

# Hitachi Copy Manager for IBM® TPF

## BI\_2

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## Messages and Codes

This document lists the error codes output by the Hitachi Copy Manager for IBM® TPF software.

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# Preface

This document lists the error codes output by the Hitachi Copy Manager for IBM® TPF software. This document is maintained in the standard IBM® format and may be utilized by coverage and operations as a standalone document.

Please maintain a copy of this document for reference purposes.

## Intended audience

This document is intended for system administrators, Hitachi Vantara representatives, and Authorized Service Providers who are involved in installing, configuring, and operating the Hitachi RAID storage systems.

This document assumes the following:

- The user has a background in data processing and understands direct-access storage device (DASD) systems and their basic functions.
- The user is familiar with the Hitachi RAID storage system (for example, Virtual Storage Platform) and has read the *User and Reference Guide* for the storage system.
- The user is familiar with Hitachi ShadowImage, Hitachi TrueCopy, and Hitachi Universal Replicator.
- The user is familiar with the data replication requirements.
- The user is familiar with the IBM® Transaction Processing Facility operating system (TPF, z/TPF) and the IBM® host system (S/390®, z/OS®).
- The user is familiar with IBM® TPF DASD I/O concepts and support.

## Product version

This document revision applies to Copy Manager for TPF version BI\_2 or later.

## Changes in this revision

- Add set ENABLE/DISABLE parameter/option for SETREC.
- Add FORCEALLPATHS parameter/option for PATH.
- Add FIRSTDEV, LASTDEV, DEVA, DEVB, and SHOWAB parameters for pair status requests.
- Add FIRSTDEV, LASTDEV, DEVA, DEVB, and SHOWAB parameters for monitor requests.
- Add CCW 27 18 02 (Read cache write id) to UTILITY CCW.
- Add SITEOPTION DIAGNOSTICS to control if the first in chain CCW parameters are displayed when an IO error is encountered.
- Add ONLYSYSH option (only system heap requested, no record read requested) for the FDRSC macro.
- Add the failed CCW parameters to the IO error display (SITEOPTION controlled).
- Add the pair information in the IO error display.
- Add SSB 23A3 to the IO error description.
- Qualified Copy Manager support for the VSP 5000 series.
- Update pair status display to show copy percent if no prior replication request saved.
- Update FDRSC FREEHEAP to only free system heap. setname, FARF address, and data level use are no longer validate for FDRSC FREEHEAP request.
- Correction for HUR and TC sets. Ignore the SITEOPTION VERIFYTVOFFLINE for HUR and TC sets.
- Correct EXCTG STATUS display when no EXCTG is defined/active.
- Correct utility program prefix messages.
- Correct miscellaneous help screens.
- Miscellaneous Copy Manager manual updates.

## Referenced documents

- *Hitachi Copy Manager for IBM® TPF Administrator's Guide*, MK-92RD129
- *Hitachi Copy Manager for IBM® TPF Operations Guide*, MK-92RD131

## Document conventions





This document uses the following terminology conventions:

Convention	Description
Hitachi RAID storage system, storage system	Refers to all supported models of the Hitachi RAID storage systems unless otherwise noted.
TPF	Refers to all IBM® TPF operating systems (TPF, z/TPF) unless otherwise noted.

This document uses the following typographic conventions:

Convention	Description
<b>Bold</b>	Indicates text on a window, other than the window title, including menus, menu options, buttons, fields, and labels. Example: Click <b>OK</b> .
<i>Italic</i>	Indicates a variable, which is a placeholder for actual text provided by the user or system. Example: copy <i>source-file target-file</i> <b>Note:</b> Angled brackets (< >) are also used to indicate variables.
screen/code	Indicates text that is displayed on screen or entered by the user. Example: # pairedisplay -g oradb
< > angled brackets	Indicates a variable, which is a placeholder for actual text provided by the user or system. Example: # pairedisplay -g <group> <b>Note:</b> Italic font is also used to indicate variables.
[ ] square brackets	Indicates optional values. Example: [ a   b ] indicates that you can choose a, b, or nothing.
{ } braces	Indicates required or expected values. Example: { a   b } indicates that you must choose either a or b.
vertical bar	Indicates that you have a choice between two or more options or arguments. Examples: [ a   b ] indicates that you can choose a, b, or nothing. { a   b } indicates that you must choose either a or b.
underline	Indicates the default value. Example: [ <u>a</u>   b ]

This document uses the following icons to draw attention to information:

Icon	Meaning	Description
	Note	Calls attention to important and/or additional information.
	Tip	Provides helpful information, guidelines, or suggestions for performing tasks more effectively.
	Caution	Warns the user of adverse conditions and/or consequences (for example, disruptive operations).
	WARNING	Warns the user of severe conditions and/or consequences (for example, destructive operations).

## Convention for storage capacity values

Physical storage capacity values (for example, disk drive capacity) are calculated based on the following values:

Physical capacity unit	Value
1 KB	1,000 bytes
1 MB	1,000 <sup>2</sup> bytes
1 GB	1,000 <sup>3</sup> bytes
1 TB	1,000 <sup>4</sup> bytes
1 PB	1,000 <sup>5</sup> bytes
1 EB	1,000 <sup>6</sup> bytes

Logical storage capacity values (for example, logical device capacity) are calculated based on the following values:

Logical capacity unit	Value
1 block	512 bytes
1 cylinder	Mainframe: 870 KB Open-systems: <ul style="list-style-type: none"><li>▪ OPEN-V: 960 KB</li><li>▪ Other than OPEN-V: 720 KB</li></ul>
1 KB	1,024 bytes
1 MB	1,024 KB or 1,024 <sup>2</sup> bytes
1 GB	1,024 MB or 1,024 <sup>3</sup> bytes
1 TB	1024 GB or 1,024 <sup>4</sup> bytes
1 PB	1,024 TB or 1,024 <sup>5</sup> bytes
1 EB	1,024 PB or 1,024 <sup>6</sup> bytes

## Accessing Product Documentation

Product user documentation is available on Hitachi Vantara Support Connect: <https://knowledge.hitachivantara.com/Documents>. Check this site for the most current documentation, including important updates that may have been made after the release of the product.



## Getting Help

[Hitachi Vantara Support Connect](https://support.hitachivantara.com/en_us/contact-us.html) is the destination for technical support of products and solutions sold by Hitachi Vantara. To contact technical support, log on to Hitachi Vantara Support Connect for contact information: [https://support.hitachivantara.com/en\\_us/contact-us.html](https://support.hitachivantara.com/en_us/contact-us.html).

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## Comments

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**Thank you!**



# Overview of Hitachi Copy Manager for IBM® TPF

The Hitachi Copy Manager for IBM® TPF software allows Transaction Processing Facility (TPF) users to control DASD copy functions on Hitachi RAID storage systems from TPF. Copy Manager for TPF provides a TPF interface that is simple to install and use. With one TPF operator entry, the TPF user can control sessions on the following Hitachi products over the entire TPF complex: ShadowImage (local copy), synchronous TrueCopy (remote copy), or Hitachi Universal Replicator (remote copy). Copy Manager for TPF provides users the ability to establish, split, delete, and resume those sessions with one entry. With no TPF control program changes, Copy Manager for TPF requires minimal effort to incorporate into a TPF complex.

This document lists the Copy Manager for TPF messages and error codes. For more information about Copy Manager for TPF operations, please refer to the *Hitachi Copy Manager for TPF Administrator's Guide* and/or the *Hitachi Copy Manager for TPF Operations Guide*.



## Messages

This chapter lists the error codes output by the Hitachi Copy Manager for TPF software in numerical order and provides the following information for each error code:

- Explanation
- System action
- User response
- Example

## Messages 1-99

### 3. FDRS0003E

-----  
FDRS0003E ONLY ONE SPEED PARAMETER ALLOWED

**Explanation:** The input message contained more than one speed parameter.

**System Action:** None.

**User Response:** Enter the functional message again with only one speed parameter.

**Example:**

```
zfdrs est set-set2 slow fast  
FDRS0003E 13.17.19 ONLY ONE SPEED PARAMETER ALLOWED+
```

### 4. FDRS0004E

-----  
FDRS0004E ONLY ONE DEVICE PARAMETER ALLOWED

**Explanation:** The input message contained more than one type of device.

**System Action:** None.

**User Response:** Enter the functional message again with only one type of device.

**Note:** If more than one DEV- parameter is entered, the last DEV- address is used.

**Example:**

```
zfdrs res set-set2 dev-5400 all ssid-a000  
FDRS0004E 13.14.46 ONLY ONE DEVICE PARAMETER ALLOWED+
```

### 5. FDRS0005E

-----  
FDRS0005E ONLY ONE DETAIL PARAMETER ALLOWED

**Explanation:** The input message contained more than one filter detail.

**System Action:** None.

**User Response:** Enter the functional message again with only one filter detail.

**Example:**

```
zfdrs st set-set2 pendduplex splitopr duplex invalid  
FDRS0005E 13.12.10 ONLY ONE DETAIL PARAMETER ALLOWED+
```

## 6. FDRS0006E

---

FDRS0006E      INVALID DEVICE – SSID IS ZERO

**Explanation:** The message is issued when a STATUS message for an individual device is issued and the device has a zero SSSID or a zero TSSID in the configuration table.

**System Action:** None.

**User Response:** Enter a CONFIG CHA entry for the device with a valid SSSID or TSSID value.

**Example:**

<pre>zfdrs st set-set3 dev-5400 FDRS0006E 14.06.44 INVALID DEVICE - SSID IS ZERO+</pre>
---

## 15. FDRS0015E

---

FDRS0015E      CONFIG CHANGE REQUIRES AT LEAST ONE PARAMETER INPUT

**Explanation:** The CONFIG CHANGE input message did not contain any parameters to change.

**System Action:** None.

**User Response:** Enter the functional message again with the parameters that you want to change.

**Example:**

<pre>zfdrs config cha dev-5400 set-set2 FDRS0015E 13.48.46 CONFIG CHANGE REQUIRES AT LEAST ONE PARAMETER INPUT</pre>
--

## 16. FDRS0016I

---

### FDRS0016I      RECORD INITIALIZED

**Explanation:** The message is issued in response to a satisfactory initialization of one of Copy Manager for TPF's control records.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs config init set-set3 password-secret
FDRS0016I 14.36.17 RECORD INITIALIZED+

zfdrs dba config init dbn-area3 password-secret
FDRS0016I 14.36.17 RECORD INITIALIZED+

zfdrs offrec init password-secret
FDRS0016I 08.57.46 RECORD INITIALIZED+

zfdrs rcurec init password-secret
FDRS0016I 08.58.13 RECORD INITIALIZED+

zfdrs setrec init password-secret
FDRS0016I 08.58.38 RECORD INITIALIZED+

zfdrs copymgr init password-secret
FDRS0016I 08.59.04 RECORD INITIALIZED+

zfdrs dbrec init password-secret
FDRS0016I 08.59.04 RECORD INITIALIZED+

zfdrs excrec init password-secret
FDRS0016I 08.59.04 RECORD INITIALIZED+

zfdrs refrec init password-secret
FDRS0016I 08.59.04 RECORD INITIALIZED+

zfdrs hisrec init password-secret
FDRS0016I 08.59.04 RECORD INITIALIZED+
```



## 17. FDRS0017E

---

FDRS0017E     ITEM DOES NOT EXIST IN CONFIG RECORD

**Explanation:** The device address in the input message does not exist in the requested copy pair configuration definition record.

**System Action:** None.

**User Response:** Enter the functional message again with the correct device address.

**Example:**

```
zfdrs config cha set-set3 dev-5401 svol-01
FDRS0017E 10.30.36 ITEM DOES NOT EXIST IN CONFIG RECORD
```

## 18. FDRS0018E

---

FDRS0018E     DEVICE xxxx DOES NOT EXIST

**Explanation:** The device address in the input message does not exist in the requested copy pair configuration definition record.

**System Action:** None.

**User Response:** Enter the functional message again with the correct device address.

**Example:**

```
zfdrs est set-set3 dev-5508
FDRS0018E 12.57.51 DEVICE 5508 DOES NOT EXIST+

zfdrs config rem set-set3 dev-5508
FDRS0018E 13.01.03 DEVICE 5508 DOES NOT EXIST+
```

## 19. FDRS0019I

---

FDRS0019I     (Set Copy Type) ITEM REMOVED

**Explanation:** The message is issued in response to a satisfactory removal of an item from the requested copy pair configuration definition record.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs config rem set-set3 dev-5500
FDRS0019I 13.03.25 SHADOWIMAGE ITEM(S) REMOVED+
```

## 20. FDRS0020I

---

FDRS0020I (Set Copy Type) ITEM ADDED

**Explanation:** The message is issued in response to a satisfactory addition of an item to the requested copy pair configuration definition record.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrrs con add set-set3 d-5401 sse-36146 sv-01 sl-00 sss-a000 tv-51 tl-00 tss-a001
FDRS0020I 13.08.23 SHADOWIMAGE ITEM(S) ADDED+
```

## 22. FDRS0022E

---

FDRS0021E NO MATCHING ITEMS FOUND IN CONFIG RECORD

**Explanation:** The device address in the input message does not exist in the requested copy pair configuration definition record.

**System Action:** None.

**User Response:** Enter the functional message again with the correct device address.

**Example:**

```
zfdrrs con dis set-set3 dev-5500
FDRS0022E 13.16.57 NO MATCHING ITEMS FOUND IN CONFIG RECORD
```

## 23. FDRS0023I

---

FDRS0023I (Set Copy Type) ITEM CHANGED

**Explanation:** The message is issued in response to a satisfactory change to the information about a device in the requested copy pair configuration definition record.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrrs con cha set-set3 dev-5400 sv-00
FDRS0023I 13.42.26 SHADOWIMAGE ITEM(S) CHANGED+
```

## 24. FDRS0024I

---

FDRS0024I (Set Copy Type) CONFIG RECORD IS EMPTY

**Explanation:** The message is issued in response to a CONFIG request when the request set's copy pair configuration definition record is empty.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs config dis set-set3
FDRS0024I 13.48.49 SHADOWIMAGE CONFIG RECORD IS EMPTY+

zfdrs config dis set-set3 dev-5500
FDRS0024I 13.49.24 SHADOWIMAGE CONFIG RECORD IS EMPTY+

zfdrs config rem set-set3 dev-5500
FDRS0024I 13.49.49 SHADOWIMAGE CONFIG RECORD IS EMPTY+
```

## 25. FDRS0025E

---

FDRS0025E CANNOT ADD (Set Copy Type) ITEM – DEVICE ALREADY EXISTS

**Explanation:** The message is issued in response to a CONFIG ADD request when the requested device is already in the requested copy pair configuration definition record .

**System Action:** None.

**User Response:** Enter the functional message again with the corrected device address.

**Example:**

```
zfdrs con add set-set3 d-5400 sse-36146 sv-00 sl-00 sss-a000 tv-50 tl-00 tss-a001
FDRS0025E 13.56.50 CANNOT ADD SHADOWIMAGE ITEM - DEVICE ALREADY EXISTS+
```

## 26. FDRS0026E

---

FDRS0026E PROBLEM OBTAINING HEAP STORAGE FOR (Set Copy Type)

**Explanation:** The message is issued in response to a CONFIG REMOVE request when the heap storage resources are too low to satisfy a request for heap storage.

**System Action:** None.

**User Response:** Enter the functional message again when the system is not as busy and storage resources are available.

**Example:**

```
zfdrs con rem set-set3 dev-5400
FDRS0026E 14.09.59 PROBLEM OBTAINING HEAP STORAGE FOR SHADOWIMAGE+
```

## 27. FDRS0027E

---

FDRS0027E     SET DOES NOT EXIST

**Explanation:** The set's setname in the input message has not been defined by the ZFDRS SETREC ADD entry.

**System Action:** None.

**User Response:** Enter the functional message again with a valid setname.

**Example:**

```
zfdrs st set-set6
FDRS0027E 14.30.13 SETNAME DOES NOT EXIST+
```

## 28. FDRS0028E

---

FDRS0028E     ACTION NOT PERFORMED – FDCTC ERROR RETURN

**Explanation:** The message is issued when a STATUS message for an individual device is entered and there is an I/O error return from the FDCTC macro.

**System Action:** None.

**User Response:** Call a system programmer.

**Example:**

```
zfdrs st set-set3 dev-5000
FDRS0028E 14.24.06 ACTION NOT PERFORMED - FDCTC ERROR RETURN+
```

## 29. FDRS0029E

---

FDRS0029E ACTION NOT PERFORMED – DEVICE NOT MOUNTED

**Explanation:** The message is issued when a STATUS message for an individual device is entered and the requested device is not mounted to TPF.

**System Action:** None.

**User Response:**

- (1) Call the System Programmer.
- (2) Or, Enter the functional message again with an active TPF module address.
- (3) Or, Bring the TPF volume online to TPF.
- (4) Or, Correct the copy pair configuration definition record's device number (SDA).

If the error was not a typographical error in the set's copy pair configuration definition record, consider using the Offline volume command device feature (see the *Copy Manager for TPF Administrators Guide*).

**Example:**

```
zfdrs st set-set3 dev-5000
FDRS0029E 14.17.26 ACTION NOT PERFORMED - DEVICE NOT MOUNTED+
```

## 30. FDRS0030E

---

FDRS0030E ACTION NOT PERFORMED – INVALID MFST ADRS

**Explanation:** The message is issued when a STATUS message for an individual device is entered and the CIOSC macro has returned a zero MFST address.

**System Action:** None.

**User Response:** Call a system programmer.

**Example:**

```
zfdrs st set-set3 dev-5000
FDRS0030E 14.19.09 ACTION NOT PERFORMED - INVALID MFST ADRS+
```

### 31. FDRS0031E

---

FDRS0031E ACTION NOT PERFORMED – MUST BE SIMPLEX OR INVALID

**Explanation:** The CONFIG CHANGE or a SETREC CHANGE input message entered contained a device that is actively processing a copy function.

**System Action:** None.

**User Response:** Wait until the device is simplex, or, if the change is mandatory at this time, repeat the input message with the BP option.

**Example:**

```
zfdrs con ch set-set3 dev-5401 svol-01
FDRS0031E 14.38.24 ACTION NOT PERFORMED - MUST BE SIMPLEX OR INVALID+

zfdrs setrec cha set-set3 ord-17 bp
FDRS0031E 14.38.24 ACTION NOT PERFORMED - MUST BE SIMPLEX OR INVALID+
```

### 32. FDRS0032I

---

FDRS0032I (Set Copy Type) PAIRS SPLIT

**Explanation:** The message is issued in response to a satisfactory SPLIT request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs split set-set2
FDRS0032I 14.45.46 SHADOWIMAGE SPLIT REQUEST ISSUED
0 ERRORS ENCOUNTERED+
```

### 34. FDRS0034E

---

FDRS0034E DEVICE(S) NOT IN CORRECT STATE FOR ACTION REQUESTED  
– ENTER BP TO OVERRIDE

**Explanation:** An ESTABLISH, DELETE, RESUME, REVERSE RESUME or SPLIT entry was entered and at least one of the devices was not in the appropriate status to perform the requested action.

**System Action:** None.

**User Response:** If the requested action is desired, enter the functional message again with the BP option. If you use the BP option, consider using the siteoption stoponerr.

**Example:**

```
zfdrs split set-set2
FDRS0034E 14.59.55 DEVICE(S) NOT IN CORRECT STATE FOR
ACTION REQUESTED - ENTER BP TO OVERRIDE+
```

### 35. FDRS0035I

---

FDRS0035I (Set Copy Type) ESTABLISH STARTED

**Explanation:** The message is issued in response to a satisfactory request to ESTABLISH COPY PAIRS.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs est set-set2
FDRS0035I 15.18.43 SHADOWIMAGE ESTABLISH REQUEST ISSUED
0 ERRORS ENCOUNTERED+
```

### 36. FDRS0036I

---

FDRS0036I (Set Copy Type) PAIRS RESUMED

**Explanation:** The message is issued in response to a satisfactory request to perform a RESUME COPY PAIRS.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs resume set-set2
FDRS0036I 06.56.39 SHADOWIMAGE RESYNC/RESUME REQUEST ISSUED
0 ERRORS ENCOUNTERED+
```

### 38. FDRS0038E

---

FDRS0038E (Set Copy Type) ORDINAL xxx FIND ERROR

**Explanation:** The message is issued when there is a find error for the requested set's copy pair configuration definition record.

**System Action:** None.

**User Response:** Call your system programmer.

**Example:**

```
ZFDRS ST SET-SET3
FDRS0038E 14.36.39 SHADOWIMAGE ORDINAL 200 FIND ERROR+
```

### 39. FDRS0039I

---

FDRS0039I (Set Copy Type) PAIRS DELETED

**Explanation:** The message is issued in response to a satisfactory DELETE of COPY PAIRS.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs delete set-set2
FDRS0039I 08.56.38 SHADOWIMAGE DELETE REQUEST ISSUED
0 ERRORS ENCOUNTERED+
```

### 41. FDRS0041E

---

FDRS0041I (Set Copy Type) DEVICE xxxx not found

**Explanation:** The message is issued in response to a STATUS request for a single device that is not in the requested copy pair configuration definition record.

**System Action:** None.

**User Response:** Enter the functional message again with the correct device address.

**Example:**

```
zfdrs st set-set3 dev-7000
FDRS0041I 09.00.40 DEVICE 7000 NOT FOUND+
```

### 42. FDRS0042I

---

FDRS0042I START OF (Set Copy Type) STATUS – SET=setname

**Explanation:** The message is issued in response to a satisfactory STATUS request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs st set-50a2
FDRS0042I 06.55.20 START OF SHADOWIMAGE STATUS - SET-50A2
A RESYNC WAS ISSUED ON 24/08/12 AT 07:21:20
NO PRESET TIMESTAMP RECORDED
PERCENT LEFT TO COPY IS 1 _
SIMPLEX - 0
DUPLEX - 0
PENDING DUPLEX - 0
SPLIT BY OPER - 0
SPLIT BY EXC - 0
PENDING SPLIT - 0
VIRTUAL SPLIT - 0
RE-SYNC - 100
```



```

REV RE-SYNC      -      0
INVALID          -      0
END OF SHADOWIMAGE STATUS+

zfdrs st set-50a1
FDRS0042I 06.55.20 START OF SHADOWIMAGE STATUS - SET-50A1
A PRESET        WAS ISSUED ON 21/08/12 AT 13:55:24
LAST PRESET DEF TIME WAS ON 21/08/12 AT 13:55:00
PERCENT LEFT TO COPY IS    0  _
SIMPLEX         -      0
DUPLEX          -      0
PENDING DUPLEX  -      0
SPLIT BY OPER   -    100
SPLIT BY EXC    -      0
PENDING SPLIT   -      0
VIRTUAL SPLIT   -      0
RE-SYNC         -      0
REV RE-SYNC     -      0
INVALID         -      0
END OF SHADOWIMAGE STATUS+

zfdrs st set-2x2build
FDRS0042I 12.39.10 START OF TRUECOPY STATUS - SET-2X2BUILD
A SPLIT        WAS ISSUED ON 04/27/12 AT 07:51:18
PERCENT LEFT TO COPY IS    0
SIMPLEX         -      0
DUPLEX          -      0
PENDING DUPLEX  -      0
SPLIT SVOL      -      0
SPLIT BY OPER   -     50  _
SPLIT BY TV PCU-    0  _
SPLIT BY CU     -      0
SPLIT TVOL SMPX-    0
SPLIT BY TVOL   -      0
SPLIT BY CU IML-    0
SPLIT INIT CPY  -      0
PENDING SPLIT   -      0
PENDING SIMPLEX-    0
SPLIT BY PS OFF-    0
INVALID         -      0
END OF TRUECOPY   STATUS+

zfdrs st set-r700_3400_hur1
FDRS0042I 12.24.59 START OF HUR STATUS - SET-R700_3400_HUR1
AN ESTABLISH    WAS ISSUED ON 11/08/13 AT 13:10:50
LOCAL PAIRS PERCENT LEFT TO COPY IS    0
      3 PAIR COUNTS3
      LOCAL HOPTAR
SIMPLEX         -      0      0  _
DUPLEX          -    100    100  _
PENDING DUPLEX  -      0      0
SPLIT TVOL      -      0      0
SPLIT BY OPER   -      0      0
SPLIT TVOL DKC  -      0      0
SPLIT DKC IN ST-    0      0
SPLIT TVOL SMPX-    0      0
SPLIT TV INT ST-    0      0
SPLIT BY IML    -      0      0
SPLIT INIT CPY  -      0      0
PENDING SPLIT   -      0      0  _
PENDING SIMPLEX-    0      0
SPLIT PS OFF    -      0      0
SPLIT DAT JNL   -      0      0
SPLIT DAT NOT J-    0      0

```

```

SPLIT DAT MAN J-      0      0
SPLIT RES FORCE-      0      0
SPLIT RES NO FO-      0      0
INVALID              -      0      0
UNDEFINED            -      0      0
END OF HUR              STATUS+

zfdrs st set-r800_a000_sil splitopr
FDRS0042I 07.42.29 START OF SHADOWIMAGE STATUS - SET-R800_A000_SI1
A SPLIT              WAS ISSUED ON 03/05/18 AT 13:06:43
VOLUMES THAT ARE STATUS OF SPLIT BY OPER (CODE 4)
DEV  SOURCE SER#  SV SL SSSID TARGET SER#  TV TL TSSID CG  SJN TJN MI PID % DIFF
A0D8 000000010081 18 03 790C 000000010081 38 0C 7930 00 00 00 00 00 1%
A0D7 000000010081 17 03 790C 000000010081 37 0C 7930 00 00 00 00 00 1%
A0D6 000000010081 16 03 790C 000000010081 36 0C 7930 00 00 00 00 00 1%
A0D5 000000010081 15 03 790C 000000010081 35 0C 7930 00 00 00 00 00 1%
A0D4 000000010081 14 03 790C 000000010081 34 0C 7930 00 00 00 00 00 1%
A0D3 000000010081 13 03 790C 000000010081 33 0C 7930 00 00 00 00 00 1%
A0D2 000000010081 12 03 790C 000000010081 32 0C 7930 00 00 00 00 00 1%
A0D1 000000010081 11 03 790C 000000010081 31 0C 7930 00 00 00 00 00 1%
A0D0 000000010081 10 03 790C 000000010081 30 0C 7930 00 00 00 00 00 1%
AOCF 000000010081 0F 03 790C 000000010081 2F 0C 7930 00 00 00 00 00 1%
AOCE 000000010081 0E 03 790C 000000010081 2E 0C 7930 00 00 00 00 00 1%
A0CD 000000010081 0D 03 790C 000000010081 2D 0C 7930 00 00 00 00 00 1%
A0CC 000000010081 0C 03 790C 000000010081 2C 0C 7930 00 00 00 00 00 1%
A0CB 000000010081 0B 03 790C 000000010081 2B 0C 7930 00 00 00 00 00 1%
MORE DATA AVAILABLE, ENTER ZPAGE TO CONTINUE+

zfdrs st set-r800_a000_sil d-A000
FDRS0042I 07.43.56 START OF SHADOWIMAGE STATUS - SET-R800_A000_SI1
A SPLIT              WAS ISSUED ON 03/05/18 AT 13:06:43
DEVICE A000 IS SPLIT BY OPER (CODE 4)
DEV  SOURCE SER#  SV SL SSSID TARGET SER#  TV TL TSSID CG  SJN TJN MI PID % DIFF
A000 000000010081 00 00 7900 000000010081 00 0B 792C 00 00 00 00 00 1%
END OF SHADOWIMAGE STATUS+

zfdrs st set-r800_b100_sil
CSMP0097I 20.08.00 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0042I 20.08.00 START OF SHADOWIMAGE STATUS - SET-R800_B100_SI1
A SPLIT              WAS ISSUED ON 04/03/21 AT 14:34:21
!! ***** THIS SET IS DISABLED ***** !!
!! ***** NO REPLICATION REQUEST ARE ALLOWED ***** !!
!! ***** ***** ***** ***** !!
PERCENT LEFT TO COPY IS 1
SIMPLEX              - 0
DUPLEX               - 0
PENDING DUPLEX       - 0
SPLIT BY OPER        - 100
SPLIT BY EXC         - 0
PENDING SPLIT        - 0
VIRTUAL SPLIT        - 0
RE-SYNC              - 0
REV RE-SYNC          - 0
INVALID              - 0
END OF SHADOWIMAGE STATUS+

<23:07:53> zfdrs st set-r800_b100_sil firstdev-b180
zfdrs st set-r800_b100_sil firstdev-b180
CSMP0097I 20.08.53 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0042I 20.08.53 START OF SHADOWIMAGE STATUS - SET-R800_B100_SI1
***** PAIR STATUS RANGE FIRST DEVICE - B180 LAST DEVICE- FFFF *****
A SPLIT              WAS ISSUED ON 04/03/21 AT 14:34:21
PERCENT LEFT TO COPY IS 1
SIMPLEX              - 0

