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Arafura Class OPV

Australia's current [Armidale class and Cape class patrol boats](#) are planned to be replaced with a single class of Offshore Patrol Vessel (OPV), under Project SEA 1180 Phase 1, to be built in Australia by German shipbuilder, Lürssen's subsidiary, Luerssen Australia partnering with Australian shipbuilder, Cvmec in the joint venture, Australian Maritime Shipbuilding & Export Group (AMSEG).

The twelve Australian vessels are based on the PV80 design with the first two vessels to be built at ASC's Osborne ship yard in South Australia before production moves to Cvmec's Henderson ship yard in Western Australia.

On 15 November 2018, the Chief of Navy, VADM Mike Noonan, announced that the OPV will be known as the Arafura Class with construction commencing at the Osborne ship yard.

The primary role of the OPV will be to undertake constabulary missions, maritime patrol and response duties. State of the art sensors as well as command and communication systems will allow the OPVs to operate alongside Australian Border Force vessels, other Australian Defence Force units and other regional partners.

The OPV design will support specialist mission packages, such as a maritime tactical unmanned aerial system, and into the future, rapid environmental assessment and deployable mine counter measure capabilities.

The lead vessel, HMAS *Arafura* is planned to enter service in 2021.



Type	Offshore Patrol Vessel (OPV)
Roles	<ul style="list-style-type: none"> • Maritime border patrol • Maritime constabulary roles including interdiction • Fisheries patrol • Humanitarian and disaster relief
Builder	Luerssen Australia and Cvmec
Displacement	1,640 tonnes
Length	80 metres
Beam	13 metres
Draught	4 metres
Propulsion	2 x 4,250KW diesel engines
Speed	20 knots (maximum)
Range	4,000 nautical miles
Boats	<ul style="list-style-type: none"> • 2 x 8.5 metre Boomeranger FRB 850 RHIBs (davit-launched) • 1 x 10.5 metre Boomeranger C 1100 RHIB (stern-launched)
Weapons	<ul style="list-style-type: none"> • 40mm gun • 2 x 50 calibre machine guns
Company	40 crew with accommodation for up to 60 personnel
News Articles	Navy Daily

SEA1180 Offshore Patrol Vessel Program



DIMENSIONS:
Length — 80 metres
Beam — 13 metres



DISPLACEMENT:
1640 tonnes



PROPULSION:
2 Diesel Engines



SPEED:
Speed — 20 knots +



RANGE:
4,000 nautical miles



WEAPONS:
40mm Gun
2 x 50 Cal. Machine Guns



SEA BOATS:
2 x 8.5 metre side launched
1 x 10.5 metre stern launched



SENSORS:
Electro Optical Sensors
Electronic Warfare Systems
2D Radar
UAV Capable



C2 AND COMMS:
SAAB and L3



ACCOMMODATION:
40 crew with accommodation and services for up to 60



Arafura Class OPV infographic

Name	Pennant	Commissioned	Commanding Officer	Status
NUSHIP Arafura				Under construction



To fight and win at sea.

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