

Table of Contents

Preface	3
Préface	5
Summary	7
Sommaire	9
Table of Contents	11
 PART I	
Concepts and Strategies	13
Chapter 1	13
1.1 Technology Trends and Electronic Records	13
1.1.1 Characteristics of Early Automation	14
1.1.2 Personal Computing	14
1.1.3 Networking	15
1.2 Organizational Trends and Electronic Record Keeping	16
1.2.1 Relationship of Technology and Organizational Change	16
1.2.2 Trends in Record Keeping	17
1.2.3 Development of Effective Methods and Procedures for Managing Electronic Records	17
1.2.4 Constantly Changing Technology and Applications	18
1.2.5 Changing User Needs and Expectations for Access to Electronic Records	18
1.2.6 Introduction of Electronic Record Keeping and the Increase in Organizational and Technological Interdependencies	18
1.3 Legal Issues and Legislation	19
1.3.1 The Definition of a Record	20
1.3.2 The Acceptance of Electronic Records in Legal Proceedings	20
1.3.3 The Authority of the Archives over Active Records	20
1.3.4 Long Delays in Transfer of Records to Archival Custody	20
1.3.5 Privacy and Access Legislation	21
1.3.6 Alienation of Records from Public Oversight	21
1.4 Conclusions	21
Chapter 2	22
2.1 The Concept of Record and Record Keeping	22
2.2 Electronic Records	23
2.3 The Concept of the Archival Function	25
2.4 Redefined Roles for Archivists and Archival Institutions	28
Chapter 3	29
3.1 The Life Cycle of Electronic Records	30
3.2 Records Creators and Archival Electronic Records	31
3.3 Appraisal	32
3.4 Preservation and Access	34
3.4.1 Preservation	35
3.4.2 Access and Use	35

Chapter 4	Implications for Archives	36
4.1	Legal and Policy Implications	37
4.2	Organizational Implications	38
4.2.1	Mission and Mandate	38
4.2.2	Policies	39
4.2.3	Functions and Activities	39
4.2.4	Human Resources	39
4.2.5	Communications/Public Relations	40
4.2.6	Community Management	40
4.3	Technology Implications	41
PART II		42
Section A	Categories of Electronic Records	43
Chapter 1	Records in a Database Environment	43
1.1	Databases - Content, Structure and Context	43
1.2	Identifying Database Records	44
1.3	Some Principles for Managing Database Records	45
Section B	Methods and Tactics	46
Chapter 1	Preservation	46
1.1	Preservation of Availability	46
1.2	Preservation of Accessibility	47
1.2.1	Preserve the technology on which the records depend	47
1.2.2	Eliminate dependency of the records on specific technology	47
1.2.3	Preserve operational software	48
1.2.4	Preserve visual presentation capability	48
1.2.5	Eliminate inessential dependencies	48
1.3	Preservation of Understandability	49
1.4	Preservation over the Life Cycle Stages	49
1.4.1	The Conception Stage	49
1.4.2	The Creation Stage	50
1.4.3	The Maintenance Stage	50
Chapter 2	Access	51
2.1	Intellectual Control	51
2.2	Methods for Providing Access	52
2.2.1	Copies on Physical Media	53
2.2.2	Delivery Through Telecommunications	53
2.2.3	On-line Access	53
2.3	Responsiveness to Changes	54
2.4	Actions Related to Access over the Life Cycle	54
2.4.1	Conception	54
2.4.2	Creation	54
2.4.3	Maintenance	55