

## **WyoLink Radio System Coverage**

The WyoLink radio system is being designed to provide interoperable communications for public safety agencies across Wyoming. Wyoming's Public Safety Mobile Communications (PSMC) Plan was developed by a steering committee representing a broad range of public safety agencies. The plan represents a carefully crafted balance between system requirements based on user needs and system cost.

In considering the coverage provided to a given group of users, composite coverage of all radio sites in and around the operational area must be considered rather than the number of radio sites in the operational area owned by the user agency. A WyoLink project goal has been to improve statewide coverage for public safety users within the State. If improvement is not economically feasible, the project is committed to providing coverage equal to the existing coverage.

In balancing system requirements and system cost the Steering Committee referenced the 95% coverage target on the performance of mobile radios. The WyoLink radio system will provide coverage for portable radios as a function of reaching the mobile radio target. Portable radio coverage will not be as extensive as mobile radio coverage but should typically be better than current portable radio coverage in most cases. As the WyoLink system is constructed the coverage provided for portable radios will be evaluated and compared against existing portable radio coverage. Testing of a given area will be conducted and evaluated upon optimization of all WyoLink sites that could impact coverage for that area.