```

```

DUPLEX          -      0
PENDING DUPLEX -      0
SPLIT BY OPER  -     50
SPLIT BY EXC   -      0
PENDING SPLIT  -      0
VIRTUAL SPLIT  -      0
RE-SYNC        -      0
REV RE-SYNC    -      0
INVALID        -      0
END OF SHADOWIMAGE STATUS+

zfdrrs st set-r800_b100_si1 firstdev-b180 lastdev-b188
CSMP0097I 20.09.20 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0042I 20.09.20 START OF SHADOWIMAGE STATUS - SET-R800_B100_SI1
***** PAIR STATUS RANGE FIRST DEVICE - B180 LAST DEVICE- B188 *****
A SPLIT WAS ISSUED ON 04/03/21 AT 14:34:21
PERCENT LEFT TO COPY IS 1
SIMPLEX        -      0
DUPLEX         -      0
PENDING DUPLEX -      0
SPLIT BY OPER  -      9
SPLIT BY EXC   -      0
PENDING SPLIT  -      0
VIRTUAL SPLIT  -      0
RE-SYNC        -      0
REV RE-SYNC    -      0
INVALID        -      0
END OF SHADOWIMAGE STATUS+

zfdrrs st set-r800_b100_tc1 showab
CSMP0097I 20.16.38 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0436I 20.16.38 START OF TRUECOPY STATUS - SET-R800_B100_TC1
AN ESTABLISH WAS ISSUED ON 04/05/21 AT 20:11:27
DEVICE A PERCENT LEFT TO COPY IS 93
DEVICE B PERCENT LEFT TO COPY IS 92
      3 PAIR COUNTS 3
      DEVA    DEVB
SIMPLEX      -      0      0
DUPLEX       -      0      0
PENDING DUPLEX -    75    25
SPLIT SVOL   -      0      0
SPLIT BY OPER -      0      0
SPLIT BY TV PCU-      0      0
SPLIT BY CU   -      0      0
SPLIT TVOL SMPX-      0      0
SPLIT BY TVOL -      0      0
SPLIT BY CU IML-      0      0
SPLIT INIT CPY -      0      0
PENDING SPLIT -      0      0
PENDING SIMPLEX-      0      0
SPLIT BY PS OFF-      0      0
INVALID      -      0      0
END OF TRUECOPY STATUS+

```

### 53. FDRS0052I

FDRS0052I BEGIN (Set Copy Type) DISPLAY - SET=setname

**Explanation:** The message is issued in response to a satisfactory CONFIG DISPLAY entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs con dis set-r700_7000_hur1
FDRS0052I 06.47.36 BEGIN HUR DISPLAY- SET-R700_7000_HUR1
PAIR COUNT - 100
DEV  SOURCE SER#  SV SL SSSID TARGET SER#  TV TL TSSID CG SJN TJN MI PID SRCE
7000 000000054118 00 00 0400 000000065423 00 40 0640 00 33 33 03 00 N _
7100 000000054118 00 01 0404 000000065423 00 41 0641 00 32 32 03 00 N
7200 000000054118 00 02 0408 000000065423 01 40 0640 00 33 33 03 00 N
7300 000000054118 00 03 040C 000000065423 01 41 0641 00 32 32 03 00 N _
7001 000000054118 01 00 0400 000000065423 02 40 0640 00 33 33 03 00 N _
7101 000000054118 01 01 0404 000000065423 02 41 0641 00 32 32 03 00 N
7201 000000054118 01 02 0408 000000065423 03 40 0640 00 33 33 03 00 N _
7301 000000054118 01 03 040C 000000065423 03 41 0641 00 32 32 03 00 N _
7002 000000054118 02 00 0400 000000065423 04 40 0640 00 33 33 03 00 N
7102 000000054118 02 01 0404 000000065423 04 41 0641 00 32 32 03 00 N _
7202 000000054118 02 02 0408 000000065423 05 40 0640 00 33 33 03 00 N
7302 000000054118 02 03 040C 000000065423 05 41 0641 00 32 32 03 00 N
7003 000000054118 03 00 0400 000000065423 06 40 0640 00 33 33 03 00 N _
7103 000000054118 03 01 0404 000000065423 06 41 0641 00 32 32 03 00 N _
7203 000000054118 03 02 0408 000000065423 07 40 0640 00 33 33 03 00 N
7303 000000054118 03 03 040C 000000065423 07 41 0641 00 32 32 03 00 N _
MORE DATA AVAILABLE, ENTER ZPAGE TO CONTINUE++
```

## 57. FDRS0057I

FDRS0057I      START OF (Set Copy Type) STATUS SSID xxxx – SET=setname

**Explanation:** The message is issued in response to a satisfactory STATUS request for a specific SSID.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs st set-r700_7000_sil sss-400
FDRS0057I 07.04.42 START OF SHADOWIMAGE STATUSSSID 0400 SET-R700_7000_SIL
DEV  SOURCE SER#  SV  SL  SSSID TARGET SER#  TV  TL  TSSID CG  SJN  TJN  MI  PID  STATUS
7018 000000054118 18 00 0400 000000054118 38 1C 0470 06 00 00 00 00 SPLIT O
7017 000000054118 17 00 0400 000000054118 37 1C 0470 06 00 00 00 00 SPLIT O
7016 000000054118 16 00 0400 000000054118 36 1C 0470 06 00 00 00 00 SPLIT O
7015 000000054118 15 00 0400 000000054118 35 1C 0470 06 00 00 00 00 SPLIT O
7014 000000054118 14 00 0400 000000054118 34 1C 0470 06 00 00 00 00 SPLIT O
7013 000000054118 13 00 0400 000000054118 33 1C 0470 06 00 00 00 00 SPLIT O
7012 000000054118 12 00 0400 000000054118 32 1C 0470 06 00 00 00 00 SPLIT O
7011 000000054118 11 00 0400 000000054118 31 1C 0470 06 00 00 00 00 SPLIT O
7010 000000054118 10 00 0400 000000054118 30 1C 0470 06 00 00 00 00 SPLIT O
700F 000000054118 0F 00 0400 000000054118 2F 1C 0470 06 00 00 00 00 SPLIT O
700E 000000054118 0E 00 0400 000000054118 2E 1C 0470 06 00 00 00 00 SPLIT O
700D 000000054118 0D 00 0400 000000054118 2D 1C 0470 06 00 00 00 00 SPLIT O
700C 000000054118 0C 00 0400 000000054118 2C 1C 0470 06 00 00 00 00 SPLIT O
700B 000000054118 0B 00 0400 000000054118 2B 1C 0470 06 00 00 00 00 SPLIT O
700A 000000054118 0A 00 0400 000000054118 2A 1C 0470 06 00 00 00 00 SPLIT O
7009 000000054118 09 00 0400 000000054118 29 1C 0470 06 00 00 00 00 SPLIT O
MORE DATA AVAILABLE, ENTER ZPAGE TO CONTINUE++
```

## 60. FDRS0060I

FDRS0060I      COMMAND ISSUED TO SSID xxxx

**Explanation:** The message is issued in response to a satisfactory request for a specific SSID.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs split set-set2 sssid-a000 bp
DFRS0060I 10.13.40 REQUEST ISSUED TO SSSID A000
0 ERRORS ENCOUNTERED+
```

## 61. FDRS0061E

---

FDRS0061E SSSID xxxx DOES NOT EXIST

**Explanation:** The message is issued in response to a request for a specific SSID, but the SSID does not exist in the requested copy pair configuration definition record.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs del set-set2 ssid-5000
FDRS0061I 10.19.45 SSSID 5000 DOES NOT EXIST+

zfdrs st set-set2 ssid-5000
FDRS0061I 10.21.07 SSSID 5000 DOES NOT EXIST+
```

## 63. FDRS0063E

---

FDRS0063E UNABLE TO INIT WITH ACTIVE PAIRS

**Explanation:** The message is issued in response to a CONFIG INIT entry to a set that has active pairs.

**System Action:** None.

**User Response:** Ensure that the pairs of the requested set are SIMPLEX and then enter the functional message again.

**Example:**

```
zfdrs con init set-set2
FDRS0063E 10.48.57 UNABLE TO INIT WITH ACTIVE PAIRS+
```

## 64. FDRS0064I

---

FDRS0064I (Set Copy Type) PAIR SPLIT STARTED

**Explanation:** The message is issued in response to a SPLIT entry. The subsequent output allows you to determine how long it takes to split the database.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs split set-set2
FDRS0064I 11.32.04 SHADOWIMAGE PAIR SPLIT STARTED+
FDRS0032I 11.32.04 SHADOWIMAGE SPLIT REQUEST ISSUED
0 ERRORS ENCOUNTERED+
```

## 77. FDRS0077I

---

FDRS0077I      INVALID TIME ENTERED

**Explanation:** The message is issued when the time in the ZFDRS PRESET entry is in the incorrect format.

**System Action:** None.

**User Response:** See the *Copy Manager for TPF Operations Guide* for the correct format for entering the time. Re-enter the time in the correct format.

**Example:** None.

## 78. FDRS0078I

---

FDRS0078I      INVALID DATE ENTERED

**Explanation:** The message is issued when the date in the ZFDRS PRESET entry is in the incorrect format.

**System Action:** None.

**User Response:** See the *Copy Manager for TPF Operations Guide* for the correct format for entering the date. Re-enter the date in the correct format.

**Example:** None.

## 81. FDRS0081I

---

FDRS0081I      PRESET COMMAND ENTERED

**Explanation:** The message is issued in response to a satisfactory ZFDRS PRESET command to preset a point in time/date split.

**System Action:** None.

**User Response:** None.

**Example:** None.

## 82. FDRS0082I

---

FDRS0082I      SET ITEM REMOVED

**Explanation:** The message is issued in response to a satisfactory deletion of an item from the set index record.

**System Action:** None.

**User Response:** None.

**Example:**

zfdrs setrec rem set-set1 FDRS0082I 14.20.57 SET ITEM REMOVED
--

### 83. FDRS0083I

---

FDRS0083I     SET ITEM ADDED

**Explanation:** The message is issued in response to a satisfactory addition of an item from the set index record.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs setrec add set-set4 facetype-tsdb2 ord-100
FDRS0083I 14.20.57 SET ITEM ADDED+
```

### 84. FDRS0084I

---

FDRS0084I     SET ITEM CHANGED

**Explanation:** The message is issued in response to a satisfactory change or rename of an item from the set index record.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs setrec cha set-set4 ord-200
FDRS0084I 14.20.57 SET ITEM CHANGED+
```

### 85. FDRS0085I

---

FDRS0085I     SET INDEX RECORD IS EMPTY

**Explanation:** The message is issued when a ZFDRS SETREC DISPLAY entry is made and there are no sets defined.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs setrec dis
FDRS0085I 14.20.27 SET CONFIGURATION RECORD IS EMPTY
```



## 86. FDRS0086I

FDRS0086I CANNOT ADD, SET ITEM ALREADY EXIST

**Explanation:** The message is issued in response to a SETREC ADD request when the requested setname is already in the Set Index Record.

**System Action:** None.

**User Response:** Remove the existing set, and issue the SETREC ADD again. Change the existing set. Change setname on the SETREC ADD entry.

### Example:

```
zfdrs setrec add set-set1 facetype-tsdb2 ord-0 recid-hd
FDRS0086E 14.20.27 CANNOT ADD, SET ITEM ALREADY EXIST
```

## 87. FDRS0087I

FDRS0087I CANNOT ADD, SET CONFIGURATION IS FULL

**Explanation:** The message is issued in response to a SETREC ADD request when the Set Index Record is full.

**System Action:** None.

**User Response:** Remove a set from the set index record and issue the SETREC ADD again. Change an existing set.

### Example:

```
zfdrs setrec add set-set1 facetype-tsdb2 ord-0 recid-hd
FDRS0087I 14.20.27 CANNOT ADD, SET CONFIGURATION IS FULL
```

## 90. FDRS0090I

FDRS0090I BEGINNING OF ..... SET CONFIGURATION\_\_\_\_\_

**Explanation:** The message is issued in response to a satisfactory SETREC DISPLAY CONFIG entry.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs setrec dis config
FDRS0090I 06.55.20
BEGINNING OF SET CONFIGURATION RECORD DISPLAY _
                                     3 LOCATION          3 COPY      PAIR _
SETNAME      FACETYPE ( ORD-LAST-MAX )  RECID  TYPE  COUNT
R700_3400_HUR1 #TSDB2 ( 70- 71- 73) C8C4 (HD) HUR-EXC 100 _
R700_3400_SI1_A #TSDB2 ( 900- 901- 0) C8C4 (HD) SI-ASYN 100
R700_3400_SI2   #TSDB2 ( 905- 906- 0) C8C4 (HD) SI-SYNC 100
R700_3420_TC1   #TSDB2 (1000-1001- 0) C8C4 (HD) TC-SYNC 100

|
4 ITEMS _
END OF SET RECORD DISPLAY+
```

## 94. FDRS0094I

FDRS0094I BEGINNING OF PRESET STATUS DISPLAY

**Explanation:** The message is issued in response to a satisfactory ZFDRS PRESET STATUS entry.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs preset st set-50a2
FDRS0094I 08.56.32 BEGIN SHADOWIMAGE PRESET STATUS DISPLAY 50A2
SERIAL#      CGID      TIME      DATE      TOV SET    TOV REMAIN  STATUS
000000054118  08      08.57.00  24/08/12      12          12  WAITING
000000066844  08      08.57.00  24/08/12      12          12  WAITING
END OF PRESET STATUS DISPLAY+
```

## 98. FDRS0098I

FDRS0098I NOCOPY OPTION IS ONLY ALLOWED FOR REMOTE COPY

**Explanation:** The message is issued in response to a ZFDRS EST entry for a ShadowImage set with the NOCOPY entry. NOCOPY is not supported with ShadowImage.

**System Action:** None.

**User Response:** Contact Hitachi Vantara TPF Engineering if the NOCOPY option is needed for ShadowImage.

### Example:

```
zfdrs est set-set1 nocopy
NOCOPY OPTION IS ONLY ALLOWED FOR TRUECOPY+
```

## 99. FDRS0099I

FDRS0099I DUPLICATE TARGET FOUND FOR SOURCE VOLUME

**Explanation:** The message is issued in response to a CONFIG ADD or a CONFIG CHANGE entry. The message is issued if an entry is made that will define a target volume to two source volumes in the requested copy pair configuration definition record .

**System Action:** None.

**User Response:** Correct the configuration pairs. Contact Local Hitachi Vantara TPF Team for assistance.

### Example:

```
zfdrs con cha set-set1 dev-2004 tvol-17
FDRS0099I 14.20.27 DUPLICATE TARGET FOUND FOR SOURCE VOLUME
```

## Messages 100-199

### 100. FDRS0100I

---

FDRS0100I      4 CHARACTER RECID MUST BE HEX CHARACTERS

**Explanation:** The message is issued in response to a SETREC ADD, SETREC CHA or SETREC INIT command. The message is issued when the RECID entered is a four-character record ID, but one or more of the four characters are not a hexadecimal number (0-f). When entering a record ID that is four characters, the four characters are the hexadecimal record ID (for example, when x'7879' record ID is entered as RECID-7879). If a two character record id is entered, the two characters are an alphanumeric record ID (for example, 'HD' record ID is entered as RECID-HD).

**System Action:** None.

**User Response:** Re-enter the entry with a corrected record ID.

**Example:** None.

### 103. FDRS0103I

---

FDRS0103I      SETREC ADD REQUIRES THE FACETYPE AND ORDINAL  
PARAMETER

**Explanation:** The message is issued in response to a SETREC ADD entry without either FACETYPE or ORDINAL or without both parameters.

**System Action:** None.

**User Response:** Re-enter the SETREC ADD command with both the FACETYPE and ORDINAL parameters.

**Example:**

```
zfdrs setrec add set-set5 ord-16
SET ADD REQUIRES FACETYPE AND ORDINAL
```

### 104. FDRS0104I

---

FDRS0104I      SETREC REMOVE DOES NOT REQUIRE FACE, ORD AND RECID

**Explanation:** The message is issued when a SETREC REMOVE entry is made with any other parameters.

**System Action:** None.

**User Response:** Re-enter the SETREC REMOVE entry with the optional parameters.

**Example:**

```
zfdrs setrec rem set-set1 ord-10
SET REMOVE DOES NOT REQUIRE FACE, ORD AND RECID
```

## 105. FDRS0105I

---

FDRS0105I      PASSWORD REQUIRED

**Explanation:** The message is issued when an entry is made that requires a password, but no password was provided. **System Action:** None.

**User Response:** Submit the entry again with the password.

**Example:**

```
zfdrs est set-r800_a000_si1 tvonline  
PASSWORD REQUIRED+
```

## 106. FDRS0106I

---

FDRS0106I      INVALID PASSWORD

**Explanation:** The message is issued when an incorrect password is entered.

**System Action:** None.

**User Response:** See the systems programmer for the correct password.

**Example:**

```
zfdrs est set-set1 dev-2004 tvonline password-abcd  
INVALID PASSWORD
```

## 108. FDRS0108I

---

FDRS0108I      The ZFDRS STATUS SYSTEM DISPLAY

**Explanation:** Displays the last Copy Manager for TPF request on the TPF system.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs st system  
FDRS0108I 07.45.43  
A SPLIT WAS ISSUED ON 03/05/18 AT 13:06:43 , SETNAME - R800_A000_SI1 +
```

## 113. FDRS0113E

FDRS0113E I/O ERROR ON DEVICE xxxx, FUNCTION NOT PERFORMED

**Explanation:** The message is issued in response to an I/O error on a specific device. A description of the sense error, the BCM ERROR code and supporting FIOCB information are displayed.

The reference message control record support allows the local site to customize the response of an I/O error to match the site common terminology. See the *Copy Manager for TPF Administrator Guide* and *Operations Guide* for details on how to use the reference record.

**System Action:** None.

**User Response:** Call your system programmer.

### Example:

#### Example not using REFMES siteoption (REFREC : reference message control record)

```
zfdres res set-r800_b100_sil d-b100
CSMP0097I 21.27.55 CPU-A SS-BSS SSU-SSU0 IS-01
CYEM0099E 21.27.55 CMD REJECT, STATUS NOT AS REQUIRED, SSID-79D0, DVC-B100,TYPE
-3390,MOD-0010,
CSW-0E00,CCW-83,CHPID-6D,SNS-80000000 0000000F E8000000 00000000 23121000 79D00F
0F 000040C0 00000000 +
CSMP0097I 21.27.55 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0113E 21.27.55
START OF I/O ERROR ANALYSIS DISPLAY
I/O ERROR ON DEVICE B100 FUNCTION NOT PERFORMED
COPYMANAGER SET DEVICE NUMBER- B100
SOURCE VOLUME SN- 000000010081 LCU- 34 VOL- 00
TARGET VOLUME SN- 000000010081 LCU- 28 VOL- 00
TO BETTER UNDERSTAND THE I/O ERROR, LOOK UP ERROR CODE 2312 (SENSE BYTES 16-17)
IN THE HDS BCM ERROR CODE MANUAL
*****
HDS TPF POSSIBLE REASON FOR ERROR CODE 2312 FOLLOWS :
SHADOWIMAGE TARGET IS ONLINE
*****

-
START OF FIOCB DISPLAY
FIOCAW 1022AE80
FIOFLG 84
FIOPATH 85
FIOCSW 1023C010 0E000000
FIOECSW 0EE07050 0E000000
FIOSNS 80000000 0000000F E8000000 00000000
23121000 79D00F0F 000040C0 00000000
FIOTKN AEB8
FIOAIND BA
FIOLIT AEBC
FIOSSID AEBE
FIOMSGID 1022AEC0
END OF FIOCB DISPLAY
END OF I/O ERROR ANALYSIS DISPLAY+
```

#### Example using REFMES siteoption (REFREC : reference message control record)

```
zfdres res set-r800_b100_sil d-b100
CSMP0097I 21.28.35 CPU-A SS-BSS SSU-SSU0 IS-01
CYEM0099E 21.28.35 CMD REJECT, STATUS NOT AS REQUIRED, SSID-79D0, DVC-B100,TYPE
-3390,MOD-0010,
CSW-0E00,CCW-83,CHPID-6D,SNS-80000000 0000000F E8000000 00000000 23121000 79D00F
0F 000040C0 00000000 +
```

```

CSMP0097I 21.28.35 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0113E 21.28.35
START OF I/O ERROR ANALYSIS DISPLAY
I/O ERROR ON DEVICE B100 FUNCTION NOT PERFORMED
COPYMANAGER SET DEVICE NUMBER- B100
SOURCE VOLUME SN- 000000010081 LCU- 34 VOL- 00
TARGET VOLUME SN- 000000010081 LCU- 28 VOL- 00
TO BETTER UNDERSTAND THE I/O ERROR, LOOK UP ERROR CODE 2312 (SENSE BYTES 16-17)
IN THE HDS BCM ERROR CODE MANUAL
*****
HDS TPF POSSIBLE REASON FOR ERROR CODE 2312 FOLLOWS :
SHADOWIMAGE TARGET IS ONLINE
*****
SITE REFERENCE RECORD POSSIBLE REASON FOR ERROR CODE 2312 FOLLOWS :
'SEE IF VARIED ON VM TEST SYSTEM 1'
*****
START OF FIOCB DISPLAY
FIOCAW 10214E80
FIOFLG 84
FIOPATH 85
FIOCSW 10226010 0E000000
FIOECSW 0EE0A050 0E000000
FIOSNS 80000000 0000000F E8000000 00000000
23121000 79D00F0F 000040C0 00000000
FIOTKN 4EB8
FIOAIND BA
FIOELIT 4EBC
FIOSSID 4EBE
FIOMSGID 10214EC0
END OF FIOCB DISPLAY
END OF I/O ERROR ANALYSIS DISPLAY+

```

**Example using DIAGNOSTIC siteoption (when requested by Hitachi Vantara TPF engineering)**

```

zfdres res set-r800_b100_sil d-b100
CSMP0097I 21.29.24 CPU-A SS-BSS SSU-SSU0 IS-01
CYEM0099E 21.29.24 CMD REJECT, STATUS NOT AS REQUIRED, SSID-79D0, DVC-B100,TYPE
-3390,MOD-0010,
CSW-0E00,CCW-83,CHPID-6D,SNS-80000000 0000000F E8000000 00000000 23121000 79D00F
0F 000040C0 00000000 +
CSMP0097I 21.29.24 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0113E 21.29.24
START OF I/O ERROR ANALYSIS DISPLAY
I/O ERROR ON DEVICE B100 FUNCTION NOT PERFORMED
COPYMANAGER SET DEVICE NUMBER- B100
SOURCE VOLUME SN- 000000010081 LCU- 34 VOL- 00
TARGET VOLUME SN- 000000010081 LCU- 28 VOL- 00
TO BETTER UNDERSTAND THE I/O ERROR, LOOK UP ERROR CODE 2312 (SENSE BYTES 16-17)
IN THE HDS BCM ERROR CODE MANUAL
*****
HDS TPF POSSIBLE REASON FOR ERROR CODE 2312 FOLLOWS :
SHADOWIMAGE TARGET IS ONLINE
*****
SITE REFERENCE RECORD POSSIBLE REASON FOR ERROR CODE 2312 FOLLOWS :
'SEE IF VARIED ON VM TEST SYSTEM 1'
*****
SUPPORT DATA FOR ADDITIONAL ANALYSIS
START OF CCW DUMP
SDA B1000000 000
000 83000040 1023A452 84000018 1023A6DC
010 00000000 00000000 00000000 00000000
020 00000000 00000000 00000000 00000000
030 00000000 00000000 00000000 00000000
START OF FIOCB DISPLAY

```

```

FIOCAW 10228E80
FIOFLG 84
FIOPATH 85
FIOCSW 1023A010 0E000000 -
FIOECSW 0EE0D050 0E000000
FIOSNS 80000000 0000000F E8000000 00000000
        23121000 79D00F0F 000040C0 00000000
FIOTKN 8EB8
FIOAIND BA
FIOLIT 8EBC
FIOSSID 8EBE
FIOMSGID 10228EC0
END OF FIOCB DISPLAY -
END OF I/O ERROR ANALYSIS DISPLAY+

```

## 114. FDRS0114E

FDRS0114E RANGE COUNT MAXIMUM EXCEEDED

**Explanation:** The value of count or the difference between the LASTDEV and the DEVICE parameters is greater than the maximum count allowed for the TPF site. The count field is a hexadecimal number.

**System Action:** None.

**User Response:** Verify the maximum count setting in the COPYMGR SITEOPTIONS. Enter the functional message again with a range count lower than the TPF site's maximum range count.

**Example:**

```

zfdrs con add set-testb9 d-1000 count-44 sse-43279 sv-0 sl-8 sss-18a0 tv-40 tl-2 tss-
1888
FDRS0114E 07.11.28 RANGE COUNT MUST BE BETWEEN 1 AND THE SITE MAXIMUM COUNT.
SEE ZFDRS COPYMGR DISPLAY FOR THE SITE MAXIMUM COUNT+

zfdrs con add set-testb9 d-1000 lastdev-1044 sse-43279 sv-0 sl-8 sss-18a0 tv-40 tl-2
tss-1888
FDRS0114E 07.11.28 RANGE COUNT MUST BE BETWEEN 1 AND THE SITE MAXIMUM COUNT.
SEE ZFDRS COPYMGR DISPLAY FOR THE SITE MAXIMUM COUNT++

```

## 115. FDRS0115E

FDRS0115E LASTDEV AND COUNT PARAMETERS CANNOT BE USED TOGETHER

**Explanation:** The parameters count and lastdev cannot be used in the same ZFDRS CONFIG entry.

**System Action:** None.

**User Response:** Enter the functional message again using only the LASTDEV or the COUNT parameter.

**Example:** None.

## 118. FDRS0118I

FDRS0118II BEGINNING OF THE REMOTE CONTROL UNIT COMMAND  
DEVICE DEFINITION RECORD

**Explanation:** The display of the remote control unit command device  
definition record. The response to the entry ZFDRS RCUREC DIS.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs rcurec dis
FDRS0118I 06.55.20
BEGINNING OF THE REMOTE CONTROL UNIT COMMAND DEVICE DEFINITION RECORD

REVERSE RCUREC DEFINITIONS ARE ALLOWED

CONTROL UNIT      SERIAL NUMBER      COMMAND DEVICE      TPF      TARGET      APLID
SSID  LCU  VOL  ADDRESS OF HUR

TARGET            000000053103      4031  31  3F              Y      0003 _
LOCAL            000000054118      0450  14  3F      343F

TARGET            000000065423      0640  40  7F              Y      0002
LOCAL            000000066884      4230  30  3F      503F

  2 ITEMS _
END OF REMOTE CONTROL UNIT COMMAND DEVICE RECORD DISPLAY+
```

## 121. FDRS0121I

FDRS0121I REMOTE CONTROL UNIT COMMAND DEVICE DEFINITION  
RECORD CHANGED

**Explanation:** The message is issued in response to a satisfactory RCUREC  
CHANGE entry.

**System Action:** None.

**User Response:** None.

**Example:** None.



## 122. FDRS0122E

---

FDRS0122E      REMOTE CONTROL UNIT COMMAND DEVICE RECORD ITEM  
NOT FOUND

**Explanation:** The target serial number entered was not found in the remote control unit command device definition record (RCUREC).

**System Action:** None.

**User Response:** Enter the functional message again with a correct target serial number or correct the remote control unit command device definition record.

