

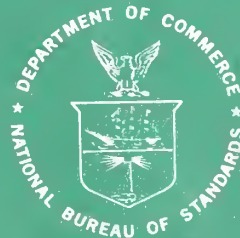


1969

**FEDERAL INFORMATION
PROCESSING STANDARDS PUBLICATION
NOVEMBER 1, 1968**

**PERFORATED TAPE CODE
FOR INFORMATION
INTERCHANGE**

**HARDWARE STANDARD
INTERCHANGE
CODES AND MEDIA**



U.S. Department of Commerce/National Bureau of Standards

Foreword

The Federal Information Processing Standards Publication Series of the National Bureau of Standards is the official publication within the Federal Government for information relating to standards which are adopted and promulgated under the provisions of Public Law 89-306 and Bureau of the Budget Circular A 86 titled, Standardization of data elements and codes in data systems. These publications collectively constitute the FEDERAL INFORMATION PROCESSING STANDARDS REGISTER.

The publications in this series are used to announce and maintain Federal Information Processing Standards. Also, these publications are issued to provide standards information of a general interest and a complete index of relevant standards publications and specifications.

Publications in this series which announce the adoption of standards provide necessary policy, administrative, and guidance information for their effective implementation and utilization. In most cases, a copy of the technical specifications of the standard are affixed to the announcing publication. When this is not possible, the source where copies of the standards specification can be obtained will be cited.

Suggestions for improvement which are gained by the use of Federal Information Processing Standards and Publications are welcomed. These should be addressed to the National Bureau of Standards, Center for Computer Sciences and Technology, Office for Information Processing Standards, Washington, D.C. 20234.

A. V. ASTIN, *Director*

**Federal Information
Processing Standards Publication 2
November 1, 1968**



**PERFORATED TAPE CODE
FOR INFORMATION INTERCHANGE**



Federal Information Processing Standards Publications are issued by the National Bureau of Standards under the direction of the Bureau of the Budget in accordance with the provisions of Public Law 89 306 and Bureau of the Budget Circular No. A-86.

Name of Standard. Perforated Tape Code for Information Interchange. (FIPS 2)

Category of Standard. Hardware Standard, Interchange Codes and Media.

Explanation. This standard specifies the representation of the Federal Standard Code for Information Interchange (FIPS 1) on perforated tape used in Federal information processing systems, communications systems, and associated equipments.

Approving Authority. White House memorandum to heads of departments and agencies, dated March 11, 1968, signed by Lyndon B. Johnson, President of the United States.

Maintenance Agency. Department of Commerce, National Bureau of Standards (Center for Computer Sciences and Technology).

Cross Index.

- a. USA Standard X3.6-1965—Perforated Tape Code for Information Interchange.

Applicability. Generally applicable to the representation of character coded information on perforated paper tape used with data processing, communications, and related equipments. The Secretary of Commerce by separate letter addressed to the heads of Federal departments and agencies will provide details concerning implementation plans and specific areas of application. When released, information concerning this letter and the applicability of the standard will be the subject of a future FIPS PUBLICATION. Information concerning the use of the standard in communications systems may be obtained from the Manager, National Communications System, Attention: NCS-O, Washington, D.C. 20305.

Implementation Schedule. All perforated tape devices used for representing character coded information brought into the Federal Government inventory on or after July 1, 1969, must have the capability to use this standard.

Specifications. This standard adopts in whole the USA Standard Perforated Tape Code for Information Interchange, X3.6-1965, which has been developed and approved by the United States of America Standards Institute.

Qualifications. As contained in the specifications of the standard and as clarified by the Secretary of Commerce letter addressed to heads of Federal departments and agencies. (See **Applicability** paragraph above.)

Where to Obtain Copies of the Specifications of the Standard.

a. Federal Government activities should obtain copies from established sources within each agency. When there is no established source, purchase orders should be submitted to the General Services Administration, Specifications Activity, Printed Materials Supply Division, Building 197, Naval Weapons Plant, Washington, D.C. 20402. Refer to Federal Information Processing Standard Number 2 (FIPS 2). (Price 45 cents a copy.)

b. Others may obtain copies from the United States of America Standards Institute, 10 East 40th Street, New York, New York 10016. Refer to USA Standard X3.6-1965, Standard Perforated Tape Code for Information Interchange. (Price \$1.50 a copy. Discounts are available on quantity orders. See USASI catalog.)

Announcing—The Federal Information Processing Standards Publications Series

Each of the publications of this series carries the short identifier FIPS PUB.

At the time of this publication the following FIPS PUBS have been issued:

- FIPS PUB 0. General Description of the FEDERAL INFORMATION PROCESSING STANDARDS REGISTER. 20 cents.
- *FIPS PUB 1. Code for Information Interchange, (Hardware Standard, Interchange codes and media). 10 cents.
- *FIPS PUB 2. Perforated Tape Code for Information Interchange, (Hardware Standard, Interchange codes and media). 10 cents.
- *FIPS PUB 3. Recorded Magnetic Tape for Information Interchange (800 CPI, NRZI), (Hardware Standard, Interchange codes and media). 10 cents.
- FIPS PUB 4. Calendar Date, (Federal General Data Standard, Representations and codes). 20 cents.
- FIPS PUB 5. States of the United States, (Federal General Data Standard, Representations and codes). 20 cents.
- FIPS PUB 6. Counties of the States of the United States, (Federal General Data Standard, Representations and codes). 40 cents.

How to Purchase

Send orders with remittance to: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. There is a 25 percent discount on quantities of 100 or more. The FIPS PUBS noted with an asterisk (*) provide only policy, administrative, and guidance information relative to the implementation and utilization of the standards. The technical specifications of the standards (identified as FIPS 1, 2, 3) can be obtained from the following sources: (1) Federal Government activities should obtain copies from established sources within their organizations. If not available, purchase orders should be submitted to the General Services Administration, Specifications Activity, Printed Materials Supply Division, Building 197, Naval Weapons Plant, Washington, D.C. 20402. Refer to FIPS 1 (40 cents), FIPS 2 (45 cents) and FIPS 3 (70 cents). (2) All others should obtain copies from the United States of America Standards Institute, 10 East 40th Street, New York, N.Y. 10016. Refer to USA Standards X3.4-1968 (\$2.00), X3.6-1965 (\$1.50) and X3.22-1967 (\$2.50) for FIPS 1, 2, and 3, respectively.

A complete list of the publications issued in the FEDERAL INFORMATION PROCESSING STANDARDS PUBLICATIONS series can be obtained by writing to the National Bureau of Standards, Office for Technical Information and Publications, Washington, D.C. 20234.

Notification of new publications in this series can be arranged by sending your name and mailing address (include Zip Code) to the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402. Refer to Notification Key N-377.

Subscription service for new publications and supplements in the series is also available from the Superintendent of Documents for an indefinite period.