



## AIS Marking and Tracking Buoy 4950A

*The AIS Drifter Buoy is designed to mark and track oil spill and other floating objects.*

*The buoy position, drift speed and direction in the existing AIS system on board*

The AIS marker buoy marker buoy is designed for easy deployment in an event. Its robust design allows for launch from 50 meters height, i.e. helicopter or platforms.

The buoy is to be dropped around a detected oil spill and will mark and track the drift of the spill. For larger spills several buoys can be used at the same time to mark the spill area .

The buoy can also be fixed to other objects for temporary marking. When the buoy is deployed it provides position, drift speed and direction on the AIS screens.

The buoy transmits its position, drift speed and drift direction directly from the buoy to the surrounding ships. This is done by using existing AIS system, ship to ship or in this case buoy to ship. With this system you do not need internet access, satellite receiver on ship and software to receive information. The AIS system is VHF based with no transition cost compared to satellite transition system where you have to pay to connect and transmit data. By using the AIS

system all ships in the coverage area will see the buoy and can then assist. You are also not depending on one particular ship with special infrastructure onboard.

The AIS Marking and Tracking Buoy is developed based on specifications according to the requirements from The Norwegian Clean Sea Association for Operating Companies (NOFO).

Information from the buoy is transferred by AIS and displayed on the electronic chart system onboard any vessel that has up-to-date ECDIS software according to IMO standards.

The buoy is proven after extensive tests in the North Sea as well as in the Barents Sea.

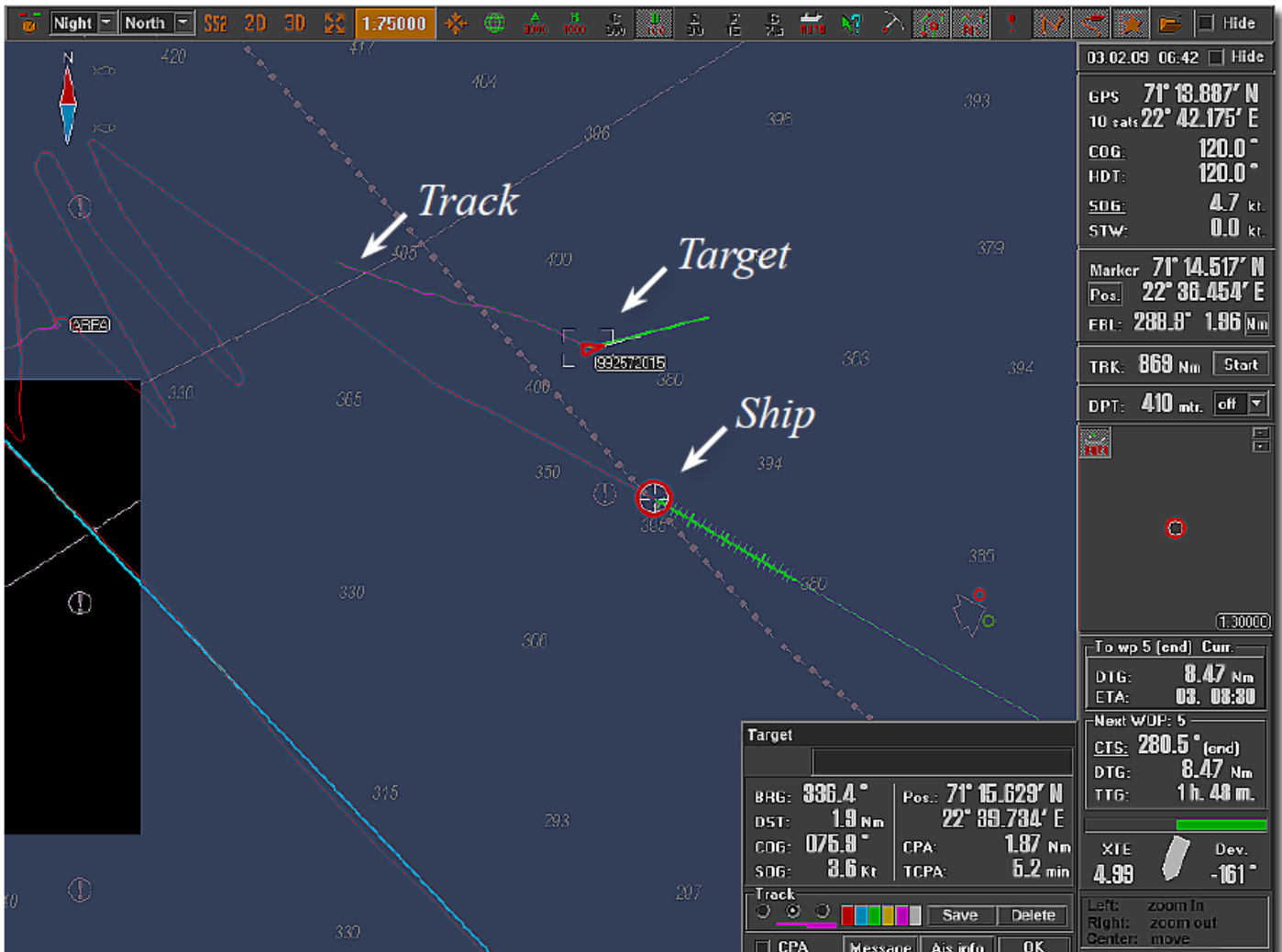
In the Barents sea the buoy showed excellent performance and the data were picked up well outside the specified range in wave heights of 10 meters.

# Specifications

D398 - January 2010



<b>Communication:</b>	AIS Class B transponder
<b>Information:</b>	position, speed and heading
<b>Drop launch:</b>	max 50 meter
<b>Transmitting Range:</b>	
Buoy to Ship:	7-10Nm
Buoy to Base Station:	25+Nm
<b>Weight:</b>	8 kg
<b>Dimensions:</b>	30 cm in diameter
<b>Operation time:</b>	7 days
<b>Operation:</b>	ON/OFF plug
<b>Battery:</b>	NiCd Rechargeable
<b>Charging time:</b>	8 hours
<b>MMSI Number:</b>	The number to be provided by customer from the country's authority.



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