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## Mobile communication networks Performance spectrum:

### 1. Location acquisition

1. Preparatory macro-location investigation within overall search areas
2. Verification of joint usage at existing locations
3. Preparation for the approval procedure and conduct of hearings
4. Determination of micro-location in accordance with all participants

### 2. Documentation of the actual facts and conditions

1. Supplementation of fact documentation of buildings, existing masts and installations
2. Planning preparation and documentation of buildings, existing masts and installations
3. Verification of building condition

### 3. Approval planning and permitting

1. Preparation of documentation to submit to the approving authorities for the telecommunications locations
2. Preparation of property lists and plans
3. Preparation of environmental compliance studies and accompanying plans for landscape conservation
4. Writing explanatory reports addressing of public and private concerns and obtaining the necessary permits
5. Conducting soil-mechanical studies, including the analysis of contaminated soils
6. Static proof preparation for the base stations of system engineering, for antenna support constructions, existing mast installations and foundations for system support constructions
7. Connection concepts of base station connecting to higher network levels
8. Preparation of structural analyses for mast installations, roof constructions and foundations

### 4. Realization planning

1. Preparation of documentation for the construction of complete mobile telecommunications locations
2. Building specifications and preparation of performance specifications
3. Planning leased lines to higher network levels
4. Construction plans, parts lists and detailed drawings for steel constructions, antenna mounting, safety devices and approval of leased lines
5. Integration of the planning in existing plans and in the documentation of the actual network operator
6. Engineering back-up power generation facilities, grounding devices and lightning protection devices
7. Planning and engineering of necessary repeater locations

### 5. Project management

1. Supervision of all construction segments, including the necessary qualifications (e.g. BAU-STE of DB AG)
2. Documentation of the completed construction