

StorageTek Expert Performance Reporter

ExPR Messages Guide

Version 6.1



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Submit comments about this document to STP_FEEDBACK_US@ORACLE.COM.

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Revision History

EC Number	Date	Revision	Description
132453	May, 2006	A	This document applies to ExPR Release 6.1.
	June 2010	AB	Rebranding.
	August 2011	AC	Updated support URLs and added a notification that the ExPR PC Component is now in sustain support only and will not have further engineering changes. The ExPR PC Component was effectively replaced by the ExPR Web-based GUI in ExPR Release 6.1.

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Preface

This book provides information about messages that may be generated by Oracle's StorageTek Expert Performance Reporter's MVS component. This book is a reference for administrators, system programmers, and operators who may perform ExPR MVS functions and submit ExPR jobs.

Related Documentation

The following list contains the names and order numbers of publications that provide additional information about ExPR.

Function	Title	Part Number
	Introduction to ExPR	312631901
Administrator	ExPR Installation, Configuration and Administration Guide	312632001
User	ExPR Mainframe User's Guide	312632101
User	ExPR Client User's Guide	312632201
Administrator	ExPR MONTAPE/MONREPT Guide	312632401

The ExPR documentation is available online at:

<http://docs.sun.com/app/docs/prod/stortek.expr>

Documentation, Support and Training

Function	URL
Web Site	http://www.oracle.com/index.html
Documentation	http://www.oracle.com/technetwork/indexes/documentation
Downloads	http://www.oracle.com/technetwork/indexes/downloads/index.html
Support	http://www.oracle.com/us/sun/index.htm
Training	http://www.oracle.com/global/us/education/sun_select_country.html
Online Account	https://reg.sun.com/register

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Chapter 1: Introduction

Overview

This book lists error, warning, and informational messages that may be generated by ExPR. Messages are listed in numerical sequence. Where appropriate, information is included to help you determine why the message was produced and steps you should take to correct the problem.

Message Types

ExPR messages are identified by an eight-character message ID in the format

XPRnnnn%

where:

XPR	Identifies the message as an ExPR message.
<i>nnnn</i>	Is the message number.
%	Indicates if the message is for an error (E), a warning (W), or is for informational (I) purposes.

Syntax Note: ACS and LSM Identifiers are decimal numbers, not hexadecimal.

Various ExPR control statements have an ACS and/or LSM parameter in the format ACS(*aaa*) and LSM(*aaa ll*), where *aaa* and *ll* numbering starts at 000 and 00 respectively. Please note that these are decimal identifier numbers, not hexadecimal. For example, the second LSM attached to the third ACS is identified as LSM(002 01).

Chapter 2: ExPR MVS Messages

Overview

This chapter lists messages that may be generated by ExPR, along with an explanation of probable causes, and recommended actions.

ExPR MVS Messages

Message ID	Description
XPR0000I	<p>Product Generation/Service Level – Date Time Identifier</p> <p>Issued at the start of execution to identify the exact version, release, and modification level of ExPR for product support purposes.</p>
XPR0001I	<p>Error Opening UPRIN</p> <p>The UPRIN DD is either missing or not pointing to a valid dataset (QSAM, 80 bytes fixed).</p> <p>Check the console log for more information.</p>
XPR0002I	<p>Error Opening CONFIG/CDSCONF/CONFIGX</p> <p>CONFIG/CDSCONF/CONFIGX is either missing or not pointing to a valid dataset (QSAM, 80 bytes fixed). Check the console log for more information. This message occurs if you have chosen not to use auto-configuration by commenting out the CDSCONF DD statements. Message XPR0045I is also issued when auto-configuration is inactive.</p>
XPR0003E	<p>Unclosed Quotes</p> <p>A syntax error was found in the ExPR control statements. Quotation marks must be entered as shown in the control statement examples.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>

Message ID	Description
XPR0004E	<p>Unmatched Parenthesis</p> <p>A syntax error was found in the ExPR control statements. Parentheses must be entered as shown in the parameter tables.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0005E	<p>No Delimiter (*/) on Final Statement</p> <p>A syntax error was found in the ExPR control statements. A */ delimiter is required after each block of comments (/*...comments...*/).</p>
XPR0006E	<p>No Delimiter (Semicolon) on Final Statement</p> <p>A syntax error was found in the runtime control statements... A semicolon delimiter is required after each keyword statement.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0007I	<p>Parameter File Processing Completed Successfully</p> <p>ExPR has read and validated all control statements, and no errors were found. Requested functions are then performed.</p>
XPR0008E	<p>Parameter File Processing Ended, Errors Detected</p> <p>A syntax error was found in the ExPR control statements. This message is issued with another message that indicates a probable cause.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0009I	<p>Last Statement Processed was _____ / Parameter _____ - Statement no _____</p> <p>This supplementary diagnostic message assists in determining which ExPR control statement is in error. The statement number value is the sequence number of the erroneous statement within the complete control statement sequence (excluding comment statements).</p>
XPR0010E	<p>Parameter _____ Unrecognized</p> <p>A syntax error was found in the ExPR control statements, possibly a missing semicolon delimiter at the end of the previous statement.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>

Message ID	Description
XPR0011E	<p>Expecting Keyword Before _____</p> <p>A syntax error was found in the ExPR control statements, possibly an open parenthesis with no preceding keyword caused by a misplaced semicolon delimiter, or by a missing keyword subparameter.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0012E	<p>Too Many Parameters Specified</p> <p>The statement identified in the accompanying XPR0009I message has too many parameters within a bracketed pair. Some examples of this are the INPUT DD(...) statement and various specifications of ACS and LSM numbers.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0013E	<p>_____ Does Not Accept Value Operands</p> <p>A syntax error was found in ExPR control statements, possibly a missing keyword or a misplaced parenthetical entry. The statement parser has found a sub-parameter where none is expected/acceptable.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0014E	<p>Expected Numeric Value, Found _____</p> <p>A syntax error was found in ExPR control statements, where a numeric value was expected but a non-numeric value was found.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0015E	<p>Cannot Process Numeric/Hex Value, _____ Too Large</p> <p>A syntax error was found in ExPR control statements, where more than the allowable number of digits were entered.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>

Message ID	Description
XPR0016E	<p>ACS _____ Invalid, Outside Range 0-255</p> <p>A syntax error was found in ExPR control statements, where an invalid ACSid was entered.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0017E	<p>Expected Date as yyyyddd, Found _____</p> <p>A syntax error was found in ExPR control statements, where a date was entered that was not in the expected format.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0018E	<p>Value _____ is Invalid – Valid Syntax is _____</p> <p>A value error was found in an ExPR control statement. This is normally a numeric value that has been specified as too low or too high. The acceptable syntax is also listed.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0019I	<p>Processing AUTO-CONFIG/CONFIG/UPRIN Statements Processing Host Configurator Statements</p> <p>This message is issued as ExPR processes each of the three input statement sections, CDSCONF, CONFIG, and UPRIN. This message will assist you in identifying erroneous control statements.</p> <p>The second form of the message is issued when a network Host Configurator client sends an updated host configuration to the mainframe.</p>
XPR0020E	<p>Device Addr _____ Invalid, Outside Range 0000-FFFF</p> <p>A syntax error was found in ExPR control statements, where an invalid device address was entered.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0021E	<p>Channel Path _____ Invalid, Outside Range 00-FF</p> <p>An error was found on a CHPATH statement. The channel path ID is not in the range 00 through FF.</p> <p>Enter a valid range.</p>

Message ID	Description
XPR0022E	<p>Incomplete Parameter Set for this Statement – _____</p> <p>A syntax error was found in ExPR control statements, where an incomplete set of the required or minimum parameters was specified.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0023E	<p>Open Error on SMFSORTI</p> <p>SMFSORTI failed to open. This may be due to an incorrect DD statement.</p> <p>Review SYSLOG/UPRPRINT for additional MVS diagnostic messages.</p>
XPR0024E	<p>Error Writing to SMFSORTI, Record No _____ , Length _____</p> <p>An error occurred while writing an SMF record to SMFSORTI.</p> <p>Check SYSLOG/UPRPRINT for additional MVS diagnostic messages. SMFSORTI may have insufficient disk space allocated or the LRECL may be too short.</p>
XPR0025E	<p>Dataset Mask Format Error: _____</p> <p>Identifies an invalid dataset workload group mask specification.</p> <p>The valid error codes are:</p> <ul style="list-style-type: none"> 00 – undefined error 04 – illegal char in dataset name 08 – invalid node specified 12 – ends in period or non-blanks 16 – Multiple wildcards (**) <p>Refer to the <i>ExPR Installation, Configuration, and Administration Guide</i> for valid mask formats. ExPR will only accept dataset names that are syntactically valid for MVS.</p>
XPR0026E	<p>Open Error on _____</p> <p>The named file failed to open correctly. There are many possibilities for this message. Review the SYSLOG/UPRPRINT for additional MVS diagnostic messages.</p>

Message ID	Description
XPR0027I	<p>CONFIG Dataset Successfully Copied to CONFIGX</p> <p>The ExPR started task has successfully processed the user configuration settings. The current values are saved in CONFIGX DD as a backup in case subsequent dynamic updates corrupt these settings.</p> <p>This message is issued after each successful startup of the ExPR started task.</p>
XPR0028E	<p>Invalid REPORT NAME or External Module</p> <p>A REPORT statement is missing either the NAME parameter or the report name/external module name is invalid or unknown.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0029E	<p>Job Workload Mask Format Error in _____ Reason _____</p> <p>Identifies an invalid job workload mask as specified by a MAP JOBNAME control statement.</p> <p>Refer to the <i>ExPR Installation, Configuration, and Administration Guide</i> for valid mask formats. The MAP JOBNAME statements are generated by the Host Configurator application.</p>
XPR0030E	<p>Internal Tables Full – Too Many Statements or Parameters</p> <p>During user statement processing, the total of all CDSCONF, CONFIG, and UPRIN statements (excluding comment statements) has caused the internal tables to fill up.</p> <p>Review the quantity of input statements and remove any defunct system definitions or devices that no longer exist. It may be necessary to copy the CDSCONF file (CDSCONF) into your CONFIG file and edit it to reduce the size. You can then deactivate auto-configuration by removing the CDSCONF DD statement. Currently the limit is approximately 12,800 statements.</p>
XPR0031E	<p>Database Initialization SHOWCB Failed</p> <p>An internal VSAM file handling error occurred during database initialization.</p> <p>Contact StorageTek Software Support.</p>
XPR0032E	<p>Database Initialization Failed: Missing DD Statement</p> <p>A VSAM file open error occurred during database initialization.</p> <p>Check for the correct DDNAME.</p>

