

E-SRF

**EKC Security
Event Reporting Facility**

Release 2.1

Messages and Codes



E-SRF V2R1 –
EKC Inc.

GENERAL AVAILABILITY, Revised February 13, 2005

E-SRF™ is a proprietary product
developed and maintained by

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EKC, Inc. provides only software program products which fully comply with, and maintain MVS integrity.

The vendor hereby warrants that:

- 1) E-SRF™ ("Software") performs only those functions which are described in the published specifications;
- 2) there are no methods for gaining access to the Software or other computer resources or data of Licensee (such as a master access key, ID, password, or trap door) other than set forth in the published specifications;
- 3) the Software does not introduce any MVS integrity exposures. The program code, with the exception of one utility, runs totally in non-authorized, problem state. The one utility, EKCRXCAT, requires APF-authorization to read the MVS System Catalogs. A non-APF authorized utility, EKCRGCAT, is supplied to perform the same function, but at a considerably slower speed.
- 4) the software shall be year 2000 compliant, and shall function correctly in the next century according to published specifications as long as regular software maintenance is applied.

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Version 2, Release 1 February 13, 2005 (Revised for: LE00450)

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Printed in USA

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E-SRF Publications

Name	Contents
<i>Installation Guide</i>	E-SRF installation including: installation and maintenance steps, startup and shutdown considerations, and backup and recovery procedures.
<i>Change Summary Guide</i>	Contains all new features and system function changes.
<i>General Overview</i>	An overview of E-SRF and its components.
<i>Resource Grouping Facility Guide</i>	Brief overview of the Resource Grouping Facility, its relationship to E-SRF, language command syntax, TSO commands and JCL.
<i>Access Analysis Reports Guide for ACF2</i> <i>Access Analysis Reports Guide for RACF</i>	Brief overview of Access Analysis reports, explanation of the DataOwner and Userid/LogonidOwner reports, command syntax, utilities necessary for creating input to reports, and JCL.
<i>Event Reporting User Guide</i>	A "How To" guide for users of E-SRF Event Reporting.
<i>Event Reporting Facility - Command Reference</i>	Explains the Event Reporting Facility command processor, command syntax, and JCL.
<i>Event Reporting Facility - Masterfile and Data Dictionary Reference</i>	Explains the structure of the E-SRF Masterfile and describes all Masterfile fields.
<i>Event Reporting Facility - Messages and Codes</i>	Lists Event Reporting Facility messages and codes.
<i>Event Reporting Facility - Report Overlays Guide</i>	An overview of the report overlays provided with the Event Reporting Facility.

Section 1. Messages and Codes

Introduction

E-SRF communicates to the user through its command processor. The command processor, as well as other E-SRF components, will post “messages” alerting the user to various situations with regard to processing status.

Completion Codes (codes) are posted at job termination. The only acceptable code is zero. Return code zero is the standard return code indicating the process has completed in a non-eventful manner. Any other code normally requires attention.

All messages and codes posted by the E-SRF Event Reporting Facility are described in this publication. For information on messages and codes related to Access Analysis Reports, see the Appendix in the Access Analysis Reports Guide for your Resident Security System.

You should not see most of the messages and codes described in this publication since they normally indicate internal errors. When internal errors occur, they are usually caused by one or more of the following reasons:

- Improper command syntax.
- An improperly defined VSAM cluster containing the E-SRF Masterfile.
- Improperly coded user-written report overlays or exits.
- “Usermods” or custom report overlays or exits written by EKC or other vendors specifically for your installation.
- Programming errors in the E-SRF product itself.

Message Format

Ennn-cccc message text

- “**E**” indicates the message came from the E-SRF Event Reporting Facility.
- “**nnn**” is a 3-digit number identifying the message.
- “**cccc**” is a component code following the message ID. Identical messages originating from more than one E-SRF component have the same meaning.
- “**message text**” follows the component code. Due to space limitations, an abbreviated message text is displayed. This publication may be used as a reference to help you further understand the meanings of E-SRF messages and how to react to the ones that may require your attention.

Reasons E-SRF Posts Messages

Event and status messages

- These messages appear every time you run E-SRF. They help you understand what E-SRF is doing and its execution status.

Syntactical and general operational warnings and errors

- Messages of this nature, alert you that something you are doing is incorrect or okay to do but unusual, such as the resetting of system control options. To resolve issues identified by a particular message, reference the message in this publication to find out what to do and apply the necessary corrective steps. If you do not understand what to do, refer to the *User Guide* for additional information.

VSAM problems

VSAM problems could include:

- Insufficient space, improperly defined cluster, or other file related matters.
- A corrupted E-SRF Masterfile. Masterfile data may become corrupted because of storage overlays, programming errors, undetected I/O errors, or non E-SRF programs accessing the Masterfile.

Corrupted E-SRF execution environment

The E-SRF execution environment consists of the Masterfile and all the E-SRF management modules making up the system. As with any computer application, any program running in the E-SRF address space, including the E-SRF management modules have the potential to corrupt virtual storage, successfully complete, and no longer be active. Later on, another segment of code where the corruption took place gets control with unpredictable results.

Improperly written user report overlay or exit

A user-written report overlay consists of program(s) written in assembler language which execute under E-SRF in the same manner as the ones supplied by EKC. Report overlays written by other vendors are considered user-written. Report overlays are programs, which could cause corruption of the E-SRF environment.

E-SRF programming errors

The E-SRF program product could contain programming errors. If this is the case, EKC will address the errors and provide temporary programming fixes as quickly as possible.

What to do about “strange” messages

When you get a message that indicates problems other than informational or syntactical, there is a potential for application level problems that could end up involving EKC technical support. In an effort to reduce the amount of time it takes to resolve the problem, as well as the number of calls made to EKC technical support, attempt to do the following:

- Get a thorough understanding of the problem by looking up the messages and referencing other parts of the E-SRF documentation such as the *User Guide*.
- To the best of your ability, attempt to determine if the error is user or product error related.
- Try to identify “what changed”.
- Remove any user-written report overlays or other exits and resubmit the failed request.

Do not print storage dumps for EKC unless they are specifically needed and requested. E-SRF Event Reporting System storage dumps can be quite large.

Asking for help

If it becomes necessary to call EKC for technical assistance as a result of one or more messages contained in this publication, be prepared to give supporting information pertinent to the condition(s) that were present when the message(s) were generated. This will enable the technician to assist you in a more efficient manner.

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Section 2. Common Messages

The following messages are “generic” in nature and may originate from any Event Reporting Component:

E050-cccc NON-ZERO RETURN: *return code*, **FUNCTION:** *function code*

Event: A call was made to a particular component of E-SRF to perform a function. During the processing of the function, something happened which was considered abnormal. This message acts as a summary of the preceding messages.

Action: Examine the previous messages to determine what the problem was and make the corrective actions based on those messages.

E051-cccc NON-ZERO RETURN: *return code*

Event: This message indicates the previous command was not properly executed. This message normally follows other messages that lead to the abnormality.

Action: Examine the previous messages to determine what the problem was and make the corrective actions based on those messages.

E052-cccc NON-ZERO RETURN: *return code*, **FUNCTION:** *function, item*

Event: This message indicates the previous function request was not properly executed. This message normally follows other messages that lead to the abnormality. The return code from the attempted function and the function code itself are posted as well as an additional related item.

This information is unique to individual requests.

Action: Examine the previous messages to determine what the problem was and make the corrective actions based on those messages. You may need to contact EKC Technical Support depending on the reason this message was posted.

E053-cccc UNKNOWN ESRF OBJECT SEGMENT

Event: An attempt was made to access an E-SRF object segment that does not exist. This is not a “no record found” condition. This message indicates an attempt to access a data structure (segment) that does not functionally exist in E-SRF.

Action: If this message came from the execution of a user-written report overlay, correct the overlay and re-execute the report. If this message came from any other situation, contact EKC Technical Support for assistance.

E054-cccc UNKNOWN ESRF OBJECT TYPE

Event: An attempt was made to access an E-SRF object type that does not exist. This is not a “no record found” condition. This message indicates an attempt to access an object within a valid segment that does not functionally exist in E-SRF.

Action: If this message came from the execution of a user-written report overlay, correct the overlay and re-execute the report. If this message came from any other situation, contact EKC Technical Support for assistance.

E055-cccc UNABLE TO LOCATE DATA DICTIONARY FOR IMAGE: *image id*

Event: E-SRF attempted to locate its internal Data Dictionary and it appears to be physically missing.

Action: This is a serious situation. E-SRF uses the Data Dictionary to locate and process every data element contained on the Masterfile.

If the IMAGE is SYSTEM:

This problem may occur if you are starting up a new VSAM cluster, and neglected to properly initialize it (using the INITIALIZE command). If this is the case, refer to the *User Guide* and follow the steps required to establish a Masterfile suitable for E-SRF processing.

If the image is other than SYSTEM:

One of the image dictionaries appears to be missing. The system dictionary contains all E-SRF system wide definitions. The individual IMAGE dictionaries contain the dictionary definitions relative to the particular IMAGE.

You may have to re-configure the named image to recover the dictionary.

In either case, you probably have a corrupted Masterfile. Attempt to determine what happened to your Masterfile and provide the corrective action. Check for other E-SRF abnormal messages of the current run, or previous runs.

To correct this situation, you must run the INITIALIZE command to rebuild the E-SRF portion of your dictionary and then run the SYNCHRONIZE command to augment the dictionary with elements describing data related to the Resident Security System itself.

E056-cccc DATA DICTIONARY APPEARS TO BE EMPTY

Event: E-SRF located its internal Data Dictionary and determined that it contained no elements.

Action: This is a serious situation. E-SRF uses the Data Dictionary to locate and process every data element contained on the Masterfile.

This type of situation should never occur. You probably have a corrupted Masterfile. Attempt to determine what happened to your Masterfile and provide the corrective action. Check for other E-SRF abnormal messages of the current run, or previous runs.

To correct this problem, refer to message E055.

E057-cccc INVALID OBJECT DATA LENGTH

Event: E-SRF determined that the current object length is incorrect.

Action: This is a serious situation. It could indicate an E-SRF product programming error or a corrupted Masterfile. Determine if the Masterfile has been corrupted. If it has, take corrective action. If it has not been corrupted, or you are not sure, contact EKC Technical Support for assistance.

E058-cccc STATIC STORAGE ALREADY PRESENT

Event: E-SRF management module's initialization routine attempted to obtain static storage and found that it already had it.

Action: This can only happen if the E-SRF initialization process was recursively executed. This is a symptom of other more serious problems. It could indicate an E-SRF product programming error, or a user-written report overlay or exit corrupted the E-SRF execution environment.

Determine if a user-written report overlay or exit was executed during the session. If so, determine if it caused the problem. If this was not the problem, or you are not sure, contact EKC Technical Support for assistance.

E059-cccc REQUIRED DDNAME: *ddname* NOT ALLOCATED

Event: E-SRF checked MVS internal control blocks to determine if the indicated DDNAME was allocated and determined that it was not.

Action: The action depends on the DDNAME. Generally, this means the proper DD JCL statement was omitted from the execution JCL, or the DDNAME was intended to be dynamically allocated which previously failed. Correct the problem either by supplying the proper DD JCL statement or correcting the dynamic allocation failure.

E060-cccc INVALID REQUEST BLOCK

Event: A request block was presented to the E-SRF component (named in the message) that could not be verified as being a proper control block. Assuming there were no user-written report overlays or exits executed during the current session this indicates an E-SRF programming error.

Action: If a user-written report overlay or exit was executed, remove it and rerun the job. If the problem persists, contact EKC Technical Support for assistance.

E061-cccc UNKNOWN FUNCTION CODE: *function code*

Event: A request block was presented to the E-SRF component (named in the message) that contains a function code identifying the particular function to execute which does not exist for the particular component. Assuming there were no user-written report overlays or exit executed during the current session this indicates an E-SRF programming error.

Action: If a user-written report overlay was executed, remove it and rerun the job. If the problem persists, contact EKC Technical Support for assistance.

E062-cccc MISSING OR INVALID PARAMETERS: *missing information*

Event: A request block was presented to the E-SRF component (named in the message) that requires one or more parameters. The parameters appear to be missing. Assuming there were no user-written report overlay or exit executing, it would appear to be an E-SRF programming error.

Action: Remove any user-written report overlay or exit and rerun the job. If the problem persists, contact EKC Technical Support for assistance.

E063-cccc EXCESSIVE MESSAGE POSTING FOR: *message ID*, FUTURE MESSAGES SUPPRESSED

Event: A non-critical situation is occurring that requires a message to be posted on the control report. This situation is occurring more times than is necessary to post the situation on the control report. This message informs you that no more messages of this type will appear for the duration of the current execution.

Action: The message ID of the message in question is posted in this message. Please refer to the message in question and perform the required action, if necessary, to rectify the situation.

E064-cccc REQUESTED FUNCTION HAS BEEN COMPLETED

Event: The requested function has been completed.

The nature of the function, its requester, and the facility rendering the service is not specified in this message. Other messages related to the event may be used to determine this information, should this information be required.

Action: This is an informational message requiring no further action.

Common Messages

E090-cccc EKC SITE ID: *EKC site ID*, ESRF SITE ID: *E-SRF site ID*

Event: The EKC site information is posted for your reference.

This information is unique to individual sites and may be used to identify a particular copy of this software. This information is used when attempting to provide Technical Support and there is a need to know more information about the history of the software being executed. This is particularly useful when organizations merge with others and carry their software over.

This information is only for reference and has no effect on the usability of this software.

It is possible that the information will appear as: !UNKNOWN. This should not be considered a problem. Service level maintenance will provide this information.

Your EKC customer number, (*if still required*), may be obtained from other sources.

If this information is requested by EKC Technical Support and it appears as: !UNKNOWN, feel free to inform EKC of this fact.

Action: This is an informational message requiring no further action.

Section 3. Command Processor Messages

The following messages are issued from a specific Event Reporting System Command Processor. These messages generally are posted as a result of commands you present to the command processor.

- See the *Command Reference* to assist you in resolving errors indicated by these messages.

E100-cccc FLUSH UNTIL NEXT MAJOR FUNCTION

Event: An error has occurred in the current command being presented to E-SRF for execution. The current command as well as all related sub-command and parameters will be flushed (*skipped over*) until the next VALID MAJOR COMMAND is detected.

Action: Correct the problem and re-execute the command if necessary.

E101-cccc LIST CAPACITY FULL

Event: A specification list has filled up and cannot hold any more specifications for the sub-command.

Action: E-SRF stores specifications in "lists" to be presented to other service programs. These lists may have been given excess capacity or no limit at all. Make sure the parameters are properly specified. For instance, the "FIELDS" specification should only contain the datanames you wish to be displayed on a particular report overlay. For example, specifying fifty datanames may be syntactically correct, but may result in either this error, or the report services component aborting the report due to exceeding the print line width for the report being produced.

Correct the problem and re-execute the request.

E102-cccc CACHE 'AUTOEXPAND' SET TO: *status*

Event: The status of the Masterfile Cache Facility's AUTOEXPAND feature has been altered to function in the following manner:

ACTIVE: The Cache AUTOEXPAND feature has been activated. All cache slot expand requests will be 'autoexpanded' on demand.

INACTIVE: The cache AUTOEXPAND feature has been disabled. All cache slot expand requests will be expanded to exactly what is required to store the owning Masterfile Object.

Action: This is an informational message. No further action is required. For more information of the Masterfile Caching facility, or the use of AUTOEXPAND, please refer to the *E-SRF Event Reporting Facility Command Reference*.

E103-cccc MISSING MASTERFILE OBJECT CODE

Event: The RETAIN command was presented without specifying the OBJECT sub-parameter.

Action: Correct the problem and re-execute the command if necessary.

E104-cccc RETAIN SPECIFICATION MADE WITHOUT DATA

Event: The RETAIN command was presented without specifying the DAYS and/or COMPRESS sub-parameter.

Action: Correct the problem and re-execute the command if necessary.

E105-cccc INVALID RETENTION DAYS SPECIFICATION

Event: The RETAIN command was presented with an incorrect DAYS sub-parameter.

Action: Correct the problem and re-execute the command if necessary.

E106-cccc UNKNOWN MASTERFILE OBJECT CODE

Event: The RETAIN command was presented with an OBJECT sub-parameter specifying a segment/type object that does not exist in E-SRF.

Action: Correct the problem and re-execute the command if necessary.

E107-cccc MAXIMUM COMPRESS MASKS LIMIT EXCEEDED

Event: The SET COMPRESS(*m,m,...,m*) command was presented with a list of masks greater than the limit imposed by the command processor.

Action: This command *adds* mask(s) to the existing list. The limit includes the masks previously defined. You may start the list with the RESET parameter (causing the existing list to be removed), followed by the complete list of the masks you currently wish to process with. The execution of the ESRFSHOW report overlay will list all masks currently specified. Correct the problem and re-execute the command if necessary.

E108-cccc INVALID MAXIMUM MASTERFILE ELEMENTS

Event: The SET ELEMENTS(*n*) command was presented with a value outside the valid range.

Action: Correct the problem and re-execute the command if necessary.

E109-cccc INVALID DATASET GROUPING CLASSNAME

Event: The SET DATASET(*classname*) command was presented with an invalid specification.

Action: Correct the problem and re-execute the command if necessary.

E110-cccc INVALID SOURCE GROUPING CLASSNAME

Event: The SET SOURCE(*classname*) command was presented with an invalid specification.

Action: Correct the problem and re-execute the command if necessary.

E111-cccc INVALID USERID GROUPING CLASSNAME

Event: The SET USERID(*classname*) command was presented with an invalid specification.

Action: Correct the problem and re-execute the command if necessary.

E112-cccc INVALID LINES PER PAGE SPECIFICATION

Event: The SET LINES(*n*) command was presented with an invalid specification.

Action: Correct the problem and re-execute the command if necessary.

E113-cccc INVALID MESSAGE TEXT TABLE SPECIFICATION

Event: The SET MESSAGES(*tablename*) command was presented with an invalid specification.

Action: Correct the problem and re-execute the command if necessary.

E114-cccc INVALID SMF RECORD SPECIFICATION

Event: The SET SMFTYPE(*SMF record id*) command was presented with an invalid specification.

Action: Correct the problem and re-execute the command if necessary.

E115-cccc ELEMENT: *dataname* NOT IN DICTIONARY

Event: A Data Dictionary *dataname* specified does not exist in the ESRF Masterfile data dictionary.

Action: Specify the correct *dataname* and re-execute the command if necessary.

E116-cccc 'LIMIT' MUST BE A NUMERIC VALUE

Event: The RUN LIMIT(*n*) command was presented with a non-numeric specification.

Action: Correct the problem and re-execute the command if necessary.

E117-cccc INVALID 'LINES' SPECIFICATION

Event: The RUN LINES(*n*) command was presented with an invalid specification.

Action: Correct the problem and re-execute the command if necessary.

E118-cccc OBJECT FORMAT NOT SUPPORTED

Event: The Data Dictionary specified a data format that is unknown to the command processor.

Action: Determine if a user-written report overlay or exit was executed during the session. If so, determine if it caused the problem. If this was not the problem, or you are not sure, contact EKC Technical Support for assistance.

E119-cccc INVALID RSS SPECIFIC DESCRIPTOR TEXT

Event: A Data Dictionary specification makes reference to a RSS (Resident Security System) specific data element. E-SRF maintains translation tables to allow a user to specify a RSS specific event for selection or reporting. After searching all tables for the target RSS, the descriptor did not match and therefore was considered an error.

Action: Specify the correct descriptor text and re-execute the command if necessary. A list of valid descriptor text is found in the *Event System Masterfile and Data Dictionary Reference* documentation. If the descriptor text was correct, contact EKC Technical Support for further assistance.

E120-cccc FIRST ARGUMENT (DATE) INVALID

Event: The date specified in the first operand of a WHEN statement was incorrect.

Action: See the *Command Reference* to determine the correct format, correct the problem and re-execute the command if necessary.

E121-cccc SECOND ARGUMENT (DATE) INVALID

Event: The date specified in the second operand of a WHEN statement was incorrect.

Action: See the *Command Reference* to determine the correct format, correct the problem and re-execute the command if necessary.

Command Processor Messages

E122-cccc ENCRYPTED DATA... CANNOT BE SPECIFIED

Event: The Data Dictionary element specified has a data format of “ENCRYPTED”, and therefore cannot be referenced for E-SRF processing.

Action: Remove the specification for this dataname and re-execute the command if necessary.

E123-cccc FIRST OPERAND MUST BE 'YES' OR 'NO'

Event: The Data Dictionary element specified has a format classified as “flag”. This particular format implies a “yes” or “no” state. Regardless of the flag’s usage, the proper specification must be “YES” or “NO”.

Action: Correct the problem and re-execute the command if necessary.

E124-cccc INVALID E-SRF DESCRIPTOR TEXT

Event: The descriptor text specified is invalid.

Review the specification against the documentation describing the function you are performing.

Action: Correct the problem and re-execute the command if necessary.

E125-cccc FIRST OPERAND NOT NUMERIC

Event: The first operand’s Data Dictionary element specified has a format classified as “numeric”. Due to the nature of this format, the proper specification must be numeric.

Action: Correct the problem and re-execute the command if necessary.

E126-cccc SECOND OPERAND NOT NUMERIC

Event: The second operand’s Data Dictionary element specified has a format classified as “numeric”. Due to the nature of this format, the proper specification must be numeric.

Action: Correct the problem and re-execute the command if necessary.

E128-cccc INSUFFICIENT PARAMETER SPACE

Event: There was insufficient input parameter space remaining to complete the parsing of the current parameterization statement.

Action: Correct the problem and re-execute the command if necessary. If you feel you received this message in error, please contact EKC technical Support for assistance.

E129-cccc OPERATOR UNKNOWN OR INVALID

Event: The RUN command’s “WHEN/AND/OR(....)” sub-command’s operation code is invalid.

Action: Correct the problem and re-execute the command if necessary.

E130-cccc TOO MANY SUB-PARAMETERS

Event: Too many sub-parameters were specified on the current command or sub-command.

Action: See the *Command Reference* to determine the syntax and parameterization of the current command. Correct the problem and re-execute the command if necessary.

E131-cccc IMPROPER ELEMENT BRACKETING

Event: The bracketing syntax is invalid for the current (sub) command.

Action: This is a syntax error. See the *Command Reference* to determine the proper syntax for the current statement. Correct the problem and re-execute the command if necessary.

E132-cccc ELEMENT WIDTH EXCEEDED

Event: The text contained in the current argument is too long.

Action: The argument text length may vary depending on the command causing the error. See the *Command Reference* to determine the proper text length for the current statement. Correct the problem and re-execute the command if necessary.

