Abstract

Customizing ESRI Products to Meet the Army Warfighter's Needs

Track: Defense and Intelligence

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The Project Director, Combat Terrain Information Systems (PD CTIS) is the Material Developer for the Digital Topographic Support System (DTSS). The DTSS provides the Battlefield Functional Areas (BFA) (i.e., Maneuver, Air Defense, Fire Support, Intelligence, and Combat Service Support) of the Army Battle Command System (ABCS) with terrain overlays and map products in support of a Common Tactical Picture (CTP) of the battlefield. The CTP provides the foundation over which battle staff execute their specific BFA mission requirements. The DTSS is using ArcGIS 8.3 and ArcIMS 4 to build an integrated GIS system in support of terrain data generation/enhancement, terrain analysis, terrain visualization, and a Web-based solution for delivering these products to other Army Command and Control Systems. This paper will focus on the use and customization of ArcGIS 8.3 and ArcIMS 4 in building the DTSS Build 8, Maneuver Control System-Engineer Build 1.0, and Map Server Build 1.4 software packages.

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