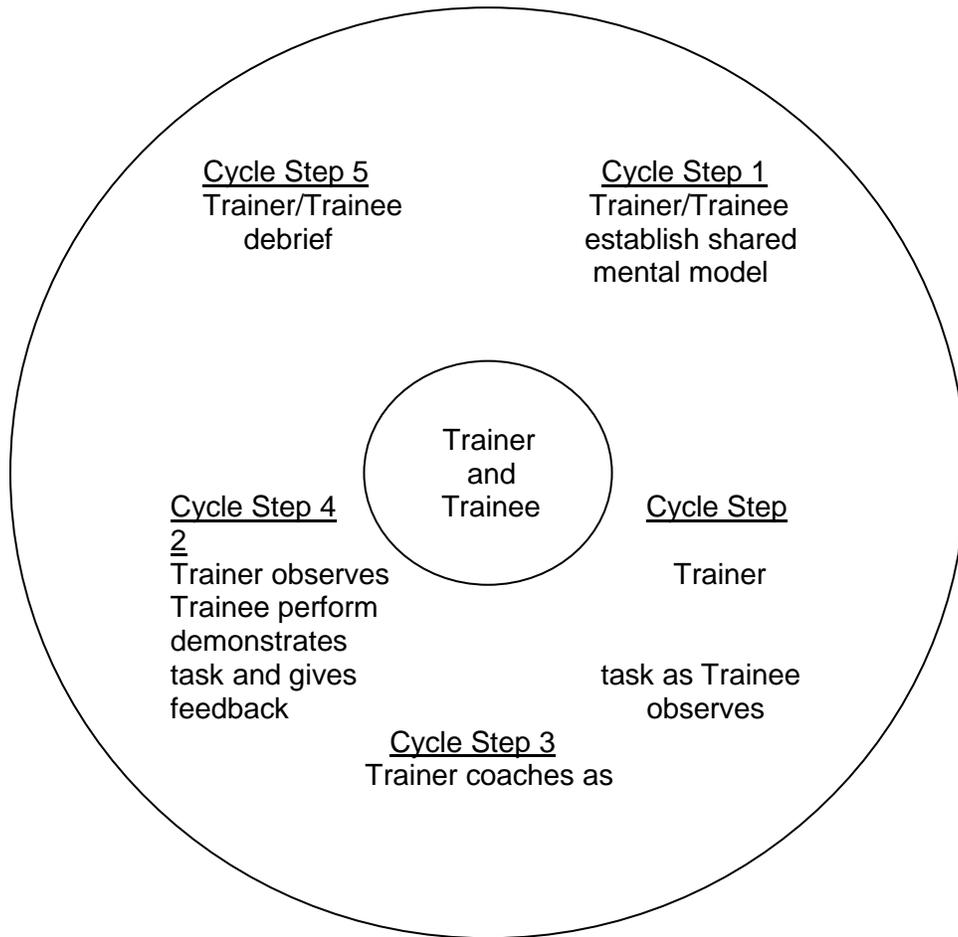
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The Five-Step OJT Cycle for Procedural Training (Skill)



OJT Module Lesson

Title: 017 How to effectively orient yourself on a photographic image while mapping or traveling in the field in your soil survey area.

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle step 1	Trainer and trainee review objectives of module.
Cycle step 2	Trainer shows trainee the following:
1. Identify the photo base.	Trainer explains type of photo imagery being used (e.g., black and white, color, or infrared) and the characteristics of each.
2. In the field, identify a nearby feature.	<p>Discuss what features are common in your survey area.</p> <p>Demonstrate what a known feature common in your survey area looks like on the photo in relation to where the trainer and trainee are standing.</p> <p>Discuss the location while looking at the photo and also while looking in the field to help the trainee develop a sense of space and scale.</p> <p>If necessary, turn the photo different directions to match up the surrounding visible landmarks.</p> <p>If necessary, describe the seven basic image characteristics for viewing and identifying features (size, shape, shadow, texture, tone, pattern, and site association) of nearby landmarks to help the trainee recognize the setting and develop a sense of placement on the photo.</p>
3. Navigate on the photo while traveling by foot or vehicle to a new location.	Walk or ride with the trainee to a new landmark location and ask the trainee to maintain location on the photo as you both move.
Cycle step 3	Trainer coaches trainee as trainee performs Skill Step 2 above in a different area of the photo or even on a different photo if necessary.
Cycle step 4	The trainer provides feedback after the trainee does the following:

1. Orient themselves and the photo to fit their current field location.	Trainee identifies their current location on the photo being used and orients the image to fit their surroundings.
2. Travel some distance on foot or by vehicle while maintaining the current location.	Trainee then travels on foot or by vehicle to a new landmark on the photo while keeping the field location and photo orientation current.
3. Repeat Skill Step 4 until trainee can successfully orient himself or herself and the photo.	Trainee should be able to locate him or herself on the photo and turn the photo to match surrounding landmarks before moving to Skill Step 5.
Cycle step 5	Trainer can debrief trainee and address any concerns.

OJT Module Lesson Measurement of Learning

Title: **017 How to effectively orient yourself on a photographic image while mapping or traveling in the field in your soil survey area.**

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Apply knowledge gained to field work.	The trainee successfully and independently locates him or herself on photo images and can orient the photo to his or her surroundings.

SF-182

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