
**Information and documentation —
Collections management for archives
and libraries**

*Information et documentation — Gestion des collections pour les
archives et les bibliothèques*

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Contents

	Page
Foreword	vi
Introduction	vii
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Preservation in collections management	5
4.1 Collections management practices	5
4.1.1 General	5
4.1.2 Training of staff	6
4.1.3 Training of external users	6
4.2 Preservation policy	6
4.2.1 General	6
4.2.2 Documenting policies and procedures	6
4.2.3 Record and transfer of ownership	7
4.2.4 Ownership marking	7
4.3 Preservation planning	9
4.3.1 General	9
4.3.2 Avoidance of hazards	9
4.3.3 Preservation risk management cycle	10
4.3.4 Documentation for preservation planning	11
4.4 Emergency preparedness and response plan for collections	12
4.4.1 General	12
4.4.2 Emergency preparedness plan	12
4.5 Security of archive and library collections	12
4.5.1 General	12
4.5.2 Security plan	13
4.5.3 Security during transport and loan	13
4.5.4 Documentation of loans and transfers	14
5 Collections storage preservation environment	14
5.1 Overview	14
5.2 Managing the collections storage preservation environment	14
5.2.1 General	14
5.2.2 Monitoring the environment	14
5.2.3 Controlling light exposure	15
5.3 Preventive environmental measures	15
5.3.1 General	15
5.3.2 Exclude exterior sources of pollution	15
5.3.3 Manage internal sources of pollution	16
5.4 Integrated pest management	16
5.4.1 General	16
5.4.2 Preventing pest infestation	16
5.5 Cleaning of collections storage areas	17
5.6 Time out of storage	18
5.7 Other environments for collections	18
6 Shelving for archive and library collections	19
6.1 Shelf planning	19
6.1.1 General	19
6.1.2 Basic recommendations for shelving	19
6.1.3 Arrangement of runs	21
6.1.4 Gangways and aisles	21
6.1.5 Materials used in shelving	21
6.2 Shelf design	22

6.2.1	General	22
6.2.2	Uprights	22
6.2.3	Access	22
6.2.4	Bracing	22
6.3	Mobile shelving	23
6.3.1	Construction	23
6.3.2	Movement of runs	23
6.3.3	Stability	24
6.3.4	Load warning notices and shelf usage	24
6.3.5	Fire control	25
6.4	Storage for oversize documents	25
6.4.1	General	25
6.4.2	Storage area	25
6.4.3	Risk of strain and distortion	25
6.4.4	Unrolled horizontal storage	25
6.4.5	Cabinets for oversized documents	25
6.4.6	Vertical storage for oversized documents	26
6.5	Rolled documents	26
6.5.1	General	26
6.5.2	Cantilever shelving	26
6.6	Oversize or heavy-bound volumes	27
6.7	Cupboards and chests	27
7	Collections maintenance	27
7.1	General	27
7.2	Packaging paper, parchment, bound volumes and other traditional archive and library collections	28
7.2.1	General	28
7.2.2	Loose sheets	29
7.2.3	Oversize documents	29
7.2.4	Rolled documents	29
7.2.5	Other traditional archive collections	30
7.2.6	Bound volumes	30
7.2.7	Seals and lead bullae	30
7.3	Packaging of analogue photographic material and audiovisual media	31
7.3.1	Paper-based photographs	31
7.3.2	Glass plate negatives and slides	31
7.3.3	Photographic sheet film negatives	31
7.3.4	Microfilm	32
7.3.5	Moving image film	32
7.4	Machine-readable documents	33
7.4.1	General	33
7.4.2	Magnetic media	33
7.4.3	Gramophone records	34
7.4.4	Sound cylinders	34
7.5	Electronic media	35
7.5.1	General	35
7.5.2	Optical discs	35
8	Treatments and reformatting	36
8.1	General	36
8.2	Mould removal	37
8.3	Disinfestation of collections	37
8.4	Deacidification of paper	38
8.5	Paper strengthening	38
8.6	Binding	38
8.7	Reformatting	38
8.7.1	General	38
8.7.2	Digitization	38

8.7.3	Digitized archive and library collections.....	39
8.7.4	Photocopying.....	40
8.7.5	Microfilming.....	40
Annex A (informative)	Packaging enclosures and materials	41
Annex B (informative)	Exhibition of archives and library collections	48
Bibliography		53

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 46, *Information and documentation*, SC 10, *Requirements for document storage and conditions for preservation*.