Message ID	Description
XPR0033E	<p>Database Initialization Failed: Open Error</p> <p>Database initialization failed because the database initialization module could not open the file.</p> <p>Check the console log for more information.</p>
XPR0034E	<p>Database Initialization Failed: Not a KSDS</p> <p>The database initialization failed because the DDNAME does not point to a valid dataset.</p> <p>Check the console log for more information.</p>
XPR0035E	<p>Database Initialization Failed: Close Error</p> <p>Database initialization failed because the database initialization module could not close the database correctly.</p> <p>Check the console log for more information.</p>
XPR0036E	<p>Database Initialization Failed: Open Error</p> <p>The second open of the database has failed.</p> <p>Check the console log for more information.</p>
XPR0037E	<p>Database Initialization MODCB Failed</p> <p>An internal error occurred during database initialization.</p> <p>Contact StorageTek Software Support.</p>
XPR0038E	<p>Database Initialization Failed: Database Not Empty</p> <p>The database initialization failed because the database has already been initialized.</p>
XPR0039E	<p>Database Initialization Failed: Couldn't Write Control Record</p> <p>An internal error occurred during database initialization.</p> <p>Check that the VSAM definition is consistent with ExPR requirements (i.e., not below minimum record length, etc.).</p>
XPR0040I	<p>Database Initialized Successfully</p> <p>The requested PERFORM INITIALIZE function has completed successfully.</p>

Message ID	Description
XPR0041E	<p>Database Initialization ERASE Failed</p> <p>An internal error occurred during database initialization.</p> <p>Contact StorageTek Software Support.</p>
XPR0042E	<p>Database Initialization GET Failed</p> <p>An internal error occurred during database initialization.</p> <p>Check that the VSAM definition is consistent with ExPR requirements (i.e., not below minimum record length, etc.).</p>
XPR0043E	<p>GETMAIN Error – Insufficient Storage – Ensure REGION=64M or Greater – Abend S0C1 Follows</p> <p>The ExPR storage management module has received a non-zero return code from a GETMAIN request. This is probably due to insufficient region size.</p> <p>An abend S0C1 is forced immediately after this message for the purpose of debugging. R7 contains the required storage length and R8 contains the R15 return code from the GETMAIN macro. A value of hex ‘ABC’ in R8 indicates an internal ExPR GETMAIN request error.</p> <p>Increase the region size and retry the job.</p>
XPR0044E	<p>FREEMAIN Error Code nn – Abend S0C1 Follows</p> <p>The ExPR storage management module has detected an error while processing a FREEMAIN request. The possible error codes are:</p> <ul style="list-style-type: none"> (01) – the leading storage eye-catcher has been corrupted – part 1. (02) – the leading storage eye-catcher has been corrupted – part 2. (03) – the storage area trailer area has been overwritten. (04) – the FREEMAIN macro gave a non-zero return code. <p>An Abend S0C1 is forced immediately after this message for the purpose of debugging. R6 points at the area to be freed, R7 contains the length of the area, and R8 contains the R15 return code from the FREEMAIN macro.</p> <p>Contact StorageTek Software Support.</p>
XPR0045I	<p>AUTO-CONFIG Inactive – No CDSCONF DD</p> <p>The ExPR auto-configuration feature was deactivated by removing the CDSCONF DD statement. This message is preceded by message XPR0002I.</p>

Message ID	Description
XPR0046W	<p>HOST SYSID(_____) Statement Might be Out of Sequence</p> <p>The named HOST statement has been found in the input stream after at least one ACS or LSM statement. Any previously defined ACSs or LSMs will therefore not be defined for this host system.</p>
XPR0047E	<p>Error building auto-config, configuration process aborted</p> <p>During the auto configuration extraction process, an error was detected that caused the process to be prematurely terminated. As a result, ExPR has not been able to extract all details of the HSC/VTCS configuration. If this occurs during initialization, the execution is aborted. If the error occurs during a dynamic reconfiguration, the new configuration will not take effect.</p> <p>A preceding message will indicate the exact cause of the error. This will typically be an open error or message XPR0061E. Ensure that the DD statements for the HSC CDS are correct. If the problem persists, contact StorageTek Software Support.</p>
XPR0048E	<p>_____ Sort Failed – Review SYSOUT</p> <p>A called SORT, for the named command function/report, failed with a non-zero return code.</p> <p>Review the SORT utility output to determine the reason for the failure.</p>
XPR0049I	<p>Online Report yyyyddd-hhmmssst-nnn created – lines = __ bytes = __ requestor-id report title</p> <p>An online TCP/IP server report request or a batch report with REPORT-OPTIONS(ONLINE) has been processed and the printed results stored in the Online Report File (ORF).</p>
XPR0050E	<p>Input SMF Records Out of Sequence __ Follows __</p> <p>The SMF/RMF records were not presented in ascending date/time sequence during database update. This implies that the called sort of the SMF data has not completed correctly. Check the UPRPRINT/SYSOUT from the sort utility.</p>
XPR0051I	<p>ExPR Control Record Details _____ Init=_____ Conv=_____</p> <p>ISCF1=_____ Cons=_____ SecHost=_____</p> <p>ISCF2=_____</p> <p>This message is issued twice during each execution of the ExPR program, once at the start of the run and again at the end. The database control record fields may be required by support personnel when investigating a problem.</p>

Message ID	Description									
XPR0052W	<p>ExPR Feature _____ Not Licensed</p> <p>The feature specified by the message is not enabled. Functions that are authorized by the feature are disabled.</p>									
XPR0053I	<p>License Not Supplied, ExPR is Quiesced</p> <p>A valid license was not supplied, so no ExPR functions are available. If ExPR is being run in batch mode, it will return RC=4 at end of job step; if it is being run as a started task, client communications will still be available.</p>									
XPR0054W	<p>License Error, invalid <i>license-component</i> (rc=<i>reason-code</i>)</p> <p>The license key provided to ExPR was invalid. Generally these are decoding/validation errors in the various fields of the LICENSE/LICENSE1 statements: you should very carefully check that you have keyed these exactly as supplied in the license email from StorageTek SMD. You should also be aware of the following combinations:</p> <table border="1"> <thead> <tr> <th><i>License-component</i></th> <th><i>Reason-code</i></th> <th><i>Description</i></th> </tr> </thead> <tbody> <tr> <td>Date</td> <td>04</td> <td>Expiry date is not numeric - have you mis-keyed it?</td> </tr> <tr> <td>EXPRvr</td> <td>07</td> <td>The PRODUCT keyword EXPRvr does not match this release - you must obtain a new license from SMD for this release of ExPR. For example, ExPR 6.1 will only operate with a license PRODUCT keyword of EXPR61.</td> </tr> </tbody> </table> <p>The <i>reason-code</i> and identified <i>license-component</i> specify the exact cause of the error and should be quoted when contacting StorageTek Software Support.</p>	<i>License-component</i>	<i>Reason-code</i>	<i>Description</i>	Date	04	Expiry date is not numeric - have you mis-keyed it?	EXPRvr	07	The PRODUCT keyword EXPRvr does not match this release - you must obtain a new license from SMD for this release of ExPR. For example, ExPR 6.1 will only operate with a license PRODUCT keyword of EXPR61.
<i>License-component</i>	<i>Reason-code</i>	<i>Description</i>								
Date	04	Expiry date is not numeric - have you mis-keyed it?								
EXPRvr	07	The PRODUCT keyword EXPRvr does not match this release - you must obtain a new license from SMD for this release of ExPR. For example, ExPR 6.1 will only operate with a license PRODUCT keyword of EXPR61.								
XPR0055I	<p>ExPR _____ License Accepted, Expires _____, Serial _____.</p> <p>The supplied ExPR license has been successfully validated and accepted for this execution of ExPR. The expiry date is in Julian format. The product serial number must be quoted when requesting StorageTek software support.</p>									

Message ID	Description
XPR0056I	<p>Permanent/Trial/Trial Demo Features Enabled</p> <p>Enabled features are described as Permanent or Trial depending on whether the key was via a LICENSE or LICENSE1 statement. TrialDemo features are only activated when ExPR is executed without a LICENSE/LICENSE1 statement. This TrialDemo mode enables all features for a 75 day evaluation period. You must obtain a valid license key from StorageTek for ongoing use of the product.</p>
XPR0057I	<p>-- <feature_name></p> <p>This message is issued for each feature enabled by the supplied license. The features are – Base, DirectSMF, RTM, TapeCat, GUI, and MONTAPE.</p>
XPR0058I	<p>ExPR _____ License Expired on _____</p> <p>The supplied license expired on date YYYYDDD</p>
XPR0059I	<p>ExPR _____ License Will Expire in _____ day(s)</p> <p>The supplied license will expire in the number of days specified. This message is issued if a license expires within 75 days.</p>
XPR0060W	<p>Unable to Load External Module: _____</p> <p>The named load module could not be loaded by ExPR. This is usually because the module does not exist within the STEPLIB chain or the system LINKLIB libraries. This is most likely to occur for the following modules:</p> <ul style="list-style-type: none"> • SLSXCAL, SLSUCAL, SWSADMIN, SWSPGMI – ensure that the HSC/VTCS load libraries are available. • UPRxxxx – ensure that the TMS statement MODNAME parameter specifies the correct TMS interface module name. This should be one of - UPRCA1X, UPRCTTX, UPRRMMX, UPRTLMX or UPRZARX. • SORT – ensure that the sort product load library in available. <p>For any other module, check that you haven't misspelled the name of a user-written report program on the REPORT MODNAME parameter.</p> <p>In all cases check the load library concatenation chain is complete.</p>

