

AFSOC LTATV Training



Training Curriculum

- Training for each TACV platform will include the following modules:
 - Vehicle Nomenclature; parts, functions, features
 - T-CLOC
 - Hand & Arm Signals
 - Personal Protective Equipment (PPE)
 - Starting & Stopping
 - Small Area Movement “Four Points”
 - Turning (Left & Right)
 - Slalom (Forward & Reverse)
 - Sharp Turns (Forward Only)
 - Obstacles/Special Terrain Negotiation
 - Traversing Hills
 - Roll-Over Recovery
 - Night Vision Goggle
 - Load Planning
- Chief Instructors (CI) must be initially trained/certified by an AFSOC designated CI, and appointed by the unit commander in writing.
- Documentation of successful completion of the course will be annotated on an AF Form 483 and a roster of personnel trained will be maintained by all CI's.

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Vehicle Nomenclature



T-CLOC

- **T – Tires and Wheels**
 - Air Pressure
 - Condition
 - Wheel Bearing, lug nuts, etc.

- **C – Controls & Cables**
 - Location
 - Operation
 - Throttle
 - Brakes—Foot, Hand and Parking
 - Shifter
 - Clutch (If Applicable)

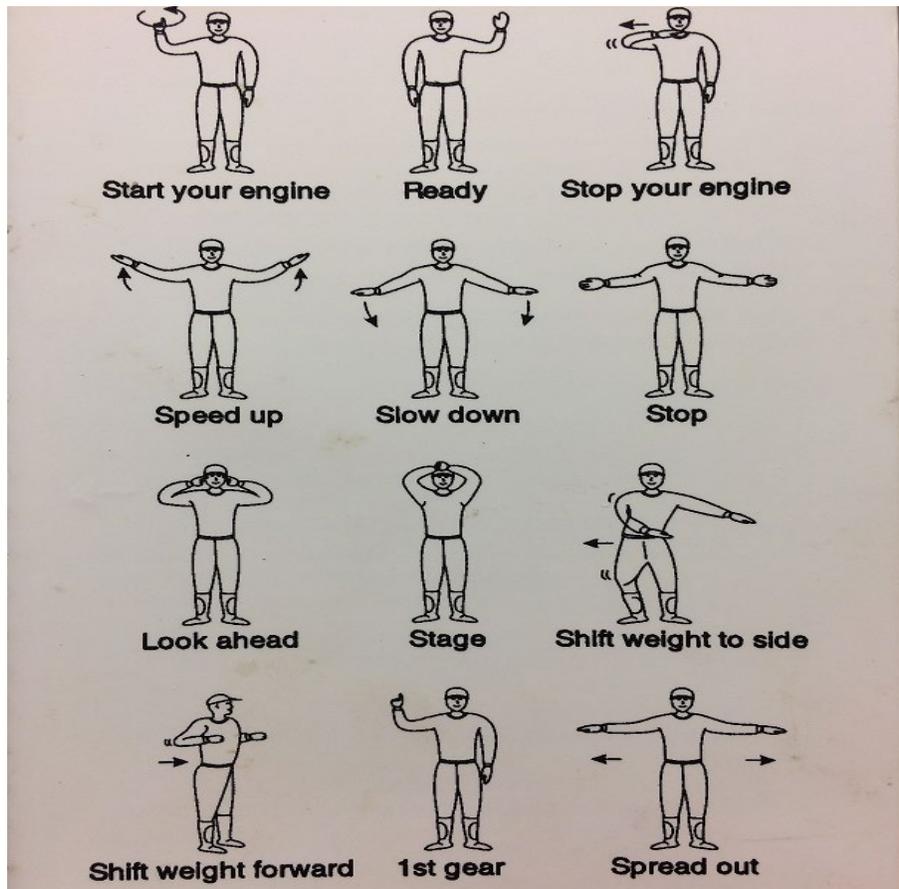
- **L – Lights and Electrics**
 - Ignition Switch
 - Engine Stop Switch
 - Lights

- **O – Oil and Fuel**
 - Levels—Oil Dipstick/Sight Gauge
 - Vents
 - Air Filter
 - Fuel Supply Valve