E133-cccc MUST BE 'RETAIN' OR 'TRUNCATE'

Event: The SET GDG(...) command was presented with an invalid specification.

Action: See the *Command Reference* to determine which of these options you desire. Correct the problem and re-execute the command if necessary.

E134-cccc INVALID GROUPING OVERRIDE

Event: The "OPTION GROUPING" override request must specify a valid grouping option.

Action: See the *Command Reference* to determine which of these options you desire. Correct the problem and re-execute the command if necessary.

E135-cccc EXTERNAL GROUPING HAS BEEN REINSTATED

Event: The "OPTION GROUPING(EXTERNAL)" specification was made to enable external grouping. External grouping control will be established on demand when required.

Action: This indicates full-grouping facilities will be invoked for the remainder of the E-SRF execution. Group references will use the groupname provided by the External Grouping Facility. This is an informational message that requires no further action.

E136-cccc GROUPING WILL DEFAULT TO CLASS NAME

Event: The "OPTION GROUPING(class)" override request was made and has been initiated.

Action: This message indicates group structures will be built, however the Resource Grouping Facility will not be invoked for the remainder of the E-SRF execution. Group references will be \$ESRF.classname (classname = resource CLASS). This is an informational message that requires no further action.

E137-cccc GROUPING HAS BEEN DISABLED

Event: The OPTION GROUPING(NONE) override request was made and has been initiated.

Action: This indicates group structures will not be built for the remainder of the E-SRF execution. Group references will be \$ESRF.NOGROUPING. This is an informational message that requires no further action.

E138-cccc CANNOT REDUCE MAXIMUM ELEMENTS

Event: The attempt was made to reduce the maximum object array element specification. This is not possible in the current release of E-SRF. The request was ignored.

Action: Once the object element capacity is set, it may be enlarged, but not reduced. If it is mandatory that the element capacity be reduced, a new Masterfile will have to be initiated with the lower ELEMENT value. The required data must then be applied to make the Masterfile current.

E139-cccc TIME FORMAT MUST BE 'STANDARD' OR 'MILITARY'

Event: The time formatted in reports may be specified in either 'standard', a twelve-hour clock with AM and PM notation, or 'military' offering a twenty-four-hour clock including seconds. Neither format was specified.

Action: Pick the desired format and correctly specify it to the Command Processor.

E140-cccc KEYWORD EXCEEDED MAXIMUM LENGTH

Event: The indicated command keyword exceeded the maximum character string length.

Action: Correct the problem and re-execute the command if necessary.

E141-cccc KEYWORD NOT SPECIFIC ENOUGH

Event: The indicated command keyword was abbreviated too much making it match two or more keywords within the current keyword set.

Action: The E-SRF Command Processor allows you to abbreviate keywords by shortening them. The minimum number of keyword characters that must be supplied is enough to make the keyword unique from any other in the CURRENT KEYWORD SET for the current command. This means if a MAJOR command is being entered, it must be unique enough not to confuse it with another major command. Correct the problem and re-execute the command if necessary.

E142-cccc UNKNOWN KEYWORD

Event: The indicated command keyword was not found in the current keyword set.

Action: Correct the problem and re-execute the command if necessary.

E143-cccc MASKED COMPARE INVALID FOR NON-CHARACTER DATA

Event: A "masked" compare was requested for an E-SRF data item that was not "*character*" format. It is not possible to properly execute a masked compare against non-character data and render a correct result.

Action: Correct the problem and re-execute the command if necessary.

E144-cccc ELEMENT TEXT LENGTH EXCEEDED

Event: The indicated element information is syntactically too long.

Action: See the *Command Reference* to determine how long the character string for the current command element may be. Correct the problem and re-execute the command if necessary.

E145-cccc TOO MANY ELEMENTS SPECIFIED IN LIST

Event: The current command required a list of items. There were too many items in the list.

Action: See the *Command Reference* to determine how many items may be supplied in the list for the current command. Correct the problem and re-execute the command if necessary.

E146-cccc INVALID DISTRIBUTION SPECIFICATION

Event: The "RUN DISTRIBUTION(...)" sub-command was issued without a valid option specified.

Action: The only valid options are "GROUP", "OWNER" or "NONE". Omitting the DISTRIBUTION sub-command defaults to "NONE".

E147-cccc CANNOT PROCESS... GROUPING NOT AVAILABLE

Event: Requested function cannot be performed because grouping was not available in the current execution of the request.

Action: Normally, subsequent processing will continue unless this function MUST be performed. Grouping may not be available, or turned off for the current execution.

You may have, initially, intentionally turned off grouping, or grouping may not be available due to issues between the Event Reporting System and the EKC Integrated Resource grouping facility. If this function must be performed, make sure grouping is available for this execution and re-submit the request.

E148-cccc REPORT COMPLETED, RETURN CODE: *return code*

Event: This message confirms the completion of a report overlay execution. The return code is presented by report services indicating the highest encountered return code for the execution of the report overlay.

Action: This is an informational message requiring no further action.

E149-cccc INVALID OR UNKNOWN REPORT COMMON SERVICES VECTOR

Event: The E-SRF report production components and the report overlay communicate using the Report Services Vector. Somewhere during the report production process, the Report Services Vector was corrupted.

Action: This is more than likely a programming error either in E-SRF or the current executing report overlay. Remove any user exits or user-written report overlays and re-execute the command producing this message. If the problem persists, contact EKC Technical Support for assistance.

E150-cccc 'COUNT' MUST BE A NUMERIC VALUE

Event: The RUN COUNT(n) command was presented with a non-numeric specification.

Action: Correct the problem and re-execute the command if necessary.

E151-cccc INVALID 'WHEN' REQUEST DETECTED

Event: The Command Processor called the Report Control Program (RCP) to validate and pre-process a WHEN request. RCP determined that the request was in error.

Additional messages may precede this message detailing the nature of the problem.

Action: Correct the problem and re-execute the command if necessary.

E152-cccc REPORT WIDTH MUST BE FROM 80 TO 255

Event: A report width was specified that did not conform to the specifications of a proper report width: from 80 to 255 characters wide.

Action: Correct the problem and re-execute the command if necessary.

E153-cccc DEBUG EVENT LIMIT MUST BE NUMERIC

Event: The debug facility was invoked with a limit value set. The limit must be a numeric value.

Action: Correct the problem and re-execute the command if necessary.

E154-cccc DATE IS NOT IN A VALID FORMAT

Event: A Gregorian date was specified in the incorrect format. The proper format is MM/DD/YY:

MM Calendar month from 01 to 12 (*leading zero is required*)

DD Day of the month (*leading zero is required*).

YY Year. Must be a value from 00 to 99 (*leading zero is required*)

00 - 49 will be considered 20ⁿⁿ (21st century)

50 - 99 will be considered 19ⁿⁿ (20th century)

Action: Correct the problem and re-execute the command if necessary.

E155-cccc *specification* DATE SET TO: *date*

Event: This message displays the result of setting a date parameter within E-SRF. "*Specification*" indicates the actual specification date that was the target of the change. "*Date*" is the actual Gregorian date that will now be in effect.

Action: This is an informational message requiring no further action.

E156-cccc INVALID OR UNKNOWN SPECIFICATION

Event: A command was entered which required a specific type of sub-parameter, such as YES/NO or some other absolute value. Either the sub-parameter was missing or was improperly specified.

Action: Look up the command in the *Event System Command Reference* manual and supply the proper sub-parameter to the command being executed. Correct the problem and re-execute the command if necessary.

E157-cccc INVALID EXTERNAL MASKING INITIALIZATION CALL

Event: When a "mask" type "WHEN/AND/OR" request is made, the supplied mask is parsed out into individual qualifier elements (each delimited with a period). A call is made to the EKC integrated masking support routine to create the individual qualifier mask. The first time this is done, the facility is initialized. The initialization of this component has failed.

Action: This should not occur. Make sure your mask follows proper syntax. Insure the product was properly installed (*examine the LINK-EDIT for ESRF\$CRT*). There may not be any unresolved address constants. Correct the problem and re-execute the command if necessary. If the problem persists, or you are unsure how to resolve this, please contact EKC Technical Support for assistance.

E158-cccc INVALID EXTERNAL GROUPING 'SYSID' OPTION

Event: The "SYSID" Integrated Resource Grouping Facility keyword may be used to further group resources or not be used at all. The chosen specification was invalid.

Action: Refer to the *Event System Command Reference* to determine the correct specification. Make the correction and re-submit the request if required to do so.

E159-cccc INVALID UPDATE 'EXCLUDE' OPTION

Event: The "EXCLUDE" update control may be used to control the ability of the E-SRF Update Function to *exclude* certain journalized update activity from being applied to the Masterfile. The chosen specification was invalid.

Action: Refer to the *Event System Command Reference* to determine the correct specification. Make the correction and re-submit the request if required to do so.

E160-cccc NO PRIOR UPDATE INFORMATION PRESENT... CANNOT HONOR THIS REQUEST

Event: The specification being processed needed information from the “*update history*” contained on the Masterfile. There appears to be no update history.

Action: Make sure the command entered is really required. If it is, make sure that the Masterfile associated with the current E-SRF execution job is in fact valid. Make the correction and re-submit the request if required to do so.

E161-cccc USER EXTERNAL GROUPING HAS BEEN DISABLED FOR THIS RUN

Event: The OPTION GROUPING(NOUSER) specification was made to disable USERID grouping for the current E-SRF execution job.

Action: The next reference to a particular *USERID* group will result in a “default” groupname, which would have no value. The purpose is to eliminate the overhead of building grouping control information for USERS contained on the Masterfile when fact userid grouping is not required. This may have been useful in previous releases to reduce overhead, but longer needed for this reason from release 2.1 forward.

E162-cccc USER EXTERNAL GROUPING HAS BEEN REINSTATED FOR THIS RUN

Event: The OPTION GROUPING(USER) specification was made to re-instate USERID grouping for the current E-SRF execution job.

Action: The next processing request that requires *USERID* grouping will cause the Userid grouping structures to be built. After which, a reference to a particular USERID group will result in a groupname provided by the Integrated Resource Grouping Facility.

E163-cccc SOURCE EXTERNAL GROUPING HAS BEEN DISABLED FOR THIS RUN

Event: The OPTION GROUPING(NOSOURCE) specification was made to disable SOURCE ID grouping for the current E-SRF execution job.

Action: The next reference to a particular *SOURCE* group will result in a “default” groupname, which would have no value. The purpose is to eliminate the overhead of building grouping control information for SOURCES contained on the Masterfile when in fact userid grouping is not required. This may have been useful in previous releases to reduce overhead, but longer needed for this reason from release 2.1 forward.

E164-cccc SOURCE EXTERNAL GROUPING HAS BEEN REINSTATED FOR THIS RUN

Event: The OPTION GROUPING(SOURCE) specification was made to re-instate SOURCE ID grouping for the current E-SRF execution job.

Action: The next processing request that requires *SOURCE* grouping will cause the SOURCE grouping structures to be built. After which, a reference to a particular SOURCE ID group will result in a groupname provided by the Integrated Resource Grouping Facility.

E165-cccc *first/second* ARGUMENT "TIME" INVALID, REASON: *code*

Event: A “time” specification was made and was found to be in error.

Action: The error was either in the first or second operand, as indicated in the message. The error code will help you determine the nature of the error. Correct the error and re-run the job if necessary. Please refer to Appendix B of this publication for detailed information on the various reason codes returned during the TIME validation process.

E166-cccc DATE FORMAT MUST BE 'INTERNATIONAL' OR 'USA'

Event: The specification indicating the display format of DATE information was incorrect.

Action: You must decide how you want your dates to be formatted and properly specify this information. Please refer to the *Event System Command Reference* for information regarding date formats. Correct the specification and re-run the job if required to do so.

E167-cccc INVALID COMPRESSION ALGORITHM SPECIFIED

Event: The RETAIN COMPRESS(*algorithm*) specification is invalid.

Action: The specification remains unchanged. Correct the error and resubmit the command if required.

E168-cccc SYSTEM DATE AND TIME FROZEN TO CURRENT

Event: The OPTION SYSTEMDATE(FREEZE) specification was supplied to the current execution. The current Operating System date and time information was obtained and frozen for subsequent command processing for this execution. The date and time will not change for the duration of the E-SRF Command processor execution, or until an OPTION SYSTEMDATE(UPGRADE) is detected.

Action: This is an informational message requiring no further action.

E169-cccc SYSTEM DATE AND TIME WILL UPGRADE

Event: The OPTION SYSTEMDATE(UPGRADE) specification was supplied to the current execution. The current Operating System date and time information was obtained and controls have been established to allow this information to be upgraded on demand throughout the current execution.

Action: This is an informational message requiring no further action.

E170-cccc INVALID "CTLCHAR" PRINTER CONTROL SPECIFICATION

Event: A request to specify a particular printer control character (CTLCHAR) option was incorrectly made. Please refer to the *E-SRF Event Reporting Facility Command Reference* for more information on the proper usage and settings of this specification.

Action: Correct the above error and re-submit the request if necessary.

E171-cccc INVALID "LINEMODE" SPECIFICATION

Event: A request to specify a particular report line mode (LINEMODE) option was incorrectly made. Please refer to the *E-SRF Event Reporting Facility Command Reference* for more information on the proper usage and settings of this specification.

Action: Correct the above error and re-submit the request if necessary.

E172-cccc FIRST OPERAND INVALID FOR FORMAT TYPE

Event: A request to process 'nibblized' data was made. The data contained in the first operand was not consistent with the standard hexadecimal nibblized format. Please refer to the *E-SRF Event Reporting Facility Command Reference* for more information on the proper specification of this type of data.

Action: Correct the above error and re-submit the request if necessary.

E173-cccc SECOND OPERAND INVALID FOR FORMAT TYPE

Event: A request to process 'nibblized' data was made on the second operand. The data contained in the second operand was not consistent with the standard hexadecimal nibblized format. Please refer to the *E-SRF Event Reporting Facility Command Reference* for more information on the proper specification of this type of data.

Action: Correct the above error and re-submit the request if necessary.

E174-cccc ATTEMPT TO ADD DUPLICATE "HIDE" DATAMAME

Event: A request to add a dataname to be "hidden" from ESRF reports was made which already was contained on the Masterfile.

Action: Correct the above error and re-submit the request if necessary.

E175-cccc "HIDE" LIST CAPACITY EXCEEDED

Event: A request to add a dataname to be "hidden" from ESRF reports was made which cannot be processed because the current list of hide datanames list is full.

Action: Correct the above error and re-submit the request if necessary. If you feel the entries in your current list are required and additional entries are needed, please contact EKC Technical Support for assistance.

E176-cccc ATTEMPT TO REMOVE A NON-EXISTING "HIDE" DATANAME

Event: A request to remove a dataname from the "hidden" dataname list and the specified name was not currently contained in that list.

Action: Correct the above error and re-submit the request if necessary.

E177-cccc INVALID "HIDE" MAINTENANCE ATTEMPT

Event: A request was made to maintain your "HIDE" dataname list and was made incorrectly. This is a "catch-all" message.

Action: Either the format or a specified OPTION was incorrect. Correct the above error and re-submit the request if necessary.

Please refer to the *E-SRF Event Reporting Facility Command Reference* for information. If you feel you cannot correct this error, or are not sure how to, please contact EKC Technical Support for assistance.

E178-cccc HIDDEN FIELD: *fieldname* SPECIFICATION DETECTED

Event: During E-SRF report processing, a specification was made which references a dataname contained on the "HIDE" list. The specification is ignored.

Action: This is an information al message and no action is required. If the field was incorrectly specified, correct the specification and re-execute the request.

If this field must be processed, you must adjust your "HIDE:" dataname list.

E179-cccc INVALID POOLED STORAGE OPTION SPECIFIED

Event: An invalid specification was made to alter the default location of "POOLED" storage.

Pooled storage is unique to this product. The main usage of this storage class is to contain the Masterfile's Level 2 cache (when specified). Prior to release 1.6, this storage resided in the same address space that hosts the current execution. Effective in release 1.6, pooled storage was moved into a secondary Data-Only address space as a means to address potential Virtual Storage Constraint Relief (VSCR) issues. This was further extended in release 2.1

Placing the storage in a secondary address space does not increase the storage usage or execution time. You can run this product either way. The product has been optimized to use Data-Only address spaces and is the recommended way to run. Please refer to the *E-SRF Event Reporting Command Guide* to learn more about the rationale of this option.

You may have had a good reason to change the default pooled storage location, but incorrectly specified the command to do so.

Action: You should never alter the location of the pooled storage area unless you have a site related reason for doing so, or told to do so by EKC Technical Support.

First, determine why this is being attempted, and then determine what you are doing incorrectly. Please refer to the *E-SRF Event Reporting Command Guide* for additional information. Please contact EKC Technical Support for more information if you feel this is necessary.

E180-cccc MASTERFILE UPDATE IN PROGRESS

Event: This message indicates the Masterfile Update Function has begun.

Action: This is an informational message requiring no further action.

E181-cccc STEPDOWNS WILL BE ACCEPTED

Event: This message indicates the E-SRF Update Control Program will accept step-down update activity. This message is posted if the STEPDOWN attribute was set in the command to initiate the current update function. STEPDOWN processing should be in effect and is the operational default. This message should always appear during the Update Function. The decision to alter the STEPDOWN attribute is made after carefully reviewing the step-down condition and how it applies to your operating environment.

Action: This is an informational message requiring no further action.

E182-cccc UPDATE COMPLETED, RETURN CODE: *return code*

Event: This message confirms the completion of the current Update Function. The function's return code was presented (by the Update Control Program) indicating the highest return code encountered for the execution of the current update.

Action: This is an informational message requiring no further action.

E190-cccc SPECIFICATION *specification* IS OBSOLETE AND WILL BE IGNORED

Event: This message indicates that a valid specification *from a previous release* was specified that no longer applies to the current release. The specification will be ignored.

Action: This message is posted to inform you that the specification is no longer needed and will not be processed. Because it was valid previously, it will not be considered an error in this release. It is recommended that you remove this from your command input whenever possible.

E191-cccc COMMAND PROCESSOR EXECUTION TERMINATING

Event: This message confirms the initiation of Command Processor shutdown sequence.

Action: For the reason posted in previous messages, the E-SRF Command Processor is starting its shutdown sequence. This is an informational message requiring no further action.

E192-cccc END OF COMMAND INPUT DETECTED

Event: The Command Processor has detected an “end of command input” condition.

Action: This is an informational message requiring no further action.

E193-cccc END OF PREVIOUS ERROR FLUSH

Event: The Command Processor detected a valid major function after a previous command error. Command processing is resumed at this point until another command error or end of input is detected.

Action: This is an informational message requiring no further action.

E194-cccc RETURN CODE WAS ELEVATED TO: *return code*

Event: The Command Processor has detected an elevation of the current overall return code for this E-SRF command session. This message is posted to indicate where this event took place.

Action: This is an informational message requiring no further action.

E195-cccc REPORT RELATED STORAGE BEING FORCED RELEASED

Event: The Command Processor released storage acquired by the report overlay. This should never happen because report overlays should return any storage requested before issuing its termination call. If this message appears, it is an indication of either a report overlay programming error, or a report termination error. Previous messages should indicate the original problem.

Action: This is an informational message requiring no further action. The system recovered from the error by releasing the storage after the report completed its execution.

Because this is an error recovery action, you may want to report this to EKC Technical Support for a better resolution.

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Section 4. Object Maintenance Processing

The following messages are issued from the Event Reporting System Object Alter Request Processor.

E202-cccc FIELD NOT SUPPORTED BY ARP: *dataname*

Event: The data (*named by the indicated Data Dictionary dataname*) cannot be modified by the “Alter Request Processor”, using this command.

Action: Due to the nature of this product and the type of data contained on the Masterfile, many data items cannot be modified. Correct the problem and re-execute the command if necessary.

E203-cccc FIELD LENGTH ERROR: *dataname*

Event: The indicated Data Dictionary *dataname* contains an invalid length.

Action: This message will only appear if the Data Dictionary has been corrupted. Remove any user exits or user-written report overlays and re-execute the command producing this message. If the problem persists, contact EKC Technical Support for assistance.

E204-cccc DATA MUST BE NUMERIC: *dataname*

Event: The indicated Data Dictionary *dataname* is representing a numeric field. The data supplied is not numeric.

Action: Correct the problem and re-execute the command if necessary.

E205-cccc UNKNOWN DATA ELEMENT: *dataname*

Event: The indicated Data Dictionary *dataname* does not exist in the Data Dictionary.

Action: If the *dataname* is truly invalid, correct the command and re-execute the command if necessary. If the *dataname* is valid, the Data Dictionary has been corrupted. Remove any user exits or user-written report overlays and re-execute the command producing this message. If the problem persists, contact EKC Technical Support for assistance.

E206-cccc CANNOT MODIFY ARRAY ELEMENT: *dataname*

Event: The indicated Data Dictionary *dataname* belongs to a repeating Masterfile array element and cannot be modified.

Action: Due to the nature of this product, many data items cannot be modified. Array data represents actual security event data and therefore cannot be modified.

E207-cccc OBJECT TO BE ALTERED DOES NOT EXIST

Event: The target E-SRF Masterfile object does not exist.

Action: Correct the problem and re-execute the command if necessary.

E208-cccc NON-ZERO RETURN FROM OBJECT READ, RC: *return code*

Event: An attempt was made to read a Masterfile object that resulted in a non-zero return code.

Action: This is an E-SRF internal problem. Examine possible other related errors and correct accordingly. If the problem persists, contact EKC Technical Support for assistance.

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E209-cccc NON-ZERO RETURN FROM OBJECT UPDATE, RC: *return code*

Event: The indicated Data Dictionary dataname cannot be modified using this command.

Action: Due to the nature of this product, many data items cannot be modified. Correct the problem and re-execute the command if necessary.

E210-cccc OBJECT HAS BEEN ALTERED, LENGTH: *length*

Event: The target E-SRF Masterfile object has been altered by this process. The resulting object length is posted in the message.

Action: This is an informational message requiring no further action.

E211-cccc MODEL DOES NOT EXIST... ABORTED

Event: The specified MODEL object does not exist on the Masterfile.

Action: The request was aborted. Correct the problem and re-execute the command if necessary.

E212-cccc NON-ZERO RETURN FROM MODEL "OBTAIN", RC: *return code*

Event: An attempt was made to read a Masterfile object to "obtain" the specified MODEL that resulted in a non-zero return code.

Action: Examine possible other related errors and correct accordingly. This may be an internal programming error in the product. If the problem persists, contact EKC Technical Support for assistance.

E213-cccc UNABLE TO OBTAIN MODEL INSERT STORAGE

Event: The Event Reporting System's Alter Request Processor was unable to obtain enough virtual storage to store the specified MODEL.

