

# IBM TotalStorage® DS8700 Disk Storage Microcode Bundle 75.15.92.0 Release Note Information

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Date: September 20, 2011

## VRMF Level Data Results:

VRMF level From:	75.15.84.0
VRMF Level To:	75.15.92.0
Report for:	All DS8700

## Code Bundle Contents

This table includes code component reference information.

DS8700 Code Bundle Level	SEA or LMC Version: Used with <i>dscli ver</i> command.	CLI Client Level	Storage Manager Code Level	STAT Tool Level
75.15.92.0	6.5.15.107	6.5.15.107	5.5.15.1115	6.5.15.107

## Overview of new features and functions supported by Microcode Release:

None

**This is a new microcode release only supports the DS8700.**

### Select Modifications Included in this Release Note:

This is a list of some modifications contained across one or more LIC (License Internal Code) or microcode release(s). The potential impact is variable. Specific environments may aggravate or degrade the potential impact.

Problem(s) reported in this release note may not be in higher levels of code bundles.

### Definition of Problem Severity:

1. Acute - An irrecoverable error with potential loss of data.
2. Serious - An irrecoverable error with potential loss of access to data.
3. Moderate - A function not operational and/or performance might be degraded.
4. Service - A recoverable error (no impact) and service improvements.
5. Improvements - Improvement changes for better Usability and Serviceability.

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### **Acute: An irrecoverable error with potential loss of data.**

NONE

### **Serious: An irrecoverable error with potential loss of access to data.**

#### **Serviceable event text uses logical name for power supplies**

- 1. Problem Description:** The serviceable event text uses the logical name of power supplies, PPS0/1 should be PPS1/2. The wrong power supply will be serviced when using SRC BE321319 or BE32131A.
- 2. Potential Impact of Problem:** Loss of access
- 3. Problem Severity:** HIPER
- 4. Pervasive Problem:** No

ID#: 259006

### **Moderate: A system path is not operational and performance might be degraded.**

#### **Unexpected IEA491E message during PPRC Freeze**

- 1. Problem Description:** An IEA491E message is sent due to incorrect handling of a PPRC error code.
- 2. Potential Impact of Problem:** Copy services automation failures
- 3. Problem Severity:** Moderate
- 4. Pervasive Problem:** Yes

ID#: 242479

#### **Adding LUN(s) for iSeries host results in PPRC-XD duplex pending**

- 1. Problem Description:** When adding LUNs to an iSeries host, the format of a new LUN and PPRC relationship can encounter a deadlock. The PPRC-XD relationship will be in a DUPLEX\_PENDING state. Warmstart will reset the control block and correct the deadlock condition caused by a microcode error.
- 2. Potential Impact of Problem:** PPRC relationship stuck in duplex pending
- 3. Problem Severity:** Moderate
- 4. Pervasive Problem:** Yes

ID#: 172111

#### **Host adapter timeout during warmstart causes cluster failover**

- 1. Problem Description:** When a host adapter fails to respond to an internal command during warmstart then recursive warmstart and cluster failover can result. The host adapter should be fenced instead of cluster failover.
- 2. Potential Impact of Problem:** Cluster failover
- 3. Problem Severity:** Moderate
- 4. Pervasive Problem:** Yes

ID#: 253260

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### Service: A recoverable error, Service improvements.

#### Easy Tier statistics can be incorrect due to a microcode error

- 1. Problem Description:** Easy Tier statistic will be wrong for a rank that has "VR" in the serial number.
  - 2. Potential Impact of Problem:** Ranks with "VR" in the serial number are not getting correct extent utilization information for the migration plan.
  - 3. Problem Severity:** Service
  - 4. Pervasive Problem:** No
- ID#: 253019

### Improvements: Improvement for better usability

#### Enable customer notification of DA Sparing

- 1. Problem Description:** When DA Sparing is enabled by the control switch settings a customer notification event will be generated.
  - 2. Potential Impact of Problem:** None
  - 3. Problem Severity:** Improvement
  - 4. Pervasive Problem:** N/A
- ID#: 259464

#### Call home and customer notification of warmstart

- 1. Problem Description:** Call home and email notification to the user when a warmstart occurs can be enabled by IBM support.
  - 2. Potential Impact of Problem:** N/A
  - 3. Problem Severity:** Improvement
  - 4. Pervasive Problem:** N/A
- ID#: 255111

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