Introduction

This document is based on ISO 11799 and BS 5454:2012. It is intended to be used with ISO 11799 and ISO/TR 19815.

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Information and documentation — Collections management for archives and libraries

1 Scope

This document provides guidance and recommendations in the planning, implementation, maintenance and improvement of the preservation of archive and library collections through:

- recommendations and guidance for preservation planning and ongoing management of physical collections in archives and libraries;
- procedures for managing collections in the stacks, research and reading rooms, conservation facilities and while on exhibit and during transportation.
- guidance and recommendations for appropriate enclosures and containers for archive and library collections.

This document applies to preservation of archive and library physical collections of institutions and volumes small and large. It applies to all collections housed by an institution; their own collections and deposits or loans from other institutions. Some information on digital collections, born digital and digitized, for conservation is included for reference.

This document also applies to collections that are being managed by governmental agencies.

This guidance is intended for collections that are being preserved for long-term use.

Collections intended for long-term use need to be managed to mitigate many risks that can cause loss, including catastrophic loss from fire and floods, risks of vandalism and theft, to instability of materials, including acetate film and acidic paper. Collections management addresses the risks from a holistic perspective. It is recognized that compromises are necessary based on, among other factors, the quantity of collections in archives and libraries. The compromises can be managed when the factors of use, significance, vulnerability of the collections and the expertise and best practices from several fields are included in the decision-making process.

This document covers specifically the operations required to manage the collections environment that are relevant to the preservation policy and plan of the institution. This includes the monitoring of climate stability, control of exposure to light, preventive cleanliness measures and cleaning of the collections storage areas.

The conservation treatment of individual items within the collections is not covered in this document.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

accessioning

action of adding *document* (3.8) or group of documents to the collections of an information and documentation organization

[SOURCE: ISO 5127:2001, 4.1.2.16, modified.]

3.2

archival-quality material

material that does not cause harm or reduced life expectancy when in contact with other *items* (3.16)

[SOURCE: SAA Glossary — A Glossary of Archival and Records Terminology]

3.3

archive

organization or part of an organization responsible for selection, acquisition, *preservation* (3.21) and availability of one or more *archives* (3.4)

[SOURCE: ISO 5127:2001, 3.1.02]

3.4

archives

records of the same provenance accumulated by an organization or person in the course of the conduct of affairs and preserved because of their enduring value

[SOURCE: ISO 5127:2001, 3.1.01]

3.5

collection

gathering of *documents* (3.8) assembled on the basis of some common characteristics without regard to their provenance

[SOURCE: ISO 5127:2001, 3.1.07]

3.6

conservation

intervention techniques applied to prevent, arrest or delay *deterioration* (3.7) of a *document* (3.8)

[SOURCE: ISO 5127:2001, 6.1.03]

3.7

deterioration

gradual degradation and possible ultimate destruction of materials arising from damaging inherent properties or interaction with environmental influences

[SOURCE: ISO 5127:2001, 6.1.13]

3.8

document

recorded information or material object which can be treated as a unit in a documentation process

Note 1 to entry: Documents can differ in form and characteristic.

[SOURCE: ISO 5127:2001, 1.2.02]

3.9

dry-stamping

embossed mark for security

3.10**hazard**

source of potential harm

[SOURCE: ISO Guide 73:2009, 3.5.1.4]

3.11**memory organization**

institution involved in the *collection* (3.5) and *preservation* (3.21) of cultural information, such as a *library* (3.17), *archive* (3.3) or museum that is itself together with its collections, established as a permanent entity

[SOURCE: ISO 27730:2012, 3.6]

3.12**holdings**

totality of materials in the custody of an information and documentation organization

Note 1 to entry: Holdings includes all types of materials kept in archives and libraries regardless of their physical format, mainly books, manuscripts, files, maps, seals and graphic collections and other documents consisting of paper, but also parchment, papyrus, films, photographic materials, audiovisual recordings, magnetic and optical media and materials such as stone, metal, wax, textiles. (Partial source ISO 11799)

[SOURCE: ISO 5127:2001, 3.1.13, modified — Note 1 to entry has been added.]

3.13**collections management**

activities to stabilize materials for long-term storage by placing materials in appropriate housings and environments

Note 1 to entry: Collections management includes ensuring materials are in containers, that the documents are supported within containers and that fragile documents have individual enclosures for additional protection.

