

ADBR's 2009 'DCP at a Glance' - Sea 1A



Table A: CONSOLIDATED 2009 DEFENCE WHITE PAPER & DEFENCE CAPABILITY PLAN
Schedule of Future 'Force 2030' Military Capability Enhancement Acquisition Initiatives & Projects

| Project | Year of First DCP | Number | New Capability, Likely Base | Legacy Platform/Weapon | 2009 Defence White Paper Proposed New Capability Mix and/or Declared 2009 DCP Project/Phase Scope | Time Band for | 2009 DCP | Potential | | | |
|--------------|----------------------------|---|-----------------------------|------------------------|---|-----------------------------------|---|---|-----------------|-----------------|-----|
| | | | | | | 2009 DCP | Second Pass | for Single | | | |
| Number/Phase | New Capability Description | Listing | ACAT | of Units | Platform and/or Weapon | and/or Policy Decision | 2009 DCP | Approval (Year of Decision) | 2nd Pass | Approval | |
| 1 | Sea 1000/1A | Future Submarine | 2009 | I | n/a | New design - up to 4,000t | 'Collins'-class (2,950t) | Initial Definition Phase - to identify top level requirements for future vessels by December 2009 | 2009 | 2009/10-2010/11 | |
| 2 | Sea 1000/1B | " " " " " | 2009 | I | n/a | " " " " " " | " " " " " " | Preliminary Design - longer range; lower signature; SRTC; FMPC; UUV; ASHW; ASW; SSS (integrated cruise missile); MDML0; UWIC; SSF; SABDA | 2010 | 2011/12-2012/13 | |
| 3 | Sea 1000/1C | " " " " " | 2009 | I | n/a | " " " " " " | " " " " " " | Detailed Design | 2011 | 2013/14-2015/16 | |
| 4 | Sea 1000/2 | " " " " " | DWP | I | 12 | " " " " " " | " " " " " " | Construction from 2016 (2009 DCP Estimate) | 2011/12 | 2014-2015 | |
| 5 | Sea 1000/X | Maritime Based Land Attack Cruise Missile | DWP | TBD | TBD | 'Tomahawk' Block IV+MTI | n/a | Maritime-based land attack missiles for 12 x Future Submarines. Missiles will be integral to design of new submarines | 2013+ | TBC | |
| 6 | Sea 1100/4 | Long Range Subsurface Detection | 2001 | III | 8 | 'Anzac'-class | 1988-1991 PDS, 1996-2003 Evaluation (Phases 1-3) | Employ a towed array sonar from the 'Anzac'-class FFHs with a high probability of deterring/detecting underwater threats at tactically useful ranges | 2013+ | TBC | |
| 7 | Sea 1180/1 | Patrol Boat, MHC, HS Replacement Project | 2009 | I | 20 | New design - 2,000t multirole | 'Armidale'(14)-;'Leeuwin'(2)-;'Huron'(6)-;'Paluma'(4)-class | Modular UUS for MCM & hydrography; Littoral warfighting: LRCT & CPO; SSF; Potential to embark helicopter & UAV capable; SDWS, basic networking capabilities | 2012/13-2014/15 | 2018/19-2020/21 | |
| 8 | Sea 1350/1 | Navy Surface and Subsurface Ranges | 2009 | IV | TBD | LSMTF, SWTR, PTR | Sea 1418/1 (DCP'01), 3 RMIMR in WA, Darwin, Sydney | To provide maritime ranges capable of acoustic, magnetic, seismic & electric field measurement to assess performance of platforms, systems & equipment | 2010/11-2011/12 | 2012/13-2014/15 | |
| 9 | Sea 1351/1 | Replacement East Coast Tugs | 2009 | IV | n/a | Service contract | Government requirement | Provision of tug services, operated by RAN personnel, to support the visits of nuclear powered warships in designated Australian ports | 2011/12-2012/13 | 2011/12-2012/13 | Yes |
