

Navy Cryptologic & Cyber Warfare Community Vision

Leading practitioners of the art and science of Information Warfare
Delivering outcomes across all domains of warfare





UNCLASSIFIED

8 FEB 2019

Team,

To generate our potential as a community, to support the Navy and Nation in the ways we have been asked, we've got to stand on some common ground and be pointed in the same general direction. We must have a notion of who we are, who we have been, who we are striving to be, and how we fit into – and lead – the larger Navy and Joint Force. We will always have healthy debate. I recognize that any vision we produce, even collaboratively will not address everything to everyone's desired level of satisfaction. That is why we continue to communicate. Our venture onto Slack[®] has mostly been about getting us to communicate. I've watched, thought about, and at times weighed in on various threads; mostly I've tried to just listen to the trends. The vision you are about to read is just a start. Like our community itself, it isn't perfect. We need to be real with ourselves and understand that. While we have accomplished much over our history, we have much to aspire to, and I know we can achieve it. In the spirit of being a learning community, I think that will always be the case. No matter where you serve—lead, act, and innovate with confidence. Drive us forward toward our vision with integrity, professionalism, and ingenuity. May this serve to center us, to focus us, to empower action, but never to constrain our creativity and imagination of the future.

The following words are not mine.
They are yours. We've only
captured what you've expressed. I
think you'll recognize all of it – for
you made it.

With deepest respect,

A handwritten signature in black ink, appearing to read "T. White".

TIMOTHY J. WHITE
VADM USN

UNCLASSIFIED



UNCLASSIFIED

Forward

The Navy is in the distributed maritime operations business—the power projection business. The mobile and non-mobile Cryptologic & Cyber Warfare team, whether on the waterfront, shore, joint, or national, does critical work every day in this domain. To be clear, I see the Cyber Warfare Engineer community—that we are on a path to expand—as inextricably linked with Cryptologic Warfare and Cyber Operations. To be successful we must connect, communicate, and collaborate across our distributed formation. We do not exist alone nor operate in isolation. We are part of a greater community, the Information Warfare Community, and that community is better together; more resilient, robust, ready, and lethal when integrated.

Our vision is intended to be open, clear, and concise. To serve as an aligning narrative for our community. No matter where a single individual member of our community finds themselves in time or space or mission or network, they know with certainty our course and are empowered to move out.

Today, we find ourselves in great power competition. We must win the counter-C5ISR challenge in a battlespace of close, continuous contact against multiple adversaries while facing complicated challenges and unanticipated problems.

We must work with all of the Information Warfare Community to own our data, systems, and networks. We must possess knowledge of adversary capabilities and intent. We must undermine their capabilities and their ability to know ours. Our focus is on defeating their decision-making and their systems. We must fully commit to strengthening the Information Warfare Enterprise.

We must view the network as a warfighting platform—our platform. We must be prepared for the seamless simultaneity of defense and attack, and to hold the enemy's space at risk.

We have always contributed to the Navy and our Nation's security because of our relevance to critical decisions affecting national security through our expertise in SIGINT, Cyber, and EW. That expertise is found in technical depth, and valued in operational relevance. We routinely demonstrate these strengths globally at sea and in support of Navy and Joint Force Commanders, every day. These operations are here today. You are leading them.

We will aim for a future where we use sensors, weapons, systems, and information to generate outcomes—passively and actively in all domains as part of continuous campaigns.

This vision is not static. We must evolve as the entire IW Community evolves in the context of today's strategic competition and the rapidly advancing and changing domains we operate in.

UNCLASSIFIED



UNCLASSIFIED

The Imperative

We are the Navy’s preeminent professionals in Signals Intelligence (SIGINT), Cyberspace Operations (CO), and Electronic Warfare (EW)—these are our disciplines. We principally operate in the domains of cyberspace, the electromagnetic spectrum, and space. Across all disciplines and domains, at our core we are competitors and warfighters—we have an adversarial mindset. Those who oppose our Nation’s principles, values, and interests are growing more capable in these disciplines, and venturing further into and farther afield across these domains. They seek to challenge, to complete, and to hold us at risk. Our skillsets are needed today more than ever. In the present, we must compete in close and continuous contact with potential adversaries. In the future, we may be called upon to defeat our adversaries and triumph in that competition. We cannot fail to be ready. We must sense, defend, and bring striking power in and through cyberspace, space, and the electromagnetic spectrum. We will do this by exceptionalism in our disciplines. Our boundaries are blurry, so be ready to operate seamlessly across them—to integrate with others to achieve outcomes across all domains, not just those we are most comfortable with. Figure 1 illustrates a view of our domains and related factors.

