



Hitachi Copy Manager for IBM[®] TPF Messages and Codes

Hitachi Virtual Storage Platform G1000
Hitachi Virtual Storage Platform
Hitachi Universal Storage Platform V/VM

FASTFIND LINKS

[Contents](#)

[Product Version](#)

[Getting Help](#)

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Contents

Preface	v
Intended audience	vi
Product version	vi
Document revision level	vi
Changes in this revision	vii
Referenced documents	vii
Document conventions	vii
Convention for storage capacity values	ix
Accessing Product Documentation	x
Getting help	x
Comments	x
Overview of Hitachi Copy Manager for IBM® TPF	1-1
Messages	2-1
Messages 1-99	2-2
Messages 100-199	2-26
Messages 200-299	2-52
Messages 300-399	2-74
Messages 500-599	2-96
Acronyms and Abbreviations	



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.

This preface includes the following information:

- [Intended audience](#)
- [Product version](#)
- [Document revision level](#)
- [Changes in this revision](#)
- [Referenced documents](#)
- [Document conventions](#)
- [Convention for storage capacity values](#)
- [Accessing Product Documentation](#)
- [Getting help](#)
- [Comments](#)

Intended audience

This document is intended for system administrators, Hitachi Data Systems 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 the Hitachi ShadowImage feature.
- The user is familiar with the Hitachi TrueCopy feature.
- The user is familiar with the Hitachi Universal Replicator feature.
- 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 BF_6 or later.

Document revision level

Revision	Date	Description
MK-92RD130-00	Nov 2002	Initial Release
MK-92RD130-01	February 2004	Revision 1, supersedes and replaces MK-92RD130-00
MK-92RD130-02	August 2004	Revision 2, supersedes and replaces MK-92RD130-01
MK-92RD130-03	February 2007	Revision 3, supersedes and replaces MK-92RD130-02
MK-92RD130-04	May 2008	Revision 4, supersedes and replaces MK-92RD130-03
MK-92RD130-05	April 2009	Revision 5, supersedes and replaces MK-92RD130-04
MK-92RD130-06	August 2009	Revision 6, supersedes and replaces MK-92RD130-05
MK-92RD130-07	August 2011	Revision 7, supersedes and replaces MK-92RD130-06
MK-92RD130-08	May 2012	Revision 8, supersedes and replaces MK-92RD130-07
MK-92RD130-09	October 2012	Revision 9, supersedes and replaces MK-92RD130-08
MK-92RD130-10	February 2014	Revision 10, supersedes and replaces MK-92RD130-09
MK-92RD130-11	April 2014	Revision 11, supersedes and replaces MK-92RD130-10
MK-92RD130-12	July 2015	Revision 12, supersedes and replaces MK-92RD130-11

Changes in this revision

- Added source and target option to the VERIFYTVOFFLINE entry.
- Added DISPLAYVSN option to the CLIP entry.
- Added a utility entry to display a set's target volume VSNs.
- Added utility entry to display a physical control unit characteristics.
- Added user exit before the first resume (resync) is attempted.
- Added a user exit after all resumes (resync) have been attempted.
- VERIFYTVOFFLIN display separates the fields in the path group id.
- Added VERIFYTVOFFLINE for ShadowImage reverse resume (reverse resync).
- Removed FDRSC NOCONS parameter.
- Added CONS parameter to FDRSC.
- Changed FDRSC to default to not send error messages to the console.
- Added SETREC RENAME.
- Added DBREC RENAME.
- Supported nonzero path id for HUR.
- Removed comment field from PAIRREC.

Referenced documents

- Hitachi Copy Manager for TPF 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
Bold	Indicates text on a window, other than the window title, including menus, menu options, buttons, fields, and labels. Example: Click OK .
<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> Note: Angled brackets (< >) are also used to indicate variables.
screen/code	Indicates text that is displayed on screen or entered by the user. Example: # pairdisplay -g oradb
< > angled brackets	Indicates a variable, which is a placeholder for actual text provided by the user or system. Example: # pairdisplay -g <group> Note: 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 ² bytes
1 GB	1,000 ³ bytes
1 TB	1,000 ⁴ bytes
1 PB	1,000 ⁵ bytes
1 EB	1,000 ⁶ 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">▪ OPEN-V: 960 KB▪ Other than OPEN-V: 720 KB
1 KB	1,024 bytes
1 MB	1,024 KB or 1,024 ² bytes
1 GB	1,024 MB or 1,024 ³ bytes
1 TB	1024 GB or 1,024 ⁴ bytes
1 PB	1,024 TB or 1,024 ⁵ bytes
1 EB	1,024 PB or 1,024 ⁶ bytes

Accessing Product Documentation

Product documentation is available on Hitachi Data Systems Support Connect: https://support.hds.com/en_us/documents.html. 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 Data Systems Support Connect](https://support.hds.com/en-us/contact-us.html) is the destination for technical support of products and solutions sold by Hitachi Data Systems. To contact technical support, log on to Hitachi Data Systems Support Connect for contact information: <https://support.hds.com/en-us/contact-us.html>

[Hitachi Data Systems Community](https://community.hds.com) is a new global online community for HDS customers, partners, independent software vendors, employees, and prospects. It is the destination to get answers, discover insights, and make connections. **Join the conversation today!** Go to community.hds.com, register, and complete your profile.

Comments

Please send us your comments on this document: doc.comments@hds.com. Include the document title and number, including the revision level (for example, -07), and refer to specific sections and paragraphs whenever possible. All comments become the property of Hitachi Data Systems Corporation.

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
CSMP0097I 13.17.19 CPU-B SS-BSS SSU-BSS IS-01
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 sssid-a000
CSMP0097I 13.14.46 CPU-B SS-BSS SSU-BSS IS-01
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
CSMP0097I 13.12.10 CPU-B SS-BSS SSU-BSS IS-01
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:

```
zfdrs st set-set3 dev-5400
CSMP0097I 14.06.44 CPU-B SS-BSS SSU-BSS IS-01
FDRS0006E 14.06.44 INVALID DEVICE - SSID IS ZERO+
```

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:

```
zfdrs config cha dev-5400 set-set2
CSMP0097I 13.48.46 CPU-B SS-BSS SSU-BSS IS-01
FDRS0015E 13.48.46 CONFIG CHANGE REQUIRES AT LEAST ONE PARAMETER INPUT
```

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
CSMP0097I 14.36.17 CPU-B SS-BSS SSU-BSS IS-01
FDRS0016I 14.36.17 RECORD INITIALIZED+

zfdrs dba config init dbn-area3 password-secret
CSMP0097I 14.36.17 CPU-B SS-BSS SSU-BSS IS-01
FDRS0016I 14.36.17 RECORD INITIALIZED+

zfdrs offrec init password-secret
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
FDRS0016I 08.57.46 RECORD INITIALIZED+

zfdrs rcurec init password-secret
CSMP0097I 08.58.13 CPU-A SS-BSS SSU-BSS IS-01
FDRS0016I 08.58.13 RECORD INITIALIZED+

zfdrs setrec init password-secret
CSMP0097I 08.58.38 CPU-A SS-BSS SSU-BSS IS-01
FDRS0016I 08.58.38 RECORD INITIALIZED+

zfdrs copymgr init password-secret
CSMP0097I 08.59.04 CPU-A SS-BSS SSU-BSS IS-01
FDRS0016I 08.59.04 RECORD INITIALIZED+

zfdrs dbrec init password-secret
CSMP0097I 08.59.04 CPU-A SS-BSS SSU-BSS IS-01
FDRS0016I 08.59.04 RECORD INITIALIZED+

zfdrs execrec init password-secret
CSMP0097I 08.59.04 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 10.30.36 CPU-B SS-BSS SSU-BSS IS-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
CSMP0097I 12.57.51 CPU-B SS-BSS SSU-BSS IS-01
FDRS0018E 12.57.51 DEVICE 5508 DOES NOT EXIST+

zfdrs config rem set-set3 dev-5508
CSMP0097I 13.01.03 CPU-B SS-BSS SSU-BSS IS-01
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
CSMP0097I 13.03.25 CPU-B SS-BSS SSU-BSS IS-01
FDRS0019I 13.03.25 LOCAL COPY ITEM 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:

```
zfdrs con add set-set3 d-5401 sse-36146 sv-01 sl-00 sss-a000 tv-51 tl-00 tss-a001
CSMP0097I 13.08.23 CPU-B SS-BSS SSU-BSS IS-01
FDRS0020I 13.08.23 LOCAL COPY ITEM 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:

