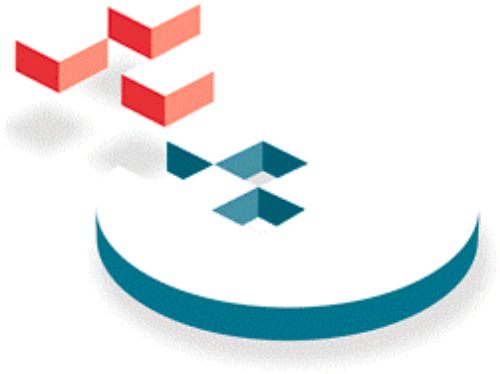

SNIA

Storage Networking Industry Association

Common RAID Disk Data Format Specification 1.2 Errata

Revision A

Publication of this *SNIA Technical Proposal* has been approved by the SNIA. This document represents a stable proposal for use as agreed upon by the Common RAID Disk Data Format Technical Working Group. The SNIA does not endorse this proposal for any other purpose than the use described. This proposal may not represent the preferred mode, and the SNIA may update, replace, or release competing proposals at any time. If the intended audience for this release is a liaison standards body, the future support and revision of this proposal may be outside the control of the SNIA or the Common RAID Disk Data Format Technical Working Group. Suggestion for revision should be directed to the Common RAID Disk Data Format Technical Working Group at ddftwg@snia.org.

SNIA Technical Proposal

August 29, 2007

Revision History

Revision	Date	Sections	Originator:	Comments
A	7/30/2007		Bill Dawkins	Approved by SNIA Technical Council.
A	8/29/2007		Bill Dawkins	Published as SNIA Technical Proposal.

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 ⊕ operator is first used in Eq. 3. The following text will be added directly after Eq. 3.

The operator $\bigoplus$ 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:

Eq. 42

$$\text{parity\_block}(k, p, j) = \bigoplus_{t=0}^{N-1, t \neq p, t \neq h} \text{extent\_block}(k, t, j).$$

Section 4.2.15

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

Eq. 48

$$\text{parity\_block}(k, p, j) = \bigoplus_{t=0}^{N-1, t \neq p, t \neq h} \text{extent\_block}(k, t, j).$$

Section 4.2.16

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

Eq. 54

$$\text{parity\_block}(k, p, j) = \bigoplus_{t=0}^{N-1, t \neq p, t \neq h} \text{extent\_block}(k, t, j).$$

Section 4.2.16

Figure 17 is incorrect. The figure will be replaced with the following figure:

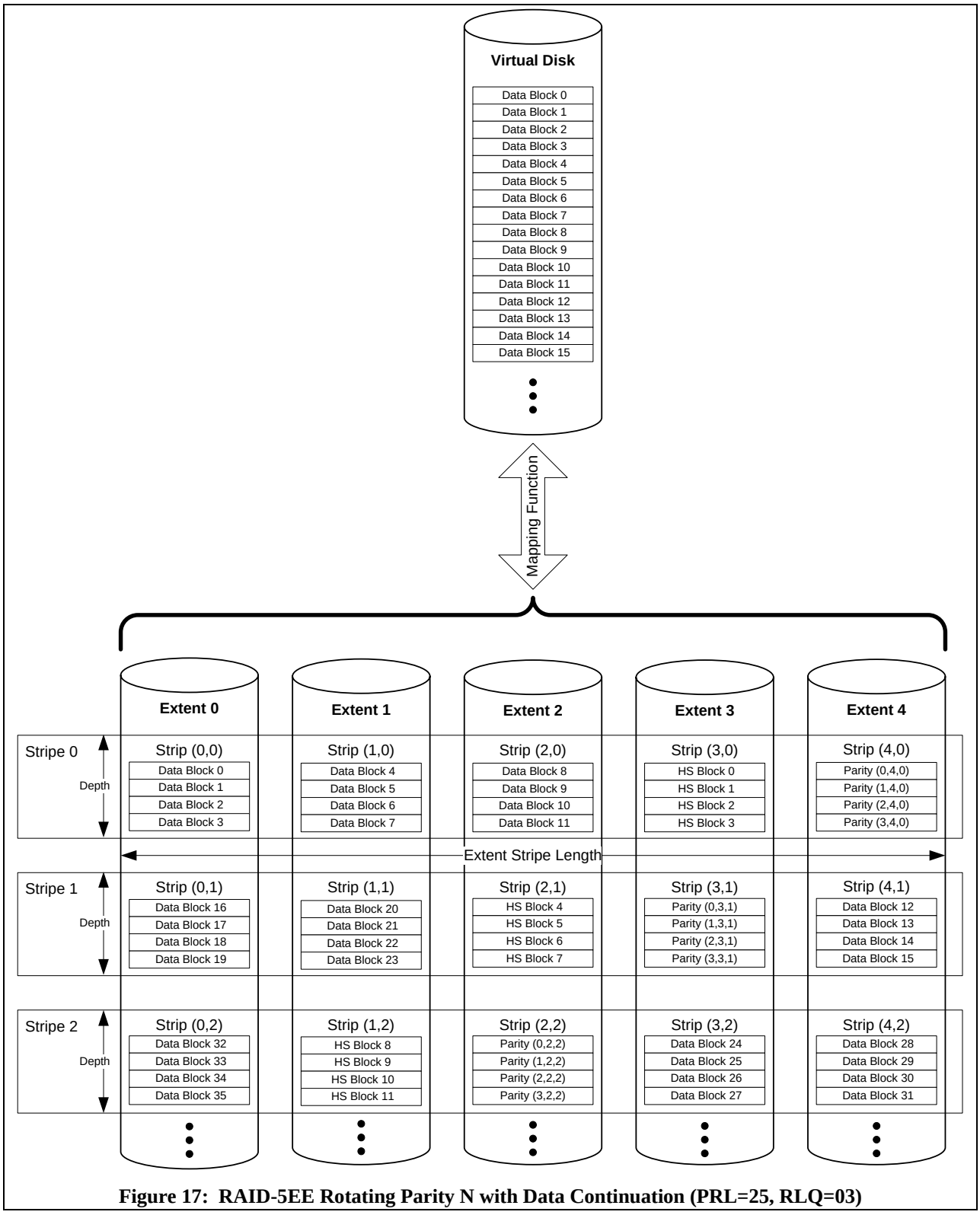

Figure 17: RAID-5EE Rotating Parity N with Data Continuation (PRL=25, RLQ=03)

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.