



**INDEPENDENT**

**ROUGH TERRAIN CENTER LLC**

## **OFF SITE TRAINING REQUIREMENTS - 8**

The following is a list of items required for RTCH 40 hour or 80 hour Operator or Maintenance training at off site locations.

This list is based on a maximum student load of eight. All classes should be limited to eight students.

### **Operator Training – 40 hr only**

1. Minimum of two (2) fully mission capable (FMC) RTCH RT240 vehicles equipped with BII kits and fire extinguishers. Vehicles must be fully fueled.
2. Three or more 20' ISO containers. Two weighted (20K-30K lbs) if possible and two empty.
3. Two or more 40' ISO containers. Two weighted (20K-30K lbs) if possible and one empty.
4. One flat bed trailer capable of accepting 20' ISO containers.
5. One RTCH fork lift kit or sling kit if available.
6. A minimum area of two acres at least 200' wide – pavement or unimproved, fairly level, clear of obstructions – overhead power lines, trees, fences etc... If pavement, must be able to support 120K vehicle load plus container weight. Unimproved site should be compacted; unimproved site will suffer ground disruption and ground vegetation loss during training.
7. A building or canopy with seating at the driver training area.
8. Class room within reasonable distance from the driver training area.
9. Class room must include seating and tables for students and training materials, chalk or marker board, computer projector and screen.
10. Two Operator TMs in binders (2017 TM-10, LO-13) or Electronic TM (ETM) access availability in class room when training begins.

The following is a list of the items required for RTCH maintenance training at off site locations.

### **Maintenance Training 40 or 80 hr**

1. Minimum of two (2) fully mission capable (FMC) RTCH RT240 vehicles equipped with BII kits and fire extinguishers. Vehicles must be fully fueled.
2. A paved area or shop facility within reasonable distance from the class room for “hands on” training. Ideal location would be next to class room.
3. A paved area with the minimum size of ½ acre clear of obstructions with reasonable distance from class room.



# INDEPENDENT

ROUGH TERRAIN CENTER LLC

4. Class room must include seating and tables for students and training materials, chalk or marker board, computer projector and screen.
5. Two sets of TMs (2017 TM-23-1 thru -5, TM-10 and LO-13) in binders **or** ETMs on MSD or laptops (at least 2-3) in class room when training begins.
6. Students must have basic hand tools and digital multi-meter.(at least one set for 4 students)
7. List of tools required for tophandler R&R and “hands on” training:  
***In order to keep within the time constraints of the course; the RTCH to be used for tophandler removal must have the main pivot pins and lower tilt cylinder pins free and not stuck at the time of removal. If pins are stuck the lesson will not be performed.***
  - a. Basic hand tools (metric socket set, screw drivers, pliers, metric wrenches 13mm, 16mm, 18mm)
  - b. RTCH BII tool kit (with the two jacking screws)
  - c. 36mm wrench
  - d. 36mm or 1 7/16” socket with ratchet
  - e. 10’ rope (1/4”)
  - f. 2” wide ratchet strap
  - g. Small 3# sledge hammer
  - h. 4 - 4X4 by 12” wood pieces or wheel chocks
  - i. Brass drift (1” dia. X 6-8”)
  - j. Rags
  - k. Grease
  - l. Tape measure
  - m. 2 – 6’ Step Ladders
  - n. Basic safety equipment – safety glasses, hearing protection, gloves

For the 80 hour Field Level Maintenance training add to the Maintenance training list:

1. Two 20’ ISO containers weighted if possible (20K-30K) for operational portion of the training.
2. ( Course operational portion) A minimum area of two acres at least 200’ wide – pavement or unimproved, fairly level, clear of obstructions – overhead power lines, trees, fences etc... If pavement, must be able to support 120K vehicle load plus container weight. Unimproved site should be compacted; unimproved site will suffer ground disruption and ground vegetation loss during training.
3. The 2017 TM work package requires full weight container of 53K lbs for a correct load test. For training purposes, a container at least 30K lbs can be used to demonstrate the procedure.