Message ID	Description
XPR0061E	<p>Error is QCDS Interface: function=_____ rc=___</p> <p>A non-zero return code was passed back by the HSC QCDS interface. When running against an HSC 2.1 (or higher) CDS, ExPR will use the HSC QCDS interface to retrieve configuration, status, and volume information. The <i>HSC Systems Programmer Guide</i> describes the various QCDS functions and return codes.</p> <p>Ensure that you are using the correct HSC loadlib in the ExPR JCL and that the CDS is at a supported level and undamaged.</p>
XPR0062W	<p>Error Occurred Copying CONFIG to CONFIGX</p> <p>An error occurred during the CONFIG to CONFIGX copy process.</p> <p>Check the SYSLOG and UPRPRINT for other ExPR messages or an MVS message detailing the error.</p>
XPR0063I	<p>Dynamic Configuration Update in Progress</p> <p>The ExPR started task has received a new configuration file from the Host Configurator or an HSC/VTCS dynamic reconfiguration has occurred. This is about to be syntax checked and validated.</p>
XPR0064I	<p>Dynamic Configuration Update Completed Successfully</p> <p>The newly received configuration file has been successfully syntax checked and validated. The previous configuration will now be saved in CONFIGX and the new file saved in CONFIG.</p>
XPR0065E	<p>Dynamic Configuration Update Completed with Errors</p> <p>An ExPR configuration control statement from the Host Configurator has been found to be in error – the new configuration will not be made active. This should not occur as the Host Configurator should only generate valid control statements.</p> <p>Review the UPRPRINT for a listing of the statements and further messages to highlight the error. It may be necessary to report this to StorageTek Software Support.</p>
XPR0066I	<p>ExPR Feature _____ Quiesced Until Valid License Supplied</p> <p>The feature specified in not enabled by the supplied license.</p>
XPR0067W	<p>Statement no _____ “keyword-name” ignored due to a previous warning or error</p> <p>The identified statement and operand has been ignored due to a preceding error or warning message. The previous message identifies the specific cause.</p>

Message ID	Description
XPR0068E	<p>ACS/LSM/VTSS (_____) deleted or not defined</p> <p>This message may be issued against user-specified ExPR configuration statements that specifically refer to an ACS, LSM, or VTSS. However, the selected entity does not exist. Such statements are: DSMAP and ACS/LSM/VTSS statements that add a description or model id to the hardware definition.</p> <p>If the message is issued for an ACS, LSM or VTSS statement, then this message will continue to be issued during startup or a HSC NCO update until the next user configuration change is initiated. If the message is issued because a deleted entity is being referenced by another statement (for example DSMAP, which are generated when Dataset Workloads are defined), then the user configuration will need to be changed to remove that reference in order to stop the message being issued.</p>
XPR0069E	<p>Error deleting from _____ - R15=___ FDBK=___</p> <p>While deleting a record, the VSAM ERASE macro gave a non-zero return code. The R15 return code and feedback information will describe the exact nature of the error; these can be found in the IBM I/O Macros manual. If this message occurs constantly, call StorageTek Software Support.</p>
XPR0070I	<p>SMF exception events report completed (- no records selected)</p> <p>This message is produced by the SMF-UPDATE/SMF-REPORT or SMF-VTSS-AUDIT functions. It is produced at the end of the individual events listing. If no SMF records were relevant to ExPR, then the additional text "no records selected" is added.</p>
XPR0071E	<p>Error Writing to _____ - R15=_____ FDBK=_____</p> <p>An unrecoverable error was detected while trying to write to the DATABASE, PGMIDATA, or EXPRORF VSAM files. R15 and FDBK are the return/reason codes for the VSAM PUT macro. These codes are documented in the IBM document <i>IBM DFP Macro Instructions for Data Sets</i> or <i>IBM DFSMS/MVS Macro Instructions for Data Sets</i>.</p> <p>A common cause of this error is a full VSAM cluster or disk volume. There may be an MVS message on the console associated with this problem.</p>
XPR0072E	<p>Duplicate Key Encountered, DUPKEY(CANCEL) Specified</p> <p>During batch database update, when CANCEL was specified, a duplicate key was encountered. This could be caused by an attempt to update the wrong database or if the update was being re-run.</p> <p>Re-run the update with DUPKEY REPLACE or IGNORE.</p>

Message ID	Description
XPR0073E	<p>Duplicate Key Encountered, Get-For-Update Failed</p> <p>An internal VSAM error occurred.</p> <p>Call StorageTek Software Support.</p>
XPR0074E	<p>Duplicate Key Encountered, Replace Failed</p> <p>An internal VSAM error occurred.</p> <p>Call StorageTek Software Support.</p>
XPR0075E	<p>Input Records Out of Sequence _____ Follows _____</p> <p>During the SMF-UPDATE function, ExPR found that records in the PGMIDATA file were not in ascending date/time sequence. As PGMIDATA is a KSDS file, this should not occur.</p> <p>Run IDCAMS VERIFY against PGMIDATA and retry the SMF-UPDATE function.</p> <p>If the problem persists, call StorageTek Software Support.</p>
XPR0076E	<p>CDS Relative Record _____ ID Was Not _____</p> <p>An internal error was caused by an unexpected response from the CDS or possibly by a record format version incompatibility.</p> <p>Call StorageTek Software Support.</p>
XPR0077E	<p>Process Aborted Due to Previous Error</p> <p>Another error caused the process to stop. A separate error message will have been generated for that error.</p>
XPR0078W	<p>MERGESYS Function no longer Supported – Use Consolidated View Instead.</p> <p>ExPR 5.0 and later releases no longer support the MERGESYS function. This message will be issued in response to any MERGESYS-HOST or PERFORM MERGESYS statement. It is a warning only and ExPR will not fail as a result of the presence of these historical statements. The Host Configurator will also issue warnings when MERGESYS host definitions are detected.</p> <p>You should convert your MERGESYS definitions to the newer and more accurate consolidated-views feature. The automatically generated consolidated-view host "ALL" may be sufficient for your requirements.</p>

Message ID	Description
XPR0079W	<p>No Tape Catalog Data Exists</p> <p>An attempt was made to read tape management system data but no data was found. This is possibly caused by an empty tape catalog. It will also occur at sites that do not have a tape management system.</p>
XPR0080W	<p>Volser _____ Not in Tape Catalog</p> <p>The CDS knows of the named cartridge but the tape management system does not.</p> <p>This message will occur for “foreign” tapes entered into the library system.</p> <p>Note: This message can be suppressed with the TAPECAT UPDATE NOWARN option.</p>
XPR0081W	<p>Volser _____: CDS says Scratch, Catalog says Not</p> <p>The CDS knows the named cartridge as a scratch volume but the tape management system knows it as a non-scratch. This message indicates a possible HSC/TMS synchronization problem; it is usually corrected by the daily housekeeping jobs.</p> <p>Note: This message can be suppressed with the TAPECAT UPDATE NOWARN option.</p>
XPR0082W	<p>Volser _____: Catalog says Scratch, CDS says Not</p> <p>The CDS knows the named cartridge as a non-scratch volume but the tape management system catalog knows it as a scratch. This message indicates a possible HSC/TMS synchronization problem; it is usually corrected by the daily housekeeping jobs.</p> <p>Note: This message can be suppressed with the TAPECAT UPDATE NOWARN option.</p>
XPR0083W	<p>Volser _____ in Transit/Location Unknown or VTSS Undefined</p> <p>The CDS has a record indicating the named cartridge exists but does not know its ACS/LSM location. This message indicates a possible HSC synchronization problem. For a virtual tape volume, this message indicates that the VTSS has not been defined to ExPR.</p> <p>Note: This message can be suppressed with the TAPECAT UPDATE NOWARN option.</p>
XPR0084W	<p>Volser _____ Location Invalid – LSM ____, ____</p> <p>The CDS has a record indicating the named cartridge’s location but the LSM does not exist. This message indicates a possible HSC synchronization problem.</p> <p>Note: This message can be suppressed with the TAPECAT UPDATE NOWARN option.</p>

Message ID	Description
XPR0085E	<p>Cleaning Cartridge Prefix Record Absent from CDS</p> <p>The CDS does not contain the record which indicates a cleaning cartridge prefix. This is possibly caused by an invalid CDS.</p> <p>Ensure that the live/online CDS is being used and that HSC has not reported any errors.</p>
XPR0086W	<p>Volser _____: Problem with DSNAME – Reason _____</p> <p>An internal error was caused by a dataset name on the named cartridge that does not comply with MVS dataset naming convention rules. This may occur against some special status volumes within CA-1 and CA-TLMS.</p> <p>Valid reason codes are:</p> <p>8 – invalid DSN node length >8 or zero 12 – position 44 of DSN was a period/full-stop.</p> <p>Note: This message can be suppressed with the TAPECAT UPDATE NOWARN option.</p>
XPR0087W	<p>Volser _____ DSN=_____ Selected in Dataset Group _____ and _____</p> <p>Dataset group and map criteria have selected the named volume in more than one dataset workload group. You should be aware of this when comparing or combining the results from dataset workload group output.</p> <p>Note: This message can be suppressed with the TAPECAT UPDATE NOWARN option.</p>
XPR0088W	<p>Empty TMCHIST File or No Records Selected</p> <p>The TMCHIST file may be empty due to some anomaly during the previous UPDATE function, or there are no volumes to list based on the OPTIONs specified for reporting. This warning gives a return code of 8.</p> <p>Check that the TMCHIST file isn't an empty GDG entry from a failed update run. Also ensure that the TAPECAT REPORT statement includes all of the required options to match the TAPECAT UPDATE run. Particular attention should be given to the FULLCAT and VIRTUAL parameters, if these were specified for the update.</p>
XPR0089W	<p>MVC/VTM Details Have Not Been Included</p> <p>During TAPECAT UPDATE processing, the VIRTUAL parameter was not specified or the VSMVTCS file was empty. This message is only issued if the ExPR configuration includes VSM/VTSS definitions, but no MVC/VTM details were included in the TAPECAT UPDATE process.</p>