Action: The "GETMAIN" to request virtual storage failed. This is an indication of a general storage shortage within the E-SRF executing address space. Normally, the correction is to increase the "REGION" MVS Job Control specification and re-run the job. Correct the problem and re-execute the command if necessary.

E214-cccc ARRAY OBJECT CANNOT BE INSERTED

Event: The indicated Data Dictionary dataname belongs to a repeating data array and cannot be inserted.

Action: Due to the nature of this product, many data items cannot be modified. Array data represents actual security event data and therefore cannot be inserted.

E215-cccc OBJECT ALREADY EXISTS

Event: The target "INSERT" object already exists on the Masterfile.

Action: Correct the problem and re-execute the command if necessary.

E216-cccc NON-ZERO RETURN FROM OBJECT INSERT, RC: *return code*

Event: An attempt was made to insert a Masterfile object that resulted in a non-zero return code.

Action: Examine possible other related errors and correct accordingly. This may be an internal programming error in the product. If the problem persists, contact EKC Technical Support for assistance.

E217-cccc OBJECT HAS BEEN ADDED, LENGTH: *object length*

Event: The target E-SRF Masterfile object has been added to the Masterfile by this process. The resulting object length is posted in the message.

Action: This is an informational message requiring no further action.

E218-cccc OBJECT TO BE DELETED DOES NOT EXIST

Event: The target E-SRF Masterfile object to be deleted does not exist on the Masterfile.

Action: Nothing happened. If this is not acceptable, correct the problem and re-execute the command if necessary.

E219-cccc NON-ZERO RETURN FROM OBJECT DELETE, RC: *return code*

Event: An attempt was made to delete a Masterfile object that resulted in a non-zero return code.

Action: This is E-SRF internal problem. Examine possible other related errors and correct accordingly. If the problem persists, contact EKC Technical Support for assistance.

E220-cccc OBJECT HAS BEEN DELETED

Event: The target object has been deleted from the Masterfile.

Action: This is an informational message requiring no further action.

E221-cccc OBJECT NOT ALTERED DUE TO ERRORS

Event: Summary message, which resulted from other errors encountered while altering a Masterfile object. The return code was elevated to 8.

Action: This is an informational message requiring no further action.

E222-cccc OBJECT NOT ALTERED DUE TO NO CHANGES

Event: No changes have been specified, therefore, the update of the object was not performed.

Action: This is an informational message requiring no further action.

E223-cccc SPECIFIED 'MODEL' WAS IGNORED

Event: The requester specified a MODEL for an operation that a model does not apply to. The model specification was ignored, but not considered an error.

Action: This is an informational message requiring no further action.

E224-cccc FULL SEGMENT DELETE REQUESTED

Event: The requester specified a DELETE request with the keyword '!ALL' specified as the target object. When !ALL is detected, the entire contents of the segment with the exception of the DEFAULT objects are purged from the Masterfile.

This type of action is normally performed when the entire segment data compliment is applied to the Masterfile during a subsequent maintenance run.

Action: This is an informational message requiring no further action.

E225-cccc CANNOT DELETE SPECIFIED SEGMENT

Event: The requester specified a DELETE request with the keyword '!ALL' specified as the target object. When !ALL is detected, the entire contents of the segment with the exception of the DEFAULT objects are purged from the Masterfile. The purge process is currently limited to the GROUP and OWNER segments of the Masterfile.

Action: The request was terminated. Make sure you correctly identify the segment you intend to purge. You cannot purge segment not supported by this facility.

E226-cccc CANNOT DELETE 'DEFAULT' OBJECT

Event: The requester specified a DELETE request with the keyword '!ALL' specified as the target object. When !ALL is detected, the entire contents of the segment with the exception of the DEFAULT objects are purged from the Masterfile. The purge process detected a DEFAULT object for the target segment. DEFAULT object(s) cannot be deleted with this facility.

Action: This is an informational message and requires no further action. The purge function was performed, except the DEFAULT object(s) were retained.

E227-cccc SEGMENT READ: *object count*, OBJECTS DELETED: *delete count*

Event: The requester specified a DELETE request with the keyword '!ALL' specified as the target object. When !ALL is detected, the entire contents of the segment with the exception of the DEFAULT objects are purged from the Masterfile

The purge process has completed. The object count represents the number of objects detected in the segment. The delete count represents the total objects deleted from the segment.

It is not unusual for the deleted count to be less than the object count. This function will not delete DEFAULT objects.

Action: This is an informational message and requires no further action. The purge function was performed. Look over all messages associated with your command to make sure all objects and deleted objects are accounted for.

E228-cccc REMOVING DOMAIN: *domain ID* FROM THE ESRF MASTERFILE

Event: The request was made to remove an entire DOMAIN from the E-SRF Masterfile. .When this function completed, all event data elements and other control information will no longer exist on the Masterfile, as per specifications.

Please refer to the *E-SRF Event Reporting System Command Reference* for more information on the scope of the REMOVE DOMAIN function.

Action: This is an informational message and requires no further action.

E229-cccc REMOVING IMAGE: *image ID* FROM THE ESRF MASTERFILE

Event: The request was made to remove an entire IMAGE from the E-SRF Masterfile. When this function is completed, all event data elements and other control information will no longer exist on the Masterfile, as per specifications.

Please refer to the *E-SRF Event Reporting System Command Reference* for more information on the scope of the REMOVE IMAGE function.

Action: This is an informational message and requires no further action.

E230-cccc ATTEMPTING TO RENAME IMAGE: 'image ID' TO: 'image ID'

Event: The request was made to rename an entire IMAGE from one name to a new unique new IMAGE name on the E-SRF Masterfile. When this function is successfully completed, all event data elements and other control information will be retained on the Masterfile but will be referenced by the new IMAGE ID.

Please refer to the *E-SRF Event Reporting System Command Reference* for more information on the scope of the RENAME IMAGE function.

Action: This is an informational message and requires no further action.

E231-cccc NEW IMAGE ID: 'image ID' INVALID OR ALREADY EXISTS

Event: The request was made to rename an entire IMAGE from one name to a new unique new IMAGE name on the E-SRF Masterfile. It was determined that either the new IMAGE ID already exists on the Masterfile, or the chosen name is in violation of rules that govern the construction of IMAGE IDs.

Please refer to the *E-SRF Event Reporting System Command Reference* for more information on the scope of the RENAME IMAGE function.

Action: This is an error and if the RENAME is still required, must be corrected.

E232-cccc OBJECTS READ: count, OBJECTS RENAMED: count

Event: The request was made to perform RENAME maintenance on objects contained on the Masterfile. This message is posted to inform you how many objects were read and how many out of those read were actually renamed.

Please refer to the *E-SRF Event Reporting System Command Reference* for more information on the scope of the RENAME IMAGE function.

Action: This is an informational message and requires no further action.

E233-cccc FLAG FIELD MUST BE YES OR NO: dataname

Event: The request was made to a "flag" data item which the data was not either "yes" or "no". Flag fields regardless of how they are used must either be "yes" or "no".

Action: Correct the error and resubmit the request if necessary.

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Section 5. Common Routines Messages

The following messages are issued from the Event Reporting System Common Routines program.

E275-cccc LOADING MODULE: *program name*

Event: A request was made to have the E-SRF program loader load the specified program (load module) into virtual storage for subsequent execution.

Action: This is an informational message requiring no further action.

E276-cccc UNABLE TO LOAD REQUESTED MODULE, ABEND: *code*, REASON: *code*

Event: The E-SRF program loader is attempting to load a program into virtual storage on behalf of and for the use of the calling facility. The LOAD operation failed.

Action: Part of the E-SRF program load routine is the act of bringing a particular load module into virtual storage. Program loading is a function of the host operating system (MVS), so E-SRF uses the LOAD MVS facility for this purpose.

If the load failed, it was either because there was not enough virtual storage left in the region to load the program into, or the program does not exist in the load library concatenation for the current E-SRF execution. The MVS LOAD service call's ABEND code, and its reason code are included in the message to assist you in determining why the load failed. Correct the problem and re-execute if required.

E277-cccc CMC PROCESSING ERROR, FUNCTION: *function*, REASON: *code*

Event: E-SRF Event Reporting System uses the EKC Integrated Masking facility to match up individual resource name "qualifiers" using Compare Masked Characters (CMC) logic. An error occurred while using this facility.

Action: This situation should never occur. Make sure E-SRF was installed correctly. Insure any available maintenance was also properly applied. If the problem persists, contact EKC Technical Support for assistance.

E280-cccc * E-SRF TERMINATION *abend code* HAS BEEN REQUESTED *****

Event: This message is the culmination of other messages that were so severe that the current E-SRF execution must be terminated.

Action: Evaluate all other messages and attempt to resolve the problem(s). If you cannot or are not sure how to resolve this, please contact EKC Technical Support for assistance.

E285-cccc INVALID STATISTICAL CONTROL CHARACTER DETECTED

Event: A call was performed to produce report statistics with a statistical element table that contains at least one invalid control character. The formatting of the statistical table has been terminated.

Action: This is a programming error, either in a user-written report overlay program, a user exit, or within E-SRF itself. Remove all user-written report overlays and exits and re-execute the report. If the problem persists, contact EKC Technical Support for assistance.

E286-cccc STATISTICAL LINE TOO LONG

Event: A call was performed to produce report statistics with a statistical element table which contains at least one text line that was 128 characters or longer. The formatting of the statistical table has been terminated.

Action: This is a programming error, either in a user-written report overlay program, a user exit, or within E-SRF itself. Remove all user-written report overlays and exits and re-execute the report. If the problem persists, contact EKC Technical Support for assistance.

Section 6. Group Control Messages

The following messages are issued from the E-SRF Group Control Program (GCP). GCP is used to create and manage all Event Reporting System group structures within a specific execution. GCP interfaces with the EKC Integrated Resource Grouping Facility to associate group names resources.

E300-cccc UNABLE TO RECOGNIZE GRB (GROUP REQUEST BLOCK)

Event: A call was made to the Group Control Program (GCP). GCP was unable to recognize the caller's request block.

Action: This is more than likely an internal E-SRF programming error. Contact EKC Technical Support for assistance.

E301-cccc BUILDING GROUP STRUCTURES, MODE: *buildmode*

Event: A function is about to be executed that has the potential to use the Event Reporting System's group structures. This message indicates the Group Control Program is building the group structures. Group structures are dynamically configured on demand, using the most up to date grouping information available from either the Masterfile grouping information or the EKC Integrated Resource Grouping Facility directly.

COLD: The group structures are built using the EKC Integrated Grouping Facility's grouping rule object file associated with this execution.

WARM: The group structures are built using information stored on the Masterfile on the Masterfile from the last COLD start that was performed. WARM start is preferred because it is much quicker to perform than a COLD start. A WARM start will occur if ESRF determines that the existing Masterfile group structures still reflect correct grouping. If the rule object file has changed, or a different object file is used since the last COLD start, a COLD start will automatically be initiated.

Action: This is an informational message requiring no further action.

E302-cccc GROUP STRUCTURES HAVE BEEN RELEASED

Event: It has been determined that the group structures previously built are no longer needed, or are no longer up to date. The structures, and their resources are released. The system continues to operate without group structures until they are required again.

What is being released are the reference tables required to provide demand grouping. The physical grouping structures stored on the Masterfile will remain on the Masterfile until the next COLD start is initiated.

Action: This is an informational message requiring no further action.

E303-cccc UNKNOWN GROUP SUB-STRUCTURE

Event: A request to build a particular group sub-structure presented to the Group Control Program is invalid or unknown. The current valid group sub-structures are: RESOURCE, SOURCE and USER.

Action: This is a probable internal product programming error. Contact EKC Technical Support for assistance.

E304-cccc UNABLE TO LOAD GROUPING INTERPRETER, RC: *return code*

Event: The Group Control Program attempted to load the EKC Integrated Resource Grouping Facility's interpreter program for its subsequent use and was not able to do so successfully.

Action: Examine the return code to determine why the program load failed. Make sure EKCRINT is available in a library that it may be loaded from within this execution. If you are not able, or are not sure how to resolve this, please contact EKC Technical Support for assistance.

Group Control Messages

E305-cccc GROUPING INTERPRETER INITIALIZATION FAILED, RC: *return code*

Event: The Group Control Program attempted to execute the EKC Integrated Resource Grouping Facility's interpreter initialization routine and was not able to do so.

Action: Examine the return code to determine why the initialization failed. Make sure the dataset RULES has been specified in the JCL, and actually contains Resource Grouping rules. If you are not able or are not sure how to resolve this, please contact EKC Technical Support for assistance.

E306-cccc GROUP STRUCTURES HAVE BEEN BUILT

Event: The group structure build process has completed.

Action: This is an informational message requiring no further action.

E307-cccc GROUPING RULES DSN: *dataset name*

Event: This message is posted to display the actual MVS dataset name of the file used as a Rule Object dataset. Because you may have multiple rule object files, this information makes it clear to you exactly which grouping rules were used to the current execution.

Action: This is an informational message requiring no further action.

E308-cccc UNABLE TO LOAD GROUP XREF ROUTINES, RC: *return code*

Event: The Event Reporting System's External Grouping interface program (XGP) attempted to load program: EKCRGRXF (external grouping cross reference support routine) and was unable to do so.

Action: EKCRGRXF is a component of the EKC Integrated Resource Grouping Facility.

Make sure this facility is installed into a Load Library that is available to this job's library concatenation. If you are not able or are not sure how to resolve this, please contact EKC Technical Support for assistance.

E309-cccc GROUPING XREF ROUTINE INITIALIZATION FAILED, RC: *return code*

Event: The Event Reporting System's External Grouping interface program (XGP) attempted to initialize the grouping cross-reference support routine and was unable to do so.

Action: If this routine is present on the system, and available in the execution's load library concatenation, it should initialize properly. Examine other messages that may provide more information on the possibilities of why this particular function failed. If you are not able or are not sure how to resolve this, please contact EKC Technical Support for assistance.

E310-cccc UNABLE TO LOCATE CVT FROM EKCRGRX

Event: The Event Reporting System's External Grouping interface program (XGP) attempted to locate the Common Vector Table (CVT) from EKCRGRX and was unable to do so.

Action: This would appear to be a system problem. Examine other messages that may provide more information on the possibilities of why this particular function failed. If you are not able or are not sure how to resolve this, please contact EKC Technical Support for assistance.

E311-cccc TABLE ADD FAILURE FOR CLASS: *class*, SYSID: *sysid*, RESOURCE: *resource name*

Event: The E-SRF Group Control Program (GCP) dynamically built grouping tables when it was determined that grouping may be necessary for the required processing requests. When one of these tables was subsequently referenced with the arguments supplied in the message, the requested resource could not be located within the table.

Grouping tables may or may not allow additions after being built. For example, a USER class reference being made may not have enough information during the request to build the table entry properly on the fly. Processing will continue, and there will be no effect on the function's final return code, unless the requester deems it necessary.

Because this is not a critical situation, this message will be presented a maximum of only sixteen times during a single execution.

Action: Normally, the corrective measure is to run a SYNCHRONIZE for the image containing the users that are in question. If you are not able or are not sure how to resolve this, please contact EKC Technical Support for assistance.

E312-cccc UNABLE TO DELETE GROUPING DYNAMIC TOKEN STRUCTURE

Event: The E-SRF Group Control Program (GCP) builds grouping structures during a COLD start and stores this information on the Masterfile in a tokenized scheme.

Unlike other ESRF tokenization, the group structure information is stored in a separate token pool that may be dynamically deleted and reused in the event of a COLD start.

During the process of COLD starting the Masterfile group structures, the request to remove (delete) the existing group tokens has failed.

Action: This message should never occur. This is a serious error and needs immediate attention. The integrity of Masterfile Grouping is at stake, or grouping will no longer be available. There will probably be other messages describing other problems associated with this message. If you determine that the error can be resolved, initiate the necessary steps to eliminate this problem. The problem could also be a programming defect in the ESRF product. If you suspect this is the case, or are not sure, gather as much information as you can and contact EKC Technical Support for assistance.

E313-cccc GROUPING SYSID LIST TOKEN OUT OF SYNC WITH SYSID LIST

Event: The E-SRF Group Control Program (GCP) builds grouping structures based on the type of grouping you wish to employ on the particular Masterfile.

The SET SYSIDGROUPING command is used to control whether grouping is done based on resource name alone, resource name and IMAGE, or resource name and SYSID.

Special consideration and additional structures are required if you require SYSID or IMAGE grouping. An error was detected while referencing these structures based on what IMAGES and SYSIDS (domains) are present at the time.

Action: This message should never occur. This is a serious error and needs immediate attention. This is more than likely an ESRF programming error and should initially be treated as such. Gather as much information as you can about this error and contact EKC Technical Support for assistance.

Group Control Messages

E314-cccc ERRORS MAINTAINING MASTERFILE CONTROL OBJECT \$GCPLIST

Event: The E-SRF Group Control Program (GCP) builds grouping structures during a COLD start and stores this information on the CONTROL segment of the Masterfile in special objects called \$GCPLIST objects.

These objects are used to provide the grouping information required for HOT group starts when grouping is requested and a HOT start is possible.

Errors were detected while creating, altering or reading these objects

Action: This message should never occur. This is a serious error and needs immediate attention. Other than classic VSAM errors against your Masterfile VSAM Cluster, this message should be considered an indication of a possible ESRF programming error and should initially be treated as such. Gather as much information as you can about this error and contact EKC Technical Support for assistance.

E315-cccc POST REQUEST FOR GROUP STRUCTURE *mode* STARTUP

Event: A facility within ESRF has made a decision to force a group structure rebuild (startup) next time group structures are required..

This is a very common message and normally means something changed that has the potential to alter the validity of the current group structures (if any are present).

Action: This message simply informs you that the structures are going to be rebuilt. They could be WARM or COLD depending on what is causing this to occur. This is an informational message and required no action.

E316-cccc GROUPING *segment* MASTERFILE SEGMENT

Event: Group structures are being provided. This message informs you that this is what is occurring.

Following this message will be "scaling" lines providing you with status every 25,000 entities grouped.

Action: This message is informational only. No action is required.

Section 7. Input/Output Control Program Messages

The following messages are issued from the E-SRF Input/Output Control Program (IOP).

E325-cccc OPEN FAILURE FOR DD: *ddname*

Event: The Event Reporting System's Input/Output program (IOP) attempted to open the named DDNAME and was not able to do so.

Action: If this file was not dynamically allocated, examine the JCL to make sure it is coded properly for the named dataset. Make sure the dataset is not corrupted. MVS posts messages on SYSLOG when dataset opens fail. Review the SYSLOG messages and attempt to determine why the open failed. If you are not able to resolve this, or are not sure how to, please contact EKC Technical Support for assistance.

E326-cccc ILLEGAL OPEN CALL FOR DD: *ddname*

Event: A call was made the Event Reporting System's Input/Output program (IOP) to open a particular DD. The IOP determined this would be an illogical thing to do and therefore did not do it.

Action: This is caused by attempting to open DDNAMEs that have special meaning to E-SRF, such as "MASTER" and "SYSPRINT". Look at the DDNAME named in the message to determine why IOP rejected the request. If you are not able or are not sure how to resolve this, please contact EKC Technical Support for assistance.

E327-cccc FILE AVAILABLE FOR DD: *ddname*, (RECORD LENGTH: *length*)

Event: A call was made the Event Reporting System's Input/Output program (IOP) to OPEN a particular DD. The IOP performed the OPEN request and all other related processing. The file is now available for subsequent E-SRF processing.

Action: This is an informational message requiring no further action.

E328-cccc FILE NO LONGER AVAILABLE FOR DD: *ddname*

Event: A call was made the Event Reporting System's Input/Output program (IOP) to CLOSE (shutdown) a particular DD. The IOP performed the CLOSE operation and all other related processing. The file is no longer available for E-SRF processing unless another OPEN is issued against it.

Action: This is an informational message requiring no further action.

E329-cccc DYNAMIC ALLOCATION REQUESTED FOR DD: *ddname*, CLASS: *output class*, DEST: *output destination*, WRITER: *writer*

Event: A call was made to the Event Reporting System's Input/Output program (IOP) to DYNAMICALLY ALLOCATE the indicated print output DDNAME to the class and destination specified.

Dynamic Allocation is a component of the MVS operating system that allows a program, to allocate a dataset prior to opening it without the need for a DD JCL statement.

E-SRF first attempts to use the current allocation for the DDNAME, (whether it was provided by JCL or other means). When it detected that the DDNAME was not allocated, the IOP performs the Dynamic Allocation followed by this message.

If CLASS and/or DESTINATION are blank, CLASS defaults to the job's "MSGCLASS" specification and DESTINATION is omitted.

Action: This is an informational message requiring no further action.

Input/Output Control Messages

E330-cccc DYNAMIC ALLOCATION FAILED FOR DD: *ddname*, RC: *return code*

Event: A call was made to the Event Reporting System's Input/Output program (IOP) to Dynamically Allocate a particular named DD. The request did not successfully execute.

The DDNAME and return code from the Dynamic Allocation MVS call are provided in the message.

Action: This may occur for many reasons. Look at the DDNAME named in the message to determine why MVS rejected the request. If you are not able or are not sure how to resolve this, please contact EKC Technical Support for assistance.

E331-cccc REPORT DD: *ddname*, ALLOCATED RECORD LENGTH: *length*, WIDTH: *width*, OPEN: *open length*

Event: A report output dataset was opened which is intended to receive report output. This message verifies the open and displays characteristics about the report width.

DDNAME: Name used to relate this dataset to a physical dataset.

LENGTH: Actual record length as it exists on the physical dataset.

WIDTH: E-SRF requested report width.

OPEN LENGTH: Record length that will be in effect for all reports that go to this DDNAME.

Action: This is an informational message. If the requested report width is less than the OPEN length, your report will be truncated. If the length is more, the report will be left justified padded with blanks.

E332-cccc REPORT DD: *ddname* WAS ALLOCATED AS A "DUMMY" FILE

Event: A report output dataset was opened which is intended to receive report output. It was determined that it is a "dummy" file. A dummy file is one that really does not exist. Any output data "written" to it is discarded by the system.

DDNAME: Name used to relate this dataset to a physical dataset.

Action: This is an informational message and requires no formal action.

E333-cccc DD: *ddname* MINIMUM RECORD LENGTH: *min length*, ACTUAL RECORD LENGTH: *length*

Event: A call was made to the Event Reporting System's Input/Output program (IOP) to open available length OUTPUT dataset. This message was posted to provide information about the record length characteristics of the target dataset.

DDNAME: Name used to relate this dataset to a physical dataset.

MIN LENGTH: The minimum record length required for processing data to this particular file.

LENGTH: Actual length associated to this particular file.