**Example:**

zfdrs rcurec cha tarser-666777 r01-3 FDRS0122E 08.57.46 REMOTE CONTROL UNIT COMMAND DEVICE RECORD ITEM NOT FOUND+
--

## 123. FDRS0123I

---

FDRS0123I      REMOTE CONTROL UNIT COMMAND DEVICE DEFINITION  
RECORD REMOVED

**Explanation:** The message is issued in response to a satisfactory RCUREC REMOVE entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

## 124. FDRS0124I

---

FDRS0124I      REMOTE CONTROL UNIT COMMAND DEVICE DEFINITION  
RECORD ADDED

**Explanation:** The message is issued in response to a satisfactory RCUREC ADD entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

## 125. FDRS0125E

---

FDRS0125E     REMOTE CONTROL UNIT COMMAND DEVICE DEFINITION  
RECORD IS EMPTY

**Explanation:** The message when the RCUREC is being displayed or  
accessed and the record is empty.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs rcurec dis
FDRS0125E 08.57.46 REMOTE CONTROL UNIT COMMAND DEVICE RECORD IS EMPTY++
```

## 128. FDRS0128I

---

FDRS0128I     BEGINNING OF THE OFFLINE CONTROL DEVICE RECORD  
DISPLAY

**Explanation:** The display of the offline control device definition record.  
The response to the entry ZFDRS OFFREC DIS.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs offrec dis
FDRS0128I 08.57.46 BEGINNING OF THE OFFLINE CONTROL DEVICE DEFINITION RECORD+
SERIAL NUMBER     SET NAME           CONTROL DEVICE
000000123456     SPARESET2           2000
000000665588     SPARESET1           4000
     2 ITEMS
END OF OFFLINE CONTROL DEVICE DEFINITION RECORD DISPLAY+
```

## 131. FDRS0131I

---

FDRS0131I     OFFLINE CONTROL DEVICE DEFINITION RECORD CHANGED

**Explanation:** The message is issued in response to a satisfactory OFFREC  
CHANGE entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

### 132. FDRS0132E

---

FDRS0132E      OFFLINE CONTROL DEVICE RECORD ITEM NOT FOUND

**Explanation:** The serial number and setname entered was not found in the offline control device definition record (OFFREC).

**System Action:** None.

**User Response:** Enter the functional message again with a correct target serial number or correct the offline control device definition record.

**Example:**

```
zfdrs offrec cha ser-666777 set-badset
FDRS0132E 08.57.46 OFFLINE CONTROL DEVICE RECORD ITEM NOT FOUND+
```

### 133. FDRS0133I

---

FDRS0133I      OFFLINE CONTROL DEVICE DEFINITION RECORD REMOVED

**Explanation:** The message is issued in response to a satisfactory OFFREC REMOVE entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

### 134. FDRS0134I

---

FDRS0134I      OFFLINE CONTROL DEVICE DEFINITION RECORD ADDED

**Explanation:** The message is issued in response to a satisfactory OFFREC ADD entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

### 135. FDRS0135E

---

FDRS0135E      OFFLINE CONTROL DEVICE DEFINITION RECORD IS EMPTY

**Explanation:** The message when the OFFREC is being displayed or accessed and the record is empty.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs offrec dis
FDRS0135E 08.57.46 OFFLINE CONTROL DEVICE RECORD IS EMPTY++
```

## 137. FDRS0137I

FDRS0137I BEGINNING OF THE COPY MANAGER CONTROL RECORD DISPLAY

**Explanation:** The display of the Copy Manager for TPF system control record. The response to the entry ZFDRS COPYMGR DIS.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs copymgr dis
CSMP0097I 21.24.22 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0137E 21.24.22 BEGINNING OF THE COPYMANAGER CONTROL RECORD DISPLAY
                                DEFAULT RECID - C8C4 (HD)
CONTROL RECORD   FACETYPE      ORDINAL  HEX CHAR  RECID RECID
COPYMGR          #HDSCM0        0       C8C4 (HD)
SETREC           #HDSCM0        1       C8C4 (HD)
RCUREC           #HDSCM0        2       C8C4 (HD)
OFFREC           #HDSCM0        3       C8C4 (HD)
EXCREC           #HDSCM0        4       C8C4 (HD)
DBREC            #HDSCM0        5       C8C4 (HD)
REFREC           #HDSCM0        6       C8C4 (HD)
HISREC           #HDSCM0        7       C8C4 (HD)
COPYMGR SITE OPTION SETTINGS
SPLIT WITH READ WRITE - - - - - ON
STOP ON ERROR - - - - - ON
VERIFY TV OFFLINE - - - - - OFF
SERRCS PERMITTED - - - - - OFF
USER EXITS ACTIVE - - - - - OFF
ECHO DISPLAY AFTER CHANGE - - - ON
COMBINED HUR STAT DISPLAY - - - ON
REFERENCE MESSAGE USE - - - - - ON
HISTORY RECORDED - - - - - OFF
FDRSC USE CE1FAX - - - - - OFF
ENHANCED DIAGNOSTICS - - - - - OFF
MONITOR - - - - - OFF
MONITOR INTERVAL - - - - - 10
DATE FORMAT - - - - - MMDYY
MAX COUNT VALUE ALLOWED (HEX) - 0100
COPYMGR SITE OPTION SETTINGS FOR SET DEFINITIONS
DEFAULT SET DEFINITIONS TO OFFLINE - OFF
DEFAULT SET DEFINITIONS TO ALLOFF - OFF
DEFAULT SET DEFINITIONS TO EXCTG - OFF
DEFAULT SET DEFINITIONS TO SOURCE - OFF
RESTRICTIONS :
(A) THE COPYMGR RECORD FACETYPE,ORDINAL,RECID CANNOT BE ALTERED
END OF COPYMANAGER CONTROL RECORD DISPLAY+
```

## 141. FDRS0141I

FDRS0141I COPY MANAGER DEFAULT RECORD ID CHANGED

**Explanation:** The message is issued in response to a satisfactory COPYMGR DEFAULTRECID entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

#### 142. FDRS0142I

-----  
FDRS0142I COPY MANAGER CONTROL RECORD SETREC ADDED

**Explanation:** The message is issued in response to a satisfactory COPYMGR ADD (SETREC or RCUREC or OFFREC) entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

#### 143. FDRS0143I

-----  
FDRS0143I COPY MANAGER CONTROL RECORD (type) CHANGED

**Explanation:** The message is issued in response to a satisfactory COPYMGR CHA (SETREC, RCUREC, OFFREC, EXCREC, DBREC or REFREC ) entry. The message is also issued to a satisfactory COPYMGR DEFAULTRECID or SITEOPTIONS entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

#### 144. FDRS0144E

-----  
FDRS0144E MUST ENTER FACETYPE AND ORDINAL

**Explanation:** When entering a COPYMGR ADD, both a serial number and an ordinal must be entered.

**System Action:** None.

**User Response:** Enter the functional message again with a both a serial number and an ordinal number.

**Example:**

zfdrs copymgr offrec add facetype-tsdb2 FDRS0144E 08.57.46 MUST ENTER FACETYPE AND ORDINAL+
--

## 145. FDRS0145E

---

FDRS0145E COPYMGR CONTROL RECORD ERROR, SETREC NOT DEFINED

**Explanation:** The control record SETREC was trying to be accessed. But, the control record SETREC not been defined in the COPYMGR system control record.

**System Action:** None.

**User Response:** Define SETREC in the COPYMGR control record. Then enter the functional message again.

**Example:**

```
zfdrs setrec dis
FDRS0145E 08.57.46 COPYMGR CONTROL RECORD ERROR, SETREC NOT DEFINED+
```

## 146. FDRS0146E

---

FDRS0146E COPYMGR CONTROL RECORD ERROR, RCUREC NOT DEFINED

**Explanation:** The control record RCUREC was trying to be accessed. But, the control record RCUREC not been defined in the COPYMGR system control record.

**System Action:** None.

**User Response:** Define RCUREC in the COPYMGR control record. Then enter the functional message again.

**Example:**

```
zfdrs rcurec dis
FDRS0146E 08.57.46 COPYMGR CONTROL RECORD ERROR, RCUREC NOT DEFINED+
```

## 147. FDRS0147E

---

FDRS0147E SERIAL NUMBER NOT FOUND IN RCUREC

**Explanation:** During a copy action (Status, Establish, Split, Resume) for a hop control unit set or for a HOPTAR request, a serial number in the set's pair configuration record was not found in RCUREC.

**System Action:** None.

**User Response:** Correct RCUREC or correct the pair configuration record. Then enter the functional message again.

**Example:** None.

## 148. FDRS0148E

---

FDRS0148E      COPYMGR CONTROL RECORD ERROR, OFFREC NOT DEFINED

**Explanation:** The control record OFFREC was trying to be accessed. But, the control record OFFREC not been defined in the COPYMGR system control record.

**System Action:** None.

**User Response:** Define OFFREC in the COPYMGR control record. Then enter the functional message again.

**Example:**

```
zfdrs offrec dis
FDRS0146E 08.57.46 COPYMGR CONTROL RECORD ERROR, OFFREC NOT DEFINED+
```

## 149. FDRS0149E

---

FDRS0149E      CONTROL RECORD IS CORRUPT

**Explanation:** A control record (OFFREC, RCUREC or SETREC) is corrupt or has not been initialized.

**System Action:** None.

**User Response:** Initialize the control record and rebuild the control record information, or contact Hitachi Vantara TPF Engineering for support.

**Example:**

```
zfdrs setrec dis
FDRS0149E 08.57.46 CONTROL RECORD IS CORRUPT+
```

## 150. FDRS0150E

---

FDRS0150E      COPYMGR CONTROL RECORD FIND OR FACE ERROR

**Explanation:** A FIND of the COPYMGR control record resulted in a FIND or FACE error.

**System Action:** None.

**User Response:** Verify the definitions of the COPYMGR control record's facetype and ordinal. Verify the record ID in the COPYMGR control record.

**Example:**

```
zfdrs copymgr dis
FDRS0150E 08.57.46 COPYMGR CONTROL RECORD FIND OR FACE ERROR IN PROGRAM xxxx+
```

### 151. FDRS0151E

---

FDRS0151E    OFFREC CONTROL RECORD FIND OR FACE ERROR IN  
PROGRAM pppp

**Explanation:** During the processing of a Copy Manager entry, a find error occurred while trying to find the OFFREC.

**System Action:** None.

**User Response:** Contact a systems programmer.

**Example:** None.

### 152. FDRS0152E

---

FDRS0152E    SETREC CONTROL RECORD FIND OR FACE ERROR IN  
PROGRAM pppp

**Explanation:** During the processing of a Copy Manager entry, a find error occurred while trying to find the SETREC.

**System Action:** None.

**User Response:** Contact a systems programmer.

**Example:** None.

### 153. FDRS0153E

---

FDRS0153E    RCUREC CONTROL RECORD FIND OR FACE ERROR IN  
PROGRAM pppp

**Explanation:** During the processing of a Copy Manager entry, a find error occurred while trying to find the RCUREC.

**System Action:** None.

**User Response:** Contact a systems programmer.

**Example:** None.

### 155. FDRS0155I

---

FDRS0155I    INTERNAL CONTROL UNIT COMMAND DEVICE ADDED

**Explanation:** The message is issued in response to a satisfactory ZFDRS RCUREC CDVDEF entry.

**System Action:** None.

**User Response:** None.

**Example:** None.



## 156. FDRS0156I

---

FDRS0156I INTERNAL CONTROL UNIT COMMAND DEVICE REMOVED

**Explanation:** The message is issued in response to a satisfactory ZFDRS RCUREC CDVREM entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

## 157. FDRS0157E

---

FDRS0157E IOSDA PARAMETER REQUIRED

**Explanation:** The IOSDA parameter is required when issuing a ZFDRS RCUREC ADD entry.

**System Action:** None.

**User Response:** Enter the functional message again with the IOSDA parameter.

**Example:**

```
zfdrs rcurec add set-set1 tarser-1234 tarvol-1 tarlcu-3
FDRS0157E 08.57.46 IOSDA PARAMETER REQUIRED +
```

## 158. FDRS0158E

---

FDRS0158E LOCAL CONTROL UNIT (R0) NOT DEFINED IN RCUREC

**Explanation:** When issuing a request to define an internal command device for a remote control unit (zfdrs rcurec cdvdef), the r0 (local) control unit was not defined in the RCUREC.

**System Action:** None.

**User Response:** Define the R0 (local) control unit command device in eth RCUREC. Then issue the ZFDRS RCUREC CDVDEF command again.

**Example:**

```
zfdrs rcurec cdvdef tarser-1234
FDRS0158E 08.57.46 LOCAL CONTROL UNIT (R0) NOT DEFINED IN RCUREC +
```

## 159. FDRS0159E

---

FDRS0159E REMOTE CONTROL UNIT COMMAND DEVICE NOT MOUNTED

**Explanation:** When displaying or removing a remote control unit's internal command device, the command device for the local control unit is not mounted to TPF.

**System Action:** None.

**User Response:** Mount the command device and reissue the remote control unit operation.

**Example:**

```
zfdrs rcurec cdvdis tarser-12345
FDRS0159E 08.57.46 REMOTE CONTROL UNIT COMMAND DEVICE NOT MOUNTED+
```

## 160. FDRS0160E

---

FDRS0160E IO ERROR ACCESSING REMOTE CONTROL UNIT COMMAND DEVICE

**Explanation:** When defining a remote control unit's internal command device, there was an i/o error when accessing the command device.

**System Action:** None.

**User Response:** Correct the cause of the I/O error and reissue the command, or contact Hitachi Vantara TPF Engineering for support.

**Example:**

```
zfdrs rcurec cdvdef tarser-12345
FDRS0160E 08.57.46 IO ERROR ACCESSING REMOTE CONTROL UNIT COMMAND DEVICE+
```

## 161. FDRS0161E

---

FDRS0161E REMOTE CONTROL UNIT COMMAND DEVICE SDA NOT IN MFST

**Explanation:** When defining a remote control unit's internal command device, the command device's SDA was not in the MFST.

**System Action:** None.

**User Response:** Mount the command device to TPF and reissue the command, or contact Hitachi Vantara TPF Engineering for support.

**Example:**

```
zfdrs rcurec cdvdef tarser-12345
FDRS0161E 08.57.46 REMOTE CONTROL UNIT COMMAND DEVICE SDA NOT IN MFST +
```

## 162. FDRS0162E

---

FDRS0162E     REMOTE CONTROL UNIT COMMAND DEVICE SDA DOES NOT EXIST

**Explanation:** When defining a remote control unit's internal command device, the command device's SDA was not found.

**System Action:** None.

**User Response:** Mount the command device to TPF and reissue the command, or contact Hitachi Vantara TPF Engineering for support.

**Example:**

```
zfdrrs rcurec cdvdef tarser-12345
FDRS0162E 08.57.46 REMOTE CONTROL UNIT COMMAND DEVICE SDA DOES NOT EXIST +
```

## 163. FDRS0163E

---

FDRS0163E     INVALID SERIAL NUMBER FOR REMOTE CONTROL UNIT COMMAND DEVICE

**Explanation:** When defining a remote control unit's internal command device, the serial number for the command device in RCUREC was invalid.

**System Action:** None.

**User Response:** Correct the serial number for the command device in RCUREC and reissue the command.

**Example:**

```
zfdrrs rcurec cdvdef tarser-12345
FDRS0163E 08.57.46 INVALID SERIAL NUMBER FOR REMOTE CONTROL UNIT COMMAND DEVICE+
```

## 164. FDRS0164E

FDRS0164E I/O ERROR ENCOUNTERED WHILE STOP ON ERROR IS SET

**Explanation:** An i/o error was encountered when the option stoponerr was set.

**System Action:** The command being processed is stopped and no further commands for the devices in the set will be processed.

The reference record support allows the local site to customize the response of an I/O error to match the site common terminology. See the *Copy Manager for TPF Administrator Guide and Operations Guide* for details on how to use the reference record.

**User Response:** Correct the I/O error and reissue the command.

### Example:

**Example not using REFMES siteoption (REFREC : reference message control record)**

```
zfdres res set-r800_b100_sil
CSMP0097I 21.27.05 CPU-A SS-BSS SSU-SSU0 IS-01
CYEM0099E 21.27.05 CMD REJECT, STATUS NOT AS REQUIRED, SSID-79D0, DVC-B100,TYPE
-3390,MOD-0010,
CSW-0E00,CCW-83,CHPID-65,SNS-80000000 C000000F E8000000 00000000 23129000 79D00F
0F 000040C3 00000000 +
CSMP0097I 21.27.05 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0164E 21.27.05 I/O ERROR ENCOUNTERED WHILE STOP ON ERROR IS SET
COMMAND PROCESSING IS STOPPED AFTER ENCOUNTERING ONE ERROR IN THE SET
USE NOSTOPONERR OPTION TO PROCESS ALL PAIRS IN THE SET
DETAILS OF THE I/O ERROR FOLLOW
+
CSMP0097I 21.27.05 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0113E 21.27.05
START OF I/O ERROR ANALYSIS DISPLAY
I/O ERROR ON DEVICE B100 FUNCTION NOT PERFORMED
COPYMANAGER SET DEVICE NUMBER- B100
SOURCE VOLUME SN- 000000010081 LCU- 34 VOL- 00
TARGET VOLUME SN- 000000010081 LCU- 28 VOL- 00
TO BETTER UNDERSTAND THE I/O ERROR, LOOK UP ERROR CODE 2312 (SENSE BYTES 16-17)
IN THE HDS BCM ERROR CODE MANUAL
*****
HDS TPF POSSIBLE REASON FOR ERROR CODE 2312 FOLLOWS :
SHADOWIMAGE TARGET IS ONLINE
*****

-
START OF FI0CB DISPLAY
FI0CAW 10208E80
FI0FLG 84
FI0PATH 85
FI0CSW 1021A010 0E000000
FI0ECSW 0EE0D050 0E000000
FI0SNS 80000000 C000000F E8000000 00000000
23129000 79D00F0F 000040C3 00000000
FI0TKN 8EB8
FI0AIND BA
FI0LIT 8EBC
FI0SSID 8EBE
FI0MSGID 10208EC0
END OF FI0CB DISPLAY
END OF I/O ERROR ANALYSIS DISPLAY+
```

**Example using REFMES siteoption (REFREC : reference message control record)**

```

zfdrs res set-r800_b100_si1
CSMP0097I 21.25.45 CPU-A SS-BSS SSU-SSU0 IS-01
CYEM0099E 21.25.45 CMD REJECT, STATUS NOT AS REQUIRED, SSID-79D0, DVC-B100,TYPE
-3390,MOD-0010,
CSW-0E00,CCW-83,CHPID-6C,SNS-80000000 0000000F E8000000 00000000 23121000 79D00F
0F 000040C0 00000000 +
CSMP0097I 21.25.45 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0164E 21.25.45 I/O ERROR ENCOUNTERED WHILE STOP ON ERROR IS SET
COMMAND PROCESSING IS STOPPED AFTER ENCOUNTERING ONE ERROR IN THE SET
USE NOSTOPONERR OPTION TO PROCESS ALL PAIRS IN THE SET
DETAILS OF THE I/O ERROR FOLLOW
+
CSMP0097I 21.25.45 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0113E 21.25.45
START OF I/O ERROR ANALYSIS DISPLAY
I/O ERROR ON DEVICE B100 FUNCTION NOT PERFORMED
COPYMANAGER SET DEVICE NUMBER- B100
SOURCE VOLUME SN- 000000010081 LCU- 34 VOL- 00
TARGET VOLUME SN- 000000010081 LCU- 28 VOL- 00
TO BETTER UNDERSTAND THE I/O ERROR, LOOK UP ERROR CODE 2312 (SENSE BYTES 16-17)
IN THE HDS BCM ERROR CODE MANUAL
*****
HDS TPF POSSIBLE REASON FOR ERROR CODE 2312 FOLLOWS :
SHADOWIMAGE TARGET IS ONLINE
*****
SITE REFERENCE RECORD POSSIBLE REASON FOR ERROR CODE 2312 FOLLOWS :
'SEE IF VARIED ON VM TEST SYSTEM 1'
*****
START OF FIOCB DISPLAY
FIOCAW 1022CE80
FIOFLG 84
FIOPATH 85
FIOCSW 1023E010 0E000000
FIOECSW 0EE01050 0E000000
FIOSNS 80000000 0000000F E8000000 00000000
23121000 79D00F0F 000040C0 00000000
FIOTKN CEB8
FIOAIND BA
FIOLIT CEB8
FIOSSID CEBE
FIOMSGID 1022CEC0
END OF FIOCB DISPLAY
END OF I/O ERROR ANALYSIS DISPLAY+

```

## 165. FDRS0165E

FDRS0165E MUST ENTER A START OR STOP OPTION

**Explanation:** When entering a ZFDRS MONITOR command, the start or stop input parameter was not entered.

**System Action:** None.

**User Response:** Correct the ZFDRS MONITOR entry and reissue the command.

### Example:

```

zfdrs monitor set-set3 time-8
FDRS0165E 08.57.46 MUST ENTER A START OR STOP OPTION+

```

## 166. FDRS0166I

---

FDRS0166I COPYMANAGER MONITOR STARTED

**Explanation:** The Copy Manager copy progress monitor successfully started.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs monitor start set-r600_6000 time-23
COPYMANAGER MONITOR STARTED, TIME INTERVAL IS 0023 SECONDS
```

## 167. FDRS0167I

---

FDRS0167I COPYMANAGER MONITOR STOPPED

**Explanation:** The Copy Manager copy progress monitor successfully stopped.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs monitor stop set-set3
FDRS0167I 13.07.52 COPYMANAGER MONITOR STOPPED+
```

## 168. FDRS0168E

---

FDRS0168E MONITOR TIME INTERVAL MUST BE LESS THAN 601 SEC

**Explanation:** The value entered for the monitor's time interval was too large.

**System Action:** None.

**User Response:** Correct the time interval and reissue the command.

**Example:**

```
zfdrs monitor start set-longcopy time-1000
FDRS0168E 13.07.52 MONITOR TIME INTERVAL MUST BE LESS THAN 601 SEC+
```

## 171. FDRS0171I

---

FDRS0171I VSN CLIP IS COMPLETE

**Explanation:** The VSN clip completed successfully.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs clip set-testsys vsn-tx oldvsn-pr
FDRS0369E 16.01.39 REQUEST FOR VSN CLIP ISSUED+
FDRS0171I 16.01.39 VSN CLIP IS COMPLETE
```

```
0 ERRORS ENCOUNTERED
0 SOURCE VOLUMES OFFLINE, TARGET VOLUMES NOT CLIPPED
100 TARGET VOLUMES WERE CLIPPED FROM PR TO TX ++
```

## 172. FDRS0172E

FDRS0172E VSN TO BE CLIPPED DOES NOT MATCH OLDVSN

**Explanation:** The VSN of the volume to be clipped does not have the same vsn as the OLDVSN input parameter.

**System Action:** None.

**User Response:** Correct the OLDVSN value and reissue the command. Use of the BP option will override the OLDVSN check. Use the BP option with caution.

### Example:

```
zfdrs clip set-testsys vsn-tx oldvsn-xx
FDRS0172E 13.07.52
VSN TO BE CLIPPED DOES NOT MATCH THE OLDVSN INPUTTED VALUE
USE THE CORRECT VALUE FOR OLDVSN OR USE BP OPTION+
```

## 177. FDRS0177I

FDRS0177I START OF TARGET VOLUME OFFLINE VERIFICATION

**Explanation:** The summary display of the VERIFYTVOFF request.

The reference message control record support allows the local site to customize the response of a Path Group ID to describe the Path Group ID location at the local site. See the *Copy Manager for TPF Administrator Guide* and *Operations Guide* for details on how to use the reference record.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs ver set-r800_b000_si2
FDRS0177I 18.10.13
START OF TARGET VOLUME OFFLINE VERIFICATION FOR SET-R800_B000_SI2
TARGET VOLUME OFFLINE SUMMARY COUNTS
NUMBER OF ONLINE TARGET VOLS      :    26
NUMBER OF OFFLINE TARGET VOLS     :    74
NUMBER OF VOLS WITH MOUNT ERRORS  :     0
NUMBER OF VOLS WITH I/O ERRORS    :     0
END OF VERIFY TARGET VOLUME OFFLINE DISPLAY+

VERIFY DISPLAYS WITHOUT USING REFREC (Reference Message Control Record)

zfdrs ver set-r800_b000_si2 online
FDRS0177I 18.13.41
START OF TARGET VOLUME OFFLINE VERIFICATION FOR SET-R800_B000_SI2
SOURCE TARGET NUMBER FIRST PATH TARGET
VOLUME STATUS PATHS GROUP ID LOCATION
          ONLINE (ST PATHID SERNUM CPUTYPE TIMESTAMP) LCU VOL
B000 ONLINE      7  84  8800 092DE7 2965 D3F4E95B 24 00
B001 ONLINE      7  84  8800 092DE7 2965 D3F4E95B 24 01
B002 ONLINE      7  84  8800 092DE7 2965 D3F4E95B 24 02
B003 ONLINE      7  84  8800 092DE7 2965 D3F4E95B 24 03
```

B004	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	04
B005	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	05
B006	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	06
B007	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	07
B008	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	08
B009	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	09
B00A	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	0A
B00B	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	0B
B00C	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	0C
B00D	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	0D
B00E	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	0E
B00F	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	0F

MORE DATA AVAILABLE, ENTER ZPAGE TO CONTINUE+

```

zfdrs ver set-r800_b000_si2 offline
FDRS0177I 18.14.19
START OF TARGET VOLUME OFFLINE VERIFICATION FOR SET-R800_B000_SI2
SOURCE  TARGET  NUMBER  FIRST PATH  TARGET
VOLUME  STATUS   PATHS   GROUP ID    LOCATION
                ONLINE (ST PATHID SERNUM CPUTYPE TIMESTAMP)  LCU  VOL
B041  OFFLINE      0                24  21
B042  OFFLINE      0                24  22
B043  OFFLINE      0                24  23
B044  OFFLINE      0                24  24
B045  OFFLINE      0                24  25
B046  OFFLINE      0                24  26
B047  OFFLINE      0                24  27
B048  OFFLINE      0                24  28
B049  OFFLINE      0                24  29
B04A  OFFLINE      0                24  2A
B04B  OFFLINE      0                24  2B
B04C  OFFLINE      0                24  2C
B04D  OFFLINE      0                24  2D
B04E  OFFLINE      0                24  2E
B04F  OFFLINE      0                24  2F
B050  OFFLINE      0                24  30
MORE DATA AVAILABLE, ENTER ZPAGE TO CONTINUE+

```

```

zfdrs ver set-r800_b000_si2 d-b000
FDRS0177I 18.14.47
START OF TARGET VOLUME OFFLINE VERIFICATION FOR SET-R800_B000_SI2
VOLUME B000 TARGET HAS      7 PATHS ONLINE
TARGET VOLUME LOCATION IS LCU - 24  VOL - 00
PATH GROUP ID DETAILS :
      ST PATHID SERNUM CPUTYPE TIMESTAMP
PGID1 84      8800 092DE7      2965 D3F4E95B
PGID2 84      8800 092DE7      2965 D3F4E95B
PGID3 84      8800 092DE7      2965 D3F4E95B
PGID4 84      8800 092DE7      2965 D3F4E95B
PGID5 84      8800 092DE7      2965 D3F4E95B
PGID6 84      8800 092DE7      2965 D3F4E95B
PGID7 84      8800 092DE7      2965 D3F4E95B
PGID8 00      0000 000000      0000 00000000
END OF VERIFY TARGET VOLUME OFFLINE DISPLAY+

```

**VERIFY DISPLAYS USING REFREC (Reference Message Control Record)**

```

zfdrs ver set-r800_b000_si2 online
FDRS0177I 18.17.29
START OF TARGET VOLUME OFFLINE VERIFICATION FOR SET-R800_B000_SI2
(** USE THE VERIFY D- OPTION TO GET THE PGID REFERENCE DETAIL **)
SOURCE  TARGET  NUMBER  FIRST PATH  TARGET
VOLUME  STATUS   PATHS   GROUP ID    LOCATION
                ONLINE (ST PATHID SERNUM CPUTYPE TIMESTAMP)  LCU  VOL

```



B000	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	00
B001	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	01
B002	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	02
B003	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	03
B004	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	04
B005	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	05
B006	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	06
B007	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	07
B008	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	08
B009	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	09
B00A	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	0A
B00B	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	0B
B00C	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	0C
B00D	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	0D
B00E	ONLINE	7	84	8800	092DE7	2965	D3F4E95B	24	0E

MORE DATA AVAILABLE, ENTER ZPAGE TO CONTINUE+

zfdrrs ver set-r800\_b000\_si2 offline

FDRS0177I 18.17.59

START OF TARGET VOLUME OFFLINE VERIFICATION FOR SET-R800\_B000\_SI2

(\*\*\* USE THE VERIFY D- OPTION TO GET THE PGID REFERENCE DETAIL \*\*\*)

SOURCE	TARGET	NUMBER	FIRST PATH	TARGET
VOLUME	STATUS	PATHS	GROUP ID	LOCATION
		ONLINE	(ST PATHID SERNUM CPUTYPE TIMESTAMP)	LCU VOL
B041	OFFLINE	0		24 21
B042	OFFLINE	0		24 22
B043	OFFLINE	0		24 23
B044	OFFLINE	0		24 24
B045	OFFLINE	0		24 25
B046	OFFLINE	0		24 26
B047	OFFLINE	0		24 27
B048	OFFLINE	0		24 28
B049	OFFLINE	0		24 29
B04A	OFFLINE	0		24 2A
B04B	OFFLINE	0		24 2B
B04C	OFFLINE	0		24 2C
B04D	OFFLINE	0		24 2D
B04E	OFFLINE	0		24 2E
B04F	OFFLINE	0		24 2F

MORE DATA AVAILABLE, ENTER ZPAGE TO CONTINUE+

zfdrrs ver set-r800\_b000\_si2 d-b000

FDRS0177I 18.18.24

START OF TARGET VOLUME OFFLINE VERIFICATION FOR SET-R800\_B000\_SI2

VOLUME B000 TARGET HAS 7 PATHS ONLINE

TARGET VOLUME LOCATION IS LCU - 24 VOL - 00

PATH GROUP ID DETAILS :

ST	PATHID	SERNUM	CPUTYPE	TIMESTAMP
PGID1	84	8800	092DE7	2965 D3F4E95B
'PATH GROUP ID IS MVS LPAR 10'				
PGID2	84	8800	092DE7	2965 D3F4E95B
'PATH GROUP ID IS MVS LPAR 10'				
PGID3	84	8800	092DE7	2965 D3F4E95B
'PATH GROUP ID IS MVS LPAR 10'				
PGID4	84	8800	092DE7	2965 D3F4E95B
'PATH GROUP ID IS MVS LPAR 10'				
PGID5	84	8800	092DE7	2965 D3F4E95B
'PATH GROUP ID IS MVS LPAR 10'				
PGID6	84	8800	092DE7	2965 D3F4E95B
'PATH GROUP ID IS MVS LPAR 10'				
PGID7	84	8800	092DE7	2965 D3F4E95B
'PATH GROUP ID IS MVS LPAR 10'				
PGID8	00	0000	000000	0000 00000000
NO REFERENCE FOUND FOR THIS PGID				

```
END OF VERIFY TARGET VOLUME OFFLINE DISPLAY+
```

## 184. FDRS0184I

---

FDRS0184I      AT LEAST ONE TARGET VOLUME IS ONLINE

**Explanation:** The request to establish or resume ShadowImage pairs was stopped because at least one target volume was online.

