

## Rapid Equipping Force User Interface Design and Development

Lawrence G. Shattuck, Ph.D.  
Naval Postgraduate School  
Monterey, CA

Cadet Brett A. Stroney  
United States Military Academy  
West Point, New York

Cadet Kelsey E. Tardieu  
United States Military Academy  
West Point, New York

### ABSTRACT:

The Rapid Equipping Force's broad mission is to increase mission capability while reducing risk to Soldiers and civilians alike by equipping, inserting and assessing new technological systems for integration in to the requesting unit. In order to reduce risk each proposed system must undergo stringent research to determine its capabilities and to assess its risk. This research process lacks a methodology and depends greatly upon the experience and interpretation of the individual researcher. A user centered interface may be able to establish a basic informal methodology by limiting the type of data they can inputted into the system as well as exported. The proposed high-fidelity prototype hopes to establish a research methodology while also offering other useful features such as a database and approval notices for new projects. This research is being sponsored at the Naval Postgraduate School and TRAC-Monterey.

**KEYWORDS:** user interface, Rapid Equipping force, risk assessment, database

**CONTACT:** Lawrence G. Shattuck, Ph.D. Naval Postgraduate School Monterey, CA  
Tel: (831) 656-2473, Email: [lgshattu@nps.edu](mailto:lgshattu@nps.edu)

CDT Brett A. Stroney, United States Military Academy, West Point, NY,  
Tel: (845) 515-3395, Email: [Brett.Stroney@usma.edu](mailto:Brett.Stroney@usma.edu)

CDT Kelsey E. Tardieu, United States Military Academy, West Point, NY,  
Tel: (845) 515-4503, Email: [Kelsey.Tardieu@usma.edu](mailto:Kelsey.Tardieu@usma.edu)