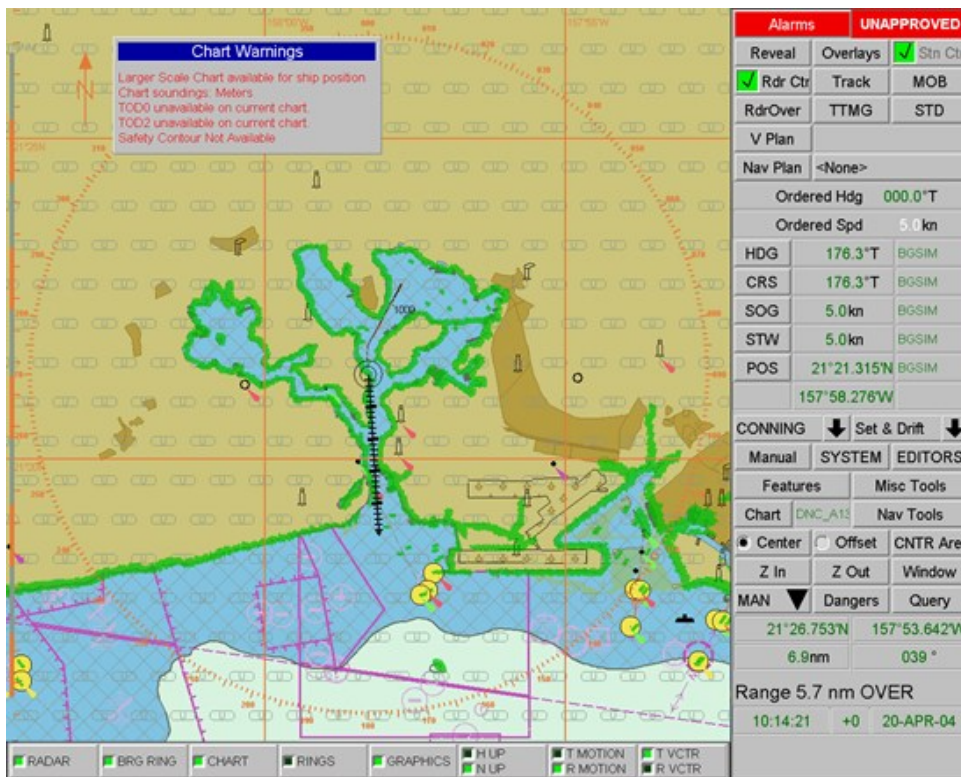


## PCS-100VMS Radar Simulator



### Features

- ◆ Controlled through BCG's Maritime Simulation Tool (MaST)
- ◆ 3D Radar Imagery
- ◆ STCW and IMO Compliant simulation
- ◆ Network-based radar output
- ◆ Compatible with SPS-73 & Sperry Marine's VMS

### Available Options

- ◆ Automatic Identification System (AIS) Interface
- ◆ Expanded Target Capacity
- ◆ Multiple Configurations Available

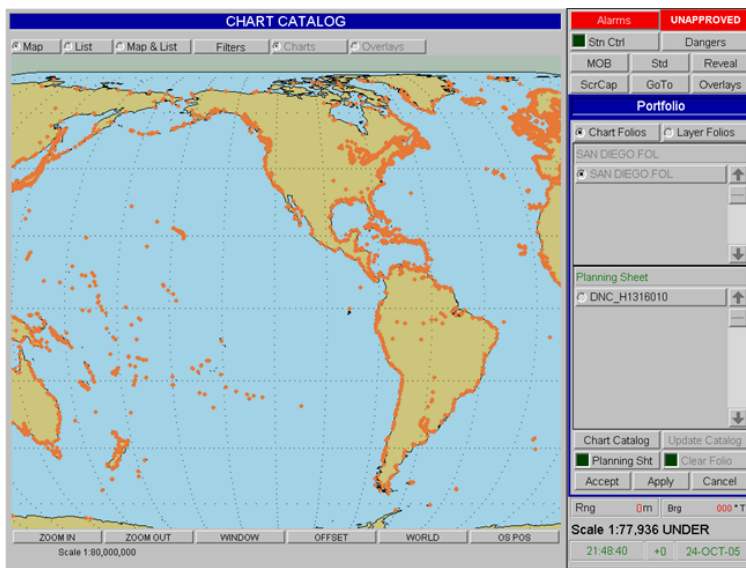
The PCS-100 Voyage Management Simulator (PCS-100VMS) is one member of Buffalo Computer Graphics' (BCG) family of PC based radar simulators.