**System Action:** None.

**User Response:** Identify the target volumes that are online to a host and take the target volumes offline. The VERIFYTVOFF Copy Manager entries may help identify the target volumes that are online and also may help identify the host that has the target volumes online.

**Example:**

```
zfdrs est set-async1
FDRS0184I 09.59.05
THE REQUESTED SHADOWIMAGE ACTION HAS BEEN STOPPED
  AT LEAST ONE TARGET VOLUME IS ONLINE
  USE ZFDRS LOCAL VERIFYTVOFFLINE ENTRY TO IDENTIFY ONLINE TARGETS+
```

## 185. FDRS0185E

---

FDRS0185E      SETREC DOES NOT ALLOW BOTH ASYNC AND HUR  
PARAMETERS

**Explanation:** When defining an HUR set, do not specify the ASYNC set parameter.

**System Action:** None.

**User Response:** Do not specify the ASYNC parameter when defining an HUR set.

**Example:**

```
zfdrs setrec add set-hurl facetype-tsdb2 ord-20 hur async
FDRS0185E 12.40.34 SETREC DOES NOT ALLOW BOTH ASYNC AND HUR PARAMETERS, ONLY ASY
NC OR HUR ALLOWED+
```

## 186. FDRS0186I

FDRS0186I BEGINNING OF ..... SET OPERATIONS DISPLAY

**Explanation:** The message is issued in response to a satisfactory SETREC DISPLAY OPERATIONS (default) entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs setrec dis
FDRS0186I 13.29.58
BEGINNING OF SET OPERATIONS RECORD DISPLAY

SETNAME          TYPE      LAST ACTION/DATE          PAIR
COUNT
LEGACY           TC-SYNC  NONE  04/01/21 14:34:21      185  DISABLE
R800_B100_SI1    SI-SYNC  RES   04/05/21 21:28:24      100  ENABLE
R800_B100_SI2    SI-SYNC  RES   04/03/21 14:34:21      100  ENABLE
R800_B100_TC1    TC-SYNC  EST   04/05/21 20:11:27      100  ENABLE
_ 3 ITEMS
END OF SET RECORD DISPLAY+
```

## 189. FDRS0189E

FDRS0189E THE FAST OPTION IS NOT VALID WITH HUR SETS

**Explanation:** The Fast option for establish and resume is not valid with HUR sets.

**System Action:** None.

**User Response:** Do not use the fast option when establishing or resuming HUR sets.

**Example:**

```
zfdrs est set-ahurl fast
FDRS0189E 12.44.07
THE FAST OPTION IS NOT VALID WITH HUR SETS+
```

## 190. FDRS0190E

FDRS0190E HURREVERSE OPTION IS ONLY VALID WITH HUR SETS

**Explanation:** The HURREVERSE option for resume and split is only valid for HUR sets.

**System Action:** None.

**User Response:** Remove the HURREV option on the non-HUR split or resume entry.

**Example:**

```
zfdrs res set-async1 hurrev
FDRS0190E 12.46.17
HURREVERSE OPTION IS ONLY VALID WITH HUR SETS+
```

## 191. FDRS0191E

---

FDRS0191E HOPTARGET OPTION IS ONLY VALID WITH HUR SETS

**Explanation:** The HOPTAR option is only valid for HUR sets.

**System Action:** None.

**User Response:** Remove the HOPTAR option on the status entry.

**Example:**

```
zfdrs st set-async1 hoptar
FDRS0191E 12.48.40
HOPTARGET OPTION IS ONLY VALID WITH HUR SETS+
```

## 192. FDRS0192E

---

FDRS0192E HURREV OPTION IS NOT VALID WITH DELETE, ESTABLISH

**Explanation:** The HURREVERSE option is not valid for delete or establish requests.

**System Action:** None.

**User Response:** Remove the HURREV option on the HUR delete or establish entry.

**Example:**

```
zfdrs del set-ahur1 hurrev
FDRS0192E 12.50.55
HURREV OPTION IS NOT VALID WITH DELETE, ESTABLISH+
```

## 194. FDRS0194E

---

FDRS0194E DEVICE(S) NOT IN CORRECT STATE FOR PRESET REQUESTED

**Explanation:** The pair status is not correct for the preset request.

**System Action:** None.

**User Response:** Correct the pair status and issue the preset request again.

**Example:**

```
zfdrs preset def set-async1 time-110000 date-041912
FDRS0194E 12.55.02
DEVICE(S) NOT IN CORRECT STATE FOR PRESET REQUESTED+
```

## 195. FDRS0195E

---

FDRS0195E FDRSC – FILE ADDRESS TO MCHR CONVERSION ERROR

**Explanation:** FDRSC encountered an error while converting the file address to MCHR address.

**System Action:** None.

**User Response:** Correct the file address and retry the FDRSC macro. The TPF ZMCHR may aid the problem investigation.

**Example:** None.

## 196. FDRS0196E

---

FDRS0196E FDRSC – THE SHADOWIMAGE PAIR STATUS IS NOT CORRECT FOR THE USE OF THE FDRSC MACRO

**Explanation:** The FDRSC macro requires the ShadowImage pairs to be split.

**System Action:** None.

**User Response:** Correct the ShadowImage pair status and Retry the FDRSC macro.

**Example:** None.

## 197. FDRS0197E

---

FDRS0197E THE COPYMGR SITEOPTIONS DATEFORMAT IS INVALID

**Explanation:** The SITEOPTION DATEFORMAT must be one of the following character strings: YYMMDD or DDMMYY or MMDDYY.

**System Action:** None.

**User Response:** Correct the DATEFORMAT parameter issue the request again.

**Example:**

```
zfdrs copymgr siteoptions dateformat-778877
FDRS0197E 06.55.20
INVALID DATEFORMAT, MUST BE MMDDYY OR DDMMYY OR YYMMDD+
```

## 198. FDRS0198E

---

FDRS0198E     PRESET IS DEFINE FOR THIS SET

**Explanation:** The operation requested is not allowed with a preset is defined for the set.

**System Action:** None.

**User Response:** Correct the pair status and issue the requested copy operation again.

**Example:**

```
zfdrs res set-50a2
FDRS0198E 09.01.28 PRESET IS DEFINED FOR THIS SET. ACTION CANNOT PERFORMED.
ENTER BP TO OVERRIDE. +
```

## 199. FDRS0199E

---

FDRS0199E     THE JOURNAL STATUS IS ONLY ALLOWED FOR HUR SETS

**Explanation:** A Journal Status entry was made for a non-HUR set. The journal status entry is restricted to HUR sets.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs jnl st set-set2
FDRS0199E 21.37.28 JOURNAL STATUS ONLY VALID FOR HUR SETS+
```

## Messages 200-299

### 200. FDRS0200I

-----  
FDRS0200I      BEGINNING OF JOURNAL STATUS DISPLAY\_\_\_\_\_

**Explanation:** The message is issued in response to a satisfactory JNL STATUS entry.

**System Action:** None.

**User Response:** None.

**DATA Field Descriptions:**

JNL GRP - ID of one of the HUR journal groups. The display is sectioned by control unit(s) journal group id(s)

DATA USE - Percent of the journal data in use

META USE - Percent of the journal meta data in use

JNL CAPACITY - Size of the Journal Group data area

MIR ID - ID number of each mirror in the journal group. The data to the right of the mirror id is data specific to that journal group's mirror ID.

PAIRED SER NUMBER - Serial number of the paired control unit for this HUR journal group/ Mirror ID.

PAIRED JNLG - The paired journal group id in the paired control unit for this HUR journal group/Mirror ID.

TRANS RATE - The HUR link transfer rate.

JNL LOC - the physical location of this journal group/mirror ID control unit.

## Example:

```
zfdrs jnlgr st set-2x2
FDRS0200I 13.07.31
BEGIN JOURNAL STATUS DISPLAY FOR SET 2X2
JNL   DATA  META      JNL  MIR      JNL      PAIRED  PAIR  TRANS  JNL
GRP   USE    USE  CAPACITY  ID   STATUS   SER NUMBER  JNLG   RATE   LOC  _
  30   0PCT   0PCT    388GB  00   NOTUSED                00     0KB   NONE  _
                                01   NOTUSED                00     0KB   NONE
                                02   NORMAL  000000053103  30     0KB   SUPER
                                03   NOTUSED                00     0KB   NONE
  30   0PCT   0PCT    388GB  00   NOTUSED                00     0KB   NONE  _
                                01   NOTUSED                00     0KB   NONE
                                02   NORMAL  000000065423  30     0KB   SUPER
                                03   NOTUSED                00     0KB   NONE  _
END OF JOURNAL STATUS DISPLAY+

zfdrs jnlgr st set-2x2 hoptar
FDRS0200I 13.09.25
BEGIN JOURNAL STATUS DISPLAY FOR SET 2X2
JNL   DATA  META      JNL  MIR      JNL      PAIRED  PAIR  TRANS  JNL
GRP   USE    USE  CAPACITY  ID   STATUS   SER NUMBER  JNLG   RATE   LOC  _
  30   0PCT   0PCT    194GB  00   NOTUSED                00     0KB   NONE  _
                                01   NOTUSED                00     0KB   NONE
                                02   NORMAL  000000054118  30     0KB   SUBORD
                                03   NOTUSED                00     0KB   NONE  _
  30   0PCT   0PCT    291GB  00   NOTUSED                00     0KB   NONE
                                01   NOTUSED                00     0KB   NONE
                                02   NORMAL  000000066844  30     0KB   SUBORD
                                03   NOTUSED                00     0KB   NONE  _
END OF JOURNAL STATUS DISPLAY++
```



## 204. FDRS0204E

FDRS0204E      MAXIMUM JOURNAL COUNT EXCEEDED

**Explanation:** The maximum number of journals for the Journal status entry was exceeded.

**System Action:** None.

**User Response:** Contact Systems programmer.

**Example:** None.

## 206. FDRS0206I

FDRS0206I      BEGINNING OF DBREC DISPLAY\_\_\_\_\_

**Explanation:** The message is issued in response to a satisfactory DBREC DISPLAY entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs dbrec dis
FDRS0206H 13.53.36
BEGINNING OF DATABASE AREA RECORDS DISPLAY
DEFAULT RECID - C8C4 (HD)
DBNAME          FACETYPE  ( ORD-LAST-MAX )    RECID  ITEM VOLUME  PATH
                                COUNT  COUNT COUNT  _
DB BIG1          #TSDB2   ( 500- 534- 540) C8C4 (HD)  2045   2045   0  _
R700_MVS1        #TSDB2   ( 930- 931-  0) C8C4 (HD)   102    100    2  _
R700_3C00        #TSDB2   ( 980- 981-  0) C8C4 (HD)   100    100    0  _
R700_3C20        #TSDB2   ( 985- 986-  0) C8C4 (HD)   104    100    4  _
      4 ITEMS
END OF DATABASE AREA RECORDS DISPLAY+
```

## 208. FDRS0208I

FDRS0208I      DBREC ITEM REMOVED

**Explanation:** The message is issued in response to a satisfactory DBREC REM entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs dbrec rem dbn-aprd1
FDRS0208I 09.13.46 DATABASE RECORD ITEM REMOVED +
```

## 209. FDRS0209I

---

FDRS0209I DBREC ITEM ADDED

**Explanation:** The message is issued in response to a satisfactory DBREC ADD entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs dbrec add dbn-aprd1 facetype-tsdb2 ord-960 recid-hd
FDRS0209I 09.15.26 DATABASE RECORD ITEM ADDED+
```

## 210. FDRS0210I

---

FDRS0210I DBREC ITEM CHANGED

**Explanation:** The message is issued in response to a satisfactory DBREC CHA or RENAME entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs dbrec cha dbn-aprd1 ord-961
FDRS0210I 09.16.36 DATABASE RECORD ITEM CHANGED+
```

## 211. FDRS0211E

---

FDRS0211E DBNAME DOES NOT EXITS

**Explanation:** The DBNAME does not exit in the DBREC.

**System Action:** None.

**User Response:** Determine the correct DBNAME or correct the DBREC database and make the entry again.

**Example:**

```
zfdrs dbrec cha dbn-testx ord-961
FDRS0211E 09.19.04 DBNAME DOES NOT EXIST+
```

### 213. FDRS0213E

FDRS0213E DBREC ADD REQUIRES FACETYPE and ORD

**Explanation:** The DBREC ADD requires the facetype and ord parameters on the entry.

**System Action:** None.

**User Response:** Correct the DBREC ADD entry.

**Example:** None.

### 214. FDRS0214I

FDRS0214I DBREC IS EMPTY

**Explanation:** None.

**System Action:** None.

**User Response:** None.

**Example:** None.

### 216. FDRS0216I

FDRS0216I BEGINNING OF DBAREA DISPLAY\_\_\_\_\_

**Explanation:** The message is issued in response to a satisfactory DBAREA CON DISPLAY entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs dba con dis dbn-r700_3c20
BEGIN DATABASE AREA DISPLAY - DBNAME - R700_3C20
ITEM COUNT - 260 VOLUME COUNT - 256
  DEV  VOL  LCU  SSID  SERIAL NUMBER  SJ  TJ
3000   00   25  304C   000000056053  51  51
3001   01   25  304C   000000056053  51  51
3002   02   25  304C   000000056053  51  51
3003   03   25  304C   000000056053  51  51
3004   04   25  304C   000000056053  51  51
3005   05   25  304C   000000056053  51  51
3006   06   25  304C   000000056053  51  51
3007   07   25  304C   000000056053  51  51
3008   08   25  304C   000000056053  51  51
3009   09   25  304C   000000056053  51  51
300A   0A   25  304C   000000056053  51  51
300B   0B   25  304C   000000056053  51  51
300C   0C   25  304C   000000056053  51  51
300D   0D   25  304C   000000056053  51  51
300E   0E   25  304C   000000056053  51  51
300F   0F   25  304C   000000056053  51  51
3010   10   25  304C   000000056053  51  51
MORE DATA AVAILABLE, ENTER ZPAGE TO CONTINUE+
```

## 219. FDRS0219E

---

FDRS0219E EXCTG ENTRY RESTRICTED TO HUR SETS

**Explanation:** The EXCTG DEFINE< REMOVE or STATUS is only allowed for HUR sets.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs exctg set-50a1 st
FDRS0219E 09.34.16 EXCTG STATUS ONLY VALID FOR HUR-EXCTG SETS+
```

## 220. FDRS0220I

---

FDRS0220I BEGINNING OF EXCTG STATUS DISPLAY\_\_\_\_\_

**Explanation:** The message is issued in response to a satisfactory EXCTG STATUS DISPLAY entry.

**System Action:** None.

**User Response:** None.

**DATA Field Descriptions:**

EXCTG GROUP – The requested Extended Consistency Group ID number

CONSISTENCY TOD – The Extended Consistency Group (EXCTG) current consistent time/date. This information is displayed in TOD format and calendar date format

JNL GRP – One of the journal groups in the extended consistency group (EXCTG)

JNL LOC – The physical control unit location of this journal group in the EXCTG.

SERIAL NUMBER – The serial number of the control unit for the journal group in the EXCTG.

SCU ID - The control unit type being used in for this journal group. The SCUID for VSP F1500/G1x00 is 7, VSP is 6, and USP V/VM is 5.

JNL STATUS - The current status of the EXCTG's journal group. The status options are stopped, active or halted.

- Status Active – base/update copy in progress for target group
- Status Halting – base/update copy is halted in the target group
- Status Stopping – base/update copy is being suspending or deleted
- Status stopped – target group is suspended (all target pairs in the HUR group are suspended)

ARBITRATION CMD DEV – the LCU, volume number (LLVV) of the EXCTG’s arbitration command device in this control unit. The supervisor control unit does not have an arbitration command device. The arbitration command device in the supervisor control unit is x’FFFF’.

Error Code – If the EXCTG has an error present, this field will display the EXCTG error code for this journal group.

**Example:**

```

zfdrs exctg st set-2x2
FDRS0220I 17.03.57
BEGIN EXCTG STATUS DISPLAY FOR SET 2X2
EXCT  CONSISTENCY  JNL SCU  JNL  JNL SERIAL ARBITRATION  ERROR
GRP    TOD        GRP  ID   LOC   STATUS NUMBER    CMD DEV  CODE
-----
0 CA42CA51 A3365EB1  30 06  SLAVE  ACTIVE  65423      FFFF  0000
  02/10/12 17.02.56  30 06  SLAVE  ACTIVE  53103      FE40  0000
END OF EXCTG STATUS DISPLAY+

zfdrs exctg st set-r800_b100_hurl
CSMP0097I 21.35.48 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0220I 21.35.48
BEGIN EXCTG STATUS DISPLAY FOR SET R800_B100_HUR1
EXCT  CONSISTENCY  JNL SCU  JNL  JNL SERIAL ARBITRATION  ERROR
GRP    TOD        GRP  ID   LOC   STATUS NUMBER    CMD DEV  CODE
-----
NO EXCTG DEFINED
END OF EXCTG STATUS DISPLAY+

```

## 224. FDRS0224E

FDRS0224E COPYMGR CONTROL RECORD ERROR EXCREC IS NOT DEFINED

**Explanation:** The EXCREC is not properly defined in the COPYMGR record.

**System Action:** None.

**User Response:** Correct the EXCREC definition in the COPYMGR record and retry the entry.

**Example:** None.

## 225. FDRS0225E

FDRS0225E NO MATCHING ITEMS FOUND IN THE EXCREC

**Explanation:** The EXCTG record is keyed by the set name and the direction. The requested setname and direction was not found in the EXCREC.

**System Action:** None.

**User Response:** Correct the EXCREC or correct the entry’s setname and direction and retry the entry.

**Example:**

```

zfdrs excrec cha set-3x3 for mir-2
FDRS0225E 09.44.44 NO MATCHING ITEMS FOUND IN EXCTG DEFINITION RECORD+

```

## 226. FDRS0226I

FDRS0226I      BEGINNING OF EXCREC DISPLAY\_\_\_\_\_

**Explanation:** The message is issued in response to a satisfactory EXCREC DISPLAY entry.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs excrec dis
FDRS0226I 09.48.08
BEGINNING OF THE EXCTG DEFINITION CONTROL RECORD

SET NAME          FWD EXCTG  MIR      HUR SUBORD  JNLG ARBIT  SCU
REV   NUM   NUM      SERIAL    NUM  CMDV  ID
-----
2X2              R    00   00   000000054118    30  FFFF  06  EXCTG SUPER
                        000000066844    30  EF42  06
2X2              F    00   00   000000065423    30  FFFF  06  EXCTG SUPER
                        000000053103    30  FE40  06
      2 ITEMS
END OF EXCTG DEFINITION CONTROL RECORD DISPLAY+
```

## 229. FDRS0229I

FDRS0229I      EXCREC ITEM CHANGED

**Explanation:** The message is issued in response to a satisfactory EXCREC CHANGE entry.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs excrec cha set-2x2 for mir-0
FDRS0229I 09.49.16 EXCTG DEFINITION ITEM CHANGED+
```

## 231. FDRS0231I

FDRS0231I      EXCREC ITEM REMOVED

**Explanation:** The message is issued in response to a satisfactory EXCREC REMOVE entry.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs excrec rem set-3x3 for
FDRS0231I 09.52.28 EXCTG DEFINITION ITEM REMOVED+
```

### 232. FDRS0232I

---

FDRS0232I      EXCREC ITEM ADDED

**Explanation:** The message is issued in response to a satisfactory EXCREC ADD entry.

**System Action:** None.

**User Response:** None.

**Example:**

zfdrs excrec add set-3x3 for exctg-3 FDRS0232I 09.52.13 EXCTG DEFINITION ITEM ADDED+
---

### 233. FDRS0233I

---

FDRS0233I      EXCREC IS EMPTY

**Explanation:** None.

**System Action:** None.

**User Response:** None.

**Example:** None.

### 236. FDRS0236E

---

FDRS0236E      JNLGID REQUIRED

**Explanation:** When updating the journal information in the EXCREC record, the journal id is required. Example of journal information is arbitration command device and the scu id.

**System Action:** None.

**User Response:** None.

**Example:** None.

### 237. FDRS0237E

---

FDRS0237E      JNLGID NOT FOUND DURING EXCREC ADD

**Explanation:** During an EXCREC ADD entry, when adding a serial number to a journal group, the journal group was not found in the EXCREC.

**System Action:** None.

**User Response:** None.

**Example:** None.

## 238. FDRS0238E

---

FDRS0238E JNLGID NOT FOUND DURING EXCREC REM

**Explanation:** During an EXCREC REM entry, when removing a serial number from a journal group, the journal group was not found in the EXCREC.

**System Action:** None.

**User Response:** None.

**Example:** None.

## 239. FDRS0239I

---

FDRS0239I PAIR CONFIGURATION BUILT

**Explanation:** The message is issued in response to a satisfactory CREATEPAIR INIT entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs createpairs init sou-r800_b100 tar-r800_b120 set-z_r800_b100_rdk1
FDRS0239I 14.10.16
    100 PAIR DEFINITIONS SUCCESSFULLY CREATED
PAIR DEFINITIONS BUILT FOR SET Z_R800_B100_RDK1
END OF CREATEPAIR DISPLAY+

zfdrs createpairs init sou-r800_b100 tar-r800_b120 set-z_r800_b100_rdk1
FDRS0239I 14.10.16
    100 PAIR DEFINITIONS SUCCESSFULLY CREATED
PAIR DEFINITIONS BUILT FOR SET Z_R800_B100_RDK1
FDRS0424I 14.10.16
** PER SITEOPTION REQUEST, HISTORY RECORD UPDATED
END OF CREATEPAIR DISPLAY+
```



## 241. FDRS0241E

---

FDRS0241E SOURCE AND TARGET DATABASE DO NOT MATCH

**Explanation:** During a createpair request, the source and target databases are not the same size or the source and online databases are not the same size.

**System Action:** The net set is not created.

**User Response:** Verify the source and target databases are the correct databases or verify that the source and online databases are the correct databases. Correct the source or target or online database and retry the createpair entry.

**Example:**

```
zfdrs createpair sou-dbtst2 tar-dbtst3 onl-dbtst1 set-dbsil init
FDRS0241E 13.48.30
SOURCE AND TARGET DBAREA ITEM COUNTS DO NOT MATCH
OR SOURCE AND ONLINE DBAREA ITEM COUNTS DO NOT MATCH+
```

## 242. FDRS0242I

---

FDRS0242I EXCTG DEFINED\_\_\_\_\_

**Explanation:** The message is issued in response to a satisfactory EXCTG DEFINE entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs exctg set-2x2 def
FDRS0242I 10.08.21
EXCTG DEFINED TO SET 2X2+
```

## 243. FDRS0243I

---

FDRS0243I EXCTG REMOVED\_\_\_\_\_

**Explanation:** The message is issued in response to a satisfactory EXCTG REMOVE entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs exctg set-2x2 rem
FDRS0243I 10.10.36
EXCTG REMOVED FROM SET 2X2+
```

## 247. FDRS0247E

-----  
FDRS0247E THE SUPERVISOR SERIAL NUMBER IS NOT DEFINED IN THE EXCTG\_\_\_\_\_

**Explanation:** The supervisor serial number is not defined in the exctg item in the excrec. The EXCTG request require a supervisor serial to be defined.

**System Action:** None.

**User Response:** Define the supervisor serial number in the excrec item and retry the entry.

**Example:** None.

## 248. FDRS0248E

-----  
FDRS0248E THE EXCREC CHA JOURNAL REQUIRES A SERIAL NUMBER\_\_\_\_\_

**Explanation:** To change the journal information for a specific serial number in the exctg record, the serial number must be in the change entry.

**System Action:** None.

**User Response:** Retry the entry with the correct serial number.

**Example:**

zfdrs excrec cha set-2x2 for jnlj-30 scuid-5 FDRS0248E 10.45.09 EXCREC CHANGE OR REMOVE JNLG ITEM REQUIRES SLAVE SERIAL NUMBER +
---

## 249. FDRS0249E

-----  
FDRS0249E THE EXCREC MAX JOURNAL ITEMS IS 64\_\_\_\_\_

**Explanation:** During an EXCREC ADD, the max journal items of 64 was exceeded.

**System Action:** None.

**User Response:** Verify the EXCREC plan is correct.

**Example:** None.

## 250. FDRS0250E

---

FDRS0250E FORWARD OR REVERSE IS REQUIRED FOR EXCREC CHANGE, REMOVE OR ADD\_\_

**Explanation:** To change, remove or add an EXCREC item, the direction must be entered.

**System Action:** None.

**User Response:** Retry the entry with the correct direction.

**Example:**

```
zfdrs excrec rem set-3x3 jnlq-30
FDRS0250E 10.49.14 MUST ENTER REVERSE OR FORWARD FOR EXCREC ADD, CHANGE or REMOVE +
```

## 253. FDRS0253E

---

FDRS0253E PRESET IS NOT ALLOWED FOR HUR SETS\_\_\_\_\_

**Explanation:** A PRESET was made for an HUR set.

**System Action:** None.

**User Response:** None.

**Example:** None.

## 254. FDRS0254E

---

FDRS0254E INCORRECT HUR PAIR STATUS FOR EXCTG DEFINE OR REMOVE \_\_\_\_\_

**Explanation:** A EXCTG DEFINE or Remove entry was made while the HUR pairs status was incorrect.

**System Action:** None.

**User Response:** Correct the HUR pair status and retry the entry.

**Example:**

```
zfdrs exctg rem set-gmini
FDRS0254E 15.42.38 INCORRECT HUR PAIR STATUS FOR EXCTG DEFINE OR REMOVE
FOR DEFINE, PAIR STATUS MUST BE DUPLEX OR PENDING DUPLEX
FOR REMOVE, PAIR STATUS CANNOT BE SIMPLEX+

zfdrs exctg def set-gmini
FDRS0254E 15.42.44 INCORRECT HUR PAIR STATUS FOR EXCTG DEFINE OR REMOVE
FOR DEFINE, PAIR STATUS MUST BE DUPLEX OR PENDING DUPLEX
FOR REMOVE, PAIR STATUS CANNOT BE SIMPLEX++
```

## 255. FDRS0255E

FDRS0255E THE ONLSDA PARAMETER IS REQUIRED WHEN IOSDA IS ZERO.\_\_\_\_

**Explanation:** To use the CDVDIS, CDVDEF or CDVREM with IOSDA=0, you must specify use the ONLSDA parameter. The ONLSDA parameter will identify the TPF online volume that will receive the command.

