BCG

Buffalo Computer Graphics

ASTERIXSim

As modern radar systems migrate to a more network centric design, Buffalo Computer Graphics offers our simulators with an ASTERIX network interface. The method of distributing radar image and control data over a network has been adopted by several radar manufacturers. Rather than developing a proprietary interface protocol, many are leveraging the open ASTERIX interface specification. So too has BCG, as to expand our efforts to support training and testing needs for maritime customers.

BCG's ASTERIXSim software is integrated with our high fidelity radar image generation engine and our Maritime Simulation Tool (MaST) operator interface to provide a solution that offers superior radar simulation. ASTERIXSim may also run simultaneously with other BCG products for those instances where a user has the need for both real radar, charting, ship controls and our radar emulation products.

Using MaST, an operator can create and control different training and testing scenarios as a Standalone controller. ASTERIXSim can also be controlled by another training system in a Slave configuration allowing the BCG radar to be integrated into larger systems.

ASTERIXSim supports:

CAT034 for radar service messages.

CAT048 for target track data.

CAT240 for radar image data.

CAT253 for manufacturer custom messages.

Two instances can run on a single computer for X-Band/S-Band simulation.

BCG's current radar simulation efforts including 3D rendering of radar images using our stimulators (PCS-4xx), our network simulators (one being ASTERIXSim) and our radar emulators (multiple offerings). Each product provides full NMEA-0183 support, Automatic Identification System (AIS) simulation, Slave interface capability, and integration with charting systems. Contact BCG for information on all of our Maritime Simulation Products.

Features

- Windows-based radar simulation software.
- Software uses standard ASTERIX protocol.
- BCG can support custom CAT messages.
- Usable for radar or radar overlay stimulation.
- Can be used for training or testing purposes.
- Can be used simultaneously with other BCG radar products or emulators.

BCG is committed to support and promote Maritime Systems in all aspects of their business.

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