| 10 | Sea 1352/1 | ESSM Upgrade & Inventory Replenishment | 2009 | III | TBD | ESSM-ER (Extended Range) | Enhanced 'Sea Sparrow' Missile, Sea 1428 (DCP'01) | To provide upgrades to the ESSM to ensure the surface combatant force can defend against evolving anti-ship cruise missile threats; also to maintain inventory | 2012/13-2014/15 | 2012/13-2014/15 | Yes |
| 11 | Sea 1354/1 | Sub Escape Rescue & Abandonment Systems | 2009 | III | 1 | New system | LR5 lease, RV 'Remora' | New SERAS to support (including the necessary on-scene treatment of personnel from a disabled vessel) the 'Collins'-class and Future Submarine | 2010/11-2011/12 | 2012/13-2014/15 | |
| 12 | Sea 1357/1 | CIWS Phalanx Block Upgrade | 2009 | IV | TBD | Ship alt FFG7-360 kits | Pre-2000 'Phalanx' CIWS pool acquisition | Enhanced configuration to improve ship self-defence against ASM, helicopters and small craft threats. SAKs to be purchased under existing FFGSPO FMS case | 2012/13-2014/15 | 2012/13-2014/15 | Yes |
| 13 | Sea 1358/1 | 'Mini Typhoon' for 'Anzac'-class | 2009 | IV | TBD | 'Anzac'-class | Sea 1779/1 rapid acquisition | Mini-'Typhoon' to be installed on entire 'Anzac'-class to provide short-range surface defence against asymmetric threats (includes training systems & ILSP) | 2012/13-2014/15 | 2012/13-2014/15 | Yes |
| 14 | Sea 1397/5A | Nulka Missile Decoy Enhancements | 2009 | III | TBD | Additional 'Nulka' rounds | Sea 1397 (DCP'01) | Procure additional 'Nulka' active missile decoy rounds to align with current stockholding requirements | 2009/10-2010/11 | 2009/10-2010/11 | Yes |
| 15 | Sea 1397/5B | " " " " " " " " " " " | 2009 | III | TBD | 'Canberra'-class 27,500t ALHD | n/a | Facilitate installation of 'Nulka' capability into 'Canberra'-class platforms, to address sustainment issues with FC&L subsystems & enhance NMD system's HMI | 2011/12-2012/13 | 2013/14-2015/16 | |
| 16 | Sea 1408/2 | Torpedo Self-defence | 2009 | IV | TBD | Complete acquisition via FMS | AN/SLQ-25A NIXIE, 'Sea Defender' (FFG), 'Lescut' decoy | Complete provision of (heavy weight) torpedo self-defence systems across the Surface Combatant, Amphibious and Afloat Support forces | 2011/12-2012/13 | 2011/12-2012/13 | Yes |
| 17 | Sea 1430/5 | Digital Hydro Display System Upgrade | 2009 | III | TBD | New/updated system | Digital Hydrographic Database - Sea 1430/1 (DCP'01) | Deliver an updated digital hydrographic data management and chart production capability to the AHO to process classified, unclassified and civilian information | 2012/13-2014/15 | 2014/15-2016/17 | |
| 18 | Sea 1439/3.1 | 'Collins' Obsolescence Management | 2001 | III | 6 | Replacement system | ISCMMMS | Replace the existing integrated ship control monitoring & management system for the 'Collins'-class submarines | 2010/11-2011/12 | 2011/12-2012/13 | |
| 19 | Sea 1439/5B.2 | 'Collins' Continuous Improvement Program | 2001 | III | 6 | Improved EW & external comms | 'Collins'-class | Improve EW and external comms systems fitted to 'Collins' subs through acquisition of a high data rate SATCOM capability & replacement of existing comms centre | Complete | 2011/12-2012/13 | |
| 20 | Sea 1439/6 | 'Collins' Sonar Replacement | 2004 | II | 6 | Upgrade sonar & signal processors | Sea 1439/6 Replacement & RCS | Upgrade existing 'Collins'-class sonar system ('Scylla' bow & flank array sonar), including signal processors | 2009/10-2010/11 | 2011/12-2012/13 | |
