

**e02004r0.txt**

**From: Andries.Brouwer@cwi.nl**

**Sent: Tuesday, February 12, 2002 1:33 PM**

**To: Pete\_Mclean@maxtor.com; forum@t13.org**

**Subject: Re: [t13] Public review comment on  
ATA/ATAPI-6**

**I have noticed a handful of discrepancies between  
what I read  
in ATA/ATAPI-6 and what a disk from a well-known  
company does.**

**Some of these may be firmware errors, but some  
may be flaws  
in ATA/ATAPI-6.**

**One such discrepancy is the following.**

**I take a disk, larger than 137.4 GB, ask READ NATIVE  
MAX ADDRESS,  
and get 268435454. But on page 52 of d1410r3a.pdf it  
is written  
that "If the native maximum address is greater than  
268,435,455,  
a READ NATIVE MAX ADDRESS command shall  
cause the device to return**

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**a value of 268,435,455". The same is stated in section 8.32.**

**In this case maybe the behaviour of the disk drive is to be preferred over what the standard says: When LBA capacity is returned as 0xFFFFFFFF = 268435455, and READ NATIVE MAX ADDRESS always returns (LBA capacity - 1), then it should really return 268435454 here.**

**Andries**