The PCS-100VMS was designed in a joint venture between BCG and SSR Engineering Inc. to support simulation for the SPS-73 and Sperry Marine VMS. It is designed specifically for use in shipboard and shore based training, testing and evaluation applications that require radar overlay utilizing an RDSCOMMS interface. Using BCG's standard radar simulator engine and SSR's COMRIC network-based radar protocol, the PCS-100VMS provides navigation data and radar image for the SPS-73 SAOP or Sperry VMS. When combined with BCG's PCS-300 simulator, it can also produce the interface signals for operation with other real radar displays, radar processors or ECDIS radar Scan Converter hardware.

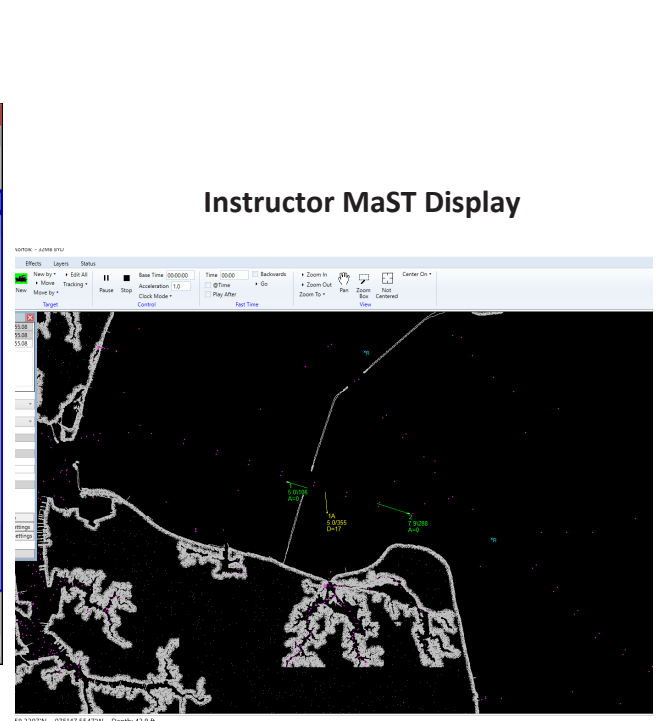
The PCS-300 is designed to interface with stand-alone radar equipment using traditional analog radar signals that require installations with actual radar processing equipment. The PCS-100VMS, however, is capable of providing navigation sensor data and radar image and tracking data directly to the Sperry VMS and Surface Search Radars across the ship's network. This allows training to be provided at a reduced cost without dependency on actual radar processing equipment.

## **PCS-100VMS Radar Simulator**

The PCS-100VMS includes the network interface, 100 targets, landmass capability, environment effects and ship sensor data. A single ownship system is controlled by the operator at a Maritime Simulation Tool (MaST) workstation. For multi-ownship configurations, multiple PCS-100VMS simulators can be networked together and controlled from a single MaST station. Each ownship acts as an independent node in the simulator network. The MaST workstation may be placed separately from the PCS-100VMS unit (s) and the simulator remotely controlled through an Ethernet connection. Since it is a software-only solution the software may be installed on a customer's Windows computer, or delivered as a full turn-key system by BCG.



**Sperry VMS Display**



**Instructor MaST Display**

### **Optional Capabilities:**

- ◆ COMRIC network protocol is compatible with RDSCOMMS
- ◆ Automatic Identification System (AIS) compatible
- ◆ Turn-key package or software only
- ◆ Integrates with PCS-300 for simultaneous stimulation/simulation functionality
- ◆ Network-based radar allows for distribution across multiple training platforms
- ◆ DIS / HLA interface support

Contact BCG for information and pricing on our full line of Maritime Simulation products.

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