

§ 1230.10

(b) Manage the microform records as part of other records and information resources management programs of the agency.

(c) Include microform records management objectives, responsibilities, and authorities in pertinent agency directives and disseminate them to appropriate officials.

(d) Address records management issues, including disposition, before approving new microform records systems or enhancements to existing systems.

(e) Train the managers and users of microform records.

(f) Develop records schedules covering microform records and finding aids, secure NARA approval, and apply the disposition instructions.

(g) Schedule computerized indexes associated with microform records, such as in a computer-assisted retrieval (CAR) system, in accordance with part 1234 of this chapter.

(h) Review practices used to create and manage microform records periodically to ensure compliance with NARA standards in this part.

Subpart C—Microfilming Standards

§ 1230.10 Do agencies need to request NARA approval for the disposition of all microform and source records?

(a) *Permanent or unscheduled records.* Agencies must schedule both source documents (originals) and microforms. NARA must approve the schedule, Standard Form (SF) 115, Request for Records Disposition Authority, in accordance with part 1228 of this chapter before any records, including source documents, can be destroyed. NARA will not approve the destruction of original records that have intrinsic value, or security classified or otherwise restricted original records that are scheduled as permanent, or original records that are scheduled as permanent and that have other characteristics that would limit the usefulness of microform copies for public reference.

(1) Agencies that comply with the standards in § 1230.14 must include on the SF 115 the following certification: “This certifies that the records de-

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scribed on this form were (or will be) microfilmed in accordance with the standards set forth in 36 CFR part 1230.”

(2) Agencies using microfilming methods, materials, and procedures that do not meet the standards in § 1230.14(a) must include on the SF 115 a description of the system and standards used.

(3) When an agency intends to retain the silver original microforms of permanent records and destroy the original records, the agency must certify in writing on the SF 115 that the microform will be stored in compliance with the standards of § 1230.20 and inspected as required by § 1230.22.

(b) *Temporary records.* Agencies do not need to obtain additional NARA approval when destroying scheduled temporary records that have been microfilmed. The same approved retention period for temporary records is applied to microform copies of these records. The original records can be destroyed once microfilm is verified, unless legal requirements prevent their early destruction.

§ 1230.12 What are the steps to be followed in filming records?

(a) Ensure that the microforms contain all information shown on the originals and that they can be used for the purposes the original records served.

(b) Arrange, describe, and index the filmed records to permit retrieval of any particular document or component of the records. Title each microform roll or fiche with a titling target or header. For fiche, place the titling information in frame 1 if the information will not fit on the header. At a minimum, titling information must include:

- (1) The title of the records;
- (2) The number or identifier for each unit of film;
- (3) The security classification, if any; and
- (4) The name of the agency and organization the inclusive dates, names, or other data identifying the records to be included on a unit of film.

(c) Add an identification target showing the date of filming. When necessary to give the film copy legal standing,

the target must also identify the person who authorized the microfilming. See ANSI/AIIM MS19-1993 for standards for identification targets.

(d) The following formats are mandatory standards for microforms:

(1) *Roll film.* (i) *Source documents.* The formats described in ANSI/AIIM MS14-1996 must be used for microfilming source documents on 16mm and 35mm roll film. A reduction ratio no greater than 1:24 is recommended for typewritten or correspondence types of documents. See ANSI/AIIM MS23-1998 for the appropriate reduction ratio and format for meeting the image quality requirements. When microfilming on 35mm film for aperture card applications, the format dimensions in ANSI/AIIM MS32-1996, Table 1 are mandatory, and the aperture card format "D Aperture" shown in ANSI/AIIM MS41-1996, Figure 1, must be used. The components of the aperture card, including the paper and adhesive, must conform to the requirements of ANSI/PIMA IT9.2-1998. The 35mm film used in the aperture card application must conform to film designated as LE 500 in ANSI/NAPM IT9.1-1996.

(ii) *COM.* Computer output microfilm (COM) generated images must be the simplex mode described in ANSI/AIIM MS14-1996 at an effective ratio of 1:24 or 1:48 depending upon the application.

(2) *Microfiche.* For microfilming source documents or computer generated information (COM) on microfiche, the formats and reduction ratios prescribed in ANSI/AIIM MS5-1992 (R1998) must be used as specified for the size and quality of the documents being filmed. See ANSI/AIIM MS23-1998 for determining the appropriate reduction ratio and format for meeting the image quality requirements.

(e) *Index placement*—(1) *Source documents.* When filming original (source) documents, place indexes, registers, or other finding aids, if microfilmed, either in the first frames of the first roll of film or in the last frames of the last roll of film of a series. For microfiche, place them in the last frames of the last microfiche or microfilm jacket of a series.

(2) *COM.* Place indexes on computer-generated microforms following the data on a roll of film or in the last

frames of a single microfiche, or the last frames of the last fiche in a series. Other index locations may be used only if dictated by special system constraints.

§ 1230.14 What are the filming requirements for permanent and unscheduled records?

(a) *General requirements.* (1) Apply the standards in this section for microfilming of:

(i) Permanent paper records where the original paper record will be destroyed or otherwise disposed of;

(ii) Unscheduled paper records where the original paper record will be destroyed or otherwise disposed of; and

(iii) Permanent and unscheduled original microform records (no paper originals) produced by automation, such as computer output microfilm (COM).

(2) Do not destroy permanent or unscheduled paper records after microfilming without authorization from NARA on a SF 115 (see § 1230.10(a)).

(b) *Film stock standards.* Polyester-based silver gelatin type film that conforms to ANSI/NAPM IT9.1-1996 for LE 500 film must be used in all applications.

(c) *Processing standards.* Microforms must be processed so that the residual thiosulfate ion concentration will not exceed 0.014 grams per square meter in accordance with ANSI/NAPM IT9.1-1996. Follow processing procedures in ANSI/AIIM MS1-1996 and MS23-1998.

(d) *Quality standards*—(1) *Resolution*—

(i) *Source documents.* Determine minimum resolution on microforms of source documents using the method in the Quality Index Method for determining resolution and anticipated losses when duplicating, as described in ANSI/AIIM MS23-1998 and MS43-1998. Perform resolution tests using a ISO 3334-1991 Resolution Test Chart or a commercially available certifiable target manufactured to comply with this standard, and read the patterns following the instructions of ISO 3334-1991. Use the smallest character used to display information to determine the height used in the Quality Index formula. A Quality Index of five is required at the third generation level.