

## SSG 60 Onslow [Oberon Class] - 1993

### Australia

Type: SSG - Guided Missile Attack Submarine

Max Depth: -200 m

Max Speed: 17 kt

Commissioned: 1993

Decommissioned: 1999

Length: 90.0 m

Beam: 8.1 m

Draft: 5.5 m

Crew: 69

Displacement: 2030 t

Displacement Full: 2410 t

Propulsion: 2x Electric Motors



#### Sensors / EW:

- UA-4 - ESM, RWR, Radar Warning Receiver, Max range: 222.2 km
- CSU 3-41 - (Oberon) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 9.3 km
- MicroPUFFS - (Oberon, Australia) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Ranging Flank Array Search & Track, Max range: 14.8 km
- Type 1006(1) [KH 19/9A] - (Submarines) Radar, Radar, Surface Search & Navigation, Max range: 118.5 km
- Kariwara - (Oberon) TASS, Passive-Only Towed Array Sonar System, TASS, Passive-Only Thin Line Towed Array Sonar System, Max range: 46.3 km
- PIPRS - (Australia, Oberon) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 66.7 km
- Generic Submarine Periscope, Optical - (1980s, 1.5x/8x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km
- Generic Submarine Periscope, LLTV - (1980s/1990s, Gen 2, 1.5x/4x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 41.7 km

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#### Weapons / Loadouts:

- Generic Acoustic Decoy - (1980s, Noisemaker / Bubble Screen) Decoy (Expendable). Subsurface Max: 1.9 km.
- UGM-84D Harpoon IC - (1986) Guided Weapon. Surface Max: 138.9 km.
- Mk48 Mod 3 - (1978) Torpedo. Surface Max: 11.1 km. Subsurface Max: 11.1 km.

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OVERVIEW: The OBERON is a diesel-powered patrol submarine (SSK).

DETAILS: The OBERON class were heavily based on the earlier PORPOISE-class SSK, with the exception of their using a different steel and glass fibre laminate in the hull to increase strength. They are exceptionally quiet underwater, in part due to careful attention to detail in the mounting of machinery, and advances made in propeller design to prevent

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cavitation. Their quietness, combined with a very effective long-range sonar suite, made them a very capable in their role patrolling chokepoints to detect transiting Soviet submarines.

### **Specifications:**

Displacement: 2,030 (surfaced); 2,410 tons submerged.

Speed: 12 knts (surfaced) 17 knts (submerged)

Engineering: 2 diesel engines; 2 -3-bladed propeller

Diving Depth: 800-900 feet

Range: 9,000 nm (surfaced)

Complement: 62

Hulls built: 6 (Australian).

Period of Service: 1967-2000

NOTES: Units in class: OXLEY (57); OTWAY (59); ONSLOW (60); ORION (61); OTAMA (62); OVENS (70).

SOURCES: Moore, John Evelyn. Jane's Fighting Ships 1987-88. London: Jane's Pub, 1987, pg. 21 ; Oberon-class submarine - Wikipedia, the free encyclopedia. (n.d.). Retrieved May 4, 2015, from [http://en.wikipedia.org/wiki/Oberon-class\\_submarine](http://en.wikipedia.org/wiki/Oberon-class_submarine) ; ; <http://arl.g3w1.com/Subs/index.htm>