

## S 613 L Indomptable [Le Redoutable Class] - 1988 2x, M4 Upgrade

### France

Type: SSBN - Nuclear Powered Ballistic

Missile Submarine

Max Depth: -250 m

Max Speed: 25 kt

Commissioned: 1988

Decommissioned: 1991

Length: 128.0 m

Beam: 10.6 m

Draft: 10.0 m

Crew: 145

Displacement: 6500 t

Displacement Full: 8000 t

Propulsion: 1x Nuclear Reactor



#### Sensors / EW:

- DUUX 2A - (Type 2005) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Ranging Flank Array Search & Track, Max range: 27.8 km
- DSUV 61A - (1979) TASS, Passive-Only Towed Array Sonar System, TASS, Passive-Only Towed Array Sonar System, Max range: 74.1 km
- DSUV 23 - (1979) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Search & Track, Max range: 74.1 km
- ARUR 10 [DR 2000U] - (ARUD 10) ESM, ELINT, Max range: 926 km
- DRUA 33C Calypso III [TRS 3100] - (ARUD 10) Radar, Radar, Target Indicator, 2D Surface-to-Air & Surface-to-Surface, Max range: 37 km
- DUUG 6 [M5] - (ARUD 10) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 66.7 km
- Generic Submarine Periscope, LLTV - (1980s/1990s, Gen 2, 1.5x/4x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 41.7 km
- Generic Submarine Periscope, Optical - (1980s, 1.5x/8x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km

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#### Weapons / Loadouts:

- F17 Mod 1 - (1973, 550mm, Submarine Only, Offensive) Torpedo. Surface Max: 7.4 km. Subsurface Max: 7.4 km.
- Generic Acoustic Decoy - (1980s, Noisemaker / Bubble Screen) Decoy (Expendable). Subsurface Max: 1.9 km.
- M4A/TN70 [6 MIRV x 100kT Nuclear] - (1986-2001) Guided Weapon. Land Max: 4074.4 km.