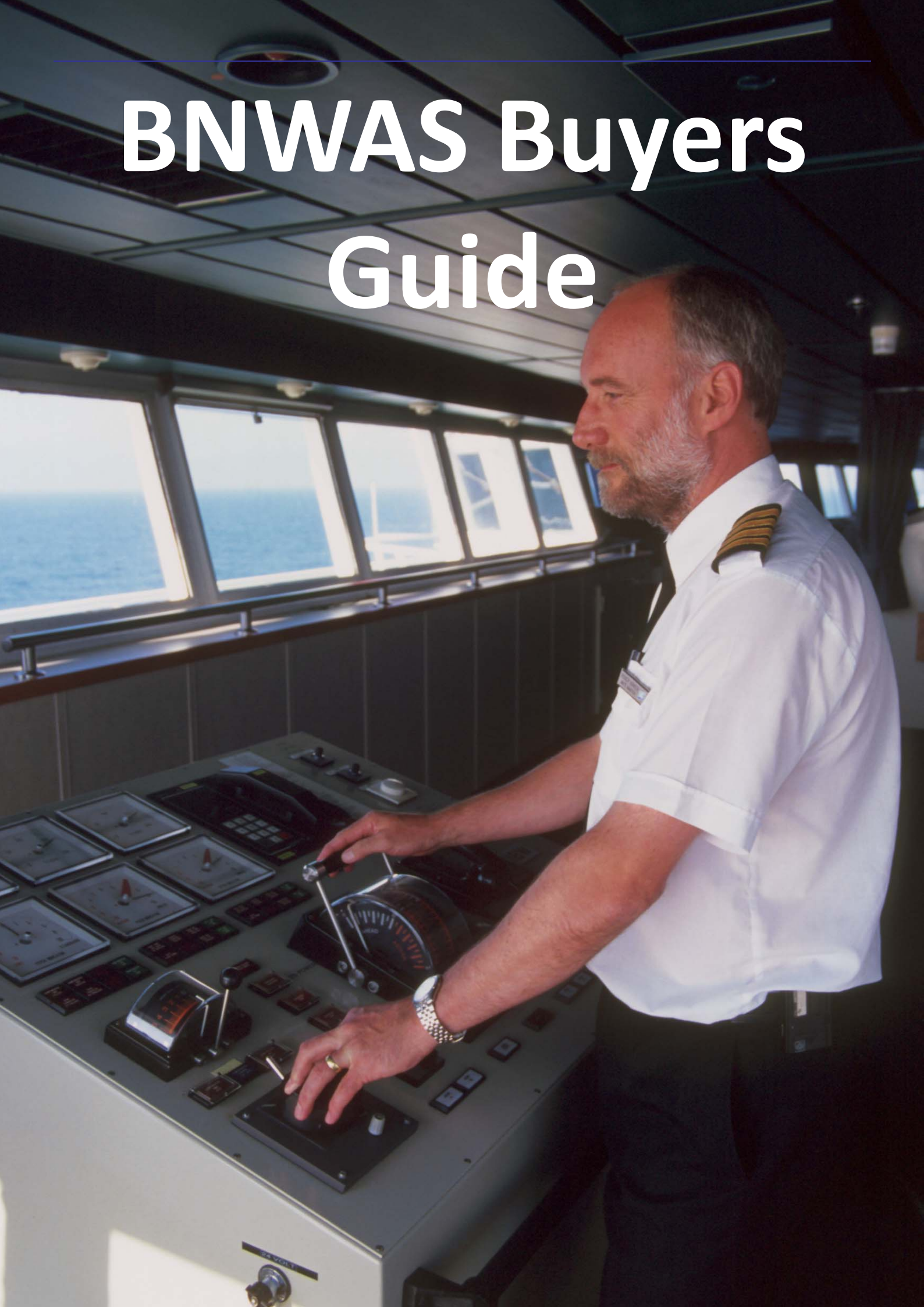


BNWAS Buyers Guide



1 When should you plan for installing BNWAS?

Various industry commentators have highlighted that ship owners & operators should be planning now for installing BNWAS. BIMCO have advised their members to look to install at their vessels' next dry-docking instead of waiting for the latest mandatory installation date.

2 How important is BNWAS Type Approval?

Very important - if your fleet has ships of different class, it is wise to select a BNWAS Type Approved by each classification society of your ships. This will avoid the risk of a classification society rejecting BNWAS that is only approved by another society, or incurring additional certification costs that can be more than the cost of the BNWAS equipment.

