

PRIORITIES

Framework Priority	Objectives	Research Sub Topics	*Future Force Attributes
Augmented Warfighter	<ul style="list-style-type: none"> Enhance decision-making speed and quality Improve human-machine interfaces and teaming Mitigate tactical-level risk to our people and command, control and communications degradation 	Algorithmic phenomenology; autonomy; artificial intelligence; machine reasoning; cognitive science; decision-making; human systems design; human-machine interaction; and training and education	Adaptive, Agile, Autonomous, Connected, Distributable, Interoperable, Lethal, Trained, Fast
Integrated & Distributed Forces	<ul style="list-style-type: none"> Enhance dynamic, synchronized actions across forces Support collaboration spanning geography, domains, platforms and joint partners; leverage satellite and Precision Navigation and Timing advancements Increase flexibility and reach of the naval force through incorporation of autonomous and disaggregate systems 	Autonomous platforms; communications and networks; networked sensors and weapons; positioning, navigation and timing; and coordinated spectrum and signature management	Adaptive, Agile, Autonomous, Connected, Distributable, Interoperable, Scalable, Fast
Operational Endurance	<ul style="list-style-type: none"> Enable maneuverability, efficiency, and resiliency for sustained operations by warfighters, systems and platforms (regardless of the threat or operating environment) Improve platform-level energy storage/efficiency for propulsion and weapons systems Develop wide-area and force wide disinformation deception and decoys 	Power generation, storage, energy efficiency; survivability, endurance and availability; security/protection; platform affordability; high-performance materials; biomedical; and logistics and sustainment	Adaptive, Agile, Defensible, Distributable, Efficient, Sustainable
Sensing & Sense-Making	<ul style="list-style-type: none"> Transform vast data into timely knowledge Enable persistent awareness and understanding, and optimized operation (regardless of the threat or operating environment) Integrate artificial intelligence into C4ISR networks scalable to theater wide 	Multi-domain and multi-spectral sensors; digital algorithms and data sciences; quantum information sciences; and modeling, simulation and forecasting of the operational environment	Adaptive, Agile, Autonomous, Connected, Distributable, Interoperable, Scalable, Fast
Scalable Lethality	<ul style="list-style-type: none"> Enable offensive and defensive actions that are multi-domain, integrated, cost-effective, and kinetic and non-kinetic Deliver directed energy and low cost, high probability of kill standoff strike 	Cyber/algorithmic effects; countermeasures and decoys; counter-weapons, threat neutralization and explosive ordnance disposal; targeting sensors; directed energy and electric weapons; energetics; and lower cost, higher performance weapons	Adaptive, Agile, Autonomous, Connected, Defensible, Distributable, Efficient, Fast, Interoperable, Lethal, Scalable, Sustainable

*Future force attributes derived from OPNAV and HQMC assessments