```
zfdrs con dis set-set3 dev-5500
CSMP0097I 13.16.57 CPU-B SS-BSS SSU-BSS IS-01
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:

```
zfdrs con cha set-set3 dev-5400 sv-00
CSMP0097I 13.42.26 CPU-B SS-BSS SSU-BSS IS-01
FDRS0023I 13.42.26 LOCAL COPY ITEM 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
CSMP0097I 13.48.49 CPU-B SS-BSS SSU-BSS IS-01
FDRS0024I 13.48.49 LOCAL COPY CONFIG RECORD IS EMPTY+
zfdrs config dis set-set3 dev-5500
CSMP0097I 13.49.24 CPU-B SS-BSS SSU-BSS IS-01
FDRS0024I 13.49.24 LOCAL COPY CONFIG RECORD IS EMPTY+
zfdrs config rem set-set3 dev-5500
CSMP0097I 13.49.49 CPU-B SS-BSS SSU-BSS IS-01
FDRS0024I 13.49.49 LOCAL COPY 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
CSMP0097I 13.56.50 CPU-B SS-BSS SSU-BSS IS-01
FDRS0025E 13.56.50 CANNOT ADD LOCAL COPY 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
CSMP0097I 14.10.05 CPU-B SS-BSS SSU-BSS IS-01
FDRS0026E 14.09.59 PROBLEM OBTAINING HEAP STORAGE FOR LOCAL COPY+
```

27. FDRS0027E

FDRS0027E (Set Copy Type) 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
CSMP0097I 14.30.13 CPU-B SS-BSS SSU-BSS IS-01
FDRS0027E 14.30.13 LOCAL COPY SET 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
CSMP0097I 14.24.06 CPU-B SS-BSS SSU-BSS IS-01
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
CSMP0097I 14.17.26 CPU-B SS-BSS SSU-BSS IS-01
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
CSMP0097I 14.19.09 CPU-B SS-BSS SSU-BSS IS-01
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
CSMP0097I 14.38.24 CPU-B SS-BSS SSU-BSS IS-01
FDRS0031E 14.38.24 ACTION NOT PERFORMED - MUST BE SIMPLEX OR INVALID+
zfdrs setrec cha set-set3 ord-17
CSMP0097I 14.38.24 CPU-B SS-BSS SSU-BSS IS-01
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
CSMP0097I 14.45.46 CPU-B SS-BSS SSU-BSS IS-01
FDRS0032I 14.45.46 LOCAL COPY PAIRS SPLIT+
CSMP0097I 14.45.46 CPU-B SS-BSS SSU-BSS IS-01
DFRS0003I 14.45.46 START OF LOCAL COPY STATUS - SET=SET2
A RESUME WAS ISSUED ON 06/25/11 AT 13:06:52
NO PRESET TIMESTAMP RECORDED
PERCENT LEFT TO COPY IS 13
SIMPLEX - 0
DUPLEX - 0
PENDING DUPLEX - 0
SPLIT BY OPER - 2
SPLIT BY EXC - 0
PENDING SPLIT - 48
QUICK SPLIT - 0
RE-SYNC - 0
REV RE-SYNC - 0
INVALID - 0
END OF LOCAL COPY STATUS+
```

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
CSMP0097I 14.59.55 CPU-B SS-BSS SSU-BSS IS-01
FDRS0034E 14.59.55 DEVICE(S) NOT IN CORRECT STATE FOR
ACTION REQUESTED - ENTER BP TO OVERRIDE+
CSMP0097I 14.59.55 CPU-B SS-BSS SSU-BSS IS-01
DFRS0003I 14.59.55 START OF LOCAL COPY STATUS - SET=SET2
A SPLIT            WAS ISSUED ON 06/25/11 AT 13:06:52
NO PRESET TIMESTAMP RECORDED
PERCENT LEFT TO COPY IS  0
SIMPLEX            -    0
DUPLEX            -    0
PENDING DUPLEX    -    0
SPLIT BY OPER     -    50
SPLIT BY EXC      -    0
PENDING SPLIT     -    0
QUICK SPLIT       -    0
RE-SYNC           -    0
REV RE-SYNC       -    0
INVALID           -    0
END OF LOCAL COPY   STATUS+
```

35. FDRS0035I

FDRS0035I (Set Copy Type) PAIR SYNCHRONIZATION 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
CSMP0097I 15.18.43 CPU-B SS-BSS SSU-BSS IS-01
FDRS0035I 15.18.43 LOCAL COPY SYNCHRONIZATION STARTED+
CSMP0097I 15.18.43 CPU-B SS-BSS SSU-BSS IS-01
DFRS0003I 15.18.43 START OF LOCAL COPY STATUS - SET=SET2
A DELETE WAS ISSUED ON 06/25/11 AT 13:06:52
NO PRESET TIMESTAMP RECORDED
PERCENT LEFT TO COPY IS 98
SIMPLEX - 0
DUPLEX - 0
PENDING DUPLEX - 50
SPLIT BY OPER - 0
SPLIT BY EXC - 0
PENDING SPLIT - 0
QUICK SPLIT - 0
RE-SYNC - 0
REV RE-SYNC - 0
INVALID - 0
END OF LOCAL COPY STATUS+
```

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
CSMP0097I 06.56.39 CPU-B SS-BSS SSU-BSS IS-01
FDRS0036I 06.56.39 LOCAL COPY PAIRS RESUMED+
CSMP0097I 06.56.40 CPU-B SS-BSS SSU-BSS IS-01
DFRS0042I 06.56.40 START OF LOCAL COPY STATUS - SET=SET2
A SPLIT WAS ISSUED ON 06/25/11 AT 13:06:52
NO PRESET TIMESTAMP RECORDED
PERCENT LEFT TO COPY IS 38
SIMPLEX - 0
DUPLEX - 16
PENDING DUPLEX - 0
SPLIT BY OPER - 0
SPLIT BY EXC - 0
PENDING SPLIT - 0
QUICK SPLIT - 0
RE-SYNC - 34
REV RE-SYNC - 0
INVALID - 0
END OF LOCAL COPY STATUS+
```


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
CSMP0097I 08.53.27 CPU-B SS-BSS SSU-BSS IS-01
FDRS0038E 14.36.39 LOCAL COPY 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
CSMP0097I 08.56.38 CPU-B SS-BSS SSU-BSS IS-01
FDRS0039I 08.56.38 LOCAL COPY PAIRS DELETED+
CSMP0097I 08.56.38 CPU-B SS-BSS SSU-BSS IS-01
DFRS0042I 08.56.38 START OF LOCAL COPY STATUS - SET=SET2
A SPLIT WAS ISSUED ON 06/25/11 AT 13:06:52
NO PRESET TIMESTAMP RECORDED
PERCENT LEFT TO COPY IS 0 _
SIMPLEX - 50
DUPLEX - 0
PENDING DUPLEX - 0
SPLIT BY OPER - 0
SPLIT BY EXC - 0
PENDING SPLIT - 0
QUICK SPLIT - 0
RE-SYNC - 0
REV RE-SYNC - 0 _
INVALID - 0
END OF LOCAL COPY STATUS+
```

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
CSMP0097I 09.00.40 CPU-B SS-BSS SSU-BSS IS-01
DfRS0041I 09.00.40 LOCAL COPY 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
CSMP0097I 06.55.20 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0042I 06.55.20 START OF LOCAL COPY 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 LOCAL COPY STATUS+

zfdrs st set-50a1
CSMP0097I 06.55.20 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0042I 06.55.20 START OF LOCAL COPY 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 LOCAL COPY STATUS+

zfdrs st set-r700_3400_hur1
CSMP0097I 12.24.59 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0042I 12.24.59 START OF REMOTE HUR COPY 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 REMOTE HUR 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_hurl
CSMP0097I 06.47.36 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0052I 06.47.36 BEGIN REMOTE HUR DISPLAY - SET-R700_7000_HURL
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
CSMP0097I 07.04.42 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0057I 07.04.42 START OF LOCAL COPY STATUS SSID 0400 SET-R700_7000_SI1
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
CSMP0097I 10.13.40 CPU-B SS-BSS SSU-BSS IS-01
DFRS0060I 10.13.40 COMMAND ISSUED TO SSSID A000+
CSMP0097I 10.13.40 CPU-B SS-BSS SSU-BSS IS-01
DFRS0042I 10.13.40 START OF LOCAL COPY STATUS - SET=SET2
A SPLIT WAS ISSUED ON 06/25/11 AT 13:06:52
NO PRESET TIMESTAMP RECORDED
PERCENT LEFT TO COPY IS 58
SIMPLEX - 0
DUPLEX - 10
PENDING DUPLEX - 18
SPLIT BY OPER - 3
SPLIT BY EXC - 0
PENDING SPLIT - 19
QUICK SPLIT - 0
RE-SYNC - 0
REV RE-SYNC - 0
```

