

To: NCITS B10.6 Members
 From: Kevin Tall
 Date: May 2, 2007
 Subject: Extra Pulses - Mag Stripe encoding

We have experienced lately encoded mag stripe cards which possess significant extra pulses on the signal waveform (see next page). These extra pulses can be from previous recording not properly erased by the last encoding, stray magnetic fields from the encode head and/or the magnetic media. The current ISO standards have established a test and requirement for the media's contribution to extra pulses (Table 1), but not for the encoder contributions.

Therefore, I propose, for the next revision of ISO/IEC 7811-2 and -6 to add a sentence to clause 9.3 and a figure before the current figure 10:

Signal peaks can be detected within the zones bounded by 8% to 136% of U_r . See figure 10a.

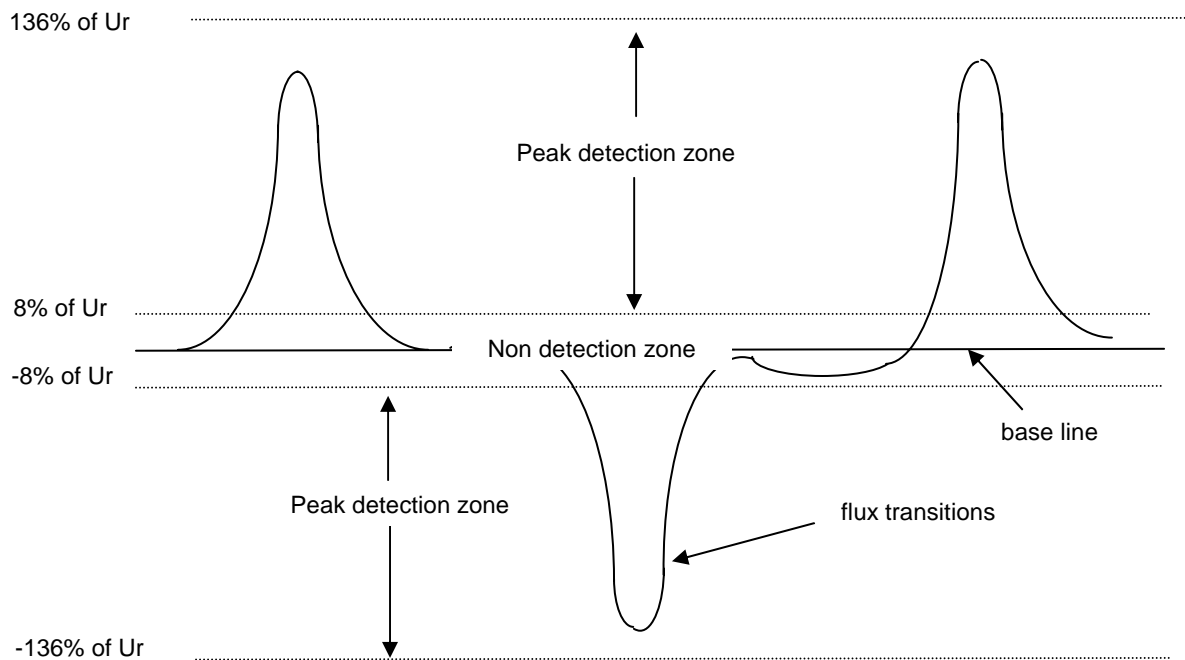


Figure 10a – Peak detection zones

