GeoMedia® Map Publisher from Intergraph® is a cartographic publishing tool that provides national, regional, and military mapping agencies with enhanced cartographic capabilities and high levels of automation for production of their map series products and ad hoc hard copy maps. State Departments of Transportation (DOTs) can also use GeoMedia Map Publisher to produce their state maps.

The GeoMedia product suite is one of the most advanced, yet simple-to-use, tools for performing in-depth analysis on spatial data and for accessing and distributing data in various formats across the enterprise. GeoMedia Map Publisher leverages the GeoMedia platform, which provides flexibility, interoperability, open architecture, and adherence to industry standards. With GeoMedia Map Publisher, you can simplify your workflow, improve map quality, and increase productivity throughout your agency.

GeoMedia Map Publisher also manages cartographic data separately from the source data, which is important in enterprise environments where other departments own the source and the cartographic group has read-only access.

With GeoMedia Map Publisher, there is now no need to copy and manage multiple versions of the source data for map production. Instead, the source data are linked with the cartographic data so that when changes are made to the source data, GeoMedia Map Publisher automatically determines which cartographic data changes are needed to publish new editions of the mapping products, creating a much simpler, more streamlined revision workflow. Multiple users can work simultaneously on individual mapping products or within a cartographic database. You can also review and retrieve edits from other users.

**KEY BENEFITS**

- Provides the cartographic tools you need to produce mapping products without compromising map specifications or quality
- Allows you to create smaller-scale mapping products from large-scale sources with generalization functionality for aggregating areas and extending area boundaries
- Reduces the number of manual adjustments needed with automated processing, which in turn, reduces the amount of time required to produce mapping products and make them available
- Simplifies map production revision workflows by enabling the maintenance of cartographic edits in a separate database from cartographic source data; allows you to easily identify source features that have been added, deleted, or modified – so you can provide new editions of map products with minimal effort
- Allows you to perform cartographic editing on individual features within the GeoMedia environment, using workflows familiar to cartographers
- Reduces manual editing, shortening overall map production time with automated conflict detection, resolution strategies, and queues that bring attention to conflict areas
- Makes available the functionality previously found only in Intergraph’s Dynamo-based DCS product
- Enables you to link cartographic databases back to cartographic source data for map product revision workflows

**KEY FEATURES**

**Instance-based Cartographic Edits**

- Allows you to perform geometry edits, such as linear displacement, and maintain those edits in a cartographic database
- Enables feature-style editing
  - Edit individual line-pattern components where overprints may exist
  - Edit components of point symbols
  - Adjust the size, spacing, or offsets of dash-gap sequences in line styles to achieve cartographic intersections
• Adjust area patterns on individual features
• Override style parameters for individual feature instances without affecting feature instances of the same class

Conflict Detection and Resolution
• Detects feature overprints or feature styles within a user-specified tolerance
• Resolves conflicts automatically, allowing you to:
  • Perform displacing automatically (valid for point features only in the initial release)
  • Orient conflicting points to related linear features
  • Suppress the style display on less significant features or segments of features

Generalization
• Aggregates buildings into city outlines using streets and major roads as constraints for the aggregation process
• Stores generalization results as cartographic edits, separately from the originating source
• Calculates the attributes of the resulting generalized features and stores them in the cartographic edits database separately from the source feature attributes
• Includes interactive commands for area aggregation and boundary extend

Cartographic Database and Source Data
• Maintains feature and style edits made for the purposes of cartographic presentation in a separate database from cartographic source (source data or digital landscape model)
• Links cartographic edits back to their cartographic source feature in support of map product revision workflows
• Displays cartographic source data in context of cartographic edits for quality control and assurance

ABOUT INTERGRAPH
Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph’s industry-specific software to organize vast amounts of data to make processes and infrastructure better, safer, and smarter. The company’s software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, operation, and data management of plants, ships, and offshore facilities.

Intergraph SG&I provides geospatially powered solutions to the public safety and security, defense and intelligence, government, transportation, photogrammetry, and utilities and communications industries. Intergraph Government Solutions (IGS) is an independent subsidiary for SG&I’s U.S. federal and classified business.

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GeoMedia Map Publisher allows you to create smaller-scale mapping products from large-scale source.

With GeoMedia Web Publisher, you can perform cartographic editing on individual features.