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FROM: ray_heineman@maxtor.com
DATE: 7/18/94
SUBJECT: Check Power Mode Proposal

The purpose of this proposal is to enhance the Check Power
Mode command.

At the drive level we are continually improving power
management for energy star and battery life requirements.

The Check Power Mode command as defined in the current
specification identifies either a standby mode (00h) or
idle/active mode (FFh).

We have had a number of requests from users to add an
additional power state.

The proposal includes the following:

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Para. 7.3.2. Power Management Commands

The Check Power Mode command allows a host to determine if a
device is currently in, going to or leaving Standby, Idle, or
Active mode.

Para. 8.4. CHECK POWER MODE

If the device is in, going to, or recovering from the Standby,
Idle, or Active mode the device shall set BSY, set the sector
count register to code (XXh), clear BSY, and generate an interrupt.

```
+=========================+
| Code |    Power Mode    |
+------+------------------+
| 00h  |     Standby   |
| 80h  |      Idle        |
| FFh  |     Active       |
+------+------------------+
```

        Table XX - Power Mode Codes

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If at all possible it would be benifical if this proposal could
be included in the ATA2 specification. Maxtor currently supplies
products with this proposal.