

OFFSHORE PATROL VESSELS 2014+

APRIL 2014

The United States Coast Guard Legend-class National Security Cutter BERTHOLF (WMSL-750)



Photo: dhs.gov

INTRODUCTION

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ffshore Patrol Vessels (OPVs) are the fastest growing segment of the Naval Vessels Market. At least 23 countries are known to have a total of 125 OPVs on order and 28 countries plan for another 265 at a total value of over \$57 billion. The total number of OPVs on order has increased by 7% in the last year, while the number planned for the future has also increased - by 40%.

Asia has the largest proportion of the current fleet (40%) and the numbers on order (67%). Japan and India have 56% of the Asian vessels between them, while India alone has 42% of the total vessels on order worldwide. The African proportion of the world OPV fleet has grown from 5% -7% over the last year.

OPVs can be broadly classified into 2 types; 1) High-end war-fighting vessels with expensive weapon systems and C4I suites and 2) More basic patrol vessels, designed for sustained low intensity missions and equipped with basic gun armaments, standard navigation sensors and built to commercial standards.

Which of these types a country chooses, depends on its particular naval requirements, resulting from its geographic location, political aspirations and intended role of its naval force. However, the majority of OPV programmes are of the cheaper multi-role variety. These are being used in an increasing number of roles, including fishery protection, pollution control, fire-fighting, salvage or search and rescue (SAR), counter-narcotics, humanitarian operations and exclusive economic zone (EEZ) patrol.



This report is available as a complimentary resource for all those involved within the industry and those attending [Offshore Patrol Vessels 2014](#), taking place in Dublin, Ireland (September 30 - October 02, 2014).

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OFFSHORE PATROL VESSELS

COUNTRIES WITH OPV REQUIREMENTS

Albania

Modernisation Plan

Mid-term (by 2020) – 2 x 60-80m multifunction OPVs

Long-term – 2 x 60-80m multifunction vessels.

Angola

Negotiations with Brazil for a 54 Metre Macae Class and a 46.5 Metre Grajau Class Vessel were reported in 2012. A contract was anticipated in 2013.

Argentina

Project PAM (Patrulleros de Alta Mar) is for 4 OPVs of 1,880 tons. Approval was given in 2007 and bids sought in October 2010, but no keel has yet been laid, due to acute funding problems. The Coast Guard has plans to procure a second-hand 60 metre ship for a Polar Logistics Role.

Australia

A fleet of 20 Offshore Combatant Vessels (OCVs) of 1,500 tons equipped with modular mission systems is planned, to incorporate the capabilities presently provided by the RAN's separate patrol boat, hydrographic and minehunter fleets.

However, the 2013 White Paper on Defence reported that a stop-gap replacement would be sought for the Armidale Class patrol boats, with mine warfare and survey vessels to be upgraded. It also stated that 'a modular multi-role vessel remains a possible longer-term capability outcome.'

Brazil

3 Macae class OPVs are in service, with 3 more on order, for delivery from 2012-2014 and another 6 approved, with an eventual total of up to 46 planned.

Canada

The Arctic Offshore Patrol Ship (AOPS) project was approved in 2007 for up to 8 vessels. Irving Shipbuilding of Halifax won the contract to develop the ships in July 2012. Construction of the first ship is due to begin in 2015, with all 8 scheduled for delivery from 2018-2023. The project is estimated to cost CAN\$3.1 billion (\$2.45 billion).

Chile

A third OPV 80 Ocean Patrol Vessel, the Marinero Fuentelba, has been launched, for commissioning by the end of 2014. It will join the Comandante Toro and its sister ship, first-of-class Piloto Pardo, which were built to an 80.6 metre design from German company Fassmer under the \$54 million maritime zone patrol vessel programme.

Colombia

3 OPVs are being built by COTECMAR in Cartagena, with the first, ARC 20 de Julio, commissioned in 2012 and the second, ARC 7 de Agosto, scheduled for commissioning in 2014. The third vessel is due to commission in 2015 and a fourth ship is expected.

Cyprus

Approval has been given for the Naval Command to procure 2 OPVs. It is believed that EUR 120 million (\$159 million) has been allocated to the project, but no delivery timescales have been announced.

Ecuador

Plans to acquire 1 OPV of 1,500 – 1,800 tons.

France

The P400 OPVs will be retired before the new BATISMAR vessels enter service in the early 2020s. 15 vessels are planned (some sources state that up to 20 vessels are planned). In order to cover the capability gap, the French Navy has re-rolled 9 Type A 69 D'Estienne d'Orves-class light frigates.

Ghana

Approval was reportedly given in 2010 for 7 patrol vessels – from China (4) and South Korea (3).

