

# SOF-WESS

## SPECIAL OPERATIONS FORCES - WEAPONS ENGAGEMENT SIMULATION SYSTEMS

An Innovative Wireless Solution for  
Engagement Training

Cubic's SOF manworn system maximizes operators' ergonomics during force-on-force exercises. Designed with independent, small, lightweight components, the wireless system can be universally configured to operators' tactical equipment.



Module  
Recharging Case



Manworn  
Detector Module

### Key Features

- Industry-standard wireless link replaces traditional harnesses and cables
- Elimination of cables, connectors and fabrics significantly reduces cost of ownership
- Fully integrates with Instrumentation Systems, both fixed CTC sites and mobile / homestation training systems
- Interoperable with regular forces' systems
- Interoperable with urban operations / MOUT systems
- SAT is aligned to the weapons, eliminating need for external alignment devices
- Transit case provides convenient battery recharge and transportation capabilities
- Incorporates the latest wireless technologies while retaining Cubic's proven methodologies.

### Wireless Technology

- Network utilizes IEEE802.15.4 standard, in license exempt 2.4GHz band
- Modules directly mount to operator's battle rattle and opposition player's garb. Ease of mounting with negligible clutter/surface coverage

## Maintenance

- Modules have integral batteries
- Equipment issued from and receipted into the Module Recharge Case
- Batteries charged with the Module Recharge Case and returned from field to Storage in one operation; no equipment double-handling

## Major Components

- Manworn Halo
  - Master controller for the wireless network
- Manworn Detector Module
  - Mount to front and back torso; optional on racks and other equipment
- Manworn Display Module
  - Visual and audio (sound effects) interface to operator
- Small Arms Transmitter (SAT)
  - Weapon simulation for every NATO weapon and most threat weapons
- Player Unit Instrumentation
  - GPS and RF Link to CTC / MOUT Exercise Control Systems



*Manworn  
Display Module*



*Small Arms  
Transmitter (SAT)*



*Player Unit  
Instrumentation*