MISSILE SYSTEM

Sub-launched MICA system against helicopters and aircraft

Missions

Sea proven sub-launched MICA system enhances submarines’ invulnerability with supersonic fire-and-forget capability. This fully integrated system enables to counter the air threats. As a self-defence system, it allows the submarine to execute evasive manoeuvre without any constraint of depth, speed and course.

As an offensive system, it gives an important tactical advantage with long range firing capability.

Effective against helicopters and MPA

Supersonic fire-and-forget missile

Fully integrated within SUBTICS®

Proven missiles and underwater vehicle
A sea-proven launching concept
- MICA is embedded inside the sea-proven underwater vehicle developed for the Exocet SM39 antiship missile,
- MICA is launched while submerged, through any torpedo tube fitted with a positive discharge system,
- the capsule protects the missile against sea water and external pressure throughout its underwater trajectory, and propels it up to the surface before missile ignition while maintaining the optimum attitude.

Integration within the SUBTICS® combat system
- The system’s efficiency relies on the submarine’s ability to designate the target, and to deliver a fire-and-forget weapon allowing the submarine to perform evasive manoeuvres,
- DCNS’ SUBTICS® combat system features a complete suite of sensors enabling the designation and engagement of helicopters even whilst deeply submerged.

Efficiency
- MICA is a supersonic fire-and-forget proven missile in service in the French armed forces and several others,
- when used for submarine air defence purposes, it is equipped with an imaging infrared seeker,
- it can be fired at more than 100 meter depth.

CHARACTERISTICS

<table>
<thead>
<tr>
<th>Guidance</th>
<th>Autonomous self-guidance IIR (Imaging Infrared) seeker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>Up to 20 km</td>
</tr>
<tr>
<td>Length</td>
<td>3.1 m</td>
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<tr>
<td>Weight</td>
<td>112 kg</td>
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