# The following publications will be updated:

SA38-0674

z/OS: MVS System Messages, Volume 7 (IEB-IEE)

Updated text is marked with | below:

IEE459I (form 3 of 5) hh.mm.ss DEVSERV QDASD [id]

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## ATTRIBUTE/FEATURE

#### **SOLID STATE DRIVES**

The device is a solid state device if q is y.

## **ENCRYPTION**

The device is a encrypted device if q is y.

#### COMPRESSION

The device is a compression volume if q is y.

SC23-6861

z/OS: DFSMSdfp Advanced Services

Chapter 12. User Access to Subsystem Statistics, Status, and Counts

Information

Updated text is marked with | below:

Passed Argument List -- SSGARGL

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MAPPING FOR THE SUBSYSTEM GET OUTPUT BUFFER FOR RANK PERFORMANCE STATISTICS

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| OFFSET<br>DECIMAL | OFFSET<br>HEX | TYPE      | LENGTH | NAME (DIM) | DESCRIPTION   |
|-------------------|---------------|-----------|--------|------------|---|
| 0                 | (0)           | STRUCTURE | *      | SSGRRSTT   | Rank stats entry mapping includes one or more entries for array information                         |
| 0                 | (0)           | UNSIGNED  | 2      | SSGRRID    | Rank identifier   |
| 2                 | (2)           | UNSIGNED  | 2      | SSGRRPNM   | Extent pool number  |
| 4                 | (4)           | UNSIGNED  | 1      | SSGRRCNT   | Count of arrays in rank   |
| 5                 | (5)           | BITSTRING | 1      | SSGRRRTQ   | Rank Type Qualifier   |
|                   |               | 1         |        | SSGRRDER   | Data Encrypted Rank. When '1',<br>the data stored on the physical<br>media (i.e disk) is encrypted. |
| <br>              |               | .1        |        | SSGRRCPR   | Compression Rank. When '1', the data stored on the physical media (i.e disk) may be data reduced.   |

| I   |     |      | xx xxx.       | *  | RESERVED   |  |
|-----|-----|------|---------------|----|------------|--|
|     |     |      | 1             |    | SSGRRAPV   | Adapter Pair ID Valid. When '1', the Adapter Pair ID in      |
|     | _   |      | CWADA CEED    | •  | GGGDDADI   | Bytes 6-7 is valid.  |
|     | 6   | (6)  | CHARACTER     | 2  | SSGRRAPI   | Adapter Pair ID  |
|     | 32  | (20) | CHARACTER     | 24 | SSGRRAR(*) | Array information  |
|     |     |      |               |    |            | Mapping  |
|     | 53  | (35) | BITSTRING     | 1  | SSGRRACS   | Array Device Class and Array<br>Status                       |
|     |     |      | 11            |    | SSGRRADC   | Mask bits for Array Device Class Device Class                |
|     |     |      |               |    |            | '00'b Enterprise   |
|     |     |      |               |    |            | '01'b Enterprise Near-line                                   |
|     |     |      |               |    |            | (An Advanced Technology<br>Attachment (ATA) Drive)           |
|     |     |      |               |    |            | '10'b SATA (Serial Advanced                                  |
|     |     |      |               |    |            | Technology Attachment  |
|     |     |      |               |    |            | (ATA) Drive)   |
|     |     |      | 1             |    | SSGRRAS1   | '11'b Solid State Drive (SSD) Raid Degraded. One or more     |
|     |     |      |               |    | SSGRRASI   | array members need rebuilding                                |
|     |     |      | 1             |    | SSGRRAS2   | DDM Throttling. A Near-line                                  |
|     |     |      |               |    |            | DDM in the array is throttling                               |
|     |     |      |               |    |            | <pre>performance due to temperature or workload.</pre>       |
|     |     |      | 1             |    | SSGRRAS3   | RPM Exception. A DDM with an                                 |
|     |     |      |               |    |            | slower RPM than the normal array DDMs is a member of the     |
|     |     |      |               |    |            | array as a result of a sparing                               |
|     |     |      |               |    |            | sparing action.  |
| ļ.  |     |      | 1             |    | SSGRRAS4   | Flash Storage Type   |
|     |     |      |               |    |            | '0'b Flash Tier 0 '1'b Flash Tier 1 or Flash                 |
| i   |     |      |               |    |            | Tier 2   |
| i   |     |      | 1.            |    | SSGRRAS5   | Compression Drive  |
| ļ.  |     |      |               |    |            | (Compression Flash Tier)                                     |
| !   |     |      | 1.            |    |            | The DDM class is Compression                                 |
| 1   | 54  | (3)  | 6) CHARACTER  | 2  | SSGRRACP   | Not used Array Effective DDM Capacity                        |
| i   | 0.1 | (3)  | o, cimulo1210 | -  | 550144101  | (GB)   |
| l . |     |      |               |    |            | For Compression drives, this                                 |
| !   |     |      |               |    |            | is the Total Logical Capacity. The Total Logical Capacity is |
|     |     |      |               |    |            | the total amount of capacity                                 |
| i   |     |      |               |    |            | that can be written. This is                                 |
| ļ.  |     |      |               |    |            | the total addressable space.                                 |
|     |     |      |               |    |            | Also referred to as total effective capacity. It is the      |
|     |     |      |               |    |            | total Logical Block Addressable                              |
| i   |     |      |               |    |            | (LBA) range.   |
|     |     |      |               |    |            |  |

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# MAPPING FOR THE SUBSYSTEM GET OUTPUT BUFFER FOR EXTENT POOL PERFORMANCE STATISTICS

