

# **BSI Standards Publication**

# Information and documentation – Collections management for archives and libraries



### National foreword

This Published Document is the UK implementation of ISO/TR 19814:2017.

The UK participation in its preparation was entrusted to Technical Committee IDT/2/9, Document preservation.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2018 Published by BSI Standards Limited 2018

ISBN 978 0 539 00366 6

ICS 01.140.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 30 April 2018.

Amendments/corrigenda issued since publication

Date Text affected

PD ISO/TR 19814:2017

# TECHNICAL REPORT

ISO/TR 19814

First edition 2017-07-15

# Information and documentation — Collections management for archives and libraries

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



# PD ISO/TR 19814:2017 **ISO/TR 19814:2017(E)**



### **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Ch. de Blandonnet 8 • CP 401 CH-1214 Vernier, Geneva, Switzerland Tel. +41 22 749 01 11 Fax +41 22 749 09 47 copyright@iso.org www.iso.org

Contents				
Fore	eword		vi	
Intr	oductio	n	vii	
1	Scon	e	1	
2	-			
	Normative references			
3		1		
4		ervation in collections management		
	4.1	Collections management practices		
		4.1.1 General 4.1.2 Training of staff		
		4.1.3 Training of external users		
	4.2	Preservation policy		
		4.2.1 General		
		4.2.2 Documenting policies and procedures		
		4.2.3 Record and transfer of ownership		
	4.2	4.2.4 Ownership marking		
	4.3	Preservation planning 4.3.1 General		
		4.3.2 Avoidance of hazards		
		4.3.3 Preservation risk management cycle		
		4.3.4 Documentation for preservation planning	11	
	4.4	Emergency preparedness and response plan for collections	12	
		4.4.1 General		
	4.5	4.4.2 Emergency preparedness plan Security of archive and library collections		
	4.5	4.5.1 General		
		4.5.2 Security plan		
		4.5.3 Security during transport and loan	13	
		4.5.4 Documentation of loans and transfers	14	
5	Colle	ections storage preservation environment	14	
	5.1	0verview	14	
	5.2	Managing the collections storage preservation environment		
		5.2.1 General		
		5.2.2 Monitoring the environment 5.2.3 Controlling light exposure		
	5.3	Preventive environmental measures		
	0.0	5.3.1 General		
		5.3.2 Exclude exterior sources of pollution	15	
		5.3.3 Manage internal sources of pollution		
	5.4	Integrated pest management		
		5.4.1 General 5.4.2 Preventing pest infestation 5.4.2		
	5.5	Cleaning of collections storage areas		
	5.6	Time out of storage		
	5.7	Other environments for collections		
6	Shelv	ving for archive and library collections	19	
-	6.1	Shelf planning	19	
		6.1.1 General	19	
		6.1.2 Basic recommendations for shelving		
		6.1.3 Arrangement of runs		
		6.1.4 Gangways and aisles 6.1.5 Materials used in shelving		
	6.2	Shelf design		
		<u> </u>	···············-	

		6.2.1 General		
		6.2.2 Uprights	22	
		6.2.3 Access	22	
		6.2.4 Bracing	22	
	6.3	Mobile shelving		
	-	6.3.1 Construction		
		6.3.2 Movement of runs		
		6.3.3 Stability		
		6.3.5 Fire control		
	6.4	Storage for oversize documents		
		6.4.1 General		
		6.4.2 Storage area		
		6.4.3 Risk of strain and distortion		
		6.4.4 Unrolled horizontal storage	25	
		6.4.5 Cabinets for oversized documents	25	
		6.4.6 Vertical storage for oversized documents		
	6.5	Rolled documents		
	0.0	6.5.1 General		
		6.5.2 Cantilever shelving		
	6.6	Oversize or heavy-bound volumes		
	6.7	Cupboards and chests	∠ /	
7	Colle	ections maintenance	27	
	7.1	General		
	7.2	Packaging paper, parchment, bound volumes and other traditional archive and		
	,	library collections	28	
		7.2.1 General		
		7.2.2 Loose sheets		
		7.2.3 Oversize documents		
		7.2.4 Rolled documents		
		7.2.5 Other traditional archive collections		
		7.2.6 Bound volumes		
		7.2.7 Seals and lead bullae		
	7.3	Packaging of analogue photographic material and audiovisual media		
		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		
		7.3.5 Moving image film		
	7.4	Machine-readable documents		
	,	7.4.1 General		
		7.4.2 Magnetic media		
		7.4.3 Gramophone records		
		1		
	7.5	7.4.4 Sound cylinders		
	7.5	Electronic media		
		7.5.1 General		
		7.5.2 Optical discs	35	
8	Trea	tments and reformatting	36	
U	8.1	General		
	8.2	Mould removal		
	_			
	8.3	Disinfestation of collections		
	8.4	Deacidification of paper		
	8.5	Paper strengthening		
	8.6	O .		
	8.7	Reformatting		
		8.7.1 General	38	
		8.7.2 Digitization	38	

### PD ISO/TR 19814:2017 ISO/TR 19814:2017

	Digitized archive and library collections	
8.7.4	1 no co copy mg	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		<b>5</b> 3

#### **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 <a href="www.iso.org/directives">www.iso.org/directives</a>).

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 <a href="https://www.iso.org/patents">www.iso.org/patents</a>).

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: <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>.

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.

# **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 <a href="http://www.electropedia.org/">http://www.electropedia.org/</a>
- ISO Online browsing platform: available at <a href="http://www.iso.org/obp">http://www.iso.org/obp</a>