Action: This is an informational message and requires no formal action.

**E334-cccc WARNING: REPORT OUTPUT WILL BE: *recfm*, AND WILL CONTAIN: *type*
CONTROL CHARACTERS**

Event: This message is posted to inform you what the output format for the particular report will be. This message is posted for every RUN processed.

There are several choices and are set by the FIRST report that opens the report output dataset based on controls that were in effect for that report.

Recfm indicates whether the output file will contain FIXED or VARIABLE length records.

Type indicates the type of record encoding that will be used for this report:

- CCW: Standard EBCDIC print line with CCW control character in position 1.
- ASA Standard EBCDIC print line with ASA control character in position 1.
- NO Standard EBCDIC print line with a blank control character in position 1.
- HTML EBCDIC line formatting in Hyper Text Markup Language format.
- ASCII Binary downloadable ASCII line formatting with basic PCL print control characters suitable to print on a PC printer.

Action: This is an informational message and requires no formal action other than to make sure this is really what is desired for this particular report on the target report print output file. If it is not what was desired, make to proper corrections, which normally means directing the output to a report output file that meets your needs and re-submitting the request. Please consult the *ESRF Event Reporting System Command Reference* for more information.

E335-cccc WARNING: REPORT OUTPUT DCB ERROR... REVERTING TO CTLCHAR(CCW)

Event: When the current RUN attempted to bind to the targeted report output file, errors occurred. If any type of recovery was possible it would be to knock down the processing to the most basic report output format possible, that being CTLCHAR(CCW).

Action: Normally this means you requested options that were not possible with the current output file. Even if this format is what you desire, you should determine why this message was posted and resolve the conflicts.

E336-cccc CREATING: *ddname*, MEMBER: *member name*, MODE: *file storage mode*

Event: A report is about to be bound to a report output file that has been setup as either a PDS or an IEBUPDTE style file.

This message will inform you of the name of the file (DDNAME), the mode of the file (either a PDS or IEBUPDTE style) and the name of the member associated with this report.

Member names may be either specified or dynamically assigned based on your specifications.

Action: This is an information message and requires no action. Please consult the *ESRF Event Reporting System Command Reference* for more information.

E337-cccc DDNAME: *ddname*, DETERMINED DSORG: *dsorg*

Event: A report output file is being opened. This normally occurs the first time a report is being bound to the particular file. The message indicates the Dataset Organization (DSORG) associated with the file being opened.

Action: This is an information message and requires no action. Please consult the *ESRF Event Reporting System Command Reference* for more information.

Input/Output Control Messages

E338-cccc DDNAME: *ddname*, INCONSISTENT MODE, CHANGED TO: *file storage mode*

Event: A report output file is being opened. This normally occurs the first time a report is being bound to the particular file. The RUN specifications requested a specific file storage mode (such as PDS), but due to the attributes of the existing file, these specifications had to be changed.

Action: ESRF made the best attempt to be as close to as what you requested. The report will run in the state indicated in this message. You may want to correct either the targeted file or the RUN specifications to avoid this message in future executions.

E339-cccc DDNAME: *ddname*, DSORG: *dsorg*, UNUSABLE... CANNOT PROCESS

Event: A report output file is being opened. This normally occurs the first time a report is being bound to the particular file. The target report dataset Organization (DSORG) must either be a classic Physical Sequential (DSORG=PS) or a Partitioned Organization (DSORG=PO). The actual DSORG was neither and therefore not suitable for a report output file in this release.

Action: ESRF cannot write reports to this file. The open request returns a return code of 16. This will cause other errors to occur. At the very least, the requested report will not run. Correct the targeted report file characteristics and if necessary, rerun this request.

Section 8. Masterfile Control Program Messages

The following messages are issued from the Masterfile Control Program (MCP) or by other service routines on behalf of Masterfile processing.

E400-cccc INITIATING MASTERFILE CACHING OPTION

Event: A request was made to initiate the Masterfile caching option. This option loads the entire VSAM Masterfile data structures into virtual storage (above the 16MB line). This option consumes a great amount of storage, but improves performance by orders of magnitude. The decision to activate the Masterfile cache is made based on information outlined in the *Command Reference*. Not all executions fare well with the cache. ALL UPDATE RUNS SHOULD RUN WITH THE CACHE TURNED ON.

Action: This is an informational message requiring no further action.

E401-cccc CACHE BUILD COMPLETE

Event: A request was made to initiate the Masterfile caching option. This message indicates the cache has been built and has been activated. All Masterfile Input/Output operations will be processed against the cache. The VSAM cluster will not be accessed again until it is to be upgraded with the altered cached data.

Action: This is an informational message requiring no further action.

E402-cccc MASTERFILE UPGRADE FROM CACHE IN PROGRESS

Event: When it is time to apply altered cache data to the Masterfile VSAM cluster, a decision is made whether to UPGRADE or REBUILD the VSAM cluster.

This message indicated the change activity was low in relation to the number of VSAM records contained on the Masterfile so an UPGRADE is being performed. The VSAM cluster will be updated in place, resulting in some VSAM fragmentation.

Action: This is an informational message requiring no further action, other to know that some fragmentation normally associated with VSAM record updating may have occurred.

E403-cccc UPGRADE HAS BEEN COMPLETED

Event: The VSAM cluster UPGRADE function has been completed.

Action: Additional statistics are reported at the conclusion of the UPGRADE for your evaluation. This is an informational message requiring no further action.

E404-cccc MASTERFILE REBUILD FROM CACHE IN PROGRESS

Event: When it is time to apply altered data to the VSAM cluster, a decision is made whether to UPGRADE or REBUILD the VSAM cluster.

This message indicated the change activity was high in relation to the number of VSAM records contained on the Masterfile so a REBUILD is being performed. The high used RBA will be set to zero forcing VSAM to sequentially rebuild the cluster with the entire data complement contained in the cache. No VSAM fragmentation will occur, any fragmentation from previous executions will no longer exist on your Masterfile VSAM cluster.

Action: This is an informational message requiring no further action.

E405-cccc REBUILD HAS BEEN COMPLETED

Event: The VSAM cluster REBUILD function has been completed.

Action: Additional statistics are reported at the conclusion of the REBUILD for your evaluation. This is an informational message requiring no further action.

E406-cccc INVALID OR UNKNOWN FUNCTION REQUEST

Event: A call to the Masterfile Control Program (MCP) was made with an invalid function code.

Action: This is more than likely an internal E-SRF programming error. Contact EKC Technical Support for assistance.

E407-cccc CURRENT MASTERFILE LEVEL *current Masterfile level* REQUIRED LEVEL IS: *level needed for processing*

Event: This message indicates the status of the Masterfile in relation to the level of the E-SRF support programs.

Action: This message is posted to show a discrepancy between the level of the Masterfile and the E-SRF programs attempting to access it. Review subsequent messages to determine the nature of the problem.

E408-cccc SYSTEM TERMINATED DUE TO MASTERFILE LEVEL INCONSISTENCY WITH SYSTEM LEVEL

Event: The Masterfile Control Program (MCP) is going to terminate the current E-SRF execution because the Masterfile is at a different support version than the E-SRF control programs currently being used to execute this job..

Action: Make sure the VSAM cluster you are using is actually an E-SRF Masterfile, created by a version of E-SRF that is compatible with the version you are executing. All Masterfiles are upward compatible. The product is NOT downward compatible. Make sure the Masterfile is not at a level higher than the current programs you are executing.

Please note ESRF will not automatically upgrade an older Masterfile. You must tell it to do so by adding an EXEC statement parm statement: PARM=UPGRADE to your job.

This means you are authorizing ESRF to reformat your Masterfile. Failure to do this will cause this message to appear.

Information on this topic is covered in the *ESRF Masterfile and Data Dictionary Reference* manual.

If you need more information about this topic, or need additional help in general with a new release of this product, please contact EKC Technical Support for assistance.

E409-cccc CURRENT MASTERFILE BROWSE TERMINATED BY COMMAND PROCESSOR

Event: A report overlay just concluded, and returned control to the Command Processor with an outstanding Masterfile browse pending. The Command Processor called MCP to terminate the browse.

Action: This is the result of a programming error in the report overlay that just terminated. If the report overlay was user-written, terminate the browse before issuing the report overlay termination function. If the report overlay was part of the Event Reporting System, Product, contact EKC Technical Support for assistance. *There is no harm running this way, except it violates the rules for report overlay design and programming.*

E410-cccc CONTROL OBJECT(S) NOT ON FILE... DEFAULTS CREATED

Event: MCP attempted to read and process the E-SRF control objects and they appeared to be missing. MCP recreated the control objects with just enough structures to allow E-SRF to execute.

Action: This message is normal when you are starting out with an "empty" VSAM cluster. If this was not the case, you can consider your Masterfile VSAM cluster to be corrupted; attempt to determine what happened to your VSAM cluster. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E411-cccc UNABLE TO CREATE DEFAULT CONTROL OBJECT(S)

Event: MCP attempted to create default control object structures and was unable to do so due to other errors. This is a serious problem and must be resolved.

Action: This message indicates potential VSAM cluster errors. If this is a new cluster, make sure it was properly defined via IDCAMS and has a single record inserted to allow the index structures to be built for direct KSDS processing. If this is not a new cluster, you can assume your Masterfile has been corrupted. Attempt to determine what happened to your VSAM cluster. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E412-cccc CREATED EVENT JOURNAL UPDATE CONTROL OBJECT

Event: MCP created the SMF update control object. This object is used to keep track of SMF input data to prevent the application of the same SMF update more than once.

Action: This message should only be posted once after the VSAM cluster has been built. If it occurs with an existing cluster, it may be a symptom of a corrupted Masterfile. This is an informational message requiring no further action.

E413-cccc CREATED DEFAULT OWNER OBJECT

Event: MCP created the default OWNER object. This object is used to provide owner information in the event a GROUP object makes reference to an owner that has not been defined.

Action: This message should only be posted once after the VSAM cluster has been built. If it occurs with an existing cluster, it may be a symptom of a corrupted Masterfile. This is an informational message requiring no further action.

E414-cccc CREATED DEFAULT GROUP OBJECT

Event: MCP created the default GROUP object. This object is used to provide group information in the event a reference to an undefined group is made.

Action: This message should only be posted once after the VSAM cluster has been built. If it occurs with an existing cluster, it may be a symptom of a corrupted Masterfile. This is an informational message requiring no further action.

E415-cccc EXTERNAL OBJECT AREA EXPANDED TO: *number of bytes*

Event: Due to external object storage requirements, the EXTERNAL object area had to be expanded. This area contains the Masterfile object in decompressed form, as presented for processing, its size can range from 32,000 to 16,000,000 bytes, based on how E-SRF is configured and the amount of activity being stored on a single object.

Action: This is an informational message requiring no further action.

E416-cccc INTERNAL OBJECT AREA EXPANDED TO: *number of bytes*

Event: Due to internal object storage requirements, the INTERNAL object area had to be expanded. This area contains the Masterfile object in compressed form, as presented for processing, its size can range from 256 to 16,000,000 bytes, based on how E-SRF is configured, how well the compression routines are able to compress the data, and the amount of activity being stored on a single object. This area is built from logical records contained on the VSAM cluster, and must be large enough to contain the largest object existing on the Masterfile.

Action: This is an informational message requiring no further action.

E417-cccc MASTERFILE KEY FORMATTED BY PROGRAM REQUEST: *key description text*

Event: For some abnormal reason (*described in other messages*), the MCP determined it had to format the current object's logical key for subsequent evaluation. This message is part other messages that help describe a potential situation that may need some attention. The description text indicates what object the key is associated with.

Action: This message itself is an informational message requiring no further action. Other messages accompanying it may have important meaning and should be evaluated.

E418-cccc MASTERFILE CONTROLS HAVE BEEN UPGRADED

Event: A request has been made to upgrade the Masterfile control structures from information contained in the currently executing E-SRF control block structures. This message normally follows some type of command activity, usually "SET" or "UPDATE" commands.

Action: This is an informational message requiring no further action.

E420-cccc VSAM ERROR HAS OCCURRED

Event: An error occurred managing the Masterfile VSAM cluster. This is serious. Other messages accompanying this message will give you additional information on what the problem is and possibly how to recover from it.

Action: Review all messages involved with this message and take the appropriate action. For example, you may have to redefine the cluster on a larger DASD extent and restore the cluster from the last known backup. Then forward recover by re-applying all update previously applied after the backup. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E421-cccc SEGMENT WRITE FAILURE... VSAM R15 = *register 15*, CALLING ROUTINE: *routine name*

Event: An error occurred writing a "record segment" (a logical VSAM record) to the Masterfile VSAM cluster. This is a serious problem. Other messages accompanying this message may give you additional information on what the problem is and possibly how to recover from it.

Action: Review all messages involved with this message and take the appropriate action. For example, you may have to redefine the cluster on a larger DASD extent, and restore the Masterfile from the last known backup. Then forward recover your Masterfile by re-applying all update previously applied after the backup. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E422-cccc DISASTER: INTERNAL CONTROL STRUCTURE HAS BEEN CORRUPTED

Event: The Image Control Program (ICP) detected an error within the IMAGE control block structures. This is a "should never occur" situation and is a serious problem. Other messages accompanying this message may give you additional information on what the problem is and possibly how to recover from it.

Action: You either have a storage violation, or other problems that lead to this situation. Review all messages involved with this message and take the appropriate action. If everything looks proper and the problem persists, please contact EKC Technical Support for assistance.

E423-cccc BAD RETURN FROM STORAGE CONTROL code RC: *return code*

Event: The MCP attempted to interface with the Event Reporting System's Storage Control Facility and did not get a good return code from the request. This message indicates the abbreviated request name and the return code from Storage Control.

Action: Review all messages involved with this message and take the appropriate action. Make sure there is a large enough storage specified (REGION=) specified for this execution. If everything looks proper and the problem persists, please contact EKC Technical Support for assistance.

E424-cccc MASTERFILE DSN: *dataset name*

Event: E-SRF has "bound" itself to the VSAM cluster designated as *MASTER* in the startup JCL. This message is displayed for auditing purposes as a record of exactly which VSAM cluster is being used to host the current E-SRF execution.

Action: This is an informational message requiring no further action.

E425-cccc CREATED EMPTY SYSTEM IMAGE OBJECT

Event: During initialization, the MCP attempted to locate the "SYSTEM" image object from the CONTROL segment and was unable to locate it.

This is normal when a new VSAM cluster is being established as an E-SRF Masterfile.

Action: If it was a new Masterfile VSAM cluster, the empty object will be written and later populated via the initialization command. This may be considered an informational message and require no further action.

If it was not a new cluster, you may have other problems. Review other messages and attempt to determine what is wrong. If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

E426-cccc RELATIONAL DATA ACQUIRE ERROR, KEY: *key data*

Event: During a "relational" object acquire, the target object was unable to be obtained.

The "*key data*" is the actual object key of the target object being obtained.

Action: If the target object was not defined on the Masterfile, define it if you can. Objects such as the GROUP and OWNER headers are user defined.

User Header objects are initially placed on the Masterfile during the SYNCHRONIZE command, and with some Resident Security Systems, are subsequently maintained by RSS event data. If the RSS associated to the IMAGE does not upgrade its User Headers, (such as RACF), you may have to re SYNCHRONIZE the particular IMAGE.

If the target objects was defined on the Masterfile, this is a potential error. Every target object should exist on the Masterfile.

One of the most common reasons for this error is a previous cache upgrade not being able to complete due to some sort of VSAM error (VSAM DASD space allocation may be too small). Make sure this is not the case. A cache upgrade will always occur after an UPDATE when using the cache feature. If you let this situation go, you will end up having a Masterfile that is missing objects off the end. Normally this would be by the User Segment.

Review other messages and attempt to determine what is wrong. Look over previous execution's Control Reports and job logs. If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

E427-cccc EXCESSIVE RELATIONAL DATA ACQUIRE ERRORS, LOGGING TERMINATED

Event: During “relational” object acquire operations, errors occurred, message E426 was posted. This situation has occurred too many times to continue logging the error.

Action: This is an informational message about a potential serious Masterfile problem. Refer to message E426 in an attempt to resolve this problem.

E428-cccc OBJECT DE/COMPRESS ERROR, RC: *return code*

Event: The Masterfile Control Program (MCP) called the Compress/Decompress Program (CDP) to process a Masterfile Object. CDP was unable to complete the request and posted a NON ZERO return code. The MCP was not able to recover from the situation.

Action: This is a “should not occur” situation, and will require a call to EKC Technical Support. The system will terminate with an ABEND-969.

When calling for support, have the SYSPRINT control report available. There may be enough information contained on it to determine what the problem was and provide a resolution.

E429-cccc FUNCTION: *x*, SOURCE / TARGET AREA TOO SMALL, T=

Event: The Masterfile Control Program (MCP) called the Compress/Decompress Program (CDP) to process a Masterfile Object. CDP was unable to complete the request because the source or target area was too small. When this message is posted, MCP will normally respond by providing a larger area and re-executing the request.

Action: This is an informational message that required no user action. It is posted in the event that an error occurs during the recovery process.

E430-cccc INITIATING MASTERFILE UNLOAD FUNCTION

Event: A request was made to UNLOAD the current E-SRF Masterfile contents to a flat file. This message confirms the initiation of the unload function.

Action: This is an informational message requiring no further action.

E431-cccc END OF MASTERFILE DETECTED

Event: End of data was detected on the Masterfile during the UNLOAD function.

Action: This is an informational message requiring no further action.

E432-cccc UNLOAD FUNCTION COMPLETED

Event: The UNLOAD function has been completed. Statistics on the function are displayed with this message for your review.

Action: This is an informational message requiring no further action.

E433-cccc INITIATING MASTERFILE UPLOAD FUNCTION

Event: A request was made to UPLOAD the current E-SRF Masterfile contents from the flat file created by the UNLOAD function directly to the Masterfile.

Action: This is an informational message requiring no further action.

E434-cccc END OF INPUT DETECTED

Event: End of data was detected on the Masterfile flat file during the UPLOAD function.

Action: This is an informational message requiring no further action.

E435-cccc UPLOAD FUNCTION COMPLETED

Event: The UPLOAD function has been completed. Statistics on the function are displayed with this message for your review.

Action: This is an informational message requiring no further action.

E440-cccc UNABLE TO OBTAIN EXTERNAL OBJECT AREA

Event: The MCP attempted to obtain virtual storage to contain the external object image and was not able to do so.

Action: The "GETMAIN" to request virtual storage failed. This is an indication of a general storage shortage within the E-SRF executing address space. Normally, the correction is to increase the "REGION" MVS Job Control specification and re-run the job. Correct the problem and re-execute the current E-SRF session if necessary.

E441-cccc UNABLE TO LOCATE CONTROL OBJECTS

Event: The MCP attempted to update the E-SRF control structures and was unable to locate the appropriate Masterfile control object(s).

Action: This is an indication of a corrupted Masterfile. Review other messages and take the appropriate action. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E442-cccc UNABLE TO UPDATE CONTROL OBJECTS

Event: The MCP attempted to update the E-SRF control structures and was unable to apply the updated object(s) to the Masterfile.

Action: This is an indication of a corrupted Masterfile. Review other messages and take the appropriate action. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E443-cccc INVALID KEY/SEGMENT RELATIONSHIP

Event: Objects within E-SRF may be as large as 16,000,000 bytes in length, and are processed throughout the Event Reporting System as a single "record".

When a Masterfile object is stored on a physical DASD device, the VSAM access method is used. Because VSAM cannot manage records with these lengths, the MCP breaks up the Masterfile object into as many 8,194 byte "record segments" (logical VSAM records) as needed to store the object on the VSAM cluster.

When an object is read from the Masterfile VSAM cluster, it is assembled from the VSAM logical record segments. During this process, it was determined that the physical record segments do not properly map into the logical E-SRF object. This is a serious error, and indicates the VSAM cluster has been corrupted.

Action: This is an indication of a corrupted Masterfile. Review other messages and take the appropriate action. The end result will more than likely be to rebuild the VSAM cluster from a previous backup. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E444-cccc INCORRECT PROCESSING MODE FOR 'WRITE'

Event: A request was made to "write" an object image from the external area to the Masterfile. The MCP would not honor this request because the processing mode is incorrect at the time of the write request.

Action: Assuming the E-SRF execution environment has not been corrupted by either a user-written overlay or a user exit, the problem may be a programming error within the Event Reporting System. Contact EKC Technical Support for assistance.

E445-cccc INVALID OR UNKNOWN 'SET' SUB-FUNCTION

- Event: A request was made to set the current processing mode of the Masterfile with an incorrect specification. The MCP would not honor this request.
- Action: Assuming the E-SRF execution environment has not been corrupted by either a user-written overlay or a user exit, the problem is a programming error within E-SRF. Contact EKC Technical Support for assistance.

E446-cccc UNABLE TO RECOGNIZE TOKEN/OBJECT RESOLUTION BLOCK

- Event: A component of ESRF required the services of the Token/Object Resolver (TOR). The TOR request block could not be properly verified as authentic and therefore could not be used.
- Action: Assuming the E-SRF execution environment has not been corrupted by either a user-written overlay or a user exit, the problem may be a programming error within E-SRF. Please contact EKC Technical Support for assistance.

E447-cccc UNABLE TO OPEN DD: *ddname*, FUNCTION ABORTED

- Event: A request was made to open the named file (*ddname*) and was unable to do so.
- Action: This is a specialized file open request. A particular file had to be opened to process the current request and the open failed. Look around for other related messages. Make sure the named DD is of the proper format.. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E448-cccc ATTEMPTING TO FORCE CLOSE MASTERFILE VSAM CLUSTER

- Event: A problem occurred within the MCP that will ultimately cause the system to shutdown. During the shutdown, the MCP will attempt to close down the VSAM Masterfile cluster (if it can). This message informs you that this process has been initiated.
- Action: This message will be associated with other messages outlining a severe E-SRF problem. Review the messages and take whatever corrective action may be required. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E449-cccc FORCED TERMINATION DUE TO UNEXPECTED I/O CONDITION

- Event: E-SRF is about to be terminated due to one or more unexpected Input/Output condition(s).
- Action: This may or may not indicate an I/O error. E-SRF was expecting one thing and the I/O routines are providing something else. There may be other messages accompanying this event that should be evaluated. Assuming the E-SRF execution environment has not been corrupted by either a user-written overlay or a user exit, the problem is a programming error within E-SRF. Please contact EKC Technical Support for assistance.

