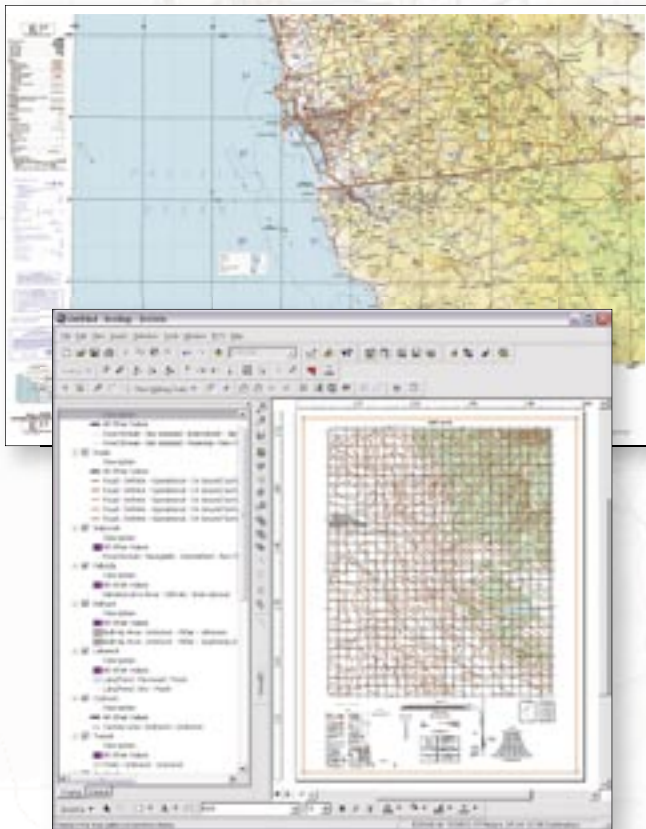# PLTS for ArcGIS®—Defense Solution

Defense Database Production and Mapping

GIS Tools for Defense

Production Line Tool Set (PLTS) for ArcGIS®—Defense Solution provides tools to reduce cost and improve the efficiency of creating and maintaining high-quality topographic databases for publishing professional map products and data analysis. PLTS for ArcGIS leverages the object-relational ArcGIS technology to streamline production in a consistent process, enabling you to do more with fewer resources. From source compilation through database editing and cartographic finishing, Defense Solution delivers efficient workflow tools for

- National Defense Agencies
- Defense Mapping Organizations
- Defense Contractors
- Military Surveys
- Strategic and National Defense Headquarters
- Command Centers

Military Specification Models

Defense Solution allows for rapid creation and updating of many products including Feature Database (FDB), Vector Map Level 1 (VMap 1), 1:250,000-scale Joint Operations Graphic–Air (JOG-A), Vector Map Level 2 (VMap 2), and 1:50,000/1:100,000 Topographic Line Map (TLM) products. The Foundation Feature Data (FFD), VMap 1, and VMap 2 coverage models are included and used to produce standard databases in Vector Product Format (VPF). Other defense data models and products are available with Defense Solution and can be customized to meet your requirements. These data models and products can be maintained and utilized throughout the enterprise and disseminated and exploited in the theater of operation.

Defense Database Tools

Defense Solution is used to create data based on National Geospatial-Intelligence Agency (NGA) specifications from large to small scale. It combines topographic geodatabase models, user-definable knowledge bases, single-click editing, attribution, and quality control tools to offer a tightly integrated production flow. Job Tracking for ArcGIS (JTX) is also included for project tracking, workflow management, and feature-level history tracking. These efficiency tools can be customized according to your organization's processes, business rules, and product specifications.

Database-Driven Cartography

Map Production System (MPS) within Defense Solution facilitates cartographic production of hardcopy topographic products from a geodatabase in a user-specified relational database management system (RDBMS). A map series, or template information, is stored in a geodatabase. Source data, projects, products, and map sheets are cataloged and spatially managed in the Project and Map Sheet Catalog (PMC). The stored map sheet information automates the process of map sheet generation. Several existing map series are included with Defense Solution, and tools are provided so you can easily create your own customized map series. MPS provides a number of industry-standard surround elements and symbol styles that can be used in any map product you choose.

Database-Driven Data and Map Products

For more information,

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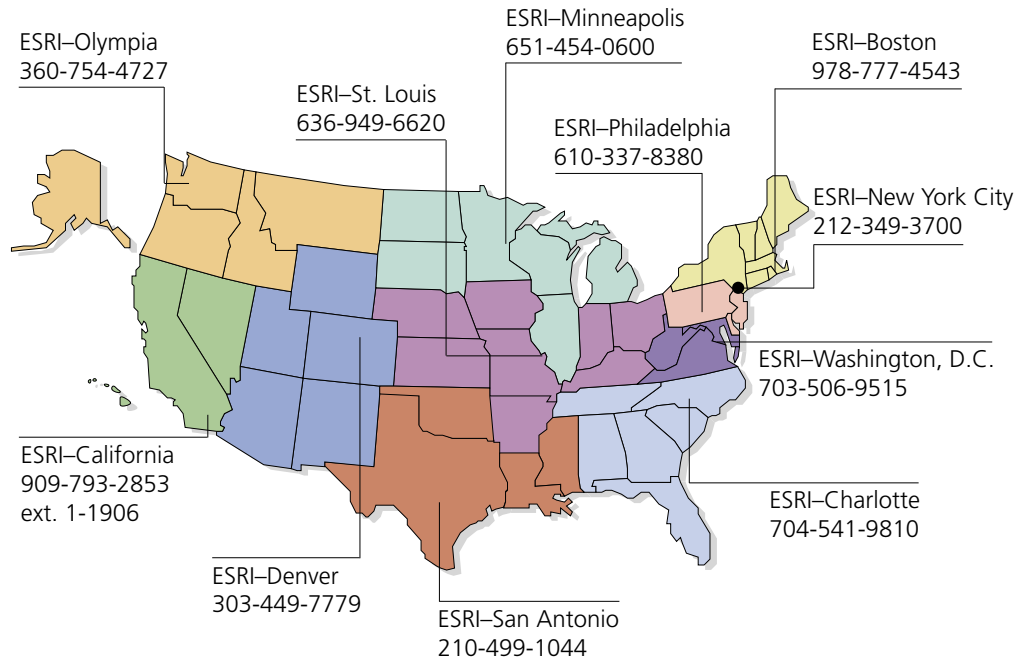
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