Greece

The Coast Guard issued a tender for a 60 Metre OPV in 2007, but nothing further has been reported.

India

5 new 95 metre OPVs are to be built at Pipavav Shipyard. There are also plans to acquire up to 16 55 metre ASW patrol ships.

Ireland

The Naval Service Replacement Programme is for the replacement of all eight patrol ships by 2025. A contract has been signed with Babcock Marine for the delivery of 2 90 metre OPVs for delivery in 2014 and 2015, with an option on a third vessel likely.

Korea (South)

6 new OPVs are to be acquired by the Maritime Police. These will include three 3,000 ton helicopter-capable ships and three 1,500 ton ships.



COUNTRIES WITH OPV REQUIREMENTS

Morocco

The first OPV 70-class patrol vessel for the Royal Moroccan Navy was commissioned in mid-2011. More ships are projected (3?).

Nigeria

The first of 2 P-18N OPVs was launched by the China Shipbuilding and Offshore International Co (CSOC) on the 27th January 2014. Delivery is expected in mid-2014. A further 10 OPVs are planned to enter service by 2020.

Peru

In mid-September 2013 the Peruvian Navy (MGP) selected an OPV design from South Korea's STX Offshore & Shipbuilding, and signed a \$83 million contract for license production of five vessels at Peru's SIMA shipyards.

The MGP in 2012 announced plans to build 10, 500-ton exclusive economic zone patrol vessels at SIMA.

Philippines

Plans to procure 2 offshore patrol craft are included in the 2012- 2016 modernization plan. A total of 18 OPVs are eventually planned – they may be operated by the Coast Guard.

Portugal

5-10 OPVs/CPVs are required.

South Africa

Under Project 'Biro' – 'Multi-mission OPVs' are to be built in South Africa. Current indications are that the OPVs will be between 85-100m in length with a displacement of 1500 tons, which would mean a ship in roughly the same class as the Sigma 8313 and 9113 or MEKO A-100. DCNS have offered the Gowind Design.

Approval was given by the Armaments Acquisition Council in early 2014 and a request for offers is expected before mid 2014. 3-4 ships are likely to be required for IOC in 2018.

Spain

A second buy of 3 Buque de Accion Maritima (BAM) OPVs has been postponed due to budget cuts.

Sri Lanka

The Sri Lankan Navy C-in-C stated a requirement for 5-6 OPVs in September 2010, reflecting a need to re-balance fleet capabilities with more emphasis on EEZ surveillance.

Thailand

Up to 5 more Krabi Class OPVs are possible, subject to funding.

UK

Long-lead equipment has been ordered from BAE Systems Maritime for 3 OPVs. Delivery planned for 2017-18.

Ukraine

Plans to acquire an OPV of around 1,000 tons.

Uruguay

Uruguay reportedly wants to lease 3 OPVs. DCNS may have been selected. Alternatively, 2 OPVs may be built in a local shipyard, under a license with ENVC of Portugal, based on the Navio de Patrulha Oceanica 2000 design.

U.S.A

The third Legend-class National Security Cutter (NSC) was commissioned in early 2012. The 4th is 'in the water' and the 5th is due for launching in 2014. Northrop Grumman is building the 4,112-ton NSCs at its Ingalls yard in Pascagoula, Mississippi, under the coast guard's US\$24 billion Deepwater acquisition programme. 8 ships are planned to replace the ageing Hamilton-class cutters, the first of which was commissioned in 1967.

FRC – Fast Response Cutter (Sentinel class)

18 under contract - 58 total planned.
4-6 ships per year being procured.
Top speed 28 knots.

Offshore Patrol Cutter (OPC)

Preliminary Design contracts have been awarded to Bollinger Shipyards, Eastern Shipbuilding Group and General Dynamics Bath Iron Works. Demanding design requirement. 30 year fatigue life. 3 designs to be reduced to 1 (Phase II). Down-Select scheduled for late 2014 or early 2015 – 25 planned to replace 13 Famous Cutter Class and 14 Reliance Class ships.

