



FEDERAL INFORMATION
PROCESSING STANDARDS PUBLICATION
1980 SEPTEMBER 26

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



**GUIDELINE
FOR
INSPECTION AND QUALITY
CONTROL FOR ALPHANUMERIC
COMPUTER-OUTPUT MICROFORMS**

JK _____
468
.A8A3
NO. 82
1980

**CATEGORY: HARDWARE
SUBCATEGORY: MEDIA**

U.S. DEPARTMENT OF COMMERCE, Philip M. Klutznick, Secretary

Jordan J. Baruch, Assistant Secretary for Productivity,
Technology and Innovation
NATIONAL BUREAU OF STANDARDS, Ernest Ambler, Director

Foreword

The Federal Information Processing Standards Publication Series of the National Bureau of Standards is the official publication relating to standards adopted and promulgated under the provisions of Public Law 89-306 (Brooks Act) and under Part 6 of Title 15, Code of Federal Regulations. These legislative and executive mandates have given the Secretary of Commerce important responsibilities for improving the utilization and management of computers and automatic data processing in the Federal Government. To carry out the Secretary's responsibilities, the NBS, through its Institute for Computer Sciences and Technology, provides leadership, technical guidance and coordination of Government efforts in the development of guidelines and standards in these areas.

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, DC 20234.

James H. Burrows, Director
Institute for Computer Sciences
and Technology

Abstract

This guideline provides basic information on problems associated with generating microforms by computers and describes test procedures to insure that the recorded output is of high quality.

KEY WORDS: Automated data printing; computer-output microforms; Federal Information Processing Standards Publication; form slide; microfilm; quality control.

Nat. Bur. Stand. (U.S.), Fed.Info.Process.Stand.Publ.(FIPS PUB) 82, 4 pages.
(1980)
CODEN:FIPPAT

For sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161.

MAR 30 1981

NDL Acc. - Ref.

JK468

7-A823

no. 92

1980



FIPS PUB 82

Federal Information Processing Standards Publication 82

1980 SEPTEMBER 26

ANNOUNCING THE



Guideline for Inspection and Quality Control for Alphanumeric Computer-Output Microforms

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).

1. Name of Guideline. Guideline for Inspection and Quality Control for Alphanumeric Computer-Output Microforms.
2. Category of Guideline. Hardware, Media.
3. Explanation. This Guideline provides basic information to ensure the generation of quality microforms by computers.
4. Approving Authority. U.S. Department of Commerce, National Bureau of Standards (Institute for Computer Sciences and Technology).
5. Maintenance Agency. U.S. Department of Commerce, National Bureau of Standards (Institute for Computer Sciences and Technology).
6. Applicability. This Guideline is intended to be a basic reference for operators of computer output microform (COM) generating devices throughout the Federal Government. Use of this Guideline will help in the preparation of high quality microforms that can be easily read and economically distributed.
7. Implementation Schedule. Implementation should occur at the earliest possible date to achieve quality microimages. At installations where quality control procedures are now in use, such procedures may be enhanced by considering the corresponding procedures outlined in this Guideline. Such a comparison will help ensure the best possible COM quality with the equipment available.
8. Specification. The specifications are contained in "Practice for Operational Practices/Inspection and Quality Control for Alphanumeric Computer-Output Microforms" MS1-1980 published by National Micrographics Association.
9. Qualifications. This Guideline is not to be considered as an operator's manual. Its purpose is to assist the systems operator to maintain quality images. Manufacturer manuals must be consulted.

FIPS PUB 82

10. Cross Index.

a. FIPS 54, Computer Output Microform (COM) Formats and Reduction Ratios, 16 mm and 105 mm.

b. Federal Property Management Regulations, Title 41, Code of Federal Regulations, Part 101, Subpart 101-11.5, Micrographics.

c. National Micrographics Association MS23-1979, Practice for Operational Procedures/Inspection and Quality Control of First Generation Silver-Gelatin Microfilm of Documents.

11. Where to Obtain Copies. Copies of this publication are 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 National Micrographics Association and American National Standards Institute.) When ordering, refer to Federal Information Processing Standards Publication 82 (FIPS-PUB-82), and title. Payment may be made by check, money order, or deposit account.