**System Action:** None.

**User Response:** Retry the entry with the correct ONLSDA parameter.

**Example:**

```
zfdrs rcurec cdvdis tarser-65423
FDRS0255E 14.28.31
THE ONLSDA PARAMETER IS REQUIRED FOR CDVDIS, CDVDEF AND CDVREM
WHEN THE REMOTE CONTROL UNIT ITEM IOSDA IS ZERO++
```

## 269. FDRS0269E

FDRS0269E THE VERIFY ENTRY REQUIRES THE SETNAME OR SINGLE PARAMETER \_\_\_\_

**Explanation:** The verify entry requires a SETNAME or the SINGLE parameter.

**System Action:** None.

**User Response:** Retry the entry with the correct SETNAME or the SINGLE parameter.

**Example:**

```
zfdrs verify
FDRS0269E 14.54.49
VERIFY ENTRY REQUIRES THE SETNAME OR SINGLE PARAMETER+
```

## 270. FDRS0270E

FDRS0270E MISSING PARAMETERS WHEN USING THE VERIFY SINGLE ENTRY.

**Explanation:** The verify single entry requires the IOSDA, SERIAL, SSID, LCU and VOL parameters. One or more of these parameters are missing in the VERIFY SINGLE entry.

**System Action:** None.

**User Response:** Retry the entry with the correct VERIFY SINGLE parameters.

**Example:**

```
zfdrs ver single iosda-3500 lcu-3 vol-2
FDRS0270E 15.00.07
VERIFY SINGLE ENTRY REQUIRES PARMAMETERS : IOSDA, SERIAL, SSID, LCU, VOL+
```

## 273. FDRS0273I

FDRS0273I BEGINNING OF TRUECOPY PATH STATUS ..... \_\_

**Explanation:** The message is issued in response to a satisfactory TrueCopy PATH STATUS entry.

PATH status error codes:

00: No Path

01: Established Path (display shows ACTIVE)

02: Initialization failed

03: Timed Out (An attempt to establish this path failed)

04: No Resource available at Source Control Unit (The port of the Source Control Unit already has the maximum number of logical paths)

05: No Resource available at Target Control Unit (The port of the Target Control Unit already has the maximum number of logical paths)

06: Serial Number Mismatch (Invalid serial number of the target control unit was specified)

10: Invalid Interface ID

Not listed error code: Contact Hitachi Vantara TPF Engineering support.

**System Action:** None.

**User Response:** If an error in the status, contact system programmer or contact Hitachi Vantara TPF engineering support.

### Example:

```
zfdrs path st set-r800_b000_tc1
FDRS0273I 08.58.08
BEGINNING OF THE TRUE COPY PATH STATUS DISPLAY FOR SET: R800_B000_TC1
----- SOURCE -----3----- TARGET -----3PATH
SERIAL NUM   LCU SSID PORT SERIAL NUM   SCU SSID SSID SSID SSID LCU PORT STATUS
000000010081 30 79C0 40 000000010038 07 0004 0000 0000 0000 E0 67 ACTIVE
                    50                                77 ACTIVE
000000010081 31 79C4 40 000000010038 07 0004 0000 0000 0000 E0 67 ACTIVE
                    50                                77 ACTIVE
000000010081 32 79C8 40 000000010038 07 75E1 0000 0000 0000 E1 67 ACTIVE
                    50                                77 ACTIVE
000000010081 33 79CC 40 000000010038 07 75E1 0000 0000 0000 E1 67 ACTIVE
                    50                                77 ACTIVE
END OF PATH STATUS DISPLAY+
```

## 276. FDRS0276I

FDRS0276I BEGINNING OF HUR PATH ID STATUS ..... \_\_

**Explanation:** The message is issued in response to a satisfactory HUR PATH ID entry.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs path id set-r800_b000_hur1
FDRS0276I 09.07.26
BEGINNING OF THE PATHID BITMAP DISPLAY FOR SET: R800_B000_HUR1
SERIAL NUM - 000000010038 SCUID - 07
PATHID BIT = ON, HUR PATHID IN USE
PATHID BIT = X, HUR PATHID NOT IN USE
  0  1  2  3  4  5  6  7  8  9  0  1  2  3  4  5  6  7  8  9
0 ON X X X X X X X X X X X X X X X X X X X X X
20 X X X X X X X X X X X X X X X X X X X X X
40 X X X X X X X X X X X X X X X X X X X X X
60 X X X X X X X X X X X X X X X X X X X X X
80 X X X X X X X X X X X X X X X X X X X X X
100 X X X X X X X X X X X X X X X X X X X X X
120 X X X X X X X X X X X X X X X X X X X X X
140 X X X X X X X X X X X X X X X X X X X X X
160 X X X X X X X X X X X X X X X X X X X X X
180 X X X X X X X X X X X X X X X X X X X X X
200 X X X X X X X X X X X X X X X X X X X X X
220 X X X X X X X X X X X X X X X X X X X X X
240 X X X X X X X X X X X X X X X X X X X X X
END OF PATH STATUS DISPLAY++
```

## 279. FDRS0279I

FDRS0279I BEGINNING OF HUR PATH STATUS ..... \_\_

**Explanation:** The message is issued in response to a satisfactory HUR PATH STATUS entry.

PATH status error codes:

00: No Path

01: Established Path (display shows ACTIVE)

02: Initialization failed

03: Timed Out (An attempt to establish this path failed)

04: No Resource available at Source Control Unit (The port of the Source Control Unit already has the maximum number of logical paths)

05: No Resource available at Target Control Unit (The port of the Target Control Unit already has the maximum number of logical paths)

06: Serial Number Mismatch (Invalid serial number of the target control unit was specified)

10: Invalid Interface ID

Not listed error code: Contact Hitachi Vantara TPF Engineering support.

**System Action:** None.

**User Response:** Retry the entry with the correct VERIFY SINGLE parameters.

**Example:**

```
zfdrs path st set-r800_b000_hurl
FDRS0279I 09.04.38
BEGINNING OF THE HUR PATH STATUS DISPLAY FOR SET: R800_B000_HURL
----- SOURCE -----33----- TARGET -----33 PATH PATH
SERIAL NUM PORT SERIAL NUM PORT SCU ID STATUS
000000010081 40 000000010038 67 00 00 ACTIVE
                    50                77                ACTIVE
END OF PATH STATUS DISPLAY+ +
```

## 285. FDRS0285E

FDRS0285E NO SSID PATH DEFINITIONS FOUND

**Explanation:** When issuing a path status or delete entry, no ssid paths were found in the control unit.

**System Action:** None.

**User Response:** Contact Hitachi Vantara TPF engineering for help when analyzing the TrueCopy or HUR path definitions.

**Example:** None.

## 287. FDRS0287I

---

FDRS0287I     DISPLAY A REMOTE CONTROL UNIT's COMMAND DEVICE SETTINGS

**Explanation:** Displays the Remote Control Units Command Device settings.

**System Action:** None.

**User Response:** Analyze the results of this display with Hitachi Vantara TPF Engineering.

**Example:**

```
zfdrs rcurec cdvdis tarser-65423 r0ser-54118
CSMP0097I 09.24.39 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0287I 09.24.39
BEGINNING OF THE COMMAND DEVICE STATUS DISPLAY
TARGET SERIAL NUMBER: 000000065423
DEVICE LCU 15 VOL 3F IN SERIAL NUMBER 000000054118
IS DEFINED AS A COMMAND DEVICE WITH APPLICATION ID 02+
```

## 288. FDRS0288E

---

FDRS0288E     THE SETNAME IS TOO LONG\_\_

**Explanation:** The SETNAME parameter is restricted to 16 characters or less. The entry made used a set name longer than 16 characters.

**System Action:** None.

**User Response:** Retry the entry with the correct SETNAME or reduce the number of characters in the set name and retry the entry.

**Example:**

```
zfdrs setrec add set-toolongnametest1234567 facet-tsdb2 ord-300
FDRS0288E 15.58.31 SETNAME or DBNAME TOO LONG (MORE THAN 16 CHARACTERS)+

zfdrs st set-toolongnametest1234567
FDRS0032E 15.55.56 SETNAME or DBNAME TOO LONG (MORE THAN 16 CHARACTERS)+
```



## 292. FDRS0292I

FDRS0292I BEGINNING OF DBAREA PATH DISPLAY\_\_\_\_\_

**Explanation:** The message is issued in response to a satisfactory DBAREA CON DISPLAY PATH entry.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs dba con dis dbn-r700_3c20 path
FDRS0292I 09.33.08
BEGIN DATABASE AREA PATH DISPLAY - DBNAME - R700_3C20
ITEM COUNT - 262 PATH COUNT - 4
SERIAL TC HUR 3SOURCE PATH PORTS 3TARGET PATH PORTS
NUMBER SSID PID S1 S2 S3 S4 S5 S6 S7 S8 T1 T2 T3 T4 T5 T6 T7 T8
000000056052 3040 FF 25 35 00 00 00 00 00 00 00 00 00 00 00 00 00 00
000000056052 3041 FF 25 35 00 00 00 00 00 00 00 00 00 00 00 00 00 00
000000056052 3042 FF 25 35 00 00 00 00 00 00 00 00 00 00 00 00 00 00
000000056052 3043 FF 25 35 00 00 00 00 00 00 00 00 00 00 00 00 00 00
4 ITEMS
END OF DATABASE AREA PATH CONFIGURATION DISPLAY+
```

## 294. FDRS0294E

FDRS0294E ILLEGAL PARAMETER WAS USED WITH DBAREA PATH ENTRY

**Explanation:** When entering Path definitions into a database area, the TrueCopy path definitions only allow the SSID and Serial number parameters along with the port ids. The HUR path definitions only allow the serial number along with the port IDs and the HUR pathid.

**System Action:** None.

**User Response:** Retry the entry without the illegal parameter.

### Example:

```
zfdrs dba con add dbn-r700_3800 ssid-400 s1-13 d-3400 path ser-1234
FDRS0294E 05.30.15 ILLEGAL PARAMETER WAS USED WITH DBAREA PATH ENTRY+

zfdrs dba con add dbn-r700_3800 hurp-2 s1-13 d-3400 path ser-123456
FDRS0294E 05.34.37 ILLEGAL PARAMETER WAS USED WITH DBAREA PATH ENTRY+
```

## 295. FDRS0295E

---

FDRS0295E DBAREA PATH PARAMETERS ENTERED WITHOUT PATH OPTION\_\_

**Explanation:** When entering Path definitions into a database area, the path parameter must be used with the entry.

**System Action:** None.

**User Response:** Retry the entry with the PATH parameter.

**Example:**

```
zfdrs dba con add dbn-r700_3800 d-3800 s1-13
FDRS0295E 05.21.37 DBAREA PATH ONLY PARAMETERS ENTERED WITHOUT PATH OPTION+
```

## 296. FDRS0296E

---

FDRS0296E CANNOT USE BOTH HURPATHID AND SSID WHEN USING PATH OPTION\_\_

**Explanation:** When entering Path definitions into a database area, the HURPATHID parameter must be used when defining the HUR path definitions. The SSID parameter must be used when defining the TrueCopy path definitions. Both the HURPATHID and the SSID cannot be used in the same entry.

**System Action:** None.

**User Response:** Retry the entry with either the correct SSID or HURPATHID parameter.

**Example:**

```
zfdrs dba con add dbn-r700_3800 path ssid-400 hurp-2 s1-13
FDRS0296E 05.42.39 CANNOT USE BOTH HURPATHID AND SSID WHEN USING PATH OPTION+
```

## 297. FDRS0297E

---

FDRS0297E PATH OPTION REQUIRES EITHER THE SSID OR HURPATHID PARAMETER

**Explanation:** When entering Path definitions into a database area, the HURPATHID parameter must be used when defining the HUR path definitions. The SSID parameter must be used when defining the TrueCopy path definitions. One of these two parameters must be entered when defining a DBA path.

**System Action:** None.

**User Response:** Retry the entry with either the correct SSID or HURPATHID parameter.

**Example:**

```
zfdrs dba con add dbn-r700_3800 path s1-13
FDRS0297E 05.39.16 PATH OPTION REQUIRES EITHER THE SSID OR HURPATHID PARAMETER+
```

## 298. FDRS0298E

---

FDRS0298E      PATH FOR HUR REQUIRES SERIAL NUMBER

**Explanation:** When entering HUR Path definitions into a database area, the SERIAL parameter must be used.

**System Action:** None.

**User Response:** Retry the entry with either the correct SERIAL parameter.

**Example:**

zfdrs dba con add dbn-r700_3800 path hurp-2 s1-13 FDRS0298E 05.51.55 PATH FOR HUR REQUIRES SERIAL NUMBER+
--

## 299. FDRS0299E

---

FDRS0299E      PATH FOR TRUECOPY REQUIRES AN SSID AND SERIAL  
NUMBER

**Explanation:** When entering TrueCopy Path definitions into a database area, both the SSID and SERIAL parameters must be used.

**System Action:** None.

**User Response:** Retry the entry with either the correct SSID and SERIAL parameters.

**Example:**

zfdrs dba con add dbn-r700_3800 path ssid-500 s1-13 FDRS0299E 05.54.07 PATH FOR TRUECOPY REQUIRES AN SSID AND SERIAL NUMBER+
---

## Messages 300-399

### 300. FDRS0300E

-----  
FDRS0300E      DATABASE AREA PATH ITEM DOES NOT EXIST

**Explanation:** When altering a database area path definition, the requested path definition to alter was not found in the database area.

**System Action:** None.

**User Response:** Investigate the database area path definitions, correct the entry and retry the entry.

**Example:**

```
zfdrs dba con cha dbn-r700_3800 path ssid-500 ser-12345 s1-13
FDRS0300E 05.56.02 DATABASE AREA PATH ITEM DOES NOT EXIST+
```

### 301. FDRS0301E

-----  
FDRS0301E      DEVICE or PATH PARAMETER IS REQUIRED

**Explanation:** When entering a database area volume definition, the device parameter is required. When entering a database area path definition, the path parameter is required.

**System Action:** None.

**User Response:** Retry the entry with the correct device number.

**Example:**

```
zfdrs dba con cha dbn-r700_3800 lcu-3 vol-14 ssid-500 ser-12345
FDRS0301E 06.03.27 DEVICE PARAMETER OR PATH PARAMETER IS REQUIRED+
```

### 302. FDRS0302E

-----  
FDRS0302E      ONLY DEVICE PARAMETER ALLOWED WITH REMOVE

**Explanation:** When removing a database area volume definition, only the device parameter is allowed.

**System Action:** None.

**User Response:** Retry the entry with only the correct device number.

**Example:**

```
zfdrs dba con rem dbn-r700_3800 d-3800 lcu-3 vol-14 ssid-500 ser-12345
FDRS0302E 06.04.37 ONLY DEVICE PARAMETER ALLOWED WITH REMOVE+
```

### 303. FDRS0303I

#### FDRS0303I BEGIN (Set Copy Type) PATH DISPLAY

**Explanation:** The message is issued in response to a satisfactory CONFIG DISPLAY PATH entry.

**System Action:** None.

**User Response:** None.

#### Example:

```
zfdrs con dis set-r700_3420_tcl path
FDRS0303I 11.03.05 BEGIN REMOTE SYNC PATH DISPLAY - SET-R700_3420_TC1
PAIR COUNT - 16
DEV  SOURCE SER#  TC  HUR  3SOURCE PATH PORTS  3TARGET PATH PORTS
      SSID PID  S1 S2 S3 S4 S5 S6 S7 S8  T1 T2 T3 T4 T5 T6 T7 T8
3400 000000054118 0450 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3500 000000054118 0454 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3600 000000054118 0458 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3700 000000054118 045C FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3401 000000054118 0450 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3501 000000054118 0454 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3601 000000054118 0458 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3701 000000054118 045C FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3402 000000054118 0450 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3502 000000054118 0454 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3602 000000054118 0458 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3702 000000054118 045C FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3403 000000054118 0450 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3503 000000054118 0454 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3603 000000054118 0458 FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3703 000000054118 045C FF 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
16 ITEMS
END TRUCCOPY      DISPLAY+

zfdrs con dis set-r700_3400_hur1 path
FDRS0303I 11.04.53 BEGIN REMOTE HUR PATH DISPLAY - SET-R700_3400_HUR1
PAIR COUNT - 16
DEV  SOURCE SER#  TC  HUR  3SOURCE PATH PORTS  3TARGET PATH PORTS
      SSID PID  S1 S2 S3 S4 S5 S6 S7 S8  T1 T2 T3 T4 T5 T6 T7 T8
3400 000000054118 0450 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3500 000000054118 0454 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3600 000000054118 0458 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3700 000000054118 045C 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3401 000000054118 0450 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3501 000000054118 0454 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3601 000000054118 0458 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3701 000000054118 045C 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3402 000000054118 0450 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3502 000000054118 0454 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3602 000000054118 0458 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3702 000000054118 045C 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3403 000000054118 0450 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3503 000000054118 0454 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3603 000000054118 0458 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
3703 000000054118 045C 00 03 13 03 13 00 00 00 00 23 33 33 23 00 00 00 00
16 ITEMS
END HUR      DISPLAY+
```

### 305. FDRS0305E

---

FDRS0305E MISSING CREATEPAIR ACTION PARAMETER

**Explanation:** When using the CREATEPAIR entry, INIT or REPLACE parameter must be used.

**System Action:** None.

**User Response:** Retry the entry with the INIT or REPLACE parameter.

**Example:**

```
zfdrs createpair set-qtst sou-r700_3c00 tar-r700_3800
FDRS0305E 06.27.18 MISSING CREATEPAIR ACTION PARAMETER+
```

### 306. FDRS0306E

---

FDRS0306E JNLGROUP ENTRY REQUIRES THE STAT PARAMETER

**Explanation:** When using the JNLGROUP entry, the STATUS parameter must be used.

**System Action:** None.

**User Response:** Retry the entry with the STATUS parameter.

**Example:**

```
zfdrs jnl set-r700_3400_hurl
FDRS0306E 06.29.54 JNLGROUP ENTRY REQUIRES THE STAT PARAMETER+
```

### 307. FDRS0307E

---

FDRS0307E MISSING EXCTG ACTION PARAMETER

**Explanation:** When using the EXCTGROUP entry, the STATUS or DEFINE or REMOVE parameter must be used.

**System Action:** None.

**User Response:** Retry the entry with either the STATUS or DEFINE or REMOVE parameter.

**Example:**

```
zfdrs exctg set-r700_3400_hurl
FDRS0307E 06.31.18 MISSING EXCTG ACTION PARAMETER+
```

### 308. FDRS0308E

---

FDRS0308E MISSING SET NAME

**Explanation:** A ZFDRS entry was made that requires the set name parameter.

**System Action:** None.

**User Response:** Retry the entry with the correct SETNAME parameter.

**Example:**

```
zfdrs st  
FDRS0308E 07.38.54 MISSING SET NAME+
```

### 309. FDRS0309E

---

FDRS0309E THE PATH ID PARAMETER IS ONLY VALID FOR HUR SETS

**Explanation:** When entering a PATH ID entry, the set being queried was not an HUR set. The PATH ID entry is restricted to HUR sets.

**System Action:** None.

**User Response:** Use the correct HUR set and retry the entry, or retry the entry with the STATUS parameter instead of the ID parameter.

**Example:**

```
zfdrs path id set-r700_7000_tc1  
FDRS0309E 07.50.33 THE PATH ID PARAMETER IS ONLY VALID FOR HUR SETS+
```

### 310. FDRS0310I

---

FDRS0310I PATH AND PORT DEFINITION ADDED TO THE CONTROL UNIT

**Explanation:** This is the reply to a successful PATH DEFINE entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

### 311. FDRS0311I

---

FDRS0311I PATH AND PORT DEFINITION REMOVED TO THE CONTROL UNIT

**Explanation:** This is the reply to a successful PATH DELETE entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

### 312. FDRS0312E

---

FDRS0312E NO VOLUMES DEFINE IN THE SOURCE OR TARGET OR ONLINE DATABASE AREA

**Explanation:** When entering a CREATEPAIR entry, either the SOURCE or TARGET or ONLINE database area is empty.

**System Action:** None.

**User Response:** Verify the correct database area name is being used and retry the entry, or correct the database area and retry the entry.

**Example:** None.

### 313. FDRS0313E

---

FDRS0313E CREATEPAIR FOUND A SOURCE AND TARGET SERIAL NUMBER MISMATCH

**Explanation:** When entering a CREATEPAIR entry for a ShadowImage set, a mismatch of serial numbers between the source and target volume was found. When creating a ShadowImage set, the serial numbers of the paired volumes in the database areas must match.

**System Action:** None.

**User Response:** Verify the correct database area name is being used and retry the entry, or correct the database area and retry the entry.

**Example:** None.

### 314. FDRS0314E

---

FDRS0314E CREATEPAIR FOUND A SOURCE AND TARGET SERIAL NUMBER MATCH

**Explanation:** When entering a CREATEPAIR entry for an HUR or TrueCopy set, a match of serial numbers between the source and target volume was found. When creating an HUR or TrueCopy set, the serial numbers of the paired volumes in the database areas may not match.

**System Action:** None.

**User Response:** Verify the correct database area name is being used and retry the entry, or correct the database area and retry the entry.

**Example:** None.



### 315. FDRS0315E

---

FDRS0315E FIND ERROR, SERRC SUPPRESSED BY SITEOPTION NOSERRC

**Explanation:** During the processing of a Copy Manager entry, a find error was encountered. The SERRC was suppressed due to the site option NOSERRC.

**System Action:** None.

**User Response:** Contact a systems programmer.

**Example:** None.

### 316. FDRS0316E

---

FDRS0316E PROGRAM LOGIC ERROR, SERRC SUPPRESSED BY SITEOPTION NOSERRC

**Explanation:** During the processing of a Copy Manager entry, a program logic error was encountered. The SERRC was suppressed due to the site option NOSERRC.

**System Action:** None.

**User Response:** Contact a systems programmer.

**Example:** None.

### 319. FDRS0319E

---

FDRS0319E PROGRAM LOGIC ERROR IN PROGRAM pppp

**Explanation:** During the processing of a Copy Manager entry, a program logic error was encountered.

**System Action:** None.

**User Response:** Contact a systems programmer.

**Example:** None.

### 320. FDRS0320E

---

FDRS0320E DBREC CONTROL RECORD FIND OR FACE ERROR IN PROGRAM pppp

**Explanation:** During the processing of a Copy Manager entry, a find error occurred while trying to find the DBREC.

**System Action:** None.

**User Response:** Contact a systems programmer.

**Example:** None.

### 321. FDRS0321E

---

FDRS0321E     EXCREC CONTROL RECORD FIND OR FACE ERROR IN PROGRAM pppp

**Explanation:** During the processing of a Copy Manager entry, a find error occurred while trying to find the EXCREC.

**System Action:** None.

**User Response:** Contact a systems programmer.

**Example:** None.

### 322. FDRS0322E

---

FDRS0322E     DUPLICATE VOLUME,LCU,SSID,SERIAL NUMBER FOUND IN THE DATABASE AREA

**Explanation:** When adding a volume to a database area, a duplicate volume definition was found.

**System Action:** None.

**User Response:** Correct the DBA ADD entry and retry, or use the BP option to override the duplicate volume definition verification.

**Example:**

zfdrs dba con add dbn-r700_3c00 d-7000 vol-0 lcu-1c ssid-470 ser-54118 FDRS0322E 09.36.06 A DUPLICATE VOLUME,LCU,SSID,SERIAL NUMBER FOUND IN THE DATABA SE AREA+
--

### 323. FDRS0323E

---

FDRS0323E     MAXORDINAL EXCEEDED. NO DATABASES WERE UPDATED

**Explanation:** During the processing of the CON ADD or a DBA CON ADD, the update caused the maximum ordinal for the database area or pair configuration records to be exceeded. No updates were made to the databases.

**System Action:** None.

**User Response:** Verify the ordinal use of the database area or the pair configuration records.

**Example:** None.

### 324. FDRS0324E

FDRS0324E THE MAXORDINAL SETTING IS LOWER THAN THE STARTING ORDINAL SETTING

**Explanation:** During the processing of the CON ADD or a DBA CON ADD, the MAXORDINAL setting that was defined is less than the starting ordinal setting. No updates were made to the databases

**System Action:** None.

**User Response:** Verify the ordinal use of the database area or the pair configuration records.

**Example:** None.

### 325. FDRS0325I

FDRS0325I BEGINNING OF ..... SET DEFAULTS\_\_\_\_\_

**Explanation:** The message is issued in response to a satisfactory SETREC DISPLAY DEFAULTS entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs setrec dis defaults
FDRS0325I 06.37.04
BEGINNING OF SET DEFAULTS RECORD DISPLAY
          3COPY  3DEFAULTS
SETNAME      TYPE      HOP (OL ALL)  SRC CG SJ TJ MI HPID
LEGACY       TC-SYNC    N ( N - N)   N 00 00 00 00 00 DISABLE
R800_B100_HUR1 HUR-EXC  N ( N - N)   N 00 00 00 00 00 ENABLE
R800_B100_RDKC1 SI-SYNC  Y ( N - N)   N 00 00 00 00 00 ENABLE
R800_B100_SI1  SI-SYNC  N ( Y - Y)   N 00 00 00 00 00 ENABLE
R800_B100_SI2  SI-SYNC  N ( N - N)   N 00 00 00 00 00 ENABLE
R800_B100_TC1  TC-SYNC  N ( Y - N)   N 00 00 00 00 00 ENABLE
      6 ITEMS
END OF SET RECORD DISPLAY+
```

## 326. FDRS0326I

FDRS0326I BEGINNING OF ZFDRS FORMATTED RECORD DISPLAY\_\_\_\_\_

**Explanation:** The message is issued in response to a satisfactory CON DIS FORMAT or a DBA CON DIS FORMAT entry.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs con dis set-r700_3400_si1 format
FDRS0326I 09.58.56
BEGINNING OF ZFDRS FORMATTED RECORD DISPLAY
ZFDRS CON ACTION SET-R700_3400_SI1 D-3400 SV-00 SL-14 SSS-0450 SSE-0000000541
18 TV-20 TL-14 TSS-0450 TSE-000000054118 CGID-12 SJ-00 TJ-00 MIR-00 _
ZFDRS CON ACTION SET-R700_3400_SI1 D-3500 SV-00 SL-15 SSS-0454 SSE-0000000541
18 TV-20 TL-15 TSS-0454 TSE-000000054118 CGID-12 SJ-00 TJ-00 MIR-00 _
ZFDRS CON ACTION SET-R700_3400_SI1 D-3600 SV-00 SL-16 SSS-0458 SSE-0000000541
18 TV-20 TL-16 TSS-0458 TSE-000000054118 CGID-12 SJ-00 TJ-00 MIR-00 _
ZFDRS CON ACTION SET-R700_3400_SI1 D-3700 SV-00 SL-17 SSS-045C SSE-0000000541
18 TV-20 TL-17 TSS-045C TSE-000000054118 CGID-12 SJ-00 TJ-00 MIR-00 _
ZFDRS CON ACTION SET-R700_3400_SI1 D-3401 SV-01 SL-14 SSS-0450 SSE-0000000541
18 TV-21 TL-14 TSS-0450 TSE-000000054118 CGID-12 SJ-00 TJ-00 MIR-00 _
ZFDRS CON ACTION SET-R700_3400_SI1 D-3501 SV-01 SL-15 SSS-0454 SSE-0000000541
18 TV-21 TL-15 TSS-0454 TSE-000000054118 CGID-12 SJ-00 TJ-00 MIR-00 _
6 ITEMS
END OF LOCAL COPY DISPLAY+

zfdrs dba con dis dbn-r700_3c00 format
FDRS0326I 10.01.48
BEGINNING OF ZFDRS FORMATTED RECORD DISPLAY
ZFDRS DBA CON ACTION DBN-R700_3C00 D-3C00 VOL-00 LCU-1C SSID-0470 SER-000
000054118
ZFDRS DBA CON ACTION DBN-R700_3C00 D-3D00 VOL-00 LCU-1D SSID-0474 SER-000
000054118 _
ZFDRS DBA CON ACTION DBN-R700_3C00 D-3E00 VOL-00 LCU-1E SSID-0478 SER-000
000054118
ZFDRS DBA CON ACTION DBN-R700_3C00 D-3F00 VOL-00 LCU-1F SSID-047C SER-000
000054118
ZFDRS DBA CON ACTION DBN-R700_3C00 D-7000 VOL-00 LCU-1C SSID-0470 SER-000
000054118 _
ZFDRS DBA CON ACTION DBN-R700_3C00 D-3C01 VOL-01 LCU-1C SSID-0470 SER-000
000054118
ZFDRS DBA CON ACTION DBN-R700_3C00 D-3D01 VOL-01 LCU-1D SSID-0474 SER-000
000054118
ZFDRS DBA CON ACTION DBN-R700_3C00 D-3E01 VOL-01 LCU-1E SSID-0478 SER-000
000054118 _
8 ITEMS
END OF DATABASE AREA CONFIGURATION DISPLAY
```

### 335. FDRS0335E

---

FDRS0335E IO ERROR ENCOUNTERED WHILE TRYING TO GET COMMAND DEVICE STATUS

**Explanation:** During a RCUREC CDVDIS entry, and IO error occurred.

**System Action:** None.

**User Response:** Contact a systems programmers to ensure the command devices are corrected defined.

**Example:**

```
zfdrs rcurec cdvdis tarser-65423
FDRS0335I 11.00.18
IO ERROR ENCOUNTERED WHILE TRYING TO GET COMMAND DEVICE STATUS
FOR TARGET SERIAL NUMBER: 000000065423
DEVICE LCU 40 VOL 7F IN SERIAL NUMBER 000000065423
REMOTE COMMAND DEVICE MAY NOT BE DEFINED
USE DUMP OPTION TO GET SENSE DATA+
```

### 336. FDRS0336E

---

FDRS0336E PRESET DEFINED USED WHEN IN 1052 STATE

**Explanation:** A PRESET define was enter while the TPF system is in 1052 state.

**System Action:** None.

**User Response:** Verify if the PRESET entry should be made in 1052 state. If the PRESET DEF is allowed to be made in 1052 state, use the BP parameter to override the 1052 state check.