Message ID	Description
XPR0090E	<p>Input Records Out of Sequence _____ Follows _____</p> <p>During the SMF-UPDATE function, ExPR found that records in the PGMIDATA file were not in ascending date/time sequence. As PGMIDATA is a KSDS file, this should not occur.</p> <p>Run IDCAMS VERIFY against PGMIDATA and retry the SMF-UPDATE function.</p> <p>If the problem persists, call StorageTek Software Support.</p>
XPR0091I	<p>This message is a heading for the utilization summary produced by the TAPECAT UPDATE function. Each line printed represents an LSM, VTSS, or a dataset group.</p>
XPR0092I	<p>This message is a heading for the aging summary produced by the TAPECAT UPDATE function. Each line printed represents an LSM, VTSS, or a dataset group.</p>
XPR0093W	<p>At Least One LSM/VTSS or Dataset Group has No Volumes</p> <p>During the preceding XPR0091/XPR0092 summary, an LSM/VTSS or dataset group had no volumes matched/selected against it. For a dataset group, this could merely be an error in the dataset name masks. If an LSM or VTSS has no volumes, this would require further investigation.</p>
XPR0094I	<p>_____ CDS Volumes Not in Tape Catalog</p> <p>This is a total of message XPR0080 occurrences.</p>
XPR0095I	<p>_____ Volumes Have a Conflicting Scratch Status</p> <p>This is a total of the occurrences of messages XPR0081 and XPR0082.</p>
XPR0096I	<p>Invoking ExPR TMS extractor module _____</p> <p>The ExPR TAPECAT function is about to extract details of volumes and datasets from the installation's TMS catalog. The module name is generally of the form UPR$nnnn$. Installations without a TMS system will see the dummy name IEFBR14.</p>
XPR0097W	<p>_____ Volumes have had their Megabytes Capacity Capped</p> <p>This message is a count of volumes where the tape catalog megabytes values exceed the theoretical maximum. These volumes have a plus symbol printed against the megabytes column of the Volume Details report. During ExPR TAPECAT UPDATE processing, the tape catalog information is used to calculate how much data is stored on a cartridge. This is compared against a theoretical maximum capacity based on recording technique and cartridge length. This message can occur for volumes in a multi-volume stack within a CA-1 catalog.</p>

Message ID	Description
XPR0098E	<p>Invalid Record Type Returned by External TMS Interface Module</p> <p>The external tape catalog interface module, as defined by TMS MODNAME(...) has failed to pass back an extended format record for TAPECAT UPDATE processing. Currently only ExPR-supplied modules support the extended format required by ExPR.</p> <p>Check that the interface module is one supplied by ExPR. If this message occurs with an ExPR-supplied module, call StorageTek Software Support.</p>
XPR0100W	<p>DSN Count Mismatch: Volser _____ says _____ DSNS - _____ DSNS Found</p> <p>The UPRCA1X CA-1 catalog interface module has detected a discrepancy in the catalog. The DSNB record count in a volumes base record does not match the number of DSNBs found for that volume. This may be due to in-flight activity while the TAPECAT function was running.</p>
XPR0101E	<p>Error-vol _____, DSNB _____ Requested, DSNB _____ Retrieved</p> <p>During CA-1 catalog processing, the UPRCA1X module has attempted to retrieve a DSNB associated with the stated volume. However, a different DSNB was passed back by the DA logic module. This could be an error in UPRCA1X or a corruption of the catalog pointers.</p> <p>Run the CA-1 catalog maintenance utility to determine if the catalog is damaged.</p>
XPR0102E	<p>Catalog lrecl or blksize invalid – Catalog is Unsupported/Invalid</p> <p>The CA-1 catalog to be used for TAPECAT UPDATE does not have the correct CA-1 V5 lrecl of 340 bytes or the block size is not a multiple of the lrecl. This may be because the catalog is a CA-1 V4 catalog, which is not supported. Alternatively, the catalog or its VTOC entry may be damaged.</p>
XPR0103E	<p>Tape Catalog Does Not Have Exactly Three Control Records</p> <p>The first three records of the CA-1 catalog are control records with the identifiers TMSCTL#1, 2 & 3. UPRCA1X has failed to find these and cannot process the catalog. The catalog may be corrupted.</p> <p>Run the CA-1 catalog maintenance utility to determine if the catalog is damaged.</p>
XPR0104E	<p>Called SORT of CA-1 Tape Catalog Failed</p> <p>UPRCA1X invokes the SORT utility to sort tape catalog DSNBs and optionally the volume base records. One of these sorts has failed.</p> <p>Review the UPRPRINT/SYSOUT to determine the reason for the failure. Each sort has a unique identifier of CAID or CAIV.</p>

Message ID	Description
XPR0105I	<p>Catalog Volumes Out of Sequence – Sort will be Called</p> <p>While retrieving the CA-1 catalog volume base records, UPRCA1X has detected that they are not in ascending order – this is not an error. This will occur if your installation has non-numeric volume serial numbers and uses the CA-1 exits TMSUXOE and TMSUXOU.</p>
XPR0106W	<p>Unowned/Orphaned DSNB Found: VOL=_____ DSN = dataset name _____</p> <p>The UPRCA1X CA-1 interface has found a DSNB record for which there is no matching volume base record. This may be due to in-flight activity while the TAPECAT function was running; alternatively there may be a corruption of the tape catalog.</p>
XPR0107I	<p>UPRCA1X Run Stats - _____ vols, _____ DSNBs, _____ DA reads</p> <p>UPRCA1X has completed processing and is returning control to the main ExPR module. The statistics represent the number of base volume records and secondary dataset DSNBs read from the catalog. The DA reads count is associated with the processing of the multi-file/multi-volume tape stacks.</p>
XPR0108W	<p>Volume _____ has _____ Datasets – Truncated at _____</p> <p>ExPR has not been able to collect all secondary dataset information on the named volume because the volume has more secondary datasets than can be accommodated in ten 32756-byte records. The dataset count for the volume will include the additional secondary datasets; however, they will not be included in the calculations of percentage used and megabytes. The extra datasets will also not be written to the TMCHIST file for subsequent reporting by the TAPECAT OPTION(REPORT ALLDSNS) function or for display via the TAPECAL GUI.</p>
XPR0109W	<p>Volume _____ has an invalid DSNB pointer of _____ - the highest valid DSNB is _____</p> <p>While extracting the CA-1 TMS, the interface module has determined that a direct access (DA) read is required. However, the DSNB identifier in the named volume base record is invalid and beyond the range of the TMS extents. Use of this DSNB pointer would cause an abend to occur. Therefore the DSNB is bypassed for this volume.</p> <p>This is indicative of an error or corruption within the CA-1 TMS. Run the appropriate CA-1 utility to verify the TMS structure.</p>
XPR0110W	<p>DSN Count Mismatch: Volser _____ says _____ DSNS - _____ DSNS Found</p> <p>The UPRRMMX RMM catalog interface module has detected a discrepancy in the catalog extract file. The dataset record count in a volume's base record does not match the number of dataset records found for that volume. This may be due to in-flight activity while the extract function was running.</p>

Message ID	Description
XPR0111I	<p>Control Being Given to EDGHSKP</p> <p>The RMM interface module is about to dynamically invoke the RMM EDGHSKP utility to perform the RPTEXT extraction function.</p>
XPR0112I	<p>Control Returned from EDGHSKP</p> <p>The RMM EDGHSKP utility has completed and given control back to the UPRRMMX module.</p>
XPR0113E	<p>Error Loading/Deleting EDGHSKP</p> <p>While attempting to load or delete the RMM EDGHSKP utility, a non-zero return code occurred. The most likely cause is that the LINKLIB/STEPLIB chains do not contain the EDGHSKP utility.</p> <p>Review SYSLOG for further MVS messages.</p>
XPR0114E	<p>Called SORT of RMM Catalog Records Failed</p> <p>UPRRMMX invokes the SORT utility to sort tape catalog datasets and volume base records. This sort has failed. Review the UPRPRINT/SYSOUT to determine the reason for the failure. The sort has the unique identifier of RMM.</p>
XPR0115E	<p>EDGHSKP Gave a Non-Zero Return Code</p> <p>The RMM EDGHSKP utility gave a non-zero return code, indicating that the RPTEXT function failed.</p> <p>Review SYSLOG/UPRPRINT for additional messages.</p>
XPR0116W	<p>Unowned/Orphaned Dataset Found: VOL=_____ DSN = dataset name _____</p> <p>The UPRRMMX RMM interface has found a dataset record for which there is no matching volume base record. This may be due to in-flight activity while the extract function was running; alternatively there may be a corruption of the tape catalog.</p>
XPR0117I	<p>UPRRMMX Run Stats - _____ Scratches, _____ Active Volumes, _____ Datasets</p> <p>UPRRMMX has completed processing and is returning control to the main ExPR module. The statistics represent the number of base volume records and secondary dataset records read from the catalog extract file.</p>

Message ID	Description
XPR0118W	<p>Volume _____ has _____ Datasets – Truncated at _____</p> <p>ExPR has not been able to collect all secondary dataset information on the named volume because the volume has more secondary datasets than can be accommodated in ten 32756-byte records. The dataset count for the volume will include the additional secondary datasets; however, they will not be included in the calculations of percentage used and megabytes. The extra datasets will also not be written to the TMCHIST file for subsequent reporting by the TAPECAT OPTION(REPORT ALLDSNS) function or via the TAPECAT GUI.</p>
XPR0119E	<p>Unable to invoke EDGHSKP - ExPR requires APF authorization</p> <p>The ExPR interface to the DF/SMSrmm tape management system makes use of the IBM interface utility EDGHSKP. However EDGHSKP requires APF-authorization to execute. ExPR is not running as an authorized task. ExPR should be authorized - ensure that the ExPR load library and all libraries in the STEPLIB chain are APF-authorized. The extraction from the DF/SMSrmm catalogs is bypassed and the TAPECAT function will fail.</p>
XPR0121E	<p>Input File is not Recognizable TLMS Format – Reason = _____</p> <p>UPRTLTX has detected an error in the processing/extraction from the TLMS VMF file.</p> <p>The reason can be:</p> <p>01 - no recognizable records were extracted from the file.</p>
XPR0124E	<p>Called SORT of TLMS Catalog Volumes Failed</p> <p>A called SORT from UPRTLTX gave a non-zero return-code.</p> <p>Review the UPRPRINT/SYSOUT to determine the reason for the failure. The sort identifiers are TLMS and TLMX.</p>
XPR0127I	<p>UPRTLTX Run Stats - _____ Scratches, _____ Active Volumes, _____ Datasets, _____ Crash-Protected Volumes</p> <p>UPRTLTX has completed processing and is returning control to the main ExPR module. These control counters are self-explanatory.</p>
XPR0128W	<p>Volume _____ has _____ Datasets – Truncated at _____</p> <p>ExPR has not been able to collect all secondary dataset information on the named volume because the volume has more secondary datasets than can be accommodated in ten 32756-byte records. The dataset count for the volume will include the additional secondary datasets; however, they will not be included in the calculations of percentage used and megabytes. The extra datasets will also not be written to the TMCHIST file for subsequent reporting by the TAPECAT OPTION(REPORT ALLDSNS) function or via the TAPECAT GUI.</p>