Venezuela

6 Stan Patrol 5009 OPVs and 6 Stan Patrol 4207 CPVs ordered at a cost of \$302 million.

Vietnam

6 OPVs are reportedly under construction in local yards for the Coast Guard.



WORLD OPV FLEET SUMMARIES & FUTURE PLANS

COUNTRY	CURRENT OPVs	FUTURE PLANS
ANGOLA	2 DAMEN 6210 CLASS 5 OPV	
ARGENTINA	0+4 PROJECT PAM CLASS OPVS ON ORDER 2 CHEROKEE CLASS 1 OLIVIERI CLASS 1 SOTOYOMO CLASS 5 HALCON CLASS (COAST GUARD) 1 PATROL SHIP (COAST GUARD)	PROJECT ON HOLD FOR FINANCIAL REASONS
AUSTRALIA	3 OPVs (CUSTOMS) 1+7 CAPE CLASS (CUSTOMS)	UP TO 20 OFFSHORE COMBAT VESSELS (OCVs) MAY BE PROCURED BY 2030 DELIVERY MARCH 2013 – AUGUST 2015
AZERBAIJAN	1 BRYZA CLASS 1 SHELON CLASS	
BANGLADESH	1 MADHUMATI CLASS 1+4 OPV 6 ISLAND CLASS 2 CASTLE CLASS	1 OPV PLANNED 1ST COMMISSIONED IN 2013
BRAZIL	3+3 (6) MACAE CLASS (NAPA 500) 12 GRAJAU CLASS 4 BRACUI CLASS 3 90 METRE OPVs	CLASS OF 12 PROJECTED BY 2016 – 1ST COMMISSIONED 2009. ALL 12 PHASE 1 APPROVED. UP TO 46 PLANNED IN TOTAL – 15 IN PHASE 2; 19 IN PHASE 3. ORIGINALLY BUILT FOR TRINIDAD & TOBAGO
BRITISH INDIAN OCEAN TERRITORY	1 FISHERY PATROL SHIP	
BRUNEI	3 DARUSSALAM CLASS	ENTERED SERVICE IN 2011

CAMEROON	1 FLAMANT CLASS 1 BAKASSI CLASS	
CANADA	1 SIR WILFRED GREWFELL (COAST GUARD) 1 LEONARD J COWLEY CLASS (COAST GUARD) 2 CAPE ROGER CLASS (COAST GUARD)	UP TO 8 POLAR 5 AOP CLASS PLANNED FOR DELIVERY FROM 2018-23
CAPE VERDE	1 GUARDIAO CLASS 1 KONDOR I CLASS	
CHILE	2+1 PILOTO PARDO CLASS	
CHINA	1 HAIXUN 21 CLASS (MARITIME SAFETY ADMINISTRATION) 1 HAIXUN 31 CLASS (MARITIME SAFETY ADMINISTRATION) 1 HAIXUN 11 CLASS (MARITIME SAFETY ADMINISTRATION) 1 HAIXUN 051 CLASS (MARITIME SAFETY ADMINISTRATION) 1 HAIXUN 01 CLASS (MARITIME SAFETY ADMINISTRATION) 1 TYPE 718 (COAST GUARD) 2 JIANGHU CLASS (COAST GUARD)	WAS EXPECTED TO ENTER SERVICE IN 2013
COLOMBIA	2 +1 ARC 20 DE JULIO CLASS 1 RELIANCE CLASS 1 BALSAM CLASS	
CONGO-BRAZZAVILLE	4 PATROL CRAFT	
COTE D'IVOIRE	1 PATRA CLASS	OPERATIONAL STATUS DOUBTFUL 3 33 METRE PATROL BOATS ARE ON ORDER FROM RAIDCO MARINE
DENMARK	2 KNUD RASMUSSEN CLASS (ARCTIC PATROL SHIPS)	DELIVERED 2008-2009.

OPV FLEET SUMMARIES & FUTURE PLANS (CONT)

COUNTRY	CURRENT OPVs	FUTURE PLANS
DOMINICAN REPUBLIC	2 BALSAM CLASS	
ECUADOR	3 ISLA FERNANDINA (VIGILANTE) CLASS (COASTGUARD)	PLANS TO ACQUIRE 1 OPV OF 1,500 – 1,800 TONS
EQUATORIAL GUINEA	2 KIE NTEM CLASS 1 PV 50M CLASS 1 PV88 CLASS	DELIVERED IN 2011
ESTONIA	1 SILMA CLASS (BORDER GUARD) 1 KINDRAL KURVITS CLASS (BORDER GUARD)	
FALKLAND ISLANDS	1 FISHERY PATROL SHIP	
FAROE ISLANDS	2 PATROL SHIPS (COASTGUARD)	
FINLAND	1 IMPROVED TURSAS CLASS (BORDER GUARD) 2 TURSAS CLASS (BORDER GUARD) 3 TELKKA CLASS (BORDER GUARD) 0+1 UVL 10 CLASS (BORDER GUARD)	COMPLETION WAS EXPECTED IN NOVEMBER 2013
FRANCE	1 L'ADROIT CLASS 1 LAPEROUSE CLASS 4 P400 CLASS 9 D'ESTIENNE D'ORVES CLASS 1 TRAWLER TYPE 1 LE MALIN CLASS 3 FLAMANT CLASS	ON LOAN FROM DCNS FOR INITIAL 3 YEAR PERIOD (2012-2015) LIKELY TO DE-COMMISSION BY 2014 1ST LIFE EXPIRES IN 2015
GABON	2 P400 CLASS	

