

Comparing Individual and Team Judgment Accuracy for Target Identification Under Heavy Cognitive Demand

Verlin B. Hinsz, North Dakota State University

Dana W. Wallace, North Dakota State University

Detection and discrimination of entities (e.g., aircraft) are critical processes in combat identification. These processes become more difficult and vital when there is an overwhelming amount of information regarding the entities. Theoretically, one way to improve detection and discrimination of entities is to have teams perform the identification tasks. However, there is insufficient empirical evidence that teams would be superior to individuals in conditions of overwhelming information. We will present results of an experiment comparing the accuracy of individual and team judgments using an AWACS synthetic task environment under conditions of overwhelming information regarding aircraft.