Message ID	Description
XPR0131E	<p>Input File is not Recognizable Control-T format – reason = _____</p> <p>The Control-T extraction module (UPRCTTX) has detected an error while reading the Media Database Data Component. The possible reason codes are –</p> <p>01 – no recognizable volume or dataset records were extracted from the file 02 – the MDBD Irecl was not that of a supported release of Control-T 03 – an internal ExPR table has filled-up; this is not a problem with the MDBD</p> <p>Ensure that the TMC DD is pointing at the Control-T MDBD dataset. If the problem persists, contact StorageTek software support.</p>
XPR0134E	<p>Called SORT of Control-T Catalog Volumes Failed</p> <p>UPRCTTX uses two called sorts as part of its extraction from the Control-T MDBD dataset. One of these sorts gave a non-zero return code.</p> <p>Review the UPRPRINT/SYSLOG for messages from the sort utility. The sort identifiers are CTT1 and CTT2.</p>
XPR0137I	<p>UPRCTTX run stats - _____ scratches, _____ active volumes, _____ datasets, MDBD=version/release</p> <p>UPRCTTX has completed its extraction from the Control-T Media Database and is returning control back to the main ExPR module. These counters are self-explanatory.</p>
XPR0138W	<p>Volume _____ has _____ Datasets – Truncated at _____</p> <p>ExPR has not been able to collect all secondary dataset information on the named volume because the volume has more secondary datasets than can be accommodated in ten 32756-byte records. The dataset count for the volume will include the additional secondary datasets; however, they will not be included in the calculations of percentage used and megabytes. The extra datasets will also not be written to the TMCHIST file for subsequent reporting by the TAPECAT OPTION(REPORT ALLDSNS) function or via the TAPECAT GUI.</p>
XPR0140W	<p>DSN Count Mismatch: Volser _____ says _____ DSNS - _____ DSNS Found</p> <p>The UPRZARX ASG-Zara catalog interface module has detected a discrepancy in the catalog extract file. The dataset record count in a volume's base record does not match the number of dataset records found for that volume. This may be due to in-flight activity while the extract function was running.</p>
XPR0147I	<p>UPRZARX Run Stats - _____ Scratches, _____ Active Volumes, _____ Datasets</p> <p>UPRZARX has completed processing and is returning control to the main ExPR module. The statistics represent the number of base volume records and secondary dataset records read from the catalog extract file.</p>

Message ID	Description
XPR0148W	<p>Volume _____ has _____ Datasets – Truncated at _____</p> <p>ExPR has not been able to collect all secondary dataset information on the named volume because the volume has more secondary datasets than can be accommodated in ten 32756-byte records. The dataset count for the volume will include the additional secondary datasets; however, they will not be included in the calculations of percentage used and megabytes. The extra datasets will also not be written to the TMCHIST file for subsequent reporting by the TAPECAT OPTION(REPORT ALLDSNS) function or via the TAPECAT GUI.</p>
XPR0170I	<p>ExPR v.r.m. SMF Exit Initialized. Anchor at _____ level = _____</p> <p>The ExPR-supplied SMF exit has been successfully initialized within the SMF address space.</p>
XPR0171E	<p>ExPR Unable to Obtain Storage in SP 230/241 for IEFU83 Work Area/SMF Record Copy</p> <p>The ExPR-supplied SMF exit encountered a non-zero return code from a GETMAIN macro while attempting to copy an SMF/RMF record or when creating the exit work area anchor. The most probable cause of this is ECSA exhaustion, which may be relieved in a short time. The exit will deactivate itself after 99 occurrences of this message.</p>
XPR0172E	<p>Invalid SMF record anchor table</p> <p>During initialization of the ExPR started task, the 'EXPR' subsystem entry was successfully found. However, it does not point to the required ExPR anchor table - the subsystem entry might be in-use by another software product or the anchor table may have been overwritten.</p> <p>Contact StorageTek software support.</p>
XPR0173E	<p>Invalid SMF Record Anchor Block</p> <p>The ExPR started task SMF-COLLECTOR has located an anchor block to the IEFU83 exit, as reported in message XPR0176I. However, the addressed area of storage is not an ExPR anchor block. This may be due to CSA storage being overwritten.</p> <p>Contact StorageTek Software Support. If the problem persists, you may need to IPL the system.</p>
XPR0174E	<p>ExPR SMF Exit ECSA-SP241 FREEMAIN failed for SMF Record Copy</p> <p>The ExPR-supplied SMF exit encountered a non-zero return code from a FREEMAIN macro when attempting to release an SMF/RMF record copy area. The exit will deactivate itself after 99 occurrences of this message.</p>

Message ID	Description
XPR0175E	<p>ExPR v.r.m. XPRFU83 SMF IEFU83 Exit Deactivated due to Errors.</p> <p>The ExPR-supplied SMF exit has deactivated itself due to previously reported multiple errors.</p> <p>This should be reported to the systems programming department.</p>
XPR0176I	<p>SMF Record Anchor Created/Found – vrm level=_____ at _____</p> <p>The ExPR started task SMF-COLLECTOR has either located a previously used anchor area or created a new one for communication between the started task and IEFU83 SMF exit.</p>
XPR0177E	<p>Failure adding subsystem ExPR</p> <p>During initialization of the ExPR started task, MVS SSI services are invoked. These will dynamically create or locate the subsystem table entry called 'EXPR'. However, an unexpected error has been returned from the SSI services and the entry cannot be created or located.</p> <p>Contact StorageTek software support.</p>
XPR0178E	<p>Anchor table full</p> <p>During initialization of the ExPR started task, the anchor table has been found to be full. This should only occur if you have executed five different version/releases of ExPR since the last IPL. This should not occur under normal circumstances.</p> <p>Contact StorageTek software support.</p>
XPR0179I	<p>SMF record anchor table created/found at _____</p> <p>The ExPR started task has successfully located the 'EXPR' subsystem table entry and the associated anchor table. The started task will now be able to collect SMF records from the IEFU83 exit.</p>
XPR0180E	<p>SEN ____ failed with return code __</p> <p>While attempting to establish the HSC SEN exit for ExPR support of HSC NCO, the specified function failed with the specified return code.</p> <p>Check the Significant Event Notification Facility chapter in the HSC System Programmer's Guide for the specified return code. If it is a return code for which there is a user circumvention, e.g. an authorization error, then perform the specified action. Otherwise contact StorageTek Software Support.</p>

Message ID	Description
XPR0181E	<p>Load of SEN interface routine failed. ExPR NCO support disabled.</p> <p>The load of the HSC module SLSXSENr failed.</p> <p>Check the log for the reason why the load failed and, if possible, correct the error. If the ExPR NCO support is not required, specify the NOSEN option in the START TASKS command in the STCPARMP member.</p>
XPR0182I	<p>SEN Listener enabled</p> <p>ExPR is now listening for NCO events to be raised from HSC.</p>
XPR0183W	<p>SEN Listener is now enabled but SEN facility is disabled in HSC</p> <p>ExPR has registered its SEN listener with HSC but as HSC does not have SEN support active, ExPR will not be informed of any HSC and VTCS NCO events.</p> <p>If you want ExPR to be informed of HSC and VTCS NCO events, the SEN facility must be enabled in HSC via the OPTion SEN(ON) command as documented in the HSC Operator's Guide. If the ExPR NCO support is not required, specify the NOSEN option in the START TASKS command in the STCPARMP member.</p>
XPR0184I	<p>HSC/VTCS dynamic reconfiguration in progress</p> <p>HSC has informed ExPR via its SEN listener that an NCO event has occurred in HSC. ExPR will perform a dynamic reconfiguration to detect the hardware changes and update the ExPR control blocks.</p>
XPR0185I	<p>ExPR _____ SEN listener validation performed</p> <p>As part of registering the SEN listener with HSC, HSC will perform a validation call to the listener. This call has completed successfully.</p>
XPR0186E	<p>ExPR SEN listener unable to obtain storage in SP 241 for workarea</p> <p>During its initialization processing, the ExPR SEN listener was unable to obtain the storage it required to perform its work.</p> <p>ExPR will not be able to perform its dynamic reconfiguration to detect the hardware changes and must be manually stopped and restarted to pick up the changes. As subpool 241 is in common storage, further investigation of the system as a whole might be needed to determine if this is a system-wide problem.</p>