E450-cccc ERROR OPENING VSAM MASTERFILE CLUSTER

- Event: An attempt was made to OPEN the Masterfile VSAM cluster and was unable to do so successfully. This error will cause the Event Reporting System to terminate and is associated with message E-420.
- Action: Examine the data posted after this message. All VSAM error information from the attempted open is provided. Review the messages and subsequent information provided and take whatever action may be required to resolve the problem. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.
- Note: If your feedback/error information is: x'E8', this indicates the VSAM cluster was improperly defined to allow the file to be dynamically reloaded.
- If the cluster was not properly defined to allow this, the OPEN to reload will fail. If this is the case, correct the VSAM cluster definition and re-run the update.

E451-cccc ERROR POSITIONING TO A PARTICULAR VSAM RECORD SEGMENT

Event: An attempt was made to position the VSAM cluster to a particular logical record segment and was unable to do so successfully. This error will cause E-SRF to terminate and is associated with message E-420.

Action: Examine the data posted after this message. All VSAM error information from the attempted POINT is provided. Review the messages and subsequent information provided and take whatever action may be required to resolve the problem. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E452-cccc ERROR READING VSAM RECORD SEGMENT

Event: An attempt was made to read a particular logical record segment from the E-SRF VSAM cluster and was unable to do so successfully. This error will cause E-SRF to terminate and is associated with message E-420.

Action: Examine the data posted after this message. All VSAM error information from the attempted READ is provided. Review the messages and subsequent information provided and take whatever action may be required to resolve the problem. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E453-cccc ERROR DELETING VSAM RECORD SEGMENT

Event: An attempt was made delete a particular logical record segment from the E-SRF VSAM cluster and was unable to do so successfully. This error will cause E-SRF to terminate and is associated with message E-420.

Action: Examine the data posted after this message. All VSAM error information from the attempted DELETE (ERASE) is provided. Review the messages and subsequent information provided and take whatever action may be required to resolve the problem. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E454-cccc ERROR WRITING VSAM RECORD SEGMENT

Event: An attempt was made to write (*either add or update*) a particular logical record segment to the Masterfile VSAM cluster and was unable to do so successfully. This error will cause E-SRF to terminate with the associated message E-420.

Action: Examine the data posted after this message. All VSAM error information from the attempted PUT is provided. Review the messages and subsequent information provided and take whatever action may be required to resolve the problem. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E455-cccc ERROR SETTING VSAM PROCESSING MODE

Event: An attempt was made to alter (*set*) the VSAM Masterfile processing mode. The I/O program was not able to perform the requested operation.

Action: Examine the data posted after this message. All VSAM error information from the attempted SET is provided. Either the SET request was unknown to the I/O program, or the resulting VSAM macro calls failed.

Review the messages and subsequent information provided and take whatever action may be required to resolve the problem. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

Masterfile Control Messages

E459-cccc ERROR CLOSING VSAM MASTERFILE CLUSTER

Event: An attempt was made to close the Masterfile VSAM cluster and was unable to do so successfully. This error will cause E-SRF to terminate and is associated with message E420.

Action: Examine the data posted after this message. All VSAM error information from the attempted CLOSE is provided. Review the messages and subsequent information provided and take whatever action may be required to resolve the problem. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E460-cccc OPEN MASTERFILE FOR: *mode* PROCESSING

Event: A Masterfile OPEN request is being serviced. This message identifies the processing MODE (read-only or update) that the cluster will be in at the conclusion of the open processing.

Action: This message is for informational purposes. It becomes useful if a security violation occurred while executing E-SRF. E-SRF will open its Masterfile for READ processing and keep it that way until it becomes necessary (because of command requests) to update the cluster. At this time, the Masterfile will be closed and re-opened with update intent. This allows installations to allow individuals to run reports without allowing them to alter any object contained on the Masterfile.

Section 9. Inter-Release Masterfile Conversion Messages

The following messages are issued from the Masterfile conversion that occurs when a back leveled Masterfile is being processed by a more recent release of E-SRF.

E480-cccc MASTERFILE CONVERSION IN PROGRESS

Event: The Masterfile Control Program (MCP) detected that the current Masterfile being processed is at a level other than what the current processing programs support. MCP called the Masterfile Conversion Processor (MCV) in an attempt to upgrade the Masterfile to the current processing level.

Action: This is an informational message requiring no further action. It is assumed that you desire the upgrade to take place. The resulting Masterfile will not be able to be processed with a lower level set of processing programs.

E481-cccc UNABLE TO READ MASTERFILE CONTROL OBJECT

Event: The Masterfile Conversion Processor (MCV) conversion function attempted to read the Masterfile system wide control object from the Control Segment and was unable to do so.

Action: This error normally means the requested control object was not found on the Masterfile VSAM cluster. This means either the cluster was corrupted or it is not really an E-SRF Masterfile. Check to make sure your VSAM cluster is really an E-SRF Masterfile. Correct the problem and re-run the request if required to do so. If you are unable or unsure how to do this, please contact EKC technical Support for assistance.

E482-cccc CURRENT LEVEL: *Masterfile level* UNKNOWN TO CONVERSION FUNCTION

Event: The E-SRF conversion function read the Masterfile system wide control record and determined that the Masterfile level was unknown to the conversion function program.

Action: This error means the VSAM cluster was not really an E-SRF Masterfile, it was a Masterfile, but it was at a higher level than the processing programs, or the Masterfile is corrupted.

Check to make sure your VSAM cluster is really an E-SRF Masterfile. If it is a Masterfile, make sure you are not attempting to use old programs against a higher level Masterfile. Correct the problem and re-run the request if required to do so. If you are unable or unsure how to do this, please contact EKC technical Support for assistance.

E484-cccc CONVERTING FROM LEVEL: *current* TO LEVEL: *new* USING: *routine*

Event: The E-SRF conversion UPGRADE function determined the current level of the Masterfile and has located the necessary support components to convert to the next Masterfile level. This message indicates the start of a level conversion.

Action: This is an informational message requiring no further action.

E485-cccc MASTERFILE NOW AT LEVEL: *Masterfile level*

Event: The E-SRF conversion UPGRADE function has completed a conversion function from one level to the next highest level. If this is the last level, the conversion will terminate with the E489 message, or the next level will begin.

Conversion will proceed level by level until the Masterfile is upgraded to the current product release level.

Action: This is an informational message requiring no further action.

E486-cccc MASTERFILE SEGMENT CURRENTLY BEING PROCESSED: *segment ID*

Event: The E-SRF conversion UPGRADE function is about to start processing an individual Masterfile segment.

Action: This is an informational message requiring no further action.

E489-cccc MASTERFILE CONVERTED TO CURRENT OPERATING LEVEL

Event: The Masterfile conversion UPGRADE function has converted your Masterfile to the current product level. The Masterfile will now function with the current processing program level. The UPGRADE will not be initiated next time the Masterfile is used with the current processing program level. If you attempt to run it against a prior release of the Event Reporting System's processing programs, the execution will fail.

Action: This is an informational message requiring no further action.

E490-cccc DYNAMIC MASTERFILE CONVERSION DENIED DUE TO OPERATING REQUIREMENTS

Event: The E-SRF conversion function was called to UPGRADE your Masterfile to the current required level for the version of the product being executed. The Conversion Update Function validates the Command Processor's entry parameter. The word UPGRADE must be specified. This parameter is normally specified as a JCL execution parm (PARM=UPGRADE). The specification is not present.

The Conversion Upgrade Function rejected the UPGRADE request and sets a return code 20 to the Masterfile Control Program (MCP). The MCP will ABEND the execution.

Action: Look over the situation and decide if you really want to convert your Masterfile. Normally you would, but if you are testing a new product version, or running a new product version by mistake, you may want to reconsider the UPGRADE or back up your Masterfile first in the event you want to restore it back to the older version.

This occurs when a new release is supplied to a customer, and the customer unknowingly runs the new release against their production Masterfile, and later attempts to run their "production" version of the Event Reporting System using the "*converted*" Masterfile.

When you want to the conversion UPGRADE to be performed, you must authenticate it by specifying UPGRADE to the Command Processor as an entry parameter. This is normally accomplished by the PARM=UPGRADE JCL specification. This should keep you from shooting yourself in the foot.

E491-cccc DYNAMIC MASTERFILE CONVERSION REQUESTED BUT WAS NOT REQUIRED

Event: The user authenticated a Masterfile Conversion Upgrade by specifying the Command Processor entry parameter '*UPGRADE*', but no conversion upgrade was required.

Action: The Conversion Upgrade Function rejects the *UPGRADE* authentication parameter and posts this message as a warning.

The only reason E-SRF needs the parameter is to protect you from accidentally converting a Masterfile that should have not been converted. By running E-SRF with this parameter, you disable the conversion authentication safety feature.

The *UPGRADE* Command Processor entry parameter should only be placed on executions that have the potential to cause the Conversion Upgrade Function to be invoked, and you are prepared for it. If this is one of those executions, ignore this message. If it is not, remove the UPGRADE parameter for future exceptions.

Section 10. Report Services Program Messages

The following messages are issued from the E-SRF Report Services function.

E500-cccc ENTER REPORT: *report overlay name*

Event: The Command Processor has called Report Services to start a report. This message indicates the acceptance of the command and the transference of control to the report overlay program indicated in the message.

Action: This is an informational message requiring no further action.

E501-cccc ENTER REPORT: *report overlay name*, **GROUP: *groupname*, **OWNER:** *ownername***

Event: The Command Processor has called Report Services to start a report in Automatic Report Distribution mode. This message indicates the acceptance of the command and the transference of control to the report overlay program indicated in the message for the specified group, routed to the specified owner. This message will appear for each group/owner sequentially processed by the current overlay.

Action: This is an informational message requiring no further action.

E502-cccc INITIATE REPORT DISTRIBUTION: *distribution type*

Event: The Report Control Program determined that the request report will be a distributed report and will be processed under the Automatic Report Distribution facility. The distribution type (OWNER or GROUP) is indicated in the message.

Action: This is an informational message requiring no further action.

E503-cccc ENTER REPORT: *report overlay name*, **OWNER: *ownername***

Event: The Report Control Program is entering a particular report overlay under Automatic Report Distribution to produce a report for all the groups associated with the named OWNER.

Action: This is an informational message requiring no further action.

E504-cccc UNABLE TO DETERMINE REPORT DISTRIBUTION METHOD

Event: The Report Control Program has been requested to perform report distribution for a particular report overlay. The report distribution type (method) is unknown.

Action: This is a symptom of a corrupted execution environment, or an Event Reporting System programming error. Review other messages that may have reported abnormalities. Remove any user-written report overlays and user exits and re-execute the E-SRF session. If you are not able to do this, or you are not sure how to do this, or if you cannot find anything wrong, contact EKC Technical Support for assistance.

E505-cccc OWNER/GROUP REPORTING TERMINATED DUE TO HIGH RETURN CODE: *code*

Event: An Automatic Report Distribution process is in effect for the current report execution. A report for a particular group/owner just completed with a return code of 20 or higher. This is considered unacceptable and the entire report execution is terminated.

Action: Find out what was wrong with the previous execution of the current report and correct the problem. Rerun the request if required to do so. If you cannot, or unsure how to remedy this problem, please contact EKC Technical Support for assistance.

E506-cccc REPORT SERVICE CALL: *number* ISSUED AGAINST AN UNINITIALIZED REPORT: *report overlay name*

Event: A call to Report Services was made on behalf of the named report overlay without the report overlay being properly initialized. This situation should never occur. Report overlays are executed by the Command Processor, which directly calls Report Services for initialization before the report overlay gets control for subsequent report processing.

Action: This is a symptom of a corrupted execution environment, or possibly a programming error. Review other messages that may have reported abnormalities. Remove any user-written report overlays and user exits and re-execute the job. If the problem does not reoccur, attempt to correct the user-written code and re execute. If you are not able to do this, or cannot find anything wrong, or you are not sure how to do this, please contact EKC Technical Support for assistance.

E507-cccc UNABLE TO CREATE REPORTS FOR OWNER: *ownername*

Event: Report Services was attempting to associate the current owner to its report output DDNAME (the same as the ownername), and was not able to do so. Reports directed to this owner from the current report overlay, and all subsequent report overlays, will be suppressed.

Action: Find out why the report output file could not be created. Review other messages related to this problem.

E508-cccc REPORT DDNAME CHANGED FROM 'SYSPRINT' TO 'REPORTS'

Event: An attempt was made to specify "SYSPRINT" as a report output DDNAME. The system overrode your specification with the report standard "REPORTS" DDNAME.

Action: Consider this message a warning. Your report will not be in "SYSPRINT". Correct the report execution commands for future runs.

E509-cccc RSP FATAL ERROR... (SERVICE CALL: *id*, DISP: *number*)

Event: A "FATAL" error has occurred (that could not be recovered from), was detected by the Report Services Program (RSP) during the execution of a Report Service Call. This message is normally posted after a more detailed message explaining the problem. The service call is terminated, and depending on the service call and the gravity of the error, control is passed back to the report overlay or the Command Processor for forced report termination.

Action: This is normally caused by a programming error within a report overlay, or a corrupted execution environment. The "id" is the service call number being executed. The "disp" is the hexadecimal displacement within the RSP where the error occurred. Make sure a user-written report overlay or user exit did not cause the problem. If necessary, please contact EKC Technical Support for assistance.

E510-cccc UNABLE TO DETERMINE OBJECT GROUPNAME

Event: Report Services "object select by group" routine made a call to the Group Control Program (GCP) to determine the current object's groupname. The response from GCP was a non-zero return code.

Action: This message is accompanied by E051 and E509 that identify the return code and report service function involved. Additional messages may also appear. Problem determination is based on the messages involved. Research each message and take the appropriate action. If necessary, please contact EKC Technical Support for assistance.

E511-cccc UNABLE TO DETERMINE GROUPNAME

Event: Report Services "associate to group" routine made a call to the Group Control Program (GCP) to determine the name of the group the object belongs to. The response from GCP was a non-zero return code.

Action: This message is accompanied by E051 and E509 that identify the return code and report service function involved. Additional messages may also appear. Problem determination is based on the messages involved. Research each message and take the appropriate action. If necessary, please contact EKC Technical Support for assistance.

E512-cccc REPORT INITIALIZATION CALL RECURSIVELY EXECUTED

Event: A call to initialize a currently executing report overlay was attempted.

Action: This is a programming error. If the report overlay currently executing is user-written, correct the error and re execute the program. Otherwise contact EKC Technical Support for assistance.

E513-cccc UNABLE TO LOCATE SPECIFIED REPORT OVERLAY

Event: Report Services attempted to locate the specified report overlay program and was unable to do so. This means the MVS program load failed. The most common reason for this is the overlay name was misspelled in the command, the program was missing from the load library concatenation, or there was not enough virtual storage to load the program.

Action: This is an operational error, correct the problem and rerun the request.

E514-cccc UNABLE TO RECOGNIZE SPECIFIED REPORT OVERLAY

Event: Report Services loaded a specific report overlay, but was not able to verify that the loaded program was indeed a real E-SRF Event Reporting report overlay. The overlay may have been in storage from a previous execution and has been overlaid, a program was specified that was not a report overlay, or a user report overlay was improperly coded.

Action: Correct the error and rerun the request.

E515-cccc UNABLE TO INITIALIZE GROUP STRUCTURES

Event: Report Services made a call to the Group Control Program (GCP) to establish the current E-SRF group structures. The response from GCP was a non-zero return code.

Action: This message is accompanied by E051 and E509 that identify the return code and report service function involved. Additional messages may also appear. Problem determination is based on the messages involved. Research each message and take the appropriate action.

E516-cccc UNABLE TO DETERMINE NEXT REPORTING GROUP

Event: Report Services made a call to the Group Control Program (GCP) to determine the next sequential group to report on. The response from GCP was a non-zero return code.

Action: This message is accompanied by E051 and E509 that identify the return code and report service function involved. Additional messages may also appear. Problem determination is based on the messages involved. Research each message and take the appropriate action.

E517-cccc INTERNAL GROUPING STRUCTURE ERROR

Event: Report Services looked for the current groupname supplied by the Group Control Program (GCP) on the Masterfile. The group object could not be found.

Action: This indicates either the Masterfile has been corrupted, or the group structure tables have been overlaid in virtual storage. Look for other messages in an attempt to determine how this happened. If there were any user-written report overlays or user exits, remove them and re attempt the request. If the problem persists, or you are not sure what to do about it, contact EKC Technical Support for assistance.

E518-cccc UNABLE TO WRITE REPORTS ON DD: *ddname*

Event: Report Services attempted to access the report output DDNAME for report writing purposes and was not able to do so. Either the DDNAME was improperly allocated, or the target DDNAME is not suitable for report output.

Action: This is an operational error. Investigate why the DDNAME was not suitable for report output. See the *User Guide* to determine the characteristics for a report output DDNAME.

This message is accompanied by E051 and E509 that identify the return code and report service function involved. Additional messages may also appear. Problem determination is based on the messages involved. Research each message and take the appropriate action.

E519-cccc DEFAULT OWNER NOT DEFINED

Event: Report Services attempted to access the default OWNER Masterfile object and could not locate it.

Action: This situation should never occur. The default owner object was inserted on the Masterfile when the E-SRF initialization function was performed against the newly defined VSAM cluster. This indicates either the Masterfile has been corrupted, or somehow someone deleted the default owner object. This may be a symptom of more serious Masterfile corruption. Look for other messages and attempt to determine what happened. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E520-cccc OVERLAY REQUESTED *number of bytes*, EXCEEDED MAXIMUM

Event: The current report overlay made a call to Report Services requesting report related storage with a length exceeding the maximum allowed.

Action: This is either a programming error or a symptom of a corrupted E-SRF execution environment. If the report overlay was user-written, verify the storage request. If this is the problem, correct it and re execute your report overlay. If the report overlay was not user-written, attempt to determine if your environment has been corrupted. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E521-cccc ILLEGAL REPORT TERMINATION..., USE 'CSVTERM'

Event: The current report overlay returned to Report Services via standard linkage. Although this is the standard method of returning to calling programs, E-SRF Report Services requires a call to Report Termination.

Action: This is either a programming error or a symptom of a corrupted E-SRF execution environment. If the report overlay was user-written, correct the improper branch and re execute the program. If the overlay was not user-written, attempt to determine if your environment has been corrupted. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E522-cccc DETAIL HEADING POINTER NOT PROVIDED

Event: The current report overlay called Report Services for field select processing without specifying the address of a detail heading line chain that will be used to build the field headings.

Action: This is either a programming error or a symptom of a corrupted E-SRF execution environment. If the report overlay was user-written, correct the problem and re execute the program. If the overlay was not user-written, attempt to determine if your environment has been corrupted. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E523-cccc 'CSVWIDTH' MUST BE BETWEEN 80 AND 255

Event: The current report overlay called Report Services with an invalid "CSVWIDTH" specification. CSVWIDTH specifies the width of a report print line.

Action: This is either a programming error or a symptom of a corrupted E-SRF execution environment. If the report overlay was user-written, correct the problem and re execute the program. If the overlay was not user-written, attempt to determine if your environment has been corrupted. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E524-cccc FIELD VECTOR NOT SUPPLIED

Event: The current report overlay called Report Services for field processing without specifying a field vector pointer.

Action: This is either a programming error or a symptom of a corrupted E-SRF execution environment. If the report overlay was user-written, correct the problem and re execute the program. If the overlay was not user-written, attempt to determine if your environment has been corrupted. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E525-cccc NO FIELD SPECIFICATIONS FOUND IN FIELD VECTOR

Event: The current report overlay called Report Services for field processing with a field vector that contains no datanames.

Action: This situation may be the result of one or more of the following occurrences:

A report overlay, such as ESRFLIST, was executed which expects a list of fields from the Command Processor and none was specified. Either specify a list of fields or do not run the overlay if there are no fields to report on.

A corrupted E-SRF environment or programming error has occurred. If the report overlay was user-written, correct the problem and re execute the program. If the overlay was not user-written, attempt to determine if your environment has been corrupted. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E526-cccc AGGREGATE FIELD WIDTH EXCEEDS MAXIMUM PRINT WIDTH

Event: Report Services detected the list of supplied fields will take more room to format than the print width pre-set by the report overlay.

Action: You have too many FIELD elements specified for the capacity of the print line. Remove some and re-execute the report overlay.

E527-cccc BEST WE COULD DO WAS: *characters* OUT OF: *maximum*, NOT GOOD ENOUGH

Event: Report Services attempts to establish line formatting based on user supplied datanames. The maximum number of characters that may appear on a single report line is a preset value. E-SRF attempted to "make the data fit" by reducing the inter-column spacing and truncating any "variable length" fields that may have existed. After all of this, the data is still too large to fit on a single line.

Action: You have too many FIELD elements specified for the capacity of the print line. Remove some of the fields, or attempt to use a different "LINEMODE" which may allow more fields to be formatted on the report, and re execute the overlay if required to do so.

E528-cccc REPORT RELATED STORAGE VIOLATION DETECTED

Event: Report Control detected a storage violation in the report overlay's report related storage at the time the storage was being returned to the storage pool. This message is posted prior to the RCP calling the E-SRF Storage Control Program to perform the actual "FREEMAIN" operation.

Action: This may be an indication of a programming error in the Event Reporting System, or more likely the report overlay itself. If the report overlay was user written, correct the problem and re execute the program. If the report overlay was not user written, attempt to determine if your environment has been corrupted. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E529-cccc EXTERNAL DATA DD: *ddname* NOT AVAILABLE UNDER REPORT DISTRIBUTION

Event: Report Control detected the external data port was specified for a report under report distribution. The use of the external data port DDNAME is only permitted for use by UNDISTRIBUTED reports.

Action: This is a user specification error. A report overlay that makes use of this facility is a special purpose program, not designed to actually produce a report that would be distributed. Examine the use of the external data port specification and the intent of the requested report overlay. Make sure you really need the external data port for the requested report overlay. Correct the error and resubmit the request if necessary.

E530-cccc EXTERNAL DATA DD: *ddname* NOT SUITABLE FOR OUTPUT

Event: Report Control detected the external data port was specified for a report and determined that the target dataset characteristics are not suitable as an external data port dataset.

Action: This is a user specification error. Make sure the DDNAME specified is really the DDNAME associated with the desired external data port required for the current report overlay. Make sure you really need the external data port, and are not confusing this specification with other specifications, such as the DDNAME specification. Correct the error and resubmit the request if necessary.

E531-cccc GROUP SELECTIONS DROPPED DURING REPORT DISTRIBUTION

Event: Report Control detected a user requested GROUP list while requesting report distribution. Report distribution, by definition creates group lists for the individual OWNERS dynamically for each OWNER during the report production cycle. Any user supplied group list is discarded during this process.

Action: This is a user specification error. There is no corrective action. The list is ignored.

E532-cccc OWNER SELECTIONS WILL AUGMENT REPORT DISTRIBUTION

Event: Report Control detected a user requested OWNER list while requesting report distribution. This list will be used to limit the scope of owners that will participate in the report production cycle.