INVALID	-	0
END OF LOCAL COPY	STATUS+	

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
CSMP0097I 10.19.45 CPU-B SS-BSS SSU-BSS IS-01
DFRS0061I 10.19.45 SSSID 5000 DOES NOT EXIST+

zfdrs st set-set2 ssid-5000
CSMP0097I 10.21.07 CPU-B SS-BSS SSU-BSS IS-01
DFRS0061I 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
CSMP0097I 10.48.57 CPU-B SS-BSS SSU-BSS IS-01
DFRS0063E 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
CSMP0097I 11.32.04 CPU-B SS-BSS SSU-BSS IS-01
FDRS0064I 11.32.04 LOCAL COPY PAIR SPLIT STARTED+
CSMP0097I 11.32.04 CPU-B SS-BSS SSU-BSS IS-01
FDRS0032I 11.32.04 LOCAL COPY PAIRS SPLIT+
CSMP0097I 11.32.05 CPU-B SS-BSS SSU-BSS IS-01
FDRS0042I 11.32.05 START OF LOCAL COPY STATUS - SET=SET2
A RESUME      WAS ISSUED ON 06/25/11 AT 13:06:52
NO PRESET TIMESTAMP RECORDED
PERCENT LEFT TO COPY IS 93
SIMPLEX      -    0
DUPLEX       -    0
PENDING DUPLEX -    0
SPLIT BY OPER -    0
SPLIT BY EXC -    0
PENDING SPLIT -   50
QUICK SPLIT  -    0
RE-SYNC      -    0
REV RE-SYNC  -    0
INVALID      -    0
END OF LOCAL COPY STATUS+
```

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
CSMP0097I 14.20.57 CPU-A SS-BSS SSU-BSS IS-01
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-tbdb2 ord-100
CSMP0097I 14.20.57 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 14.20.57 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 14.20.27 CPU-A SS-BSS SSU-BSS IS-01
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-tbdb2 ord-0 recid-hd
CSMP0097I 14.20.27 CPU-A SS-BSS SSU-BSS IS-01
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-tsd2 ord-0 recid-hd
CSMP0097I 14.20.27 CPU-A SS-BSS SSU-BSS IS-01
FDRS0087I 14.20.27 CANNOT ADD, SET CONFIGURATION IS FULL
```

88. FDRS0088I

FDRS0088I SET ITEM DOES NOT EXIST

Explanation: The message is issued in response to a SETREC CHANGE or SETREC REMOVE when the requested setname is not in the Set Index Record.

System Action: None.

User Response: None.

Example:

```
zfdrs setrec rem set-set4
CSMP0097I 14.20.27 CPU-A SS-BSS SSU-BSS IS-01
FDRS0088E 14.20.27 SET ITEM DOES NOT EXIST

zfdrs setrec cha set-set4 ord-17
CSMP0097I 14.20.27 CPU-A SS-BSS SSU-BSS IS-01
FDRS0017E 14.20.27 ITEM DOES NOT EXIST IN CONFIG RECORD
```

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
CSMP0097I 06.55.20 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0090I 06.55.20
BEGINNING OF SET CONFIGURATION RECORD DISPLAY _
                                     DEFAULT RECID - C8C4 (HD)

      |LOCATION          |COPY TYPE   |DEFAULTS
      |3LOCATION        |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 def set-50a2 time-085700 date-240812
CSMP0097I 08.56.32 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0081I 08.56.32 PRESET COMMAND ISSUED
0 ERRORS ENCOUNTERED+
CSMP0097I 08.56.32 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0094I 08.56.32 BEGIN LOCAL COPY 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 Data Systems TPF Engineering if the NOCOPY option is needed for ShadowImage.

Example:

```
zfdrs est set-set1 nocopy
CSMP0097I 14.20.27 CPU-A SS-BSS SSU-BSS IS-01
NOCOPY OPTION IS ONLY ALLOWED FOR REMOTE COPY
```

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 Data Systems TPF Team for assistance.

Example:

```
zfdrs con cha set-set1 dev-2004 tvol-17
CSMP0097I 14.20.27 CPU-A SS-BSS SSU-BSS IS-01
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

FDRS0103E 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
CSMP0097I 14.20.19 CPU-A SS-BSS SSU-BSS IS-01
SET ADD REQUIRES FACETYPE AND ORDINAL
```

104. FDRS0104I

FDRS0104E 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
CSMP0097I 14.20.19 CPU-A SS-BSS SSU-BSS IS-01
SET REMOVE DOES NOT REQUIRE FACE, ORD AND RECID
```

105. FDRS0105I

FDRS0105I TVONLINE REQUIRES PASSWORD

Explanation: The message is issued when an ESTABLISH entry is made using the TVONLINE option and no password was entered.

System Action: None.

User Response: Re-enter the ESTABLISH entry with the password.

Example:

```
zfdrs est set-set1 dev-2004 tvonline
CSMP0097I 14.20.19 CPU-A SS-BSS SSU-BSS IS-01
TVONLINE REQUIRES PASSWORD
```

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
CSMP0097I 14.20.19 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 13.23.55 CPU-A SS-BSS SSU-BSS IS-01
FDRS0108I 13.23.55
A DELETE WAS ISSUED ON 02/13/07 AT 10:19:54 , SETNAME - MONDAYSET
```

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.

System Action: None.

User Response: Call your system programmer.

Example:

```
zfdrs res set-r700_3400_si1 d-3400
CSMP0097I 12.26.56 CPU-A SS-BSS SSU-SSU0 IS-01
CYEM0099E 12.26.56 CMD REJECT, STATUS NOT AS REQUIRED DVC-3400,TYPE-3390,MOD-00
10,
CSW-0E00,CCW-83,CHPID-7C,SNS-80000000 0000000F E8000000 00000000 23120000 04500F
OF 000040C0 00000000 +
CSMP0097I 12.26.56 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0113E 12.26.56 START OF I/O ERROR ANALYSIS DISPLAY
I/O ERROR ON DEVICE 3400, FUNCTION NOT PERFORMED
TO BETTER UNDERSTAND THE I/O ERROR, LOOK UP ERROR CODE 2312 (SENSE BYTES 16-17)
IN THE HDS BCM ERROR CODE MANUAL
POSSIBLE MEANING OF FORMAT 0 MESSAGE F SENSE DATA - REASON CODE E8 IS -
TVOL ONLINE OR IN USE BY TC
OR SVOL INCORRECT STATE/INVALID
OR TRYING TO SPLIT MORE THAN 64 PAIRS
SUPPORT DATA FOR ADDITIONAL ANALYSIS
START OF FIOCB DISPLAY
FIOCAW 0ED48E80
FIOFLG 84
FIOPATH 85
FIOCSW 0ED5C010 0E000000 -
FIOECSW 0E61A048 0E000000
FIOSNS 80000000 0000000F E8000000 00000000
23120000 04500F0F 000040C0 00000000
FIOTKN 8EB8
FIOAIND BA
FIOLIT 8EBC
FIOSSID 8EBE
FIOMSGID 0ED48EC0
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

FDRS0118IE 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
FDRS0118E 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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
FDRS0122E 08.57.46 BEGINNING OF THE OFFLINE CONTROL DEVICE DEFINITION RECORD+
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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 remote control unit control device definition record.

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+
```

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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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 23.38.38 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0137E 23.38.38 BEGINNING OF THE COPYMANAGER CONTROL RECORD DISPLAY
                                DEFAULT RECID - C8C4 (HD)
                                HEX CHAR
CONTROL RECORD FACETYPE ORDINAL RECID RECID
COPYMGR #TSDB2 798 C8C4 (HD)
SETREC #TSDB2 1 C8C4 (HD)
RCUREC #TSDB2 2 C8C4 (HD)
OFFREC #TSDB2 3 C8C4 (HD)
EXCREC #TSDB2 4 C8C4 (HD)
DBREC #TSDB2 5 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 - - - - - ON
ECHO DISPLAY AFTER CHANGE - - - ON
COMBINED HUR STAT DISPLAY - - - ON
MONITOR - - - - - OFF
MONITOR INTERVAL - - - - - 10
DATE FORMAT - - - - - MDDYY
MAX COUNT VALUE ALLOWED (HEX) - 0020
COPYMGR SITE OPTION SETTINGS FOR SET DEFINITIONS
DEFAULT SET DEFINITIONS TO OFFLINE - ON
DEFAULT SET DEFINITIONS TO EXCTG - ON
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 SETREC CHANGED

Explanation: The message is issued in response to a satisfactory COPYMGR CHA (SETREC or RCUREC or OFFREC) 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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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 HDS TPF Engineering for support.

