Generic Multiple Partition Bad Block Scheme

General Description and Name

Generic Multiple Partition. This scheme is a Generic Multiple Partition scheme. It uses skip method when bad blocks are found within each partition.

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

Please refer to "Description of common NAND special feature.pdf" for more details.

Bad Block Handling Type = "**Generic Multiple Partition**"

Spare Area = Normally set as **"Enable"** for this BBM, ("IMX31" also tested in some cases). [Default 'Disabled']

Check BB marker in dataFile = "**Enable**"
 • This setting is required.

Partition Table File = The path of the partition table file on your PC.

Debug Messages in Eventlog = "On/Off"
 • The level of debugging information printed in the eventlog.txt file. "On" is the recommended selection.

All other features are not used for this scheme.

User Checksum Implications

If this scheme, the TaskLink checksum will be different from the device checksum because of the bad block table that contains possible bad blocks list.

Special Notes

Please set the right value of Spare Area according to your real requirement, especially the image data file that, this value should be "Enabled" if data file contains all the spare area data and, you can only set it as "IMX31" while the data file doesn't contain spare area data.

The unused blocks are padded with "FF".

Revision History
- V 1.0 – 11/02/2009
- V 1.1 – 10/29/2010

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