Action: This is an informational message requiring no further action.

E533-cccc MAJOR REPORT CONTROL ERROR AT DISPLACEMENT: *displacement*

Event: Report Control detected a fatal error while setting up report production.

Action: This message is usually surrounded by other messages and is the culmination of a serious problem. This is an indication of a programming error in the Event Reporting System or more likely the report overlay itself. If the report overlay was user written, correct the problem and re execute the program. If the overlay was not user written, attempt to determine if your environment has been corrupted. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E534-cccc REPORT DISTRIBUTION DISABLED DUE TO GROUPING OPTIONS

Event: User requested report distribution with no grouping options in effect.

Action: Report distribution requires some type of grouping options in order to provide data separation. Because there are no grouping options in effect, the report will be produced in a non-distributed fashion. Accept the output as provided, or enable grouping (and possibly set up the required group structures), and re-submit the request.

E535-cccc INVALID RECORD LENGTH: *length* DETECTED ON DELIMITED TEXT OUTPUT RECORD

Event: An overlay is being executed that writes out a delimited text output file. The maximum length for this type of record is: 8194 characters. The current record being built has exceeded that length.

Action: This situation is under the control of the current executing report overlay. If there is a way to reduce the storage requirement, do so and re-submit the request. For example, the EKC supplied report overlay ESRFDXD produces this type of output file. To correct this situation, remove some of the FIELD specifications.

E536-cccc NUMBER OF 'DATANAME' SPECIFICATIONS EXCEEDS PROCESSING LIMIT

Event: E-SRF has a "loop control" limit of 580 dictionary datanames that may be specified in a sub-command, such as FIELDS. This was provided to detect possible loops created by other programs that may generate Event Reporting System command input.

Action: E-SRF will terminate the current report overlay. Correct the problem and re-execute the request if necessary. If you have a need for more than 580 datanames, please contact EKC Technical Support for assistance.

E537-cccc DELIMITED TEXT OVERRUNS BUILD BUFFER

Event: When Report Services builds a delimited text output file, it formats the data in fixed length fixed location slots in a "build area buffer". This allows inter-object processing. When a record has been totally formatted, it may be "trimmed" (if necessary) and outputted. During this process, it was determined that the build buffer area is not large enough to accommodate the formatted data.

Action: This situation should never occur. Please contact EKC Technical Support for assistance.

E538-cccc TRUNCATING VARIABLE LENGTH FIELDS IN AN ATTEMPT TO MAKE ROOM

Event: E-SRF is determining where to place fields on a particular report line. It has realized that the width of all data elements plus a single space between each element stills renders a line width requirement that exceeds the report width specification. E-SRF will now attempt to "shorten" any field marked as "variable length" one byte at a time until it either fits, or equals eight bytes in length.

Action: This situation occurs frequently, especially when large fields such as resource name are specified. This is normally not a problem unless either shortening does not solve the space problem, or the field becomes too small to be useful (such as an eight character dataset name). Review the report and determine if the shortened names are appropriate. If they are not, remove some of the fields, or format the report for a wider print window.

E539-cccc WARNING: FILE RECLEN: *length*, REPORT RECLEN: *length* ...TRUNCATION MAY OCCUR

Event: E-SRF opened a report output file and determined its record length. The user specified a WIDTH greater than this length. This message is posting a warning that the report will only be formatted as per the report output file record length. All other data to the right of the file record length will be truncated.

Action: This is a warning. The report will be formatted anyway. Normally reports are 133 characters wide, but it is possible to produce reports up to 255 characters. When you write data to a file, the laws of DCB information set forth in MVS prevail. Report Services will attempt to work around this situation by first determining the record length of the output file PRIOR to opening it. For example, if the output file has a DCB LRECL of 133, that is how E-SRF will open it... with a LRECL of 133. If there is NO LRECL, E-SRF will use whatever WIDTH the current report overlay is requesting.

Please note that after the report file is opened, whatever LRECL is in effect will prevail for THIS report DDNAME for the duration of the execution. If a subsequent report overlay requests a lesser width, the data will be formatted left aligned, padded with blanks. If the overlay requests a greater WIDTH, report data right truncation will occur.

Review your reports that will go to this report DDNAME to make sure everything was correctly specified. If it is, ignore this message. Otherwise, correct the situation and re-execute the E-SRF request.

E540-cccc ERROR: REPORT SERVICE CALL BAD RETURN CODE: *return code*, FUNCTION: *service function*

Event: When a report overlay makes a call to the Report Services Program (RSP), the function is executed and a return code is posted. When control is passed back to the report overlay, the return code is examined. If the return code is greater than four, this message will appear.

Action: This situation is an error. Actual disposition will depend on which function was requested and how important the function was to the particular report overlay. Other messages will accompany this message detailing the cause and result of this situation. It should be noted that this message should never appear. If it does, something is wrong and needs corrective action.

Analyze the message(s) and take whatever corrective action may be necessary. Re-submit the request if required to do so,

E541-cccc ERROR: DATANAME(S) VERIFICATION ERROR...SEE REPORT

Event: A specific Report Overlay called the Report Service Program (RSP) to verify the use of the Data Dictionary *datanames* specified. The verification process makes sure the combination of datanames are proper for the Report Overlay and the current parameters related to it. It was found that at least one specification was incorrect.

Action: This is a specification error situation. The datanames (and the parameter type) are displayed for your review. Correct the error and re-submit the request if necessary. Please note that the datanames may in fact be correct and other parameters may be in error. This test determined whether or not the currently specified datanames are correct under the current execution environment.

E542-cccc WARNING: *number of reports* REPORT(S) WERE BYPASSED DUE TO OUTPUT FILE ALLOCATED AS 'DUMMY'

Event: This message is posted to indicate that one or more report(s) produced by the current RUN command were written out to "dummy" output file(s). The use of "DUMMY" report files are controlled by the job's JCL statements.

Note: For performance purposes, if Report Services detects a DUMMY output file, no data is written to it. This means the Operating System will never receive report data associated with "DUMMY" files.

Action: This is an information message. Make sure that the use of a DUMMY ddname is what you really want to do. If there was more than one report produced by the current RUN statement, it was because some type of report distribution was in effect and one or more owner's ddname(s) was set to DUMMY.

E543-cccc ERROR: SPECIFIED REPORT CANNOT RUN USING 'GROUP' REPORT DISTRIBUTION

Event: A report overlay was executed that was not designed to run in a distributed mode. Normally, this means the information presented would be useless, and processing it would render undesirable results.

Action: The report is not run. Correct the RUN command by removing the DISTRIBUTE specification or supply the correct report overlay name. If you feel that this message was issued in error, or need help in determining why this message was presented, please contact EKC Technical Support for assistance.

E544-cccc SPECIFICATION: *specification type* NOT UTILIZED BY REPORT OVERLAY: *report overlay*

Event: A report overlay was executed with an automatic report formatting service that is not utilized by the report overlay.

Action: The specification is ignored and the report continues to execute.

This is an informational warning message. Correct the RUN command by removing the specifications names in the message, or supply the correct report overlay id for future executions. If you feel that this message was issued in error, or need help in determining why you received this message, please contact EKC Technical Support for assistance.

E545-cccc WARNING: REPORT OUTPUT ALREADY OPEN, 'CTLCHAR' SPECIFICATION WILL BE IGNORED'

Event: A report overlay was executed which specified the CTLCHAR (control character) specification. The report was NOT the first report to write to the requested target report output file.

Action: The specification was ignored. CTLCHAR options for a specific report output file must be specified on the first report that writes to the particular report output file. File characteristics established for a particular report output file cannot be changed by subsequent report executions.

E546-cccc INVALID UDE: *dictionary dataname*, SERVICE CALL: *report service call*

Event: Report Services Facility (RSP) attempted to bind a particular set of operating information to a Dictionary Dataname Element (UDE) and determined that the condition of the UDE was unsuitable.

Action: The report execution is terminated. This is most likely an internal error and normally requires assistance from EKC Technical Support.

E547-cccc EXPANDING SHRINKABLE FIELD: "*dictionary dataname*" TO FILL UP PRIMARY SLACK

Event: Report Services Facility (RSP) determined that your report is executing under a *LINEMODE* other than *standard*. The line did not completely fit on the primary line, and was split between the closest data field. There were slack bytes remaining after the last field on the primary line. A shrinkable field was also detected on the primary line that was previously shrunk in an attempt to fit all data within the reporting width. The shrinkable field was expanded in an effort to use up the slack bytes left on the primary line.

Action: This is an informational message requiring no further action.

E548-cccc EXPANDING SHRINKABLE FIELD: "*dictionary dataname*" TO MAKE ROOM ON SECONDARY LINE

Event: Report Services Facility (RSP) determined that your report is executing under a *LINEMODE* other than *standard*. The line did not completely fit on the primary line, and was split between the closest data field. There were slack bytes remaining after the last field on the secondary line. A shrinkable field was also detected on the secondary line that was previously shrunk in an attempt to fit all data within the reporting width. The shrinkable field was expanded in an effort to use up the slack bytes left on the secondary line.

Action: This is an informational message requiring no further action.

E549-cccc LINEMODE CONFIGURATION CAUSES A *number* CHARACTER OVERAGE WHICH WILL BE TRUNCATED

Event: Report Services Facility (RSP) determined that your report is executing under a *LINEMODE* other than *standard*. The line did not completely fit on the primary line, and was split between the closest data field. Data fields are not split between lines. Because of this and other possible formatting requirements, it was impossible to fit all required data on the formatted lines. The truncation will occur with the last field working toward the front of the field list.

Action: This is an informational message that may not require any further action. Depending on the particular report overlay, it may be possible to rearrange your field list to get a better formatting arrangement.

E550-cccc LINEMODE CONFIGURATION WARNING: *warning message*

Event: Report Services Facility (RSP) attempted to dynamically reformat report overlay output as per your *LINEMODE* specification. This is performed based on control information supplied within report heading lines. If there are any issues detected during this process, this message will appear with text explaining what the situation was.

Action: This is an informational message that may not require any further action. Depending on the particular report overlay, it may be undesirable to execute under the *LINEMODE* specified, with the reporting window set to the values chosen. Splitting lines and how they appear may drastically change with changes made to the report window width (*WIDTH*) specification. Look over the report and decide if the appearance is suitable for its intended applications. Make corrective adjustments if necessary.

E551-cccc LINEMODE: *linemode*, MAX: *number*, WINDOW: *number*, OVERLAY: *number*, WIDTH: *number message*

Event: The current *LINEMODE* setting and information relating to linemode processing is displayed for your evaluation during report execution initialization processing.

LINEMODE: Indicates the specified *LINEMODE* controlling the report formatting.

MAX: Maximum number of bytes formatting information is restricted to.

WINDOW: Reporting width of a single report line.

OVERLAY: Maximum formatting width as specified by the executing report overlay.

WIDTH: Physical reporting data width, as dictated by the target report output file.

Action: This is an informational message requiring no further action. This information may be useful while attempting to determine why reports are formatted the way they.

Section 11. Storage Management Messages

The following messages are issued from the E-SRF Storage Management Program (SCP).

E600-cccc ALLOCATING POOL STORAGE SEGMENT: *segment* FOR POOL: *pool*

Event: An E-SRF Pooled Storage GETMAIN was issued. This was because even after storage compression, none of the currently allocated pooled storage segments contained enough contiguous storage to satisfy the request. An additional segment was allocated and made available for pooled storage access.

Action: This is an informational message requiring no further action. Extensive storage usage statistics are provided at E-SRF termination for you to use to evaluate virtual storage usage.

E601-cccc MVS GETMAIN FAILURE: BYTES REQUESTED: *bytes*

Event: A GETMAIN was issued for a piece of operating system-provided virtual storage using the standard MVS "GETMAIN" macro call. The request was unsuccessful.

Action: The number of requested bytes is indicated in the message. This problem is usually the result of an insufficient maximum "region" specification at the time of execution. Depending on the options selected and the size of the Masterfile, the execution may require hundreds of megabytes of storage.

This message indicates the problem. Other messages indicate the action, which varies depending on how bad the requested storage is needed. Correct the problem and re-submit the request. If it is not possible to adjust the region parameter, review the options in effect which may have resulted in the abnormally high storage requirement and adjust as required. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E604cccc INVALID POOLED STORAGE POOL ID: *pool* FUNCTION: *function*

Event: An E-SRF Pooled Storage GETMAIN was issued. The requested storage pool was invalid.

Action: This is an internal ESRF programming error. Please contact EKC Technical Support for assistance.

E605-cccc GETMAIN FAILURE DETECTED WITH NO REQUESTED RECOVERY

Event: A GETMAIN was issued for a piece of operating system provided virtual storage that failed with no requester recovery option in effect.

This is the same situation as E601, except control is not returned to the caller because the call was considered "unconditional".

Action: The Storage Control Program has no alternative other than to ABEND the current execution.

E610-cccc CREATING POOLED STORAGE ADDRESS SPACE FOR POOL: *pool*

Event: E-SRF Pooled Storage normally resides in a Data-Only address space. When it is determined that pooled storage is required for processing, the E-SRF storage management routines build the pooled storage environment. This message indicates the default use of a data only address space for this purpose and it is now in use.

Action: This is an informational message and requires no action.

E611-cccc ERROR EXECUTING SERVICE: *service request* CODE: *function* REVERTING TO LOCAL

Event: The E-SRF Storage Control program was attempting to create a secondary address space. This process requires the use of Operating System service calls to be performed. This message indicates a failure to complete one of those requests.

Action: This is a very serious situation. This will cause ESRF to operate in a manner that will place constraints on the size of your Masterfile. In an effort to continue executing, ESRF will acquire Pooled Storage from the LOCAL address space.

Normally these errors are site dependent. If the use of a secondary address space may be avoided, please set your operating parameters as such to complete the current execution.

Provide the necessary resolution of this problem by discussing this with your system's programmer. You may have to run this in a specifically conditioned environment because of site limitations on the use of certain MVS facilities.

Please consider that E-SRF executes as a NON-APF authorized system (*just like a normal user application*). This means it is not in a position to override site restrictions (*as are most other utilities that use these facilities*).

If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

Section 12. Trace Management Messages

The following messages are issued from the E-SRF Debugging Trace Management Program (TRP).

Trace functions are never active during normal operation. The purpose of this facility is to assist in debugging programming errors within E-SRF, and is normally invoked under the direction of EKC Technical Support.

E650-cccc SYSTEM TRACE HAS BEEN TURNED ON

Event: This message is posted to verify system trace is active. A trace table is built which contains a chronological list of events. When the table fills up, it wraps around overlaying the oldest entries. E-SRF abnormal termination routines will print this table in chronological order.

Action: This is an informational message requiring no further action.

E651-cccc SYSTEM TRACE HAS BEEN TURNED OFF

Event: This message is posted to indicate tracing activity has been terminated.

Action: This is an informational message requiring no further action.

E652-cccc INTERNAL TRACE TABLE

Event: E-SRF trace facility is about to print the internal trace table. This message is posted before trace events are printed.

Action: This is an informational message requiring no further action.

E653-cccc END OF INTERNAL TRACE TABLE

Event: This message indicates all entries contained on the internal trace table have been printed.

Action: This is an informational message requiring no further action.

E654-cccc UNABLE TO OPEN EXTERNAL TRACE DATASET... MISSING DD

Event: The output DDNAME specified for external tracing was either missing or unsuitable.

Action: The current internal trace function is still active, but external tracing is not being performed. Correct the problem and re-issue the command.

E655-cccc PREVIOUS EXTERNAL TRACE DATASET HAS BEEN CLOSED

Event: E-SRF system termination routines detected the external trace dataset open when attempting to honor another request for external tracing. The previous DD is closed before the current requested one is opened.

Action: This is an informational message requiring no further action.

E656-cccc EXTERNAL TRACE DATASET HAS BEEN OPENED

Event: This message is posted to indicate the external trace dataset has been successfully opened and is receiving trace data.

Action: This is an informational message requiring no further action.

Trace Management Messages

E657-cccc ABEND_0C1 DEBUG OPTION MATCHUP... CAUSE 0C1

Event: E-SRF provides a trace option that will purposely cause an "0C1" (operations exception) in the trace program at a particular trace event. This was provided to facilitate a test of portions of E-SRF under TSO test.

When the 0C1 appears and you are in TSO test, you are able to set breakpoints. If you are not in TSO test, MVS will recover from the ABEND as it would from any other type of ABEND.

Action: This is an informational message. Your 0C1 trap is set.

Section 13. Update Overlay Messages

The following messages are issued by the Resident Security System (RSS) Update Overlays directly.

Each supported RSS has a set of four Update overlays. The following messages are posted by these overlays. Each RSS provide access controls in its own way; not all messages relate to all RSSs.

E700-cccc STARTING *image id* IMAGE CONFIGURATION FOR: *RSS name*

Event: The Image Configure function was requested for a particular image using a particular Resident Security System. This message indicates that control was transferred to the configuration program and the configuration has been started.

Action: This is an informational message requiring no further action.

E701-cccc IMAGE CONFIGURATION HAS BEEN COMPLETED

Event: This message is posted to indicate the Image Configure function has been completed and control is being transferred back to the Command Processor.

Action: This is an informational message requiring no further action.

E702-cccc STARTING *image id* IMAGE SYNCHRONIZATION FOR: *RSS name*

Event: The Synchronize function was requested for a particular Image. This message indicates that control was transferred to the synchronizer program and the synchronization has been started.

Action: This is an informational message requiring no further action.

E703-cccc RSS SYNCHRONIZATION HAS BEEN COMPLETED

Event: This message is posted to indicate the RSS Synchronization function has been completed and control is being transferred back to the Command Processor.

Action: This is an informational message requiring no further action.

E704-cccc STARTING *RSS name* DAILY EVENT UPDATE

Event: The Event Update function was requested for a particular Resident Security System. This message indicates that control was transferred to the Update overlay for the named RSS and the update process has been started.

Action: This is an informational message requiring no further action.

E705-cccc DAILY EVENT UPDATE HAS BEEN COMPLETED

Event: This message is posted to indicate the Event Update function has been completed and control is being transferred back to the Command Processor.

Action: This is an informational message requiring no further action.

E706-cccc START OF INVALID USERID LIST

Event: The Update Overlay indicated the following USERIDS are unknown. These USERIDS are not updated on the Masterfile. The only place they are reported is on the update control report after this message.

Action: This is an informational message requiring no further action.

Update Overlay Messages

E707-cccc END OF INVALID USERIDS, OCCURRENCES: *number*, UNIQUE *number*

Event: This message indicates the end of the invalid USERID list. "OCCURRENCES" indicates the total number of invalid USERIDs detected, "UNIQUE" indicates the number of USERIDs involved.

Action: This is an informational message requiring no further action.

E708-cccc WARNING: MASTERFILE UPDATE IN PROGRESS WITH CACHE INACTIVE

Event: This message is informing you that you are attempting to update the Masterfile with the caching facility inactive. Although it is possible to process this way, it will take a considerable amount of execution time as opposed to running with the cache activated.

The update will continue to run (in what is commonly referred to as: "*dog mode*").

Action: This is an informational message requiring no further action. However, it is highly recommended that you run update processing with the cache active. Please read about Masterfile caching and its effects in the *E-SRF User Guide* and the *Event System Command Reference*.

E709-cccc RSS: *RSS name* , NOT CURRENTLY SUPPORTED BY E-SRF

Event: The named RSS is not available for the version of E-SRF you are running.

Action: The RSS you specified is not available. If it is currently supported, contact EKC Technical Support for information on how it may be made available to you.

E710-cccc UNABLE TO OPEN SMF INPUT FILE

Event: The Update overlay called the Update Control Program (UCP) to open the SMF input file. The UCP was unable to perform the request.

Action: Review other messages indicating why the SMF file could not be opened. Correct the problem and re-attempt the update.

E711-cccc END OF SMF INPUT DATA DETECTED

Event: The Input/Output Program (IOP) detected end of data on the SMF input dataset.

Action: This is an informational message requiring no further action.

E712-cccc UNABLE TO READ SMF INPUT RECORD

Event: The Update Overlay program called the Update Control Program (UCP) to obtain the next sequential SMF record and was not successful. This will cause the current update to be terminated.

Action: This is an informational message that is associated with other messages relating to the failure. Review the entire set of messages and attempt to resolve the problem. If you cannot or not sure how to do this, please contact EKC Technical Support for assistance.

E714-cccc SMF SECURITY RECORD ID: *number*

Event: This message posts the SMF record ID that will be considered for the Event Update. All other SMF record types will be ignored.

Action: This is an informational message requiring no further action.

E715-cccc UNABLE TO LOCATE FDR DATANAME: *FDR dataname* IN ACF2 FDR

Event: The ACF2 RSS Image Configuration Overlay attempted to locate the named Logonid field in the ACF2 Field Definition Record (FDR) and was unable to do so.

Action: The ACF2 FDR is only used by E-SRF during the ACF2 RSS Configuration process, and only if the output from ESRFACFP is not being used.

The ACF2 FDR currently being referenced was provided by executing a MVS LOAD request against the FDR load module. The target is not a valid or complete FDR, or the execution environment has been corrupted.

If the FDR is not available, or is not adequate, consider running ESRFACFP and using its output to run your ACF2 IMAGE Configuration..

Correct the problem and re-execute the configuration. If you are not able or not sure how to do this, please contact EKC Technical Support for assistance.

E716-cccc SMF SECURITY RECORDS PROCESSED: *number*

Event: This message is posted every 10,000 SMF selected records processed to inform you of the update's progress. Please note that many more SMF records may have been read which were not selected for update. Additionally, a single SMF record selected for update may cause numerous E-SRF objects to be updated. At the end of the update process statistics are provided for your evaluation.

Action: This is an informational message requiring no further action.

E717-cccc USERID RECORDS PROCESSED: *number*

Event: This message is posted every 1,000 userids synchronized to the Masterfile during the synchronization process. At the end of the synchronization process statistics are provided for your evaluation.

Action: This is an informational message requiring no further action.

E718-cccc RSS USERID INPUT FLAT FILE (DD: *ddname*) NOT ALLOCATED

Event: The RSS synchronization overlay called the Input/Output program (IOP) in an attempt to open the flat file that is required as input for synchronizing userids to the Masterfile. The IOP was unable to perform the request because the DDNAME was not found within the job's execution environment.

Action: Add the proper DD statement to the JCL and re-attempt the function. See the *Command Reference* for information about the DDNAME and other characteristics about this process.

E719-cccc READING *RSS type* USERID INPUT DATA; DDNAME: *ddname*

Event: This message is posted to confirm the use of the named userid input file as input to the current RSS synchronization process.

Action: This is an informational message requiring no further action.