Message ID	Description
XPR0187E	<p>EXPR unable to obtain storage in SP 241 for POST error exit workarea</p> <p>When the ExPR SEN listener attempted to inform ExPR of the NCO change, the POST of the ExPR address space failed causing the POST error exit to be called. During its initialization, it was unable to obtain the storage it required to perform its work.</p> <p>Due to ExPR not being informed of the NCO change, it will not be able to perform its dynamic reconfiguration to detect the hardware changes and must be manually stopped and restarted to pick up the changes. Also, as subpool 241 is in common storage, further investigation of the system as a whole might be needed to determine if this is a system-wide problem.</p>
XPR0188E	<p>ExPR SEN listener failed to POST STC for NCO change, completion code = _____</p> <p>When the ExPR SEN listener attempted to inform ExPR of the NCO change, the POST of the ExPR address space failed with the specified return code. These return codes are documented in the MVS Authorized Assembler Services Reference. This error may need to be referred to the StorageTek Software Support. Due to ExPR not being informed of the NCO change, it will not be able to perform its dynamic reconfiguration to detect the hardware changes and must be manually stopped and restarted to pick up the changes.</p>
XPR0189W	<p>SEN START/RESET command not processed as SEN listener is already active</p> <p>The operator issued the SEN START/RESET command but the command was not actioned because the SEN listener was already active from ExPR startup or from a previous SEN START/RESET command.</p>
XPR0190W	<p>SEN STOP command not processed as SEN listener already inactive</p> <p>The operator issued the SEN STOP command but the command was not actioned because the SEN listener is already active because of a previous SEN STOP command or error.</p>
XPR0191I	<p>SEN Listener now disabled</p> <p>Either ExPR is being shutdown or the SEN STOP/RESET command has been issued.</p>
XPR0192W	<p>SEN command not processed as anchor block not found</p> <p>The internal anchor block that contains information about the SEN exit cannot be found and therefore the SEN START/STOP/RESET command cannot be actioned.</p> <p>One reason this can occur is if the SMF exit has not been activated. If this is not the case, then contact StorageTek Software Support.</p>
XPR0193I	<p>SEN support not active due to HSC level</p> <p>HSC must be at level 6.1 or above for the ExPR SEN listener to be activated.</p>

Message ID	Description
XPR0194W	<p>SEN command not valid on secondary ExPR</p> <p>The SEN listener only runs on the primary ExPR started task and the SEN command was issued on a secondary ExPR.</p>
XPR0195E	<p>ExPR SEN listener control block error - ____</p> <p>While the SEN exit was processing, it could not find a control block or information within a control block. The error code can be one of the following:</p> <ul style="list-style-type: none"> 1 – The ExPR subsystem cannot be found 2 – The anchor table cannot be found 3 – The anchor table has the wrong eye-catcher 4 – The expected entry in the anchor table cannot be found <p>Contact StorageTek Software Support.</p>
XPR0196E	<p>ExPR SEN listener unable to free storage in SP241 for workarea</p> <p>During its termination processing, the ExPR SEN listener was unable to free the storage it obtained for its workarea.</p> <p>ExPR will have been notified of the NCO change and so will perform its dynamic reconfiguration to detect the hardware changes.</p>
XPR0197E	<p>ExPR unable to free storage in SP 241 for POST error exit workarea</p> <p>When the ExPR SEN listener attempted to inform ExPR of the NCO change, the POST of the ExPR address space failed causing the POST error exit to be called. During its termination processing, it was unable to free the storage it previously obtained.</p> <p>Due to ExPR not being informed of the NCO change, it will not be able to perform its dynamic reconfiguration to detect the hardware changes and must be manually stopped and restarted to pick up the changes.</p>
XPR0198I	<p>SEN START command queued</p> <p>The SEN START command has been queued for processing.</p> <p>This may happen because the SEN listener has not yet been established during ExPR startup processing or from a prior SEN START command.</p> <p>To establish the SEN listener, the SMF exit must have been installed as described in the <i>ExPR Installation And Configuration Guide</i>. If this exit has been installed correctly, then it may be that there have been no SMF records yet processed by the exit. If further SEN START commands continue to receive this message, contact StorageTek Software Support.</p>

Message ID	Description
XPR0199I	<p>ACS/LSM/VTSS _____ added to/deleted from system _____</p> <p>During an HSC/VTCS reconfiguration process, it was determined that the specified ACS, LSM or VTSS was either added to or deleted from the specified system.</p>
XPR0200I	<p>VSM/VTSS Support has been Requested</p> <p>This message is issued at the end of parameter processing if any of the VSM/VTSS-specific definition statements have been processed (i.e., VSM, VTSS, VTSS-RTD, or VTSS-VTD).</p>
XPR0201E	<p>VTSSID(_____) not Previously Defined</p> <p>You have attempted to associate a VTSS-RTD or VTSS-VTD statement with a specific VTSS, or you have attempted to SELECT the identified VTSS when there is no preceding VTSS definition statement.</p> <p>Ensure that the VTSS has been previously defined. For a VTSS-VTD statement, ensure that the host has also been defined.</p>
XPR0202E	<p>SWSPGMI error return code=_____, reason code=_____</p> <p>The SWSPGMI module is used by ExPR to query the status of various elements within the VSM system. A request has failed with the stated return and reason codes. This is not a critical error, but can cause ExPR to operate with reduced information in the VSM real-time monitor and database. Information derived via SWSPGMI includes VTSS HAMT/LAMT changes and VTV replication queue depth.</p> <p>Return code 32 implies that there is no active HSC/VTCS system. If the problem persists and HSC/VTCS is active, contact StorageTek software support.</p>
XPR0219W	<p>NO-COLLECT host _____ is not included in any consolidated views</p> <p>The identified host has been defined with the NO-COLLECT option. However, the same host has not been included in any user-defined consolidated view. This means that activity from this host will not be recorded anywhere within the ExPR database. This is not an error, but the user must be aware that all activity for this system will be lost.</p>
XPR0220I	<p>Device Group Support has been Requested</p> <p>This message is issued at the end of parameter processing if any DEVICE-GROUP definition statements have been processed.</p>

Message ID	Description
XPR0221E	<p>GROUP(_____) Not Previously Defined</p> <p>You have attempted to SELECT the identified device group when there is no preceding DEVICE-GROUP definition statement.</p> <p>Ensure that the device group has been previously defined.</p>
XPR0222I	<p>Automatic consolidated view "ALL" contains host _____</p> <p>This message summarizes all of the MVS hosts that have been included within the automatically generated consolidated view of "ALL". This message should appear for every real MVS system, including CSC and SMC client systems.</p>
XPR0223W	<p>DEFINE-MONTH START(yyyyddd) END(yyyyddd) ignored - rule violation</p> <p>The user definition of a monthly collection period has violated one of the following rules:</p> <ul style="list-style-type: none"> • less than 14 days in the period • more than 100 days in the period • overlapping dates with a previously defined monthly period <p>The statement is ignored and the monthly period is not defined.</p>
XPR0224I	<p>Automatic consolidated-view 'ALL' created</p> <p>The 'all systems' consolidated view host id of 'ALL' has been automatically created by ExPR. This consolidated view will collect all activity within the shared ACS/VSM hardware complex from all MVS hosts.</p>
XPR0225W	<p>Sysid 'ALL' already exists - unable to create as an automatic consolidated-view</p> <p>During initialization or while processing a configuration update from the Host Configurator, ExPR could not create the 'all systems' consolidated view host 'ALL'. This is because it already exists within the ExPR definitions. Reasons for this might include:</p> <ul style="list-style-type: none"> • the HSC CDS already has a host called 'ALL' • the user already has a consolidated-view called 'ALL' • during Host Configurator processing, the 'ALL' host already exists from ExPR initialization. <p>In the first two cases the system will not automatically collect the 'all systems' view of activity. The user should define another consolidated view system id via the Host Configurator.</p>

Message ID	Description
XPR0226W	<p>Consolidated-view 'ALL' does not include host _____</p> <p>This message may be issued after message XPR0225W. When ExPR finds that there is already a consolidated view called 'ALL', it checks that all known MVS systems are defined within the view. This message indicates that the named MVS host is not within the scope of the previously defined user consolidated view called 'ALL'.</p> <p>If you wish to ensure that that all MVS hosts are included in the 'ALL' view, use the Host Configurator to delete the existing definition. This will allow ExPR to automatically create the view in the future. The started task should be restarted.</p>
XPR0227E	<p>Invalid Device Group Name - "RTD-Gnnn" is Reserved for Internal Use</p> <p>The user has created a device group with a name of the format RTD-Gnnn. These names are reserved for the ExPR auto-config process to support RTD device groups attached to VTSSs.</p> <p>Change the name of the device group to something other than RTD-Gnnn.</p>
XPR0228E	<p>Too Many Management Classes Defined - Maximum is 25</p> <p>The Host Configurator-generated management class definitions have exceeded the predefined limit of 25.</p> <p>Delete some of the management class definitions until you have 25 or less.</p>
XPR0229E	<p>VTSS HIGH Must be Greater than LOW</p> <p>The auto-config process has extracted details of the VTSS LAMT and HAMT migration values. However, these are invalid as the HAMT (HIGH) value must be greater than the LAMT (LOW) value.</p> <p>This implies an error in the VTCS definitions for a VTSS, or an error in the ExPR auto-config process. Check the VTCS definitions using SWSADMIN. If they are valid, report the problem to StorageTek Software Support.</p>
XPR0230W	<p>VSM Specified for Too Many MCLASSEs - Ignored for Class _____</p> <p>The VSM monitoring option can only be specified for 25 defined management classes. This limit has been exceeded and is ignored for the named class.</p>
XPR0231W	<p>Duplicate MCLASS Name _____ - Statement Ignored</p> <p>A management class has been defined more than once; the duplicate is ignored.</p> <p>Delete the duplicate entry via the Host Configurator.</p>

Message ID	Description
XPR0232W	<p>Device _____ for Host _____ in Consolidated View _____ is Incompatible</p> <p>When defining a consolidated view host, a discrepancy has been discovered in the hardware configuration. The identified device address for the named FROM host is part of a different LSM/VTSS/manual device group than that already defined within the consolidated view.</p> <p>When creating consolidated views, the hardware definitions for each FROM host are copied and merged into the TO host. As multiple hosts are copied into the consolidated view, each device is checked against its existing definition for a conflicting attachment (LSM/VTSS/manual).</p> <p>This message indicates that the named device has differing definitions. For example, device 1234 is defined in SYSA as LSM-attached and in SYSB as a manual drive. When merging SYSA and SYSB into a consolidated view, the conflicting attachment will be detected via this message. The first definition will be taken for the consolidated view host and subsequent definitions will be ignored.</p>
XPR0233E	<p>Duplicate HOST for sysid _____ - ExPR Terminating</p> <p>This message will normally only occur in a JES3 installation.</p> <p>During the auto-configuration extraction from the HSC CDS, ExPR has detected a duplicate MVS system name. ExPR internally uses four-character system names, which normally match the SMF subsystem id. However, with JES3, the system name from the MAINPROC statement can be up to eight characters. This message indicates that ExPR has detected system names with non-unique first four characters and therefore cannot continue.</p> <p>Review the instructions in the <i>ExPR Installation, Configuration, and Administration Guide</i> under appendix C, <i>Special Considerations for JES3 Installations</i>. Create the mapping table as described and then retry the ExPR job. If the problem persists after following those instructions, contact StorageTek Software Support.</p>
XPR0234W	<p>Missing Semi-Colon Inserted after Last Statement of CONFIG Dataset</p> <p>During initialization, a missing semi-colon (statement delimiter) was detected in the Host Configurator-generated user configuration file. This has been automatically corrected by ExPR.</p> <p>This condition should not normally occur and may indicate that the CONFIG dataset has been incorrectly manually edited.</p>