**Example:**

```
zfdrs rcurec cdvdis tarser-65423
zfdrs preset def set-r700_3400_sil time-130000
FDRS0336I 10.10.25
PRESET DEFINE REQUESTED WHEN IN 1052 STATE.
USE BP TO ALLOW THE PRESET DEFINE+
```

### 337. FDRS0337E

---

FDRS0337E THE EXCTG IS NOT DEFINED PRIOR TO ISSUING THE HUR RESUME ENTRY.

**Explanation:** When an HUR RESUME entry was made, the EXCTG for the HUR set was not defined.

**System Action:** None.

**User Response:** Define the EXCTG and retry the RESUME. If the RESUME is allowed without the EXCTG being defined, use the BP parameter to override the EXCTG define verification.

**Example:** None.

### 341. FDRS0341E

---

FDRS0341E FDRSC - COPYMANAGER HEAP DATA RETURNED BY FDRSC IS NOT VALID.

**Explanation:** When FDRSC is sent a heap address, the heap data at that address was corrupted or not correct

**System Action:** None.

**User Response:** Verify the heap address being sent to FDRSC is correct.

**Example:** None.

### 342. FDRS0342E

---

FDRS0342E FDRSC - FDRSC ATTEMPTED TO DO A FREEC BUT THE HEAP ADDRESS TO FREE IS ZERO

**Explanation:** When FDRSC is sent a heap address with a request to do a FREEC. The heap address is zero.

**System Action:** None.

**User Response:** Verify the heap address being sent to FDRSC is correct.

**Example:** None.

### 343. FDRS0343E

---

FDRS0343E DEVICE(S) NOT IN CORRECT STATE FOR PATH REQUEST

**Explanation:** A path request was made for a set and the pairs in the set were not in a simplex state.

**System Action:** None.

**User Response:** Correct the set's pair state or verify that the path request is for the correct set.

**Example:** None.

### 344. FDRS0344E

---

FDRS0344E NO PATHS DEFINED IN THE PAIR CONFIGURATION

**Explanation:** A path request was made for a set, but no path definitions are in the set's pair definitions.

**System Action:** None.

**User Response:** Add the path definitions to each pair in the set.

**Example:** None.

### 345. FDRS0345E

---

FDRS0345E     MONITOR REQUEST REQUIRES START OR STOP OPTION

**Explanation:** A monitor request was made without either the START or STOP parameter.

**System Action:** None.

**User Response:** Make the monitor request again using either the START or STOP parameter.

**Example:**

<pre>zfdrs mon set-h700_3400_mvsl time-10 FDRS0345E 23.47.07 MONITOR REQUEST REQUIRES START OR STOP OPTION+</pre>
---

### 346. FDRS0346E

---

FDRS0346E     THE ENTERED MAXORD IS LOWER THAN THE CURRENT  
STARTING ORDINAL OR THE CURRENT LAST ORDINAL

**Explanation:** A SETREC MAXORDINAL request was made with a MAXORDINAL lower than the set's starting ordinal or lower than the set's in-use last ordinal.

**System Action:** None.

**User Response:** Verify the MAXORDINAL value or SETNAME and enter the SETREC entry again.

**Example:** None.

### 347. FDRS0347E

---

FDRS0347E     PATH DELETE REQUEST REQUIRES THE PATH TO BE DEFINED.  
USE BP OPTION TO FORCE PATH REMOVE REQUEST

**Explanation:** A PATH delete was made for a path that is not defined. Ensure a path delete is required by verifying the path status using the ZFDRS PATH STATUS entry.

**System Action:** None.

**User Response:** Verify the MAXORDINAL value or SETNAME and enter the SETREC entry again.

**Example:** None.

### 349. FDRS0349E

---

FDRS0349E ILLEGAL VALUE FOR SITEOPTION MAX COUNT FIELD. VALID RANGE IS HEX 08 TO 100

**Explanation:** The value entered for the siteoption MAXCOUNT was outside the allowed range for MAXCOUNT. The allowed range for MAXCOUNT is from hexadecimal x'8' to hexadecimal x'100'.

**System Action:** None.

**User Response:** Correct the MAXCOUNT value and enter the request again.

**Example:** None.

### 350. FDRS0350E

---

FDRS0350E CANNOT ADD HUR PATH ITEM, AN HUR PATH ITEM ALREADY EXISTS FOR THIS SERIAL NUMBER

**Explanation:** An HUR path item already exist in the Data Base area for the requested Serial Number. Only one path item is allowed per serial number per DataBase area.

**System Action:** None.

**User Response:** Determine te correct path definition needs for the DataBase area. Provide the correct DataBase area HUR path definitions.

**Example:** None.

### 351. FDRS0351E

---

FDRS0351E CANNOT ADD TC PATH ITEM, A TC PATH ITEM ALREADY EXISTS FOR THIS SERIAL NUMBER AND SSID

**Explanation:** A TrueCopy path item already exist in the Data Base area for the requested SSID and Serial Number. Only one path item is allowed per SSID abd serial number combination per DataBase area.

**System Action:** None.

**User Response:** Determine te correct path definition needs for the DataBase area. Provide the correct DataBase area TrueCopy path definitions.

**Example:** None.



### 352. FDRS0352E

---

FDRS0352E ONLY HUR SETS CAN BE MADE EXCTG

**Explanation:** A SETREC request to define a non-HUR set as an EXCTG set. Only HUR sets can be defined as an EXCTG set.

**System Action:** None.

**User Response:** Correct SETREC entry, or investigate the planned use for the set and use the correct SETREC entry options.

**Example:** None.

### 353. FDRS0353E

---

FDRS0353E DATABASE AREA NAME IS TOO LONG

**Explanation:** A DBNAME parameter was used with a Database name longer than 16 characters. The maximum DataBase area name is 16 characters.

**System Action:** None.

**User Response:** Correct DBNAME parameter and enter the request again, or shorten the DataBase area name to 16 characters or fewer.

**Example:** None.

### 354. FDRS0354E

---

FDRS0354E LAST DEV IS LOWER THAN DEV

**Explanation:** During a config add (cha or rem), dba config add (or cha or rem), the LASTDEV- sda is lower than the DEV- sda.

**System Action:** None.

**User Response:** Correct the one or both SDAs, and enter the request again.

**Example:** None.

### 355. FDRS0355E

---

FDRS0355E INVALID STATUS FILTER REQUESTED FOR SHADOWIMAGE

**Explanation:** An invalid status type for ShadowImage was entered as a status filter for a ShadowImage set.

**System Action:** None.

**User Response:** Correct the status filter or set type, and enter the request again.

**Example:**

```
zfdrs st set-r700_7000_sil splitps
FDRS0355E 09.05.37 INVALID STATUS FILTER REQUEST FOR A SHADOWIMAGE SET++
```

### 356. FDRS0356E

---

FDRS0356E     INVALID STATUS FILTER REQUESTED FOR TRUECOPY

**Explanation:** An invalid status type for TrueCopy was entered as a status filter for a TrueCopy set.

**System Action:** None.

**User Response:** Correct the status filter or set type, and enter the request again.

**Example:**

```
zfdrs st set-r700_tc splitxfor
FDRS0356E 09.16.21 INVALID STATUS FILTER REQUEST FOR A TRUECOPY SET+
```

### 357. FDRS0357E

---

FDRS0357E     INVALID STATUS FILTER REQUESTED FOR UNIVERSAL REPLICATOR (HUR)

**Explanation:** An invalid status type for Universal Replicator (HUR) was entered as a status filter for an HUR set.

**System Action:** None.

**User Response:** Correct the status filter or set type, and enter the request again.

**Example:**

```
zfdrs st set-r700_7000_hur1 revresync
FDRS0357E 09.18.25 INVALID STATUS FILTER REQUEST FOR AN HUR SET+
```

### 358. FDRS0358E

---

FDRS0358E     FDRSC ERROR: EHEAPC CREATE ERROR DURING FDRSC CALL

**Explanation:** During an FDRSC macro call, the EHEAPC CREATE heap tag failed. This error appears on the TPF console only if the FDRSC macro call uses the CONS parameter.

**System Action:** None.

**User Response:** Verify that the ECB heap tag name is not in use. Contact Hitachi Vantara TPF engineering for further assistance.

### 359. FDRS0359E

---

FDRS0359E FDRSC ERROR: FDRSC SETNAME MISMATCH

**Explanation:** Within a single ECB, FDRS allows only one setname to be used. During a sequence of multiple FDRSC macro calls, a setname was used in the second or later FDRSC call that is different than the setname used in the first FDRSC call. This error appears on the TPF console only if the FDRSC macro call uses the CONS parameter.

**System Action:** None.

**User Response:** Verify that all FDRSC calls use the same setname. Contact Hitachi Vantara TPF engineering for further assistance.

### 360. FDRS0360E

---

FDRS0360E FDRSC ERROR: FDRSC REQUESTED DATALEVEL IS IN USE

**Explanation:** The FDRSC macro call requested a data level that is already in use by the ECB. This error appears on the TPF console only if the FDRSC macro call uses the CONS parameter.

**System Action:** None.

**User Response:** Verify or correct the data level being used by the FDRSC macro. Contact Hitachi Vantara TPF engineering for further assistance

### 361. FDRS0361I

---

FDRS0361E SETREC RENAME REQUIRES THE SETNAME and NEWSETNAME PARAMETERS

**Explanation:** The message is issued in response to a SETREC RENAME entry without the SETNAME and NEWSETNAME parameters.

**System Action:** None.

**User Response:** Re-enter the SETREC RENAME command with both the SETNAME and NEWSETNAME parameters.

**Example:** None.

### 362. FDRS0362I

---

FDRS0362E DUPLICATE SETNAME, THE NEW SETNAME IS IN USE

**Explanation:** The message is issued in response to a SETREC RENAME entry. The new setname requested is already in use.

**System Action:** None.

**User Response:** Verify or correct the name of the new setname, and enter the request again.

**Example:** None.

### 363. FDRS0363I

---

FDRS0363E DBREC RENAME REQUIRES THE DBNAME and NEWDBNAME PARAMETERS

**Explanation:** The message is issued in response to a DBREC RENAME entry without the DBNAME and NEWDBNAME parameters.

**System Action:** None.

**User Response:** Re-enter the DBREC RENAME command with both the DBNAME and NEWDBNAME parameters.

**Example:** None.

### 364. FDRS0364I

---

FDRS0364E DUPLICATE DBNAME, THE NEW DBNAME IS IN USE

**Explanation:** The message is issued in response to a DBREC RENAME entry. The new dbname requested is already in use.

**System Action:** None.

**User Response:** Verify or correct the name of the new dbname, and enter the request again.

**Example:** None.

### 365. FDRS0365E

---

FDRS0365E VERIFY IS ONLY ALLOWED FOR SI, NOHOP SETS

**Explanation:** A VERIFYTVOFFLIN entry was made for a set that was not ShadowImage or a set defined as HOP.

**System Action:** None.

**User Response:** VERIFYTVOFFLIN is not supported for the requested set definition. If PGID information is required, consider using the VERIFYTVOFFLIN SINGLE entry. Contact Hitachi Vantara TPF engineering for assistance.

**Example:**

<pre>zfdrs ver set-r700_7000_hurl FDRS0365E 09.49.07 VERIFY IS ONLY ALLOWED FOR SI, NOHOP SETS+</pre>
---

### 366. FDRS0366E

FDRS0366E CLIP IS ONLY ALLOWED FOR SI, NOHOP SETS, OFFLINE SETS

**Explanation:** A CLIP entry was made for a set that was not ShadowImage or a set defined as HOP or the set defined as OFFLINE.

**System Action:** None.

**User Response:** CLIP is not supported for the requested set definition. Contact Hitachi Vantara TPF engineering for assistance.

**Example:**

```
zfdrs clip set-r700_7000_hurl_vsn-tx_oldvsn-pd
FDRS0366E 09.52.34 CLIP IS ONLY ALLOWED FOR SI, NOHOP SETS, NOOFF SETS++
```

### 367. FDRS0367I

FDRS0367I BEGINNING OF INFOPCU DISPLAY\_\_

**Explanation:** The message is issued in response to a satisfactory UTILITY INFOPCU entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs util infoPCU iosda-b101
YHG30001I 14.10.16 INFOPCU UTILITY STARTED+
FDRS0367I 14.10.16
PHYSICAL CONTROL UNIT INFORMATION FOR SDA - B101
CONTROL UNIT TOD          - 10.32.23  05/15/19
TPF STCK TOD              - 09.32.45  05/15/19  _
CONTROL UNIT 4 BYTE TOD   - 5CDBEAB7
SECONDS SINCE JAN 1 2001 - 228D73B7
TPF STCK 4 BYTE TOD      - D61FFFBC_
-----
PHYSICAL CONTROL UNIT INFORMATION (PART 1)
CONTROL UNIT TYPE - 07
MICROCODE LEVEL - 80066600
INTERFACE TYPE - 4949
PRODUCT BIT SETTING 1 - 501D4722
PRODUCT BIT SETTING 2 - A25B43F1_
-----
PHYSICAL CONTROL UNIT INFORMATION (PART 2)
HDW SERIAL NUM - 000000010081
SN MODE - 00
DKC NUM - 00
LOGICAL SERIAL NUM -
END OF PHYSICAL CONTROL UNIT INFORMATION
-----+
```

### 369. FDRS0369I

#### FDRS0369I CLIP REQUEST ISSUED

**Explanation:** The message is issued in response to a satisfactory CLIP entry. When using the DISPLAYVSN parameter, scrolling does not use ZPAGE.

**System Action:** None.

**User Response:** None.

#### Example:

```
zfdrs clip set-r800_b000_sil vsn-od oldvsn-hi
FDRS0369E 18.52.38 REQUEST FOR VSN CLIP ISSUED+
FDRS0171I 18.52.39 VSN CLIP IS COMPLETE
0 ERRORS ENCOUNTERED
100 VOLUMES WERE CLIPPED FROM HI TO OD +

zfdrs clip set-r800_b000_sil vsn-od oldvsn-hi displayvsn
FDRS0369E 18.53.35 REQUEST FOR VSN CLIP ISSUED+
FDRS0370E 18.53.35
START OF CLIP VSN DISPLAY
SOURCE 33 VSN DETAIL 33 TARGET VOL DETAILS 3
  SDA  OLDVSN  NEWVSN  VOL LCU SSID  SERIAL NUM
  B000  HI1000  OD1000   20  20 7980  000000010081
  B001  HI1052  OD1052   21  20 7980  000000010081
  B002  HI1004  OD1004   22  20 7980  000000010081
  B003  HI1056  OD1056   23  20 7980  000000010081
  B004  HI1008  OD1008   24  20 7980  000000010081
  B005  HI1060  OD1060   25  20 7980  000000010081
  B006  HI1012  OD1012   26  20 7980  000000010081
  B007  HI1064  OD1064   27  20 7980  000000010081
  B008  HI1016  OD1016   28  20 7980  000000010081
  B009  HI1068  OD1068   29  20 7980  000000010081
  B00A  HI1020  OD1020   2A  20 7980  000000010081
...
  B0D4  HI1043  OD1043   34  23 798C  000000010081
  B0D5  HI1091  OD1091   35  23 798C  000000010081
  B0D6  HI1047  OD1047   36  23 798C  000000010081
  B0D7  HI1095  OD1095   37  23 798C  000000010081
  B0D8  HI1099  OD1099   39  20 7980  000000010081
END OF CLIP VSN DISPLAY
VSN CLIP IS COMPLETE
0 ERRORS ENCOUNTERED
100 VOLUMES WERE CLIPPED FROM HI TO OD +
```

### 373. FDRS0373I

FDRS0373I UTILITY DISPLAYVSN REQUEST ISSUED

**Explanation:** The message is issued in response to a satisfactory UTILITY DISPLAYVSN entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs util displayvsn set-r800_b000_si1
FDRS0373E 18.54.48
START OF UTILITY READ VSN DISPLAY
SOURCE 33 33 TARGET VOL DETAILS 3
SDA VSN VOL LCU SSID SERIAL NUM
B000 OD1000 20 20 7980 000000010081
B001 OD1052 21 20 7980 000000010081
B002 OD1004 22 20 7980 000000010081
B003 OD1056 23 20 7980 000000010081
B004 OD1008 24 20 7980 000000010081
B005 OD1060 25 20 7980 000000010081
B006 OD1012 26 20 7980 000000010081
B007 OD1064 27 20 7980 000000010081
B008 OD1016 28 20 7980 000000010081
B009 OD1068 29 20 7980 000000010081
B00A OD1020 2A 20 7980 000000010081
B00B OD1072 2B 20 7980 000000010081
B00C OD1024 2C 20 7980 000000010081
B00D OD1076 2D 20 7980 000000010081
B00E OD1028 2E 20 7980 000000010081
B00F OD1080 2F 20 7980 000000010081
B010 OD1032 30 20 7980 000000010081
B011 OD1084 31 20 7980 000000010081
MORE DATA AVAILABLE, ENTER ZPAGE TO CONTINUE+
```

### 376. FDRS0376I

FDRS0376I UTILITY SYSTEM HEAP SUCCESSFULLY RELEASED

**Explanation:** The message is issued in response to a satisfactory UTILITY FREESYSTEMHEAP entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs util frees password-xxxxxxx
YHDK0001I 10.44.20 FREE SYSTEM HEAP UTILITY STARTED+
FDRS0376I 10.44.20
UTILITY SYSTEM HEAP SUCCESSFULLY RELEASED
SYSTEM HEAP TOKEN HDS_XHDR
SYSTEM HEAP OWNER hds_copymanager+
```

### 381. FDRS0381I

---

FDRS0381I      UTILITY SYSTEM HEAP RELEASED FAILED

**Explanation:** The message is issued in response to an unsatisfactory UTILITY FREESYSTEMHEAP entry.

**System Action:** No system heap was released.

**User Response:** The error code from the TPF ERRNOC macro is displayed. The first error code is the return code from the RSYSC request. The second error code is the hexadecimal error code returned from TPF's ERRNOC macro. The third error code is the Decimal value of the error code returned from TPF's ERRNOC macro. Look up the current meaning of the ERRNOC error code in TPF's ierrn.mac macro, or contact Hitachi Vantara TPF engineering for assistance.

**Example:**

```
zfdrs util frees password-mikemike
YHDK0001I 10.46.37 FREE SYSTEM HEAP UTILITY STARTED+
FDRS0381I 10.46.37
UTILITY SYSTEM HEAP RELEASED FAILED
SYSTEM HEAP TOKEN HDS_XHDR
SYSTEM HEAP OWNER hds_copymanager
ERROR CODE : 00000004 00001399 5017+
```

The error code 5017 shown in this example means the token was not found. The code in ierrn.mac is:

```
ETPFRSYS_TKNNFND EQU 5017 RSYSC - UNIQUE TOKEN NOT FOUND
ZTPF11
```

### 384. FDRS0384E

---

FDRS0384E      PATH ENTRIES ARE NOT ALLOWED FOR SHADOWIMAGE SETS

**Explanation:** A PATH entry was made for a ShadowImage set. PATH entries are only valid for HUR and TrueCopy sets.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs path st set-r800_a000_si1
FDRS0384E 19.06.45 PATH ENTRIES ARE NOT ALLOWED FOR SHADOWIMAGE SETS+
```



### 385. FDRS0385E

---

FDRS0385E LOCAL AND REMOTE PARMS ARE NO LONGER SUPPORTED

**Explanation:** The LOCAL and REMOTE parameters for the ZFDRS entry is no longer supported. The set copy type is now defined in the SETREC record.

**System Action:** None.

**User Response:** Remove the LOCAL or REMOTE parameter and enter the ZFDRS request again.

**Example:** None.

### 386. FDRS0386E

---

FDRS0386E ZFDRS SYNTAX ERROR

**Explanation:** A ZFDRS entry had a syntax error.

**System Action:** None.

**User Response:** Correct the ZFDRS syntax and enter the request again. If the syntax error is not clear, verify the ZFDRS syntax using the ZFDRS HELP screens or look up the ZFDRS syntax in the *Copy Manager for TPF Operations Guide*.

**Example:**

<pre>zfdrs setrec wrong_option FDRS0386E 19.06.45 ZFDRS SYNTAX ERROR, CORRECT THE ZFDRS ENTRY. FOR ADDITIONAL ASSISTANCE,USE ZFDRS HELP+</pre>
--

### 387. FDRS0387E

---

FDRS0387E INFOPCU UTILITY REQUIRES THE SDA OR THE RCUsErial  
PARAMETER

**Explanation:** The SDA or RCUSERIAL NUMBER IS required when using the INFOPCU utility. Only the SDA or the RCUSERIAL may be used, not both.

**System Action:** None.

**User Response:** Correct the INFOPCU parameters and enter the utility request again.

**Example:** None.

### 388. FDRS0388E

---

FDRS0388E     INFOSDA UTILITY REQUIRES THE SDA OR THE RCUserial  
PARAMETER

**Explanation:** The SDA or RCUSERIAL NUMBER IS required when using the  
INFOSDA utility. Only the SDA or the RCUSERIAL may be used, not both.

**System Action:** None.

**User Response:** Correct the INFOSDA parameters and enter the utility  
request again.

**Example:** None.

### 389. FDRS0389I

---

FDRS0389I     BEGINNING OF INFOSDA DISPLAY\_\_

**Explanation:** The message is issued in response to a satisfactory UTILITY  
INFOSDA entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs util infosda iosda-b101
YHG30001I 14.10.16 INFOSDA UTILITY STARTED+
-----
SDA INFORMATION (PART 2)
EQUIP INSTALLED - 01
SERIAL NUM - 000000010081
SSID - 79D0
LCU:VOL - 34:01
EMULATION - 0099
POOL VALIDITY - 00_
CYLINDER (HEX) -      000016A8
CYLINDER (DEC) -      5800
END OF SDA INFORMATION
-----+
FDRS0389I 14.10.16
-----
SDA INFORMATION (PART 1) FOR SDA - B101 LCU - 34 VOL - 01
VOLUME KIND - 8200
TC PAIR STATUS - 04
TC P-VOL - 34:01 SSID 79D0 SERIAL 0000F0F0F0F0
TC S-VOL - 42:81 SSID 7042 SERIAL 0000F0F0F0F0
WRITE PENDING PERCENT - 00_+
```

### 392. FDRS0392E

FDRS0392E NO MATCHING ITEMS FOUND IN THE REFREC

**Explanation:** The REFREC record is keyed by the item type and numeric code. The requested item type and numeric code was not found in the REFREC.

**System Action:** None.

**User Response:** Correct the REFREC or correct the entry's item type and numeric code and retry the entry.

**Example:** None.

### 393. FDRS0393I

FDRS0393I BEGINNING OF REFREC DISPLAY\_\_

**Explanation:** The message is issued in response to a satisfactory REFREC DISPLAY entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs refrec dis
FDRS0393E 19.06.45
BEGINNING OF THE REFERENCE MESSAGE DEFINITION RECORD
TYPE      CODE  REFERENCE MESSAGE
I      00002312  'SI TARGET VOL IS ONLINE'

I      00002314  'TC TARGET VOL IS ONLINE'
P      00667688  'TEST SYSTEM NUMBER 2'

P      00667788  'TEST SYSTEM NUMBER 1'
P      00062DE7  'HDS VM TEST SYSTEM'
5 ITEMS _
END OF REFERENCE MESSAGE DEFINITION RECORD DISPLAY+
```

### 395. FDRS0395I

FDRS0395I REFERENCE MESSAGE DEFINITION RECORD ITEM CHANGED

**Explanation:** The message is issued in response to a satisfactory REFREC CHANGE entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

### 396. FDRS0396E

---

FDRS0396E REFERENCE MESSAGE DEFINITION RECORD ITEM NOT FOUND

**Explanation:** The reference type and code not found in the reference control definition record (REFREC).

**System Action:** None.

**User Response:** Enter the functional message again with a correct message type and code or correct the reference control record definition.