Example:

```
zfdrs setrec dis
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
FDRS0150E 08.57.46 COPYMGR CONTROL RECORD FIND OR FACE ERROR +
```

151. FDRS0151E

FDRS0151E OFFREC CONTROL RECORD FIND OR FACE ERROR

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

System Action: None.

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

Example:

```
zfdrs offrec dis
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
FDRS0151E 08.57.46 OFFREC CONTROL RECORD FIND OR FACE ERROR +
```

152. FDRS0152E

FDRS0152E SETREC CONTROL RECORD FIND OR FACE ERROR

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

System Action: None.

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

Example:

```
zfdrs setrec dis
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
FDRS0152E 08.57.46 SETREC CONTROL RECORD FIND OR FACE ERROR +
```

153. FDRS0153E

FDRS0153E RCUREC CONTROL RECORD FIND OR FACE ERROR

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

System Action: None.

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

Example:

```
zfdrs copymgr dis
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
FDRS0153E 08.57.46 RCUREC CONTROL RECORD FIND OR FACE ERROR +
```

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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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 HDS TPF Engineering for support.

Example:

```
zfdrs rcurec cdvdef tarser-12345
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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 HDS TPF Engineering for support.

Example:

```
zfdrs rcurec cdvdef tarser-12345
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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 HDS TPF Engineering for support.

Example:

```
zfdrs rcurec cdvdef tarser-12345
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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:

```
zfdrs rcurec cdvdef tarser-12345
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
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.

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

Example:

```
zfdrs res set-r700_3400_si1
CSMP0097I 13.17.00 CPU-A SS-BSS SSU-SSU0 IS-01
CYEM0099E 13.17.00 CMD REJECT, STATUS NOT AS REQUIRED DVC-3400,TYPE-3390,MOD-00
10,
CSW-0E00,CCW-83,CHPID-7C,SNS-80000000 0000000F E8000000 00000000 23120000 04500F
OF 000040C0 00000000 +
CSMP0097I 13.17.00 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0164E 13.17.00 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 13.17.00 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0113E 13.17.00 START OF I/O ERROR ANALYSIS DISPLAY
I/O ERROR ON DEVICE 3400, FUNCTION NOT PERFORMED
TO BETTER UNDERSTAND THE I/O ERROR, LOOK UP ERROR CODE 2312 (SENSE BYTES 16-17)
IN THE HDS BCM ERROR CODE MANUAL
POSSIBLE MEANING OF FORMAT 0 MESSAGE F SENSE DATA - REASON CODE E8 IS -
TVOL ONLINE OR IN USE BY TC
OR SVOL INCORRECT STATE/INVALID
OR TRYING TO SPLIT MORE THAN 64 PAIRS
SUPPORT DATA FOR ADDITIONAL ANALYSIS
START OF FIOCB DISPLAY
FIOCAW 0ED36E80
FIOFLG 84
FIOPATH 85
FIOCSW 0ED4A010 0E000000 -
FIOECSW 0E61D048 0E000000
FIOSNS 80000000 0000000F E8000000 00000000
23120000 04500F0F 000040C0 00000000
FIOTKN 6EB8
FIOAIND BA
FIOELIT 6EBC
FIOSSID 6EBE
FIOMSGID 0ED36EC0
END OF FIOCB DISPLAY
END OF I/O ERROR ANALYSIS DISPLAY+
CSMP0097I 13.17.00 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0042I 13.17.00 START OF LOCAL COPY STATUS - SET-R700_3400_SI1
A RESYNC WAS ISSUED ON 12/03/13 AT 13:15:53
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 LOCAL COPY STATUS+
```

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
CSMP0097I 08.57.46 CPU-A SS-BSS SSU-BSS IS-01
FDRS0165E 08.57.46 MUST ENTER A START OR STOP OPTION+
```

166. FDRS0166I

FDRS0166E 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
CSMP0097I 13.07.52 CPU-A SS-BSS SSU-SSU0 IS-01
COPYMANAGER MONITOR STARTED, TIME INTERVAL IS 0023 SECONDS
FDRS0042I 13.07.52 START OF LOCAL COPY STATUS - SET-R600_6000
AN ESTABLISH WAS ISSUED ON 02/25/11 AT 13:06:52
NO PRESET TIMESTAMP RECORDED
PERCENT LEFT TO COPY IS 99 _
SIMPLEX          - 0
DUPLEX           - 0
PENDING DUPLEX  - 100
SPLIT BY OPER   - 0
SPLIT BY EXC    - 0
PENDING SPLIT   - 0
VIRTUAL SPLIT   - 0
RE-SYNC         - 0
REV RE-SYNC     - 0
INVALID         - 0
END OF LOCAL COPY STATUS+
CSMP0097I 13.07.52 CPU-A SS-BSS SSU-SSU0 IS-01+
```

167. FDRS0167I

FDRS0167E COPYMANAGER MONITOR STOPPED

Explanation: The Copy Manager copy progress monitor successfully stopped.

System Action: None.

User Response: None.

Example:

```
zfdrs monitor stop set-set3
CSMP0097I 13.07.52 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 13.07.52 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0168I 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 06.47.36 REQUEST FOR VSN CLIP ISSUED+
FDRS0171I 06.47.36 VSN CLIP IS COMPLETE
0 ERRORS ENCOUNTERED
100 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
CSMP0097I 13.07.52 CPU-A SS-BSS SSU-SSU0 IS-01
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..

System Action: None.

User Response: None.

Example:

```
zfdrs ver set-r700_7000_si1
CSMP0097I 07.23.57 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0177I 07.23.57
START OF TARGET VOLUME OFFLINE VERIFICATION FOR SET-R700_7000_SI1
TARGET VOLUME OFFLINE SUMMARY COUNTS
NUMBER OF ONLINE TARGET VOLS      :    16
NUMBER OF OFFLINE TARGET VOLS     :    84
NUMBER OF ERRORS ENCOUNTERED      :     0

-
END OF VERIFY TARGET VOLUME OFFLINE DISPLAY+

zfdrs verify set-r700_7000_si1 online
CSMP0097I 07.24.34 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0177I 07.24.34
START OF TARGET VOLUME OFFLINE VERIFICATION FOR SET-R700_7000_SI1
SOURCE TARGET  NUMBER  FIRST PATH          TARGET
VOLUME STATUS  PATHS   GROUP ID           LOCATION
              ONLINE (ST PATHID SERNUM CPUTYPE  TIMESTAMP)  LCU VOL  -
7000 ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  20
7001 ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  21
7002 ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  22
7003 ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  23
7004 ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  24
7005 ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  25
7006 ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  26
7007 ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  27
7008 ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  28
7009 ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  29
700A ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  2A
700B ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  2B
700C ONLINE      4    84    8800 096ED6      2817 CF0BC2F9    1C  2C
```

```

700D ONLINE      4  84  8800 096ED6  2817 CF0BC2F9  1C  2D
700E ONLINE      4  84  8800 096ED6  2817 CF0BC2F9  1C  2E
700F ONLINE      4  84  8800 096ED6  2817 CF0BC2F9  1C  2F
MORE DATA AVAILABLE, ENTER ZPAGE TO CONTINUE+

zfdrs verify set-r700_7000_si1 offline
CSMP0097I 07.25.22 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0177I 07.25.22
START OF TARGET VOLUME OFFLINE VERIFICATION FOR SET-R700_7000_SI1
SOURCE TARGET  NUMBER  FIRST PATH          TARGET
VOLUME STATUS  PATHS   GROUP ID            LOCATION
                                (ST PATHID SERNUM CPUTYPE TIMESTAMP)  LCU VOL
7100 OFFLINE      0
7200 OFFLINE      0
7300 OFFLINE      0
7101 OFFLINE      0
7201 OFFLINE      0
7301 OFFLINE      0
7102 OFFLINE      0
7202 OFFLINE      0
7302 OFFLINE      0
7103 OFFLINE      0
7203 OFFLINE      0
7303 OFFLINE      0
7104 OFFLINE      0
7204 OFFLINE      0
7304 OFFLINE      0
7105 OFFLINE      0
MORE DATA AVAILABLE, ENTER ZPAGE TO CONTINUE+

zfdrs verify set-r700_7000_si1 d-7000
CSMP0097I 07.25.56 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0177I 07.25.56
START OF TARGET VOLUME OFFLINE VERIFICATION FOR SET-R700_7000_SI1
VOLUME 7000 TARGET HAS      4 PATHS ONLINE
TARGET VOLUME LOCATION IS LCU - 1C VOL - 20
PATH GROUP ID DETAILS :
      ST PATHID SERNUM CPUTYPE TIMESTAMP
PGID1 84  8800 096ED6  2817 CF0BC2F9
PGID2 84  8800 096ED6  2817 CF0BC2F9
PGID3 84  8800 096ED6  2817 CF0BC2F9
PGID4 84  8800 096ED6  2817 CF0BC2F9
PGID5 00  0000 000000  0000 00000000
PGID6 00  0000 000000  0000 00000000
PGID7 00  0000 000000  0000 00000000
PGID8 00  0000 000000  0000 00000000
END OF VERIFY TARGET VOLUME OFFLINE DISPLAY+

```

183. FDRS0183I

FDRS0183I 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 CopyManager 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
CSMP0097I 09.59.05 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0183I 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+
```

