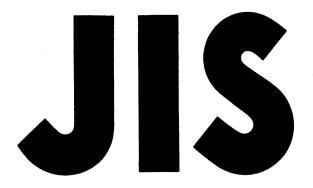
UDC 003.054 : 681.327.12



# JAPANESE INDUSTRIAL STANDARD

# Printing Specifications for Optical Character Recognition

JIS X 9004-1983

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising, the original Standard in Japanese is to be final authority.

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# Printing Specifications for Optical Character Recognition

X 9004-1983

# 1. Scope

This Japanese Industrial Standard specifies the following prescriptions for printing the set of characters to be used for optical character recognition, hereinafter referred to as the "OCR". Here, "characters" shall be as defined in JIS X 9001 and JIS X 9003.

- (1) Optical characteristics of the paper to be used.
- (2) Optical and dimensional characteristics of printed individual OCR characters.
- (3) Basic specifications for the position of OCR characters printed on documents.

# 2. Definitions

The definitions of main terms used in this Standard shall be as follows:

- (1) document An input medium to OCR.
- (2) spectral bands Spectral wavelength ranges provided to specify optical characteristics of OCR paper, ink and printed image.

  There are several spectral bands ranging from near ultraviolet to near infrared wavelengths.
- (3) reflectance The ratio of reflected quantity of light from the measured matter and the perfect reflecting diffuser(1) both of which are set under the same optical conditions.
  - Note (1) In the measurement, a white plate is employed as the white standard, for which, in practice, barium sulfate (BaSO<sub>4</sub>) and others are used.
- (4) stain A portion in the paper used with a reflectance of remarkably lower than its circumference.

# Applicable Standards:

JIS X 9001-Alphanumeric Character Sets for Optical Recognition

JIS X 9003-KATAKANA Character Set for Optical Recognition

Corresponding International Standard:

ISO 1831-1980 Printing Specifications for Optical Character Recognition