

PRISM

PC-BASED RECONFIGURABLE INNER SHIP MODELING



PROVIDING THE BACKBONE, STRUCTURE, AND RECONFIGURABLE ARCHITECTURE FOR EQUIPMENT TRAINING

PRISM can be used as the backbone for many different training needs. The framework meets many requirements found in training system solicitations. Currently used in Part Task Trainers, Tactical Mission Trainers, Airborne Trainers, Shipboard Trainers, Satellite Trainers, and even equipment familiarization trainers for military or commercial applications. The power of PRISM can be used to script malfunctions, set initial conditions, supply evaluation results, and allow the equipment layout to be tailored to meet training objectives and more closely match a real-platform configuration. While PRISM is used to model inside the ownship, providing the student the ability to “see” the environment surrounding the equipment, it can be seamlessly combined with FORTRIST™, which provides everything outside the ownship to provide the ultimate user experience.

TextronSystems.com



TEXTRON Systems

► PUSHING PAST POSSIBLE

PRISM

FEATURES & BENEFITS

EVALUATION

- > Supports training pace from computer aided instruction (CAI)
- > Scoring System is customized by the instructor depending on the lesson with results captured in a file for scenario after action review
- > Built-in learning through Interactive Media presentation, student action, triggered events, multiple choice pop up questions, and documents displayed for the students
- > Debrief capability available through scenario recording, scenario reset, scenario replay and scenario after action review

RECONFIGURABLE

- > Equipment panels can be easily resized and repositioned
- > Equipment panels can be configured with defaults settings and malfunctions
- > The number of monitors can be configured for the student
- > Equipment panels can be assigned to specific tabbed windows per monitor
- > User can customize layouts for multiple platforms or equipment focus points

INSTRUCTOR

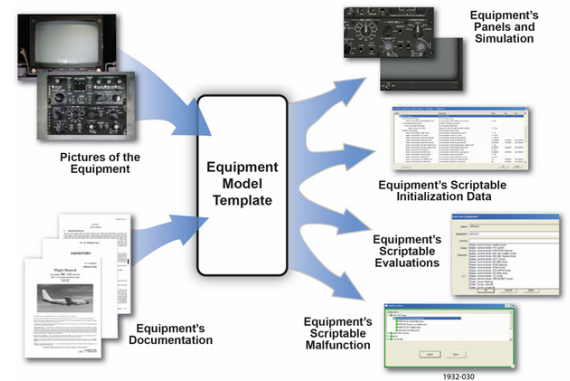
- > Supports monitoring for multiple students
- > Provides integrated voice recognition and 48 kilohertz Voice over Internet Protocol (VOIP) capabilities
- > Pre-scripted control or unlimited levels of behavior modeling
- > Real-time control and role playing of other crew members and external platforms.
- > Seamless integration of external entities (players), Electro-Optical Infrared (EO/IR), and 3rd party visual simulation systems

MODELS

- > More than 100 equipment models developed and already integrated with PRISM
- > Models compiled as individual Dynamic Link Libraries
- > Integrated with existing Instructor Operator Station

SYSTEM

- > PRISM is hosted on Standard Commercial Off-The-Shelf (COTS) PCs
- > PRISM runs on Windows Based Operating System
- > PRISM is Distributed Interactive Simulation (DIS) compliant



Student tunes radio modulation and frequency using thumbwheels

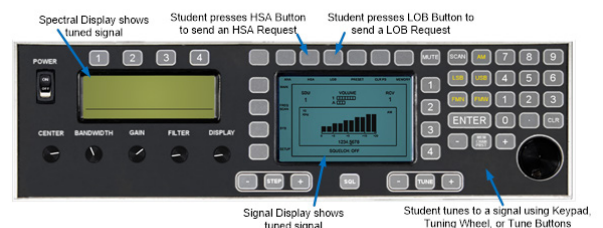


Lights indicate HF Radio malfunctions

Student selects Squelch as On or Off



Student selects HF Radio Crypto Settings at HF KY-58



Spectral Display shows tuned signal

Student presses HSA Button to send an HSA Request

Student presses LOB Button to send a LOB Request

Signal Display shows tuned signal

Student tunes to a signal using Keypad, Tuning Wheel, or Tune Buttons