The following publications will be updated:

z/OS 3.1   MVS System Messages Volume 6 (GOS-IEA) (SA38-0673)
Changes are highlighted below:

IEA499E dev, volser, epid, ssid, sfiid, message-text.

<update the following message-text, and note >

message-text
One of the following:
• REPOSITORY VOLUME CAPACITY WARNING: AT pcnt% CAPACITY REMAINING
• REPOSITORY VOLUME CAPACITY EXHAUSTED
• EXTENT POOL CAPACITY THRESHOLD: AT pcnt% CAPACITY REMAINING
• EXTENT POOL CAPACITY WARNING: AT pcnt% CAPACITY REMAINING
• EXTENT POOL CAPACITY EXHAUSTED
• EXTENT POOL COMPRESSION CAPACITY THRESHOLD: AT pcnt% CAPACITY REMAINING
• EXTENT POOL COMPRESSION CAPACITY WARNING: AT pcnt% CAPACITY REMAINING
• EXTENT POOL COMPRESSION CAPACITY EXHAUSTED

Note: For Extent Pool message types, the *dev* and *ssid* reflect the device and subsystem used by the storage subsystem to report the message, not necessarily a device and subsystem within the extent pool experiencing the capacity alert. TheLISTDATA command is recommended to determine the capacity of the devices within the extent pool for all logical subsystems.

Example:
LISTDATA VOLSPACE VOLUME(*volser*) UNIT(3390) ALL

z/OS MVS Programming: Authorized Assembler Service Guide (SA23-1371)

Under "ENF event codes and meanings"

Table 1. ENF macro event codes

Under Event code 64

Left Column

Change bars "|" indicate addition

One of the following events occurred
…..

    - Safeguarded Copy Backup Volume
    Consistency Group was removed to reclaim
    space for the volume.
| - Space Efficient Extent Pool has reached a
|- Warning Watermark due to compression
| - Space Efficient Extent Pool space has become
| completely exhausted due to compression

|- Space Efficient Extent Pool physical space
| constraint due to compression is relieved

Right Column, under Out of Space Event

Out of Space Event
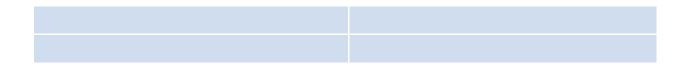X'0300xxxx'
 …
 X'0300000A'
  Safeguarded Copy Backup Volume Consistency
       Group removed to reclaim space for the volume
| x'0300000B' Space Efficient Extent Pool has reached a
| warning watermark due to compression
| x'0300000C' Space Efficient Extent Pool space has become
| completely exhausted due to compression
| x'0300000D' Space Efficient Extent Pool physical space
       constraint due to compression is relieved.

One of the following events occurred:
- The capacity of a storage volume has changed.
- The VTOC or INDEX of a direct access volume has been extended or moved to a new location.
- The VTOC index of a storage volume has been built. The index indicates a direct access volume has changed from an OS format VTOC (OSVTOC) to an indexed format VTOC (IXVTOC).
- The content of the volume has changed due to a full volume copy or restore operation.
- IBM DS8000® recovery scenario occurs either on primary or secondary PPRC disk subsystem. IBM DS8000 signals z/OS on all paths via the Storage Controller Health Message attention status.
- One or more devices in the logical subsystem has a PPRC state change.
- One or more devices in the logical subsystem has a multi-target PPRC state change.
- A full volume FlashCopy® relationship has been established.
- Space Efficient Repository has reached a warning watermark.
- Space Efficient Repository space has become completely exhausted.
- Space Efficient Extent Pool has reached a warning watermark.
- Space Efficient Extent Pool space has become completely exhausted.
- Space Efficient Repository physical space constraint has been relieved.
- Space Efficient Extent Pool physical space constraint has been relieved.
- Safeguarded Copy Backup Volume has reached a warning threshold.
- Safeguarded Copy Backup Volume space has become completely exhausted.
- Safeguarded Copy Backup Volume physical space has been relieved.
- Safeguarded Copy Backup Volume Consistency Group was removed to reclaim space for the volume.
- Space Efficient Extent Pool has reached a warning watermark due to compression
- Space Efficient Extent Pool space has become completely exhausted due to compression
- Space Efficient Extent Pool physical space constraint due to compression is relieved.

The qualifier (QUAL parameter) has the following format:
Byte 1
Type of signal information:
X'01'
Volume event
X'02'
LSS event
X'03'
Out of Space event
Byte 2
Varies with event
Byte 3
Always X'00'
Byte 4
Varies with event
The defined QUAL values are:
Qualifier
Information type
X'0100xxxx'
Volume events
X'01000001'
DASD volume capacity changed
X'01000002'
VTOC updated (moved or extended)
X'01000003'
VTOC index is built
X'01000010'
Volume transformed. This qualifier indicates that the content of the volume, including system data, such as the VTOC, VTOC INDEX, and VVDS, has changed, and the location of these files may have changed.
X'02xxxxxx'
LSS event
X'02010001'
Storage controller health (LSS) event
X'02020001'
Summary (LSS) event - PPRC state change
X'02020002'
Summary (LSS) event - Multi-target PPRC state change
X'0300xxxx'
Out of Space Event
X'03000001'
Space Efficient Repository has reached a warning watermark
X'03000002'
Space Efficient Repository space has become completely exhausted.
X'03000003'
Space Efficient Extent Pool has reached a warning watermark
X'03000004'
Space Efficient Extent Pool space has become completely exhausted.
X'03000005'
Space Efficient Repository physical space constraint has been relieved
X'03000006'
Space Efficient Extent Pool physical space constraint has been relieved
X'03000007'

Safeguarded Copy Backup Volume has reached a warning
threshold.
X'03000008'
Safeguarded Copy Backup Volume has become completely
exhausted.
X'03000009'
Safeguarded Copy Backup Volume physical space constraint
has been relieved.
X'0300000A'
Safeguarded Copy Backup Volume Consistency Group was
removed to reclaim space for the volume.
x'0300000B'
Space Efficient Extent Pool has reached a
warning watermark due to compression.
x'0300000C'
Space Efficient Extent Pool space has become
completely exhausted due to compression
x'0300000D'
Space Efficient Extent Pool physical space
constraint due to compression is relieved.