- **C – Chain/Driveshaft, Chassis and Suspension**
 - Free Play
 - Condition/Lubrication/Wear



Hand and Arm Signals

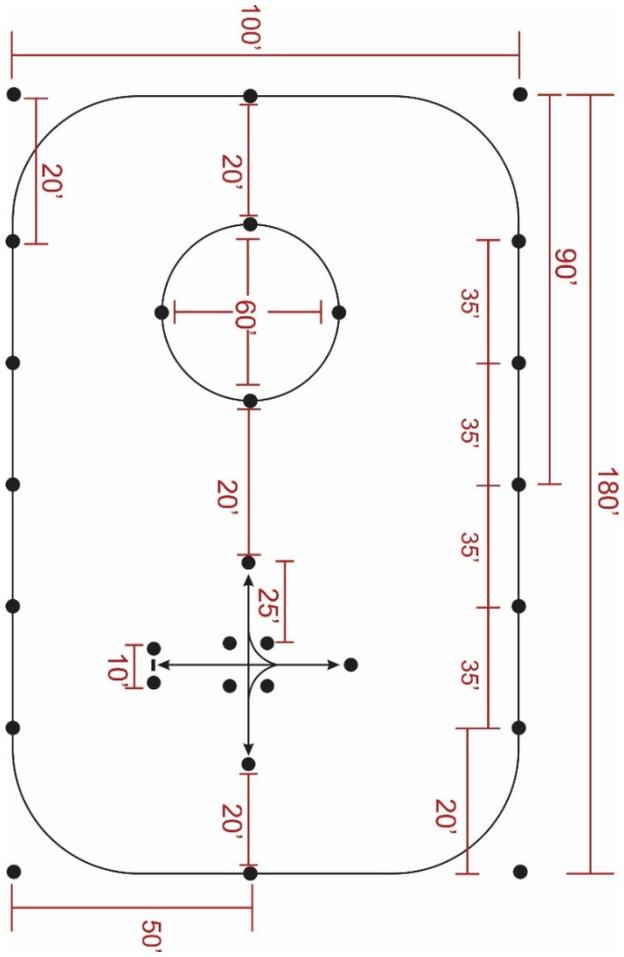


Personal Protective Equipment

- What PPE is mandated by the Department of Defense or your Service?
 - Helmet
 - Eye Protection
 - Long Sleeves
 - Gloves
 - Pants
 - Over the ankle “sturdy” footwear
- What are the consequences of not wearing required PPE?
 - Negative Line-of-Duty determination
 - Increase in injury severity



Range Set Up



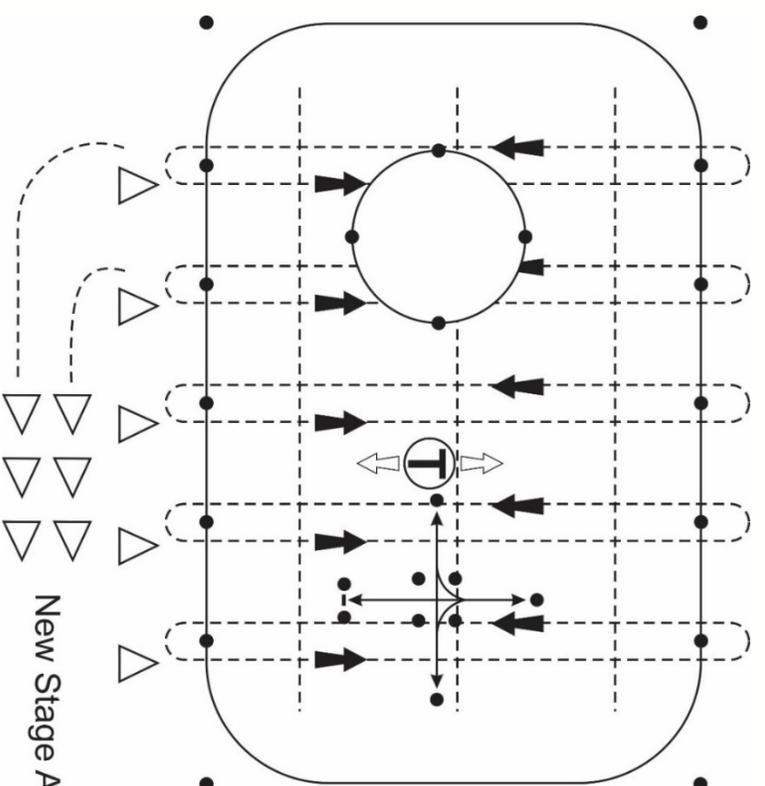
Starting and Stopping

- DIRECTIONS
- On command move forward at a slow speed until directed to stop.
- On signal turn the vehicle around and repeat the exercise as necessary.

