

Network Centric Warfare at the Platoon Level: An evaluation of the Tactical Ground Reporting System

John Graham  
Department of Behavioral Science and Leadership  
United States Military Academy  
West Point, NY

Cadet Zachary Savarie  
Cadet Don J Mateer  
United States Military Academy  
West Point, New York

**ABSTRACT:**

In order to meet the challenges of the digital age, the United States adapted the doctrine of Network Centric Warfare. Under this doctrine, communication between units is simple both horizontally and vertically, information is tracked electronically and there are high levels of connectivity, all in an effort to achieve victory. Currently, the Army uses the Army Battle Command System to leverage its technological advantage. The Tactical Ground Reporting (TiGR) System was created to allow units the ability to enter significant actions information at the tactical level in a user-friendly format. Field research done at United States Army Central Command at Camp Arifjan, Kuwait determined the system is feasible and executable. TiGR has limited suitability and though it is not sustainable, TiGR could be an ideal system and, with modifications, can meet specified criteria. The system fails to properly allow the flow of information between units and up the chain of command. If it were fully integrated into the Army system with some refinement, TiGR would be a powerful tool that adheres to Network Centric Warfare doctrine.

**KEYWORDS:** Tactical Ground Reporting System, Network Centric Warfare, Human Computer interaction, Army Battle Command System

**CONTACT:** John Graham, Department of Behavioral Science and Leadership, West Point, NY, Tel: (845) 938-5022, Email: [john.graham@usma.edu](mailto:john.graham@usma.edu)

CDT Don J Mateer, United States Military Academy, West Point, NY, Tel: (845) 515-1844, Email: [don.mateer@usma.edu](mailto:don.mateer@usma.edu)

CDT Zachary Savarie, United States Military Academy, West Point, NY  
Tel: (845) 515-4501 Email: [Zachary.savarie@usma.edu](mailto:Zachary.savarie@usma.edu)