IBM TotalStorage® DS8700 Disk Storage
Microcode Bundle 75.15.67.0 Release Note Information

Date: March 29, 2011

VRMF Level Data Results:

VRMF level From:	75.15.59.0
VRMF Level To:	75.15.67.0
Report for:	All DS8700

Code Bundle Contents

This table includes code component reference information.

DS8700 Code Bundle Level	SEA or LMC Version: Used with dscli *ver* command.	CLI Client Level	Storage Manager Code Level	STAT Tool Level
75.15.67.0	6.5.15.90	6.5.15.90	5.5.15.1084	6.5.15.90

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.

IBM TotalStorage® DS8700 Disk Storage
Microcode Bundle 75.15.67.0 Release Note Information

Acute: An irrecoverable error with potential loss of data.

Fence host adapter for SMP mail error
1. **Problem Description:** Mark host adapter as fenced when SMP mail error is detected when in single cluster mode.
2. **Potential Impact of Problem:** Data loss
3. **Frequency of Problem:** Low
ID#: 254572

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

Host commands to undefined LUN ID causes loss of access
1. **Problem Description:** When a host issues a command to a LUN that is not defined to the control unit a microcode error will result in a dual cluster reboot.
2. **Potential Impact of Problem:** Loss of access
3. **Frequency of Problem:** Low
ID#: 252147

Fence RPC card when loss of power master is detected
1. **Problem Description:** When loss of power master due to communication error is detected the RPC card will be fenced during cluster failover.
2. **Potential Impact of Problem:** Loss of access
3. **Frequency of Problem:** Low
ID#: 253407

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

Metro Mirror freeze when FlashCopy issues to Global Mirror primary
1. **Problem Description:** Metro Mirror freeze occurs when FlashCopy to Global Mirror primary devices. When the FlashCopy is copy complete and host issues PRSD 46 to terminate the relationship a microcode error causes a freeze of the Metro Mirror.
2. **Potential Impact of Problem:** Metro Mirror freeze
3. **Frequency of Problem:** Low
ID#: 252355

Concurrent Copy fails with 0F-44 sense
1. **Problem Description:** When a device is part of a suspended XRC session a concurrent copy job will fail with F0-44 sense, indicating the device already belongs to the maximum number of sessions due to a microcode error
2. **Potential Impact of Problem:** Concurrent copy jobs fail
    3. **Frequency of Problem:** Low
ID#: 247267

IBM TotalStorage® DS8700 Disk Storage
Microcode Bundle 75.15.67.0 Release Note Information

Service: A recoverable error, Service improvements.
PPRC sync task encounters track that is "Write in Progress"
1. **Problem Description:** In GM a PPRC sync task encounters a track that has status of Write in Progress and a microcode error causes a warmstart.
2. **Potential Impact of Problem:** Warmstart, no suspend
3. **Frequency of Problem: High**
ID#: 250065

Improvements: Improvement for better usability
NONE

Trademarks and Notices
IBM, ESCON, AIX, FlashCopy, NUMA-Q, DYNIX/PTX, RS/6000, S/390 and AS/400 are
 registered trademarks and FICON, IBM TotalStorage and Enterprise Storage Server are trademarks
of the IBM Corporation. Microsoft, Windows, Windows NT, Windows 2000 and the Windows logo
are trademarks or registered trademarks of Microsoft Corporation in the United States, other
countries, or both. Intel is a registered trademark of Intel. UNIX is a registered trademark of The
Open Group in the United States and other countries. Compaq and Tru64 UNIX are trademarks of
Compaq Computer Corporation in the United States and other countries. Sun, Sun Microsystems
and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States
and other countries. Novell is a registered trademark of Novell, Inc. in the United States and other
countries. Other company, product, and service names may be trademarks or service marks of
others.