- EVALUATION POINTS
- Clutch/Throttle Control
- Smooth Movement Forward and Stopping
- Body Position

- Note: Dirt bike riders will perform at least one loop standing.

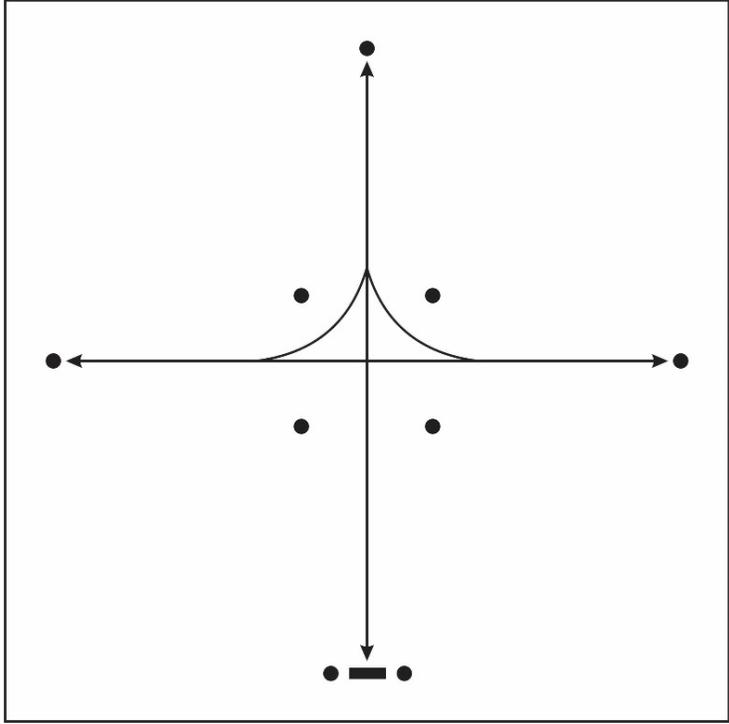




Small Area Movement “Four Points”

- DIRECTIONS
- From the starting gate drive forward to the upper cone.
- Drive in reverse to the right side cone.
- Pull forward to the left side cone.
- Back the vehicle to the upper cone then exit through the start gate.
- (Dirt bikes will perform turns into each section in the same order “mounted” or “dismounted” maintaining clutch control and remain in 1st gear at all times.)
- EVALUATION POINTS
- Maintain control/awareness of the vehicle position.
- Exhibit throttle and brake control.