GEORGIA	1 LINDAU CLASS	
GERMANY	3 BAD BRAMSTEDT CLASS COAST GUARD) 1 BREDSTEDT CLASS (COAST GUARD) 2 SASSNITZ CLASS (COAST GUARD)	
GHANA	2 LURSSON FPB 45 CLASS 2 BALSAM CLASS	APPROVAL FOR 7 PATROL VESSELS REPORTEDLY GIVEN IN 2010 – FROM CHINA ((4) AND SOUTH KOREA (3)
GUYANA	1 RIVER CLASS	
ICELAND	2 AEGIR CLASS 1 THOR (ULSTEIN UT 512L) CLASS	
INDIA	2+2 SARYU CLASS 6 SUKANYA CLASS 6 SDB MK.5 CLASS 10+4 CAR NICOBAR CLASS 2 + 6 SANKALP CLASS (COAST GUARD) 2+1 SAMUDRA CLASS (COAST GUARD) 4 SAMAR CLASS (COAST GUARD) 6 VIKRAM CLASS (COAST GUARD) 3 VISHWAST CLASS (COAST GUARD) 3 + 9 RANI ABBAKKA CLASS (COAST GUARD) 8 PRIYADARSHINI CLASS (COAST GUARD) 6 TARA BAI CLASS (COAST GUARD) 7 SAROJINI NAIDU CLASS (COAST GUARD) 0 + 8 45 METRE PATROL BOATS (COAST GUARD)	FIRST COMMISSIONED IN JANUARY 2013. LAST 4 ORDERED IN 2012 RFI FOR FURTHER 6 ISSUED IN 2010. FIRST DELIVERY IN 2015. COMMISSION 2012 - SIMILAR TO CAR NICOBAR CLASS. FIRST DELIVERY WAS DUE IN MID-2013

OPV FLEET SUMMARIES & FUTURE PLANS (CONT)

COUNTRY	CURRENT OPVs	FUTURE PLANS
DOMINICAN REPUBLIC	2 BALSAM CLASS	
ECUADOR	3 ISLA FERNANDINA (VIGILANTE) CLASS (COASTGUARD)	PLANS TO ACQUIRE 1 OPV OF 1,500 – 1,800 TONS
EQUATORIAL GUINEA	2 KIE NTEM CLASS 1 PV 50M CLASS 1 PV88 CLASS	DELIVERED IN 2011
ESTONIA	1 SILMA CLASS (BORDER GUARD) 1 KINDRAL KURVITS CLASS (BORDER GUARD)	
FALKLAND ISLANDS	1 FISHERY PATROL SHIP	
FAROE ISLANDS	2 PATROL SHIPS (COASTGUARD)	
FINLAND	1 IMPROVED TURSAS CLASS (BORDER GUARD) 2 TURSAS CLASS (BORDER GUARD) 3 TELKKA CLASS (BORDER GUARD) 0+1 UVL 10 CLASS (BORDER GUARD)	COMPLETION WAS EXPECTED IN NOVEMBER 2013
FRANCE	1 L'ADROIT CLASS 1 LAPEROUSE CLASS 4 P400 CLASS 9 D'ESTIENNE D'ORVES CLASS 1 TRAWLER TYPE 1 LE MALIN CLASS 3 FLAMANT CLASS	ON LOAN FROM DCNS FOR INITIAL 3 YEAR PERIOD (2012-2015) LIKELY TO DE-COMMISSION BY 2014 1ST LIFE EXPIRES IN 2015
GABON	2 P400 CLASS	

GEORGIA	1 LINDAU CLASS	
GERMANY	3 BAD BRAMSTEDT CLASS COAST GUARD) 1 BREDSTEDT CLASS (COAST GUARD) 2 SASSNITZ CLASS (COAST GUARD)	
GHANA	2 LURSSON FPB 45 CLASS 2 BALSAM CLASS	APPROVAL FOR 7 PATROL VESSELS REPORTEDLY GIVEN IN 2010 – FROM CHINA ((4) AND SOUTH KOREA (3)
GUYANA	1 RIVER CLASS	
ICELAND	2 AEGIR CLASS 1 THOR (ULSTEIN UT 512L) CLASS	
INDIA	2+2 SARYU CLASS 6 SUKANYA CLASS 6 SDB MK.5 CLASS 10+4 CAR NICOBAR CLASS 2 + 6 SANKALP CLASS (COAST GUARD) 2+1 SAMUDRA CLASS (COAST GUARD) 4 SAMAR CLASS (COAST GUARD) 6 VIKRAM CLASS (COAST GUARD) 3 VISHWAST CLASS (COAST GUARD) 3 + 9 RANI ABBAKKA CLASS (COAST GUARD) 8 PRIYADARSHINI CLASS (COAST GUARD) 6 TARA BAI CLASS (COAST GUARD) 7 SAROJINI NAIDU CLASS (COAST GUARD) 0 + 8 45 METRE PATROL BOATS (COAST GUARD)	FIRST COMMISSIONED IN JANUARY 2013. LAST 4 ORDERED IN 2012 RFI FOR FURTHER 6 ISSUED IN 2010. FIRST DELIVERY IN 2015. COMMISSION 2012 - SIMILAR TO CAR NICOBAR CLASS. FIRST DELIVERY WAS DUE IN MID-2013

