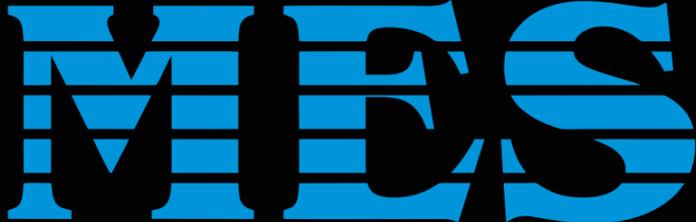


Commercial Off-The-Shelf Product List

Joint Fires Training Products	
Description	Part Number
JFTC Static Dual Screen , 4m cylindrical and 5m Dome	J1-100-3000
JFTC Static single screen 4m Cylindrical Screen	J1-100-1000
JF MRX Portable Unit	J1-100-2000
JF MRX Portable Pilot Station Unit	J1-100-2400
JF MRX Portable VDL Station Unit	J1-100-2500
Infrared Zoom Laser Illuminator Designator (IZLID)	J1-95-1090
Lightweight Laser Designator Rangefinder (LLDR)	J1-95-1010
Vector 21 Laser Rangefinder (Vector 21)	J1-95-1030
M22 Binocular	J1-95-1040
Computer, Single Graphics SYNC Plus	J1-100-9022
Computer, Single Graphics AUD plus	J1-100-9012
SME, Type 163	J1-100-8100
SME, SPS	J1-100-8200
SME, TNR	Tac-Eye 2.0
Computer, Dual Graphics	J1-100-9020
Computer, Single Graphics SYNC	J1-100-9021
Computer, Single Graphics	J1-100-9010
Computer, Single Graphics AUD	J1-100-9011
Instructor Tablet	J1-100-9023
Dual Channel Headset with PTT	J1-100-1401
MACE Custom Plugins	
Description	Part Number
SniperPod HUD	
MSTS_Pod HUD	
LiteningPod HUD	
ATFLIR_Pod HUD	
Training	
BlueCharacter	
DI-Guy Builder	
LatchTrainee	
LatchObserver	
Xfer2Trainee	
Xfer2Observer	
Damage Control Training	
Description	Part Number
Surface Damage Control Trainer (SDCT)	J1-81-1000



ISO 9001:2015-Certified QMS



About Us

MES is an ISO 9001:2015-certified QMS, international and award-winning company. We provide state-of-the-art solutions in Education Support Services, Training Device solutions to the U.S. Armed Forces, U.S. federal government and other public and private sector clients.

MES Simulation & Training, LLC has built a reputation for customer satisfaction. We help our customers succeed. Our highly skilled workforce has established a proven record of performance in the design, manufacturing, upgrade, and relocation of complex training and simulation systems. We provide engineering and logistic documentation, provisioning, training and field services support for the systems and equipment.

Our customers include NAWC TSD, PEO STRI, PMTRASYS, USAF, DND Canada and more.

Mission

MES is committed to providing complete customer satisfaction while maintaining standards of excellence in the areas of engineering, logistics, and training. To fulfill this mission, we at MES are committed to:

- ✓ Total Customer Satisfaction
- ✓ Delivering A Quick Response to Customer Requirements
- ✓ Providing Quality Products Developed by Quality Staff
- ✓ Exceeding The Customer's Expectations
- ✓ Team Effort

Our Values

We realize the most valuable resource is our people. We pride ourselves on maintaining an outstanding staff of professionals around the globe to assist us in meeting the demands of our clients. Our dedicated professionals have exceptional qualifications to meet the growing demands of the industry. Our record of client satisfaction is a testament to our staff and their accomplishments. Their dedication is the hallmark of MES.

