

# USA ODS

## *U.S. Army Operator Driving Simulator*

FAAC has developed a HMMWV dash set (dash panel, gear shift console, steering wheel and software) to take advantage of the hardware and software configuration of the existing USA ODS system. In addition FAAC has developed an up-armored capability for the HMMWV, this includes the incorporation of panels that restrict the drivers visibility and the software that models the changes to the vehicle dynamics.

The existing USA ODS System (Figure 1 & 2) was developed with the idea of expandability at a reasonable cost. The existing system provides training for the M915, M939, FMTV, PLS, HET and HEMTT. This is accomplished through a common hardware and software design and the incorporation of interchangeable dash panels. The dash panels are stored on a rack for easy access. It only takes a few minutes to change one Dash Panel for another, minimizing the amount of student down time. When a dash panel is changed the computer recognizes it and then the Instructor clicks on one of the above mentioned vehicles and the IOS loads the vehicle dynamics for the selected vehicle.



Fig 1: Existing USA ODS CAB



Fig 2: Existing ODS Interchangeable Dash Panel



Fig 3: Dash Panel Storage Rack

FAAC has taken advantage of the flexibility of the system by developing the HMMWV Interchangeable Dash Set (Fig 4 & 5). This provides the Military an inexpensive method of expanding the training capability of the ODS system to include training for the HMMWV.



Fig 4 Side view of HMMWV Dash Set



Fig 5: Rear view of HMMWV Dash Set

Also included is the USA ODS Training Equipment Summary.