



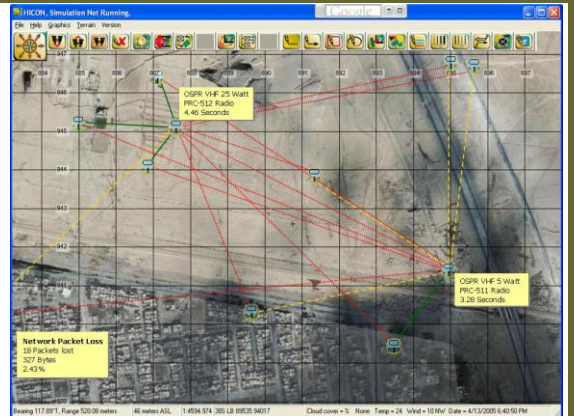
MILCOMM COMMUNICATIONS MANAGEMENT SYSTEM

C4I Consultants' MILCOMM Communications Management System is a simulation-based planning tool with the following capabilities:



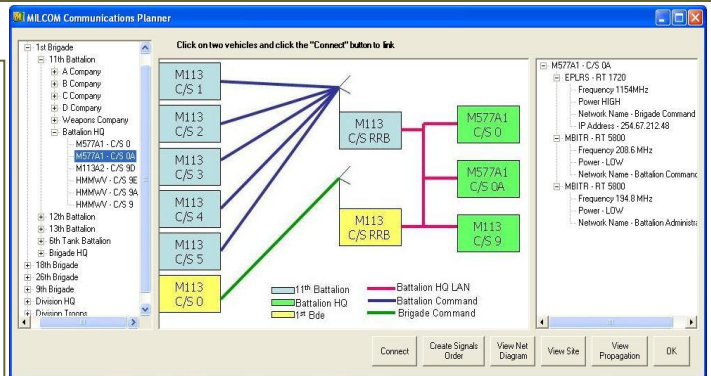
Dynamic Network Display

MILCOMM is capable of dynamically estimating the effects terrain on mobile radio transmissions as well as the effects of interference from external sources, crosstalk, or fading from multiple simultaneous transmissions on the same frequency. The purpose of the dynamic network display is for communications planners to be able to create, display and test the communications plan and to modify the plan iteratively using easy-to-use visual tools.



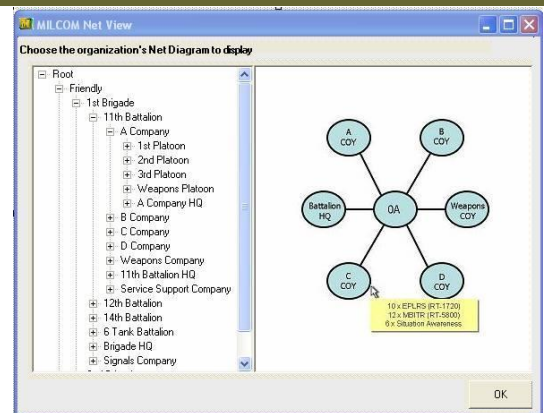
Network Planning

MILCOMM Network Planning Tool allows the communications planners to simply and effectively create the radio, antenna and network infrastructure of the organization they support. The tool is simple to use, is visually descriptive and requires little training in order to operate it. Network connections are created by dragging and dropping and the Communications Annexes for orders are automatically created.



Network Diagram Tool

MILCOMM allows the communications planners to quickly and effectively create and view network diagrams. Network diagrams are a visual tool to display the callsigns and/or names of control and outstations within the network. The diagrams created within the Network Diagram Tool can be printed, saved, and copied and pasted into other documents for promulgation.



Communications Site Planning

MILCOMM Communications Site Planning tool allows communications planners and operations staff to quickly and effectively plan the layout a current or future headquarters location. MILCOMM ensures that the space is managed and that there is appropriate space for all elements, that safety distances are maintained, and that all cabling can "reach" from vehicle to vehicle (and to radio parks). Once the site plan is agreed to, MILCOMM can interface directly to the C2 system and send the layout plan in a message to others.





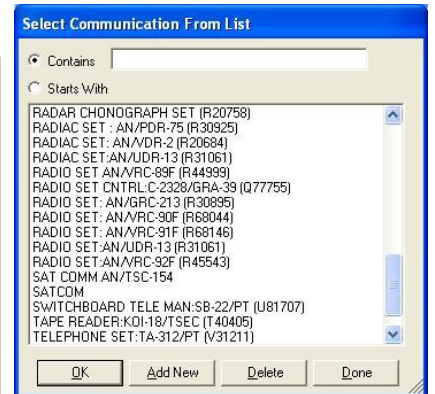
MILCOMM COMMUNICATIONS MANAGEMENT SYSTEM

C4I Consultants' MILCOMM Communications Management System is a simulation-based planning tool with the following capabilities:



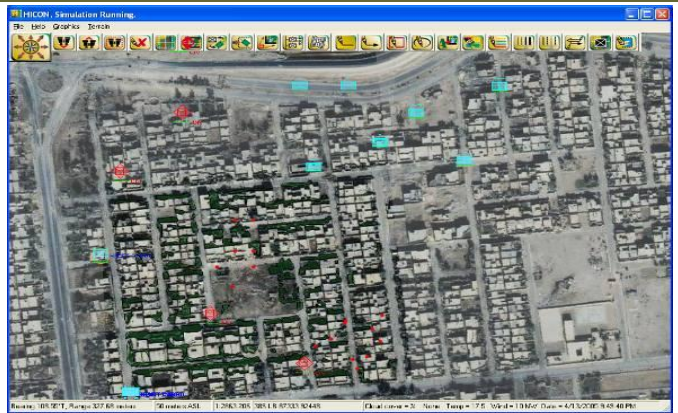
Communications Database Lookup

MILCOMM contains a comprehensive database with many NATO and Former Warsaw Pact communications equipment including computer equipment, radio sets, RADAR, telephone, and many other types. The MILCOMM user can quickly search the database and call up the equipment characteristics for the communications or computer device in question. This tool will also show how many of that particular device is deployed or believed to have been deployed in theatre, which aids in SIGINT operations (for enemy equipment) or communications planning (for friendly equipment). The database can be modified as desired to add new equipment or revised capabilities.



Dynamic Network Rehearsal

MILCOMM Dynamic Network Rehearsal tool which allows communications planners to rehearse the operation upon the actual terrain forecast for the operation with the actual communications and networking components in their prospective locations. This allows planners to forecast where communications issues may occur and try to solve the issues iteratively prior to deployment.



Radio Range Planning Tool

MILCOMM Radio Range Planning Tool allows the user to quickly set up UHF, VHF and HF radio networks across a wide area using a graphical planning tool. This tool allows the communications planners to roughly locate the non-satellite-based systems quickly and easily within the area of operations. The operator can see at a glance what the maximum and operational ranges for any radios within the organization.



Radio Wave Propagation Model

MILCOMM Radio Wave Propagation Model uses the terrain and database characteristics for radio and antenna sets to estimate path loss from terrain features that could affect the transmission or voice or data within the desired frequency. The Radio Wave Propagation Model can be expanded to include fading using Rician or Rayleigh fading models.