3 How important is it to consider total installed CLASS APPROVED cost of your chosen BNWAS?

It is critical for you to consider the total installed cost of your chosen BNWAS as the hidden costs of installation are generally much more than the cost of the BNWAS equipment itself. It is advised to choose a BNWAS system that offers you the easiest and quickest installation to save your precious budget.

4 What features will make the installation easier, quicker and cheaper?

- 4.1 BNWAS that allows you to cable reset sensors and alarms directly to the control and alarm panel without the need for a separate and additional interface module
- 4.2 BNWAS with its own battery back-up to avoid you having to install a separate additional emergency power supply
- 4.3 BNWAS that uses a single cable type between all sensors, alarms and control panel
- 4.4 BNWAS with integral motion sensor on the controller with no need for cabling remote sensors on smaller bridges
- 4.5 BNWAS that has an integral fault alarm so avoiding the requirement to buy and fit an additional fault alarm panel
- 4.6 BNWAS that has an integral NMEA output to VDR so avoiding the requirement to buy and fit an additional NMEA module
- 4.7 BNWAS that has screwed connectors so avoiding the requirement to arrange for soldered connections
- 4.8 BNWAS that is supplied as standard complete with all system and component brackets and bulkhead fixings; all system cable glands.
- 4.9 BNWAS that has integral alarm stage 1 bridge 85dB alarm sounder so avoiding the requirement to install and cable a separate one
- 4.10 BNWAS that allows direct wiring to PIR so avoiding the requirement for a "patch cable", distribution box, and electronic module.
- 4.11 BNWAS that has integral officer cabin select facility instead of requiring you to buy and install a separate cabin selector switch

5 What BNWAS motion sensor type should you chose?

- 5.1 Sensors that use **both** infra-red & microwave technology to prevent you from the problems of false reset by air-conditioning systems or objects moving on the bridge which affect conventional infra-red motion sensors.

5.2 Sensors that incorporate temperature compensation to provide automatic sensitivity adjustment to prevent them being ineffective at high bridge temperatures

6 What important additional features might be of value you look for in BNWAS?

6.1 Data-logging of alarms in real time – in the event of an incident you will need to understand what happened on your bridge and a data-logging option will provide you with essential evidence

6.2 RS485 serial communications for connection to your VDR providing the highest possible degree of alarm/event logging and data security. This could be used as crucial evidence in an accident investigation.

6.3 Extended warranty – look for maximum 3-YEAR warranty term available

6.4 Worldwide network of approved sales, service and installation partners

6.5 BNWAS and supplier backed by a comprehensive reference list and positive testimonials from happy customers

6.6 System that is built to last on ships

6.7 BNWAS that enables logging of when the system is switched ON & OFF

6.8 System that provides a secure means of preventing the crew switching it off

6.9 For ships with small bridges a full self contained system with all functions integral in a single box

Help decide on your preferred BNWAS by using the following comparison table of key features of manufacturer's systems – SEE NEXT PAGE

BNWAS Makers' Comparison Table

KEY FEATURES	MAKER – Answer YES/NO to each feature				
BNWAS Type Approved by each classification society of your ships?					
Cable directly to controller without separate interface module?					
Battery back-up to avoid installing separate emergency power supply?					
Single cable type between all sensors, alarms and control panel?					
Direct wiring to PIR with no “patch cable”, box, & electronic module?					
BNWAS with all functions integral in a single box (small bridges)					
BNWAS with integral fault alarm?					
BNWAS with integral NMEA output?					
BNWAS panel with integral cabin selector					
Supplied as standard with all brackets fixings; cable & glands?					
BNWAS integral alarm stage 1 bridge 85dB alarm sounder?					
BNWAS sensors that use both infra-red & microwave technology?					
Temp' compensated motion sensors with & auto sensitivity adjustment?					
BNWAS with password protection & no keys to lose?					
Data-logging of BNWAS alarms in real time?					
RS485 serial communications for connection to your VDR?					
Extended 3-year warranty?					
Worldwide network of sales, service and installation partners?					
Robust construction - system that is built to last on ships?					
Comprehensive references & happy customer testimonials?					
BNWAS that logs when the system is switched ON & OFF					
System that provides secure means of preventing crew switching it OFF					
Total “Yes” scores					