

Army Regulation 105-6

Communications-Electronics

Standardized Tele - communications Program

**Headquarters
Department of the Army
Washington, DC
13 March 1974**

UNCLASSIFIED

SUMMARY of CHANGE

AR 105-6

Standardized Tele - communications Program

Effective 1 May 1974

Communications-Electronics

Standardized Tele - communications Program

By Order of the Secretary of the Army:

CREIGHTON W. ABRAMS
General, United States Army
Chief of Staff

Official:

VERNE L. BOWERS
Major General, United States Army
The Adjutant General

History. This is a complete revision of AR 105-6 which deletes the Fixed Signal

Communications Facility Program and implements a new broader program.

Summary. This regulation establishes a Standardized Telecommunications Program and prescribes the policy and responsibility for its implementation.

Applicability. This regulation applies to all Department of the Army elements concerned with the acquisition, modification, or expansion of nontactical telecommunications equipment, facilities, networks, and systems, including associated communications security equipment for which the Department of the Army is responsible. It does not apply to telecommunications facilities which use leased equipment.

Proponent and exception authority.

The proponent agency of this regulation is the US Army Communications Command.

Army management control process. Not applicable.

Supplementation. Local limited supplementation of this regulation is permitted, but it is not required. If supplements are issued, one copy will be furnished to US Army Communications Command (USACC), ACC-FD-MLR, Fort Huachuca, AZ 85613.

Suggested Improvements. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications) to Commander, US Army Communications Command, ATTN: ACC-FD-MLR, Fort Huachuca, AZ 85613.

Distribution. Contents (Listed by paragraph and page number)

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** This regulation supersedes AR 105-6, 16 May 1972.

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1. Purpose.

This regulation establishes a Standardized Telecommunications Program and prescribes the policy and responsibility for its implementation.

2. References.

- a. AR 10-13, Organization and Functions: US Army Strategic Communications Command.
- b. AR 71-6, Type Classification/Reclassification of Army Materiel.
- c. AR 105-22, Communications-Electronics: Telecommunications Requirements Planning, Developing, and Processing.
- d. AR 310-25, Dictionary of United States Army Terms.
- e. AR 700-47, Defense Standardization Program.

3. Scope.

This regulation applies to all Department of the Army elements concerned with the acquisition, modification, or expansion of non-tactical telecommunications equipment, facilities, networks, and systems, including associated communications security equipment for which the Department of the Army is responsible. It does not apply to telecommunications facilities which use leased equipment.

4. Explanation of terms.

Terms used in this regulation which are not included in AR 310-25, or which require special explanation, are defined where used. For the purpose of this regulation, the following terms and definitions apply:

a. *Telecommunications Requirement (TELER)*. A statement of a requirement on which planning, programming, budgeting justification, and management evaluation is based for all telecommunications services, facilities, systems, equipment, and engineering and technical assistance provided under the provisions of AR 105-22.

b. *Telecommunications Standardization Technical Bulletin (TSTB)*. The TSTB is a technical bulletin (as defined by AR 310-2) which is published in the TB 105-6 series to promote a Standardized Telecommunications Program. It is a general planning document which contains preferred items of equipment; its primary purpose is to promulgate guidance in the planning of standardized telecommunications facilities. Each bulletin contains the following type information which will assist the user in preparation of a TELER:

(1) Brief description of the operational performance characteristics of the equipment or system.

(2) Technical narrative information.

(3) List of material.

(4) List of test equipment and tools.

(5) Item cost data.

(6) Component weight/measurements data.

(7) List of reference documents and manuals.

(8) Standard drawings.

c. *Standardized Engineering/Installation Package (SEIP)*. A SEIP is a pre-engineered package which contains guidance for detailed planning, engineering, installing, and determining test/acceptance criteria for a standard installation. It contains standard configurations of physical layout, rack profiles, electrical interface, interconnections, and other engineering-installation data for a stated typical installation, including test criteria and procedures for acceptance of the completed installation. When prepared, the SEIP is the basis for preparation of individual facility detailed engineered projects (EIP's).

d. *Engineering/Installation Package (EIP)*. An EIP is the technical documentation which translates a validated telecommunications requirement into a final engineered package. It contains all the narrative, detailed engineering drawings, construction requirements, bill of materials, installation, test and acceptance criteria, and cutover data to implement the operational requirement.

5. Policy.

It is Department of Army policy that telecommunications facilities

will be standardized to the maximum practicable extent, using preferred items of equipment, in the interest of increasing interoperability, efficiency of design, acquisition, and logistics support, consistent with the needs of the Army and within limitations imposed by status of forces agreements.

6. Responsibilities.

a. The Commanding General, USAAC, will:

(1) Promulgate guidance to standardize Army telecommunications facilities.

(2) Develop TSTB's to provide technical guidance and information designed to expedite the planning and acquisition of standardized Army telecommunications facilities.

(3) Determine the need for and publish other documents as necessary to supplement the TSTB's in their specific applications, and to further support the Telecommunications Standardization Program, e.g., standard engineering/installation packages.

b. Army planners will make maximum use of TSTB's and related guidance and information in the planning and programming of telecommunications facilities.

7. Standardized telecommunications program.

a. *Concept*. This program requires that USACC provide, on a world-wide basis, guidance to plan, engineer, and install standardized telecommunications installations and facilities. The media for promulgating the Standardized Telecommunications Program are preengineered planning documents (TSTB's and SEIP's). TSTB's will be indexed and published as DA TB's in the 105-6 series to provide useful data needed by staff communications-electronics (C-E) personnel in the initial planning and programming of telecommunications requirements (TELER's). SEIP's will be published as USACC documents and distributed to engineering and installation (EI) agencies to simplify and standardize detailed engineering and installation of validated requirements. The documents are an aid to planners and engineers in the planning and preparation of the individual TELER's and detailed engineered projects to implement specific operational requirements.

b. *Program Objectives*. The objectives of the program are to:

(1) Standardize on materiel used in telecommunications systems, and to simplify and standardize the engineering, installing, and acceptance testing process.

(2) Support the Department of Defense standardization effort to:

(a) Simplify methods of forecasting equipment requirements and planning standardized installations and bills of materials for TELER's as provided in AR 105-22.

(b) Facilitate selections, standardization, and balanced procurement of preferred items of equipment and installation materiel necessary to support a particular telecommunications function.

(c) Provide a means for the orderly introduction of new type classified equipment into telecommunications systems, and for the elimination of obsolete and nonstandard equipment configurations.

(d) Promote interoperability and commonality, and simplify logistics to insure a complete supportable facility during the operational phase.

(3) Provide basic information and guidance for planning and engineering of standardized telecommunications projects to insure uniform installations to the maximum extent feasible and to provide:

(a) Pre-engineered documents to assist in field installation planning and estimating.

(b) Documentation to facilitate training of new personnel in planning and engineering of various telecommunications equipments and systems.

(4) Initiate and maintain a uniform method of converting user requirements into engineering-installation plans.

c. *Program Procedures*.

(1) Telecommunications standardization technical bulletins will be prepared by USACC and published in the TB 105-6 series.

(2) These bulletins will be published on preferred items of equipment and systems for use in the planning, programming, and acquiring of equipment required to implement telecommunications requirements.

(3) SEIP's will be published as required to aid field engineering personnel in the detailed engineering of telecommunications projects.

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