

# Federal Telecommunications Recommendation 1063-1997

11 August 1997

## PROCEDURES FOR DOCUMENT FACSIMILE TRANSMISSION

Federal Telecommunications Recommendations (FTR) are issued by the Technology and Standards Division, National Communications System (NCS), after approval by the Federal Telecommunication Standards Committee and the Deputy Manager, NCS, pursuant to Executive Order 12472, NCS Directive 4-1, and Public Law 104-113.

**1. Name of Recommendation.** Procedures for Document Facsimile Transmission.

**2. Category.** Facsimile Terminal Equipment.

**3. Explanation.** This recommendation establishes procedures which are necessary for document transmission between two facsimile stations operating on voice band analog circuits. This recommendation is based on ANSI/TIA/EIA-466-A-1996, which replaces EIA RS-466 (FIPS PUB 148).

**4. Approving Authority.** Deputy Manager, National Communications System.

**5. Maintenance Agency.** Technology and Standards Division, National Communications System.

**6. Related Documents.**

Related International Telecommunication Union Recommendations:

a. T.0 (1988), Classification of Facsimile Apparatus for Document Transmission over Telephone-Type Circuits.

b. T.4 (1993), Standardization of Group 3 Facsimile Apparatus for Document Transmission.

c. T.6 (1988), Facsimile Coding Schemes and Coding Control Functions for Group 4 Facsimile Apparatus.

d. T.30 (1993), Procedure for Document Transmission in the General Switched Telephone Network.

e. V.17, A 2-Wire Modem for Facsimile Applications with Rates up to 14.400 bit/s.

f. V.27 ter, 4800/2400 Bits per Second Modem Standardized for Use in the General Switched Telephone Network.

g. V.29, 9600 Bits per Second Modem Standardized for Use on Point-to-Point 4-Wire Leased Telephone-Type Circuits.

h. V.33, 14.400 Bits Per Second Modem Standardized for Use on Point-to-Point 4-Wire Leased Telephone-Type Circuits.

Related ANSI-EIA/TIA Standards:

- a. ANSI-EIA-538-88, Facsimile Coding Schemes and Coding Control Function for Group 4 Facsimile Equipment.
- b. ANSI-TIA/EIA-465-A-1995, Group 3 Facsimile Apparatus for Document Transmission.
- c. ANSI-TIA/EIA 614, Binary File Transfer Format for Group 3 Facsimile.

Related Federal Information Processing Standards Publications (FIPS PUBS):

- a. FIPS PUB 165, 4,800 Bits Per Second Four-Wire Duplex and Two-Wire Half-Duplex Modems for Data Communications Use on Telephone-Type Circuits, (1992).
- b. FIPS PUB 166, 4,800 and 9,600 Bits Per Second Two-Wire Duplex Modems for Data Communications Use on Telephone-Type Circuits, (1992).
- c. FIPS PUB 167, 9,600 Bits Per Second Four-Wire Duplex Modems for Data Communications Use on Telephone-Type Circuits, (1992).
- d. FIPS PUB 170, Data Compression in Modems Employing CCITT Recommendation V.42 Error Correction, (1992).

At the time of publication of this recommendation, the editions indicated above were valid. All publications are subject to revision, and parties to agreements based on this recommendation are encouraged to investigate the possibility of applying the most recent editions of these publications.

You may obtain copies of the related documents from:

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|-------------------|---|---|
| ANSI/TIA/EIA      | - | Global Engineering Documents<br>7730 Carondelet Avenue<br>St. Louis, MO 63105<br>(800) 854-7179; FAX (314) 726-6418                         |
| FIPS Publications | - | National Technical Information<br>Service<br>U.S. Department of Commerce<br>5285 Port Royal Road<br>Springfield, VA 22161<br>(703) 487-4650 |
| ITU-T Documents   | - | Phillips Business Information, Inc.<br>OMNICOM<br>1201 Seven Locks Road, Suite 300<br>Potomac, MD 20854<br>(800) 666-4266                   |

**7. Objectives.** The objective of this recommendation is to facilitate interoperability between and among facsimile terminals within telecommunications facilities and systems of the Federal Government.

**8. Applicability.** ANSI/TIA/EIA-466-A-1996 is recommended for use by all Federal departments and agencies in the procurement of Group 3 facsimile equipment.

**9. Specifications.** This recommendation adopts ANSI/TIA/EIA-466-A-1996.

**10. Where to Obtain Copies.** Additional copies of this document can be obtained from the National Communications System, Technology and Standards Division (N6), 701 South Court House Road, Arlington, VA 22204-2198. When requesting copies, refer to Federal Telecommunications Recommendation 1063-1997, Procedures for Document Facsimile Transmission.