**Example:**

```
zfdrs offrec cha ser-666777 set-badset
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
FDRS0132E 08.57.46 OFFLINE CONTROL DEVICE RECORD ITEM NOT FOUND+
```

### 397. FDRS0397I

---

FDRS0397I REFERENCE MESSAGE DEFINITION RECORD ITEM REMOVED

**Explanation:** The message is issued in response to a satisfactory REFREC REMOVE entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

### 398. FDRS0398I

---

FDRS0398I REFERENCE MESSAGE DEFINITION RECORD ITEM ADDED

**Explanation:** The message is issued in response to a satisfactory REFREC ADD entry.

**System Action:** None.

**User Response:** None.

**Example:** None.

### 399. FDRS0399E

---

FDRS0399E REFERENCE MESSAGE DEFINITION RECORD IS EMPTY

**Explanation:** The message when the REFREC is being displayed or accessed and the record is empty.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs refrec dis
FDRS0399E 19.06.45 REFERENCE MESSAGE DEFINITION RECORD IS EMPTY+
```

## Messages 400-499

### 401. FDRS0401E

---

FDRS0401E     INVALID MESSAGE TYPE. ONLY MESSAGE TYPES I AND P ARE SUPPORTED

**Explanation:** Ran invalid message type was used during a REFREC ADD entry. The valid message types are I (I/O error) and P (path group id).

**System Action:** None.

**User Response:** Correct the the TYPE parm in the REFREC ADD entry and retry the entry.

**Example:**

```
zfdrs refrec add type-x code-4356 m-'example example'
INVALID MESSAGE TYPE. ONLY MESSAGE TYPES I AND P ARE SUPPORTED+
```

### 402. FDRS0402E

---

FDRS0402E     COPYMGR CONTROL RECORD ERROR, REFREC NOT DEFINED

**Explanation:** The REFREC facetype,ordinal,record id is not defined in the COPYMGR CONTROL record. Entries requiring the use of the REFREC required the REFREC location to be defined in COPYMGR control record.

**System Action:** None.

**User Response:** Add the REFREC location to the COPYMGR control record. See the *Copy Manager for TPF Operations Guide* for assistance. Retry the entry after the REFREC location has been defined.

**Example:** None.

### 404. FDRS0404E

---

FDRS0404E     HIGH SPEED OPTION RESTRICTED

**Explanation:** The ShadowImage HIGH speed option has a microcode level requirement. The microcode loaded in the request control unit does not meet the minimum requirement.

**System Action:** None.

**User Response:** Contact Hitachi Vantara TPF Engineering for assistance.

**Example:** None.

#### 405. FDRS0405E

---

FDRS0405E HIGH SPEED OPTION IS ONLY ALLOW FOR SHADOWIMAGE SETS

**Explanation:** The HIGH speed option is only valid for ShadowImage sets.

**System Action:** None.

**User Response:** Retry the entry again without the HIGH option.

**Example:**

<pre>zfdrs res set-r800_a000_tc1 high FDRS0405I 19.06.45 HIGH SPEED OPTION IS ONLY ALLOW FOR SHADOWIMAGE SETS+</pre>
--

#### 406. FDRS0406E

---

FDRS0406E CLIP AND FDRSC FUNCTIONS NOT ALLOWED WITH ALLOFFLINE SETS

**Explanation:** The CLIP and FDRSC functions are not allowed when a set is defined to always use the OFFREC (ALLOFFLINE).

**System Action:** None.

**User Response:** Contact Hitachi Vantara TPF Engineering if the CLIP and FDRSC functions are needed for ALLOFFLINE sets.

**Example:** None.

#### 407. FDRS0407E

---

FDRS0407E REFREC CONTROL RECORD FIND OR FACE ERROR IN PROGRAM pppp

**Explanation:** During the processing of a Copy Manager entry, a find error occurred while trying to find the REFREC.

**System Action:** None.

**User Response:** Contact a systems programmer.

**Example:** None.

#### 408. FDRS0408E

---

FDRS0408E Stand Alone error : REFREC CONTROL RECORD FIND OR FACE ERROR IN PROGRAM pppp

**Explanation:** During the processing of a Copy Manager entry, a find error occurred while trying to find the REFREC.

**System Action:** None.

**User Response:** Contact a systems programmer.

**Example:** None.

#### 409. FDRS0409E

---

FDRS0409E BP OR NOBP REQUIRED FOR SETREC CHANGE OR INIT

**Explanation:** When changing the setrec record or initing the setrec record, the BP or NOBP option must be specified.

**System Action:** None.

**User Response:** Specify either BP or NOBP.

**Example:**

```
zfdrs setrec cha set-async1 ord-234
FDRS0409E 12.33.30 BP OR NOBP REQUIRED FOR SETREC CHANGE OR INIT+
```

#### 409. FDRS0410E

---

FDRS0410E INVALID SORT PARAMETER REQUESTED

**Explanation:** When using the SORT parameter, the field used to sort was not valid.

**System Action:** None.

**User Response:** Verify the allowable SORT fields in the ZFDRS HELP screen ord in the *Copy Manager for TPF Operations Guide*. Correct the SORT field and retry the display entry.

**Example:**

```
zfdrs setrec dis sort-age
FDRS0410E 19.06.45 INVALID SORT PARAMETER REQUESTED+
```

#### 411. FDRS0411E

---

FDRS0411E ERROR WHEN USING THE RCUSER PARAMETER

**Explanation:** When using the Utilities INFOPCU or INFOSDA, the use of the remote control unit serial, some required parameters were not entered.

**System Action:** None.

**User Response:** Correct the INFOPCU or INFOSDA parameters and enter the utility request again.

**Example:**

```
zfdrs util infosda rcuser-445566
YHG30001I 14.10.16 INFOSDA UTILITY STARTED+
FDRS0411E 14.10.16
PARM ERROR WHILE USING THE RCUSER PARAMETER.
SEE HELP UTIL INFOSDA or UTIL INFOPCU+
```

## 412. FDRS0412E

FDRS0412E COPYMGR CONTROL RECORD ERROR, HISREC NOT DEFINED

**Explanation:** The HISREC facetye,ordinal,record id is not defined in the COPYMGR CONTROL record. Entries requiring the use of the HISREC required the HISREC location to be defined in COPYMGR control record.

**System Action:** None.

**User Response:** Add the HISREC location to the COPYMGR control record. See the *Copy Manager for TPF Operations Guide* for assistance. Retry the entry after the HISREC location has been defined.

**Example:** None.

## 413. FDRS0413I

FDRS0413I BEGINNING OF HISREC DISPLAY\_\_

**Explanation:** The message is issued in response to a satisfactory HISREC DISPLAY entry.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs hisrec dis
FDRS0413I 14.10.16
BEGINNING OF THE HISTORY RECORD DEFINITION DISPLAY
  1 TIMESTAMP :   09.43.15  04/26/19      (D6081EA4 BA074341)
    CREATEPAIR:   SET- R800_B100_SI1
                  SOURCE- R800_B100      TARGET- R800_A340
                  ONLINE-
  2 TIMESTAMP :   10.32.34  04/25/19      (D606E7CD 21559441)
    CREATEPAIR:   SET- R800_B100_SI1
                  SOURCE- R800_B100      TARGET- R800_B120
                  ONLINE-
  3 TIMESTAMP :   10.30.38  04/25/19      (D606E75F 077AF042)
    CREATEPAIR:   SET- R800_B100_TC1
                  SOURCE- R800_B100      TARGET- R800_SIL4
                  ONLINE-
  4 TIMESTAMP :   10.27.55  04/25/19      (D606E6C3 6C4A3341)
    CREATEPAIR:   SET- R800_B100_TC1
                  SOURCE- R800_B100      TARGET- R800_SIL4
                  ONLINE- R800_SIL1
  5 TIMESTAMP :   10.30.35  04/24/19      (D605A57E 9AB68A41)
    CREATEPAIR:   SET- R800_B100_TC1
                  SOURCE- R800_B100      TARGET- R800_SIL4
                  ONLINE- R800_B100
END OF HISTORY RECORD DISPLAY+
```



#### 414. FDRS0414E

---

FDRS0414E HISTORY RECORD CORRUPT

**Explanation:** The history record shows indications of corruption.

**System Action:** None.

**User Response:** Contact the system programmer. Consider initializing the History Record.

**Example:** None.

#### 418. FDRS0418I

---

FDRS0418I DBACOPY COMPLETED

**Explanation:** The requested DBACOPY UTILITY utility completed the requested copy.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs util dbacopy fromd-r800_b120 tod-R700_1717
YHG50001I 14.10.16 DBACOPY COPY UTILITY STARTED+
FDRS0418I 14.10.16
COPY OF DB AREA ITEMS IN DBN: R800_B120
                        TO DBN: R700_1717          COMPLETED
UPDATE OF DBREC ITEM FOR DBN: R700_1717          COMPLETED
END OF UTILITY SET OR DBA COPY+
```

#### 420. FDRS0420I

---

FDRS0420I SETCOPY COMPLETED

**Explanation:** The requested SETCOPY UTILITY utility completed the requested copy.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs util setcopy froms-r800_b100_HUR1 tos-z_r800_b100_hur1
YHG50001I 14.10.16 SETCOPY COPY UTILITY STARTED+
FDRS0420I 14.10.16
COPY OF PAIR ITEMS IN SET: R800_B100_HUR1
                        TO SET: Z_R800_B100_HUR1    COMPLETED
UPDATE OF SETREC ITEM FOR SET: Z_R800_B100_HUR1    COMPLETED
END OF UTILITY SET OR DBA COPY+
```

#### 426. FDRS0426E

---

FDRS0426E UNKNOWN HISTORY RECORD TYPE

**Explanation:** The history record display request found a history item type that was not recognized.

**System Action:** None.

**User Response:** Display the history record with the dump option (dump format). Contact the system programmer.

**Example:** None.

#### 427. FDRS0427E

---

FDRS0427E NO MATCHING HISTORY ITEMS FOUND IN THE HISTORY RECORD

**Explanation:** The history record display found no displayable items. This message can occur if the history record is empty.

**System Action:** None.

**User Response:** If this error is not expected, display the history record with the dump option (dump format). Contact the system programmer.

**Example:** None.

#### 429. FDRS0429E

---

FDRS0429E UNSUPPORTED CCW REQUESTED

**Explanation:** When using the Utility CCWS, the requested ccw is not supported.

**System Action:** None.

**User Response:** Correct the CCW parameter and enter the utility request again.

**Example:**

```
zfdrs utility ccws iosda-b101 command-72 password-secret
FDRS0429I 14.10.16
UNSUPPORTED CCW REQUESTED++
```

### 430. FDRS0430E

-----  
FDRS0430E     SET DISABLED

**Explanation:** The set being used has been disabled. No replication requests are permitted.

**System Action:** None.

**User Response:** If the set should be enabled, request that TPF operations or the TPF systems programming group enable the set.

**Example:**

```
zfdrs est set-legacy
CSMP0097I 21.44.12 CPU-A SS-BSS   SSU-SSU0 IS-01
FDRS0430I 21.44.12
!! *****
!! *****                   THIS SET IS DISABLED                   ***** !!
!! ***** NO REPLICATION REQUEST ARE ALLOWED ***** !!
!! *****
```

### 431. FDRS0431E

-----  
FDRS0431E     FDRSC ONLYSYSH REJECTED BECAUSE SYSTEM HEAP  
ALREADY BUILT AND POPULATED

**Explanation:** A program using the FDRSC macro requested that only system heap be built by using the FDRSC macro parameter ONLYSYSH. This ONLYSYSH request was rejected because the system heap had already been built and populated.

**System Action:** None.

**User Response:** Work with the programmer responsible for the program using the FDRSC macro to decide the best action regarding the use of the system heap.

**Example:**

```
FDRS0431I 21.57.24
ONLYSYSH REQUESTED BUT SYSTEM HEAP IS BUILT AND POPULATED+
```

### 432. FDRS0432E

-----  
FDRS0432E     STATUS AND MONITOR OPTIONS DEVA,DEVB AND SHOWAB  
NOT SUPPORTED FOR OFFLINE SETS

**Explanation:** The DEVA or DEVB or SHOWAB option was used on a status or monitor request. The set being requested is defined as an OFFLINE set. DEVA, DEVB and SHOWAB options are not supported for OFFLINE sets.

**System Action:** None.

**User Response:** Consider using the FIRSTDEV and/or the LASTDEV parameters for the status or monitor request.

**Example:**

```
zfdrs st set-r800_b100_tcl deva
CSMP0097I 22.03.31 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0432I 22.03.31
DEVA, DEVB AND SHOWAB NOT SUPPORTED FOR OFFLINE SETS
RECOMMEND USING FIRSTDEV AND LASTDEV PARAMETERS+
```

### 433. FDRS0433E

-----

FDRS0433E RANGE ERROR. THE FIRSTDEV MUST BE LESS THAN THE LASTDEV

**Explanation:** The FIRSTDEV and/or the LASTDEV parameters were used for a status or monitor request. The FIRSTDEV was not less than the LASTDEV address.

**System Action:** None.

**User Response:** Correct the FIRSTDEV or the LASTDEV value and reenter the ZFDRS command.

**Example:**

```
zfdrs st set-r800_b100_sil firstdev-8800 lastdev-8700
CSMP0097I 22.09.31 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0433I 22.09.31
PAIR STATUS RANGE ERROR, FIRSTDEV MUST BE LT LASTDEV+
```

### 434. FDRS0434E

-----

FDRS0434E KEYPOINT V RETRIEVAL ERROR

**Explanation:** A status or monitor request was made using the DEVA or DEVB or SHOWAB parameters. Copymnager encountered an error retrieving TPF's keypoint V.

**System Action:** None.

**User Response:** Contact Hitachi Vantara TPF engineering. Consider using the FIRSTDEV and/or LASTDEV parameters until the problem is resolved by Hitachi Vantara TPF engineering.

**Example:** none

## 435. FDRS0435I

FDRS0435I NO ACTIVE EXCTG DEFINED

**Explanation:** An EXCTG status request was made and no active exctg was found.

**System Action:** None.

**User Response:** No immediate action is needed. There may be a need to contact a TPF systems programmer. This is an informative message that is part of the EXCTG status display.

### Example:

```
zfdrs exctg st set-r800_b100_hurl
CSMP0097I 22.18.09 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0220I 22.18.09
BEGIN EXCTG STATUS DISPLAY FOR SET R800_B100_HUR1
EXCT  CONSISTENCY  JNL SCU  JNL  JNL SERIAL ARBITRATION  ERROR
GRP    TOD          GRP ID   LOC    STATUS NUMBER    CMD DEV  CODE
NO EXCTG DEFINED

END OF EXCTG STATUS DISPLAY+
```

## 436. FDRS0436I

FDRS0436I START OF A STAUS DISPLAY WITH SHOWAB PARAMETER

**Explanation:** An status was request with the SHOWAB parameter.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs st set-r800_b100_tc1 showab
CSMP0097I 20.16.38 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0436I 20.16.38 START OF TRUECOPY STATUS - SET-R800_B100_TC1
AN ESTABLISH WAS ISSUED ON 04/05/21 AT 20:11:27
DEVICE A PERCENT LEFT TO COPY IS 93
DEVICE B PERCENT LEFT TO COPY IS 92
      3 PAIR COUNTS 3
      DEVA  DEVB  -
SIMPLEX  -    0    0 -
DUPLEX   -    0    0
PENDING DUPLEX - 75  25
SPLIT SVOL  -    0    0
SPLIT BY OPER -    0    0
SPLIT BY TV PCU-    0    0
SPLIT BY CU  -    0    0
SPLIT TVOL SMPX-    0    0
SPLIT BY TVOL -    0    0
SPLIT BY CU IML-    0    0 -
SPLIT INIT CPY -    0    0
PENDING SPLIT -    0    0
PENDING SIMPLEX-    0    0
SPLIT BY PS OFF-    0    0
INVALID   -    0    0
END OF TRUECOPY STATUS+
```

#### 438. FDRS0438E

---

FDRS0438E STATUS AND MONITOR OPTIONS SHOWAB NOT SUPPORTED  
FOR HUR SETS

**Explanation:** The SHOWAB option was used on a status or monitor request. The set being requested is defined as an HUR set. SHOWAB option is not supported for HUR sets.

**System Action:** None.

**User Response:** Consider using the FIRSTDEV and/or the LASTDEV parameters for the status or monitor request.

**Example:**

```
zfdrs st set-r800_b100_hur1 showab
CSMP0097I 22.25.09 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0438I 22.25.09
STATUS SHOWAB ONLY ALLOWED FOR SI AND TC SETS
STATUS SHOWAB IS NOT ALLOWED FOR HUR SETS+
```

## Messages 500-599

### 500. FDRS0500I

---

FDRS0500I      HIGHEST LEVEL HELP FOR ZFDRS

**Explanation:** The message is issued in response to a ZFDRS+ or a ZFDRS HELP request.

**System Action:** None.

**User Response:** Enter a HELP request with the lower level options for more detail.

**Example:**

```
zfdrs help
FDRS0500I 14.10.16 HELP FOR PRIMARY ZFDRS COPY OPTIONS/ACTIONS ARE :
ZFDRS HELP ESTablish
          RESume (OR RESYNC)
          SPLit
          DElete
          PREset
          REVerse
          MONitor
          CLIP
          VERifytvoff
          JNLgroup
          EXCTGroup
          PATHs

HELP FOR PRIMARY ZFDRS MAINTENANCE OPTIONS ARE :
ZFDRS HELP COPYMGR
          SETREc
          OFFREc
          RCUREc
          EXCREc
          DBREc
          REFREc
          HISREc
          CONfig
          DBArea
          CREATEPAIR
          UTILity

HELP FOR OTHER ZFDRS PRODUCTS
ZFDRS HELP MAR
END OF DISPLAY+
```

## 501. FDRS00501I

---

FDRS0501I      ZFDRS HELP ESTABLISH

**Explanation:** The message is issued in response to a ZFDRS HELP ESTABLISH request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help est
CSMP0097I 14.04.46 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0501I 14.04.46
ZFDRS ESTablish TARGET SPEED NUMBER STOPONerr  VERifytvoff  BP
                                         NOSTOPONerr NOVERifytvoff

WHERE :
    TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME)
    SPEED  - SLOW OR FAST OR HIGH _
    NUMBER - ALL, Dev-XXXX, OR SSSId-XXXX
    BP     - PROCESS EVEN IF ALL PAIRS NOT SIMPLEX

RESTRICTIONS :
    (A) TARGET PARAMETER IS REQUIRED
    (B) SPEED AND NUMBER PARAMETERS ARE OPTIONAL WITH
        THE FIRST PARAMETER LISTED ABOVE AS DEFAULT
    (C) PASSWORD IS REQUIRED FOR HIGH AND TVONLINE PARAMETERS
        PASSWORD-pppppppp _
END OF DISPLAY+
```

## 502. FDRS00502I

---

FDRS0502I      ZFDRS HELP SPLIT

**Explanation:** The message is issued in response to a ZFDRS HELP SPLIT request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help spl
CSMP0097I 14.05.55 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0502I 14.05.55
ZFDRS SPLit TARGET SPLITRW  HURREV BP
                        NOSPLITRW

WHERE :
    TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME)
    HURREV - HUR SETS ONLY
    BP     - PROCESS EVEN IF ALL PAIRS NOT DUPLEX

RESTRICTIONS : _
    (A) TARGET PARAMETER IS REQUIRED
END OF DISPLAY+
```



### 503. FDRS00503I

FDRS0503I      ZFDRS HELP DELETE

**Explanation:** The message is issued in response to a ZFDRS HELP DELETE request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help del
CSMP0097I 14.07.33 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0503I 14.07.33
ZFDRS DELeTe TARGET HOPTAR BP
WHERE :
    TARGET - SETName-nnnnnnnnnnnnnnnnn (THE SETNAME)
    HOPTAR - HUR SETS ONLY
    BP      - PROCESS EVEN IF ALL PAIRS NOT SPLIT
RESTRICTIONS :
    (A) TARGET PARAMETER IS REQUIRED
END OF DISPLAY++
```

### 504. FDRS00504I

FDRS0504I      ZFDRS HELP STATUS

**Explanation:** The message is issued in response to a ZFDRS HELP STATUS request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help status
CSMP0097I 22.36.53 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0504I 22.36.53
ZFDRS STatus TARGET OPTION
ZFDRS STatus SYSTEM
WHERE :
    TARGET - SETName-nnnnnnnnnnnnnnnnn (THE SETNAME)
    SHADOW IMAGE OPTION - ALL, Dev-xxxx, SSID-ssss _
                        DEVA, DEVB, FIRStdev-dddd LAsTdev-dddd, BP, SHOWAB
                        SIMPLEX, DUPLEX, PENDDUPLEX, SPLITOPR,
                        SPLITEXC,PENDSPLIT, VIRTUALSPL, RESYNC,
                        REVRESYNC, INVALID
    HUR OPTION - ALL, DEV-xxxx, SSID-ssss, DEVA DEVB _
                FIRStdev-dddd LAsTdev-dddd, HOPTAR, BP
                COMBINE, SIMPLEX, DUPLEX, PENDDUPLEX, ,SPLITSV, SPLITOPR,
                SPLITTVDKC, SPLITDKC, SPLITTVSX, SPLITTVINT, SPLITIML,
                SPLITINIT, PENDSPLIT, PENDSIMPL, SPLITPS, SPLITDIFJ, _
                SPLITDIFX, SPLITDIFM, SPLITJFOR, SPLITXFOR, INVALID
    TRUE COPY OPTION - ALL, DEV-xxxx, SSID-ssss
                    DEVA, DEVB, FIRStdev-dddd LAsTdev-dddd, BP, SHOWAB
                    SIMPLEX, DUPLEX, PENDDUPLEX, SPLITSV, SPLITOPR _
                    SPLITTVPCU, SPLITCU, SPLITTVSX, SPLITTVOL,
                    SPLITIML, SPLITINIT, PENDSPLIT, PENDSIMPL,
                    SPLITPS, INVALID
RESTRICTIONS :
    (A) TARGET PARAMETER IS REQUIRED
    (B) OPTION PARAMETERS ARE OPTIONAL WITH FIRST VALUE
        LISTED ABOVE AS DEFAULT _
```

```
(C) HOPTAR or COMBINE - HUR SETS ONLY
(D) SHOWAB - SI AND TC SETS ONLY
END OF DISPLAY+
```

## 505. FDRS00505I

FDRS0505I      ZFDRS HELP CONFIG or ZFDRS HELP DBAREA

**Explanation:** The message is issued in response to a ZFDRS HELP CONFIG request.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs help config
CSMP0097I 14.20.19 CPU-A SS-BSS  SSU-BSS  IS-01
FDRS0505I 14.20.19
VALID CONFIG OPTIONS ARE - DISPLAY, ADD, CHANGE,
                           REMOVE, INIT.
      FOR DETAILS ENTER ZFDRS HELP CONFIG OPTION. +

zfdrs help dbarea
CSMP0097I 10.28.07 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0505I 10.28.07

VALID DBAREA OPTIONS ARE - DISPLAY, ADD, CHANGE, REMOVE, INIT.

FOR DETAILS ENTER ZFDRS HELP DBAREA OPTION. +
```

## 506. FDRS00506I

FDRS0506I      ZFDRS HELP RESUME

**Explanation:** The message is issued in response to a ZFDRS HELP RESUME request.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs help resume
CSMP0097I 14.30.04 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0506I 14.30.04
ZFDRS RESume TARGET SPEED NUMBER STOPONerr  VERifytvoff  HURREV BP
      RESync                NOSTOPONerr NOVERifytvoff
      REVerse
WHERE :
      TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME) _
      SPEED  - SLOW OR FAST OR HIGH
      NUMBER - ALL, Dev-XXXX, OR SSSid-XXXX
      HURREV - HUR SETS ONLY
      BP     - PROCESS EVEN IF THE PAIRS ARE NOT SPLIT
RESTRICTIONS :
(A) TARGET PARAMETER IS REQUIRED
(B) SPEED AND NUMBER PARAMETERS ARE OPTIONAL WITH
    THE FIRST PARAMETER LISTED ABOVE AS DEFAULT _
(C) PASSWORD IS REQUIRED FOR HIGH AND TVONLINE PARAMETERS
    PASSWORD-pppppppp
```

**507. FDRS00507I****FDRS0507I      ZFDRS HELP SETREC**

**Explanation:** The message is issued in response to a ZFDRS HELP SETREC request.

**System Action:** None.

**User Response:** None.

**Example:**

```

zfdrs help setrec
CSMP0097I 22.38.03 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0507I 22.38.03
ZFDRS SETREc ADD TARGET TYPE LOCATION OPTIONS
          CHAnge TARGET TYPE LOCATION OPTIONS
          REMove TARGET
          DIsplay TYPE VIEWS SORTOPT
          INIT PASSWORD-PPPPPPPP _
          RENAmE TARGET NEWSEtName-nn...nn PASSWORD-PPPPPPPP BP
WHERE :
    TYPE      - SI or TC or HUR
    TARGET    - SEtName-nnnnnnnnnnnnnnnnn (THE SETNAME)
    VIEWS     - OPERAtions(default), CONFIGurAtion, DEFAlTSlS
    SORTOPT   - SORT-ssss
                ssss (TYPE,ORD,FACE) _
    LOCATION  - FACetype-YYYYYY
                ORDiNAL-DDDDDDDDDD
                MAXordinal-DDDDDDDDDD
                RECID-XXXX
    OPTIONS   - ASYNc (NOASYNc), EXCTG (NOEXCTG)
                OFFline (NOOFFline),
                ALLOFFline (NOALLOFFline),
                HOPcontrolunit (NOHOPcontrolunit) _
                SOURce (NOSOURce)
                DISABlE, ENABlE
                TJnl-tt  SJnl-ss  CGid-cc  MIRror-mm  HURPathid-pp
RESTRICTIONS :
  (A) FACETYPE AND ORD ARE REQUIRED PARAMETERS
      FOR SETREC ADD, OPTIONAL FOR SETREC CHANGE.
  (B) RECID IS OPTIONAL, RECID OVERRIDES THE DEFAULT _
      RECORd ID THAT WAS DEFINED BY ZFDRS COPYMGR COMMAND
  (C) MAXORDINAL IS OPTIONAL. WHEN THE VALUE IS ZERO, MAXORDINAL IS NOT ENFORCED
  (D) SORTOPT DEFAULT IS SORT BY SETNAME
END OF DISPLAY+

```

## 508. FDRS00508I

FDRS0508I      ZFDRS HELP COPYMGR

**Explanation:** The message is issued in response to a ZFDRS HELP COPYMGR request.

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs help copymgr
CSMP0097I 22.38.54 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0508I 22.38.54
ZFDRS COPYMGR Display
                INIT PASSWORD-PPPPPPPP
                DEFAULTRecid RECID-XXXX
                SITEoptions OPTIONS
                CONTROLREC ADD LOCATION
                        CHange LOCATION
WHERE :
    OPTIONS      - SPLITRW,      NOSPLITRW
                  STOPONerr,     NOSTOPONerr
                  VERifytvoff,   NOVERifytvoff
                  SERRC,         NOSERRC
                  ECHOchange,    NOECHOchange
                  USEREXITON,   NOUSEREXITON
                  COMbine,       NOCOMbine
                  REFMESsage,    NOREFMESsage
                  HISTORY        NOHISTORY
                  FDRSCCElFA     NOFDRSCCElFA
                  DIAGNOSTICS    NODIAGNOSTICS
                  MONITOR,       NOMONITOR
                  MONTIME-tttt   (decimal seconds)
                  MAXCOUNt-xx    (hexadecimal)
                  DATEformat-fffff (MMDDYY or DDMMYY or YYMMDD)
    (SET DEFINITION OPTIONS) -
                  SETS_EXCtg,    NOSETS_EXCtg
                  SETS_OFFline, NOSETS_OFFline
                  SETS_ALLOfflin, NOSETS_ALLOfflin
                  SETS_SOURce,   NOSETS_SOURce
    CONTROLREC - SETrec, RCUrec, OFFrec, DBRec , EXCrec or REFreq
    LOCATION   - FACetype-YYYYY
                  ORDinal-DDDDDDDD
                  RECID-XXXX
RESTRICTIONS :
    (A) FACETYPE AND ORD ARE REQUIRED PARAMETERS
        FOR A (CONTROLREC) ADD, OPTIONAL FOR (CONTROLREC) CHANGE
    (B) RECID IS OPTIONAL, RECID OVERRIDES THE DEFAULT
        RECORD ID THAT WAS DEFINED BY DEFAULTRECID
END OF DISPLAY+
```

## 509. FDRS00509I

### FDRS0509I ZFDRS HELP CONFIG DISPLAY

**Explanation:** The message is issued in response to a ZFDRS HELP CONFIG DISPLAY or the HELP DBAREA DISPLAY request.

**System Action:** None.

**User Response:** None.

#### Example:

```
zfdrs help con dis
CSMP0097I 14.27.03 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0509I 14.27.03
ZFDRS Config Display TARGET OPTIONS1 OPTIONS2 OPTIONS3 SORTOPT
WHERE :
    TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME)
    OPTIONS1 - ALL or Dev-XXXX or PATHS
    OPTIONS2 - FORMAT _
    OPTIONS3 - SSSid-XX, SSer-YYYYYYYYYYYY, SLcu-XX, SVol-XX,
              TSSid-XX, TSEr-YYYYYYYYYYYY, TLCu-XX, TVol-XX,
              COMMENT-CCCCC, MIRror-XX, TJnlg-XX, SJnlg-XX, CGid-XX,
              SOURce, NOSOURce,
              HURPathid-XX, Slportid-XX(S2portid to S8portid), _
              Tlportid-XX(T2portid to T8portid)
    SORTOPT - SORT-ssss (DEV(4 DIGIT),SSE,TSE,SL,TL,SJ,TJ)
RESTRICTIONS :
    (A) TARGET PARAMETER IS REQUIRED
    (B) OPTIONS1 PARAMETER IS OPTIONAL WITH THE 'ALL'
        PARAMETER BEING THE DEFAULT
    (C) SORTOPT DEFAULTS TO SORT BY LAST TWO DIGITS OF THE DEVICE NUMBER _
END OF DISPLAY+

zfdrs help dba dis
CSMP0097I 14.27.50 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0509I 14.27.50
ZFDRS DBArea Config Display TARGET OPTIONS1 OPTIONS2 OPTIONS3 SORTOPT
WHERE :
    TARGET - DBName-nnnnnnnnnnnnnnnnn
    OPTIONS1 - ALL or Dev-XXXX or PATHS
    OPTIONS2 - FORMAT _
    OPTIONS3 - SSid-XX, SERIAL-YYYYYYYYYYYY, LCU-XX, VOL-XX,
              HURPathid-XX, Slportid-XX(S2portid to S8portid),
              Tlportid-XX(T2portid to T8portid)
    SORTOPT - SORT-ssss (DEV(4 DIGIT),SER,SSID,LCU,VOL,SJ,TJ)
RESTRICTIONS :
    (A) TARGET PARAMETER IS REQUIRED _
    (B) OPTIONS1 PARAMETER IS OPTIONAL WITH THE 'ALL'
        PARAMETER BEING THE DEFAULT
    (C) OPTIONS2 PARAMETER IS OPTIONAL. THE DEFAULT
        IS 'ONLY SELECT ON PARAMETERS ENTERED'
    (D) PATHs PARAMETER REQUIRED WHEN USING HURPATHID, TlPORTID-T8PORTID,
        SlPORTID-S8PORTID
    (E) VOL, LCU, NOT ALLOWED WITH THE PATHS PARAMETER _
    (F) SORTOPT DEFAULTS TO SORT BY LAST TWO DIGITS OF THE DEVICE NUMBER
END OF DISPLAY+
```

## 510. FDRS00510I

### FDRS0510I ZFDRS HELP CONFIG ADD

**Explanation:** The message is issued in response to a ZFDRS HELP CONFIG ADD, REMOVE, or CHANGE or the HELP DBAREA ADD, CHANGE or REMOVE request.

