

# ISO 1004-1:2013-06 (E)

## Information processing - Magnetic ink character recognition - Part 1: Print specifications for E13B

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
1	Scope .....	1
2	Character configuration .....	1
2.1	Designation .....	1
2.2	Dimensions .....	2
3	Character spacing and alignment .....	2
3.1	Spacing .....	2
3.2	Alignment .....	2
4	Character skew .....	2
5	Character tolerances .....	3
5.1	Dimensions .....	3
5.2	Average edge definition .....	3
5.3	Average edge tolerance .....	3
5.4	Edge irregularity tolerance .....	3
5.5	Extraneous ink -- attached .....	12
5.6	Minimum width of horizontal bars .....	13
6	Voids .....	13
6.1	Maximum allowable single voids .....	13
6.2	Maximum allowable combined voids .....	13
7	Uniformity of ink distribution .....	13
8	Extraneous ink .....	15
8.1	Magnetic .....	15
8.2	Nonmagnetic .....	15
8.3	Extraneous ink front .....	17
8.4	Extraneous magnetic ink back .....	17
9	Debossment .....	17
10	Embossment .....	17
11	Signal level .....	18
11.1	Definition of signal level .....	18
11.2	Nominal signal level .....	18
11.3	Relative signal level .....	18
12	Paper .....	19
13	Format .....	19
13.1	Reference edges .....	19
13.2	Clear band (MICR) .....	33
13.3	Optical clear band .....	33

<b>14</b>	<b>Optical clear band background .....</b>	<b>34</b>
<b>14.1</b>	<b>General .....</b>	<b>34</b>
<b>14.2</b>	<b>Background reflectance .....</b>	<b>34</b>
<b>14.3</b>	<b>Print contrast signal (PCS) -- Magnetic ink printed character .....</b>	<b>34</b>
<b>14.4</b>	<b>Print contrast signal (PCS) -- Within the background .....</b>	<b>34</b>
<b>15</b>	<b>Permanence of MICR printing .....</b>	<b>34</b>
<b>15.1</b>	<b>Permanence specification .....</b>	<b>34</b>
<b>Annex A (informative) Debossment of E-13B font .....</b>		<b>35</b>
<b>Annex B (informative) MICR Document Sampling References .....</b>		<b>36</b>
<b>Annex C (informative) Paper Characteristics for MICR .....</b>		<b>37</b>
<b>Annex D (informative) Unit conversion tables .....</b>		<b>43</b>
<b>Bibliography .....</b>		<b>45</b>