



# MEDINA™ WIRELESS SURVEILLANCE

Medina Wireless Surveillance (MWS) is a software product that mines and analyzes user-collected commercial wireless communications network traffic and events to provide analysts a sophisticated understanding of telecommunications activities. MWS software employs an easy-to-use Windows®-based system that enables analysts to aggregate, analyze and relate call and non-call events through a powerful relational database.

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# ADVANCED SITUATIONAL ANALYSIS

AIR

LAND

SEA

CYBER

SECURITY



## ANALYSIS

Data can be shown in link chart, timewheel, histogram or association matrix to show patterns of behavior, including communications and non-obvious relationships in the data.



## EXTRACTION

Documents and log files can be searched, parsed and mined to display preliminary information in a preview screen before adding data to the database. This allows the analyst to validate and include a wide variety of information to the analysis from external, unstructured data sources.



## INTEGRATION

Medina Wireless Surveillance software is designed to easily integrate with various commercial sensors to provide analysis of commercial telecommunications.



## SENSOR CALIBRATION

Data gathering includes environmental survey, non-conventional and conventional information. The information is passed from low-level collectors to higher-level entities facilitating an updated operational environment to include a networked, on the move, direction finding capability.



## GEOLOCATION

Location data is used to determine directional proximity to a particular node-of-interest. The user can filter the directional data, which refines the resulting Elliptical Error of Probability based on various propagation characteristics of the node-of-interest. This information is stored in the database and can be plotted to a map.



## ENVIRONMENTAL SURVEY

MWS and associated receivers will automatically detect the elements of the surrounding RF environment. Location information as well as multimedia information can be associated with each element. Multiple inputs can be merged to form an overall picture of the environment.

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