MBBS MPF User Manual

General Description and Name

This BBM is used for 3 bad block schemes and multiple partitions. The partition file is organized as a specific format.
The first BBS just skips any bad block and overrides the data. The second BBS is the same as the first one but two block as a unit. The last BBS is similar to other MPF BBM.

Relevant User Options

The following special features on the special features tab apply to this scheme. The default values might work in some cases but please make sure to set the right value according to your system.
Please note only the below special feature items are related to this scheme and ignore any others. If any of below items doesn't exist, please check whether the right version has been installed or contact Data I/O for support by submitting Device Support Request through this address:
http://www.dataio.com/support/dsr.asp

<u>Bad Block Handling Type</u> = "MBBS MPF"

<u>Spare area</u> : Please refer to "Description of common NAND special features.pdf". ***Normally set as " Enabled " for this BBM***.[Default 'Disabled']

<u>PartitionTable File</u> : ***Must set as the partition file for this BBM***. [Default '<skip>']

<u>MBBS: BBS 1 partition</u> : ***The first BBS name for this BBM***. [Default "ubl"]

<u>MBBS: BBS 2 partition</u> : ***The second BBS name for this BBM***. [Default "u-boot"]

Special Notes

The partition file has specified string format. Every line is one partition. The format is:
"start addrss   valid datasize   partition length   partition name"

For example, below is a partition table with ascii string:

```
0x00021000 0x00318000 0x00318000 ubl
0x00339000 0x0035A000 0x003FF000 u-boot
0x00738000 0x00210000 0x00318000 main_kernel
0x00A50000 0x0018C000 0x00210000 mini_kernel
0x00C60000 0x00A50000 0x01CE0000 main_rootfs
0x02940000 0x00528000 0x014A0000 mini_rootfs
0x03DE0000 0x00084000 0x00210000 parameter
```

0x03FF0000 0x00084000 0x00210000 parameter_bak
0x04200000 0x00084000 0x04200000 buffer

Revision History

V1.0   Sep 1, 2011
        Create this spec.

V1.1   Sep 5, 2011
        Fix SF name.

Appendix

You can get the file "Description of common NAND special features.pdf" from
http://ftp.dataio.com/FCNotes/BBM/