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|                    | OFFSET  | OFFSET   |  |                |  |   |
|--------------------|---|--|--|----------------|--|---|
|                    | DECIMAL   | HEX  | TYPE   | LENGTH         | NAME (DIM)   | DESCRIPTION   |
|                    |   |  | ======   |                |  |   |
|                    | 0   | (0)  | STRUCTURE  | *              | SSGSBUFR   |   |
|                    | 0   | (0)  | CHARACTER  | 56             | SSGSHDR  | Queue element header  |
|                    |   |  |  |                |  |   |
|                    |   |  |  |                |  |   |
|                    | 28  | (1C)   | CHARACTER  | 28             | SSGSSHDR   | Extent pool stats info  |
|                    | 28  | (1C)   | UNSIGNED   | 2              | SSGSNSET   | Num of pool stats sets read   |
|                    | 30  | (1E)   | UNSIGNED   | 2              | SSGSLSET   | Size of each set  |
|                    | 32  | (20)   | CHARACTER  | 6              | SSGSCUT  | Control unit type   |
|                    | 38  |  | CHARACTER  | 3              | SSGSCUM  | Control unit model  |
|                    | 41  |  | CHARACTER  |                | SSGSSEQ  | Control unit sequence number  |
|                    | 51  |  | CHARACTER  | 1              | _  | Version of pool statistics  |
|                    | 52  |  | BITSTRING  | 1              | SSGSFLG  | Flags   |
|                    |   | (0-,   | 1  | _              | SSGSVLD  | Extent pool statistics valid  |
|                    |   |  | <b>-</b>   |                | SSGSVID  | When set to one, SSGSSRSC,  |
|                    |   |  |  |                |  | SSGSSVCP, SSGSSNMV, SSGSSVSC,   |
|                    |   |  |  |                |  |   |
|                    |   |  |  |                |  | SSGSSSDY, and SSGSSTDY are valid.   |
|                    |   |  | 1  |                | DOCUTE DO  |   |
|                    |   |  | .1   |                | SSGSVLDZ   | Extent pool statistics valid 2  |
|                    |   |  |  |                |  | When set to one, SSGSSEPS,  |
|                    |   |  |  |                |  | SSGSSBCE, and SSGSSBAE are  |
|                    |   |  | -  |                | 2222777  | valid.  |
| ı                  |   |  | 1  |                | SSGSVLD3   | Extent pool statistics valid 3  |
|                    |   |  |  |                |  | When set to one, SSGSSTPC,  |
| ļ                  |   |  |  |                |  | SSGSSUPC, SSGSSTLC, SSGSSULC,   |
|                    |   |  |  |                |  | and SSGSSCPR are valid.   |
| 1                  |   |  | x xxxx   |                | *  |   |
|                    |   |  |  | _              |  | Not used  |
|                    | 53  |  | CHARACTER  | 3              | *  | Not used  |
|                    | 56  | (38)   | CHARACTER<br>CHARACTER   | *              | *<br>SSGSDADA  | Not used<br>Extent pool perf stats read   |
| ı                  | 56<br>56  | (38)<br>(38)   | CHARACTER<br>CHARACTER<br>CHARACTER  | *<br>100       | *<br>SSGSDADA<br>SSGSSSTA (  | Not used Extent pool perf stats read  *) Extent pool stats entry  |
| ı                  | 56  | (38)<br>(38)   | CHARACTER<br>CHARACTER   | *              | *<br>SSGSDADA<br>SSGSSSTA (  | Not used<br>Extent pool perf stats read   |
| l<br>I             | 56<br>56<br>56  | (38)<br>(38)<br>(38)   | CHARACTER<br>CHARACTER<br>CHARACTER  | *<br>100       | *<br>SSGSDADA<br>SSGSSSTA (  | Not used Extent pool perf stats read  *) Extent pool stats entry  |
| l<br>l             | 56<br>56<br>56<br>OFFSET                                      | (38)<br>(38)<br>(38)<br>OFFSET                                     | CHARACTER CHARACTER CHARACTER UNSIGNED   | *<br>100<br>2  | * SSGSDADA SSGSSSTA( SSGSSGID  | Not used  Extent pool perf stats read  *) Extent pool stats entry  Extent pool identifier   |
| l<br>l             | 56<br>56<br>56  | (38)<br>(38)<br>(38)   | CHARACTER CHARACTER CHARACTER UNSIGNED   | *<br>100<br>2  | *<br>SSGSDADA<br>SSGSSSTA (  | Not used Extent pool perf stats read  *) Extent pool stats entry  |
| <br> -             | 56<br>56<br>56<br>OFFSET<br>DECIMAL                           | (38)<br>(38)<br>(38)<br>OFFSET<br>HEX                              | CHARACTER CHARACTER CHARACTER UNSIGNED TYPE  | LENGTH         | * SSGSDADA SSGSSSTA(* SSGSSGID NAME (DIM)  | Not used  Extent pool perf stats read  *) Extent pool stats entry  Extent pool identifier  DESCRIPTION  |
|                    | 56<br>56<br>56<br>OFFSET<br>DECIMAL                           | (38)<br>(38)<br>(38)<br>OFFSET<br>HEX                              | CHARACTER CHARACTER CHARACTER UNSIGNED   | *<br>100<br>2  | * SSGSDADA SSGSSSTA(* SSGSSGID NAME (DIM)  | Not used    Extent pool perf stats read  *) Extent pool stats entry    Extent pool identifier  DESCRIPTION  Extent pool stats entry   |
| <br> -<br> -       | 56<br>56<br>56<br>OFFSET<br>DECIMAL                           | (38)<br>(38)<br>(38)<br>OFFSET<br>HEX                              | CHARACTER CHARACTER CHARACTER UNSIGNED TYPE STRUCTURE                              | LENGTH         | * SSGSDADA SSGSSSTA(* SSGSSGID  NAME (DIM) SSGSSSTT  | Not used  Extent pool perf stats read  *) Extent pool stats entry  Extent pool identifier  DESCRIPTION  ===================================   |
| <br>               | 56<br>56<br>56<br>OFFSET<br>DECIMAL                           | (38)<br>(38)<br>(38)<br>OFFSET<br>HEX                              | CHARACTER CHARACTER CHARACTER UNSIGNED TYPE  | LENGTH         | * SSGSDADA SSGSSSTA(* SSGSSGID  NAME (DIM) SSGSSSTT  | Not used    Extent pool perf stats read  *) Extent pool stats entry    Extent pool identifier  DESCRIPTION  Extent pool stats entry   |
| <br> -<br> -<br> - | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED TYPE STRUCTURE UNSIGNED                     | LENGTH         | * SSGSDADA SSGSSSTA(* SSGSSGID  NAME (DIM) SSGSSSTT SSGSSSTT   | Not used  Extent pool perf stats read  *) Extent pool stats entry  Extent pool identifier  DESCRIPTION  Extent pool stats entry  includes one or more entry  Extent pool identifier   |
| <br>               | 56<br>56<br>56<br>OFFSET<br>DECIMAL                           | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING          | LENGTH         | * SSGSDADA SSGSSSTA(* SSGSSGID  NAME (DIM) SSGSSSTT  | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier  |
| <br> -<br> -<br> - | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING          | LENGTH 100     | * SSGSDADA SSGSSSTA(* SSGSSGID  NAME (DIM) SSGSSSTT SSGSSSTT   | Not used  Extent pool perf stats read  *) Extent pool stats entry  Extent pool identifier  DESCRIPTION  Extent pool stats entry  includes one or more entry  Extent pool identifier   |
| <br>               | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED TYPE STRUCTURE UNSIGNED                     | LENGTH 100     | * SSGSDADA SSGSSSTA(* SSGSSGID  NAME (DIM) SSGSSSTT SSGSSSTT SSGSSPID SSGSSPTQ                                 | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier  |
| <br> -<br> -<br> - | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING          | LENGTH 100     | * SSGSDADA SSGSSSTA(* SSGSSGID  NAME (DIM) SSGSSSTT SSGSSSTT SSGSSPID SSGSSPTQ                                 | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool.  |
| <br> -<br> -<br> - | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING          | LENGTH 100     | * SSGSDADA SSGSSSTA(* SSGSSGID  NAME (DIM) SSGSSSTT SSGSSSTT SSGSSPID SSGSSPTQ                                 | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on   |
|                    | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING          | LENGTH 100     | * SSGSDADA SSGSSSTA(* SSGSSGID  NAME (DIM) SSGSSSTT SSGSSSTT SSGSSPID SSGSSPTQ                                 | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk)  |
|                    | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING 1        | LENGTH 100     | * SSGSDADA SSGSSSTA (** SSGSSGID  NAME (DIM) SSGSSSTT  SSGSSSTT  SSGSSPID SSGSSPTQ SSGSSDEP                    | Not used  Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk) is encrypted.   |
|                    | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING 1        | LENGTH 100     | * SSGSDADA SSGSSSTA (** SSGSSGID  NAME (DIM) SSGSSSTT  SSGSSSTT  SSGSSPID SSGSSPTQ SSGSSDEP                    | Not used  Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk) is encrypted.  Compression Extent Pool.   |
|                    | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING 1        | LENGTH 100     | * SSGSDADA SSGSSSTA (** SSGSSGID  NAME (DIM) SSGSSSTT  SSGSSSTT  SSGSSPID SSGSSPTQ SSGSSDEP                    | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk) is encrypted.  Compression Extent Pool. When '1', the extent pool is   |
|                    | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE ====== STRUCTURE UNSIGNED BITSTRING 1 | LENGTH 100     | * SSGSDADA SSGSSSTA (** SSGSSGID  NAME (DIM) SSGSSSTT SSGSSSTT SSGSSPID SSGSSPTQ SSGSSPTQ SSGSSDEP             | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk) is encrypted.  Compression Extent Pool. When '1', the extent pool is a Compression Extent Pool.  |
|                    | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING 1        | LENGTH 100     | * SSGSDADA SSGSSSTA (** SSGSSGID SSGSSGID SSGSSSSSSSSSSSSSSSSSS  | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk) is encrypted.  Compression Extent Pool. When '1', the extent pool is a Compression Extent Pool. Reserved, set to zero  |
|                    | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING 1        | LENGTH 100     | * SSGSDADA SSGSSSTA (** SSGSSGID SSGSSGID SSGSSSSSSSSSSSSSSSSSS  | Not used  Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk) is encrypted.  Compression Extent Pool. When '1', the extent pool is a Compression Extent Pool. Reserved, set to zero Extent Sizes Valid  |
|                    | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING 1        | LENGTH 100     | * SSGSDADA SSGSSSTA (** SSGSSGID SSGSSGID SSGSSSSSSSSSSSSSSSSSS  | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk) is encrypted.  Compression Extent Pool. When '1', the extent pool is a Compression Extent Pool. Reserved, set to zero Extent Sizes Valid When '1', SSGSSEPS contains                                     |
|                    | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING 1        | LENGTH 100     | * SSGSDADA SSGSSSTA (** SSGSSGID SSGSSGID SSGSSSSSSSSSSSSSSSSSS  | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk) is encrypted.  Compression Extent Pool. When '1', the extent pool is a Compression Extent Pool. Reserved, set to zero Extent Sizes Valid When '1', SSGSSEPS contains the extent sizes in the Extent      |
|                    | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>=====<br>(0)      | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING 1        | LENGTH 100     | * SSGSDADA SSGSSSTA (** SSGSSGID SSGSSGID SSGSSSSSSSSSSSSSSSSSS  | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk) is encrypted.  Compression Extent Pool. When '1', the extent pool is a Compression Extent Pool. Reserved, set to zero Extent Sizes Valid When '1', SSGSSEPS contains the extent sizes in the Extent      |
|                    | 56<br>56<br>56<br>0FFSET<br>DECIMAL<br>0<br>0                 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>(0)<br>(0)<br>(3) | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING 1        | LENGTH 100     | * SSGSDADA SSGSSSTA (** SSGSSGID  NAME (DIM) SSGSSSTT SSGSSSTT SSGSSPID SSGSSPTQ SSGSSPTQ SSGSSCPP  * SSGSSCPP | Not used Extent pool perf stats read *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk) is encrypted.  Compression Extent Pool. When '1', the extent pool is a Compression Extent Pool. Reserved, set to zero Extent Sizes Valid When '1', SSGSSEPS contains the extent sizes in the Extent Pool. |
|                    | 56<br>56<br>56<br>56<br>OFFSET<br>DECIMAL<br>======<br>0<br>3 | (38)<br>(38)<br>(38)<br>(38)<br>OFFSET<br>HEX<br>(0)<br>(0)<br>(3) | CHARACTER CHARACTER CHARACTER UNSIGNED  TYPE STRUCTURE UNSIGNED BITSTRING 1        | * 100<br>2<br> | * SSGSDADA SSGSSSTA (** SSGSSGID SSGSSGID SSGSSSSSSSSSSSSSSSSSS  | Not used Extent pool perf stats read  *) Extent pool stats entry Extent pool identifier  DESCRIPTION  Extent pool stats entry includes one or more entry Extent pool identifier  Extent Pool Type Qualifier Data Encrypted Extent Pool. When '1', the data stored on the physical media (i.e disk) is encrypted.  Compression Extent Pool. When '1', the extent pool is a Compression Extent Pool. Reserved, set to zero Extent Sizes Valid When '1', SSGSSEPS contains the extent sizes in the Extent      |

The value in fields SSGSSTPC, SSGSSUPC, SSGSSTLC, and SSGSSULC is reported based on the physical extents for the extent pool. The extent pool may have 16 MB physical extents OR 1 GB physical extents. No mixed sizes in an extent pool.

| 1                             | an | exter | nt pool. |    |          |  |
|-------------------------------|----|-------|----------|----|----------|--|
| =====<br> <br> <br> <br> <br> | 52 | (34)  | UNSIGNED | 4  | SSGSSTPC | Total Physical Capacity. The total amount of capacity that can be stored on media. This is the raw physical capacity that can be stored after all compression techniques.  |
| <br>                          | 56 | (38)  | UNSIGNED | 4  | SSGSSUPC | Used Physical Capacity. The total amount of capacity stored on media. This is the raw physical capacity that has been consumed after compression techniques.   |
| <br>                          | 60 | (3C)  | UNSIGNED | 4  | SSGSSTLC | Total Logical Capacity. The total amount of capacity that can be written. This is the total addressable space. Also referred to as total effective capacity. It is the total Logical Block Addressable (LBA) range.          |
| <br>                          | 64 | (40)  | UNSIGNED | 4  | SSGSSULC | Used Logical Capacity. The total amount of capacity that has been written from the host. This is written addressed space before any compression techniques have been performed. Also referred to as used effective capacity. |
| <br>                          | 68 | (44)  | UNSIGNED | 4  | SSGSSCPR | Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGSSULC) divided by the Used Physical Capacity (SSGSSUPC). This will be set to 0 if the Physical Used Capacity is 0.              |
| i                             | 72 | (48)  | UNSIGNED | 28 | *        | Not Used. Set to zero.   |

