

the United States within 5–10 years after creation (see also 36 CFR part 1235). See § 1235.42 of this subchapter for specifications and standards for transfer to the National Archives of the United States of audiovisual, cartographic, and related records.

§ 1237.16 How do agencies store audiovisual records?

Agencies must maintain appropriate storage conditions for permanent, long-term temporary or unscheduled audiovisual records:

(a) Ensure that audiovisual records storage facilities comply with 36 CFR part 1234.

(b) For the storage of permanent, long-term temporary, or unscheduled records, use audiovisual storage containers or enclosures made of non-corroding metal, inert plastics, paper products and other safe materials recommended in ISO 18902 and ISO 18911 (both incorporated by reference, see § 1237.3);

(c) Store originals and use copies (*e.g.*, negatives and prints) separately, whenever practicable. Store distinct audiovisual record series separately from textual series (*e.g.*, store poster series separately from other kinds of agency publications, or photographic series separately from general reference files). Retain intellectual control through finding aids, annotations, or other descriptive mechanisms;

(d) Store series of permanent and unscheduled x-ray films, *i.e.*, x-rays that are not interspersed among paper records (case files), in accordance with § 1238.20 of this subchapter. Store series of temporary x-ray films under conditions that will ensure their preservation for their full retention period, in accordance with ANSI/PIMA IT9.11–1993 (incorporated by reference, see § 1237.3);

(e) Store posters and similar graphic works in oversize formats, in map cases, hanging files, or other enclosures that are sufficiently large or flexible to accommodate the records without rolling, folding, bending, or other ways that compromise image integrity and stability; and

(f) Store optical disks in individual containers and use felt-tip, water-based markers for disk labeling.

§ 1237.18 What are the environmental standards for audiovisual records storage?

(a) *Photographic film and prints.* The requirements in this paragraph apply to permanent, long-term temporary, and unscheduled audiovisual records.

(1) *General guidance.* Keep all film in cold storage following guidance by the International Organization for Standardization in ISO 18911 (incorporated by reference, see § 1237.3). See also ISO 18920 (incorporated by reference, see § 1237.3).

(2) *Color images and acetate-based media.* Keep in an area maintained below 40 degrees Fahrenheit with 20–40% relative humidity to retard the fading of color images and the deterioration of acetate-based media.

(b) *Digital images on magnetic tape.* For digital images stored on magnetic tape, keep in an area maintained at a constant temperature range of 62 degrees Fahrenheit to 68 degrees Fahrenheit, with constant relative humidity from 35% to 45%. See also the recommendations in ISO 18923 (incorporated by reference, see § 1237.3); and the requirements for electronic records storage in 36 CFR 1236.28.

(c) *Digital images on optical media.* For permanent, long-term temporary, or unscheduled digital images maintained on optical media (*e.g.*, CDs, DVDs), use the recommended storage temperature and humidity levels stated in ISO 18925 (incorporated by reference, see § 1237.3).

§ 1237.20 What are special considerations in the maintenance of audiovisual records?

Agencies must:

(a) Handle audiovisual records in accordance with commonly accepted industry practices.

(b) Protect audiovisual records, including those recorded on digital media or magnetic sound or video media, from accidental or deliberate alteration or erasure.

(c) If different versions of audiovisual productions (*e.g.*, short and long versions or foreign-language versions) are prepared, keep an unaltered copy of each version for record purposes.

(d) Link audiovisual records with their finding aids, including captions

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and published and unpublished catalogs, inventories, indexes, and production files and similar documentation created in the course of audiovisual production. Establish and communicate agency-wide, clear captioning standards, procedures, and responsibilities.

(e) Maintain current and accessible documentation identifying creators of audiovisual products, their precise relationship to the agency, and the nature and status of copyright or other rights affecting the present and future use of items acquired from sources outside the agency. (See §1222.32 of this subchapter for requirements to ensure agency ownership of appropriate contractor produced records.)

(f) Create unique identifiers for all audiovisual records (*e.g.*, for digital files, use file naming conventions), that clarify connections between related elements (*e.g.*, photographic prints and negatives, or original edited masters and dubbing for video and audio recordings), and that associate records with the relevant creating, sponsoring, or requesting offices.

(g) Maintain temporary and permanent audiovisual records separately.

(h) Require that personnel wear white lint-free cotton (or other approved) gloves when handling film.

§ 1237.22 What are special considerations in the storage and maintenance of cartographic and related records?

Agencies must:

(a) Maintain permanent and unscheduled cartographic, architectural, and engineering records in an environment that does not exceed 70 degrees Fahrenheit and with relative humidity under 50%.

(b) Create an identification scheme for each series and assign unique identification designations to each item within a series.

(c) Maintain lists or indexes for each series with cross-references to related textual records.

(d) Avoid interfiling separate series of maps, charts, or drawings, and file permanent cartographic and architectural records separately from temporary series unless hand-corrected versions have been systematically filed

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with other published maps in a central or master file.

(e) Avoid rolling and folding maps and drawings. Store permanent maps and drawings flat in shallow drawer map cases in acid-free folders.

(f) Do not laminate original oversize records. Consult the National Archives and Records Administration, Preservation Programs, (NWT), 8601 Adelphi Road, College Park, MD 20740, phone number (301) 837-1785 for preservation, storage, and treatment options.

§ 1237.24 What are special considerations for storage and maintenance of aerial photographic records?

(a) Mark each aerial film container with a unique identification code to facilitate identification and filing.

(b) Mark aerial film indexes with the unique aerial film identification codes or container codes for the aerial film that they index. Also, file and mark the aerial indexes in such a way that they can easily be retrieved by area covered.

§ 1237.26 What materials and processes must agencies use to create audiovisual records?

Agencies must:

(a) For picture negatives and motion picture preprints (negatives, masters, and all other copies) of permanent, long-term temporary, or unscheduled records, use polyester base media and process in accordance with industry standards as specified in ISO 18906 (incorporated by reference, see §1237.3).

(1) Ensure that residual sodium thiosulfate (hypo) on newly processed black-and-white photographic film does not exceed 0.014 grams per square meter.

(2) Require laboratories to process film in accordance with this standard. Process color film in accordance with the manufacturer's recommendations.

(3) If using reversal type processing, require full photographic reversal; *i.e.*, develop, bleach, expose, develop, fix, and wash.

(b) Avoid using motion pictures in a final "A & B" format (two precisely matched reels designed to be printed together) for the reproduction of excerpts or stock footage.

(c) Use only industrial or professional video and audio recording equipment,