

**ISO/IEC JTC1/SC17/WG1 N**

**INCITS B10.6\_2003-5**

**Title 10373-1, 10373-2, 7811-7 comments**

**Source USA, INCITS B10.6/2003-13**

**Distribution ISO/IEC JTC1/SC17/WG-1**

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**Requested action For consideration at the next meeting**

## 10373-1

### 5.10 Opacity

Include the proposed test method in the working document (submitted in N1180, also N1151 has information) with changes discussed at last WG1 meeting.

## 10373-2

### 5.5 Signal amplitude, Ui6

Change the test method to use the new filter and 50% lookback method with acceptance criteria of 7%. Values with this method produce values that are about 2% higher than the old method.

<ISO Ui6.xls>

## 7811-7

Move to FCD with all comments included and provided that PTB has completed their test apparatus and distribution of initial reference cards.

**Title** Change "High density" to, "40 bits per mm"

**4.17** By this definition of Ba6, the result will be a number around 1 but the comparison in Table 2 is to L1 etc and this is a length. Change definition to:

comparison reference for a given flux transition interval equal to the nominal L1 distance multiplied by the sum of the actual distances for the previous 6 flux transition intervals divided by the sum of the nominal distances for the previous 6 flux transition intervals

**8 Encoding technique.** Delete the first paragraph since it describes F2F encoding. Move "See Figure 8" to the end of the sentence "...conditions are as follows (see Figure 8):"

**9.3 Table 2.** The variation column does not have the correct reference since L1, L2, L3 are not really defined. Change the equations to be:

-20% to +20% of Ba6

-13.3% to +10% of 1.5\*Ba6

-7.5% to +12.5% of 2\*Ba6

In the requirement for Ba, the uin values are not correct. Change to :23 (906) and 25.3 (996).

**9.5 Bit configuration.** Delete the text associated with parity since there is none on each byte.

**10.1.2 Figure 10.** Change "SC" to "FSC"

**10.1.3.2 Table 4.** Give additional information about the capacity for the different card sizes. It might be nice to have some additional information (added last 2 rows and note):

# ISO/IEC JTC1/SC17/WG1 N

Card type	ID-1	ID-2	ID-3
Data capacity (bytes per frame)	17	22	28
Data capacity (bytes per track)	306	396	504
Column parity (bytes)	68	88	112
Track CRC (bytes)	4	4	4
User data capacity (bytes)	234	304	388
Frame capacity (bits)	156.5	196.5	244.5
Track capacity (bits)	2824.5	3544.5	4408.5

Note Frame capacity equals FSC+Frame ID+Data+CRC, Data equals bytes per frame \* bits per byte. Track capacity equals Frames+FSC.

**10.2 Figure 11.** Change CRC subscripts to increment from 1 to 18 (typo errors with many 5's)

**11 Table 5.** Is CP used in the decode process and should it be included in the table?

**12 Figure 12** The minimum and maximum terms are backwards should be:

maximum

minimum

**Annex A** Add a note stating

Note A head used to encode ISO/IEC 7811-7 compliant tracks cannot be used to encode ISO/IEC 7811-6 compliant tracks since the track widths are different. In the same way, a head used to encode ISO/IEC 7811-6 compliant tracks cannot be used to encode ISO/IEC 7811-7 compliant tracks.

**Annex E** Editorial changes to the references:

Reed reference #1 change alorathm to algorithm

Reed reference #3 change date 19589 to 1958

Weldon reference change Codeswith to Codes with