MAPPING FOR THE SPACE EFFICIENT VOLUME STATUS OUTPUT BUFFER

|     | OFFSET<br>DECIMAL | OFFSET<br>HEX | TYPE                   | LENGTH    | NAME (DIM)           | DESCRIPTION  |
|-----|-------------------|---------------|------------------------|-----------|----------------------|--|
| I   | 0                 | (0)           | STRUCTURE<br>CHARACTER | 168<br>72 | SSGSEBUF<br>SSGSEHDR | Queue element header                                       |
| • • |                   |               |                        | _         |                      |  |
|     | 64                | (40)          | CHARACTER              | 3         |                      | Allocation Method  |
| ı   | 67                | (43)          | BITSTRING              | 1         | SSGSGFLG             | Report Volume Info Flag Byte                               |
|     |                   |               | 1                      |           | SSGSGCBI             | Report SGC Backup Vol<br>Info                              |
| 1   |                   |               | .1<br>xx xxxx          |           | SSGSGCPI<br>*        | Report Compression Info RESERVED                           |
| 1   | 68                | (44)          | UNASSIGNED             | 4         | SSGSECTL             | Total compression VOL Count, only valid for head of buffer |

| 72       | (48) CHAR              | ACTER 9                        | 6           | SSGSEDAD            | chain<br>SE VOL Statistics  |
|----------|------------------------|--------------------------------|-------------|---------------------|---|
|          | Specified v            | olume                          |             |                     |   |
| 72       | (48) BITS              | TRING                          | 1 5         | SSGSEFLG<br>SSGSEVF | Flag Byte 1 ON=Track Space Efficient Volume (Legacy)  |
|          | .1                     |                                |             | SSGSEAN             | ON=Space Currently Allocated is Not Available   |
|          | 1.                     | • • • •                        |             | SSGSEEV             | ON=Extent Space Efficient Volume  |
|          | 1                      |                                |             | SSGSEBV             | ON=Backup Volume The information reported is  |
|          |                        | 1                              |             | SSGSEBE             | for the Backup volume.  ON=Backup Volume is expanding When Backup volume (SSGSEBV) is set to one and this bit is set to one, the Backup Volume is   |
|          |                        | .1                             |             | SSGSECP             | Currently expanding. ON=Compression The Compression Information was requested and is reported   |
|          |                        | 1.                             |             | SSGSECV             | <pre>in SSGSEUPCP and SSGSECPRV. ON=Compression Information Valid - When Compression (SSGSECP) is set to zero, this bit is</pre>  |
|          |                        |                                |             |                     | - When Compression (SSGSECP) is set to one and this bit is set zero, the Compression Information is unavailable or stale in the control unit at this point in time. SSGSEUPCP and SSGSECPRV are set to all zeros.                 |
|          |                        | 1                              |             | SSGSECE             | - When Compression (SSGSECP) is set to one and this bit is set to one, the Compression Information is valid in the control unit and reported in SSGSEUPCP and SSGSECPRV.  ON=Compression Information Estimate for non-Compression |
|          |                        |                                |             |                     | volumes This bit is only valid when SSGSECP (Compression) is set to one and SSGSEVC (Compression Information Valid) is set to one. The information in SSGSEUPCP and SSGSECPRV for this non-Compression volume shows the           |
|          | /40:                   |                                |             |                     | estimated values as if this volume was a Compression volume.  |
| 73<br>74 | (49) CHAR<br>(4A) UNSI |                                | 1 *<br>2 SS | GSEEP               | not used Extend Pool ID   |
|          |                        | ng fields are<br>nitiate a not |             |                     | of the capacity remaining<br>he host  |
| 76       | (4C) UNSI              | GNED                           | 1 S         | GSECWW              | Capacity Limit Warning Watermark  |
| 77       | (4D) UNSI              | GNED                           | 1 S         | GSEGWW              | Guaranteed Capacity   |

| 78             | (4E)   |  |  | Compression Capacity Limit   |
|----------------|--|--|--|--|
|                |  | UNSIGNED   | 1 SSGSECLW   |  |
|                |  |  |  | Warning Watermark  |
|                |  |  |  | This value is set to the Warning   |
|                |  |  |  | Percentage EMPTY that is either  |
|                |  |  |  | the Control Unit default value   |
|                |  |  |  | or the User Specified value. The   |
|                |  |  |  | default value will be reported   |
|                |  |  |  | when the user has not specified  |
|                |  |  |  | a value. This is the percentage  |
|                |  |  |  | of the capacity remaining that   |
|                |  |  |  | will initiate a notification to  |
|                |  |  |  | the host. This byte will be set  |
|                |  |  |  | to zero if SSGSECP (Compression)   |
|                |  |  |  | is set to '0' and SSGSECE  |
|                |  |  |  |  |
|                |  |  |  | (Compression Information Estimate  |
|                |  |  |  | for non-Compression volumes) is  |
|                |  |  |  | set to '1'.  |
| 79             | (4F)   | UNSIGNED   | 1 SSGSECGW   | Compression Guaranteed Capacity  |
|                |  |  |  | Warning Watermark  |
|                |  |  |  | This value is set to the   |
|                |  |  |  | Guaranteed Capacity Warning  |
|                |  |  |  | Percentage EMPTY that is either  |
|                |  |  |  | the Control Unit default value   |
|                |  |  |  | or the User Specified value. The   |
|                |  |  |  | default value will be reported   |
|                |  |  |  | when the user has not specified  |
|                |  |  |  |  |
|                |  |  |  | a value. This is the percentage  |
|                |  |  |  | of the guaranteed capacity   |
|                |  |  |  | remaining that will initiate a   |
|                |  |  |  | notification to the host. This   |
|                |  |  |  | byte will be set to zero if  |
|                |  |  |  | SSGSECP (Compression) is set to  |
|                |  |  |  | '0' and SSGSECE (Compression   |
|                |  |  |  | Information Estimate for   |
|                |  |  |  | non-Compression volumes) is set  |
|                |  |  |  | to '1'.  |
|                |  |  |  | <del>- 60 1 .</del>  |
|                |  | llowing fields as  |  |  |
|                | The following  |  | re expressed in  | number of  |
|                |  | ——————————————————————————————————————   | ce expressed in  |  |
|                | cylinde  | ers for CKD devic  | ce. The following  | ng fields are  |
|                | cylinde<br>expres                                    | ers for CKD devices of the contract of the con | ce. The following  |  |
|                | cylinde  | ers for CKD devices of the contract of the con | ce. The following  | ng fields are  |
|                | cylinde<br>express<br>device                         | ers for CKD devices of the contract of the con | ce. The following  | ng fields are  |
|                | cylinde<br>express<br>device<br>(50)                 | ers for CKD devicesed in TENTH of b  | ce. The following cinary Gigabytes   | ng fields are s for Fixed Block  SE Volume Capacity Limit  |
| 80             | cylinde<br>express<br>device<br>(50)                 | ers for CKD devicesed in TENTH of books.  UNSIGNED   | ce. The following Gigabytes  | ng fields are s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed   |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | ng fields are s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity  |
| 80             | express device (50) (54)                             | ers for CKD devicesed in TENTH of books.  UNSIGNED   | ce. The following Gigabytes  | ng fields are s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated  |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | ng fields are s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool  |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | ng fields are s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used   |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | ng fields are s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the   |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | ng fields are s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used   |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | ng fields are s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is  |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | ng fields are s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that  |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host.  |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host. This is the written addressed  |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host. This is the written addressed space before any compression   |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed.   |
| 80<br>84       | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used  |
| 80<br>84<br>88 | express device (50) (54)                             | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following cinary Gigabytes of the control o | s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity.                                    |
| 80<br>84       | cylindo<br>express<br>device<br>(50)<br>(54)         | ers for CKD devicesed in TENTH of became under the control of the  | ce. The following Gigabytes  4 SSGSEC  4 SSGSEG  | s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used  |
| 80<br>84<br>88 | cylindo<br>express<br>device<br>(50)<br>(54)         | ers for CKD devices of in TENTH of head  | ce. The following cinary Gigabytes of the control o | s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity.                                    |
| 80<br>84<br>88 | cylindo<br>express<br>device<br>(50)<br>(54)<br>(58) | ers for CKD devices of in TENTH of head  | ce. The following cinary Gigabytes of the control o | SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity. Size of Space to Configure Volumes                    |
| 80<br>84<br>88 | cylindo<br>express<br>device<br>(50)<br>(54)<br>(58) | ers for CKD devices of in TENTH of here.  UNSIGNED UNSIGNED  UNSIGNED  UNSIGNED  | ee. The following cinary Gigabytes of the cinary Gigab | s for Fixed Block  SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity. Size of Space to Configure         |
| 80<br>84<br>88 | cylindo<br>express<br>device<br>(50)<br>(54)<br>(58) | ers for CKD devices of in TENTH of here.  UNSIGNED UNSIGNED  UNSIGNED  UNSIGNED  | ee. The following cinary Gigabytes of the cinary Gigab | SE Volume Capacity Limit SE Volume Guaranteed Capacity Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity. Size of Space to Configure Volumes SE Volume Capacity |

Logical Capacity for the Volume.

Warning Watermark

It is the total amount of capacity that can be written. This is the total addressable space. Also referred to as total effective capacity. It is the total Logical Block Addressable (LBA) range.

|                    |             | block Addressable (LDA) range                               |
|--------------------|-------------|---|
| Backup Volume      |             |   |
| 100 (64) BITSTRING | 1 SSGSEFLGB | Flag Byte 1   |
| 1                  | SSGSEVFB    | ON=Track Space Efficient                                    |
| _                  | ~~~~        | Volume (Legacy)   |
| .1                 | SSGSEANB    | ON=Space Currently Allocated is Not Available               |
| 1                  | SSGSEEVB    | ON=Extent Space Efficient                                   |
|                    | SSGSEEVE    | Volume  |
| 1                  | SSGSEBVB    | ON=Backup Volume  |
|                    |             | The information reported is                                 |
|                    |             | for the Backup volume.                                      |
| 1                  | SSGSEBEB    | ON=Backup Volume is expanding                               |
|                    |             | When Backup volume (SSGSEBVB)                               |
|                    |             | set to one and this bit is se                               |
|                    |             | to one, the Backup Volume is                                |
| 1                  | SSGSECPB    | currently expanding. ON=Compression                         |
|                    | SUGUECTE    | The Compression Information                                 |
|                    |             | was requested and is reported                               |
|                    |             | in SSGSEUPCP and SSGSECPRV.                                 |
| 1.                 | SSGSECVB    | ON=Compression Information Va                               |
|                    |             | - When Compression (SSGSECPB)                               |
|                    |             | set to zero, this bit is                                    |
|                    |             | ignored and set to zero.                                    |
|                    |             | - When Compression (SSGSECPB)<br>set to one and this bit is |
|                    |             | zero, the Compression                                       |
|                    |             | Information is unavailable                                  |
|                    |             | stale in the control unit a                                 |
|                    |             | this point in time. SSGSEUF                                 |
|                    |             | and SSGSECPRV are set to al                                 |
|                    |             | zeros.  |
|                    |             | - When Compression (SSGSECPB)                               |
|                    |             | set to one and this bit is set to one, the Compression      |
|                    |             | Information is valid in the                                 |
|                    |             | control unit and reported i                                 |
|                    |             | SSGSEUPCP and SSGSECPRV.                                    |
| 1                  | SSGSECEB    | ON=Compression Information                                  |
|                    |             | Estimate for non-Compression                                |
|                    |             | volumes   |
|                    |             | This bit is only valid when                                 |
|                    |             | SSGSECPB (Compression) is set                               |
|                    |             | one and SSGSEVCB (Compression Information Valid) is set to  |
|                    |             | The information in SSGSEUPCP                                |
|                    |             | SSGSECPRV for this  |
|                    |             | non-Compression volume shows                                |
|                    |             | estimated values as if this                                 |
|                    |             | volume was a Compression volu                               |
| 101 (65) CHARACTER |             | not used  |
| 102 (66) UNSIGNED  | 2 SSGSEEPB  | Extend Pool ID  |