Joint Fires Full Mission Trainer Joint Fires Training Center

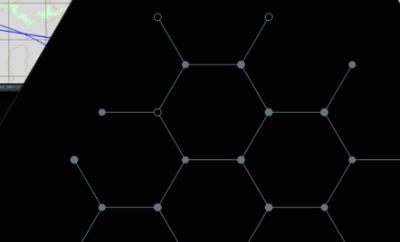
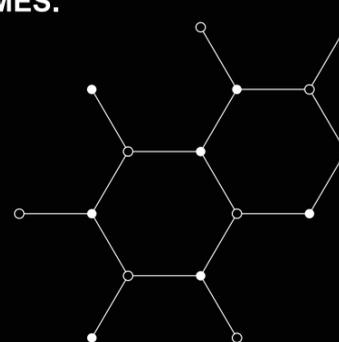
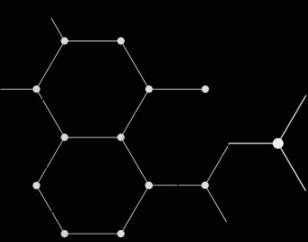
JFTC delivers a reconfigurable stand-alone mission rehearsal and distributed mission simulation capability that is in use for initial and currency training of JFOs and JTACs. Utilizing Form-Fit-Function principles (F3), there are twelve (12) selectable COTS EME products that are designed and manufactured by MES S&T. As EME evolves, MES S&T is prepared to design and deliver those new products. COTS solution includes:

- Static 270x100 Field Of View (FOV) display system
- MES Developed Trainer Software
- Custom Image Generator plugins
- Custom Simulation Framework Plugins
- Emulated Military Equipment (EME)
- COTS Hardware & Software

Accreditation

Based on the accredited JTAC-VTS delivered to Canadian DND, the JFTC is designed to meet all of the accreditation requirements of the Joint Fires Support Executive Steering Committee (JFS ESC) Memorandum of Understanding (MOU). This includes the following mission types:

- Type 1/2/3 CAS controls
- Bomb On Target (BOT) and Bomb on Coordinate (BOC)
- Fixed wing and rotary wing
- DACAS Capable
- Video Downlink
- Remote Observer
- Night
- IR
- Laser
- SEAD
- FAC-A
- Urban



Portable Joint Fires Trainer Joint Fires MRX



The MRX Portable is a cutting-edge Joint Fires trainer designed to maximize trainee immersion. Utilizing Form-Fit-Function principles, the emulated military equipment are low-cost enabled shells that seamlessly interface with the Varjo IV Mixed Reality headset as single-source visual display for the student to preserve nearly all the workflow that they would use in the real world for initial and currency training of JFOs and JTACs with zero learning curve in MRX's toolset use.

The Joint Fires MRX shares a common software baseline with the Joint Fires Training Center. The architecture is modular and scalable for classroom or small team distributed training environment. The base MRX training solution consists of two stations: an Instructor Operator Station (IOS) and a Trainee Station. The IOS allows for mission building, control of the scenario, roleplaying assets, including control of a simulated video downlink (VDL) feed, and control of mission recording and playback for after-action review (AAR). The Varjo XR4 Mixed Reality headset with video passthrough allows the trainee to use EME and real-world objects i.e. paper maps, mission products, notebooks, and ATAK End User Devices. The Joint Fires MRX training solution is enclosed in two waterproof, flight-ready, wheeled Pelican cases weighing less than 50 lbs each.

Accreditation

Based on the accredited Joint Fires Center being delivered as JTAC-VTS to Canadian DND, the JTAC MRX is designed to meet all of the accreditation requirements of the Joint Fires Support Executive Steering Committee (JFS ESC) Memorandum of Understanding (MOU). MES S&T has delivered JTAC MOA and JFS ESC accredited solutions since 2008 to US Army (CFFT III), USMC (SAVT) and US Navy (MSAT).



Emulated Military Equipment

MES S&T designs and manufactures high-fidelity Emulated Military Equipment to meet the needs of our customers' exacting training requirements to include low-cost enabled shells that interface with the Xarjo XR4 Mixed Reality Headset. All of the devices are IA appliances and don't require periodic cybersecurity assessments. Our IOS system interface tools are Windows 11 compliant and are used to support offline maintenance troubleshooting, and automated calibration reset during training scenarios. All of our products are designed and manufactured to exacting customer F3 standards. As EME evolves, MES S&T is prepared to design and deliver those new products.



1. Compass
2. DAGR
3. IZLID
4. Rover
5. PLRF-15C w NVG
6. PVS-14
7. EJTAC LTDe
8. PRC-117G
9. GLTDII SOFLAM
10. M22
11. Type 163 LTD with SWIR Pocket Scope
12. VECTOR 21