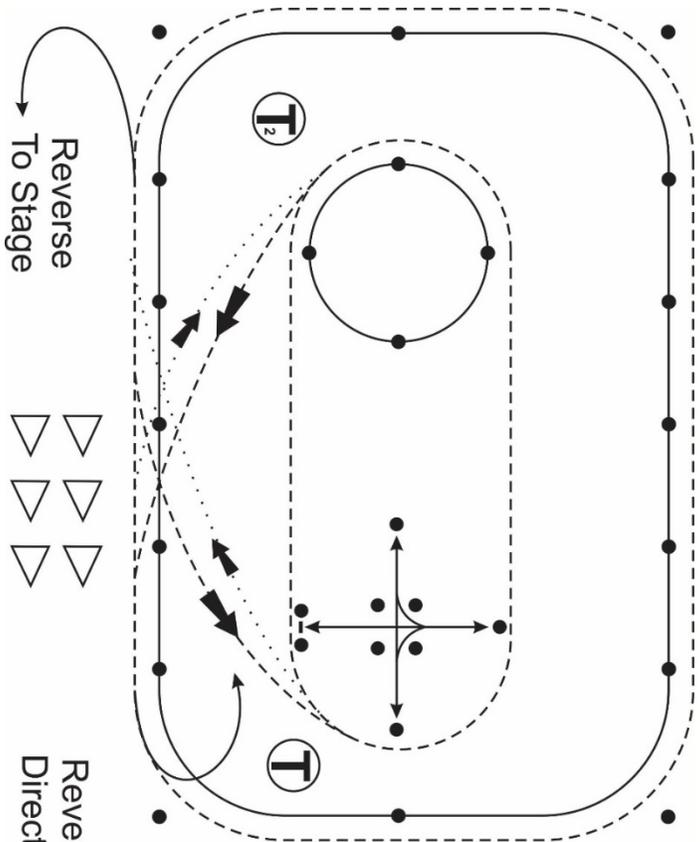


Turning (Left and Right)

- DIRECTIONS
- On signal begin riding the course perimeter counter clockwise.
- On signal stop and perform a U-turn and drive the course perimeter clockwise.
- EVALUATION POINTS
- Eyes looking through the turn
- Controlled deceleration prior to the turn
- Smooth acceleration coming out of the turn

- Note: Dirt bike will perform sitting then standing in each direction.