The following fields are a percentage of the capacity remaining that will initiate a notification to the host

| ========= | ====  |                   | ==: | =========   |   |
|-----------|-------|-------------------|-----|-------------|---|
| 104       | (68)  | UNSIGNED          | 1   | SSGSECWWB   | Capacity Limit  |
| l         |       |                   |     |             | Warning Watermark   |
| 105       | (69)  | UNSIGNED          | 1   | SSGSEGWWB   | Guaranteed Capacity                                       |
| l         |       |                   |     |             | Warning Watermark   |
| 106       | (6A)  | UNSIGNED          | 1   | SSGSECLWB   | Compression Capacity Limit                                |
| l e       |       |                   |     |             | Warning Watermark   |
| l .       |       |                   |     |             | This value is set to the Warning                          |
| l .       |       |                   |     |             | Percentage EMPTY that is either                           |
| l .       |       |                   |     |             | the Control Unit default value                            |
| l e       |       |                   |     |             | or the User Specified value. The                          |
| İ         |       |                   |     |             | default value will be reported                            |
| i         |       |                   |     |             | when the user has not specified                           |
| i         |       |                   |     |             | a value. This is the percentage                           |
| i         |       |                   |     |             | of the capacity remaining that                            |
|           |       |                   |     |             | will initiate a notification to                           |
|           |       |                   |     |             | the host. This byte will be set                           |
|           |       |                   |     |             | to zero if SSGSECPB (Compression)                         |
|           |       |                   |     |             | is set to '0' and SSGSECEB                                |
|           |       |                   |     |             | (Compression Information Estimate                         |
|           |       |                   |     |             | for non-Compression volumes) is                           |
|           |       |                   |     |             | set to '1'.   |
| 107       | (6B)  | UNSIGNED          | 1   | SSGSECGWB   | Compression Guaranteed Capacity                           |
| 1 107     | (00)  | ONDIGNED          | _   | DOGDECGND   | Warning Watermark   |
|           |       |                   |     |             | This value is set to the                                  |
|           |       |                   |     |             | Guaranteed Capacity Warning                               |
| <u> </u>  |       |                   |     |             | Percentage EMPTY that is either                           |
|           |       |                   |     |             | the Control Unit default value                            |
|           |       |                   |     |             | or the User Specified value. The                          |
|           |       |                   |     |             | default value will be reported                            |
|           |       |                   |     |             | when the user has not specified                           |
|           |       |                   |     |             | -   |
|           |       |                   |     |             | a value. This is the percentage                           |
|           |       |                   |     |             | of the guaranteed capacity remaining that will initiate a |
|           |       |                   |     |             |   |
|           |       |                   |     |             | notification to the host. This                            |
|           |       |                   |     |             | byte will be set to zero if                               |
|           |       |                   |     |             | SSGSECPB (Compression) is set to                          |
|           |       |                   |     |             | '0' and SSGSECEB (Compression                             |
|           |       |                   |     |             | Information Estimate for                                  |
|           |       |                   |     |             | non-Compression volumes) is set                           |
|           |       |                   |     |             | to '1'.   |
| l         |       |                   |     |             |   |
| I T       | he fo | llowing fields ar | _   | avaraged in | number of   |

The following fields are expressed in number of cylinders for CKD device. The following fields are expressed in TENTH of binary Gigabytes for Fixed Block

|         | device | ·        |   |           |   |
|---------|--------|----------|---|-----------|---|
| 108     | (6C)   | UNSIGNED | 4 | SSGSECB   | SE Volume Capacity Limit  |
| 112     | (70)   | UNSIGNED | 4 | SSGSEGB   | SE Volume Guaranteed Capacity   |
| 116<br> | (74)   | UNSIGNED | 4 | SSGSESCAB | Space Currently Allocated in this Volumes Extent Pool This information is the Used Logical Capacity Volume for the Volume in the Extent Pool. It is the total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity. |
| 120     | (78)   | UNSIGNED | 4 | SSGSEEPRB | Size of Space to Configure  |

|     |     |        |           |     |          | Volumes                            |
|-----|-----|--------|-----------|-----|----------|------------------------------------|
| l   | 124 | (7C)   | UNSIGNED  | 4 S | SGSECAPB | SE Volume Capacity                 |
| l l |     |        |           |     |          | This information is the Total      |
| l l |     |        |           |     |          | Logical Capacity for the Volume.   |
| l l |     |        |           |     |          | It is the total amount of capacity |
| l l |     |        |           |     |          | that can be written. This is the   |
| l   |     |        |           |     |          | total addressable space. Also      |
| l   |     |        |           |     |          | referred to as total effective     |
| l   |     |        |           |     |          | capacity. It is the total Logical  |
| l   |     |        |           |     |          | Block Addressable (LBA) range.     |
| l   | 128 | (80)   | UNSIGNED  | 4 S | SGSESEQB | Sequence Number of the last        |
| l   |     |        |           |     |          | Consistency Group in the prior     |
| l   |     |        |           |     |          | SGC Backup Capacity Volume         |
| l   |     |        |           |     |          | Size                               |
| l   | 132 | (84)   | CHARACTER | 4 * | •        | Not Used                           |
| l   |     |        |           |     |          |                                    |
| I   | C   | ompres | ssion     |     |          |                                    |
|     |     |        |           |     |          |                                    |

The following field is expressed in number of cylinders for CKD device. The following fields are expressed in TENTH of binary Gigabytes for Fixed Block device.

| 13<br> <br> <br> <br> <br>                | 6 (88) | UNSIGNED  | 4  | SSGSEUPCP | Used Physical Capacity The total amount of capacity stored on media. This is the raw physical capacity that has been consumed after compression techniques.   |
|---|--------|-----------|----|-----------|---|
| 14<br> <br> <br> <br> <br> <br> <br> <br> | 0 (8C) | UNSIGNED  | 4  | SSGSECPRV | Compression Ratio for the Volume. This value is 100 times the Used Logical Capacity (SSGSESCA) divided by the Used Physical Capacity (SSGSEUPCP). This will be set to 0 if the Used Physical Capacity is 0. |
| 14  | 4 (90) | CHARACTER | 24 | *         | Not Used. Set to 0.   |

MAPPING FOR THE EXTENT POOL CONFIGURATION STATUS OUTPUT BUFFER

79

(4F) CHARACTER

| OFFSET<br>DECIMAL             | OFFSET<br>HEX           | TYPE                                      | LENGTH   | NAME (DIM)                                     | DESCRIPTION                          |
|-------------------------------|-------------------------|---|--|--|--------------------------------------|
| 0                             | (0)                     | STRUCTURE                                 | *  | SSGEPBUF                                       |                                      |
| 0                             | (0)                     | CHARACTER                                 | 44   | SSGEHDR  | Queue element header                 |
|                               |                         | rmat of the<br>as indicate                |  |  | repeated the number                  |
|                               |                         |   |  |  | repeated the number                  |
| =======<br>76<br>76           | times a<br>(4C)         | as indicate<br><br>CHARACTER              | d by SSGI<br>=================================== | EPCNT.<br>============<br>SSGEPSUM             | Ext Pool summary data                |
| <del>======</del><br>76<br>76 | times a<br>(4C)<br>(4C) | as indicate<br><br>CHARACTER<br>CHARACTER | d by SSGI<br>========<br>8<br>2                  | EPCNT.<br>==================================== | Ext Pool summary data Extent Pool ID |
|                               | (4C)<br>(4C)<br>The fo  | as indicate CHARACTER CHARACTER           | d by SSGI<br>========<br>8<br>2<br>fields        | EPCNT.  SSGEPSUM SSGEPIDS  are a remain:       | Ext Pool summary data                |

1 SSGEPFWP

Real Ext Threshold

|   |    |       |           |   |          | Percentage                      |
|---|----|-------|-----------|---|----------|---------------------------------|
| 1 | 80 | (50)  | BITSTRING | 2 | SSGEPFLG | Extent Pool Summary Flags       |
|   |    |       | 1         |   | SSGEPFB  | Extent Pool Type                |
|   |    |       |           |   |          | 0=CKD Ext Pool,                 |
|   |    |       |           |   |          | 1=FB Ext Pool                   |
| 1 |    |       | .1        |   | SSGEPRC  | TSE Volumes Repository          |
| 1 |    |       |           |   | DUCLING  | Configured (Legacy)             |
| • |    |       | 1         |   | SSGEOPV  | ESE Volumes Configured          |
|   |    |       | 1         |   |          | <del>_</del>                    |
|   |    |       |           |   | SSGESTD  | STD (FP) Volumes                |
|   |    |       | _         |   |          | Configured                      |
|   |    |       | 1         |   | SSGEESV  | Extent Sizes Valid              |
|   |    |       |           |   |          | When set to one, SSGEESZ        |
|   |    |       |           |   |          | contains the extent sizes       |
|   |    |       |           |   |          | in the Extent Pool.             |
|   |    |       | 1         |   | SSGEPWP  | Real Capacity at or             |
|   |    |       |           |   |          | below Warning Percentage        |
|   |    |       | 1.        |   | SSGEPF   | No Available Real Capacity      |
|   |    |       |           |   |          | (i.e. Full)                     |
|   |    |       | 1         |   | SSGESGC  | SGC Backup Volumes              |
|   |    |       |           |   |          | Configured                      |
|   | 81 | (51)  | 1         |   | SSGECPE  | Compression enabled             |
| i |    | • •   | .1        |   | SSGECIE  | Compression Information         |
| i |    |       |           |   |          | Estimate for non-Compression    |
| i |    |       |           |   |          | extents                         |
| i |    |       |           |   |          | In Extent Pool Detailed Info    |
|   |    |       |           |   |          | Version 3, the info in          |
|   |    |       |           |   |          | SSGTPCAP3 provided for this     |
|   |    |       |           |   |          | non-Compression extent shows    |
|   |    |       |           |   |          | the estimated benefit if this   |
|   |    |       |           |   |          | extent was for Compression.     |
|   |    |       | 1         |   | SSGECWP  |                                 |
| ! |    |       |           |   | SSGECWP  | Compression Capacity at or      |
| ! |    |       |           |   |          | below Warning Percentage        |
|   |    |       | 1         |   | SSGENAC  | No Available Compression        |
|   |    |       |           |   |          | Capacity (i.e. full)            |
| 1 |    | . = - | хххх      |   | *        | Not Used. Set to zero.          |
|   | 82 | (52)  | BITSTRING | 1 | SSGEESZ  | Extent Sizes in Extent Pool     |
| Г |    |       | x         |   | *        | Reserved                        |
|   |    |       | .1        |   | SSGS01GB | 1 GB Extents                    |
| Г |    |       | xx xxx.   |   | *        | Reserved                        |
|   |    |       | 1         |   | SSGS16MB | 16 MB Extents                   |
| T | 83 | (53)  | CHARACTER | 1 | SSGECETP | Compression Extent Threshold    |
| I |    |       |           |   |          | Percentage Percentage           |
| I |    |       |           |   |          | This percentage represents at   |
| I |    |       |           |   |          | what percentage of remaining    |
| I |    |       |           |   |          | space in the Compression extent |
| 1 |    |       |           |   |          | pool that a warning message is  |
| I |    |       |           |   |          | issued. This is a user settable |
| I |    |       |           |   |          | parameter.                      |
|   |    |       |           |   |          |                                 |

