

Category Group 13, Communications, Navigation Aids and Airfield Lighting.

General Guidance.

1.1. Air Force Communications and Information Systems are established to support air operations and Air Force provisioned portion of the Global Information Grid (GIG). For additional information on communications electronics system and planning guidance, see AFI 33-104, *Base-Level Planning and Implementation*.

1.2. All new and existing communications facilities are evaluated to determine what physical protection features are needed to ensure communications survivability. Requirements, such as blast protection, security devices, unconventional warfare protection, etc., are determined by the Air Force Network Integration Center (AFNIC). Project planners are required to obtain assistance from their wing communications and information systems planner and Systems Telecommunications Engineering Manager-Base Level (STEM-B) and/or STEM-C (MAJCOM), because the threat analysis, the protection requirements, and, hence, the appropriate survivability measures, vary from site to site. (T-1). Backup generators (depending on size) should comply with local, state, and federal requirements with respect to air emissions, as required by AFI 32-7040.

1.3. AFMAN 91-201 contains standards on protecting explosives from the hazards of electromagnetic radiation. Apply these standards when constructing communications and navigational aids that expose electro explosives devices (EED).

1.4. AFI 32-1065, *Grounding Systems*, contains standards on electrical grounding requirements.

1.5. See AFI 32-1063, *Electric Power Systems*, for primary power and back-up power requirements.