

**Code of practice for quality control inspection of 16 mm and 35 mm black and white,
silver-gelatin type microfilm**

AMENDMENT NO. 1

August 2023

1. Page 7, Foreword

Insert the following standards in the list of references:

ISO 3272-2:1994	Microfilming of technical drawings and other drawing office documents Part 2: Quality criteria and control of 35 mm silver gelatin microfilms
ISO 4087:2005	Micrographics – Microfilming of newspapers for archival purposes on 35 mm microfilms
ISO 14648-1:2001	Micrographics – Quality control of COM recorders that generate images using a single internal display system – Part 1: Characteristics of the software test target
ISO 14648-2:2001	Micrographics – Quality control of COM recorders that generate images using a single internal display system – Part 2: Method of use
SS 596:2014	Code of practice for imaging and writing of digital text and drawing documents on 16 mm and 35 mm black and white, silver-gelatin type microfilm for long term preservation – Operating procedures

2. Page 8, Foreword

Insert the following statement before the last paragraph:

Acknowledgement is also made to the following organisations for their contributions:

- National Library Board for reviewing this standard which resulted in confirming the standard with amendment and classifying it as a mature standard.
- Micrographics Data Pte Ltd for assisting in this review.

3. Page 11, 3.22 Technical target

Replace 3.22 with the following:

A target/digital target comprising elements such as test charts, metric reference graduation and reflectance patches, used to evaluate the output image of micrographic system comprising cameras, lenses and a duplicator.

4. Page 14, 4.2.3 Uninterrupted power supply (UPS)

Delete Subclause 4.2.3.

5. Page 15, 4.7 Image quality

- a) *Replace* 'Table 2 gives the minimum quality requirements for microfilms produced in relation to the reduction ratio used.' with 'Refer to Table 2 of ISO 3272-2:1994 for test minimum legibility requirements when using ISO test chart no. 1 and no. 2.'
- b) *Delete* Table 2 – Minimum legibility requirements

6. Page 16, 4.9 Polysulfide treatment

Replace 'This post-processing treatment of films using Brown Toner could help guard against oxidative attack from atmospheric pollutants which cause silver halide microfilm.' with 'Polysulfide treatment of films using polysulfide toner can help guard against oxidative attacks on silver halide microfilms.'

7. Page 16, 5.2 Resolution test

- a) *Replace* 'For test method on resolution, refer to Annex B.' with 'For test method on resolution, refer to Annex B (applicable to microfilm captured using conventional microfilmer).'
- b) *Insert* the following text as the last paragraph:

For microfilm produced using a COM writer, it is critical to use the digital test targets supplied by the manufacturer. The digitally created test target can be written directly onto the microfilm. Refer to ISO 14648 Series for quality control of COM recorders that generate images using a single internal display system.

8. Page 17, 5.3 Density test

Replace 'The contrast and density of all micro-images should be uniform, especially when the camera has an auto-exposure control device.' with 'The recommended background density is between 0.7 to 1.5 depending on the type of documents and equipment used.'

9. Page 17, Table 3

Replace the value for Group 1, under Background density for microfilm produced by digital type archive writer with '1.0 to 1.5'.