OPV FLEET SUMMARIES & FUTURE PLANS (CONT)

COUNTRY	CURRENT OPVs	FUTURE PLANS
INDIA (CONT)	0 + 20 AADESH CLASS PATROL SHIPS (COAST GUARD)	COMMISSION FROM 2013-2017
INDONESIA	4 KAKAP CLASS 4 SINGA CLASS 2 DISASTER RESPONSE SHIPS (COAST GUARD) 2 BISMA CLASS (POLICE) 5 NS-395 CLASS (POLICE)	NEW PATROL CRAFT ARE REPORTEDLY UNDER CONSTRUCTION
IRAQ	4 FATEH CLASS 2 AL BASRA CLASS	DELIVERED 2009-2010
IRELAND	0+2 MODIFIED ROISIN CLASS 1 EITHNE CLASS 2 ROISIN CLASS 3 P21 CLASS 2 P41 PEACOCK CLASS	DELIVERY 2014-2015. OPTION ON ONE MORE LIKELY
ITALY	6 COMMANDANTE CLASS 4 CASSIOPEA CLASS 1 GREGORETTI CLASS (COAST GUARD) 1+1 LUIGI DATTILO CLASS (COAST GUARD)	FIRST SHIP LAUNCHED 2012
JAPAN	1 + 1 SHIKISHIMA CLASS (COAST GUARD) 10 SOYA CLASS (COAST GUARD) 1 IZU CLASS (COAST GUARD) 1 MIURA CLASS (COAST GUARD) 1 KOJIMA CLASS (COAST GUARD) 1 NOJIMA CLASS (COAST GUARD)	SECOND SHIP WAS DUE TO COMMISSION IN 2013

JAPAN (CONT)	10 SHIRETOKO CLASS (COAST GUARD) 3 HIDA CLASS (COAST GUARD) 3 ASO CLASS (COAST GUARD) 9 HATERUMA CLASS (COAST GUARD) 2 KUNIGAMI CLASS (COAST GUARD) 13 TESHIO CLASS (COAST GUARD) 2 TAKATORI CLASS (COAST GUARD) 4 AMAMI CLASS (COAST GUARD) 3 TSURUUGI CLASS (COAST GUARD) 21 TOKARA CLASS (COAST GUARD) 2 MIZUHO CLASS (COAST GUARD) 0+6 1,200 TON CLASS (COAST GUARD)	COMMISSION 2014-2016
KAZAKHSTAN	3 KAZAKHSTAN CLASS	COMMISSIONED 2012-2013
KENYA	1 HARAMBEE CLASS 2 SHUPAVU CLASS 1 PATROL SHIP	TRANSFERRED FROM FRANCE IN 2011
KOREA (SOUTH)	3 MAZINGER CLASS (COAST GUARD) 6 430 TON CLASS (COAST GUARD) 1 SAMBONGHO CLASS (COAST GUARD) 1 DAEWOO TYPE (COAST GUARD) 4 BUKHANSAN CLASS (COAST GUARD)	6 NEW OPVs TO BE ACQUIRED BY MARITIME POLICE
LEBANON	1+ (2) OPV	DELIVERED NOVEMBER 2012 2 MORE MAY BE ORDERED

OPV FLEET SUMMARIES & FUTURE PLANS (CONT)