The following fields contain detailed information of the Extent Pool provided by the caller (Ver 1). 0 (0) CHARACTER 12316 SSGEPDAT 0 (0) CHARACTER SSGEPIDD Ext Pool ID for detailed data (2) BITSTRING SSGEPDFG Extent Pool Detailed Flags 1... .... SSGEPARN SE Repository Capacity is Not Available (Legacy) .1.. .... SSGEPRAW SE Repository at or below Warning Percentage (Legacy) SSGEPRF No Available SE Repository ..1. .... Capacity (i.e. full) (Legacy)

|          |  |   | 1   |  | SSGEPESV  | Extent Sizes Valid   |
|----------|--|---|---|--|---|--|
|          |  |   |   |  |   | When set to one, SSGEPESZ  |
|          |  |   |   |  |   | contains the extent sizes in the Extent Pool.  |
| 1        |  |   | xxxx  |  | *   | RESERVED   |
| · ·      | 3                                      | (3)   | BITSTRING   | 1  | SSGEPESZ  | Extent Sizes in Extent Pool  |
| 1        |  |   | x   |  | *   | Reserved   |
|          |  |   | .1  |  | SSGED01GB   | 1 GB Extents   |
| I        |  |   | xx xxx.   |  | *   | Reserved   |
|          |  |   | 1   |  | SSGED16MB   | 16 MB Extents  |
|          |  | The fo  | llowing fiel  | d is ex  | nressed in nu   | umber of cylinders for CKD   |
|          |  |   | -   |  | -   | essed in TENTH of binary   |
|          |  |   | tes for Fixe  | _  | _   | -  |
| :        |  |   |   |  |   |  |
|          | 4                                      | (4)   | UNSIGNED  | 4  | SSGEPSZ   | Sizes of Extent Pool   |
|          | 8                                      | (8)   | UNSIGNED  | 4  | SSGEALOC  | Space Currently Allocated in Extent  |
|          |  |   |   |  |   | Pool   |
| I        | 12                                     | (C)   | UNSIGNED  | 4  | SSGEPRSZ  | Size of TSE Extent   |
| İ        |  |   |   |  |   | Pool Repository (Legacy)   |
| I        | 16                                     | (10)  | UNSIGNED  | 4  | SSGEPRAL  | Space Currently  |
| ļ.       |  |   |   |  |   | Allocated in TSE   |
| !        |  |   |   |  |   | Extent Pool Repository   |
| !        | 20                                     | (1.4)   | INCTONED  | 4  | CCCEDCCZ  | (Legacy) Amount of Guaranteed  |
| i i      | 20                                     | (14)  | UNSIGNED  | 4  | SSGEPGSZ  | Space in Repository  |
| i        |  |   |   |  |   | (Legacy)   |
| •        | 24                                     | (18)  | UNSIGNED  | 4  | SSGEPGAL  | Allocated Guaranteed   |
|          |  |   |   |  |   |  |
|          |  |   |   |  |   | Capacity   |
|          |  | The ne  | xt three fie  | elds are   | 32k bitmaps   | Capacity   |
| :        | ====================================== |   |   |  |   |  |
| :        | ========<br>28<br>4124                 | (1C)  | BITSTRING   | 4096   | SSGENORM  | Standard (FP) Vols   |
| :        | _                                      | (1C)  |   |  |   |  |
| ı        | 4124                                   | (1C)<br>(101C)  | BITSTRING   | 4096   | SSGENORM  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient   |
| ı        | 4124                                   | (1C)<br>(101C)  | BITSTRING BITSTRING   | 4096<br>4096   | SSGENORM<br>SSGEPOPV  | Standard (FP) Vols Extent Space Efficient Vols   |
| <u> </u> | 4124                                   | (1C)<br>(101C)<br>(201C)  | BITSTRING<br>BITSTRING<br>BITSTRING   | 4096<br>4096<br>4096                                       | SSGENORM<br>SSGEPOPV<br>SSGEPSEV  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)   |
| <br>     | 4124                                   | (1C)<br>(101C)<br>(201C)  | BITSTRING BITSTRING BITSTRING   | 4096<br>4096<br>4096                                       | SSGENORM<br>SSGEPOPV<br>SSGEPSEV  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient   |
| <br>     | 4124                                   | (1C)<br>(101C)<br>(201C)  | BITSTRING<br>BITSTRING<br>BITSTRING   | 4096<br>4096<br>4096                                       | SSGENORM<br>SSGEPOPV<br>SSGEPSEV  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)   |
| <br>     | 4124                                   | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING   | 4096<br>4096<br>4096                                       | SSGENORM<br>SSGEPOPV<br>SSGEPSEV  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)   |
|          | 8220                                   | (1C)<br>(101C)<br>(201C)<br>The for Pool pool (0)                 | BITSTRING BITSTRING BITSTRING  BITSTRING  llowing fiel rovided by t   | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)   |
| <br>     | 4124<br>8220<br><br>0<br>0             | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING  BITSTRING  llowing fiel rovided by t  CHARACTER CHARACTER                                | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPIDD2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy) information of the Extent  Ext Pool ID for detailed data  |
|          | 4124<br>8220                           | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING  BITSTRING  covided by tellowing field covided by tellowing CHARACTER CHARACTER BITSTRING | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPDD2 SSGEPDD2 SSGEPDFG2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy) information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags   |
|          | 4124<br>8220<br><br>0<br>0             | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING  BITSTRING  llowing fiel rovided by t  CHARACTER CHARACTER                                | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPIDD2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity   |
|          | 4124<br>8220<br><br>0<br>0             | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING  BITSTRING  CHARACTER CHARACTER BITSTRING  CHARACTER                                      | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPDD2 SSGEPDD2 SSGEPARN2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity is Not Available (Legacy)   |
|          | 4124<br>8220<br><br>0<br>0             | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING  BITSTRING  covided by tellowing field covided by tellowing CHARACTER CHARACTER BITSTRING | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPDD2 SSGEPDD2 SSGEPDFG2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity is Not Available (Legacy) SE Repository at or below   |
|          | 4124<br>8220<br><br>0<br>0             | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING  BITSTRING  CHARACTER CHARACTER BITSTRING  CHARACTER                                      | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPDD2 SSGEPDD2 SSGEPARN2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity is Not Available (Legacy)   |
|          | 4124<br>8220<br><br>0<br>0             | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING  BITSTRING  CHARACTER CHARACTER BITSTRING  .1   | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPDD2 SSGEPDD2 SSGEPARN2 SSGEPARN2 SSGEPRAW2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity is Not Available (Legacy) SE Repository at or below Warning Percentage (Legacy) No Available SE Repository Capacity (i.e. full) (Legacy)  |
|          | 4124<br>8220<br><br>0<br>0             | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING  BITSTRING  CHARACTER CHARACTER BITSTRING  1  | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPDD2 SSGEPDD2 SSGEPARN2 SSGEPARN2 SSGEPRAW2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity is Not Available (Legacy) SE Repository at or below Warning Percentage (Legacy) No Available SE Repository Capacity (i.e. full) (Legacy) Extent Sizes Valid   |
|          | 4124<br>8220<br><br>0<br>0             | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING  BITSTRING  CHARACTER CHARACTER BITSTRING  .1   | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPDD2 SSGEPDD2 SSGEPARN2 SSGEPARN2 SSGEPARN2 SSGEPRAW2 SSGEPRAW2 SSGEPRAW2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity is Not Available (Legacy) SE Repository at or below Warning Percentage (Legacy) No Available SE Repository Capacity (i.e. full) (Legacy) Extent Sizes Valid When set to one, SSGEPESZ2  |
|          | 4124<br>8220<br><br>0<br>0             | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING  BITSTRING  CHARACTER CHARACTER BITSTRING  .1   | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPDD2 SSGEPDD2 SSGEPARN2 SSGEPARN2 SSGEPARN2 SSGEPRAW2 SSGEPRAW2 SSGEPRAW2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity is Not Available (Legacy) SE Repository at or below Warning Percentage (Legacy) No Available SE Repository Capacity (i.e. full) (Legacy) Extent Sizes Valid When set to one, SSGEPESZ2 contains the extent sizes  |
|          | 4124<br>8220<br><br>0<br>0             | (1C)<br>(101C)<br>(201C)<br>The fo<br>Pool p                      | BITSTRING BITSTRING BITSTRING  BITSTRING  CHARACTER CHARACTER BITSTRING  .1   | 4096<br>4096<br>4096<br>.ds continue call                  | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPDD2 SSGEPDD2 SSGEPARN2 SSGEPARN2 SSGEPARN2 SSGEPRAW2 SSGEPRAW2 SSGEPRAW2  | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity is Not Available (Legacy) SE Repository at or below Warning Percentage (Legacy) No Available SE Repository Capacity (i.e. full) (Legacy) Extent Sizes Valid When set to one, SSGEPESZ2 contains the extent sizes in the Extent Pool.                                      |
|          | 4124<br>8220<br><br>0<br>0             | (1c)<br>(101c)<br>(201c)<br>The fo<br>Pool p<br>(0)<br>(0)<br>(2) | BITSTRING BITSTRING BITSTRING  BITSTRING  CHARACTER CHARACTER BITSTRING  .1   | 4096<br>4096<br>4096<br>.ds continue call                  | SSGENORM SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPIDD2 SSGEPIDD2 SSGEPARN2 SSGEPARN2 SSGEPARN2 SSGEPRAW2 SSGEPRAW2 SSGEPRAW2 SSGEPRAW2 SSGEPRAW2 SSGEPRAW2 | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity is Not Available (Legacy) SE Repository at or below Warning Percentage (Legacy) No Available SE Repository Capacity (i.e. full) (Legacy) Extent Sizes Valid When set to one, SSGEPESZ2 contains the extent sizes  |
|          | 4124<br>8220<br>0<br>0<br>2            | (1c)<br>(101c)<br>(201c)<br>The fo<br>Pool p<br>(0)<br>(0)<br>(2) | BITSTRING BITSTRING BITSTRING  BITSTRING  CHARACTER CHARACTER BITSTRING   | 4096<br>4096<br>4096<br>.ds cont<br>the call<br>16512<br>2 | SSGENORM SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPIDD2 SSGEPIDD2 SSGEPARN2 SSGEPARN2 SSGEPARN2 SSGEPRAW2 SSGEPRAW2 SSGEPRAW2 SSGEPRAW2 SSGEPRAW2           | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity is Not Available (Legacy) SE Repository at or below Warning Percentage (Legacy) No Available SE Repository Capacity (i.e. full) (Legacy) Extent Sizes Valid When set to one, SSGEPESZ2 contains the extent sizes in the Extent Pool. RESERVED                             |
|          | 4124<br>8220<br>0<br>0<br>2            | (1c)<br>(101c)<br>(201c)<br>The fo<br>Pool p<br>(0)<br>(0)<br>(2) | BITSTRING BITSTRING BITSTRING  BITSTRING  CHARACTER CHARACTER BITSTRING  .1   | 4096<br>4096<br>4096<br>.ds cont<br>the call<br>16512<br>2 | SSGEPOPV  SSGEPSEV  ain detailed er (Ver 2).  SSGEPDV2 SSGEPIDD2 SSGEPIDD2 SSGEPARN2 SSGEPARN2 SSGEPARV2 SSGEPESV2  * SSGEPESV2   | Standard (FP) Vols Extent Space Efficient Vols Track Space Efficient Vols (Legacy)  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags SE Repository Capacity is Not Available (Legacy) SE Repository at or below Warning Percentage (Legacy) No Available SE Repository Capacity (i.e. full) (Legacy) Extent Sizes Valid When set to one, SSGEPESZ2 contains the extent sizes in the Extent Pool. RESERVED Extent Sizes in Extent Pool |

