

ISO 11506:2017-07 (E)

Document management applications - Archiving of electronic data - Computer output microform (COM)/Computer output laser disc (COLD)

Contents	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Electronic data archiving	3
4.1 Archiving functions	3
4.2 Functional specifications	3
5 Specifications related to micrographic options	4
5.1 Choice of principles	4
5.2 Choice of microform type	4
6 Specifications related to micrographic recording	4
6.1 Encoding formats	4
6.1.1 General	4
6.1.2 Line mode	5
6.1.3 Image mode	5
6.1.4 Form overlays	5
6.2 Conversion	6
6.2.1 General	6
6.2.2 Conversion of files in line mode	6
6.2.3 Conversion of files in image mode	6
6.3 COM recording process	6
6.3.1 Production parameters	6
6.3.2 Form overlays	6
6.3.3 Data reception	6
6.3.4 Data recording modes	7
6.3.5 Management of production interruptions or problems/faults/errors	8
6.4 Micrographic process	8
6.4.1 General	8
6.4.2 Development system	8
6.4.3 Integrated processing	9
6.4.4 Separate processing	9
6.5 Production control	9
6.6 Duplication of microforms	9
6.7 Microform preservation	9
7 Management of recorded data	10
7.1 General	10
7.2 Identification and indexing of microforms	10
7.2.1 Titles	10
7.2.2 Indexes	10
7.2.3 Segmentation	11
7.2.4 Form overlays	11
7.2.5 Time-stamp	11

7.3	Indexing COM microfiche	12
7.3.1	General	12
7.3.2	Titling	12
7.3.3	Microfiche index page	12
7.4	Indexing 16 mm COM microfilm	12
7.4.1	Titling	12
7.4.2	Index pages	13
7.4.3	Blip generation	13
7.5	Indexing 35 mm COM microfilm	13
7.5.1	Titling	13
7.5.2	Index pages	13
7.6	Indexing COM aperture cards	13
7.6.1	Titling and indexing	13
7.6.2	Punched data	14
8	Evidentiary aspects of COM recording	14
8.1	General	14
8.2	Integrity of recorded data	14
8.2.1	Irreversibility	14
8.2.2	Integrity of COM microfiche and 16 mm and 35 mm COM microfilm	14
8.2.3	Integrity of COM aperture cards	14
8.3	Stamping the microform	14
8.4	Time-stamping	15
9	COM-COLD dual recording	15
9.1	General	15
9.2	Recommended COLD media	15
9.3	Uniqueness of the original data	15
9.4	Parallel production	15
9.5	Similar visual results	15
9.6	Management of data recorded on COLD media	16
9.6.1	Administration	16
9.6.2	Retrieval and display of the data on COLD media	16
9.6.3	Indexing	16
9.6.4	Segmentation of file on COLD media	16
9.6.5	Form overlays	16
9.6.6	Labelling COLD media	16
9.6.7	Time-stamp	16
9.7	Electronic databases	17
9.7.1	General	17
9.7.2	Retrieval and display of database	17
10	Evidentiary aspects of COM-COLD dual recording	17
Annex A (informative)	Archiving electronic data subject to restrictions for privacy reasons on COM microforms	18
Annex B (informative)	COM process and microforms	20
Annex C (informative)	Long-term preservation of silver microforms	26
Annex D (normative)	Microforms created for use as evidence	29
Bibliography		33