VESSEL TECHNOLOGY

DPSS® Net

The DPSS® Net is an easy to use tool which allows vessel crew to conduct network storm tests.

On a typical DP system a network storm should not have a detrimental effect on position keeping as there is typically redundancy in the form of dual networks.

The DPSS Net makes it quick and easy to conduct network storm tests on your DP system or other control systems. It does this by generating relevant packets of data to swamp the hardware under test.

The DPSS Net is customised to meet the needs and requirements of each vessel and updates can be provided remotely. The DPSS® Net puts the ability to easily simulate the signals into the hands of the user.

The DPSS® Net reduces the need for callouts to service engineers, **reducing downtime and expense** whilst being **independent from the manufacturer**. The DPSS® Net equips the vessel crew with the hardware to utilise the knowledge gained from the DP maintenance course.
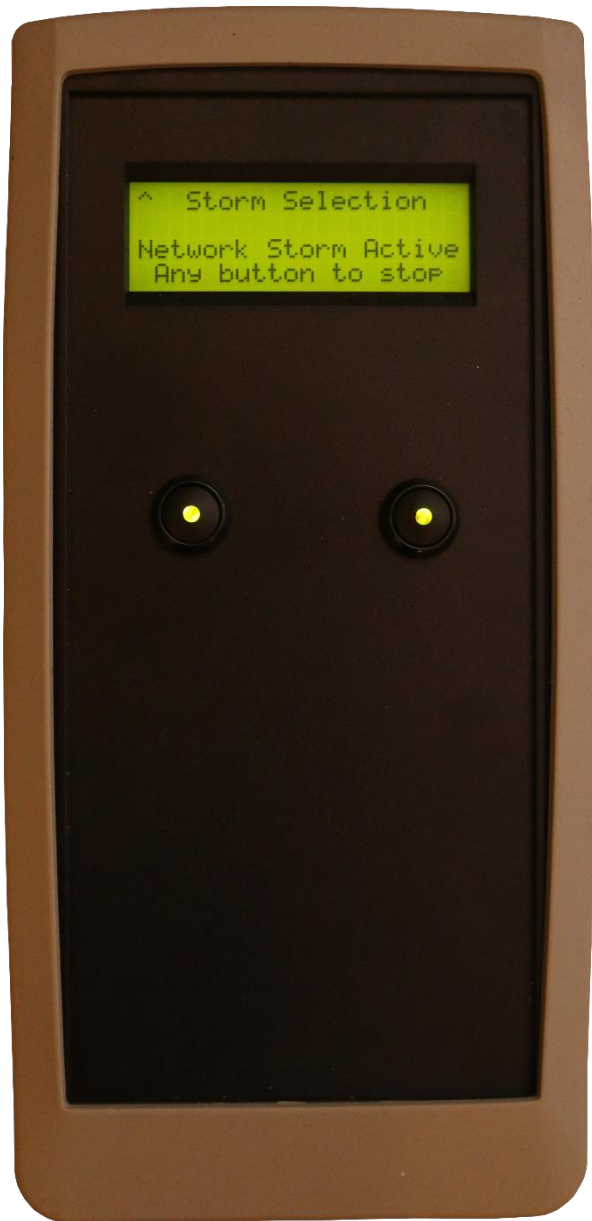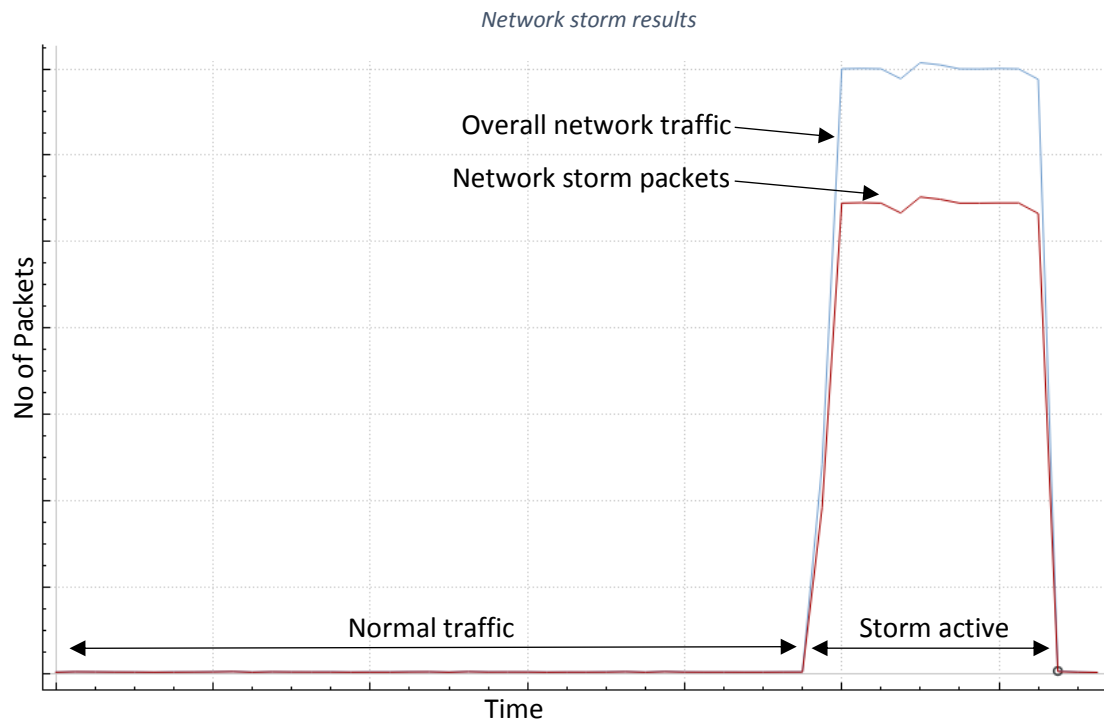
Benefits

- **No need for costly service engineer**
- **Independent from manufacturer**
- **Save time and conduct tests at a time convenient for the vessel**
- **Vessel crew equipped to perform testing**

Network storm results

Overall network traffic

Network storm packets

No of Packets

Normal traffic

Storm active

Time

Why the DPSS Net and not loop a cable in a switch?

Looping a network cable into a switch will increase the overall volume on the network rather than increasing that of only the relevant packets of data to target the hardware under test. However, the DPSS Net ensures that the extra packets of data on the network are predominately the relevant packets to test – see the chart above.

Will this work on my hardware/network?

The DPSS Net connects to a network with a standard RJ45 cable. The DPSS Net is configured to work with your equipment/network. An initial remote setup is undertaken and after this the firmware is updated with the settings for the vessel(s).

CAPABILITY	
Functionality	Customised to fit your hardware/network. Network storm tests can be configured as requested. Regular options include Kongsberg Network storm tests of DP and automation controllers.
Software updates	Remote software update capability

STANDARD SUPPLY	
Standard supply	DPSS Net unit, Power Supply, Manual and Ethernet cable

PHYSICAL	
DPSS® Net unit weight	0.65 Kg
DPSS® Net dimensions	27cm x 12.5cm x 5.7cm
Operating temperature range	0°C to 70°C

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