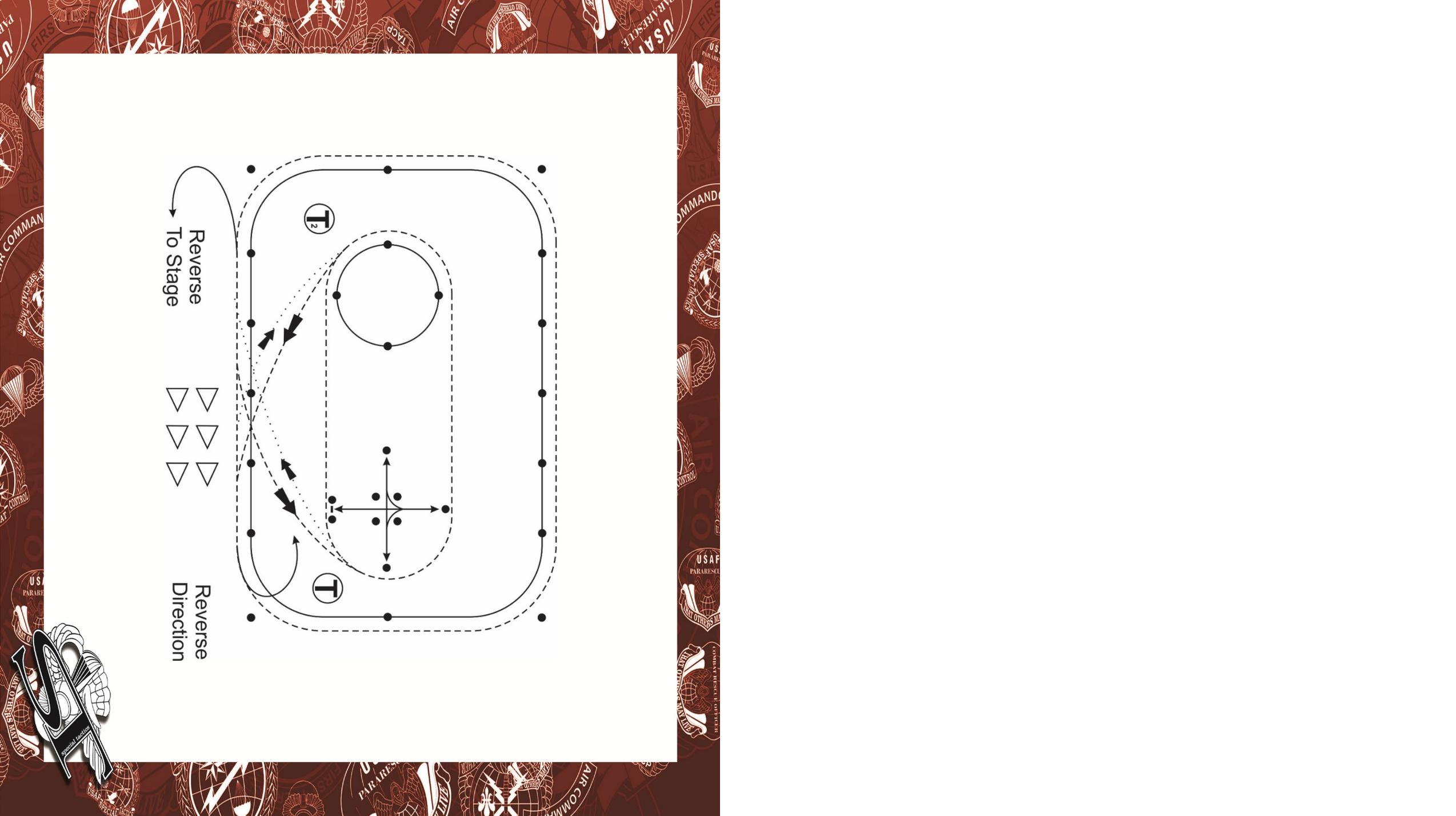




Reverse
To Stage



Reverse
Direction



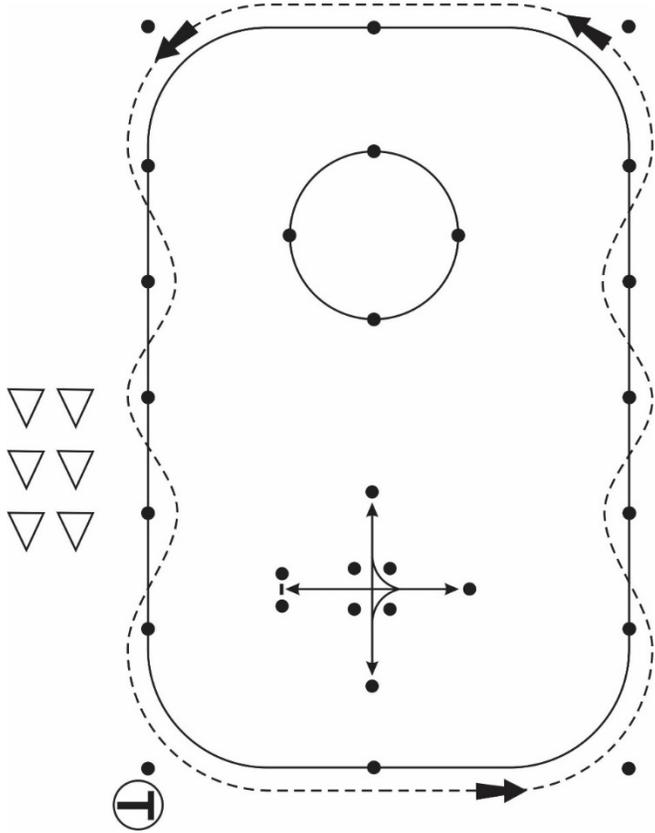
Slalom (Forward and Reverse)

- DIRECTIONS
- Weave between each cone briefly applying the brake and then a short controlled burst of throttle in the turn (dirt bikes continue around perimeter to start point)
- Once you reach the end accomplish the slalom in reverse until you reach the starting point

- EVALUATION POINTS
- Coordinate throttle, break and body control as applicable
- Accomplish turns at a higher rate of speed
- Maintain an adequate following distance
- Use eyes to maintain visual directional control

- Note: When conducting the reverse portion of the exercise split the course in half long ways and stage at the end of both cone lines. Identified by broken line triangles.
- Dirt bikes will only slalom in forward gear. (Crestini 2x2 bikes have a reverse)