**System Action:** None.

**User Response:** None.

#### Example:

```
zfdrs help con add
CSMP0097I 14.25.54 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0510I 14.25.54
ZFDRS Config ACTION TARGET DEV-XXXX OPTIONS BP
WHERE :
    ACTION - ADD, CHAnge, REMove
    TARGET - SETName-nnnnnnnnnnnnnnnnn (THE SETNAME)
    Dev     - MODULE HARDWARE ADDR _
    OPTIONS - SSSid-XX, SSer-YYYYYYYYYYYY, SLcu-XX, SVol-XX,
              TSSid-XX, TSer-YYYYYYYYYYYY, TLCu-XX, TVol-XX,
              COMment-CCCCC,SOURce/NOSOURce, MIRror-XX,
              LASTdev-NNNN,COUnt-XX, CGid-XX, SJnlg-XX, TJnlg-XX, BP,
              HURPathid-XX, Slportid-XX(S2portid to S8portid), _
              Tlportid-XX(T2portid to T8portid)
    BP      - BP CHECK TO VALIDATE SIMPLEX OR INVALID
RESTRICTIONS :
    (A) ACTION, TARGET, AND DEV- PARAMETERS ARE REQUIRED
    (B) OPTIONS ARE OPTIONAL WITH ONE OPTION REQUIRED FOR CHANGE
        AND ADD
    (C) BP IS VALID FOR CHANGE AND REMOVE ONLY _
    (D) COUNT AND LASTDEV MUST BE 32 PAIRS OR LESS
END OF DISPLAY+

zfdrs help dba add
CSMP0097I 14.26.30 CPU-A SS-BSS SSU-SSU0 IS-01 _
FDRS0510I 14.26.30
ZFDRS DBArea Config ACTION TARGET Dev-XXXX OPTIONS
WHERE :
    ACTION - ADD, CHAnge, REMove
    TARGET - DBName-nnnnnnnnnnnnnnnnn
    Dev     - MODULE HARDWARE ADDR (DEVICE ITEM)
    PATHS   - PATH ITEM UPDATE REQUESTED _
    OPTIONS - SSId-XX, SERial-YYYYYYYYYYYY, LCu-XX, Vol-XX,
              COUnt-XX, LASTdev-XX, BP,
              SJ-ss, TJ-tt
              HURPathid-XX, Slportid-XX(S2portid to S8portid),
              Tlportid-XX(T2portid to T8portid)
RESTRICTIONS :
    (A) ACTION, TARGET, AND DEV- PARAMETERS ARE REQUIRED _
    (B) OPTIONS ARE OPTIONAL WITH ONE OPTION REQUIRED FOR _CHANGE AND ADD
    (C) COUNT AND LASTDEV MUST BE 32 PAIRS OR LESS
    (D) THE PATHs PARAMETER REQUIRES EITHER THE SSID AND SERIAL
        OR HURPATHID AND SERIAL PARAMETERS
    (E) HURPATHID, TlPORTID-T8PORTID, SlPORTID-S8PORTID ARE RESTRICTED TO
        PATHS PARAMETER _
    (F) VOL, LCU, COUNT, LASTDEV NOT ALLOWED WITH THE PATHS PARAMETER
END OF DISPLAY+
```

## 511. FDRS00511I

---

### FDRS0511I      ZFDRS HELP CONFIG INIT

**Explanation:** The message is issued in response to a ZFDRS HELP CONFIG INIT or the ZFDRS HELP DBAREA INIT request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help con init
CSMP0097I 14.24.55 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0511I 14.24.55
ZFDRS Config INIT TARGET PASSWORD-PPPPPPPP
WHERE :
      TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME)
RESTRICTIONS :
  (A) TARGET PARAMETER IS REQUIRED
  (B) PASSWORD IS REQUIRED
END OF DISPLAY+

zfdrs help dba init
CSMP0097I 10.10.25 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0511I 10.10.25
ZFDRS DBArea Config INIT TARGET PASSWORD-PPPPPPPP
WHERE :
      TARGET - DBName-nnnnnnnnnnnnnnnnn
RESTRICTIONS :
  (A) TARGET IS REQUIRED
  (B) PASSWORD IS REQUIRED
END OF DISPLAY+
```

## 512. FDRS00512I

---

### FDRS0512I      ZFDRS HELP PRESET

**Explanation:** The message is issued in response to a ZFDRS HELP PRESET request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help preset
CSMP0097I 14.24.21 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0512I 14.24.21
ZFDRS PREset DEFine TARGET TIME DATE TOV ADDTOV BP
      CAnCel TARGET
      SStatus TARGET
WHERE :
      TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME)
      TIME   - Time-hhmmss
      DATE   - DAt-e-mmddyy _
      TOV    - TOV-mmmmm
      ADDTOV - ADDTOV-mmmmm
END OF DISPLAY+
```

## 513. FDRS00513I

---

FDRS0513I      ZFDRS HELP RCUREC

**Explanation:** The message is issued in response to a ZFDRS HELP RCUREC request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help rcurec
CSMP0097I 10.10.25 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0513I 10.10.25
ZFDRS RCUREC  ADD TARSerial-SSSSSSSSSSSS HOPLIST IOSDA-NNNN APLid-NNNN OPTION
                CHAnge TARSerial-SSSSSSSSSSSS HOPLIST IOSDA-NNNN APLid-NNNN OPTION
                CHAnge REVerseallow or NOREVerseallow _
                REMove TARSerial-SSSSSSSSSSSS
                Display
                INIT PASSWORD-PPPPPPPP

_
WHERE :
    OPTION      - HURTAR (NOHURTAR)
    HOPLIST     - TARSerial-SSSSSSSSSSSS
                  TARSSid-SSSS
                  TARLcu-LL
                  TARVol-DD

_
                  ROSErial-SSSSSSSSSSSS
                  ROSSid-SSSS
                  ROLcu-LL
                  ROVol-DD

_
AS NEEDED,CONTINUE HOPLIST FOR R1,R2,R3,R4 AND R5
RESTRICTIONS :
(A) THE TARGET CONTROL UNIT AND THE R0 CONTROL
    UNIT ARE REQUIRED FOR EACH REMOTE CONFIGURATION _
(B) SERIAL NUMBER, SSID, LCU AND VOL ARE REQUIRED
    FOR EACH REMOTE CONTROL UNIT
(C) IOSDA IS REQUIRED FOR RCUREC ADD
END OF DISPLAY+
```



## 514. FDRS00514I

---

FDRS0514I      ZFDRS HELP OFFREC

**Explanation:** The message is issued in response to a ZFDRS HELP OFFREC request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help offrec
CSMP0097I 10.10.25 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0514I 10.10.25
ZFDRS OFFREC ADD  OFFPARMS
                CHAnge  OFFPARMS
                REMove  OFFPARMS
                Display
                INIT  PASSWORD-PPPPPPPP _
WHERE :
        OFFPARMS - SERIAL-SSSSSSSSSSSS
                  SETname-NNNNNNNNNNNNNNNN
                  CONDev-DDDD
RESTRICTIONS :
(A) FOR ADD, CHANGE AND REMOVE
    - SERIAL AND SETNAME ARE REQUIRED PARAMETERS
(B) FOR ADD, CHANGE AND REMOVE _
    - CONDEV IS REQUIRED FOR ADD, OPTIONAL FOR CHANGE
    - CONDEV IS NOT USED FOR REMOVE OR DISPLAY
END OF DISPLAY+
```

## 515. FDRS00515I

---

FDRS0515I      ZFDRS HELP MONITOR

**Explanation:** The message is issued in response to a ZFDRS HELP MONITOR request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help monitor
CSMP0097I 22.39.46 CPU-A SS-BSS  SSU-SSU0 IS-01 _
FDRS0515I 22.39.46
ZFDRS MONitor STArT TARGET TIME-tttt OPTIONS
                STOp
WHERE :
        TARGET - SETname-nnnnnnnnnnnnnnnn (THE SETNAME)
        TIME   - xxxx (decimal seconds)
        OPTIONS - DEVA, DEVB, FIRStdev-ddddd, LAsTdev-ddddd SHOWAB _
RESTRICTIONS :
(A) SHOWAB - SI AND TC SETS ONLY
END OF DISPLAY+
```

## 516. FDRS00516I

---

FDRS0516I      ZFDRS HELP CLIP

**Explanation:** The message is issued in response to a ZFDRS HELP CLIP request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help clip
CSMP0097I 14.21.40 CPU-A SS-BSS  SSU-SSU0 IS-01 _
FDRS0516I 14.21.40
ZFDRS CLIP TARGET NUMBER VSN-vv OLDvsn-oo VERifytvoff DISPLAYVSn BP
                                         NOVERifytvoff

WHERE :
      TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME)
      NUMBER - ALL, Dev-XXXX, OR SSSid-XXXX _
END OF DISPLAY+
```

## 517. FDRS00517I

---

FDRS0517I      ZFDRS HELP VERIFYTVOFF

**Explanation:** The message is issued in response to a ZFDRS HELP VERIFYTVOFF request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help ver
CSMP0097I 14.20.59 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0517I 14.20.59
ZFDRS VERIFYtvofflin TARGET NUMBER
                                         ONLine  TARget
                                         OFFline SOUrcE
                                         IOERR
                                         MOUNTErr

WHERE :
      _
      TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME)
      NUMBER - ALL, Dev-XXXX, OR SSSid-XXXX
ZFDRS VERIFYtvofflin SINGLE PARAMETERS
WHERE :
      IOSDA-xxxx (required)
      SERIalxxxxxxxxxxxxx (required)
      SSIId-xxxx (required)
      LCu-xx (required)
      VOl-xx (required)
RESTRICTIONS :
      _
      (A) SETNAME(TARGET) OR SINGLE IS REQUIRED
      (B) WHEN SITEOPTION REFMESSAGE IS ON, SINGLE DEVICE VERIFY ENTRIES WILL
          DISPLAY THE PGID REFERENCE
END OF DISPLAY+
```

## 518. FDRS00518I

---

FDRS0518I      ZFDRS HELP EXCREC

**Explanation:** The message is issued in response to a ZFDRS HELP EXCREC request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help excrec
CSMP0097I 14.19.09 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0518I 14.19.09
ZFDRS EXCREC  ADD SETname-NNNNNNNNNNNNNNNN  DIRECTION OPTIONS
                CHAnge SETname-NNNNNNNNNNNNNNNN  DIRECTION OPTIONS
                REMove SETname-NNNNNNNNNNNNNNNN  DIRECTION
                Display _
                INIT PASSWORD-PPPPPPPP
WHERE :
    DIRECTION - FORward
               REVerse
    OPTIONS   - EXCTG-N
               MIRror-N
               SUPervisorser-SSSSSSSSSSSS
               JNLGID-NN
               SUBordinateser-SSSSSSSSSSSS
               SCUId-N _
               ARBITcd-NNNN
               JNLCOUNT-NNNN
RESTRICTIONS :
    (A) SETNAME AND DIRECTION ARE REQUIRED FOR ADD, CHA AND REMOVE
END OF DISPLAY+
```

## 519. FDRS00519I

---

FDRS0519I      ZFDRS HELP EXCTG

**Explanation:** The message is issued in response to a ZFDRS HELP EXCTG request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help exctg
CSMP0097I 10.10.25 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0519I 10.10.25
ZFDRS (TYPE) EXCTGroup TARGET OPTION
WHERE :
    TYPE      - (OPTIONAL) LOCAL OR REMOTE
    TARGET    - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME) _
    OPTION    - Status, DEfine OR REMove
RESTRICTIONS :
    (A) TARGET PARAMETER IS REQUIRED
    (B) ONLY HUR EXCTG IS SUPPORTED
END OF DISPLAY+
```

## 520. FDRS00520I

---

FDRS0520I      ZFDRS HELP DBREC

**Explanation:** The message is issued in response to a ZFDRS HELP DBREC request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help dbrec
CSMP0097I 15.39.30 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0520I 15.39.30
ZFDRS DBREC ADD TARGET LOCATION
          CHAnge TARGET LOCATION
          REMove TARGET
          DIsplay SORTOPT
          INIT PASSWORD-PPPPPPPP
          REName TARGET  NEWDBName-nn...nn
WHERE :
  _
  TARGET - DBName-nnnnnnnnnnnnnnnnn (THE DATABASE AREA NAME)
  LOCATION - FACeType-YYYYYY
             ORD-DDDDDDDDDD
             MAXord-DDDDDDDDDD
             RECID-XXXX
  SORTOPT - SORT-sssss
             sssss (ORD,FACE)
RESTRICTIONS :
  (A) FACETYPE AND ORD ARE REQUIRED PARAMETERS _
      FOR DBREC ADD, OPTIONAL FOR DBREC CHANGE. _
  (B) RECID IS OPTIONAL, RECID OVERRIDES THE DEFAULT
      RECORD ID THAT WAS DEFINED BY ZFDRS COPYMGR COMMAND
  (C) SORTOPT DEFAULT IS SORT BY DBNAME
END OF DISPLAY+
```

## 522. FDRS00522I

---

FDRS0522I      ZFDRS HELP JNLGROUP

**Explanation:** The message is issued in response to a ZFDRS HELP JNLGROUP request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help jnlgrp
CSMP0097I 15.39.57 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0522I 15.39.57
ZFDRS JNLgroup SStatus TARGET OPTION
WHERE :
  TARGET - SETName-nnnnnnnnnnnnnnnnn (THE SETNAME)
  OPTION - HOPTAR
RESTRICTIONS :
  (A) TARGET PARAMETER IS REQUIRED
  (B) ONLY HUR JNLGROUP SUPPORTED
END OF DISPLAY+
```

## 523. FDRS00523I

---

FDRS0523I      ZFDRS HELP CREATEPAIR

**Explanation:** The message is issued in response to a ZFDRS HELP CREATEPAIR request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help create
FDRS0523I 14.10.16
ZFDRS CREATEPAIRs ACTION TARGET DBAREAS
WHERE :
    TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME) _
    DBAREAS- SOUrcedb-SSSSSSSSSSSSSSSS (THE DBNAME)
            TARgetdb-TTTTTTTTTTTTTTTTT (THE DBNAME)
            ONLinedb-OOOOOOOOOOOOOOOOO (THE DBNAME) _
            PORTSourcedb-PPPPPPPPPPPPPPP (THE DBNAME)
            PORTTargetdb-QQQQQQQQQQQQQQQ (THE DBNAME)
            SORT-ssss (DEV(4 DIGIT),SJ,TJ) _
    ACTION - INIT
            REPlace
RESTRICTIONS :
    (A) SET, SOURCEDB and TARGETDB ARE REQUIRED
    (B) SORT DEFAULTS TO SORT BY LAST TWO DIGITS OF THE DEVICE NUMBER
END OF DISPLAY+
```

## 524. FDRS00524I

---

FDRS0524I      ZFDRS HELP UTILITY

**Explanation:** The message is issued in response to a ZFDRS HELP UTILITY request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help util
FDRS0524I 14.10.16
VALID UTILITY OPTIONS ARE - DISPLAYVSn, FREESystemheap, DUMPSystemheap, CIOsc,
                           SETCOPY, DBACOPY. INFOSDA, INFOPCU, CCWS
FOR DETAILS ENTER ZFDRS HELP UTILITY OPTION.+
```

## 525. FDRS00525I

---

FDRS0525I      ZFDRS HELP PATHS

**Explanation:** The message is issued in response to a ZFDRS HELP PATHS request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help paths
CSMP0097I 22.40.39 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0525I 22.40.39
ZFDRS PATHs ACTION TARGET NUMBER OPTION
WHERE :
    TARGET - SETname-nnnnnnnnnnnnnnnn (THE SETNAME)
    ACTION - SStatus, DEFine, DELeTe, ID
    NUMBER - ALL, Dev-XXXX, OR SSSid _
    OPTION - EVERYTCpath, HOPTAR, SCUId-ss, FORCEallpath
RESTRICTIONS :
    (A) ACTION PARAMETER IS REQUIRED
    (B) TARGET PARAMETER IS REQUIRED
    (C) ID AND HOPTAR PARAMETER ONLY VALID FOR HUR SETS
    (D) SCUID SHOULD ONLY BE USED WITH CAUTION
        SCUID DEFAULT IS THE PRIMARY CONTROL UNIT SCU VALUE _
    (E) FORCEallpath SHOULD ONLY BE USED WITH CAUTION
END OF DISPLAY+
```

## 527. FDRS00527I

---

FDRS0527I      ZFDRS HELP REFREC

**Explanation:** The message is issued in response to a ZFDRS HELP REFREC request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help refrec
CSMP0097I 09.22.41 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0527I 09.22.41
ZFDRS REFREC  ADD TARGET Message-MMM...MM
                CHAnge TARGET Message-MMM...MM
                REMove TARGET
                DiSplay
                INIT PASSWORD-PPPPPPPP
WHERE :
    TARGET IS -  Type-T   Code-CCCCCCCC _
RESTRICTIONS :
    (A) MESSAGE IS LIMITED TO 80 CHARACTERS
END OF DISPLAY+
```

## 528. FDRS00528I

---

FDRS0528I      ZFDRS HELP MAR

**Explanation:** The message is issued in response to a ZFDRS HELP MAR request.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help mar
FDRS0528I 14.10.16
FOR DETAILS ENTER ZFDRS HELP MAR OPTION.
    ZFDRS HELP MAR DB_LDEv
                        DB_MPB
                        DB_PORT
                        DB_PGR
END OF DISPLAY+
```

## 529. FDRS00529I

---

FDRS0529I      ZFDRS HELP MAR DB\_LDEv

**Explanation:** The message is issued in response to a ZFDRS HELP MAR DB\_LDEv.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help mar db_ldev
FDRS0529I 14.10.16
ZFDRS MAR DB_LDEV IOSDA-dddd PASSWORD-pppppp PARMS OPTIONS
    PARMS :
        ALTSErIAL-ssssssssssss
        ALTSSID-iiii
        ALTLCU-ll
        ALTVOL-vv _
    OPTIONS :
        CONS
        DUMP
    RESTRICTIONS :
        (1) IOSDA Must be entered
        (2) PASSWORD is the MAM password
        (3) ALTSERIAL, ALTSSID, ALTLCU, ALTVOL is entered if the LDEV _
            query is for an ldev other than the IOSDA
        (4) If ALTSERIAL or ALTSSID or ALTLCU or ALTVOL is entered,
            then all four parameters must be entered
END OF DISPLAY++
```

## 530. FDRS00530I

---

FDRS0530I      ZFDRS HELP MAR DB\_MPB

**Explanation:** The message is issued in response to a ZFDRS HELP MAR DB\_MPB.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help mar db mpb
FDRS0530I 14.10.16
ZFDRS MAR DB_MPB IOSDA-dddd PASSWORD-pppppp PARMS OPTIONS
PARMS :
    ALTSERIAL-ssssssssssss
    ALTSSID-iiii
    MPB-m
    MPNUM-p _
OPTIONS :
    CONS
    DUMP
RESTRICTIONS :
(1) IOSDA parameter is required
(2) PASSWORD is the MAM password
(3) The MPB parameter is optional. The MPB _
    default is MPB zero
(4) The MPNUM parameter is optional. The MPNUM
    default is MP zero
(5) ALTSERIAL, ALTSSID, is entered if the MPB query is _
    for an ssid other than the IOSDA
(6) If ALTSERIAL or ALTSSID is entered, then both
    parameters must be entered
END OF DISPLAY+
```



## 532. FDRS00532I

---

FDRS0532I      ZFDRS HELP MAR DB\_PORT

**Explanation:** The message is issued in response to a ZFDRS HELP MAR DB\_PORT.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help mar db_port
FDRS0532I 14.10.16
ZFDRS MAR DB_PORT IOSDA-dddd PASSWORD-pppppp PARMS OPTIONS
  PARMS :
    ALTSERIAL-ssssssssssss
    ALTSSID-iiii
    PORT-xx _
  OPTIONS :
    CONS
    DUMP
  RESTRICTIONS :
    (1) IOSDA parameter is required
    (2) PASSWORD is the MAM password
    (3) The PORT parameter is optional. The PORT _
        default is PORT zero
    (4) ALTSERIAL, ALTSSID, is entered if the PORT query
        is for an ssid other than the IOSDA
    (5) If ALTSERIAL or ALTSSID is entered, then both
        parameters must be entered
END OF DISPLAY++
```

### 533. FDRS00533I

---

FDRS0533I      ZFDRS HELP MAR DB\_PGR

**Explanation:** The message is issued in response to a ZFDRS HELP MAR DB\_PGR.

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help mar db_pgr
FDRS0533I 14.10.16
ZFDRS MAR DB_PGR IOSDA-dddd PASSWORD-pppppp PARMS OPTIONS
  PARMS :
    ALTSERIAL-ssssssssssss
    ALTSSID-iiii
    RAID-xx
    RSUB-xx _
  OPTIONS :
    CONS
    DUMP
  RESTRICTIONS :
    (1) IOSDA parameter is required
    (2) PASSWORD is the MAM password
    (3) THE DEFAULT RAID VALUE IS ONE (RAID=1)
        THE DEFAULT RSUB VALUE IS ONE (RSUB=1) _
    (4) ALTSERIAL, ALTSSID, RAID, RSUB is entered if the PGR
        query is for a PGR other than the IOSDA PGR
    (5) If ALTSERIAL or ALTSSID then both parameters must be entered.
END OF DISPLAY+
```

### 535. FDRS00535I

---

FDRS0535I      ZFDRS HELP UTILITY DISPLAYVSNS

**Explanation:** The message is issued in response to a ZFDRS HELP UTILITY DISPLAYVSNS

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help util displayvsn
CSMP0097I 07.47.37 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0535I 07.47.37
ZFDRS UTILITY DISPLAYVSNS TARGET NUMBER OPTIONS
WHERE :
  TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME)
  NUMBER - ALL, Dev-XXXX, OR SSid-XXXX
  OPTIONS - SOURCE, TARGET
END OF DISPLAY+
```

### 536. FDRS00536I

---

FDRS0536I      ZFDRS HELP UTILITY FREESYSTEMHEAP

**Explanation:** The message is issued in response to a ZFDRS HELP UTILITY FREESYSTEMHEAP

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help utility freesystemheap
CSMP0097I 07.52.04 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0536I 07.52.04
ZFDRS UTILITY FREESystemheap ACTION OPTION PASSWORD-pppppppp
  ACTION : GET, FIND, REL
  OPTION :
            TOKEN-tttttttt (default token is HDS_XFDR)
            OWNER-oooo ... oooo
END OF DISPLAY+
```

### 537. FDRS00537I

---

FDRS0537I      ZFDRS HELP UTILITY CIOSC

**Explanation:** The message is issued in response to a ZFDRS HELP UTILITY CIOSC

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help utility ciosc
CSMP0097I 07.53.47 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0537I 07.53.47
ZFDRS UTILITY CIOSC SDA-dddd
END OF DISPLAY+
```

## 539. FDRS00539I

FDRS0539I      ZFDRS HELP UTILITY INFOSDA or INFOPCU

**Explanation:** The message is issued in response to a ZFDRS HELP UTILITY INFOSDA or ZFDRS HELP UTILITY INFOPCU

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs help utility infosda
(zfdrs help utility infopcu)

FDRS0539I 14.10.16
***** LOCAL CONTROL UNIT QUERY *****
ZFDRS UTILITY INFOPCU IOSDA-dddd ALTERNATE_VOL
      INFOSDA
      ALTERNATE_VOL (optional) :
          ALTLCu-ll
          ALTVol-vv
          ALTSSid-iiii
          ALTSerial-ssssssssssss _
***** REMOTE CONTROL UNIT QUERY *****
ZFDRS UTILITY INFOPCU RCUSERial-ssssssssssss ALTERNATE_VOL
      INFOSDA
      ALTERNATE_VOL (required) :
          ALTLCu-ll
          ALTVol-vv
          ALTSSid-iiii _
***** RESTRICTIONS *****
(1) IOSDA or the RCUSERIAL parameter is required, both cannot be entered.
(2) The IOSDA parameter is for local control unit queries.
    If the query is for a volume other than the specified IOSDA, _
        use the alternate volume parameters with the IOSDA parameter.
    When not using an alternate volume, no ALT parms may be used.
    When using an alternate volume, all four ALT parms must be used. _
(3) RCUSERial is for remote control unit queries
    RCUSERial may not be used with IOSDA parameter
    RCUSERial may not be used with ALTSERIAL
    RCUSERial requires the ALTSSid, ALTLCu, ALTVol parameters
END OF DISPLAY+
```

## 540. FDRS00540I

FDRS0540I      ZFDRS HELP UTILITY SETCOPY

**Explanation:** The message is issued in response to a ZFDRS HELP UTILITY SETCOPY

**System Action:** None.

**User Response:** None.

### Example:

```
zfdrs help util setcopy
FDRS0540I 14.10.16
ZFDRS UTILITY SETCOPY FROMset-ffffffffffffffff TOset-tttttttttttttttt
END OF DISPLAY+
```

#### 541. FDRS00541I

---

FDRS0541I      ZFDRS HELP UTILITY DBACOPY

**Explanation:** The message is issued in response to a ZFDRS HELP UTILITY DBACOPY

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help util dbacopy
FDRS0541I 14.10.16
ZFDRS UTILity DBACOPY FROMdbn-fffffffffffffffff TOdbn-tttttttttttttttt
END OF DISPLAY+
```

#### 544. FDRS00544I

---

FDRS0544I      ZFDRS HELP HISREC

**Explanation:** The message is issued in response to a ZFDRS HELP HISREC

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help hisrec
FDRS0544I 14.10.16
ZFDRS HISREc    DISPLAY
                  INIT PASSWORD-PPPPPPPP
END OF DISPLAY+
```

#### 545. FDRS00545I

---

FDRS0545I      ZFDRS HELP UTILITY DUMPSYSTEMHEAP

**Explanation:** The message is issued in response to a ZFDRS HELP UTILITY DUMPSYSTEMHEAP

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help util dumphsystemheap
FDRS0545I 14.10.16
ZFDRS UTILity DUMPSystemheap OPTION PASSWORD-pppppppp
      OPTION :
              TOKEN-tttttttt (default token is HDS_XFDR)
              OWNER-oooo ... oooo
END OF DISPLAY+
```

## 546. FDRS00546I

---

FDRS0546I      ZFDRS HELP UTILITY CCWS

**Explanation:** The message is issued in response to a ZFDRS HELP UTILITY CCWS

**System Action:** None.

**User Response:** None.

**Example:**

```
zfdrs help util ccws
CSMP0097I 22.41.33 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0546I 22.41.33
ZFDRS UTILITY CCWS IOSda-dddd COMmand-cc CCWPARMS PASSWORD-pppppppp
    CCWPARMS :
        ORder-oo
        SUBorder-ss
        PARTition-ii
***** RESTRICTIONS *****
The Following CCWs are Supported by this Utility _
COMMAND-54 (SENSE SUBSYSTEM STATUS)
COMMAND-64 (READ DEVICE CHARACTERISTICS)
COMMAND-83 (GET MICROCOCODE VERSION)
COMMAND-E4 (SENSE ID)
COMMAND-FA (READ CONFIGURATION DATA)
COMMAND-27 ORDER-18 SUBORDER-0 (STATUS OF STORAGE PATHS)
COMMAND-27 ORDER-18 SUBORDER-1 (SUBSYSTEM STATISTICS) _
COMMAND-27 ORDER-18 SUBORDER-2 (READ CACHE FAST WRITE ID)
COMMAND-27 ORDER-18 SUBORDER-41 (RFC READ FUNCTION CHARACTERISTICS)
**MPLF ONLY COMMANDS**
COMMAND-27 ORDER-18 SUBORDER-30 PARTITION-1 (READ PARTITION 1 LOCK DATA)
COMMAND-27 ORDER-18 SUBORDER-30 PARTITION-2 (READ PARTITION 2 LOCK DATA)
END OF DISPLAY+
```



# Acronyms and Abbreviations

DASD	direct-access storage device
DEV	device
LCU	logical control unit
LDEV	logical device
HUR	Hitachi Universal Replicator for Mainframe
M-VOL	main volume (for TrueCopy for Mainframe)
NSC	Hitachi TagmaStore Network Storage Controller
P-VOL	primary volume (for Universal Replicator for Mainframe)
R-VOL	remote volume (for TrueCopy for Mainframe)
SDA	symbolic device address
SIM	service information message
SI, SIz	Hitachi ShadowImage for Mainframe
SLCU	source logical control unit
SSER	source serial number
SSID	storage system identification
S-VOL	source volume (for ShadowImage for Mainframe) secondary volume (for Universal Replicator for Mainframe)
TC, TCz	Hitachi TrueCopy for Mainframe
TLCU	target logical control unit
TPF	Transaction Processing Facility
TSER	target serial number
T-VOL	target volume (for ShadowImage for Mainframe)
UR, URz	Hitachi Universal Replicator for Mainframe
USP V	Hitachi Universal Storage Platform V
USP VM	Hitachi Universal Storage Platform VM
VSN	Volume Serial Number
VSP	Hitachi Virtual Storage Platform

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