E720-cccc INVALID/UNKNOWN SECURITY LOG RECORD TYPE

Event: The E-SRF Update Overlay being executed has read a journal record created by the Resident Security System and is unable to determine how to process it. This message will appear with a storage dump of the record the first sixteen times this situation occurs. One of the following three things has occurred:

The RSS journal data is not from a real RSS journal file.

A new RSS journal record was introduced to the environment after the Update Overlay was developed.

A programming error exists in the Update Overlay.

Action: Make certain that you are processing the correct RSS journal data, which includes reviewing any installation specific modifications that may exist. If this is the case, make the proper adjustments, and re-run the E-SRF Update function.

If the first situation is not the case, have the E-SRF's SYSPRINT output available and contact EKC Technical Support for assistance.

Please note that E-SRF update processing will not allow you to update the Masterfile more than once with the same journal input. Depending on how far things progressed, you may have to RESTORE your Masterfile from a previous backup and rerun this update as well as other updates that were applied after the backup was taken.

E721-cccc INSERT RSS SPECIFIC ELEMENTS IN DICTIONARY

Event: This message indicates the Masterfile's Data Dictionary is being upgraded with specific data fields provided by the configuration overlay for the Resident Security System.

Action: This is an informational message requiring no further action.

E722-cccc ACF2 FDR APPEARS TO HAVE NO CFDE ENTRIES

Event: The ACF2 RSS Image Configuration Overlay attempted to locate CFDE chain in the ACF2 Field Definition Record (FDR) and was not able to find it.

Action: The ACF2 FDR is only used by E-SRF during the ACF2 RSS Configuration process, and only if the output from ESRFACFP is not being used.

The ACF2 FDR currently being referenced was provided by executing a MVS LOAD against the FDR load module. The target is not a valid or complete FDR, or the execution environment has been corrupted.

If the FDR is not available, invalid, or is not adequate, consider running ESRFACFP and using its output to run your ACF2 IMAGE Configuration.

Correct the problem and re-execute the configuration. If you are not able to do this, or not sure how, contact EKC Technical Support for assistance.

E723-cccc UNABLE TO ACCESS ACF2 FDR

Event: The ACF2 RSS Image Configuration Overlay attempted to locate the ACF2 Field Definition Record (FDR) and was not able to find it.

Action: The ACF2 FDR is only used by E-SRF during the ACF2 RSS Configuration process, and only if the output from ESRFACFP is not being used.

The ACF2 FDR currently being referenced was provided by executing a MVS LOAD against the FDR load module. The target is not a valid or complete FDR, or the execution environment has been corrupted.

If the FDR is not available, invalid, or is not adequate, consider running ESRFACFP and using its output to run your ACF2 IMAGE Configuration.

Correct the problem and re-execute the configuration. If you are not able to do this, or not sure how, contact EKC Technical Support for assistance.

E724-cccc INTERNAL PARAMETER FILE ERROR... CONFIGURATION ABORTED

Event: An RSS Configuration function was requested using the output from the RSS parameterization program (ESRFxxxP). The configuration function was unable to identify the data contained on this file.

The parameter data record will be posted on the control report, with the bad data indicated with an asterisk (assuming it occurred within the print span of the control report).

This situation should never occur.

Action: Make sure the input is really the output from the "ESRFxxxP" program. Make sure if you edited it, it was done correctly. Additionally, each RSS may have parameters that are unique to the particular RSS. Make sure you are processing the correct file for the RSS being configured.

Review the above action, take corrective steps to resolve the problem. If the problem persists, please contact EKC Technical Support for assistance

E725-cccc UNABLE TO OPEN USERID SYNCHRONIZATION INPUT, DD: *ddname* , RC: *return code*

Event: The RSS synchronization overlay called the Input/Output Program (IOP) in an attempt to open the flat file that is required as input for synchronizing userids to the Masterfile. The IOP was unable to perform the request because of an error during MVS open processing.

Action: Review the posted return code, as well as messages that may have been posted by the IOP. Make the appropriate corrections and re-attempt the function. See the *Command Reference* for information about the DDNAME and other characteristics about this process.

E726-cccc UNABLE TO READ USERID SYNCHRONIZATION INPUT, DD: *ddname* , RC: *return code*

Event: The RSS synchronization overlay called the Input/Output Program (IOP) in an attempt to read the next record from the flat file containing the userid information and was not able to do so because of an error during MVS GET processing.

Action: Review the posted return code, as well as messages that may have been posted by the IOP. Make the appropriate corrections and re-attempt the function. See the *Command Reference* for information about the DDNAME and other characteristics about this process.

E727-cccc START OF UNEXPIRED ROLLOFF OBJECT TABLE

Event: The Update Control Program determined that one or more objects contained more current data than the maximum established limit would allow to be stored on the Masterfile. The data is stored on a pushdown stack, meaning the oldest data for a given object is pushed off the end if there is insufficient element capacity.

What is displayed in the list is the OBJECT KEY (resource name, etc.), followed by the number of array elements rolled off.

Action: This is an informational message requiring no further action. However, you should look over the objects that are being rolled off. Chances are you are "over logging" the resource, or if you really need all the data that is being rolled off, consider extending the element capacity or shortening the retention of the particular object.

E728-cccc END OF UNEXPIRED ROLLOFF OBJECT TABLE, OCCURRENCES: *number*, UNIQUE *number*

Event: This message indicates the end of the unexpired rolloff table. "OCCURRENCES" indicates the total number of rolloffs detected, "UNIQUE" indicates the number of objects involved.

Action: This is an informational message requiring no further action.

Update Overlay Messages

E729-cccc ATTEMPT TO CONFIGURE AN EXISTING IMAGE WITHOUT SPECIFYING 'RESET'

Event: You are attempting to configure an E-SRF security IMAGE on the Masterfile that already exists. E-SRF will not allow this unless you specify RESET. This provision was made to prevent the definition of an existing image in error.

Action: Either specify the correct IMAGE identifier to configure a new IMAGE or add the RESET sub-parameter to re-configure an existing IMAGE.

E730-cccc EXISTING IMAGE RESET DUE TO USER REQUEST

Event: You have configured an existing IMAGE (Image already exists and RESET was specified). The image actually did exist and was reconfigured.

Action: This is an informational message requiring no further action.

E731-cccc IMAGE: *Image ID* DOES NOT EXIST WITHIN E-SRF

Event: You are attempting to access an IMAGE on the Masterfile that currently does not exist.

Action: The IMAGE you are requesting is not defined to the Masterfile. If this is a CONFIGURE, remove the "RESET" request, or correct the request by supplying the correct IMAGE id.

E732-cccc IMAGE: *image ID* CANNOT BE USED AS AN IMAGE ID

Event: An IMAGE id was specified that is inappropriate for the intended use, such as the specification of SYSTEM when defining an image.

Action: Pick a different IMAGE id. And re-submit the request if necessary.

E733-cccc USERID FORCE DELETE IN PROGRESS FOR IMAGE *image ID*

Event: A request was made to "force" delete all users within the image shown in this message. The Update Control program (UCP) will tag all User Header (UA) object(s) that match the current request and are not already deleted as being deleted using the current date as the delete date.

Action: This is an informational message requiring no further action.

E734-cccc DOMAIN SUMMARY FOR THIS UPDATE FUNCTION

Event: At the conclusion of an event update function, an update summary is published. Part of this summary is a recap breaking down the event activity into a summary of counts for each domain where update activity was detected. This message provides a way to identify this portion of the update summary.

Action: This is an informational message requiring no further action.

E735-cccc END OF DOMAIN SUMMARY

Event: This message is posted at the conclusion of the domain activity recap indicated by message E734.

Action: This is an informational message requiring no further action.

E736-cccc UNABLE TO OPEN RSS PARAMETER DATASET: *ddname*, RC: *code*

Event: An IMAGE configuration for a specific Resident Security System (RSS) was attempted using an external parameter dataset containing the RSS information previously extracted using the ESRFxxxP program. The RSS Configuration Overlay attempted to open this dataset (named by the **ddname** specified in this message). The open failed with the return code specified in this message.

Action: Do the normal problem determination when an open failure is detected. This includes making sure you have a DD card in your JCL that matches your specification for the configuration you are attempting. Make sure the dataset is really the dataset that was produced by ESRFxxxP. If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

E737-cccc UNABLE TO READ RSS PARAMETER DATASET: *ddname*, RC: *code*

Event: An IMAGE configuration for a specific Resident Security System (RSS) was attempted using an external parameter dataset containing the RSS information previously extracted using the ESRFxxxP program. The RSS Configuration Overlay attempted to read a record from this dataset (named by the **ddname** specified in this message). The read failed with the return code specified in this message.

Action: Do the normal problem determination when a read failure is detected. Normally you get this because the DCB information is inconsistent with what E-SRF is expecting from this particular input dataset. Make sure the dataset is really the dataset that was produced by ESRFxxxP. If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

E738-cccc ERROR EXECUTING *RSS type* INTERFACE *attempted request CALL*, RC: *code*

Event: A request was made using the EKC utility to process a particular Resident Security System's extracted data file and was unsuccessful. Please note that not all supported RSS processors use this facility.

Action: Make sure that the E-SRF common components were installed. Examine other messages that may accompany this message. Do not assume that because the facility worked in one particular RSS it will work in all of them. Each RSS has its own implementation and the failing facility may not be used on the RSS that appeared to work. If you are unable or unsure how to proceed with resolving this problem, please contact EKC Technical Support for assistance.

E739-cccc UPDATE PROCESSING EXCEPTION LIST

Event: The UPDATE Function was executed and it was determined that processing exceptions were detected. This message was posted on the control report in an effort to log these exceptions.

Action: Review the exceptions and determine if they apply or can be ignored. Normally, they are RSS dependent. If you are unable or unsure how to proceed with this evaluation, please contact EKC Technical Support for assistance.

E740-cccc INVALID UPDATE PARAMETER SPECIFICATION

Event: The UPDATE Function was executed with a user supplied parameter field. Each Update Function overlay has its own requirements (if any) for this data, and edits the data specifically for its use. An error was detected while this data was being evaluated.

Action: Review the error and the information supplied in the E-SRF Event System Command Reference in an attempt to correct the problem. There may be other messages or commentary describing the problem. If you are unable or unsure how to proceed with the required analysis, please contact EKC Technical Support for assistance.

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Section 14. Update Control Program (UCP) Messages

The following messages are issued by the E-SRF Update Control Program in response to calls made by the Update Overlays.

E750-cccc ENTER UPDATE: *overlay name*

Event: The Command Processor called the Update Control Program requesting a Resident Security System (RSS) Event Update. This message is posted to indicate the intent to execute the named Event Update overlay.

Action: This is an informational message requiring no further action.

E751-cccc UPDATE RETURN MESSAGE: *message text*

Event: The currently executing update overlay has called the Update Control Program for update termination and has passed an optional message to be presented on the control report.

Action: This message is posted when an event detected by the update overlay needs to be indicated. See the *Command Reference* to determine the meaning and action, if any, required by the message.

E752-cccc UPDATE FUNCTION COMPLETED

Event: The currently executing update overlay has called the Update Control Program for normal update termination.

Action: This is an informational message requiring no further action.

E753-cccc UPDATE ABNORMALLY TERMINATED... CODE: *completion code*

Event: The currently executing update overlay has called the Update Control Program for update termination and has passed a non-normal completion code.

Action: This message is posted when the update is being terminated with a return code other than zero. Other messages accompanying this message will assist you in determining what went wrong and what to do about it. Make the necessary corrections and re-execute the update function.

E754-cccc READING SMF INPUT FROM DDNAME: *ddname*

Event: The Update Control Program posts this message to indicate the name of the current SMF input DDNAME being processed by the current update function.

Action: This is an informational message requiring no further action.

E755-cccc END OF UPDATE INPUT DETECTED

Event: End of file was detected on the Resident Security System's journal file.

Action: This is an informational message requiring no further action.

E756-cccc SMF INPUT STATISTICS:

Event: The Update Control Program is about to post statistics accumulated while processing the SMF input dataset.

Action: This is an informational message requiring no further action.

E757-cccc EXPIRED DATA PURGE NOT PERFORMED BECAUSE CACHE IS NOT ACTIVE

Event: This message will only occur if you have a special programming modification that does not allow purging of the Masterfile with cache processing inactive.

THIS SITUATION SHOULD NEVER OCCUR.

The UCP attempts to purge off all expired event data from the Masterfile prior to actually updating if the date of the last purge is not equal to the current date. This operation is very I/O intense and will take too long unless the Masterfile CACHE option is active. The UCP detected the CACHE was not active.

Action: Update processing continues with the expired data still on the Masterfile. At some point, run an update with the CACHE on so the expired data gets dropped from the Masterfile.

E758-cccc DICTIONARY UPGRADE NOT PERFORMED

Event: The UCP was called to upgrade the Data Dictionary and was unable to do so. This message is a summary of other messages that will explain what happened.

Action: Review other messages indicating why the operation was not performed. Correct the problem and re-attempt the update.

E759-cccc NEW DICTIONARY DATANAME OVERRIDES PREVIOUS: *dataname*

Event: The UCP was called to upgrade the dictionary with a dataname that already exists on the dictionary. The current dataname is updated with the information contained in the upgrade.

Action: This is an informational message requiring no further action.

E760-cccc DATA DICTIONARY HAS BEEN UPGRADED, ELEMENTS=*count*

Event: The UCP has successfully upgraded the Data Dictionary.

Action: This is an informational message requiring no further action.

E761-cccc MASTERFILE CONTROL INFORMATION INITIALIZATION IS IN PROGRESS

Event: The UCP was called to INITIALIZE the control information contained on the Masterfile. This message indicated the acceptance of the request and its initiation.

Action: This is an informational message requiring no further action.

E762-cccc ESTABLISH MINIMUM SYSTEM DATA DICTIONARY

Event: The UCP is attempting to establish a minimum Data Dictionary consisting of datanames only. Resident Security System datanames are not applied here... they are applied during their respective CONFIGURATION function.

Action: This is an informational message requiring no further action.

E763-cccc ACTIVE DICTIONARY... CANNOT RESET

Event: The UCP was requested to rebuild the Masterfile control structures and Data Dictionary. The UCP detected the existence of a valid Data Dictionary and therefore did not reset it.

Action: This is a warning message. The Masterfile Data Dictionary is still as it was prior to this command. If you want to rebuild the Data Dictionary, see the *Command Reference* to determine how to set the "Reset" attribute.

E764-cccc SYSTEM DICTIONARY RESET

Event: The UCP was requested to rebuild the Masterfile control structures and Data Dictionary. The UCP detected the existence of a valid Data Dictionary and the "Reset" attribute was in effect so the Data Dictionary was reset.

Action: This is an informational message requiring no further action. Remember to upgrade the Data Dictionary with the Resident Security System elements (if required) by executing their respective CONFIGURATION functions.

E765-cccc MASTERFILE INITIALIZATION HAS BEEN COMPLETED

Event: The UCP has successfully initialized the Masterfile.

Be advised that this function DOES NOT REMOVE ANY EVENT DATA from the Masterfile.

Only certain internal data structures are initialized by this command, which include the SYSTEM Dictionary.

Action: This is an informational message requiring no further action.

E766-cccc DICTIONARY CAPACITY IS: *number*

Event: The UCP has successfully upgraded the Data Dictionary and is indicating its current capacity.

Action: This is an informational message requiring no further action. For more information about the Data Dictionary capacity and its effect on E-SRF, please reference the *Event System Masterfile and Data Dictionary Reference*.

E767-cccc ADDING / DELETING DICTIONARY ENTRIES FOR IMAGE: *IMAGE id*

Event: An E-SRF Data Dictionary is about to be built for the named IMAGE. This message will be accompanied by another message indicating the action taken when the operation has been completed.

Action: This is an informational message requiring no further action.

E768-cccc NO DICTIONARY DATANAME TABLE PRESENTED

Event: The UCP was called to upgrade the Data Dictionary and did so without the dictionary upgrade table.

Action: This indicates a programming error or a corrupted executing environment. Attempt to determine the nature of the problem. Review other messages that may assist you in pinpointing the failure. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E769-cccc CANNOT VERIFY DICTIONARY DATANAME TABLE

Event: The Update Control program (UCP) was called to upgrade the Data Dictionary and did so with a dictionary upgrade table that could not be recognized.

Action: This indicates a programming error or a corrupted executing environment. Attempt to determine the nature of the problem. Review other messages that may assist you in pinpointing the failure. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E770-cccc DICTIONARY CAPACITY HAS BEEN EXCEEDED

Event: An attempt to add entries to the Data Dictionary has caused the table to exceed the maximum capacity.

Action: Contact EKC Technical Support for assistance.

Update Control Program Messages

E771-cccc MASTERFILE EXPIRED DATA PURGE IN PROGRESS

- Event: The UCP will automatically purge all expired event data from the Masterfile the first time the Event Update function is executed in a given day. This message indicates the purge process has begun.
- Action: This is an informational message requiring no further action.

E772-cccc MCP RETURN CODE: *return code* GREATER THAN 20

- Event: The UCP has made a call to the Masterfile Control Program (MCP) and the MCP's response was a return code greater than 20. This is a serious situation and should never occur.
- Action: This indicates a corrupted E-SRF Masterfile or executing environment, or a programming error. Attempt to determine the nature of the problem. Review other messages that may assist you in pinpointing the failure. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E773-cccc RECURSIVE UPDATE FACILITY CALL

- Event: The UCP was called to initiate an Event Update when in fact there is already one running. This is a serious situation.
- Action: This indicates a corrupted executing environment or a programming error. Attempt to determine the nature of the problem. Review other messages that may assist you in pinpointing the failure. If you are unable or not sure how to do this, contact EKC Technical Support for assistance.

E774-cccc UNKNOWN RESIDENT SECURITY SYSTEM: *RSS id*

- Event: The UCP was called to perform an Event Update for a Resident Security System (RSS) that has not been internally defined to the Masterfile.
- Action: This indicates a corrupted execution environment, or a programming error. The request to update an invalid RSS should have been detected earlier in the process. Attempt to determine the nature of the problem. Review other messages that may assist you in pinpointing the failure. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E775-cccc UNABLE TO LOCATE UPDATE OVERLAY: *overlay name*

- Event: The UCP attempted to locate the specified update overlay program and was unable to do so. This means the MVS program load failed. The most common reasons for this are that the program was missing from the load library concatenation, or there was not enough virtual storage to load the program.
- Action: Attempt to determine the nature of the problem. Review other messages that may assist you in pinpointing the failure. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E776-cccc UNABLE TO VERIFY UPDATE OVERLAY: *overlay name*

- Event: The UCP loaded a specific update overlay, but was not able to verify that the loaded program was indeed an update overlay. The overlay may have been in storage from a previous execution and has been overlaid.
- Action: This indicates a corrupted execution environment, or a programming error. Attempt to determine the nature of the problem. Review other messages that may assist you in pinpointing the failure. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E777-cccc SMF UPDATE INPUT ALREADY PROCESSED BY ESRF

- Event: The UCP was called to execute an Event Update with an SMF input file it has already processed.
- Action: This is an operational error. You cannot re-apply information that is already on the Masterfile. The update request is terminated and subsequent processing continues.

E778-cccc UNABLE TO LOCATE UPDATE CONTROL OBJECT

Event: The UCP was called to execute an Event Update. The Update Control Object is referenced to initiate each update function. The Update Control Object could not be located.

Action: This indicates a corrupted Masterfile or executing environment, or a programming error. Attempt to determine the nature of the problem. Review other messages that may assist you in pinpointing the failure. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E779-cccc UNABLE TO LOCATE MINIMUM DATA DICTIONARY INITIALIZATION MODULE

Event: The UCP attempted to locate the minimum system Data Dictionary data table module and was unable to do so. This means the MVS program load failed. The most common reasons for this are that the program was missing from the load library concatenation, or there was not enough virtual storage to load the program.

Action: Attempt to determine the nature of the problem. Review other messages that may assist you in pinpointing the failure. If you are unable or not sure how to do this, please contact EKC Technical Support for assistance.

E780-cccc EXPIRED E-SRF DATA ALREADY PURGED TODAY

Event: The UCP attempted to automatically purge expired data prior to applying update to the Masterfile. In doing so, it was determined that the process was already done sometime earlier this day.

Action: The purge was not performed. This is an informational message to direct you to a previous update run this day for the purge information. No action is required.

E781-cccc UPDATE DATE RANGE WAS: *mm/dd/yy* to: *mm/dd/yy*

Event: The UCP applied the entire transaction update. This message informs you of the earliest and latest dates encountered in this particular update process request.

Action: This is an informational message requiring no further action.

E782-cccc DATA PREVIOUSLY UPDATED INCORRECTLY... MASTERFILE CORRUPTED

Event: You are attempting to rerun an update that was previously executed in error. The Update Control Program (UCP) keeps track of individual update runs and whether or not they were properly completed. Not only was this particular update previously executed, but it never completed properly.

Action: One must assume the Masterfile is corrupted. Go back to the last backup and restore the Masterfile's VSAM cluster. Afterwards, re-run all the necessary update runs to get your Masterfile current.

E783-cccc SKIPPING PREVIOUSLY PROCESSED DATA APPLIED ON: *mm/dd/yy*

Event: The UCP detected that the input being presented for update was already processed and is assuming new data may have been appended to the end of the previous update. The Update Control program (UCP) will skip the number of records contained in the previous update and re-test the new data again. This will continue until either end of data is detected on the input file or the UCP locates data it did not previously process, and then begins to process it.

Action: This is an informational message requiring no further action. Please note that the same input file may contain one or more "strippings" of security journal data. This is UCP's attempt to process journal files maintained in this manner.

Update Control Program Messages

E784-cccc ...UPDATE INPUT RECORDS SKIPPED: *number*

Event: The UCP detected that the input being presented for update was already processed and is assuming new data may have been appended to the end of the previous update. E-SRF will skip the number of records contained in the previous update and post the number of skipped records in this message. This message concludes the action described in message E783 for a particular set of input update journal records.

Action: This is an informational message requiring no further action.

E785-cccc DOMAIN ASSIGNMENT REQUESTED

Event: The Image Control Program (ICP) is about to make a DOMAIN assignment to a particular IMAGE.

Action: This is an informational message requiring no further action.

E786-cccc DOMAIN(*domain id*) '*domain name*', HAS BEEN ASSIGNED TO IMAGE(*image id*)

Event: The Image Control Program (ICP) has made the assignment indicated by message E785.

Action: This is an informational message requiring no further action.

E787-cccc DOMAIN(*domain id*) NO LONGER ASSIGNED TO IMAGE(*image id*)

Event: The Image Control Program (ICP) has removed a previous assignment of a DOMAIN to a particular IMAGE.

