

## PART TASK TRAINER (PTT)

COMPRO's Part Task Trainer (PTT) is a training device for selected aircraft and tasks that simulates real time flight performance, switchology, modes of operation, and display systems. The PTT offers an economical way to train flight crews on selected avionics systems, weapons systems or maintenance subsystems.



### Configuration

COMPRO's PTT uses commercial off-the-shelf, Linux®-based hardware and software. Optionally, the PTT can run COMPRO's high-fidelity Modular Universal Simulation Environment (MUSE™) software.

The trainer consists of a pilot station, an Instructor Operator Station (IOS), and computer cabinet.

- The pilot station consists of a cockpit and an Out-The-Window (OTW) visual scene displayed on a color monitor. Hands-on throttle and stick controls are available for radar operations, weapons selection, and firing.

All PTT functional controls, instrument panels, and cockpit hardware used are representative of the actual aircraft parts and reflect the same mechanical characteristics; that is, look, feel, and operate like the actual aircraft component.

**Note:** Optionally, the PTT can be configured for specific models (such as the F-16C block 30 configurations).

### FEATURES

- Mixed Glass/Simulated Instruments
- Realistic Cockpit Controls
- Active Tactical Environment
- Designed for Solo or Supervised Training
- Deployable
- Modular Design (Upgrades)

### BENEFITS

- Minimal Infrastructure (Power and Cooling)
- Realistic Training



**PART TASK TRAINER (PTT) (Cont'd)**

- The IOS, which serves as the primary interface to the trainer functions, consists of a monitor, keyboard, and mouse.
- The computational system, which executes all the necessary and relevant calculations in order to simulate PTT procedures, use commercially available personal computers.

Threat warnings relating to airborne and ground threats allow the pilot to dispense chaff and flares to counter incoming missiles.



**Features**

The PTT supports training in emergency procedures, instrument flight, and air-to-air and air-to-ground combat training within a dense threat environment.

In addition, air crews are able to practice acquiring and identifying targets and accurately delivering weapons under a full range of weather conditions at any time of day.



The Out-The-Window (OTW) view includes geographical features, cultural features, missile flyouts, gun tracers, weapons detonations upon impact, and various weapons and aircraft configurations.

The PTT supports air-to-air weapons, including:

- AIM-7M
- AIM-9L
- AIM-9M
- AIM-120
- AGM-65A
- AGM-65B
- AGM-65D
- Air-to-Ground (SRM and MRM)
- Guns
- MK-82 bombs
- BSU-49 high-drag bombs



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