| 21 | Sea 1442/4 | Maritime Communication Modernisation | 2001 | II | TBD | Complete network expansion | Sea 1287 - NCW roadmap milestone | Enhance and expand the MTWAN into Fleet units not equipped in earlier phases, integrating into it other approved maritime comms projects as well | 2009/10-2010/11 | 2012/13-2014/15 | |
| 22 | Sea 1448/4A | ANZAC ES System Improvements | 2006 | II | 8 | New/upgraded system | CENTAUR ES system | Upgrade or replace the current 'Anzac'-class CENTAUR Electronic Support system to maintain regional ES capability parity | 2009/10-2010/11 | 2011/12-2012/13 | |
| 23 | Sea 1448/4B | ANZAC ASR Replacement | 2006 | III | 8 | New air search radar system | AN/SPS-49 | Replace the AN/SPS-49 radar system with a modern, digital ASR that complements the PAR system delivered under Phase 2 | 2011/12-2012/13 | 2013/14-2015/16 | |
| 24 | Sea 1654/3 | Maritime Operational Support Capability | 2001 | II | 1 | New design - 10,000t | HMAS 'Success' (8,000t) | FSFA, ship-to-ship transfers, at least one helicopter for land forces re-supply | 2016+ | TBC | |
| 25 | Sea 1778/1 | Deployable MCM - Organic MCM | 2006 | III | TBD | New system | 'Huron'-class MHC with 'Double Eagle' Mk 2 MDV | Deployable system of organic MCM components to detect, classify, identify, avoid and neutralise mines. MOTS/COTS system to complement existing MCM force | 2010/11-2011/12 | 2013/14-2015/16 | |
| 26 | Sea 4000/5+ | AF-100 AWD Strike Capability | DWP | TBD | TBD | 'Tomahawk' Block IV+MTI Upgrade | Block III AGM-84D 'Harpoon' | Maritime-based land attack missiles for the AWDs | 2013+ | TBC | |
| 27 | Sea 5000/1 | Future Frigate Optimised for ASW | DWP | TBD | 8 | New design >'Anzac' (ie: 6,000t) | 'Anzac'-class (3,600t) | ASW; ISS; Integrated cruise missile, LRATAS, FSFA, UAV, NCH | 2019+ | TBC | |
| 28 | Sea 5000/2 | Maritime Based Land Attack Cruise Missile | DWP | TBD | TBD | 'Tomahawk' Block IV+MTI Upgrade | Sea 4000/5+ & Sea 1000/X | Maritime-based land attack missiles for 8 x Future Frigates. Missiles will be integral to design of new frigates | 2019+ | TBC | |
| 29 | Sea XXXX-A | Maritime Extended Range Air Defence | DWP | II | TBD | RIM-174A SM-6 Block 1 | Standard Missile 2 (SM-2), SM-1 | Acquire stocks of >200nm SM-6; CEC for NCW Grid; ATAS; potential decision on 4th AWD | 2019+ | TBC | |
| 30 | Sea XXXX-B | Maritime Unmanned Aerial Vehicles | DWP | TBD | TBD | 'ScanEagle', 'FireScout', etc | n/a | Maritime UAV (or mix of UAVs) to operate off AWDs, 'Anzac'-class frigates, Future Frigates and LHDs | 2013+ | TBC | |

NOTE: 1 - References to 2007* indicate new DCP capabilities emerging from the 2006 Defence Capability Update (DCU), and considered for approval prior to the Federal election; * This project was listed as phase 3 in the 2006-16 DCP and had an estimated expenditure of \$450-600m (as a combination of C4I, lethality and survivability).
NOTE: 2 - References to 2014* and 2019* refer to new military capability acquisition projects signalled in the 2009 DCP'09 as most likely to achieve formal listing in either the 2014 or 2019 DCPs.

ADBR DEFENCE ACRONYM INDEX: See Table 'B' attachment or as download from www.adbr.com.au/data/ADBR-E_Prev.htm