Message ID	Description
XPR0235W	<p data-bbox="391 264 1317 296">Attempted Change to Device Type _____ for Device _____ in Host _____ Ignored</p> <p data-bbox="391 327 1419 478">The Host Configurator user has attempted to change the device type of the named device for the identified host. This is invalid as the device already has a device type assigned to it by the ExPR auto-configuration process. The device type has been determined by HSC and cannot be changed. Only devices that have a device type of NONE can be changed by the user. The attempted change is ignored.</p> <p data-bbox="391 510 1403 632">You may receive this message repeatedly when starting ExPR for the first time. This situation can be corrected by performing a dummy run of the Host Configuration application. This process should remove these devices from the Host Configurator's list of devices that are eligible for user device type assignment.</p>
XPR0236W	<p data-bbox="391 695 899 726">Error During Scratch Pool Control Block Build</p> <p data-bbox="391 758 1414 909">During ExPR started task initialization HSC was found to be inactive or gave an unexpected non-zero return code to a PGMI request. ExPR has therefore been unable to build internal control blocks to enable collection of scratch subpool statistics. ExPR will not retry the process within the current started task session unless a dynamic reconfiguration occurs. When HSC is re-activated it will be necessary to restart the ExPR started task.</p> <p data-bbox="391 940 1409 1031">Review the ExPR UPRPRINT/SYSLOG for additional messages and check that HSC is up and running correctly. If everything appears normal and the problem persists, report it to StorageTek Software Support.</p>
XPR0237I	<p data-bbox="391 1094 1036 1125">Warning Messages Issued During Parameter File Processing</p> <p data-bbox="391 1157 1403 1213">This message indicates that at least one W-level (warning) message has been issued during the initialization of the ExPR started task or batch run.</p> <p data-bbox="391 1245 1414 1302">Review the UPRPRINT/SYSLOG for details of the warning messages and follow the actions as necessary.</p>

Message ID	Description
XPR0238W	<p>Too Many VTSSs / Device Groups defined, _____ ignored</p> <p>During initialization ExPR has found more than the permitted limit of individual VTSS or device group definitions. Currently the limit is 68 for each, i.e., up to 68 separate VTSS subsystems may be installed/defined and up to 68 different user-defined device groups.</p> <p>This is due to an internal ExPR numbering design restriction. The extraneous VTSS or device group is ignored.</p> <p>ExPR remembers all previously defined LSMs/VTSSs and device groups within its database control records. When this message occurs, you will have to consider permanently deleting some of the older VTSS/device group entries that are defunct, but still remembered in the control records. To permanently delete such entries, you must use the ExPR started task DELETE command, as documented in the <i>ExPR Installation, Configuration, and Administration Guide (ICAG)</i> under chapter 2, <i>Started Task Operator Commands</i>. Once deleted, ExPR will reuse the internal dummy ACS/LSM numbers and slots for your new VTSS or device group.</p>
XPR0239I	<p>No License Supplied - Validating 75 Day Trial/Demo</p> <p>During initialization, ExPR has found that there are no product license details within the configuration stream. These are supplied via the LICENSE or LICENSE1 statements. ExPR will now attempt to operate under its built-in 75 day evaluation trial period. This trial/demonstration period is intended solely for the purposes of evaluation of the product. You must obtain a valid license key from StorageTek for ongoing usage of ExPR. Message XPR0059I will tell you how many days are remaining within the trial period.</p>
XPR0240W	<p>ExPR is Running without a License on a Trial/Demo Basis. You must obtain a valid license from StorageTek.</p> <p>ExPR as been executed without the presence of a LICENSE / LICENSE1 statement. Therefore the built-in 75 day product evaluation trial period will now be checked. This allows existing customers to migrate to a new release of ExPR before obtaining their key license key from StorageTek SMD. It also permits new customers to evaluate and trial ExPR.</p> <p>The 75 day period is a fixed 75 calendar days from the date of the first occurrence of this message - it is not 75 separate days upon which ExPR can be executed. Message XPR0239I will precede this message. Message XPR0058I or XPR0059I will follow it and indicate the status of the trial period - either expired or the number of days remaining.</p> <p>You must obtain a valid license key from StorageTek to continue using ExPR after the trial period. It is not possible to extend the 75-day limit.</p>

Message ID	Description
XPR0241E	<p>Error reading from ____ - R15=___ FDBK=____</p> <p>An error occurred while reading from the specified DDname.</p> <p>The return code and feedback can be found in the DFSMS MVS Macro Instructions for Data Sets manual. If the problem cannot be determined by looking up the return code, contact StorageTek Software Support.</p>
XPR0242E	<p>Error opening ____ - R15=____ RSN=____</p> <p>An error occurred while opening the specified DDname.</p> <p>The return and reason codes can be found in the DFSMS MVS Macro Instructions for Data Sets manual. If the problem cannot be determined by looking up the return code, contact StorageTek Software Support.</p>
XPR0243E	<p>Error closing ____ - R15=____ RSN=____</p> <p>An error occurred while closing the specified DDname.</p> <p>The return and reason codes can be found in the DFSMS MVS Macro Instructions for Data Sets manual. If the problem cannot be determined by looking up the return code, contact StorageTek Software Support.</p>
XPR0244E	<p>Error positioning in ____ - R15=___ FDBK=____</p> <p>An error occurred while attempting to position by key within the specified DDname.</p> <p>The return code and feedback can be found in the DFSMS MVS Macro Instructions for Data Sets manual. If the problem cannot be determined by looking up the return code, contact StorageTek Software Support.</p>
XPR0245E	<p>Datstore internal error in function ____ - ____</p> <p>An internal error occurred while processing a request within the ExPR datstore dataset.</p> <p>Contact StorageTek Software Support.</p>
XPR0246I	<p>Device ____ changed from ____ to ____ for host ____</p> <p>This message is issued whenever a change in device type is allowed during a reconfiguration process.</p>

Message ID	Description
XPR0247W	<p>SEN Command Ignored as HSC is Inactive</p> <p>The SEN command cannot be executed because HSC is not active.</p> <p>Re-issue the command when HSC is active.</p>
XPR0248W	<p>SEN Listener not Established as Another ExPR has Already Done So</p> <p>Only one ExPR started task per system can establish a SEN listener to be informed of changes in the HSC and/or VTCS hardware configuration.</p> <p>If it is a valid situation to have more than one ExPR started task per system, then the second and subsequent ExPRs will not be notified of any HSC or VTCS NCO changes and therefore will not reflect the new or deleted entries. Those ExPR started tasks that cannot establish a SEN listener will have to be stopped and restarted to reflect any changes in the HSC and/or VTCS hardware configuration.</p> <p>If the ExPR that has the SEN listener active is stopped and you want the ExPR issuing this message to start its SEN listener, the SEN START command can be issued.</p>
XPR0249W	<p>Warning - SEN RESET command is to be used with caution - read message description</p> <p>This command must be used carefully, and under normal circumstances should not be required. Please see the <i>ExPR Mainframe User's Guide</i>, chapter 2: <i>Started Task Operator Commands</i>, for full details and cautionary notes of the SEN RESET command.</p>
XPR0251I	<p>Tape Catalog Extraction in Progress</p> <p>This message is issued whenever an update of the tape catalog extract is in progress for the TAPECAT GUI function.</p>
XPR0252I	<p>Tape Catalog Extraction Completed Successfully</p> <p>This message is issued when the tape catalog extract is complete.</p>
XPR0253E	<p>Tape Catalog Extraction Completed with Errors</p> <p>The tape catalog extraction has completed, but anomalous conditions were detected.</p> <p>Review the UPRPRINT file for details. Review the output for previous XPR messages, or possible called sort failures. The TAPECAT GUI function will not be available until a successful extraction and index build are completed.</p>

Message ID	Description
XPR0254I	<p>Build Volume Index in Progress</p> <p>The started task is in the process of building an index of volumes extracted from the tape catalog for the purpose of providing fast resolution of requests for the TAPECAT GUI function.</p>
XPR0255I	<p>Build Volume Index Completed Successfully - Volumes=<i>number of volumes</i></p> <p>The index has been built successfully. <i>Number of volumes</i> is the total number of tape volumes found in the tape catalog and CDS.</p>
XPR0256E	<p>Build Volume Index Completed with Errors in Volumes=<i>number of volumes</i></p> <p>Errors have been detected building the volume index. The TAPECAT GUI function will not be available until a successful extraction and index build are completed.</p> <p>Review the SYSLOG/UPRPRINT file for details.</p>
XPR0257E	<p>Error in TMCHIST lrecl/blksize/recfm</p> <p>The definition of TMCHIST in the Started Task JCL is incorrect. Either the record length is invalid, the blksize is greater than 32k, or the blksize is not a multiple of lrecl.</p> <p>Check that the TMCHIST file definitions are correct. Correct any errors and restart the started task.</p>
XPR0258E	<p>XPR0258E Invalid length block found in TMCHIST or SYNAD error exit entered</p> <p>This message is issued when a TMCHIST block is found not to be a multiple of the lrecl or when the SYNAD I/O error exit is driven.</p> <p>When the SYNAD exit is entered, there will also be an XPR0701E message in UPRPRINT. If this indicates "OUT-OF-EXTENT, TTR UNKNOWN", then the TMCHIST file has been allocated across multiple DASD volumes. The internal ExPR indexing routines do not support TMCHIST as a multi-volume dataset. This is due to limitations of the MVS NOTE/POINT facility. Re-allocate the TMCHIST file on a single DASD volume - multiple extents are supported.</p> <p>If the problem is not the OUT-OF-EXTENT error, check that the TMCHIST file definitions are correct. Correct any errors and restart the started task.</p>
XPR0700I	<p><i>variable text</i></p> <p>This message number is used to prefix any unprefixed messages passed to ExPR by an external tape catalog interface modules.</p>

