Materials Required for NEW BBM Development

The materials listed below are required to develop a new Bad Block Management Scheme (BBMS). Lead time for support is affected by the expedient timing with which Data I/O receives all these listed items.

Please note that lead time also depends on the complexity of BBMS required. Complex BBMs may be developed in an iterative process, requiring testing by the customer as new iterations become available.

Materials Required
1. Completed and authenticated Bad-Block Scheme Questionnaire http://ftp.dataio.com/FCNotes/BBM/Bad-Block Scheme Questionnaire Blank.doc
2. Master device* and the data file** used to create master device
3. Eight blank samples
4. Contact information of engineer(s) who understand the technical details of BBM, even if from a third party.
5. ECC source code if Data I/O must perform any ECC calculations to support the BBMS; C/C++ version of the source code is preferred.
6. Device datasheet
7. Reference DSR number on items provided.

* Master device should be programmed by customer's development tools. Master device must be verified by customer as a correctly configured sample. Data I/O's recommendation that the person who validates master device content have software and hardware capabilities to avoid any memory write operations to the Master device during the validation process. Note that in some environments, boot operations to the device can change image content. If image content is changed during the validation of the image of a Master Device, development of the BBMS can have a higher risk of failure.

**Data file should be a single file, absolute binary format preferred.

Sending Documents

Documents should be sent to the following e-mail address:
Specs&SamplesDepartment@DataIO.com

If files are too large to e-mail, they can be uploaded to Data I/O at the following FTP site URL:
http://ftp.dataio.com/FileUpload/Default.asp?EmailTo

Please ship the master device and blank samples to Data I/O at the following address:
(Remember to specify the DSR number as shown by: "DSR#####")

To: Data I/O Corporation
    Samples Department
    Attn: DSR#####
    6464 185th Ave NE
    Redmond, WA 98052

Or

Address in English	Address in Chinese
To: Data I/O Electronics (Shanghai) Co. Ltd	公司：达特电子（上海）有限公司
Samples Department	收件人： 样片部门
Tel: 86-21-58827686	电话： 86-21-58827686
Attn: DSR#####	备注： DSR#####
27F Majesty Building	地址： 上海市浦东新区浦东大道 138 号
138 Pu Dong Avenue	永华大厦 27 楼达特电子
Shanghai 200120, P.R. China	

Please note that Data I/O considers all materials submitted for BBMS support as consumables; therefore, the customer should have no expectations of returned samples upon completion of the DSR.

Appendix

What Data I/O Provides

Data I/O provides the following items upon release of BBMS.

BBM User Manual
User manuals for released BBMs are posted at FTP site URL:
ftp://ftp.dataio.com/FCNotes/BBM/
NOTE: This PDF (link below) provides both vocabulary and definitions of common features available in Data I/O Bad Block Management Schemas. (It resides on the FTP site listed above.)
Description of common NAND special features.pdf

Algorithm Installation File (Data I/O *'Keep Current'* file)
Upon completion of BBMS and the associated DSR, Data I/O will send an e-mail of the availability of the support solution. This e-mail will provide a URL to the associated *Keep Current* file. Please continue to use the associated DSR regarding feedback of the support solution, outcome of testing of the solution, and support questions associated with the solution.

TaskLink for Windows (TLWin) CD
With the purchase of a new Bad Block Management Scheme, you will receive a TLWin CD with Bad Block Management options. Once installed, this version of TLWin enables use of the Bad Block Management Schemes.