FIPS PUB **58**

U.S. DEPARTMENT OF COMMERCE / National Bureau of Standards

FIPS

REPRESENTATIONS OF LOCAL TIME OF THE DAY FOR INFORMATION INTERCHANGE

FEDERAL GENERAL DATA STANDARD REPRESENTATIONS AND CODES

Foreword

Federal Information Processing Standards Publications of the National Bureau of Standards are adopted and promulgated under the provisions of Public Law 89-306, and Part 6 of Title 15 Code of Federal Regulations. The standards are required for implementation by Federal agencies in the acquisition, development and use of automated information systems and in the interchange of data between and among agencies and with the public. The use of such standards which are adopted after extensive review by Federal agencies, industry and the public are intended to reduce government costs and improve the effectiveness of government services.

Comments concerning Federal Information Processing Standards Publications are welcomed, and should be addressed to the Director, Institute for Computer Sciences and Technology, National Bureau of Standards, Washington, D.C. 20234.

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Abstract

This FIPS PUB announces the adoption of American National Standard X3.43-1977, Representations of Local Time of the Day for Information Interchange. This standard provides the means for representing local time of the day to facilitate the interchange of information among data systems.

Key words: American National Standard Representation for Calendar Date and Ordinal Date for Information Interchange; meridiem designators; separators; sequencing; time elements; timekeeping systems; time representations.

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ANNOUNCING THE STANDARD FOR

REPRESENTATIONS OF LOCAL TIME OF THE DAY FOR INFORMATION INTERCHANGE

Federal Information Processing Standards Publications are issued by the National Bureau of Standards pursuant to the Federal Property and Administrative Services Act of 1949, as amended, Public Law 89–306 (79 Stat. 1127), Executive Order 11717 (38 FR 12315, dated May 11, 1973) and Part 6 of Title 15 Code of Federal Regulations (CFR).

Name of Standard. REPRESENTATIONS OF LOCAL TIME OF THE DAY FOR INFORMATION INTERCHANGE.

Category of Standard. Federal General Data Standard, Representations and Codes.

Explanation. This standard provides the means for representing the local time of the day based upon both the 12- and 24-hour timekeeping systems for use in the interchange of information among data systems. It specifies the time elements and their sequencing, the use of separators between time elements and the representation of the meridiem designator.

Approving Authority. Secretary of Commerce.

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

Cross Index.
   a. Federal Information Processing Standards Publication (FIPS PUB) 4, Calendar Date.

   b. American National Standard X3.30–1971, Representation for Calendar Date and Ordinal Date for Information Interchange.

   c. ISO Standard 3307–1975, Information Interchange—Representations of Time of the Day.

   d. American National Standard X3.51–1975, Representations of Universal Time, Local Time Differentials, and United States Time Zone References for Information Interchange.

   e. ISO Standard 4031, Information Interchange—Representation of Local Time Differentials.

   f. Federal Information Processing Standards Publication (FIPS PUB) 58, Representations of Universal Time, Local Time Differentials, and United States Time Zone References for Information Interchange.

Applicability. This standard is required for use by Federal agencies in representing local time of the day in the interchange of information among Federal agencies and between Federal agencies and the public. In using this standard, the particular form of representation used should be specified in related documentation, forms and file descriptions. The use of the 24-hour system is preferred in international interchange of data as specified in Section 5 of American National Standard X3.43–1977.

Specifications. This standard adopts American National Standard X3.43–1977, Representations of Local Time of the Day for Information Interchange, for Federal use.

Implementation Schedule. This standard becomes effective six months after publication. Federal agencies, based upon their specific operational requirements, will develop procedures for implementing this standard by their operating units and personnel.

Waiver Procedure. Heads of agencies may request that the provisions of this standard be waived in instances where its use would seriously affect the capability of the agency in performing its operational mission. Such waiver requests will be reviewed and approved by the Secretary of Commerce. Correspondence setting forth the reasons and justification for the waiver should be included in the waiver request.

Forty days should be allowed for review and response by the Secretary of Commerce. Waiver requests shall be submitted to the Secretary of Commerce, Washington, D.C. 20230, and labeled as a Request for Waiver to a Federal Information Processing Standard. No action will be taken by the agency to deviate from the standard prior to the receipt of a waiver approval response from the Secretary of Commerce.

Where To Obtain Copies. Copies of this publication are available for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161. (Sale of the included specifications document is by arrangement with the American National Standards Institute.) When ordering, refer to Federal Information Processing Standards Publication 58 (NBS–FIPS–PUB–58), and title. Payment may be made by check, money order, or deposit account. Information concerning current prices and other related standards may be obtained from the NBS Office of ADP Standards Management, Washington, D.C. 20234.