



INTERNATIONAL STANDARD ISO 8860-1 : 1987
TECHNICAL CORRIGENDUM 1

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
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**Information processing — Data interchange on 90 mm
(3.5 in) flexible disk cartridges using modified frequency
modulation recording at 7 958 ftprad on 80 tracks on each
side —**

Part 1:
Dimensional, physical and magnetic characteristics

TECHNICAL CORRIGENDUM 1

Traitement de l'information — Echange de données sur cartouches à disquette de 90 mm (3,5 in) utilisant un enregistrement à modulation de fréquence modifiée (MFM) à 7 958 ftprad sur 80 pistes sur chaque face —

Partie 1: Caractéristiques dimensionnelles, physiques et magnétiques
RECTIFICATIF TECHNIQUE 1

Technical corrigendum 1 to International Standard ISO 8860 1:1987 was prepared by ISO/IEC JTC 1, *Information technology*.

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Annexes

Add the following: "F Method for measuring overwrite 23"

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Subclause 6.1.2

Delete "temperature: 10 to 60 °C (50 to 140 °F)" and insert "temperature: 10 °C to 51,5 °C (50 °F to 125 °F)"

Delete "relative humidity: 8 to 80 %" and insert "relative humidity: 20 % to 80 %"

UDC 681.327.63

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Descriptors: data processing, information interchange, data recording devices, magnetic disks, flexible disks, dimensions, physical properties, magnetic properties.

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Subclause 9.3.1.6

Delete the last four lines and insert the following: "shall be less than 150 % of the value of the same ratio for the Master Standard Flexible Disk Cartridge when measured in accordance with annex F."

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Annex F

Insert the following:

Annex F
(normative)

Method for measuring overwrite

F.1 Readings shall be taken with a frequency-selective voltmeter centred on 62,5 kHz with a bandwidth of 1 kHz to 5 kHz at 300 r/min, 125 kHz with a bandwidth of 3 kHz to 5 kHz at 600 r/min.

F.2 Insert the Reference FDC into the test drive, load the heads on Cylinder 00 and run the drive for at least 3 min.

F.3 Erase Track 00 on Side 0, then record at $1f$ for one revolution on Track 00 using the Test Recording Current.

NOTE - a.c. erasure is preferred but not mandatory.

F.4 Read back and note the signal amplitude averaged over an integral number of revolutions.

F.5 Overwrite with $2f$ for one revolution.

F.6 Read back and note the signal amplitude averaged over an integral number of revolutions.

F.7 The overwrite ratio is

$$\frac{\text{residual signal amplitude at } 1f \text{ after overwrite with } 2f}{\text{signal amplitude after first recording with } 1f}$$

F.8 The average of at least 5 such ratios, after correction by the calibration factor, shall not be greater than 0,05 for the test drive.

F.9 Repeat steps F.3 to F.8 for Side 1.

F.10 Repeat F.2 to F.7 for both sides of the cartridge under test.

F.11 For each side of the cartridge under test, the average of at least 5 such ratios shall be less than 150 % of that for the Master Standard Flexible Disk Cartridge.