Action: This is an informational message requiring no further action.

E788-cccc CANNOT UPDATE: DOMAIN(*domain ID*), IMAGE(*image ID*), *reason*

Event: E-SRF cannot apply update against the named DOMAIN because of the reason indicated in the message.

Action: Attempt to determine the nature of the problem. Review other messages that may assist you in pinpointing the failure. Make sure your assignments are correct and you are processing the correct input using the correct update overlay (RSS specification). If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

E789-cccc * ERROR *** I/O ERROR DETECTED READING SMF DATA... FORCE END OF FILE**

Event: The Input/Output Program (IOP) SMF file processor detected an error reading the input SMF dataset.

Action: Attempt to determine the nature of the problem. Review other messages that may assist you in pinpointing the failure. Make sure the input file is a real SMF file and is in standard SMF format. Maybe the file was never closed by the job that created it, or the data was modified in such a manner that the IOP is not able to process it as real SMF data. If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

E790-cccc DELETED USER RETENTION DAYS: *days*, FROM OBJECT: *object id*, PURGE DATE: *mm/dd/yy*

Event: The Update Control Program (UCP) is about to purge expired objects from the Masterfile. In the case of the User Header (UA), the actual retention date is the largest retention days assigned to a user object. This may or may not be the number of days assigned to the UA object itself. This message posts this information on the control report.

<i>Days</i>	the number of days before deleted UA headers are purged
<i>Object id</i>	user object that had the greatest retention days specified
<i>mm/dd/yy</i>	user purge calendar date

Action: This is an informational message requiring no further action.

- E791-cccc OBJECT RETAIN VALUES ADJUSTED AS PER PROCESSING REQUIREMENTS'**
- Event: E-SRF Update Function is about to purge expired objects from the Masterfile. The RETAIN specifications were analyzed and changes had to be made to maintain integrity of related data across segments.
- Action: This is an informational message requiring no further action. If you want to know why this occurred, please refer to the RETAIN command in the Command Reference.
- E792-cccc START OF EXCLUDED USERID LIST**
- Event: The Update Overlay indicated the following USERIDs are excluded from processing. These userids are not updated on the Masterfile. The only place they are reported is on the update control report after this message.
- Action: This is an informational message requiring no further action.
- E793-cccc END OF INVALID USERIDS, OCCURRENCES: *number*, UNIQUE *number***
- Event: This message indicates the end of the excluded USERID list. "OCCURRENCES" indicates the total number of excluded userids detected. "UNIQUE" indicates the number of individual userids involved.
- Action: This is an informational message requiring no further action.
- E794-cccc DOMAIN(*domain id*) MATCHES MASK(*domain mask*) BUT CANNOT BE REMOVED, DUE TO MASKING REQUIREMENTS**
- Event: The Image Control Program (ICP) was called to remove Domain assignments based on specific Domain ID(s). The assignment's Domain ID logically matched the assignment only because the Domain ID specified in the assignment was *masked*. The assignment was retained because it is possible (currently, or in your future plans) to relate the assignment to other Domains that would logically relate to the assignment.
- Action: The domain assignment was retained. If you wish to remove it, you may do so using the ASSIGN command as described in the *E-SRF Event System Command Reference publication*. Care should be exercised when removing masked Domain assignments.
- E795-cccc BUILDING IMAGE AND DOMAIN STRUCTURES**
- Event: The Image Control Program (ICP) was called to build Image and Domain structured based on the current definitions existing on the Masterfile. Assuming no further messages relating to this function appear, you can assume the function was successfully executed. All subsequent references to the Image and Domain structures will be performed against the structures now provided.
- Action: This is an informational message requiring no further action.
- E796-cccc UNABLE TO LOAD IMAGE DICTIONARY ENTRY MODULE: *modulename***
- Event: A request was made to load a specific IIMAGE dictionary entry module and was not able to do so. This module is a Resident Security System (RSS) level requirement. It may or may not be required depending on the RSS. When it is required, it must be present. For example, ACF2 does not require one and it does not have one. RACF does require the module and it MUST be available.
- Action: Find out why the module was not available. More than likely this is a user error. If you are not able to do this, or need assistance, please contact EKC Technical Support for assistance.

E797-cccc IMAGE DICTIONARY REBUILD COMPLETE FOR RSS: *rss name*, RC: *return code*

Event: A request was made to rebuild a particular IMAGE data dictionary. Normally this is because something changed in the nature the RSS is configured. It may even be performed during a Masterfile upgrade conversion.

Action: Print a dictionary report (by running ESRFLIST) and examine the dictionary for the named IMAGE. If you supplied your own names for fields (using the rendered file from ESRFxxxP) you may have to re-run ESRFxxxP and "adjust the output" and RECONFIGURE the target IMAGE using the adjusted file as input. If this is not the case, this becomes just an informational message.

E798-cccc REBUILDING ALL *rss type* USER DICTIONARIES

Event: A request was made to rebuild the User header (UA) Masterfile object data dictionaries for a particular RSS (Resident Security System).

Action: This is an informational message and usually the result of an internal data structures conversion initiated by E-SRF. Perhaps a Masterfile Upgrade requested this service. There is no action required. The information is simply logged for possible reference.

Section 15. Initialization/Shutdown Messages

The following messages are issued by E-SRF during either startup or shutdown of an E-SRF session.

E901-cccc UNABLE TO CONFIGURE E-SRF NUCLEUS... EXECUTION IMPOSSIBLE

Event: The E-SRF nucleus was not properly built and configured for your session.

Action: This is a summary of messages that indicate the nature of each detected problem. Review these messages and take whatever action may be necessary to resolve the problem. If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

E902-cccc UNABLE TO LOAD OR RECOGNIZE ESRF\$CCA

Event: The first step in building the E-SRF execution nucleus is to load ESRF\$CCA, which is the Common Control Area of the Event Reporting System. The system initialization program attempts to load and verify this program prior to building the nucleus, but was not able to do so.

Action: Normally, this means the module was missing or corrupted. Make sure the module exists in the load library you are executing from; make sure there is enough virtual storage to host loading and running E-SRF in the target region. Take whatever corrective action may be necessary to resolve the problem. If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

E903-cccc UNABLE TO LOAD NUCLEUS MODULE: *module id*

Event: E-SRF attempts to build its nucleus by loading each component into virtual storage prior to executing commands. This message indicates a particular module was not able to be loaded.

Action: Normally, this means the module was missing or corrupted. Make sure the module exists in the load library you are executing from, make sure there is enough virtual storage to host loading and running the Event Reporting System in the target region. Take whatever corrective action may be necessary to resolve the problem. If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

E904-cccc UNABLE TO RECOGNIZE NUCLEUS MODULE: *module id*

Event: The Event Reporting System attempts to build its nucleus by loading each component into virtual storage prior to executing commands. This message indicates a module was not verified as by the Event Reporting System.

Action: Normally, this means the module was corrupted or possibly back-leveled. Take whatever corrective action may be necessary to resolve the problem. If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

E905-cccc UNABLE TO INITIALIZE NUCLEUS MODULE: *module id*

Event: The Event Reporting System attempts to initialize each nucleus module by entering the module's initialization entry point. This message indicates a particular module's initialization routine was unsuccessful.

Action: Typically, there will be other messages associated with this message. Take whatever corrective action may be necessary to resolve the problem. If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

E908-cccc RECOVERABLE PROGRAM ERROR OCCURRED IN: *module id*

Event: The Event Reporting System's error recovery detected an error in the named module. The current processing was encapsulated with an error recovery routine extension that is about to be entered.

Action: This is an error. Something that was supposed to be performed is not going to happen. Processing will continue with some type of error recovery. Typically, there will be other messages associated with this event. Take whatever corrective action may be necessary to resolve the problem. If you are unable or unsure how to do this, please contact EKC Technical Support for assistance.

Section 16. APPENDIX A - System Abend Codes

E-SRF will issue a program termination ABEND in the event that abnormal situations occur. Prior to issuing the ABEND messages may be posted relating to the abnormal situation. These messages, in addition to the ABEND, may be used to assist you in determining the cause and resolution of the problems that lead up to this type of action.

The normal problem determination procedures should be used to correct the problem. If you are not able to, or are not sure how to do this, please contact EKC Technical Support for assistance.

The actual ABEND code is a standard four-character user ABEND number associated with the issuance of the Operating System's ABEND macro.

0900 **xxx UNABLE TO LOAD ESRF\$SIP MODULE**

Event: The Command Processor attempted to load the Event Reporting System's processing nucleus. The process involves loading the initialization program, which in turn loads the remaining nucleus components and builds the processing environment. This ABEND indicates ESRF\$SIP could not be loaded.

Action: This usually means your job was not associated with the load library containing E-SRF. Determine the name of the load library that contains E-SRF and make sure your job is associated to it using the proper JCL. Additionally, make sure the module exists.

Review the operating System messages relating to the failed load to determine other reasons for the failure. If you are unable to or are not sure how to resolve this problem, contact EKC Technical Support for assistance.

0901 **SIP SYSTEM INITIALIZATION FAILURE**

Event: The E-SRF System Initialization Program attempted to build and initialize the Event Reporting System's execution environment and was unable to do so.

Action: Review the operating System messages posted on the operator's console relating to the failure and take corrective action. If you are unable to or are not sure how to resolve this problem, contact EKC Technical Support for assistance.

0902 **SIP SYSPRINT OPEN ERROR**

Event: The E-SRF System Initialization Program attempted to open the SYSPRINT DD for the purpose of maintaining a control report. The OPEN service request failed.

Action: This is normally due to a missing DD statement in the JCL for SYSPRINT. Check your JCL and make sure SYSPRINT is properly defined as a 133 character FBM dataset capable of receiving standard 133 character print output. E-SRF cannot execute without this dataset. You may specify DUMMY, but this is not recommended.

0908 **xxx PROGRAM CHECK DETECTED DURING E-SRF EXECUTION**

Event: Last resort error recovery is afforded by an ESTAEX routine. If this routine receives control, it means further execution is impossible. Normally either something is corrupted or there is a programming defect in the system.

Action: Error recovery and other status information is written to the SYSPRINT control dataset (if the system is stable enough). This information may be reviewed by you, or passed along to EKC Technical Support for evaluation. Normally, most errors may be resolved without the need for a storage dump. When reporting events of this nature it is possible that a storage dump may be needed and will be requested. Otherwise, attempt to see if the problem may be corrected locally. If it can, make the corrections and re-submit the execution if required. If the problem cannot be resolved locally, please contact EKC Technical Support for additional assistance.

0909 xxx UNSCHEDULED TERMINATION DETECTED DURING E-SRF EXECUTION

Event: E-SRF is terminating in an unplanned manner. This is normally the result of an error. It may be a user error, or a programming defect within the E-SRF system itself. In either case, processing cannot continue.

Action: Review all messages posted on the operator's console and on the SYSPRINT Control Report. The error may be a user error. If this has been determined, make the necessary adjustments and re-submit the execution if required. If the problem is not a user error, or you are unsure how to make that determination, please contact EKC Technical Support for further assistance.

0932 RSP UNABLE TO IDENTIFY ESRF CONTROL BLOCKS

Event: The E-SRF Report Services Program examined the Event Reporting System's environment and determined it was not suitable for system execution. Various control blocks are checked for validity.

Action: This error normally occurs when users attempt to write their own report overlays and/or user exits. There may be messages associated with this ABEND. Remove the user written overlays and exits and re-run the job. If the problem persists, and you are not sure how to proceed, contact EKC Technical Support for assistance.

0933 RSP ATTEMPT TO EXECUTE REPORT OVERLAY AS A STAND ALONE PROGRAM

Event: An E-SRF Report Overlay was executed as a "stand alone" program, either specified in an EXEC JCL statement or loaded and called by something other than the E-SRF Report Control program.

Report Overlays are special programs that only contain report creation logic. Logic to actually acquire data and format the reports is contained in the E-SRF Report Control and Report Services programs and must be executed as part of the E-SDRF execution environment.

Action: If this report is desired, run it under the E-SRF Event Reporting environment, (managed by the E-SRF Event Reporting Command Processor). For information on how this is done, please refer to the *E-SRF Event Reporting User's Guide* or the *E-SRF Event Reporting Command Reference*.

0950 xxx GENERAL PROCESSING ERROR (SEE MESSAGE)

Event: A component in the Event Reporting System determined it was unable to continue.

Action: Action is dependent on the situation. All problem resolution information will be associated with the posted messages.

0952 xxx BAD RETURN FROM GETMAIN REQUEST

Event: A component in the Event Reporting System issued a request for storage in a critical point of processing that the Event Reporting System's Storage Manager (SCP) was not able to satisfy. The situation was so critical that the requester was unable to continue.

Action: Look at all messages issued up to the ABEND. Normally, this means the executing environment was storage constrained. Correct the situation that lead to the storage shortage and re-execute the job. If you are not able to do this or are not sure how to, contact EKC Technical Support for assistance.

0960 MCP STATIC STORAGE ALREADY EXISTS

Event: The Masterfile Control Program's initialization routine attempted to acquire static storage and determined that it already exists.

Action: This is either a corruption of the Event Reporting System's execution environment or a programming error. Remove any user written overlays and exits and re-execute the request. If the problem persists, contact EKC Technical Support for assistance.

0961 MCP VSAM ERROR HAS OCCURRED

Event: A severe VSAM error has occurred and Event Reporting System determined it could not continue and maintain any system integrity.

Action: There will be messages and other information posted on the control report prior to this ABEND being issued. These messages contain various VSAM related control data. Using the VSAM manuals, determine what is incorrect and correct the problem. If you need assistance, contact EKC Technical Support for assistance.

0962 MCP COULD NOT ADD DEFAULT CONTROL RECORD

Event: The Masterfile Control Program (MCP) determined it had to place default control record(s) on the Masterfile and was unable to do so.

Action: There will be messages and other information posted on the control report prior to this ABEND being issued. Review these messages and take the appropriate action. If you need assistance, contact EKC Technical Support for assistance.

0963 MCP COULD NOT ADD DEFAULT DICTIONARY

Event: The Masterfile Control Program (MCP) determined it had to place a default minimum system Data Dictionary on the Masterfile and was unable to do so.

Action: There will be messages and other information posted on the control report prior to this ABEND being issued. Review these messages and take the appropriate action. If you need assistance, contact EKC Technical Support for assistance.

0964 MCP MASTERFILE NOT AT SYSTEM LEVEL

Event: The Masterfile Control Program determined the current Event Reporting System's Masterfile is incompatible with the Event Reporting System's current software level.

Action: Either the VSAM dataset is not really an Event Reporting System Masterfile or you have regressed your Event Reporting System's software level lower than the current Masterfile's level.

This situation is common when a new version of E-SRF is installed and the Event Reporting System is tested using a particular Masterfile. The new software will upgrade the Masterfile to its processing level. When you later attempt to run the older software release against the upgraded Masterfile, this ABEND will result.

The Event Reporting System's masterfile is UPWARD compatible, but NOT DOWNWARD compatible. If you get yourself into this situation, you have two choices to recover.

- Cut over to the new software immediately
- Restore the masterfile VSAM cluster using the last backup, and forward recover the masterfile to where it was just BEFORE the new programs were used.

Please note that as of release 1.4 (9810-ESP4), the UPGRADE process must be authenticated by supplying the keyword UPGRADE on the Command Processor's entry parameter, normally through JCL.

If you are not able to determine why you received this ABEND, or are not sure how to, please contact EKC Technical Support for assistance.

0965 MCP BAD RETURN FROM STORAGE CONTROL

Event: The Masterfile Control Program made a call to Storage Control and the request was not successfully processed.

Action: Look at all messages issued up to the ABEND. Normally, this means the executing environment was storage constrained. Correct the situation that led to the storage shortage and re-execute the job. If you are not able or not sure how to do this, please contact EKC Technical Support for assistance.

0969 MCP Bad return from Compress/Decompress processor.

Event: The Masterfile Control Program (MCP) made a call to the Compress/Decompress Program (CDP) to process a Masterfile object. CDP presented a "non zero" return code in response to the operation.

Action: Look at all messages issued up to the ABEND. Normally, this is an internal error and may only be addressed by EKC Technical Support. The Masterfile may be corrupt and may have to be restored. Attempt to correct the situation that lead to the ABEND and re-execute the job. If you are not able or not sure how to do this, please contact EKC Technical Support for assistance.

0970 MFP UNABLE TO LOAD MESSAGE TEXT TABLE

Event: The Message Formatting Program (MCP) attempted to load the specified message table from the E-SRF product load library and the load operation failed.

Action: The normal message table is ESRF\$MT, but may be overridden by Event Reporting System options. If you overrode the default, make sure you specified a correct module name, and the module is indeed a correct E-SRF message table residing in the E-SRF product load library.

Review the operating system messages relating to the failed load to determine other reasons for the failure. If you are not able or not sure how to do this, please contact EKC Technical Support for assistance.

0971 MFP INVALID MESSAGE TEXT TABLE

Event: The Message Formatting Program successfully loaded the specified message table from the E-SRF product load library and was not able to verify that it is indeed a valid message table.

Action: The normal message table is ESRF\$MT, but may be overridden by Event Reporting System options. If you overrode the default, make sure you specified a correct module name, and the module is indeed a correct Event Reporting System message table residing in the E-SRF product load library.

If you are running the normal default message table, make sure it was not corrupted. If you are not able to do this or are not sure how to resolve this problem, contact EKC Technical Support for assistance.

0990 SCP STORAGE VIOLATION DETECTED

Event: The Event Reporting System Storage Manager (SCP) detected a storage violation during either a "GETMAIN" or "FREEMAIN" request.

When SCP provides storage to a requester, it maintains control information in front of the storage. A portion of that information is placed at the end of the storage area. During SCP processing (normally during a *FREEMAIN* operation), the control information is checked for validity. If the information is incorrect, it is assumed that the storage was overlaid. This condition weakens the integrity of the Event Reporting System. If allowed to proceed, could result in a corrupted Masterfile, as well as ABENDS that would be difficult to determine the cause of the error.

Action: The system is ABENDED after SCP posts information (*if it is able to*) about the violation. The cause is always a software programming error.

If you have any user-written report overlays or exits executing, remove them and retry the request. If the problem does not recur, you may assume the error was in the custom programming.

If you are not running any user-written report overlays or exits, make sure you are at the correct product maintenance. If you are not able to do this or are not sure how to resolve this problem, contact EKC Technical Support for assistance.

0991 SCP UNABLE TO OBTAIN OPERATING SYSTEM STORAGE

Event: The E-SRF Storage Manager (SCP) attempted to issue a MVS "GETMAIN" for storage on behalf of a caller's request for storage. The request failed and there was no caller error return. This is considered an "UNCONDITIONAL GETMAIN".

Action: Look at all messages issued up to the ABEND. Normally, this means the executing environment was storage constrained. Correct the situation that lead to the storage shortage and re-execute the job. If you are not able to do this or are not sure how to resolve this problem, contact EKC Technical Support for assistance.

0998 SCP UNABLE CREATE A SECONDARY DATA ONLY ADDRESS SPACE

Event: The E-SRF Storage Manager (SCP) attempted to create a secondary data-only address space and was unable to do so.

Action: Please review all messages associated with this ABEND. Make sure your environment will tolerate this type of processing.

Review information found in the *E-SRF Event Reporting Command Reference* and the *E-SRF Event Reporting User's Guide* for more information. If you are not able to do this or are not sure how to resolve this problem, contact EKC Technical Support for assistance.

0999 UNKNOWN ABEND REQUEST

Event: The Event Reporting System's Abnormal Termination Facility was requested, but the proper ABEND code was not supplied.

Action: Look at all messages issued up to the ABEND. The ABEND is real, but the ABEND code is missing. The missing ABEND code may be a programming defect in the Event Reporting System and should be reported to EKC Technical Support. The ABEND however, may not have been a programming defect, and therefore still must be addressed.

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Section 17. APPENDIX B - Time error codes

- E-SRF edits time information inputted by the command processor. You may use any supported time format, regardless of how you have set time information to be displayed. E-SRF will attempt to determine the format of the time as entered and convert it into a common format which may be used for subsequent E-SRF processing.
- In the event that an error is detected, the data will be considered to be an error, and a code is provided to indicate where the editing found difficulty in converting the time information as you entered it.
- Use the error code to assist in correcting the error and re-submit the request if required to do so.

rc: 01 Hours are not numeric

Test: The hours must be a two position numeric field.

Action: Supply the correct hours, based on the chosen format. Make sure that you supply a leading zero if the hour is less than 10.

rc: 02 Invalid separator between the hours and minutes

Test: There must be a colon ":" between the hours and minutes.

Action: Supply the proper separator,

rc: 03 Minutes are not numeric

Test: The minutes must be a two position numeric field.

Action: Supply the correct minutes. Make sure that you supply a leading zero if the minutes are less than 10.

rc: 04 Invalid separator after the minutes

Test: There must be a separator after the minutes. If using *Military* time format, this separator must be a colon ":". If using *Standard* time format, this separator must be a blank character,

Action: Supply the correct separator character.

rc: 06 Invalid seconds specified for Military time

Test: It is assumed that Military time is being used. The seconds must be numeric, and be between 00 and 59.

Action: Supply the correct seconds. Make sure that you supply a leading zero if the minutes are less than 10.

rc: 07 Invalid hours specified for Military time

Test: It is assumed that Military time is being used. The hour must be numeric, and be between 00 and 24.

Action: Supply the correct hour. Make sure that you supply a leading zero if the minutes are less than 10.

rc: 08 Invalid 24:00 hours specified for Military time

Test: The greatest time value for military time is 24:00 hours. If there are any minutes or seconds, this is considered an error.

Action: If the time is truly 24:00, correct the hours and minutes. Otherwise correct the hours.

TIME Error Codes

rc: 09 Invalid minutes specified for Military time

Test: It is assumed that Military time is being used. The minutes must be numeric, and be between 00 and 59.

Action: Supply the correct minutes. Make sure that you supply a leading zero if the minutes are less than 10.

rc: 10 Incorrect AM/PM specification for Standard time

Test: It is assumed that Standard time is being used. A twelve hour clock is used, morning is determined by AM, evening is determined by PM. Neither was detected.

Action: Supply the correct AM/PM specification. This is done after the blank separator that follows the minutes.

rc: 11 Invalid hours specified for Standard time

Test:: It is assumed that Standard time is being used. The hour must be numeric, and be between 00 and 12.

Action: Supply the correct hour. Make sure that you supply a leading zero if the hour is less than 10.

rc: 12 Invalid minutes specified for Standard time

Test: It is assumed that Standard time is being used. The minutes must be numeric, and be between 00 and 59.

Action: Supply the correct minutes. Make sure that you supply a leading zero if the minutes are less than 10.

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