COUNTRY	CURRENT OPVs	FUTURE PLANS
LATVIA	1 VALPAS CLASS (COAST GUARD)	
LITHUANIA	3 FLYVEFISKEN CLASS	
MALAYSIA	2 LANGKAWI CLASS (COASTGUARD)	
MALDIVES	1 SDB MK5 CLASS (COAST GUARD)	
MALTA	1 DICIOTTI CLASS	
MAURITANIA	1 ABOU BEKR BEN AMER CLASS 1 LARGE PATROL CRAFT 1 ARGUIN CLASS	
MEXICO	4 HOLZINGER CLASS 3 SIERRA CLASS 2 DURANGO CLASS 2 DURANGO 'MOD' CLASS 6 URIBE CLASS 4 + (2) OAXACA CLASS 2 + (4) DEMOCRATA CLASS	FURTHER 2 SHIPS EXPECTED FURTHER UNITS SUBJECT TO FUNDING
MOROCCO	4 OSPREY MK.II CLASS 6 CORMORAN CLASS 5 RAIS BARGACH CLASS 1 PATROL VESSEL 1 BIN AN ZARAN CLASS	COMMISSIONED 2011 – FURTHER SHIPS PROJECTED (3?)
MYANMAR	2 OSPREY CLASS	
NAMIBIA	1 ELEPHANT CLASS 1 GRAJAU CLASS 1 PATROL SHIP (ORYX)	

NAMIBIA (CONT)	1 OSPREY FV 710 CLASS (GOVERNMENT MARITIME FORCES) 2 PATROL SHIPS (GOVERNMENT MARITIME FORCES)	
NETHERLANDS	4 HOLLAND CLASS	FINAL 2 VESSELS COMMISSIONED IN 2013
NEW ZEALAND	2 OTAGO CLASS 4 LAKE CLASS	PROJECT PROTECTOR – DELIVERED IN 2006- 2007, COMMISSIONED IN 2010
NIGERIA	1+1 P-18N OPVs 4 BALSAM CLASS	ACQUIRED FROM CHINA. PLAN TO ACQUIRE 10 MORE OPVs BY 2020.
NORWAY	1 ARCTIC CLASS (COAST GUARD) 3 NORDKAPP CLASS (COAST GUARD) 5 NORNEN CLASS (COAST GUARD) 1 PATROL VESSEL (COAST GUARD) 2 REINE CLASS	15 YEAR RENTAL – ONE TRANSFERRED TO COAST GUARD 1/1/2013
OMAN	3 AL BUSHRA CLASS 2 PATROL AND RESCUE SHIPS	
PAKISTAN	4 BARKAT CLASS (MARITIME SECURITY AGENCY)	
PANAMA	2 DICIOTTI CLASS 1 BALSAM CLASS	REPORTEDLY DONATED BY ITALIAN COAST GUARD
PHILIPPINES	2 AGUINALDO CLASS 0+1 82 METRE OPV 4 SAN JUAN CLASS (COAST GUARD)	PLANS FOR 2 OPVs IN 2012-2016 MODERNISATION PLAN ORDERED FROM FRANCE IN OCTOBER 2012
POLAND	0+1 SLAZAK CLASS	
PORTUGAL	2 VIANA DO CASTELO CLASS 3 CACINE CLASS	PLANS FOR 4 MORE CANCELLED. 5-10 OPV/CPV REQUIRED

OPV FLEET SUMMARIES & FUTURE PLANS (CONT)

COUNTRY	CURRENT OPVs	FUTURE PLANS
QATAR	0+2 46 METRE VESSELS	ON ORDER FROM TURKEY – OPVs?
RUMANIA	1 DAMEN OPV 900 (BORDER POLICE) 3 PATROL VESSELS	
RUSSIA	4 KOMANDOR CLASS (BORDER GUARD) 9 ALPINIST CLASS (BORDER GUARD) 18 SORUM CLASS (BORDER GUARD) 1 SPRUT CLASS (BORDER GUARD) 16 PROJECT 1496/1496M CLASS (BORDER GUARD) 3+1 (21) RUBIN CLASS (BORDER GUARD) 2 MODIFIED OKEAN CLASS (BORDER GUARD) 0+1 PROJECT 22100 PATROL SHIP (BORDER GUARD) 1+1 PROJECT 22120 CLASS PATROL SHIP	TOTAL OF 25 PLANNED BY 2020 COMMISSIONS 2015 ONE COMMISSIONED 2010, SECOND COMMISSIONS 2014
SENEGAL	1 FOUTA CLASS 2 POPENGUINE CLASS 1 NJAMBUUR CLASS	
SEYCHELLES	1 TOPAZ CLASS	
SOUTH AFRICA	1 OFFSHORE PATROL SHIP 3 OFFSHORE PATROL VESSELS	3-4 OPVs PLANNED - PROJECT BIRO
SPAIN	4 DESCUBIERTA CLASS 4 SERVIOLA CLASS 3 ALBORAN CLASS 4 METEORO CLASS	BAM PROGRAMME – SECOND BUY OF 3 MORE 'ON ICE' DUE TO BUDGET CUTS

