Control of Buffalo Computer Graphics’ (BCG) GMDSS simulators is through our instructor software called the GMDSS Maritime Simulation Tool (G-MaST). The G-MaST application provides a simple, modern and powerful user interface for exercise creation, dynamic messaging and event logging.

G-MaST utilizes BCG’s 20+ years of experience in GMDSS simulation to provide the operator with an easy to use yet extremely thorough interface for controlling a training scenario. Audio and digital message links allow the instructor to monitor communications and role play as a vessel within the scenario, a coast radio/earth station, or rescue coordination center. Exercise locations and GMDSS stations are selectable from a worldwide GMDSS database. Automated maritime safety information broadcasts can be preprogrammed or instructor initiated.

Each student station operates as its own ship during the exercise and is completely independent from other vessels. This capability allows for team training.

The software can be used with Windows 7, 8, or 10. All stations operate on a LAN making expansion simple and allows for system growth as your training requirements increase.
### Available Options:
- Slave operation for external control of GMDSS system
- Learning Management System (LMS)
- Link with BCG radar simulator for coordinated SART activation

### Demand Pop-up
- **Instant Demand**
- **Ownship**: OS1
- **Speed**: 5.0 kn
- **Heading**: 0.0°
- **Course**: 0.0°
- **Lat**: 36°57.8990’N
- **Lon**: 076°22.4505’W
- **Sea**: 000°/0.0/0
- **Wind**: 000°/0.0
- **Problems**: 1
- **Name**: Nantucket
- **MMSI**: 11778330
- **Battery**: 0%
- **MF/HF RX Freq**: 0.000
- **MF/HF RX Mode**: USB
- **MF/HF TX Freq**: 0.000
- **MF/HF TX Mode**: USB
- **MF/HF TX Power**: 0.000
- **MF/HF DSC RX Freq**: 0.0000
- **MF/HF DSC TX Freq**: 0.0000
- **MF/HF DSC Mode**: 0
- **VHF Chan**: 
- **VHF Power**: 
- **VHF Squelch**: 0
- **Fleet77 Power**: OFF

### Ownership Window
- **Current Heading**: 90.0°
- **Last Cmd Heading**: 0.0°
- **Speed Mode**: Immediate
- **Commanded**: Off
- **Port**: Off
- **Starboard**: Off
- **Latitude**: 29.26.5873’N
- **Longitude**: 092.20.2164’W
- **Problem**: 1

### Tools Ribbon
- **INMARSAT-C**
- **Navtex**
- **MF/HF DSC**
- **Radio Telex**
- **Email**
- **Send Immediately**
- **Reset Defaults**
- **Override**
- **I/O Comms**

### Layers Ribbon
- **Show Coastlines**
- **Show Satellite Locations**
- **Show Navtex Stations**
- **Show Rescue Coordination Centers**
- **Show Coast Guard Stations**
- **Show DSC Coast Stations**
- **Show CS to Associated RCC**

### Event Log Window
- **Log Display Filter**
- **Station**: All
- **Times**: All
- **Delivery**: All
- **Service**: All
- **DSC**: Yes
- **MF/HF**: Yes
- **INMARSAT-C**: Yes
- **NAVTEX**: Yes
- **SART**: Yes
- **Distress**: Yes
- **Safety**: Yes
- **Recover**: Yes
- **VHF**: Yes
- **GMDSS**: Yes

### Scheduled Message Menu
- **New INMARSAT-C Message**
- **New MF/HF Audio Message**
- **New MF/HF DSC Message**
- **New Radio Telex Message**
- **New Navtex Message**
- **New VHF DSC Message**
- **New Power Failure**
- **New Email Message**

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

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