The following fields are expressed in number of cylinders for  $\ensuremath{\mathsf{CKD}}$ 

.... 1 SSGED16MB2 16 MB Extents

device. The following fields are expressed in TENTH of binary Gigabytes for Fixed Block device.

| _   |                     |                              |  |   |   |  |
|-----|---------------------|------------------------------|--|---|---|--|
|     | 4                   | (4)                          | UNSIGNED   | 4   | SSGEPSZ2  | Physical Size of Extent Pool   |
|     | 8                   | (8)                          | UNSIGNED   | 4   | SSGEALOC2   | Space Currently Allocated in Extent  |
|     | 10                  | (C)                          | INCTONED   | 1   | SSGEPRSZ2   | Pool   |
|     | 12                  | (C)                          | UNSIGNED   | 4   | SSGEPRSZZ   | Size of TSE Extent Pool Repository (Legacy)  |
|     | 16                  | (10)                         | UNSIGNED   | 4   | SSGEPRAL2   | Space Currently  |
|     |                     | (10)                         | ONDIGNED   | -   | DOULIGHE  | Allocated in TSE   |
|     |                     |                              |  |   |   | Extent Pool Repository   |
|     |                     |                              |  |   |   | (Legacy)   |
|     | 20                  | (14)                         | UNSIGNED   | 4   | SSGEPGSZ2   | Amount of Guaranteed   |
|     |                     |                              |  |   |   | Space in Repository  |
|     |                     |                              |  |   |   | (Legacy)   |
|     | 24                  | (18)                         | UNSIGNED   | 4   | SSGEPGAL2   | Allocated Guaranteed   |
|     |                     |                              |  |   |   | Capacity   |
|     | 28                  | (1C)                         | UNSIGNED   | 4   | SSGEPECC2   | ESE Volumes Capacity   |
|     |                     |                              |  |   |   | Configured   |
|     | 32                  | (20)                         | UNSIGNED   | 4   | SSGEPTCC2   | TSE Volumes  |
|     |                     |                              |  |   |   | Capacity Configured  |
|     | 36                  | (24)                         | UNSIGNED   | 4   | SSGEPFCC2   | STD (FP) Volumes   |
|     |                     |                              |  |   |   | Capacity Configured  |
| _   |                     |                              |  |   | 32k bitmaps   |  |
|     | 128                 |                              | BITSTRING  | 4096  | SSGENORM2   | Standard (FP) Vols   |
|     | 4224                | (1080)                       | BITSTRING  | 4096  | SSGEPOPV2   | Extent Space Efficient   |
|     |                     |                              |  |   |   | Vols   |
|     | 8320                | (2080)                       | BITSTRING  | 4096  | SSGEPSEV2   | Track Space Efficient  |
|     |                     |                              |  |   |   |  |
|     | 10416               | (2000)                       | D.T.M.C.M.D.T.V.C.   | 4006 6  | 100220000   | Vols (Legacy)  |
|     | 12416               | (3080)                       | BITSTRING  | 4096 S  | SGEPSGC2  | Safeguarded Copy   |
|     | 12416               | (3080)                       | BITSTRING  | 4096 S  | SGEPSGC2  |  |
|     | 12416               |                              |  |   |   | Safeguarded Copy<br>Backup Vols  |
| _   | 12416               | The fo                       | llowing fiel   | lds cont  |   | Safeguarded Copy   |
| ==  |                     | The fo                       | llowing fiel<br>rovided by t   | lds cont<br>the call  | cain detailed<br>er (Ver 3).  | Safeguarded Copy<br>Backup Vols  |
| ==  | 12416<br><br>0<br>0 | The fo                       | llowing fiel   | lds cont  | ain detailed  | Safeguarded Copy<br>Backup Vols  |
| =:  | 0                   | The for                      | llowing fiel<br>rovided by t<br><br>CHARACTER  | lds cont<br>the call<br>=================================== | cain detailed<br>er (Ver 3).<br>SSGEPDV3  | Safeguarded Copy Backup Vols information of the Extent   |
| =:  | 0                   | The formula property (0) (0) | llowing fiel<br>rovided by t<br><br>CHARACTER  | lds cont<br>the call<br>=================================== | cain detailed<br>er (Ver 3).<br>SSGEPDV3  | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data   |
| =   | 0                   | The formula property (0) (0) | llowing fiel<br>rovided by t<br><br>CHARACTER<br>CHARACTER   | lds cont<br>the call<br><br>16896<br>2                      | eain detailed<br>er (Ver 3).<br>SSGEPDV3<br>SSGEPIDD3   | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed  |
| === | 0                   | The formula property (0) (0) | llowing fiel<br>rovided by t<br><br>CHARACTER<br>CHARACTER<br>BITSTRING  | lds cont<br>the call<br><br>16896<br>2                      | cain detailed<br>er (Ver 3).<br>SSGEPDV3<br>SSGEPIDD3   | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags  |
| =:  | 0                   | The formula property (0) (0) | llowing fiel<br>rovided by t<br><br>CHARACTER<br>CHARACTER<br>BITSTRING  | lds cont<br>the call<br><br>16896<br>2                      | cain detailed<br>er (Ver 3).<br>SSGEPDV3<br>SSGEPIDD3   | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type   |
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| =:  | 0                   | The formula property (0) (0) | llowing fiel rovided by t CHARACTER CHARACTER BITSTRING 1  | lds cont<br>the call<br><br>16896<br>2                      | cain detailed<br>er (Ver 3).<br>SSGEPDV3<br>SSGEPIDD3<br>SSGEPDFG3<br>SSGEPFB3  | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes  |
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| =   | 0                   | The formula property (0) (0) | llowing fielrovided by teleprovided by teleprovided control to the | lds cont<br>the call<br><br>16896<br>2                      | sain detailed<br>er (Ver 3).<br>SSGEPDV3<br>SSGEPIDD3<br>SSGEPDFG3<br>SSGEPFB3<br>SSGEPFB3  | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid  |
| ==  | 0                   | The formula property (0) (0) | llowing fielrovided by teleprovided by teleprovided by teleprovided control co | lds cont<br>the call<br><br>16896<br>2                      | sain detailed<br>er (Ver 3).<br>SSGEPDV3<br>SSGEPIDD3<br>SSGEPFB3<br>SSGEPFB3<br>SSGEPFB3   | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid When set to one, SSGEPESZ3   |
| =:  | 0                   | The formula property (0) (0) | llowing fielrovided by teleprovided by teleprovided by teleprovided control co | lds cont<br>the call<br><br>16896<br>2                      | sain detailed<br>er (Ver 3).<br>SSGEPDV3<br>SSGEPIDD3<br>SSGEPFB3<br>SSGEPFB3<br>SSGEPFB3   | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid  |
| ==  | 0                   | The formula property (0) (0) | llowing fielrovided by teleprovided by teleprovided by teleprovided control co | lds cont<br>the call<br><br>16896<br>2                      | sain detailed<br>er (Ver 3).<br>SSGEPDV3<br>SSGEPIDD3<br>SSGEPFB3<br>SSGEPFB3<br>SSGEPFB3   | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid When set to one, SSGEPESZ3   |
| ==: | 0                   | The formula property (0) (0) | llowing fielrovided by teleprovided by teleprovided by teleprovided control co | lds cont<br>the call<br><br>16896<br>2                      | sain detailed<br>er (Ver 3).<br>SSGEPDV3<br>SSGEPIDD3<br>SSGEPFB3<br>SSGEPFB3<br>SSGEPFB3   | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid When set to one, SSGEPESZ3 contains the extent sizes in the Extent Pool. Real Capacity at or   |
|     | 0                   | The formula property (0) (0) | llowing fielrovided by telescope CHARACTER CHARACTER BITSTRING 1   | lds cont<br>the call<br><br>16896<br>2                      | sain detailed<br>er (Ver 3).<br>SSGEPDV3<br>SSGEPIDD3<br>SSGEPFB3<br>SSGEPFB3<br>SSGEPFB3<br>SSGEPFC3<br>SSGEPFC3<br>SSGEOPV3<br>SSGESTD3<br>SSGESTD3   | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid When set to one, SSGEPESZ3 contains the extent sizes in the Extent Pool.   |
|     | 0                   | The formula property (0) (0) | llowing fielrovided by telescope CHARACTER CHARACTER BITSTRING 1   | lds cont<br>the call<br><br>16896<br>2                      | sain detailed<br>er (Ver 3).<br>SSGEPDV3<br>SSGEPIDD3<br>SSGEPFB3<br>SSGEPFB3<br>SSGEPFB3<br>SSGEPFC3<br>SSGEPFC3<br>SSGEOPV3<br>SSGESTD3<br>SSGESTD3   | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid When set to one, SSGEPESZ3 contains the extent sizes in the Extent Pool. Real Capacity at or   |
| ==  | 0                   | The formula property (0) (0) | llowing fielrovided by telescope CHARACTER CHARACTER BITSTRING 1   | lds cont<br>the call<br><br>16896<br>2                      | sain detailed er (Ver 3).  SSGEPDV3 SSGEPIDD3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3   | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid When set to one, SSGEPESZ3 contains the extent sizes in the Extent Pool. Real Capacity at or below Warning Percentage  |
| ==  | 0                   | The formula property (0) (0) | llowing fielrovided by telescope CHARACTER CHARACTER BITSTRING 1   | lds cont<br>the call<br><br>16896<br>2                      | sain detailed er (Ver 3).  SSGEPDV3 SSGEPIDD3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3  SSGEPFB3   | Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid When set to one, SSGEPESZ3 contains the extent sizes in the Extent Pool. Real Capacity at or below Warning Percentage No Available Real  |
| ==  | 0                   | The formula property (0) (0) | llowing fielrovided by telescope CHARACTER CHARACTER BITSTRING 1   | lds cont<br>the call<br><br>16896<br>2                      | sain detailed er (Ver 3).  SSGEPDV3 SSGEPIDD3  SSGEPFB3   Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid When set to one, SSGEPESZ3 contains the extent sizes in the Extent Pool. Real Capacity at or below Warning Percentage No Available Real Capacity (i.e. full) SE Repository at or below Warning Percentage          |
| ==  | 0                   | The formula property (0) (0) | llowing fielrovided by telescope CHARACTER CHARACTER BITSTRING 1   | lds cont<br>the call<br><br>16896<br>2                      | sain detailed er (Ver 3).  SSGEPDV3 SSGEPIDD3  SSGEPFB3   Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid When set to one, SSGEPESZ3 contains the extent sizes in the Extent Pool. Real Capacity at or below Warning Percentage No Available Real Capacity (i.e. full) SE Repository at or below Warning Percentage (Legacy) |
|     | 0                   | The for Pool p: (0) (0) (2)  | llowing fielrovided by telescope CHARACTER CHARACTER BITSTRING 1   | lds cont<br>the call<br><br>16896<br>2                      | sain detailed er (Ver 3).  SSGEPDV3 SSGEPIDD3  SSGEPFB3   Safeguarded Copy Backup Vols  information of the Extent  Ext Pool ID for detailed data Extent Pool Detailed Flags Extent Pool Type 0=CKD Ext Pool, 1=FB Ext Pool TSE Volumes Repository Configured (Legacy) ESE Volumes Configured STD (FP) Volumes Configured Extent Sizes Valid When set to one, SSGEPESZ3 contains the extent sizes in the Extent Pool. Real Capacity at or below Warning Percentage No Available Real Capacity (i.e. full) SE Repository at or below Warning Percentage          |

