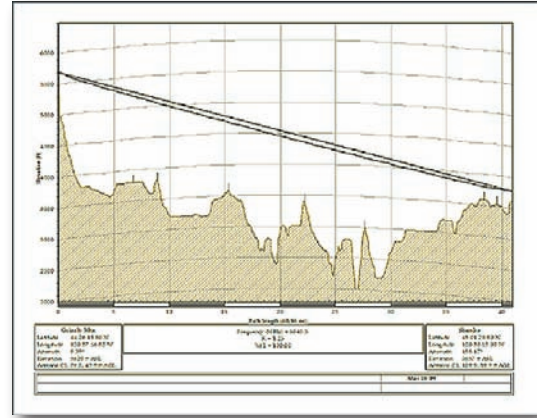




## ***Network Concept Design***

Functional requirements and operational objectives are developed utilizing local official interviews, government regulations, industry standards, and best engineering practices. The network design consists of site locations, route map, path profiles, path availability calculations, antenna configuration, and major item-pricing estimates. Findings and recommendations contain the essential details for preparing system-procurement documents.



## ***Project Quality Management***

Quality planning begins with identifying baseline standards relevant to engineering, installing, and testing a microwave network. Quality Control inspections and Quality Assurance audits are conducted during system implementation to evaluate conformance of plans, processes and deliverables to the quality standards. Risk mitigation strategies that specify corrective actions and improvements are created when necessary.



## ***Performance Testing Verification***

On-site testing is undertaken to develop a first-hand sense about test program effectiveness and quality of the installed system performance. Witnessing includes waveguide return loss (sweep) tests, antenna path alignments, microwave radio commissioning tests, and circuit bit-error measurements. Timely reports keep project managers abreast of field progress and provide an early evaluation of test results for compliance with specifications.



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