

# Appendix 2: ANZAC Ship Baseline Characteristics

## Major Characteristics

The ship shall exhibit the following major characteristics:

- a range of 6000 nautical miles at 18 knots with no fuel remaining;
- a minimum endurance for logistic supplies of 30 days;
- a propulsion system consisting of two cruise diesel engines and a gas turbine capable of a maximum speed of at least 27 knots and capable of continuous slow speed operation down to 5 knots in calm seas;
- sea keeping qualities that will enable weapon, crew, sensor, replenishment and helicopter operations in sea state 5;
- the ability to operate and hangar the *Seahawk* helicopter, and to maintain a medium sized (up to 10,000kg) helicopter including a simple helicopter securing and traversing system;
- reduced magnetic, acoustic, radar and infra red signature levels; and
- damage control measures to combat flood, fire, smoke and shock.

## Fitted Equipment

The following equipment shall be fitted on board:

- a 76mm gun with magazine capacity for a minimum of 600 rounds of ammunition, with an option for a 127mm gun in lieu of the 76mm;
- an austere point defence missile system (PDMS) with an 8 cell vertical launch system (VLS);
- a target indication/fire control system shared between the gun and the PDMS;
- a two-dimensional air surveillance radar with integral Identification Friend or Foe (IFF);
- an electronic support measures (ESM) system providing a surveillance and anti-ship missile warning capability over the frequency range 0.1 to 18 GHz and a communication intercept/DF system covering the frequency range of 1 to 500 MHz;
- a chaff dispensing system;
- a hull mounted sonar;
- a torpedo decoy system;
- a modern, modular and proven command and control system compatible with the above equipment, and capable of modification as necessary to accommodate any or all of the equipment in 1.3 and 1.4; and
- a communications transmission, reception and message handling system, for which the MF/HF communications sub-system shall be broadband.

## **Provision for Fitting of Equipment**

### 1.3 Fit for But Not With (FFBNW)

- a towed array of the 2031 type or a derivative thereof; and
- a ship launched torpedo system compatible with Mk 46 and *Stingray* torpedoes.

## **Allowance for Fitting of Equipment**

Space and Weight (S&W) allowance shall be made for the later fitting of the following equipment:

- a Close in Weapon System (CIWS);
- an electronic countermeasures (ECM) system covering the frequency range 7.5 to 18 GHz;
- an anti-ship missile defence (ASMD) decoy; and
- anti-ship capable missiles in canister configuration.