

Providing NMCI with Improved Network Intelligence through a Distributed NMS Architecture

As security risks have heightened, the need to securely share intelligence -- from the command center to the deployed armed forces-- has increased. This has given rise to a number of network challenges and new initiatives, including the move towards Net-Centric solutions, initiatives supporting improved situational awareness and communications and the development of a fully integrated system-of-systems.

This paper will outline these specific network challenges within the Department of Defense and discuss how distributing intelligence throughout the network can not only reduce capital costs, but also build a flexible network platform that will carry the NMCI network into the future. It will also cover the underlining vision that network infrastructures, and associated network management systems, become more intelligent and self-sustaining while effectively addressing the challenges associated with a deployed hybrid of legacy and next-generation devices. This concept presents many unique challenges that must be addressed by the Navy in reaching the ultimate goal of achieving true information superiority.

Implications of transitioning a network into an integrated command center will also be addressed. A cost analysis of centralized versus distributed networking will also be covered using use case examples.

Mike Keegan, Executive Vice President and Chief Operating Officer, will present this forward-looking discussion. Mr. Keegan oversees the Company's, engineering, manufacturing, sales, marketing, services and government systems. Prior to joining Applied Innovation, Mr. Keegan was VP & Controller at Orbital Sciences Corporation, where he assisted with over \$1 billion in financing transactions as the company's sales grew from approximately \$300 million to nearly \$900 million. He also worked at KPMG LLP and Iridium LLC, an international consortium developing the world's first hand-held global satellite voice communications system. He is a graduate of The Ohio State University.