| !   |      |       |          |    |            | Repository Capacity  |
|-----|------|-------|----------|----|------------|--|
| ı   |      |       | .1       |    | SSGESGC3   | (i.e. full) (Legacy)  SGC Backup Volumes                       |
| l   |      |       | 1        |    | SSGECWP3   | Configured  Compression Capacity at or below                   |
| ļ   |      |       |          |    |            | Warning Percentage   |
| !   |      |       | 1        |    | SSGENAC3   | No Available Compression Capacity (i.e. full)                  |
| i   |      |       | xx       |    | *          | Not Used   |
| ĺ   |      |       | 1.       |    | SSGEPARN3  | SE Repository Capacity   |
| !   |      |       |          |    | 0000000000 | is Not Available (Legacy)                                      |
|     |      |       | 1        |    | SSGEPRIS3  | SE Repository contains Inaccessible Space (Legacy)             |
|     |      |       |          |    |            |  |
|     | 0.6  | (13)  |          |    | accrimana  | Providente man Provi   |
|     | 26   | (IA)  | UNSIGNED | 1  | SSGAVECP3  | Available ESE Real Capacity Percentage                         |
| L   | 27   | (1B)  | UNSIGNED | 1  | SSGISRCP3  | Percentage of Inaccessible                                     |
| I   |      |       |          |    |            | SE Repository Capacity   |
|     |      |       |          |    |            | (Legacy)   |
| • • |      |       |          |    |            |  |
|     | 128  | (80)  | UNSIGNED | 8  | SSGMVARC3  | Allocated Real   |
|     |      |       |          |    |            | Capacity used to   |
|     |      |       |          |    |            | Provision Metadata Virtual Capacity                            |
| 1   | 136  | (88)  | UNSIGNED | 8  | SSGTSARC3  | Allocated Real   |
| i   |      |       |          |    |            | Capacity used to   |
| !   |      |       |          |    |            | Provision TSE  |
| l   |      |       |          |    |            | Repository (Legacy)  |
| • • |      |       |          |    |            |  |
| I   | 240  | (F0)  | UNSIGNED | 8  | SSGCESVC3  | Configured ESE   |
| !   |      |       |          |    |            | Volumes Virtual  |
| i   | 248  | (F8)  | UNSIGNED | 8  | SSGCTSVC3  | Capacity (Legacy) Configured TSE                               |
| i   |      | , ,,  |          |    |            | Volumes Virtual  |
| I   |      |       |          |    |            | Capacity (Legacy)  |
| • • |      |       |          |    |            |  |
|     | 296  | (128) | UNSIGNED | 32 | *          | Reserved   |
| I   | 328  | (148) | UNSIGNED | 8  | SSGTSERC3  | TSE Repository   |
| !   | 336  | (150) | UNSIGNED | 8  | CCCNT MCC2 | Capacity (Legacy) Allocated TSE                                |
| i   | 336  | (150) | UNSIGNED | •  | SSGALTSC3  | Repository Capacity (Legacy)                                   |
| i   | 344  | (158) | UNSIGNED | 8  | SSGAVTSC3  | Available TSE  |
| l   | 05.5 |       |          |    |            | Repository Capacity (Legacy)                                   |
|     | 352  | (160) | UNSIGNED | 8  | SSGIATSC3  | Inaccessible TSE Repository Capacity (Legacy)                  |
|     | 360  | (168) | UNSIGNED | 8  | SSGGTSRC3  | Guaranteed TSE   |
| L   |      |       |          |    |            | Repository Capacity (Legacy)                                   |
|     | 368  | (170) | UNSIGNED | 8  | SSGPTSRC3  | Preserved TSE  |
|     | 376  | (178) | UNSIGNED | 8  | SSGTPCAP3  | Repository Capacity (Legacy) Compression Total Physical        |
| i   |      | ,,    |          |    |            | Capacity.  |
| ļ.  |      |       |          |    |            | The total amount of capacity that                              |
|     |      |       |          |    |            | can be stored on media. This is the raw physical capacity that |
|     |      |       |          |    |            | can be stored after all  |
| i   |      |       |          |    |            | compression techniques.  |
| !   |      |       |          |    |            | If SSGECIE (Compression  |
|     |      |       |          |    |            | Information Estimate for non-Compression Extents) in           |
|     |      |       |          |    |            | HOH COMPLESSION EXCENCS/ IN                                    |

| SSGEPTIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  384 (180) UNSIGNED 8 SEGUPCAP3 Compression Used Physical Capacity. The total amount of capacity stored on media. This is the raw physical capacity that has been consumed after compression techniques:  18  |                  |      |                 |          |   |           |  |
|--|------------------|------|-----------------|----------|---|-----------|--|
| shows the estimated value if this extent was a Compression extent.    1  | ļ                |      |                 |          |   |           | SSGEPFLG (Extent Pool Summary  |
| extent was a Compression extent.  Compression under Physical Capacity.  Capacity.  The total amount of capacity stored on media. This is the raw physical capacity that has been consumed after compression techniques.  If SNGECIE (Compression Extents) in SNGEPTIG (Extent Pool Summary Flags) is set, this information shows the estimate for non-Compression extents.  Capacity.  Capacity.  The total amount of capacity that has been consumed after compression extent.  Capacity.  Capacity.  The total amount of capacity that addressable space. It is total addressable space. It is total addressable space. It is total addressable space. It is total addressable space. It is total addressable space. It is total affective capacity.  If SNGELE (Compression Extents) in SNGEPTIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Extents in SNGEPTIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Extents in SNGEPTIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Extents in SNGEPTIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Extents in SNGEPTIG (Extent Pool Summary Flags) is set, this information information Extents in SNGEPTIG (Extent Pool Summary Flags) is set, this information Extents in SNGEPTIG (Extent Pool Summary Flags) is set, this information Extents in SNGEPTIG (Extent Pool Summary Flags) is set, this information Extents in SNGEPTIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression Extents) in SNGEPTIG (Extent Pool Summary Flags) is set, this information information Extents in SNGEPTIG (Extent Pool Summary Flags) is set, this information information Extents in SNGEPTIG (Extent Pool Summary Flags) is set, this information Ex | !                |      |                 |          |   |           |  |
| Compression Used Physical Capacity.  The total amount of capacity stored on media. This is the raw physical capacity that has been consumed after compression techniques.  If SEGUTI (Compression Information Estimate for non-Compression Extents) in SEGEFFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Extents) In Capacity.  The total amount of capacity that can be written. This is the total addressable equal. List total Logical Block Addressable (LEA) range. Also referred to as total effective capacity.  If SEGETE (Compression Textents) in SEGEFFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Textents in SEGEFFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Used Logical Capacity that has been written from the host. This is the written addressed space before any compression textent.  Compression Extents) in SEGEFFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression Extent.  Compression Extents) in SEGEFFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression Extent.  Compression Extents) in SEGEFFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression Extents.  This is the written addressed space before any compression extent.  Compression Extents in SEGEFFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Extents in SEGEFFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Extents in SEGEFFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   | !                |      |                 |          |   |           |  |
| Capacity. The total amount of capacity stored on media. This is the raw physical capacity that has been consumed after compression techniques.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information can be written. This is the total addressable space. It is total addressable space. It is total Logical Block Addressable (LEA) range. Also referred to as total effective capacity.  If SSGECIE (Compression extent. Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent. Compression extent. Compression extent. Compression extent. Compression extent was a compression extent. Compression extent was extent  | !                |      |                 |          |   |           |  |
| The total amount of capacity stored on media. This is the raw physical capacity that has been consumed after compression techniques.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Capacity.  The total amount of capacity that can be written. This is the total addressable space. It is total Logical Block Addressable (LRA) range. Also referred to as total effective capacity.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Used Logical Capacity that can be written from the host. This is the written addressed space before any compression extent.  Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Extents of the compression extent.  Compression Extents of the compression in the host. This is the written addressed space before any compression in Extents. In SSGEPFLG (Extent Pool Summary Flags) is set, this information in SSGEPFLG (Extent Pool Summary Flags) is set, this information in SSGEPFLG (Extent Pool Summary Flags) is set, this information in SSGEPFLG (Extent Pool Summary Flags) is set, this information in SSGEPFLG (Extent Pool Summary Flags) is set, this information in Information Estimate for non-Compression Extents) in SSGECPLG (Extent Pool Summary Flags) is set, this information in Information Estimate for non-Compression Extents in SSGECPLG (Extent Pool Summary Flags) is set, this information in Information Estimate for non-Compression Extents in SSGEPFLG (Extent Pool Summary Flags) is set, this information in Information Estimate for non-Compression Extents in SSGEPFLG (Extent Pool Summary Flags) is set, this information is set to 0 if the Used Physical Capacity is 0 | 38               | 4 (1 | 80)             | UNSIGNED | 8 | SSGUPCAP3 |  |
| stored on media. This is the raw physical capacity that has been consumed after compression techniques.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information settents acompression extent.  392 (188) UNSIGNED 8 SSGTLCAP3 Compression Total Logical Capacity.  The total amount of capacity that can be written. This is the total addressable space. It is total Logical Block Addressable (IRBA) range. Also referred to as total effective capacity. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  400 (190) UNSIGNED 8 SSGULCAP3 Compression Used Logical Capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity. If SSGECIE (Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent. Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent. Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information in shows the estimated value if this extent was a Compression extent. Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information in shows the estimated value if this extent was a Compression extent. Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information in shows the estimated value if this extent was a Compression extent.   | !                |      |                 |          |   |           |  |
| physical capacity that has been consumed after compression techniques. If SSGECIF (Compression Information Estimate for non-Compression Extents) in SSGEFFIG (Extent Fool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent. Capacity. The total amount of capacity that can be written. This is the total addressable space. It is total Logical Block Addressable (LBA) range. Also referred to as total effective capacity. If SSGECIF (Compression Extents) in SSGEFFIG (Extent Fool Summary Flags) is set, this information shows the estimate for non-Compression extent. Compression Extents) in SSGEFFIG (Extent Fool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent. This is the written addressed space for eny compression feeling in SSGEFFIG (Extent Fool Summary Flags) is set, this information techniques have been performed. Also referred to as used effective capacity. If SSGECIF (Compression Extents) in SSGEFFIG (Extent Fool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent. Compression Extents) in SSGEFFIG (Extent Fool Summary Flags) is set, this information shows the estimated value if this extent value is 100 times the Used Logical Capacity (SSGULCAP3). This will be set to 0 if the Used Physical Capacity (SGGULCAP3). This will be set to 0 if the Used Physical Capacity (SGGULCAP3). This will be set to 0 if the Used Physical Capacity (SGGULCAP3). This will be set to 0 if the Used Physical Capacity (SGGULCAP3). This will be set to 0 if the Used Physical Capacity (SGGULCAP3). This will be set to 0 if the Used Physical Capacity (SGGULCAP3). This will be set to 0 if the Used Physical Capacity (SGGULCAP3). This will be set to 0 if the Used Physical Capacity (SGGULCAP3). This will be set to 0 if the Used Physical Capacity (SGGULCAP3). This will be set to 0 if the Used Physical Capacity (SGGULCAP3). This will be set to 0 if the Used Physical Capacity (SGGULCAP3).        | ı                |      |                 |          |   |           |  |
| consumed after compression techniques.  If SSGECIE (Compression Information Setimate for non-Compression Extents) in SSGEPTIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  392 (188) UNSIGNED 8 SSGTLCAP3 Compression Total Logical Capacity.  If SSGECIE (Compression extent) in SGEPTIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Total Logical Capacity The total and the stimate of the | I                |      |                 |          |   |           |  |
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| shows the estimated value if this extent was a Compression extent.  400 (190) UNSIGNED 8 SSGULCAP3 Compression Used Logical Capacity The total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  408 (198) UNSIGNED 4 SSGCPRAT3 Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGULCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   |                  |      |                 |          |   |           |  |
| extent was a Compression extent.  Compression Used Logical Capacity The total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed.  Also referred to as used effective capacity.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGULCAP3). This will be set to 0 if the Used Physical Capacity is 0.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  | !                |      |                 |          |   |           |  |
| Compression Used Logical Capacity The total amount of capacity that has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent. Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  | !                |      |                 |          |   |           |  |
| The total amount of capacity that has been written from the host. This is the written from the host. This is the written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  408 (198) UNSIGNED 4 SSGCPRAT3 Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   |                  |      |                 |          |   |           | -  |
| has been written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  408 (198) UNSIGNED 4 SSGCPRAT3 Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  | 40               | 0 (1 | 90)             | UNSIGNED | 8 | SSGULCAP3 |  |
| This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  A08 (198) UNSIGNED 4 SSGCPRAT3 Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGULCAP3). This will be set to 0 if the Used Physical Capacity is 0.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  | I                |      |                 |          |   |           |  |
| space before any compression techniques have been performed. Also referred to as used effective capacity. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent. Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFIG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  | !                |      |                 |          |   |           |  |
| techniques have been performed. Also referred to as used effective capacity. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSCEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  408 (198) UNSIGNED 4 SSGCPRAT3 Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   | I                |      |                 |          |   |           |  |
| Also referred to as used effective capacity.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   | I                |      |                 |          |   |           | space before any compression   |
| effective capacity.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  | I                |      |                 |          |   |           | techniques have been performed.  |
| If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  408 (198) UNSIGNED 4 SSGCPRAT3 Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  | I                |      |                 |          |   |           | Also referred to as used   |
| Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  408 (198) UNSIGNED 4 SSGCPRAT3 Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   | I                |      |                 |          |   |           | effective capacity.  |
| non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  408 (198) UNSIGNED 4 SSGCPRAT3 Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   | I .              |      |                 |          |   |           | If SSGECIE (Compression  |
| SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent. Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   | I .              |      |                 |          |   |           | Information Estimate for   |
| Flags) is set, this information shows the estimated value if this extent was a Compression extent.  408 (198) UNSIGNED 4 SSGCPRAT3 Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3).  This will be set to 0 if the Used Physical Capacity is 0.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   | I                |      |                 |          |   |           | non-Compression Extents) in  |
| shows the estimated value if this extent was a Compression extent.  408 (198) UNSIGNED 4 SSGCPRAT3 Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3).  This will be set to 0 if the Used Physical Capacity is 0.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   | I .              |      |                 |          |   |           | SSGEPFLG (Extent Pool Summary  |
| extent was a Compression extent.  Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3).  This will be set to 0 if the Used Physical Capacity is 0.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  | I .              |      |                 |          |   |           | Flags) is set, this information  |
| 408 (198) UNSIGNED 4 SSGCPRAT3 Compression Ratio for the Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3).  This will be set to 0 if the Used Physical Capacity is 0.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   | I                |      |                 |          |   |           | shows the estimated value if this  |
| Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  | I and the second |      |                 |          |   |           | extent was a Compression extent.   |
| Extent Pool. This value is 100 times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  | 1 40             | 8 (1 | 98)             | UNSIGNED | 4 | SSGCPRAT3 | Compression Ratio for the  |
| times the Used Logical Capacity (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3). This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   |                  |      |                 |          |   |           |  |
| (SSGULCAP3) divided by the Used Physical Capacity (SSGUPCAP3).  This will be set to 0 if the Used Physical Capacity is 0.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   |                  |      |                 |          |   |           |  |
| Physical Capacity (SSGUPCAP3).  This will be set to 0 if the  Used Physical Capacity is 0.  If SSGECIE (Compression  Information Estimate for  non-Compression Extents) in  SSGEPFLG (Extent Pool Summary  Flags) is set, this information  shows the estimated value if this  extent was a Compression extent.  | i                |      |                 |          |   |           |  |
| This will be set to 0 if the Used Physical Capacity is 0. If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  |                  |      |                 |          |   |           |  |
| Used Physical Capacity is 0.  If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  |                  |      |                 |          |   |           |  |
| If SSGECIE (Compression Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  |                  |      |                 |          |   |           |  |
| Information Estimate for non-Compression Extents) in SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  |                  |      |                 |          |   |           |  |
| non-Compression Extents) in  SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.  |                  |      |                 |          |   |           | · · · ·  |
| SSGEPFLG (Extent Pool Summary Flags) is set, this information shows the estimated value if this extent was a Compression extent.   |                  |      |                 |          |   |           |  |
| Flags) is set, this information shows the estimated value if this extent was a Compression extent.   |                  |      |                 |          |   |           |  |
| shows the estimated value if this extent was a Compression extent.   |                  |      |                 |          |   |           |  |
| extent was a Compression extent.   |                  |      |                 |          |   |           |  |
| · · · · · · · · · · · · · · · · · · ·  |                  |      |                 |          |   |           |  |
| HIZ (19C) UNSIGNED 4 . Keserved  | 41               | 2 /1 | OC)             | INCTONED | 4 | +         | -  |
|  | 41.              | 2 (1 | <del>5</del> C) | ONSIGNED | 4 |           | vezetiked  |

| 416<br> <br> <br> <br> <br> <br> <br> <br>   | (1A0) | UNSIGNED  | 8 | SSGSGRUL3 | Compression Reserved Used Logical Capacity The reserved amount of capacity that can be written from the host. This is the written addressed space before any compression techniques have been performed. Also referred to as used effective capacity.  |
|--|-------|-----------|---|-----------|--|
| 424<br> <br> <br> <br> <br>  | (1A8) | UNSIGNED  | 8 | SSGSGRUP3 | Compression Reserved Used Physical Capacity The reserved amount of capacity to be stored on media. This is the raw physical capacity that can be consumed after compression techniques.  |
| 432<br> <br> <br> <br> <br> <br>   | (1BO) | UNSIGNED  | 1 | SSGSGELP3 | Compression techniques.  Compression Extent Limit  Percentage  This value indicates the maximum  percentage of the Compression  Physical Capacity that is  allowed to be allocated in this  extent pool.   |
| 433<br>  | (181) | UNSIGNED  | 1 | SSGSGETP3 | Compression Extent Threshold Percentage This value is used to set the state in Compression Extent Status (SSGSGCES3) and represents a percentage that is compared against the Available Compression Physical Capacity Percentage. The Available Physical Capacity Percentage may be calculated using the formula: ((Compression Total Physical Capacity (SSGTPCAP3) - Compression Used Physical Capacity (SSGUPCAP3)) / Compression Total Physical Capacity (SSGTPCAP3)) * 100   |
| 434<br> <br> |       | UNSIGNED  | 5 | *         | Capacity (SSGTPCAP3)) * 100 Compression Extent Status Set to one of the following values: 00 - The percentage of the    Available Compression    Extents is greater than    zero and is greater than    the extent threshold. 01 - The percentage of the    Available Compression    Extents is greater than    zero and is less than the    extent threshold. 10 - The percentage of the    Available Compression    Extent threshold. 10 - The percentage of the    Available Compression    Extents is zero. When set to '01' or '10', SSGECWP3 (Compression Capacity at or below Warning Percentage) is set to '1'. Reserved |
| 440  | (1B8) | UNSIGNED  | 4 | SSGSGARC3 | SGC Backup Volumes Allocated   |
|  | (150) | INICIONES |   | 000000000 | Real Capacity  |
| 444  | (IBC) | UNSIGNED  | 4 | SSGCSGVC3 | Configured SGC Backup Volumes  |

| <br> | 448         | (1C0)  | UNSIGNED               | 64           | *           | Virtual Capacity Reserved                      |
|------|-------------|--------|------------------------|--------------|-------------|--|
|      |             | The ne | xt three fi            | elds are     | 32k bitmaps |  |
| =    | 512<br>4608 | • •    | BITSTRING<br>BITSTRING | 4096<br>4096 | SSGEPOPV3   | Standard (FP) Vols Extent Space Efficient Vols |
| I    | 8704        | (2200) | BITSTRING              | 4096         | SSGEPSEV3   | Track Space Efficient Vols (Legacy)            |
|      | 12800       | (3200) | BITSTRING              | 4096         | SSGEPSGC3   | Safeguarded Copy<br>Backup Vols                |