184. FDRS0184E

FDRS0184E 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
CSMP0097I 12.33.30 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0184E 12.33.30 BP OR NOBP REQUIRED FOR SETREC CHANGE OR INIT+
```

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-hurl1 facetype-tsdb2 ord-20 hur async
CSMP0097I 12.40.34 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 13.29.58 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0186I 13.29.58
BEGINNING OF SET OPERATIONS RECORD DISPLAY
SETNAME          TYPE      LAST ACTION/DATE          PAIR COUNT
R700_3400_HUR1   HUR-EXC  EST   11/08/13 13:10:50      100
R700_3400_SI1_A SI-ASYN  RES   10/21/13 15:48:46      100
R700_3400_SI2   SI-SYNC  SPL   11/08/13 12:38:06      100
R700_3420_TC1   TC-SYNC  NONE  00/00/00 00:00:00      100
_                4 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-ahur1 fast
CSMP0097I 12.44.07 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 12.46.17 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 12.48.40 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 12.50.55 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 12.55.02 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 06.55.20 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 09.01.28 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 21.37.28 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 13.07.31 CPU-A SS-BSS  SSU-SSU0 IS-01
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      00     OKB  NONE _
      01  NOTUSED          00      00     OKB  NONE
      02  NORMAL 000000053103  30      00     OKB  SUPER
      03  NOTUSED          00      00     OKB  NONE _
 30  0PCT  0PCT    388GB  00  NOTUSED          00      00     OKB  NONE _
      01  NOTUSED          00      00     OKB  NONE
      02  NORMAL 000000065423  30      00     OKB  SUPER
      03  NOTUSED          00      00     OKB  NONE _
END OF JOURNAL STATUS DISPLAY+

zfdrs jnlgr st set-2x2 hoptar
CSMP0097I 13.09.25 CPU-A SS-BSS  SSU-SSU0 IS-01
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      00     OKB  NONE
      01  NOTUSED          00      00     OKB  NONE
      02  NORMAL 000000054118  30      00     OKB  SUBORD
      03  NOTUSED          00      00     OKB  NONE _
 30  0PCT  0PCT    291GB  00  NOTUSED          00      00     OKB  NONE
      01  NOTUSED          00      00     OKB  NONE
      02  NORMAL 000000066844  30      00     OKB  SUBORD
      03  NOTUSED          00      00     OKB  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
CSMP0097I 13.53.36 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 09.13.46 CPU-A SS-BSS SSU-SSU0 IS-01
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-tdsb2 ord-960 recid-hd
CSMP0097I 09.15.26 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 09.16.36 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 09.19.04 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 14.00.08 CPU-A SS-BSS SSU-SSU0 IS-01
BEGIN DATABASE AREA DISPLAY - DBNAME - R700_3C20
  ITEM COUNT - 104 VOLUME COUNT - 100
  DEV VOL LCU SSID SERIAL NUMBER
3C20 20 1C 0470 000000054118
3D20 20 1D 0474 000000054118 -
3E20 20 1E 0478 000000054118
3F20 20 1F 047C 000000054118
3C21 21 1C 0470 000000054118
3D21 21 1D 0474 000000054118
3E21 21 1E 0478 000000054118
3F21 21 1F 047C 000000054118
3C22 22 1C 0470 000000054118 -
3D22 22 1D 0474 000000054118
3E22 22 1E 0478 000000054118
3F22 22 1F 047C 000000054118
3C23 23 1C 0470 000000054118
3D23 23 1D 0474 000000054118
3E23 23 1E 0478 000000054118
3F23 23 1F 047C 000000054118 _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
CSMP0097I 09.34.16 CPU-A SS-BSS SSU-SSU0 IS-01
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 the VSP G1000 is 7, the VSP is 6, and the 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
CSMP0097I 17.03.57 CPU-A SS-BSS SSU-SSU0 IS-01
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+
```

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
CSMP0097I 09.44.44 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 09.48.08 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 09.49.16 CPU-A SS-BSS  SSU-SSU0 IS-01
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
CSMP0097I 09.52.28 CPU-A SS-BSS  SSU-SSU0 IS-01
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
CSMP0097I 09.52.13 CPU-A SS-BSS  SSU-SSU0 IS-01
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: None.

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
CSMP0097I 13.48.30 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 10.08.21 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 10.10.36 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0243I 10.10.36
EXCTG REMOVED FROM SET 2X2+
```

247. FDRS0247E

FDRS0247I THE SUPERVISOR SERIAL NUMBER IS NOT DEFINED IN THE EXCTG_____

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

System Action: None.

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

Example: None.

248. FDRS0248E

FDRS0248E THE EXECREC 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 execrec cha set-2x2 for jnlj-30 scuid-5
CSMP0097I 10.45.09 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0248E 10.45.09 EXECREC CHANGE OR REMOVE JNLG ITEM REQUIRES SLAVE SERIAL NUMBER +
```

249. FDRS0249E

FDRS0249E THE EXCREC MAX JOURNAL ITEMS IS 16_____

Explanation: During an EXCREC ADD, the max journal items of 16 was exceeded.

System Action: None.

User Response: Verify the EXCREC plan is correct..

Example: None.

250. FDRS0250E

FDRS0250E FORWARD OR REVESE 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
CSMP0097I 10.49.14 CPU-A SS-BSS  SSU-SSU0 IS-01
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
CSMP0097I 15.42.38 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 15.42.44 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 14.28.31 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0255E 14.28.31
THE ONLSDA PARAMETER IS REQUIRED FOR CDVDIS, CDVDEF AND CDVREM
WHEN THE REMOTE CONTROL UNIT ITEM IOSDA IS ZERO++
```

256. FDRS0256E

FDRS0256E HDSWP MACRO ERROR. IOSDA PARAMETER IS MISSING. _____

Explanation: To use the HDSWP macro in a TPF assembler, the IOSDA parameter must be coded.

System Action: None.

User Response: Alter program using the HDSWP macro to use the IOSDA parameter.

Example: None.

257. FDRS0257E

FDRS0257E HDSWP MACRO ERROR. LCU PARAMETER IS MISSING.____

Explanation: To use the HDSWP macro in a TPF assembler, the LCU parameter must be coded.

System Action: None.

User Response: Alter program using the HDSWP macro to use the LCU parameter.

Example: None.

258. FDRS0258E

FDRS0258E HDSWP MACRO ERROR. VOL PARAMETER IS MISSING.____

Explanation: To use the HDSWP macro in a TPF assembler, the VOL parameter must be coded.

System Action: None.

User Response: Alter program using the HDSWP macro to use the VOL parameter.

Example: None.

259. FDRS0259E

FDRS0259E HDSWP MACRO ERROR. PCTWP PARAMETER IS MISSING.____

Explanation: To use the HDSWP macro in a TPF assembler, the PCTWP parameter must be coded.

System Action: None.

User Response: Alter program using the HDSWP macro to use the PCTWP parameter.

Example: None.

265. FDRS0265E

FDRS0265E INCORRECT USE OF THE REMOTE PARAMETER.____

Explanation: The remote parameter was use for a set that was not defined as an HUR or TrueCopy set in SETREC.

System Action: None.

User Response: Retry the entry again without the Remote parameter.

Example: None.

266. FDRS0266E

FDRS0265E INCORRECT USE OF THE LOCAL PARAMETER.____

Explanation: The local parameter was use for a set that was not defined as a ShadowImage set in SETREC.

System Action: None.

User Response: Retry the entry again without the Local parameter.

Example: None.

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
CSMP0097I 14.54.49 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 15.00.07 CPU-A SS-BSS SSU-SSU0 IS-01
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 HDS TPF Engineering support.

System Action: None.

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

Example:

```
zfdrs path st set-r700_7000_tc2
CSMP0097I 13.59.32 CPU-A SS-BSS SSU-SSU0 IS-01 _
FDRS0273I 13.59.32
BEGINNING OF THE TRUE COPY PATH STATUS DISPLAY FOR SET: R700_7000_TC2
----- SOURCE -----3 3----- TARGET -----3 3 PATH
SERIAL NUM  SSID PORT  SERIAL NUM  SCU  SSID SSID SSID SSID LCU PORT  STATUS
-----
000000054118 0470   03  000000065423 0006 0640 0000 0000 0000  40  23  ACTIVE
                                13                                33  ACTIVE
                                03                                33  ACTIVE
                                13                                23  ACTIVE
000000054118 0474   03  000000065423 0006 0641 0000 0000 0000  41  23  ACTIVE
                                13                                33  ACTIVE
                                03                                33  ACTIVE
                                13                                23  ACTIVE
000000054118 0478   03  000000065423 0006 0640 0000 0000 0000  40  23  ACTIVE
                                13                                33  ACTIVE
                                03                                33  ACTIVE
                                13                                23  ACTIVE
000000054118 047C   03  000000065423 0006 0641 0000 0000 0000  41  23  ACTIVE
                                13                                33  ACTIVE
                                03                                33  ACTIVE
                                13                                23  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-r700_3400_hur1
CSMP0097I 09.06.20 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0276I 09.06.20
BEGINNING OF THE PATHID BITMAP DISPLAY FOR SET: R700_3400_HUR1
SERIAL NUM - 000000065423 SCUID - 06
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 HDS TPF Engineering support.

System Action: None.

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

Example:

```
zfdrs path st set-r700_3400_hurl
CSMP0097I 13.58.39 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0279I 13.58.39
BEGINNING OF THE HUR PATH STATUS DISPLAY FOR SET: R700_3400_HUR1
----- SOURCE -----3----- TARGET -----33 PATH PATH
SERIAL NUM PORT SERIAL NUM PORT SCU ID STATUS
000000054118 03 000000065423 23 00 00 ACTIVE
13 33 ACTIVE
03 33 ACTIVE
13 23 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 we found in the control unit.

System Action: None.

User Response: Contact HDS TPF engineering for hrlp 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 HDS 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-tsd2 ord-300
CSMP0097I 15.58.31 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0288E 15.58.31 SETNAME or DBNAME TOO LONG (MORE THAN 16 CHARACTERS)+

zfdrs st set-toolongnametest1234567
CSMP0097I 15.55.56 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 09.33.08 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0292I 09.33.08
BEGIN DATABASE AREA PATH DISPLAY - DBNAME - R700_3C20
ITEM COUNT - 104 PATH COUNT - 4
SERIAL TC HUR 3SOURCE PATH PORTS 3TARGET PATH PORTS
NUMBER SSID PID P1 P2 P3 P4 P5 P6 P7 P8 P1 P2 P3 P4 P5 P6 P7 P8
000000054118 0470 FF 03 13 03 13 00 00 00 00 00 00 00 00 00 00 00 00
000000054118 0474 FF 03 13 03 13 00 00 00 00 00 00 00 00 00 00 00 00
000000054118 0478 FF 03 13 03 13 00 00 00 00 00 00 00 00 00 00 00 00
000000054118 047C FF 03 13 03 13 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 id's and the hur pathid.

System Action: None.

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

Example:

```
zfdrs dba con add dbn-r700_3800 ssid-400 s1-13 d-3400 path ser-1234
CSMP0097I 05.30.15 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 05.34.37 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 05.21.37 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 05.42.39 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 05.39.16 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 05.51.55 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 05.54.07 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 05.56.02 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 06.03.27 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 06.04.37 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 11.03.05 CPU-A SS-BSS SSU-SSU0 IS-01
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 P1 P2 P3 P4 P5 P6 P7 P8 P1 P2 P3 P4 P5 P6 P7 P8
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 REMOTE SYNC DISPLAY+

zfdrs con dis set-r700_3400_hurl path
CSMP0097I 11.04.53 CPU-A SS-BSS SSU-SSU0 IS-01
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 P1 P2 P3 P4 P5 P6 P7 P8 P1 P2 P3 P4 P5 P6 P7 P8
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 REMOTE SYNC 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
CSMP0097I 06.27.18 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 06.29.54 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 06.31.18 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 07.38.54 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 07.50.33 CPU-A SS-BSS SSU-SSU0 IS-01
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 CopyManager 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 CopyManager 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 CopyManager 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 CopyManager 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 EXCEC CONTROL RECORD FIND OR FACE ERROR IN PROGRAM
pppp

Explanation: During the processing of a CopyManager 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: UCorrect 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
CSMP0097I 09.36.06 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 06.37.04 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0325I 06.37.04
BEGINNING OF SET DEFAULTS RECORD DISPLAY
          3COPY   3DEFAULTS
SETNAME  TYPE    HOP OL SRC CG SJ TJ MI HPID
R700_7000_HUR1  HUR-EXC  N  N  Y 00 31 31 03 17
R700_7000_REV1  SI-SYNC  N  N  Y 00 00 00 00 00
R700_7000_SI1   SI-SYNC  Y  N  Y 06 00 00 00 00
R700_7000_SI2   SI-SYNC  N  N  N 07 00 00 00 00
TEMP_R700_TC    TC-SYNC  N  N  N 00 00 00 00 00
TST1           HUR      N  N  Y 13 16 15 12 18
      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
CSMP0097I 09.58.56 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 10.01.48 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 11.00.18 CPU-A SS-BSS SSU-SSU0 IS-01
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_s11 time-130000
CSMP0097I 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
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:

```
zfdrs mon set-h700_3400_mvsl time-10
CSMP0097I 23.47.07 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0345E 23.47.07 MONITOR REQUEST REQUIRES START OR STOP OPTION+
```

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 less.

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
CSMP0097I 09.05.37 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 09.16.21 CPU-A SS-BSS SSU-SSU0 IS-01
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
CSMP0097I 09.18.25 CPU-A SS-BSS SSU-SSU0 IS-01
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 HDS 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 HDS 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 HDS 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 HDS TPF engineering for assistance.

Example:

```
zfdrs ver set-r700_7000_hurl  
CSMP0097I 09.49.07 CPU-A SS-BSS SSU-SSU0 IS-01  
FDRS0365E 09.49.07 VERIFY IS ONLY ALLOWED FOR SI, NOHOP SETS+
```

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 HDS TPF engineering for assistance.

