Office of Naval Research:  
*Science and Technology Initiatives for Tactical Vehicles*  

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The Office of Naval Research
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As Is

**Naval S&T Strategy**
- 9 Focus Areas
- CNR Priorities
- NNRS (National Naval Responsibilities)
- 4-Box
- 6.1 – 6.3

To Be
Science and Technology Support to the Tactical Wheeled Vehicle (TWV) Fleet

Accomplishments and Opportunities
Problem:

- The MTVR consumes approximately 50% of the fuel used by the Marine Corps ground vehicle fleet.
Ground Vehicle Technology Areas of Interest

Autonomy

Mobility

Survivability

Logistics
Ground Autonomy Investments

Off-Road Ground Autonomy

Amphibious Autonomous Swarms

Semi-Autonomous Fires

Distribution Statement A: Approved for public release
Ground Vehicle Technology
Future Opportunity

Potential New Research Opportunity:

• Marine Corps replacement for the Light Armored Vehicle (LAV)

Current LAV-25

Illustrative of Future ARV?

Stayed tuned for future announcements

© Concept Art from Bandai Namco
Navy and Marine Corps S&T Strategic Plans located at:

ONR Public Website:
https://www.onr.navy.mil/

ONR Public Website, Broad Agency Announcements:

- 2017 Long-Range Broad Agency Announcement for Navy and Marine Corps Science and Technology is BAA 17-001.
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