SPAIN (CONT)	4 METEORO CLASS 4 PATROL SHIPS (GOVERNMENT MARITIME FORCES)	BAM PROGRAMME – SECOND BUY OF 3 MORE 'ON ICE' DUE TO BUDGET CUTS
SRI LANKA	0+(2) SANKALP CLASS 1 SUKANYA CLASS 1 RELIANCE CLASS 1 JAYASAGARA CLASS 2 VIKRAM CLASS	CONTRACT EXPECTED
SWEDEN	3 KBV 001 CLASS (COAST GUARD) 1 KBV 181 CLASS (COAST GUARD) 2 KBV 201 CLASS (COAST GUARD) 3 KBV 288 CLASS (COAST GUARD)	
TAIWAN	2 HO HSING CLASS (COAST GUARD) 7 OPVs (COAST GUARD) 3+1 OPV (COAST GUARD) 8 OPCs (COAST GUARD) 0+1 CG128 CLASS (COAST GUARD) 1 TEH HSING CLASS (COAST GUARD)	LAST BEGAN CONSTRUCTION IN 2013 WAS EXPECTED TO BE LAUNCHED IN 2013
THAILAND	1 KRABI CLASS 3 HUA HIN CLASS 2 PATTANI CLASS 1 VOSPER THORNECROFT CLASS (POLICE) 2 HAMELN TYPE (POLICE)	UP TO 5 MORE POSSIBLE SUBJECT TO FUNDING
TRINIDAD AND TOBAGO	1 ISLAND CLASS (COAST GUARD) 2 CHACACHACARE CLASS (COAST GUARD)	
TUNISIA	3 BIZERTE CLASS 6 KONDOR 1 CLASS (NATIONAL GUARD)	

OPV FLEET SUMMARIES & FUTURE PLANS (CONT)

COUNTRY	CURRENT OPVs	FUTURE PLANS
TURKEY	1 TRABZON CLASS 6 VEGESACK CLASS 2+2 DOST CLASS (COAST GUARD)	NEW PATROL CRAFT REQUIRED FIRST TWO COMMISSIONED IN 2013. LAST TWO COMMISSION 2015 RFP FOR 8 OPVS TO SUPPLEMENT DOST CLASS WAS EXPECTED IN 2013
U.K.	3 RIVER CLASS 1 MODIFIED RIVER CLASS 2 JURA CLASS (SFPA) 1 MINNA CLASS (SFPA)	3 MULTI-MISSION OPVs PLANNED
U.S.A.	4+4 LEGEND CLASS (COAST GUARD) 8 HAMILTON AND HERO CLASSES (COAST GUARD) 13 FAMOUS CUTTER CLASS (COAST GUARD) 14 RELIANCE CLASS (COAST GUARD) 4+4 (16) SENTINEL CLASS (COAST GUARD) 1 EDENTON CLASS (COAST GUARD)	TO REPLACE HAMILTON CLASS – NEXT THREE COMMISSION 2015, 2016 and 2018 FOR REPLACEMENT BY OPC FOR REPLACEMENT BY OPC FAST RESPONSE CUTTER – FIRST FOUR COMMISSIONED 2012 (3) AND 2013 (1) CURRENT PROGRAMME FOR 34 UNITS, BUT 58 ULTIMATELY REQUIRED OFFSHORE PATROL CUTTER (OPC) – 25 REQUIRED
URUGUAY	1 WANGEROOGE CLASS	PLANS TO ACQUIRE 2-3 OPVS
VENEZUELA	4 GUAUIQUERI CLASS 4 GUAICAMACUTO CLASS (COAST GUARD) 0+6 STAN PATROL 5009	LAST COMMISSIONS IN 2015

VIETNAM	0+4 DAMEN 9014 CLASS 4 TT400TP CLASS	COMMISSION 2013 (1) – 2014 (3)
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UK Royal Navy Fishery Protection Patrol Vessel HMS Severn is pictured at speed during a naval exercise



Photo: LA(phot) Kyle Heiler/MOD

OPV FLEETS BY REGION (80 COUNTRIES)