Example:

```
zfdrs clip set-r700_7000_hurl vsn-tx oldvsn-pd  
CSMP0097I 09.52.34 CPU-A SS-BSS SSU-SSU0 IS-01  
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 sda-7000
CSMP0097I 09.55.44 CPU-A SS-BSS SSU-SSU0 IS-01
YHDK0001I 09.55.44 INFOPCU UTILITY STARTED+
CSMP0097I 09.55.44 CPU-A SS-BSS SSU-SSU0 IS-01 _
FDRS0367I 09.55.44 PHYSICAL CONTROL UNIT INFORMATION FOR SDA - 7000
CONTROL UNIT TYPE - 06
MICROCODE LEVEL - 70062351
INTERFACE TYPE - 3434
PRODUCT BIT SETTING 1 - 511D4722
PRODUCT BIT SETTING 2 - A05B47F9
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-testsys vsn-tx oldvsn-pr
FDRS0369E 06.47.36 REQUEST FOR VSN CLIP ISSUED+
FDRS0171I 06.47.36 VSN CLIP IS COMPLETE
0 ERRORS ENCOUNTERED
100 VOLUMES WERE CLIPPED FROM PR TO TX +

zfdrs clip set-r700_7000_sil vsn-ts oldvsn-gs displayvsn
CSMP0097I 06.47.36 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0369E 06.47.36 REQUEST FOR VSN CLIP ISSUED+
CSMP0097I 06.47.36 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0370E 06.47.36
START OF CLIP VSN DISPLAY
SOURCE 33 VSN DETAIL 33 TARGET VOL DETAILS 3
SDA OLDVSN NEWVSN VOL LCU SSID SERIAL NUM
7000 GS1000 TS1000 20 1C 0470 000000054118 -
7100 GS1001 TS1001 20 1D 0474 000000054118 -
7200 GS1002 TS1002 20 1E 0478 000000054118
7300 GS1003 TS1003 20 1F 047C 000000054118
7001 GS1052 TS1052 21 1C 0470 000000054118 -
7101 GS1053 TS1053 21 1D 0474 000000054118 -
7201 GS1050 TS1050 21 1E 0478 000000054118
7301 GS1051 TS1051 21 1F 047C 000000054118
7002 GS1004 TS1004 22 1C 0470 000000054118 -
7102 GS1005 TS1005 22 1D 0474 000000054118 -
7202 GS1006 TS1006 22 1E 0478 000000054118
7302 GS1007 TS1007 22 1F 047C 000000054118
7003 GS1056 TS1056 23 1C 0470 000000054118 -
7103 GS1057 TS1057 23 1D 0474 000000054118 -
7203 GS1054 TS1054 23 1E 0478 000000054118
7303 GS1055 TS1055 23 1F 047C 000000054118
7004 GS1008 TS1008 24 1C 0470 000000054118 -
7104 GS1009 TS1009 24 1D 0474 000000054118 -
...
7018 GS1048 TS1048 38 1C 0470 000000054118 -
7118 GS1049 TS1049 38 1D 0474 000000054118 -
7218 GS1098 TS1098 38 1E 0478 000000054118
7318 GS1099 TS1099 38 1F 047C 000000054118 -
END OF CLIP VSN DISPLAY
VSN CLIP IS COMPLETE
0 ERRORS ENCOUNTERED
100 VOLUMES WERE CLIPPED FROM GS TO TS +
```

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 utility displayvsn set-r700_7000_sil
CSMP0097I 06.47.36 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0373E 06.47.36
START OF UTILITY READ VSN DISPLAY
SOURCE 33 33 TARGET VOL DETAILS 3
SDA VSN VOL LCU SSID SERIAL NUM
7000 GS1000 20 1C 0470 000000054118
7100 GS1001 20 1D 0474 000000054118
7200 GS1002 20 1E 0478 000000054118
7300 GS1003 20 1F 047C 000000054118
7001 GS1052 21 1C 0470 000000054118
7101 GS1053 21 1D 0474 000000054118
7201 GS1050 21 1E 0478 000000054118
7301 GS1051 21 1F 047C 000000054118
7002 GS1004 22 1C 0470 000000054118
7102 GS1005 22 1D 0474 000000054118
7202 GS1006 22 1E 0478 000000054118
7302 GS1007 22 1F 047C 000000054118
7003 GS1056 23 1C 0470 000000054118
7103 GS1057 23 1D 0474 000000054118
7203 GS1054 23 1E 0478 000000054118
7303 GS1055 23 1F 047C 000000054118
7004 GS1008 24 1C 0470 000000054118
7104 GS1009 24 1D 0474 000000054118
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
CSMP0097I 10.44.20 CPU-A SS-BSS SSU-SSU0 IS-01
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 HDS TPF engineering for assistance.

Example:

```
zfdrs util frees password-mikemike
CSMP0097I 10.46.37 CPU-A SS-BSS SSU-SSU0 IS-01
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
```

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
CSMP0097I 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0500I 10.10.25 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
          CONfig
          DBArea
          CREATEPAIR
          UTILity _
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 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0501I 10.10.25
ZFDRS (TYPE) ESTablish TARGET SPEED NUMBER STOPONerr VERifytvoff BP
                                NOSTOPONerr NOVERifytvoff
_
WHERE :
    TYPE - (OPTIONAL) LOCal OR REMote
    TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME)
    SPEED - SLOW OR FAST
    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
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 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0502I 10.10.25
ZFDRS (TYPE) SPLit TARGET SPLITRW HURREV BP
                                NOSPLITRW
WHERE :
    TYPE - (OPTIONAL) LOCal OR REMote
    TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME) _
    BP - PROCESS EVEN IF ALL PAIRS NOT DUPLEX
    HURREV - HUR SETS ONLY
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 10.10.25 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0503I 10.10.25
ZFDRS (TYPE) DELeTe TARGET HOPTAR BP
WHERE :
    TYPE - (OPTIONAL) LOCal OR REMote
    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 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0504I 10.10.25
ZFDRS (TYPE) STatus TARGET OPTION
ZFDRS (TYPE) SYSTEM
WHERE :
    TYPE - (OPTIONAL) LOCal OR REMote
    TARGET - SETname-nnnnnnnnnnnnnnnn (THE SETNAME) _
    SHADOW IMAGE OPTION - ALL, Dev-xxxx,SSID-ssss,
        SIMPLEX, DUPLEX, PENDDUPLEX, SPLITOPR,
        SPLITEXC,PENDSPLIT, VIRTUALSPL, RESYNC,
        REVRESYNC, INVALID
-
    HUR OPTION - ALL, DEV-xxxx, SSID-ssss, HOPTAR, COMBINE
        SIMPLEX, DUPLEX, PENDDUPLEX, ,SPLITVSUSP, SPLITOPR,
        SPLITVDKC, SPLITVSX, SPLITVST, SPLITVINT, SPLITIML, _
        SPLITINIT, PENDSPLIT, PENSIMPLEX, SPLITPS, SPLITDIFJ,
        SPLITDIFX, SPLITDIFM, SPLITJFOR, SPLITXFOR, INVALID
-
    TRUE COPY OPTION - ALL, DEV-xxxx, SSID-ssss
        SIMPLEX, DUPLEX, PENDDUPLEX, SPLITOPR
        SPLITVSUSPPENDSPLIT, PENSIMPLEX, SPLITVPCU, _
        SPLITCU, SPLITSMPX, SPLITTVOL, SPLITIML,
        SPLITINIT, 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
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 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0506I 10.10.25
ZFDRS (TYPE) RESume TARGET SPEED NUMBER STOPONerr  VERifytvoff  HURREV BP
              RESync              NOSTOPONerr NOVERifytvoff
              REVerse

WHERE :
TYPE - (OPTIONAL) LOCAL OR REMOTE
TARGET - SETname-nnnnnnnnnnnnnnnn (THE SETNAME)
SPEED - SLOW OR FAST
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
END OF DISPLAY+
```


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 07.38.45 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0507I 07.38.45
ZFDRS SETREc ADD TARGET TYPE LOCATION OPTIONS
          CHAnge TARGET TYPE LOCATION OPTIONS
          REMove TARGET
          DISplay TYPE VIEWS
          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, DEFAULTS
LOCATION  - FACetype-YYYYYY
          ORDinal-DDDDDDDDDD _
          MAXordinal-DDDDDDDDDD
          RECID-XXXX
OPTIONS  - ASYNC (NOASYNC), EXCTG (NOEXCTG)
          OFFline (NOOFFline),
          HOPcontrolunit (NOHOPcontrolunit)
          SOURce (NOSOURce)
          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 ENFORCEDEND 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 23.35.29 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0508I 23.35.29
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 _
                   MONITOR, NOMONITOR _
                   MONTIME-tttt (decimal seconds)
                   MAXCOUNt-xx (hexidecimal)
                   DATEformat-fffff (MMDDYY or DDMMYY or YYMMDD)
          (SET DEFINITION OPTIONS) -
                   SETS_EXCtg, NOSETS_EXCtg _
                   SETS_OFFline,NOSETS_OFFline
                   SETS_SOURce, NOSETS_SOURce
          CONTROLREC - SETREC, RCUREC, OFFREC, DBREC or EXCREC
          LOCATION - FACetype-YYYYYY
                   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++
```


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:

```
zfdsr help con add
CSMP0097I 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0510I 10.10.25
ZFDRS (TYPE) CONFIG ACTION TARGET DEV-XXXX OPTIONS BP
WHERE :
    TYPE - (OPTIONAL) LOCAL OR REMOTE
    ACTION - ADD, CHANGE, REMOVE
    TARGET - SETNAME-nnnnnnnnnnnnnnnnnnnnn (THE SETNAME) _
    Dev - MODULE HARDWARE ADDR
    OPTIONS - SSSID-XX, SSEr-YYYYYYYYYYYYY, SLcu-XX, SVol-XX,
             TSSid-XX, TSEr-YYYYYYYYYYYYY, TLcu-XX, TVol-XX, _
             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+

zfdsr help dba add
CSMP0097I 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0510I 10.10.25
ZFDRS DBArea CONFIG ACTION TARGET Dev-XXXX OPTIONS
WHERE :
    ACTION - ADD, CHANGE, REMOVE
    TARGET - DBName-nnnnnnnnnnnnnnnnnnnnn _
    Dev - MODULE HARDWARE ADDR (DEVICE ITEM)
    PATHS - PATH ITEM UPDATE REQUESTED
    OPTIONS - SSID-XX, SERIAL-YYYYYYYYYYYYY, LCu-XX, Vol-XX,
             COUnT-XX, LASTdev-XX, BP, _
             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, T1PORTID-T8PORTID, S1PORTID-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:

