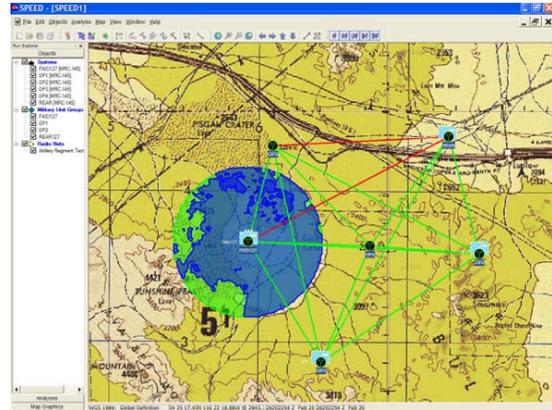




The System Planning, Engineering and Evaluation Device (SPEED) is a software package providing the Communication Officers the tools necessary to engineer and plan radio communication analysis. SPEED software contains High Frequency Analysis (HF), Radio Coverage Analysis (RCA), Point To Point (PTP), and Satellite Planning (SATPLAN) tools, which allow engineering planning in response to rapidly changing communication architectures. The SPEED software also contains additional tools such as Table of Equipment Manager, Guard Chart Generator, Network planning, and an equipment database, which contains all tactical platforms, equipment and antennas. SPEED uses Advanced Prophet and Terrain Integrated Rough Earth Model (TIREM), in conjunction with Digital Terrain Elevation Data (DTED) to perform signal strength prediction analysis, which is presented in a graphical representation. Systems are overlaid on Compressed Arch Digital Raster Graphic (CADRG) or Computer Image Base (CIB) Maps. SPEED has the ability to inject analysis onto the Command and Control Personnel Computer (C2PC) Application giving real-time response to rapidly changing battlefield conditions.

Background: The first SPEED software programs were DOS based applications. Having proven its value to the Operating Forces, SPEED migrated to the Windows 3.1 environment allowing multiple analysis programs to work together presenting a complete representation of the communication-engineering picture. SPEED software has migrated through Windows 95, NT, 2000 and has completed testing under the Windows XP operating System.

SPEED Fact Sheet



Description: SPEED is a complete stand-alone self-installing software package providing the tools necessary to plan, analyze, and engineer radio communication profiles. The National Imagery Mapping Agency (NIMA) provides DTED, CADRG and CIB data. Radio symbology can be linked to MILSTD symbology. When used as an Injector to C2PC, moving unit positions are updated and real time communication analysis is provided.

MCTSSA Support: MCTSSA hosts developmental testing for SPEED and provides technical support to SPEED's integration into tactical systems such as The Intel Ops Workstation (IOW), Unified Operation Center (UOC) and a host of other systems, which use SPEED software. MCTSSA supports the Joint SPEED User community with their MAGTF C4ISR Helpdesk and provides on-site technical support to the Operating Forces.

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