

# MANUAL TRANSMISSION PROGRAM

**COURSE LENGTH:** 3 DAYS

**OPTIMAL / MAXIMUM NUMBER OF STUDENTS:** 21/36

**PREREQUISITE:** NONE

**LOCATION:** BCDS ANVIL ROCK TRAINING CENTER – IN LEWISBURG, WV. OR, TRAINING CAN BE EXPORTED TO CUSTOMER LOCATION.

## **COURSE ITEMS INCLUDED:**

- BCDS TRAINING VEHICLE AND INSTRUCTOR
- 3:1 – STUDENT TO INSTRUCTOR RATIO
- TEXTBOOK & REFERENCE MATERIALS
- CLASSROOM INSTRUCTION
- FIELD INSTRUCTION

## **COURSE OVERVIEW**

This training will prepare drivers to safely and successfully operate manual transmission 4x4 vehicles, SUVs, and Pickups in remote and harsh off-road terrain. Students will gain skills in driving singly and in convoy, on flat terrain and rough terrain

### **TRAINING TOPICS INCLUDE:**

- Theory and practice of clutch manipulation.
- Manual transmission vehicle operation on flat, graded terrain
- Manual transmission vehicle operation on hills and rough terrain.
- Basic vehicle recovery and towing with manual transmission.
- Operation in traffic.



## **COURSE SYLLABUS ~ SUMMARY**

### **DAY ONE**

- I. Introduction /In-brief – Safety Brief
- II. Classroom lecture, theories and principles
- III. Hands-on vehicle familiarization
- IV. Basic clutch operation on flat ground

### **DAY TWO**

- I. Clutch Operation on Hills
- II. Off-road manual transmission techniques
- III. Recovery and towing with manual transmission

### **DAY THREE**

- I. Operation in traffic
- II. Operation in Convoy
- III. Panic Stops
- IV. Obstacle Avoidance
- V. Final exam and Out-brief

©2010 BCDS Inc. ~ All Rights Reserved  
BCDS Inc. – PO Box 21537 – Roanoke, VA 24018  
Phone: 866.638.9606 – Fax: 703.997.8620

CAGE: 41SR1 | GSA: GS-02F-0058T | DUNS: 557-561-839



[www.4x4BCDS.COM](http://www.4x4BCDS.COM)