

Wednesday, January 29, 2025

11:40 AM – 12:00 PM

***Buzzwords Meet the Battlespace: How AI/ML, Network Centric Warfare and Contested Logistics Come Together at the Data Level***

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Abstract:

The concept of Network Centric Warfare (NCW) has been pivotal in shaping military strategy since at least the 1990s, certainly following the publication of Joint Vision 2010 by the Joint Chiefs of Staff Washington DC. At its core, NCW transforms data from the edge into actionable information and from there into knowledge with which Commanders at the core can then take action directly or enable action closer to the edge. As we reflect on the journey from JV 2010, Sea Power 21, and other looks to the future that is now our present’s past, it’s important to examine the evolution of NCW and its impact on modern warfare.

In military operations, logistics is not simply a support function; it is a critical pillar that underpins success. As General Omar Bradley famously stated, “Amateurs talk tactics, professionals study logistics”. The principle of logistics is ever relevant in the Indo-Pacific Command area of responsibility, which encompasses over 100 million square miles. In contested logistics environments, where adversaries may attempt to disrupt supply lines, real-time data analysis and secure information flow become paramount for mission success. Effective management and transmission of data are crucial for maintaining supply chains, coordinating troop movements, and ensuring operational readiness. By leveraging cutting-edge technologies currently used in sectors like oil and gas or mining, we can apply innovative data-centric solutions to the government space. This approach will revolutionize contested logistics, providing needed improvements in challenging environments.

Atombeam Technologies directly addresses these issues by revolutionizing how the military can move, use, store and secure data with its innovative Data-as-Codewords technology. Fundamentally, data management is the cornerstone of AI-enabled Network

Centric Warfare in support of Contested Logistics. To transform these buzzwords into meaningful battlefield realities, we must first revolutionize their foundation: Data.

Learn from retired U.S. Navy Rear Admiral Chris 'Boris' Becker, Board Member of Atombeam Technologies and former commander of the Naval Information Warfare Systems Command about:

- What Network Centric Warfare is and how has it progressed from Joint Vision 2010 to modern day
- How Artificial Intelligence and Machine Learning evolved in military applications focused on NCW
- Why data management is crucial in contested logistics, and how can lessons from commercial industries be applied to military operations