

# Dynamic Positioning and Control Systems

## L-3 NMS6000 Class 2 Dynamic Positioning System



Through generations of proven industry success L-3's NMS6000 Dynamic Positioning Systems provide a new level of advanced vessel control. The NMS6000 Class 2 offers fully redundant control systems that provide reliability for critical operations. Systems are arranged with two completely separate DP control computers as well as a joystick system providing three operator control stations. Each Class 2 system also allows the option of using a third party Joystick system while still meeting full Class 2 regulations.

Some of the key features include:

- Integrated 3-axis joystick control
- Automatic heading control
- Automatic position control
- Automatic "Hold Area" for improved fuel economy
- Fully redundant control system
- Wind Compensation
- Transit Mode
- Optional modes including high- and low-speed Track Follow, Fire Monitor Compensation and ROV Follow with watch circle capability

Easy to upgrade, the NMS6000 can be modified to higher specification systems by adding sensors and workstations. In addition, the modular architecture allows more advanced system configurations including thruster controls, alarm and monitoring systems and power monitoring systems for complete vessel control solutions. Typical applications for Class 2 systems include offshore support vessels, dive support vessels, cable/pipelay vessels and other critical operations.



**communications**

**Dynamic Positioning & Control Systems**

C<sup>3</sup>ISR > GOVERNMENT SERVICES > AM&M > SPECIALIZED PRODUCTS

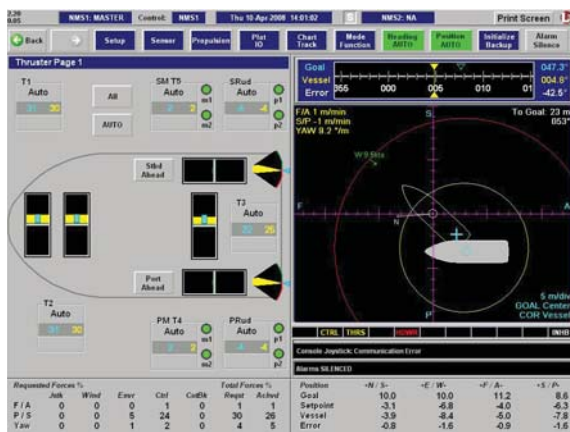
This technical data and software is considered as Technology Software Publicly Available (TSPA) as defined in Export Administration Regulations (EAR) Part 734.7-11. Call for latest revision. All brand names and product names referenced are trademarks, registered trademarks, or trade names of their respective holders.

# Dynamic Positioning and Controls Systems

## Proven Vessel Control and Monitoring Solutions

### The Benefits

- Latest Type-Approved industry standard hardware – Active Matrix TFT LCD displays with touch screen and available integrated PCs provide high levels of performance, reliability and supportability.
- Flexible and scalable – Commercial-Off-The-Shelf hardware and software platforms provide a system that can be supplied at the appropriate level to meet current requirements but still easily adapt to growing customer needs.
- Network/server architecture – Using WINDOWS XP Server OS allows remote control and monitoring stations to be strategically placed throughout the vessel.
- Distributed control – Minimizes long cable runs, reducing shipboard cable costs and improving reliability.
- Integrated system – Standard network protocols including ModBus, RS232, RS422, RS485 allow data from a wide range of other manufacturers' systems to be easily integrated into the NMS6000.
- Flexible installation – A variety of hardware options available ranging from components for mounting in existing consoles to complete console arrangements custom designed by L-3 DP&CS.



Graphical Thruster Display Screen



Class 2 Operator Console

## Offices Worldwide

### California

12131 Community Road  
Poway, California 92064  
USA

Tel: +1 858.679.5500  
Fax: +1 858.679.5501

### Texas

6610 W. Sam Houston  
Pky North, Suite 300  
Houston, Texas 77041

Tel: +1 713.880.2866  
Fax: +1 713.880.2734



**communications**  
Dynamic Positioning & Control Systems

[www.L-3com.com/dpcs/](http://www.L-3com.com/dpcs/)

### United Kingdom

Thainstone Business Center  
Inverurie AB515TB  
Scotland

Tel: + 44 (0) 1467.628919  
Fax: + 44 (0) 1467.628958

### Singapore

Shaw House #19-01  
6350 Orchard Road  
Singapore 238868

Tel: + 65 6333.8119  
Fax: + 65 6333.8114