Note 2 to entry: Collections management also includes all aspects of the storage environment, including temperature, humidity and shelving.

[SOURCE: Partial source SAA Glossary — A Glossary of Archival and Records Terminology]

3.14**collections maintenance**

actions taken to prepare collections for storage and for use (e.g. packaging)

3.15**housing**

actions to enclose collections in *packaging* (3.19) before they are placed in storage

Note 1 to entry: Housing is an action in collections maintenance.

3.16**item****archive or library item**

smallest intellectually indivisible unit (e.g. a letter, memorandum, report, photograph, sound recording, book, graphic or map)

[SOURCE: ISO 5127:2001, 2.1.13, modified.]

3.17**library**

organization or part of an organization the main aim of which is to facilitate the use of such information resources, services and facilities as are required to meet the informational, research, educational, cultural or recreational needs of its users

[SOURCE: ISO 5127:2001, 3.1.03]

3.18

ownership mark

unique identifying mark made on each *item* (3.16) by the owner

3.19

packaging

layer of protection for *items* (3.16)

Note 1 to entry: Examples include a box, folder and envelope.

Note 2 to entry: Packaging should protect the items from light and pollutants. It also provides some protection from physical damage, pests and moderate changes in temperature or humidity.

3.20

powder-coating

protective and decorative coating formed by the application of a coating powder to a substrate and fusion (and curing if necessary) to give a continuous film

[SOURCE: ISO 8130]

3.21

preservation

all measures taken including financial and strategic decisions to maintain the integrity and extend the life of *documents* (3.8) or collections

[SOURCE: ISO 5127:2001, 6.1.01]

3.22

preventive conservation

measures and actions aimed at avoiding and minimizing future *deterioration* (3.7), damage and loss

Note 1 to entry: Generally indirect measures or actions.

[SOURCE: EN 15898:2011, 3.3.5, modified.]

3.23

radio frequency identification

RFID

electronic device used for security and tracking

3.24

record

document (3.8) created or received and maintained by an agency, organization or individual in pursuance of legal obligations or in the transaction of business

[SOURCE: ISO 5127:2001, 2.2.1.08]

3.25

reformatting

action to create a copy with a format or structure different from the original especially for *preservation* (3.21) or access

[SOURCE: SAA Glossary — A Glossary of Archival and Records Terminology]

3.26

restoration

actions taken to return a *document* (3.8) which has suffered *deterioration* (3.7) or damage as closely as practicable to its original state

[SOURCE: ISO 5127:2001, 6.1.04]

3.27**reversibility**

quality of a *conservation* (3.6) *treatment* (3.31) which would allow the *document* (3.8) to be returned to its pre-treated state without damage

Note 1 to entry: Ethical principle within conservation; often difficult, but a consideration in the decision-making before treatment.

3.28**risk**

effect of uncertainty on objectives

Note 1 to entry: Risk is often characterized by potential events and consequences or a combination of these.

Note 2 to entry: Risk is often expressed in terms of a combination of the consequences of an event (including change in circumstances) and the associated likelihood of occurrence.

[SOURCE: ISO 31000:2009, 2.1, modified.]

3.29**risk management**

coordinated activities to direct and control an organization with regard to *risk* (3.28)

[SOURCE: ISO 31000:2009, 2.2]

3.30**storage area**

area of the information and documentation organization where the collections are kept under controlled conditions

3.31**treatment**

direct action carried out on an *item* (3.16) or collections for *conservation* (3.6)

3.32**vulnerability**

intrinsic properties of something resulting in susceptibility to a *risk* (3.28) source that can lead to an event with consequence

[SOURCE: ISO Guide 73:2009, 3.6.1.6]

4 Preservation in collections management

4.1 Collections management practices

4.1.1 General

Preservation planning and policies are fundamental to the mission and strategic plan of preserving collections in archives, libraries and other cultural institutions. Collections management is integrated into the goals and objectives of the institution through preservation policies and preservation planning.

Written collections management procedures are essential to achieving the preservation plan in archives and libraries, ensuring consistency of procedures followed by staff throughout the institution.

Scientific and technical exchanges with other sectors of heritage preservation are advisable to avoid redundant preservation activities.

4.1.2 Training of staff

All staff responsible for the preservation and use of collections in archives, libraries and other cultural institutions should be informed about their role and the principles of preservation of the materials and types of collections in their care.

