

Rocket Delivery Craft (RDC)

Deep-strike, sea-to-shore weapon system



The Rocket Delivery Craft (RDC) is a sea-to-shore weapon system that delivers deep-strike capability against defended targets outside the range of conventional weapons. The 16-meter delivery platform for EXTRA rockets operates from littoral waters beyond enemy weapon range and provides stand-off fight capability. The RDC increases naval independence and enhances naval value in joint multi-branch military operations.

Operational capabilities: Strike range in Sea State 3 is 125 nautical miles, with a speed of 33 knots (37 knots in calm water). The craft is fully operational in Sea State 3, with limited operation in Sea State 4, and survivable in Sea State 5. The rocket delivery craft propulsion system consists of twin diesel engines connected to fixed pitch propellers on inclined shafts for maximum efficiency. The RDC is capable of loitering for up to 12 hours before deploying its payload and returning to base.

Crew environment: The RDC is fitted with three shock-mitigating seats for the essential crew, and two bulkhead mounted fold down shock mitigating seats for additional personnel.

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Land

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Key Features

Craft:

- Hull type: Hard-chine monohull
- LOA: 16m, BOA: 5m
- Height: 4.5m - Draft: 1.5m
- Full - load displacement: 30.5 MT
- Power: 2 x Caterpillar C18 ACERT diesel engines (847 bkW each @ 2300 rpm)
- Emissions: EPA Tier III / IMO II
- Endurance: Up to 12 hours @ 33 knots in Sea State 3
- Crew: 3 essential, with option for 2 additional personnel
- Fuel capacity: 4,370 liters (includes 5% margin)
- Armament: 6 EXTRA rockets (150km range)

EXTRA rocket:

- Range: 150km
- Precision: 10m CEP
- Payload: Up to 120kg
- Warhead: Unitary, multi-purpose
- Diameter: 306mm
- Length: 4.4m
- Guidance: GPS/INS



Key Benefits

- Sea-to-shore weapon system
- Deep-strike capability beyond enemy weapon range
- Enhances naval independence
- Enhances naval value in joint multi-branch operations



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