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\textbf{SNIA Technical Proposal}

August 29, 2007
# Revision History

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<td>A</td>
<td>8/29/2007</td>
<td></td>
<td>Bill Dawkins</td>
<td>Published as SNIA Technical Proposal.</td>
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Typographical Conventions

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC2119 [http://www.ietf.org/rfc/rfc2119.txt].

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Introduction
This document contains errata to the Common RAID Disk Data Specification Version 1.2.

Section 4.2.4
The $\oplus$ operator is first used in Eq. 3. The following text will be added directly after Eq. 3.

The operator $\oplus$ refers to bit-wise XOR of the operands.

Section 4.2.14
Eq. 42 is incorrect. The equation will be replaced with the following equation:

\[
\text{Eq. 42}
\]
\[
\text{parity}_{\text{block}}(k, p, \ell, i) = \bigoplus_{s=0}^{N-1} \text{extent}_{\text{block}}(k, s, i).
\]

Section 4.2.15
Eq. 48 is incorrect. The equation will be replaced with the following equation:

\[
\text{Eq. 48}
\]
\[
\text{parity}_{\text{block}}(k, p, \ell, i) = \bigoplus_{s=0}^{N-1} \text{extent}_{\text{block}}(k, s, i).
\]

Section 4.2.16
Eq. 54 is incorrect. The equation will be replaced with the following equation:

\[
\text{Eq. 54}
\]
\[
\text{parity}_{\text{block}}(k, p, \ell, i) = \bigoplus_{s=0}^{N-1} \text{extent}_{\text{block}}(k, s, i).
\]

Section 4.2.16
Figure 17 is incorrect. The figure will be replaced with the following figure:
Figure 17: RAID-5EE Rotating Parity N with Data Continuation (PRL=25, RLQ=03)
Section 4.2.21

Section 4.2.21 is deleted. The section is replaced with the following text.

4.2.21 RAID 6 Vendor Specific (PRL=06, RLQ=03)

When the fields of a Configuration Record (Section 5.9) indicate a Primary RAID Level of 06 and a RAID Level Qualifier of 03, the data configuration of the BVD is a vendor unique implementation of RAID 6. Before importing a BVD with this PRL and RLQ, a controller MUST determine if it supports the configuration through a vendor unique method. Future versions of the specification may use the PRL=06, RLQ=03 combination for a defined RAID implementation.