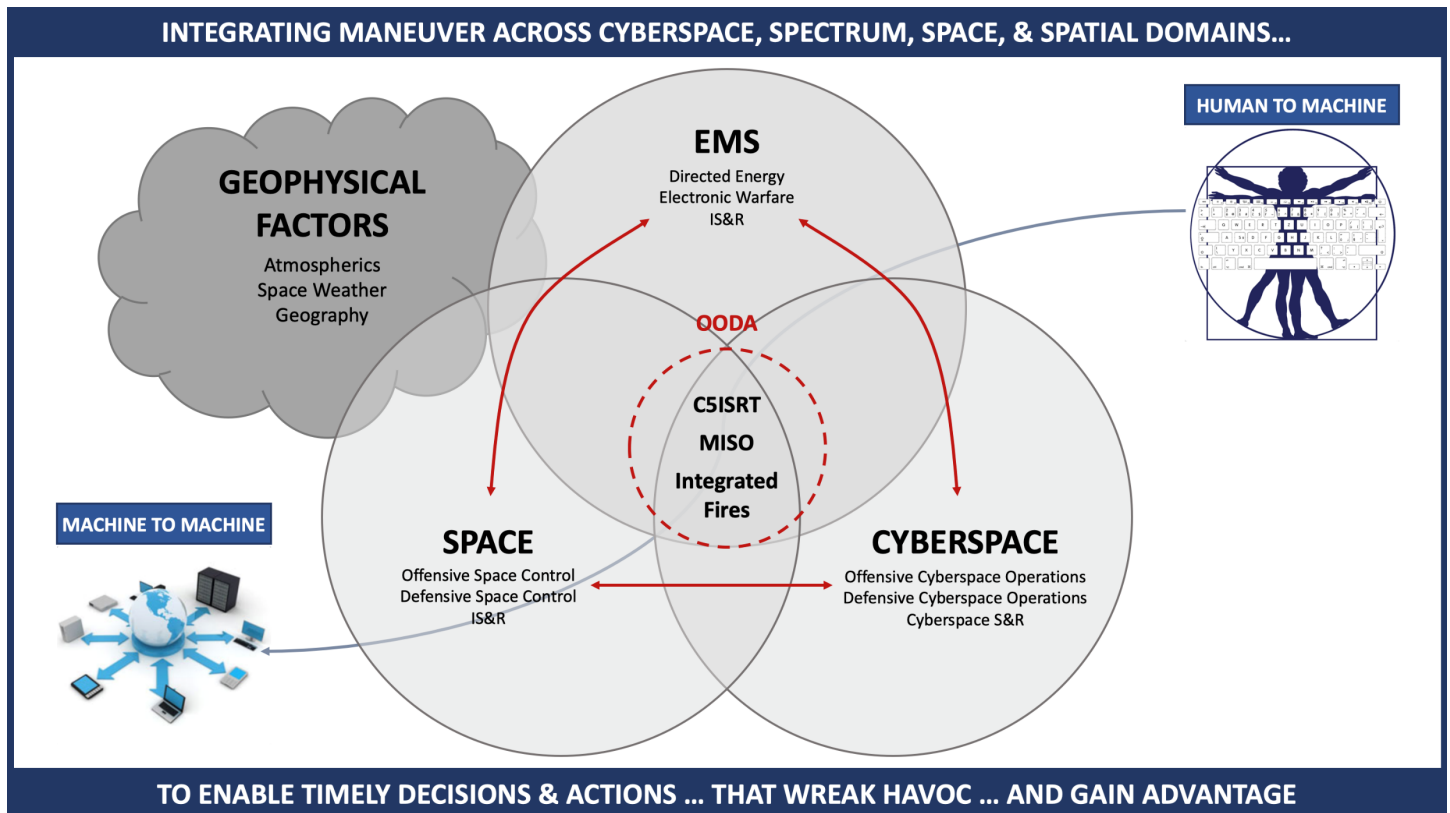


Figure 1: A View of Our Domains

UNCLASSIFIED



UNCLASSIFIED

Our Mission

Deliver competitive outcomes in all domains of warfare through the application of Cyberspace Operations (CO), Signals Intelligence (SIGINT), and Electronic Warfare (EW). To support and defend US interests, operate as a fully integrated part of the Information Warfare Community (IWC) by optimizing combat power through integrating the elements of Assured Command and Control (AC2), Battlespace Awareness, and Integrated Fires. To do this, we must coalesce with all elements of the IWC—intelligence, METOC, communications, cryptology, and cyber warfare engineers. Our community plays a critical role.

Our Vision

Deliver Outcomes. Whether at the tactical, operational, or strategic level, be the expert—deliver relevant outcomes.

Maximize Lethality. For the Navy and the Joint Force.

Maneuver Danger Close. We are in close and continuous contact with our competitors whether in Cyberspace or the Electromagnetic Spectrum—be proficient in our fundamentals, vigilant, and engaged.

Integrate. Fully integrate with and across the Information Warfare Community (IWC), and operate as part of a unified Information Warfare Enterprise (IWE).

Operate Forward. Embrace and master our role at the tactical level of war within the Information Warfare Commander construct.

Create and Control Maneuver Advantage. We are always on the move in a dynamic environment, competing against determined counterparts—innovate and adapt with agility to create advantage at the time and place of our choosing.

Manage Risk. Don't be risk adverse, be risk aware. Responsibly and professionally manage risk while innovating to advance the execution of our disciplines.

Be Bold. Nothing ventured, nothing gained—be bold and creative. Don't wait to be told what to do, seek out hard problems, build support, deliver solutions.

Be Force Multipliers. Enhance the application and range of conventional Navy and Joint firepower forward.

Be Exceptional. Start out by mastering one or more of our disciplines, and then expand your view through our integration across the IWC. Lead with a boundless perspective.

Be Resilient. We are competing today, ready to fight when called upon, capable of facing adversity head-on and bouncing back from it.

Build Relevant Expertise. Never stop growing and learning. Develop the expertise across our talent base that is relevant to our mission now and in the future.

Aggressively Manage Our Talent. Be proactive and collaborative. Listen and find opportunities to grow and retain our talent. Create the opportunities for them to become exceptional.

UNCLASSIFIED