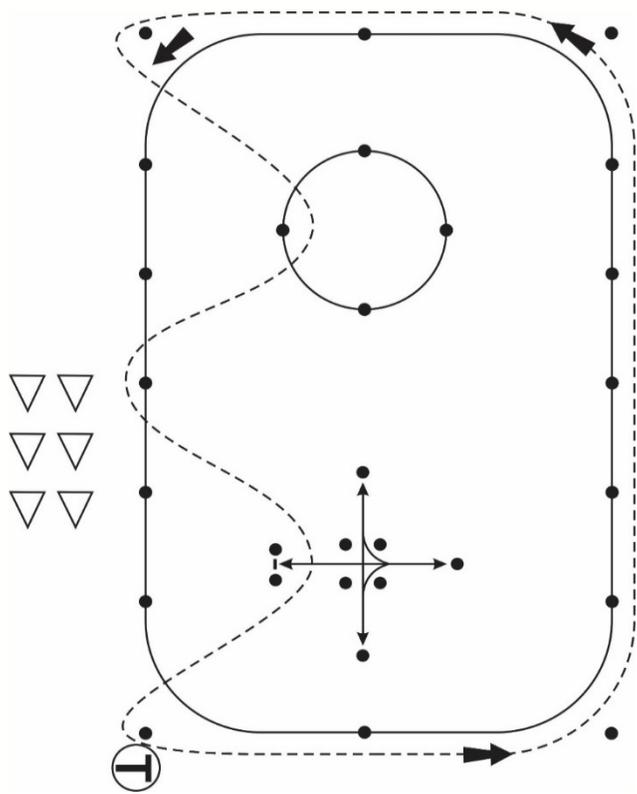
Sharp Turns (Forward Only)

- DIRECTIONS
- On command maneuver through the cones.
- Look through the turns as you turn
- Lean body into the turn for exterior mounted vehicles

- EVALUATION POINT
- Maneuver around each cone looking through the turns using clutch/break/throttle to maintain directional control.

- Note: Dirt bike performs this exercise standing.





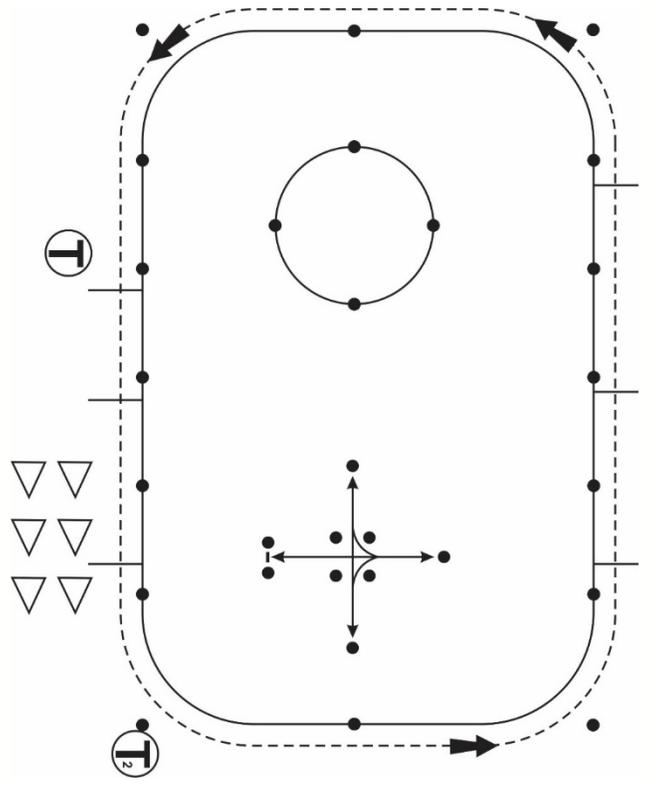
Obstacles/Terrain Negotiation

- DIRECTIONS
- Travel toward the obstacle at a 90° angle
- Maintain momentum while approaching the obstacle
- Apply a short burst of speed just prior to reaching the obstacle
- Release accelerator/throttle prior to rear wheel reaching the obstacle

- EVALUATION POINTS
- Approaching obstacle at as close to a 90° angle as possible
- Maintaining momentum while approaching obstacle
- Controlled acceleration/deceleration while negotiating obstacle.

- Note: Obstacles will be no smaller than 4x4 and no larger than 10x10 in diameter.