Note: Figures after plus sign (+) are on order

S.AMERICA (13)	AFRICA (15)	EUROPE (23)	M.EAST (6)	ASIA (21)	N.AMERICA (2)
ARGENTINA (10)	ANGOLA (5)	DENMARK (2)	IRAQ (6)	AUSTRALIA (4+7)	CANADA (4)
BRAZIL (22+3)	CAMEROON (2)	ESTONIA (2)	LEBANON (1)	AZERBAIJAN (2)	USA (44+8)
CHILE (2+1)	CAPE VERDE (2)	FAROE (2)	MOROCCO (17)	BANGLADESH (10+4)	
COLOMBIA (4+1)	CONGO (4)	FINLAND (6+1)	OMAN (5)	BRIT IND (1)	
DOM.REP (2)	COTE D'IVOIRE (1+3)	FRANCE (20)	QATAR (0+2?)	BRUNEI (3)	
ECUADOR (3)	EQUATORIAL GUINEA (4)	GEORGIA (1)	TUNISIA (9)	CHINA (8)	
FALKLANDS (1)	GABON (2)	GERMANY (6)		INDIA (65+50)	
GUYANA (1)	GHANA (4+7)	ICELAND (3)		INDONESIA (17)	
MEXICO (23)	KENYA (4)	IRELAND (8+2)		JAPAN (87+7)	
PANAMA (3)	MAURITIANA (3)	ITALY (12+1)		KAZAKHSTAN (3)	
PERU (0+5)	NAMIBIA (6)	LATVIA (1)		KOREA SOUTH (15+5)	
TRINIDAD & TOBAGO (3)	NIGERIA (5+1)	LITHUANIA (3)		MALAYSIA (2)	
URUGUAY (1)	SENEGAL (4)	MALTA (1)		MALDIVES (1)	
VENEZUELA (8+6)	SEYCHELLES (1)	NETHERLANDS (4)		MYANMAR (2)	
	S.AFRICA (4)	NORWAY (12)		N.Z. (6)	
		POLAND (0+1)		PAKISTAN (4)	
		PORTUGAL (5)		PHILIPPINES (6+1)	
		RUMANIA (4)		SRI LANKA (5)	
		RUSSIA (54+3)		TAIWAN (21+2)	
		SPAIN (19)		THAILAND (9)	
		SWEDEN (9)		VIETNAM (4+4)	
		TURKEY (9+2)			
		U.K.(7)			
(83+16)	(51+11)	(190+10)	(38+2?)	(275+80)	(48+8)
(12%+13%)	(7%+9%)	(28%+8%)	(6%+0%)	(40%+67%)	(7%+7%)
				JAPAN, INDIA, S.KOREA (167+62)	
				(25%+52%)	

OVERALL TOTAL 681 + 125 ON ORDER

Photo: New Zealand Defence Force



Fleet Officer of the Watch Manoeuvres in the Hauraki Gulf, involving patrol ships from the New Zealand Defence Forces

OFFSHORE PATROL VESSELS 2014

Defence IQ's [International Offshore Patrol Vessels conference](#), now in its ninth year, is the most well attended patrol vessel event in the world, providing you with the opportunity to meet face-to-face with military and industry stakeholders from the Middle East, Latin America, Africa, Asia, Europe and North America.

This year, we are holding the event in Dublin **in association with the Irish Defence Forces (IDF)**, represented by the Flag Officer Commanding Commodore Hugh Tully of the Irish Naval Service and Rear Admiral Mark Mellet, Deputy Chief of Staff, IDF.

Our proven annual event attracts the most senior navy and coast guard chiefs from around the world to discuss the challenges of maritime policing including piracy, smuggling, search and rescue, pollution monitoring, fisheries protection and EEZ patrol. Through assessing platforms and auxiliary technologies, military delegates benefit from a clear understanding of the best path to balancing capability and affordability in choosing platform or a piece of technology that delivers optimum mission effectiveness tailored to their own unique needs.

With 90% of our expert speaker panel new to this established event, the 2014 programme promises to be our most exciting and thought-provoking to date.

In summary, International Offshore Patrol Vessels conference will offer you the opportunity to:

- **Network** with over 100 international patrol vessel builders and end-users - the largest and most diverse global gathering of the community in the world
- **Engage** with our most prestigious speaker panel to date, 90% of whom have never presented at this event before
- **Discuss** lessons learnt from a vast array of mission sets, ranging from law enforcement to environmental protection operations, which will help shape the future requirements of emerging and mature naval forces
- **Benefit** from detailed discussions of platform and systems modernisation plans from every continent
- **Explore** the latest technological developments in modularity, systems arrangement, propulsion and ship-based aerial and underwater platforms
- We hope you can join us in Dublin later this year for a truly unforgettable event.

FIND OUT MORE

www.OffshorePatrolVessels.com

Email
enquire@defenceiq.com

Telephone
+44 (0) 20 7368 9737

"Defence IQPC OPV Conferences provides a veritable platform and ample opportunity for intellectual exchange and networking by leaders of world navies, maritime operators and other stakeholders with the ultimate objective of developing requisite architecture for enhanced security of the global commons."

- Vice Admiral OS Ibrahim, Chief of the Naval Staff, Nigerian Navy



"I look forward to sharing in discussions, and exchanging ideas with the diverse range of other navies and coast guards, on their latest OPV developments and performance at the 6th Annual Offshore Patrol Vessels conference."

- Commander Bessa Pacheco, Plans & Policy Division, Portuguese Navy



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