

1. SCOPE

1.1 Purpose. This military standard (MIL-STD) establishes mandatory requirements applicable to satellite communications (SATCOM) terminals that are required to operate over dedicated 5-kHz and 25-kHz ultra high frequency (UHF) SATCOM channels. The requirements specified herein represent the minimum set required for interoperability. Such requirements may be exceeded by equipment developers to satisfy specific service requirements, provided that interoperability is maintained. For example, the incorporation of additional standard and nonstandard interfaces is not precluded.

1.2 Scope. This MIL-STD is mandatory within the Department of Defense (DoD) and shall be invoked by equipment specifications for all future terminals required to operate over 5-kHz and 25-kHz UHF SATCOM channels. Existing terminals undergoing major modification, and terminals under development, shall be modified to conform to this MIL-STD if operation over 5-kHz and 25-kHz UHF SATCOM channels is required; the waiver procedures of DoD Instruction 5000.2 shall apply if deviation from this MIL-STD is necessary.

1.3 Application guidance. In this MIL-STD, the word *shall* identifies mandatory system standards. The word *should* identifies design objectives that are desirable but not mandatory. The terms *system standard* and *design objective* are defined in FED-STD-1037.

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