

M4 Foundation

Visual Telecommunications Management

M4 Foundation includes a complete array of telecom specific CAD tools, users can integrate and correlate data from existing billing, accounting, trouble ticket, GPS tracking and network monitoring applications with a geographically correct land base map of all network elements.

Features and Benefits

- A comprehensive set of GIS tools to design, manage and map fiber, copper and coax network infrastructures
- Easily attach, view and edit images that are connected to map elements
- Calculate and assign addresses to structures
- Import 200+ formats with the Universal translator
- Define user specific keyboard shortcuts
- Establish administrative and user roles
- Contains a multi-user and network-ready system
- Link map data to existing customer, billing or assignment applications
- Maps automated right-of-way data
- Automatically ID segments and create MSAG numbers
- Creates automatic routing sequencing
- Customize your scenarios when designing new CLEC areas
- Automatically populate tax district footage information for copper and fiber with enhanced boundary tools
- Enable quick and easy query generation with Auto-SQL
- Customize reports for defined selection sets
- Generate street and address reports
- Integrate with existing CAD or OSS programs
- Integrate with Outlook® to improve communication
- Integrate scanned aerial photographs, digital orthophotos, scanned paper maps, BMP, PCX, GIF, TIF, Targa, JPG and other image formats

Integrating with M4 Solutions

Unlike many systems available on the market, M4 integrates multiple platforms and can be used by all departments across a provider's management system. This open-system approach gives end users the ability to build on the software systems they already have and ties them together so information can be shared interdepartmentally. Furthermore, M4 displays all plant data in a spatially accurate, intelligent view.



Advanced Boundary Tool Capabilities

M4 Foundation's enhanced boundary tools allow users to quickly and accurately calculate tax boundary information in their serving areas and plan for future wire miles in boundaries outside of their current exchange. M4's boundary tools identify and allocate telecommunications plant that falls within the polygon-based boundary. This enables telcos to properly account for strand and wire miles, even those that span multiple boundaries. See the benefit of eliminating tedious government tax reporting and managing tax expenses passed on to consumers. M4's boundary tools also send data into Continuing Property Records (CPR) for existing plant management.

M4 Map Sync Technology

Included with M4 Foundation, M4's Map Sync technology improves geographic accuracy and eliminates the need for paper staking sheets without remote connectivity. When connectivity exists in the field or office, M4 Map Sync allows technicians to retrieve or upload maps and SQL database information for work in the field. It allows crews to make red line changes remotely and uploads the new data directly to the live project. M4 Map Sync accommodates each employee simultaneously from the Outside Plant Engineers digitizing in the field to Service Technicians performing repair or maintenance.