BRIDGE NAVIGATIONAL WATCH ALARM SYSTEM
BNWAS Check List

Vessel Information:

Vessel Name: _____

Type: _____

Length: _____

Registry: _____

GT: _____

This checklist is intended to provide customers and dealers fitting Bridge Navigation Watch Alarm Systems (BNWAS) with a handy, concise document to list system components and proposed bridge layout. The Furuno BR500 BNWAS consists of the following standard-supply items:

- BR510 Main Alarm Panel
- BR520 Processor Unit
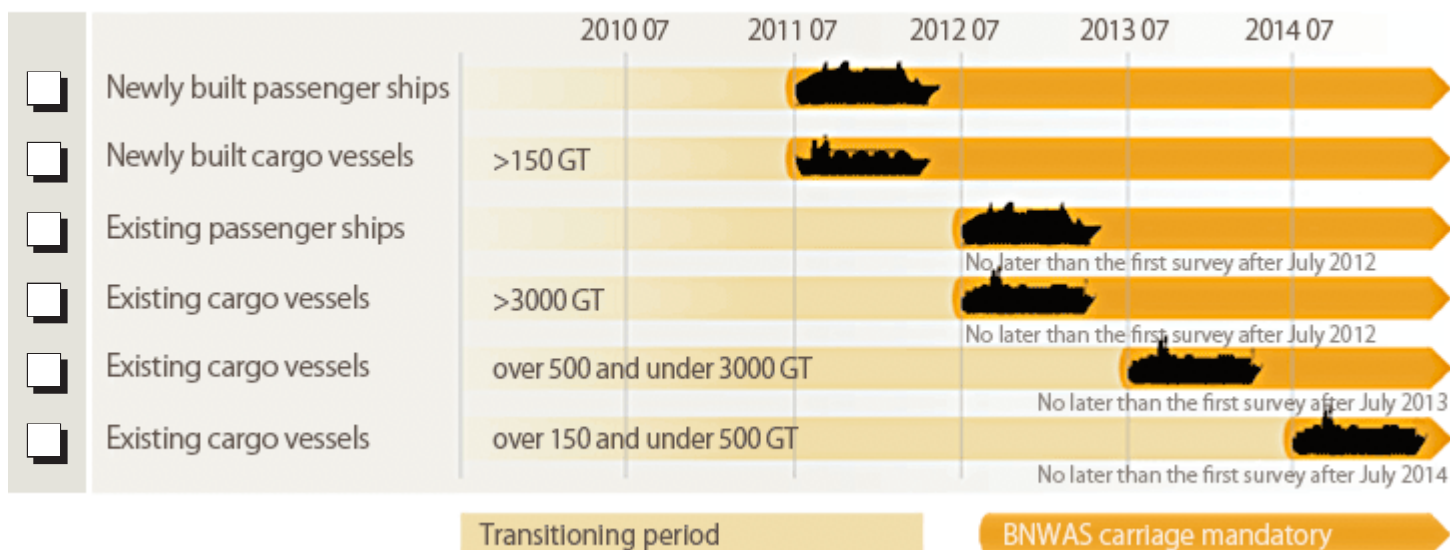- 10-Meter Interconnect Cable

IMO regulation MSC.128(75) mandates the following bridge alarm reset facilities:

"5.1.4 Reset facilities: Means of activating the reset function should only be available in positions on the bridge giving proper lookout and preferably adjacent to visual indications. Means of activating the reset function should be easily accessible from the conning position, the workstation for navigating and maneuvering, the workstation for monitoring and the bridge wings."

The vessel owner/operator should choose from the range of options on the back of this page to create a BNWAS configuration appropriate to vessel size, layout, bridge management scheme and class requirements.

Implementation schedule of Bridge Navigational Watch Alarm System (BNWAS)

		2010 07	2011 07	2012 07	2013 07	2014 07
☐	Newly built passenger ships					
☐	Newly built cargo vessels	>150 GT				
☐	Existing passenger ships			No later than the first survey after July 2012		
☐	Existing cargo vessels	>3000 GT		No later than the first survey after July 2012		
☐	Existing cargo vessels	over 500 and under 3000 GT			No later than the first survey after July 2013	
☐	Existing cargo vessels	over 150 and under 500 GT				No later than the first survey after July 2014

Transitioning period   BNWAS carriage mandatory

[Note: Furuno USA has no authority to interpret regulations or predict class requirements. We recommend consultation with class experts to clarify BNWAS requirements specific to class, vessel particulars and management scheme.]

1. BR530 Timer Reset Panel

MSC.128(75) 5.1.4: Means of activating the reset function should only be available in positions on the bridge giving proper lookout and preferably adjacent visual indications. Means of activating the reset function should be accessible from the Conning Position, Navigation Workstation, and Bridge Wings. *Required Option, max 6*.

Location	QTY
_____	_____
_____	_____
_____	_____
_____	_____
Total	_____

2. BR550 Watertight Timer Reset Panel

MSC.128(75) 5.1.4: Means of activating the reset function should only be available in positions on the bridge giving proper lookout and preferably adjacent visual indications. *Open Bridge Wings require waterproof reset panels. Max 6 including BR530.*

Location	QTY
_____	_____
_____	_____
Total	_____

3. BR540 Cabin Panel

MSC.128(75) 5.2.4: The remote audible alarm which sounds at the locations of the Master, Officer and other crew members capable of taking corrective action should be easily identifiable by its sound and should indicate urgency. The volume of this alarm should be sufficient for it to be heard throughout the locations above and to wake sleeping persons. *Required Option, max 12.*

Location	QTY
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
Total	_____

4. BR560 Motion Detector

MSC.128(75) 4.1.3: The optional BR560 Motion Detector automatically resets the timer when it detects human motion within its field of view. Motion detectors can be installed in operational positions on the bridge where the OOW may reasonably be expected to be stationed. *When installed overhead at a height of 3 meters, the BR560 covers a circular area approximately 5 meters in diameter.*

Location	QTY
_____	_____
_____	_____
_____	_____
Total	_____

5. BR570 Flash Beacon

MSC.128(75) 5.2.2: The visual indication initiated at the end of the dormant period should take the form of a flashing indicator. Flashing indications should be visible from all operational positions on the bridge where the OOW may reasonably be expected to be stationed.

Location	QTY
_____	_____
_____	_____
_____	_____
Total	_____

Sample Bridge layout with component placement

- BR510 Main Panel
- BR530 Timer Reset
- BR550 Watertight Reset Panel
- BR560 Motion Detector
- BR570 Flash Beacon

X-Band Radar
S-Band Radar
Navaid Console
Nav Console
Survey Console
Steering Stand
Port Bridge Wing
Starboard Bridge Wing
GMDSS Console
Radio Table
Chart Table