Each employee should be instructed and trained in the implementation of the collections emergency plan.

Those responsible for supervising others in the care of collections should have dedicated training in collections management to define the preservation needs of collections, define priority actions and to prepare and implement a preservation plan.

This training may include knowledge of heritage legislation, the standards that apply to the preservation of the collections in their care, the doctrine and professional preservation techniques and practices.

The training and experience of the staff should be relevant to the types of materials in the collections and significance of the collections. The training and experience should include techniques for individual and collective treatments of the appropriate collections. Training in chemical or biological health risks from treatment of collections should also be included.

Continuing training regarding preservation should be included in the preservation plan.

4.1.3 Training of external users

The public, contractors, volunteers and others who handle collections items should be provided with simple information and/or training on preservation and guidelines for handling collections. This may be done through signage or information provided where collections are being handling.

4.2 Preservation policy

4.2.1 General

Formal preservation policies are fundamental to collections management. The purpose of the preservation policies is to ensure that all staff and managers are aware of their preservation responsibility. Preservation policy guides all staff and managers in appropriate actions that ensure the preservation of collections based on specialized knowledge provided by the preservation profession. Guidance that accompanies the policy may explain impacts and consequences of deviation from the policy.

Preservation policies may include: regulations for security and handling of collections, exhibition and loan regulations, transportation regulations, operational rules for collections storage locations, including policies related to cleaning. Additionally, decisions about acquisition, transfer and loans and conservation should adhere to the preservation policy of the institution.

NOTE Policies that avoid smoking, eating and drinking in any area where collections are stored or used is a primary restriction. Smoking leaves tar and nicotine deposits. Food and drink attract insects and rodents, leave residues that cause surface contamination and pose a direct threat to the collections and equipment if spilled.

4.2.2 Documenting policies and procedures

Written collections management procedures are essential to achieving the preservation plan in archives and libraries by ensuring consistency of procedures followed by staff throughout the institution. It is advisable that these procedures are documented in policies or guidance and maintained permanently.

Preservation documentation should include decisions made that may impact the preservation of the collections.

The documentation should specify the date, the name of the person taking the decision and under which authority the procedures of recording, transfer, loan, preservation or conservation are taken.

The record of actions that impact the preservation of the collections may include:

- a) documentation of receipt/accessioning/cataloguing, location transfers, or deaccessioning decisions according to institutional policy or regulations;
- b) documentation of conservation treatments and preservation actions, including treatments for mould or disinfestations and loans and exhibition times and locations for individual items;
- c) documentation of preservation actions including environmental data, specifications for materials used in contact with collections.

4.2.3 Record and transfer of ownership

Information relevant to the acquisition or transfer of collections is kept in a file relative to the collections.

All items being received into the collections should be inventoried, clearly identified and described, with condition information about its state of preservation and location information.

Pre-existing numbers, shelf locations, or inventory numbers should not be removed.

The identification and the description of a document should use the rules and controlled vocabularies relevant to the institution.

Significant items received into the collections, based on the mission, historical or acquisitive value should be identified and provided with appropriate condition assessment and security protection.

It is recommended that significant items be transferred with a signature in any movement or transfer of responsibility.

A list of these significant items may be maintained in a secure location for emergency response planning and to ensure that security protections are maintained, with the list jointly verified annually, or when a change in management occurs.

It is recommended that heritage collections be regularly inspected and inventoried in whole or in part. This may be combined with a condition assessment.

The inspection, or inventory, should be endorsed by at least two people.

4.2.4 Ownership marking

4.2.4.1 General

It is advisable that institutions prepare written documentation of policies on ownership marking unique identifying marks on each item and provide training to all staff who work with the collections.

Traditional collecting practices have often included ownership marking of items. The two reasons given for ownership marking are to deter theft and to establish ownership if the item is recovered.

Ownership marking is advisable, particularly for high use items or items with a risks such as commercial value, items being sent out of the institution on loan and may be required by national regulations.

Options for permanently marking paper-based items include embossing, punching or perforating and ink stamping. Many institutions mark ownership by stamping with indelible ink on the edge or use electronic strips inserted in the spine or text block for theft deterrence for use with exit monitoring. Electronic strips inserted into collections have additional concerns related to adhesives used and the potential for damage to the book structures if inserted into the spine.

It is recognized that the resources required for ownership marking at the item level in an archive or library may be extensive.