```
zfdsr help con init
CSMP0097I 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0511I 10.10.25
ZFDRS (TYPE) Config INIT TARGET PASSWORD-PPPPPPPP
WHERE :
      TYPE - (OPTIONAL) LOCAL OR REMOTE
      TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME)

RESTRICTIONS :
(A) TARGET PARAMETER IS REQUIRED
(B) PASSWORD IS REQUIRED
END OF DISPLAY+

zfdsr 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:

```
zfdsr help preset
CSMP0097I 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0512I 10.10.25
ZFDRS (TYPE) PREset DEFine TARGET TIME DATE TOV ADDTOV BP
      CANCEL TARGET
      STATUS TARGET
WHERE :
      TYPE - (OPTIONAL) LOCAL OR REMOTE
      TARGET - SETname-nnnnnnnnnnnnnnnnn (THE SETNAME) _
      TIME - TIME-hhmmss
      DATE - DATE-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:

```
zfdsr help rcurec
CSMP0097I 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0513I 10.10.25
ZFDRS RCUREc ADD TARSerial-SSSSSSSSSSS HOPLIST IOSDA-NNNN APLid-NNNN OPTION
              CHAnge TARSerial-SSSSSSSSSSS HOPLIST IOSDA-NNNN APLid-NNNN OPTION
              CHAnge REVerseallow or NOREVerseallow _
              REMove TARSerial-SSSSSSSSSSS
              DIsply
              INIT PASSWORD-PPPPPPPP

_
WHERE :
      OPTION - HURTAR (NOHURTAR)
      HOPLIST - TARSerial-SSSSSSSSSSS
                TARSSid-SSSS
                TARLcu-LL
                TARVol-DD

_
                ROSErial-SSSSSSSSSSS
                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

FDRS00514I ZFDRS HELP OFFREC

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

System Action: None.

User Response: None.

Example:

```
zfdsr help offrec
CSMP0097I 10.10.25 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS00514I 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

FDRS00515I ZFDRS HELP MONITOR

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

System Action: None.

User Response: None.

Example:

```
zfdsr help monitor
CSMP0097I 10.10.25 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS00515I 10.10.25
ZFDRS (TYPE) MONitor STArt TARGET TIME-tttt
                STOp
WHERE  :
        TYPE   - (OPTIONAL) LOCAL OR REMOTE
        TARGET - SETname-nnnnnnnnnnnnnnn (THE SETNAME)
        TIME   - xxxx (decimal seconds)  _
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:

```
zfdsr help clip
CSMP0097I 07.40.10 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0516I 07.40.10
ZFDRS (TYPE) CLIP TARGET NUMBER VSN-vv OLDvsn-oo VERifytvoff DISPLAYVSn BP
                                                NOVERifytvoff

WHERE :
    TYPE - (OPTIONAL) LOCAL OR REMOTE _
    TARGET - SETname-nnnnnnnnnnnnnnnn (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:

```
zfdsr help ver
CSMP0097I 07.40.45 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0517I 07.40.45
ZFDRS (TYPE) VERifytvofflin TARGET NUMBER
                                                ONLine TARget
                                                OFFline SOURce

WHERE :
    TYPE - (OPTIONAL) LOCAL OR REMOTE _
    TARGET - SETname-nnnnnnnnnnnnnnnn (THE SETNAME)
    NUMBER - ALL, Dev-XXXX, OR SSSid-XXXX
ZFDRS VERifytvofflin SINGLE PARAMETERS
WHERE :
    IOSDA-xxxx (required)
    SERIialxxxxxxxxxxxxxxxx (required)
    SSIId-xxxx (required)
    LCu-xx (required)
    VOL-xx (required)
RESTRICTIONS :
    (A) SETNAME(TARGET) OR SINGLE IS REQUIRED
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:

```
zfdsr help excrec
CSMP0097I 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0518I 10.10.25
ZFDRS EXCREc ADD SETname-NNNNNNNNNNNNNNN DIRECTION OPTIONS
              CHAnge SETname-NNNNNNNNNNNNNNN DIRECTION OPTIONS
              REMove SETname-NNNNNNNNNNNNNNN DIRECTION _
              Display
              INIT PASSWORD-PPPPPPPP

WHERE :
      DIRECTION - FORward
              REVerse
      OPTIONS   - EXCTG-N
              MIRror-N
              SUPervisorser-SSSSSSSSSSSS
              JNLgid-NN
              SUBordinatēser-SSSSSSSSSSSS
              SCUid-N
              ARBITcd-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:

```
zfdsr help exctg
CSMP0097I 10.10.25 CPU-A SS-BSS SSU-SSU0 IS-01
FDRS0519I 10.10.25
ZFDRS (TYPE) EXCTGGroup TARGET OPTION
WHERE :
      TYPE     - (OPTIONAL) LOCAL OR REMOTE
      TARGET   - SETname-nnnnnnnnnnnnnnnn (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:

```
zfdsr help dbrec
CSMP0097I 07.42.27 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0520I 07.42.27
ZFDRS DBREc ADD TARGET LOCATION
           CHAnge TARGET LOCATION
           REMove TARGET
           DiSplay
           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
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
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:

```
zfdsr help jnlgrp
CSMP0097I 10.10.25 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0522I 10.10.25
ZFDRS (TYPE) JNLgroup SStatus TARGET OPTION
WHERE :
  TYPE - (OPTIONAL) LOCAL OR REMOTE
  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:

```
zfdsr help create
CSMP0097I 10.10.25 CPU-A SS-BSS  SSU-SSU0 IS-01
FDRS0523I 10.10.25
ZFDRS (TYPE) CREATEPAIR ACTION TARGET DBAREAS

WHERE :
    TYPE - (OPTIONAL) LOCAL OR REMOTE
    TARGET - SETname-nnnnnnnnnnnnnnnn (THE SETNAME)
    DBAREAS- SOURcedb-SSSSSSSSSSSSSSSS (THE DBNAME) -
            TARgetdb-TTTTTTTTTTTTTTTTT (THE DBNAME) -
            ONLinedb-OOOOOOOOOOOOOOOO (THE DBNAME)
            PORTSourcedb-PPPPPPPPPPPPPPPP (THE DBNAME)
            PORTTARgetdb-QQQQQQQQQQQQQQQ (THE DBNAME)
    ACTION - INIT
            REPlace
RESTRICTIONS : -
(A) SET, SOURCEDB and TARGETDB ARE REQUIRED
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 utility
FDRS0524I 10.39.04
*****
ZFDRS UTILITY DISPLAYVSn TARGET NUMBER
WHERE :
    TARGET - SETname-nnnnnnnnnnnnnnn (THE SETNAME)
    NUMBER - ALL, Dev-XXXX, OR SSSid
*****
ZFDRS UTILITY FREESYSTEMHEAP OPTION PASSWORD-pppppppp
OPTION:
    TOKEN-tttttttt (default token is is HDS_XFDR)
*****
ZFDRS UTILITY CIO SC SDA
WHERE :
    SDA-SSSS (THE SDA TO QUERY)
*****
ZFDRS UTILITY INFO PCU SDA
WHERE :
    SDA-SSSS (THE SDA TO QUERY)
*****
END OF DISPLAY+
```

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 path
CSMP0097I 00.02.35 CPU-A SS-BSS SSU-SSU0 IS-01 _
FDRS0525I 00.02.35
ZFDRS PATHS ACTION TARGET NUMBER OPTION
WHERE :
    TARGET - SETname-nnnnnnnnnnnnnnn (THE SETNAME)
    ACTION - STatus, DEFine, DELete, ID
    NUMBER - ALL, Dev-XXXX, OR SSSid
    OPTION - EVERYTCpath, HOPTAR
RESTRICTIONS :
    (A) ACTION PARAMETER IS REQUIRED
    (B) TARGET PARAMETER IS REQUIRED
    (C) ID PARAMETER IS ONLY VALID FOR HUR SETS
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
VSP G1000	Hitachi Virtual Storage Platform G1000

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