Hills

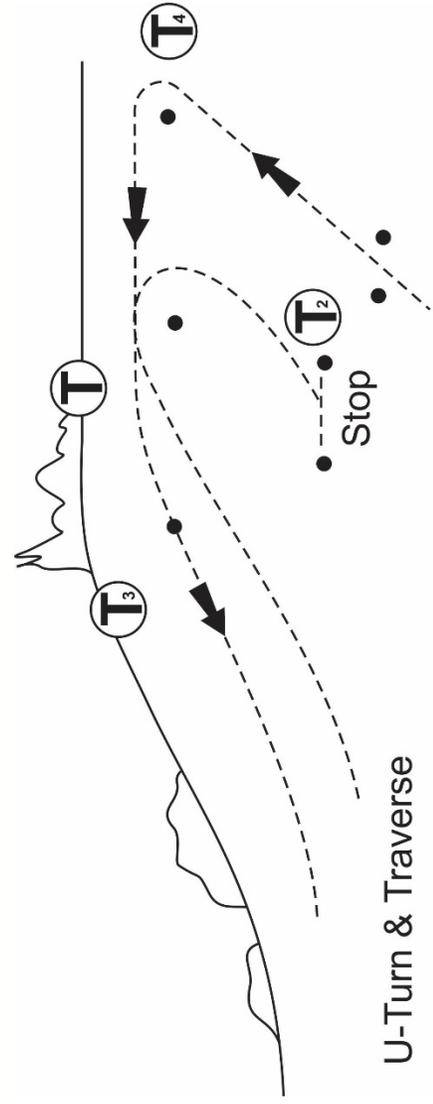
- DIRECTIONS U-Turn
- Approach the hill accelerating before the base maintaining momentum
- Turn to the left until your facing down hill maintaining control of your speed
 - ATV/Dirt bike will shift weight uphill during the exercise
- Reverse direction to the right

- DIRECTIONS Traverse
- Approach the hill at a 90% angle while maintaining momentum
- Once on the hill turn left
 - ATV riders will shift weight toward the hill
 - Dirt bike riders will shift the bike toward the hill and body away

- DIRECTIONS Failed Hill
- If forward momentum is lost while going uphill apply brakes and dismount the vehicle. (ATV side) (dirt bike uphill side) (side by side stay seated, passenger dismounts)
- Turn the vehicle down hill (dirt bike & ATV) (side by side will keep wheels straight and slowly descend backwards with spotter ensuring a straight decent)

- EVALUATION POINTS
- Maintaining momentum going up the hill
- Proper weight shift (ATV, Dirt bike)
- Throttle control
- Slow decent and controlled braking





U-Turn & Traverse

Reverse Directions

Rollover Recovery

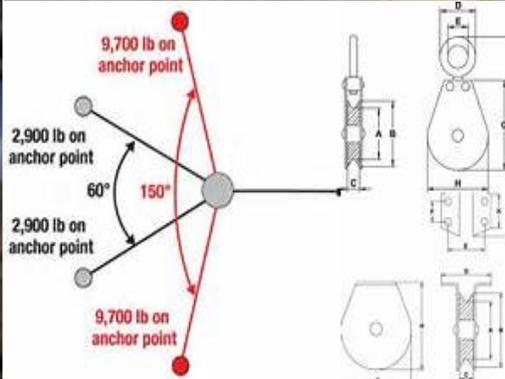
- SELF RECOVERY
- Deadman ground or sand anchor (Deadman strap kit or spare tire)
- Vehicle winch/strap on a stationary object like a tree

- SECONDARY VEHICLE RECOVERY
- Vehicle uses winch/strap to roll vehicle over.
- Vehicles operates as close to 90 degrees to the downed vehicle as possible.

- MANNED RECOVERY
- All personnel dismount vehicle
 - ROLL OVER
 - Grab the roll cage, front and rear bumper then lift and push over. Never roll the vehicle towards you.

 - STUCK
 - Push while one person steers and maintains throttle at a consistent RPM away from personnel assisting.
 - Reconnoiter the area
 - Estimate the situation
 - Calculate the ratio
 - Obtain the resistance
 - Verify the solution
 - Erect the rigging
 - Recheck the rigging
 - You are ready





Night Operation (NVG)

- After completion of lessons 1-12 perform a day time trail ride
- Then describe expected effects of driving with NVGs
 - Depth Perception (Height and Distance)
 - Visual Acuity (Terrain Features & Obstacles)
 - Limited Field of View
- Drive the same route travelled earlier during the hours of darkness



Load Planning

- Walk through the proper areas to place loads on the vehicle
- State vehicle load limitations (use manufactures standards)
- Identify the center of gravity for the vehicle
- If using medical litters, identify angle of approach and departure characteristic changes.



Notes

