



HARD COPY MAP PRODUCTION

High-volume map production to precise specifications is a complex process that requires the coordination of multiple activities. Critical challenges include minimizing the number of steps, reducing manual tasks, and lowering the risk of errors, while ensuring accuracy and compliance with specific requirements. Intergraph®'s Hard Copy Map Production application, featuring the GeoMedia® Feature Cartographer product, is designed to assist defense, intelligence, security, and emergency response organizations in meeting the demands of hard copy map production. GeoMedia Feature Cartographer includes pre-loaded information for producing a number of standardized map products to enable a process that is quick and efficient, and yields high-quality results.

Intergraph's customized approach to hard copy production streamlines your workflow by minimizing steps, driving down labor costs, and automating many of the tasks required to produce final map products. Our application includes a complete set of rules based on stringent industry specifications for the production of Topographic Line Maps (TLM), Joint Operations Graphic - Aeronautical (JOG-A), and Multinational Geospatial Co-production Program (MGCP) Derived Graphics (MDG) maps.

Hard Copy Map Production is a component of Intergraph's Geospatial Intelligence Production solution (GIPS). GIPS is an enterprisewide solution for feature data collection, creation and maintenance of geospatial data warehouses, and digital or hard copy production of geospatial intelligence products suitable to support local, regional, national, and multinational activities, including emergency response.

ELEVATION ARTIFACT PROCESSING

GeoMedia Feature Cartographer automates the use of GeoMedia Grid and reduces the number of steps required to implement a craft-based technique to achieve high-quality

contours. Optimized tools for hill shading, tint band, and spot height generation are available in the GeoMedia Feature Cartographer tool set. Also available is a tool to calculate the minimum and maximum elevation for a selected map footprint.

CARTOGRAPHIC PROCESSING AND EDITING

With GeoMedia Fusion as the conversion engine, our application processes the source schema and assigns the appropriate map symbology using a highly automated process driven by preset information. GeoMedia Map Publisher performs conflict detection and resolution, as well as final cartographic edits.

AUTOMATED MAP SHEET GENERATION

Based on the selected specification, map size, and other user-defined criteria, GeoMedia Feature Cartographer automatically generates a complete map sheet in GeoMedia and populates it with sheet-specific information. It also generates adjoining sheet diagrams, along with cartographic grids and graticules, and adds an Elevation Guide Box (EGB) for TLM specifications or Maximum Elevation Figure (MEF) for JOG-A specifications.

FEATURES AND BENEFITS

- Create high-volume, optimized production of hard copy maps to specification
- Increase productivity by reducing the number of steps in the map production process
- Accelerate many of the process steps, which reduces labor costs
- Automate schema conversion and symbology assignment
- Implement an optimized, craft-based technique to achieve high-quality contours
- Automatically generate all required map sheet information

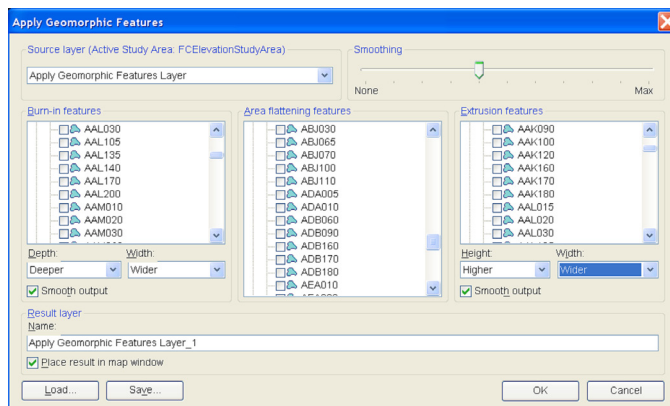
- Support process color separation (CMYK) or special printing colors (SPC) for hard copy output
- Generate GeoPDF files for digital distribution
- Includes support for these products:
 - Topographic Line Map (TLM) – 1:50,000 scale
 - Joint Operations Graphic - Aeronautical (JOG-A) – 1:250,000 scale
 - MGCP Derived Graphics (MDG) – 1:50,000 scale
 - Can be customized to support additional specification-based hard copy map products

APPLICATION COMPONENTS

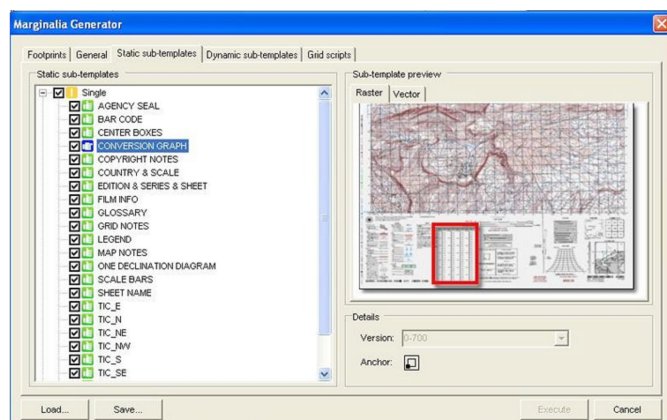
- GeoMedia Professional
- GeoMedia GI Toolkit
- GeoMedia Feature Cartographer
- GeoMedia Mapping Manager
 - Group GeoMedia Feature Cartographer
 - GeoMedia Map Publisher
- Add GeoMedia GeoPDF Publisher

ID	FeatureSet	Source	Table	Records	Target	Processed	Success	Error	Description
1	AA012_quarry_p	FC_TLM	PA012	3	FC_CARTO.FC_Point	3	3	0	
6	AC000_processing_plant_a	FC_TLM	AAC000	5	FC_CARTO.FC_Area	5	5	0	
9	AC030_settling_basin_a	FC_TLM	AAC030	1	FC_CARTO.FC_Area	1	1	0	
17	AF040_crane_p	FC_TLM	PAF040	3	FC_CARTO.FC_Point	3	3	0	
25	AJ050_windmill_p	FC_TLM	PAJ050	3	FC_CARTO.FC_Point	3	3	0	

GeoMedia Feature Cartographer initiates GeoMedia Fusion processes to convert the source data and add the proper attribution for the selected hard copy product's finishing.



The Apply Geomorphic Features command in GeoMedia Feature Cartographer prepares the digital elevation model for cartographic-quality contour generation. Once the preparation is complete, you can use the Cartographic Contours command to generate the contours.



The Marginalia Generator in GeoMedia Feature Cartographer automatically generates the required marginalia based on the selected specification, operator settings, and map size.



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