



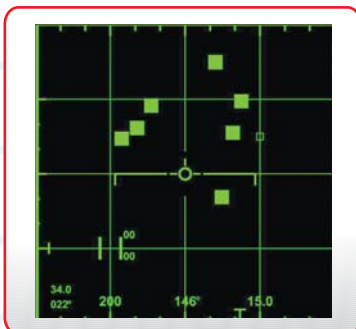
The F-4E (2020) Avionics Familiarisation Trainer (AFT) provides capabilities for acquisition and initial training with the F-4E (2020) new avionics system. The ASC (Avionics Simulation Core) is a part of AFT that provides implementation of the new avionics in AFT.

The AVSG software developed by MilSOFT is a part of ASC Visual System and provides the video generation of the following sensors:

- Radar video symbols
- Electro Optical Weapons video symbols
  - AGM 65A/B/G.
  - GBU-8
  - Special Missile
  - Provision 1
  - Provision 2
- Sensor symbols
- RWR video symbols



### Radar Warning Receiver (RWR) Model



As a part of the Avionics system, RWR Simulation provides a basic model and simulation capability for an airborne RWR system to detect, identify, track the threats defined in the dynamic scenarios for training. The model generates visual and aural cues to warn the pilot. An interface for a Dispenser System provides dispense program numbers dynamically.

The operation of the RWR Model utilises the data of the threat environment, and performs detection and identification according to the Mission File(s) used for the training scenario. It maintains the active emitters and generates data for the RWR display and for aural warnings. The dispense program number is generated dynamically according to the Mission Files and the current threat environment.

The model also simulates malfunctions and internal tests performed by the RWR.