Message ID	Description
XPR0701E	<p>I/O Error: <SYNAD DATA></p> <p>An I/O error occurred while reading or writing a sequential dataset.</p> <p>Check that you have enough space allocated for the file and that the DDname and dataset attributes are correct. Review SYSLOG/UPRPRINT for additional MVS diagnostic messages. If the problem is not due to the above, call StorageTek Software Support.</p>
XPR0702E	<p>CDS Relative Record _____ ID was not _____</p> <p>An inconsistency was found while reading the CDS for a specific record type. This is possibly caused by an invalid CDS.</p> <p>Ensure that the live/online CDS is being used and that HSC has not reported any errors.</p>
XPR0703W	<p>Error Loading SLSXCAL</p> <p>An MVS loader problem was detected while attempting to load the HSC PGMI interface module.</p> <p>Ensure that the correct HSC LOADLIB is defined in the STEPLIB chain.</p>
XPR0704W	<p>Return Code R15=_____ From Programmatic Interface</p> <p>A non-zero return code was returned by the HSC PGMI.</p> <p>Check that HSC is active and functioning correctly. Refer to the HSC System Programmer's Guide for details of HSC PGMI return codes. Return code 20 indicates that the HSC is not active.</p>
XPR0705W	<p>Return Code SLXCMDRC=_____, Reason Code _____ From Programmatic Interface</p> <p>An invalid/unexpected return code from the HSC PGMI was received.</p> <p>Check that HSC is active and functioning correctly.</p>
XPR0706E	<p>Inconsistent Data Returned From Programmatic Interface</p> <p>The PGMI QCONFIG function returned zero configuration elements (ACSs) or the PGMI QSCRATCH function returned zero LSM elements for a particular ACS. This is illogical and may indicate an error in the HSC.</p> <p>Check that the CDS is valid and matches that used by HSC, and that it has not been switched since HSC was started. If this problem persists, report it to the system programmer responsible for HSC/ExPR. Contact StorageTek Software Support if this message cannot be resolved.</p>

Message ID	Description
XPR0707E	<p>Programmatic Interface Response Conflicts With Control Dataset</p> <p>The CDS and programmatic interface do not agree about the number of ACSs or the number of LSMs in an ACS.</p> <p>Check that the CDS is valid and matches that used by HSC, and that it has not been switched since HSC was started. If this problem persists, report it to the system programmer responsible for HSC/ExPR. Contact StorageTek Software Support if this message cannot be resolved.</p>
XPR0708E	<p>Unable to Open DDNAME _____</p> <p>An error occurred while opening a dataset within one of the tape catalog interface modules, possibly caused by a missing or incorrectly coded DD statement.</p> <p>Check the console log for more information and correct the JCL.</p>
XPR0709I	<p>HSC /SLSXCAL Level is v.r.m. (assumed as default)</p> <p>The ExPR PGMI interface module has determined the level of HSC installed by scanning the SLSXCAL module. If the additional text ASSUMED AS DEFAULT appears, the level of HSC could not be determined and 1.2 is assumed.</p>
XPR0710E	<p>XPRQAC1 Incorrectly Invoked</p> <p>A logic error in the ExPR PGMI interface routines was found. No configuration or ACS/LSM information has been extracted from the CDS or PGMI.</p> <p>Call StorageTek Software Support.</p>
XPR0711I	<p>ExPR HSC/PGMI Data Collection Started</p> <p>The ExPR PGMI data collection function has been requested on the START TASKS command. The PGMI function will collect LSM free cell and scratch volume information.</p>
XPR0712I	<p>ExPR STC – STOP Accepted – Please Wait.</p> <p>The operator/system administrator has issued the MVS STOP command to the ExPR started task, which will now terminate. The termination process may take several minutes to complete.</p>
XPR0713E	<p>Error Detected in ExPR HSC/PGMI Data Collection – Processing Continues</p> <p>The ExPR PGMI data collection function has detected an error.</p> <p>Review the ExPR/MVS console/UPRPRINT message previously issued to determine the nature of the problem and the appropriate action to be taken.</p>

Message ID	Description
XPR0714E	<p>Invalid/Unknown ExPR Command: _____</p> <p>The operator-entered ExPR modify command is not a valid ExPR started task command.</p> <p>Enter a valid ExPR console command.</p>
XPR0715I	<p>ExPR v.r Started Task Initializing for System _____ (as Primary/Secondary)</p> <p>The ExPR started task is being initialized as the result of the START command. The functions requested on the TASKS parameter will now be started.</p>
XPR0716I	<p>ExPR SMF Collector Function Started</p> <p>The dynamic ExPR SMF data collection function has been requested on the START TASKS command. The started task will now attempt to synchronize with the ExPR-supplied SMF exit.</p>
XPR0717E	<p>ExPR Started Task Terminating Due to Error</p> <p>The ExPR started task has encountered an error within one of its subordinate functions. The failing function and its associated error will be identified by preceding ExPR and/or MVS messages on the console or UPRPRINT file.</p> <p>Check the original error and take corrective action as required.</p>
XPR0718E	<p>Error Detected in ExPR SMF Collector Function – Processing Continues</p> <p>The dynamic ExPR SMF data collection function has encountered an error.</p> <p>Review the console/UPRPRINT for preceding messages that identify the cause of the failure and take corrective action as required.</p>
XPR0719E	<p>Error Detected in ExPR Real-Time Monitor Function – Processing Continues</p> <p>The ExPR Real-Time Monitor Function has encountered an error.</p> <p>Review the console/UPRPRINT for preceding messages that identify the cause of the problem and take corrective action as required.</p>
XPR0720I	<p>ExPR Real-Time Monitor Function Started</p> <p>This information message is issued if you specified RTM on the START statement. The Real-Time Monitor Function runs as part of the ExPR started task.</p>

Message ID	Description
XPR0721W	<p>LSM _____ Has _____ Available Cells (_____)</p> <p>The Console Monitor Function of the ExPR started task has found that the identified LSM has fewer available cells than the user-defined AVAIL-CELLS threshold (shown in brackets).</p>
XPR0722W	<p>LSM _____ Has _____ Available Scratches (_____)</p> <p>The Console Monitor Function of the ExPR started task has found that the identified LSM has fewer available scratches than the user-defined AVAIL-SCRATCHES threshold (shown in brackets).</p>
XPR0723W	<p>LSM/VTSS/Group _____ Has xx/yy Drives In-Use (_____)</p> <p>The Console Monitor Function of the ExPR started task has found that the identified LSM/VTSS or group has more in-use/allocated drives/virtual drives than the user-defined threshold (shown in brackets). For an LSM or group, the threshold is DRIVES-IN-USE, for a VTSS it is MAX-VTDS. In the message text, xx presents the number of used drives and yy is the total number of drives defined within the particular LSM/VTSS or group. You should be aware that the system may run out of drives when scheduling work.</p>
XPR0724W	<p>Mount Pending For _____ On _____ Job _____</p> <p>The Console Monitor Function of the ExPR started task has found that a mount has been outstanding/unserviced for at least 60 seconds. This mount could be for an LSM drive, a VTSS virtual-drive, or a manual group cart/reel drive. The operator may have missed the mount message, the LSM/VTSS may be busy, or there may be a hardware problem. This message will be reissued every 60 seconds until the mount is serviced or the job terminates.</p>
XPR0725W	<p>Drive _____ Mounted/Allocated But Not Opened by Job _____</p> <p>The named job has allocated the identified drive and a volume has been mounted, or the drive has only been allocated but not mounted by the job. However, the requesting job has not actually opened the tape file. This might indicate the need to use DD parameter FREE=CLOSE to reduce the time that a drive is allocated but not in use by the job.</p>
XPR0726W	<p>UDCFILE records truncated. Increase maximum record length</p> <p>The VSAM CLUSTER definition for the UDCFILE does not allow for a record of sufficient length, based on the largest number of devices defined with any LSM/VTSS or device group. The most probable cause is a device group definition with a large number of devices defined within it.</p> <p>Review the DEFINE CLUSTER for UDCFILE and create and initialize a new file for ExPR to use.</p>

Message ID	Description
XPR0727E	<p>Error opening/writing/closing TCPLOG</p> <p>An error has occurred while accessing the TCPLOG file. This is most probably due to running out of allocated space (x37). If an x37 error has been logged by MVS, then increase the size of the TCPLOG dataset allocation.</p> <p>The TCPLOG file is an internal debugging/logging dataset that is only used under the direction of StorageTek Software Support to resolve an issue with ExPR. Any problem with the TCPLOG file should be reported to the support person who is handling your original issue.</p>
XPR0728I	<p>No Status Exceptions Found</p> <p>In response to the operator command 'CMF STATUS' the Console Monitor Function has found no LSM/VTSS/manual group-related exceptions or no outstanding mounts.</p>
XPR0729E	<p>ExPR CMF Not Active – Command Ignored</p> <p>The Console Monitor Function of the ExPR started task was not activated with option MONITOR CMF(YES); therefore it is not possible to issue operator commands to CMF.</p>
XPR0730I	<p>ExPR SMF Update Function Scheduled</p> <p>The dynamic ExPR SMF update function has been requested on the START TASKS command. The SMF update function will be triggered at regular intervals to process the data collected by the SMF collector and PGMI functions.</p>
XPR0731E	<p>ExPR TCP/IP Server Terminated Due to Error</p> <p>The ExPR TCP/IP server function has encountered an error and is terminating.</p> <p>Review the console/UPRPRINT for preceding messages that identify the cause of the failure and take corrective action as required. The ExPR console command TCP START can be used to restart the TCP/IP interface.</p> <p>Note: This message will not occur for basic networking failures such as loss of connection, loss of client, etc. The server will recover those failures.</p>
XPR0732E	<p>ExPR SMF Update Function Terminated Due to Error</p> <p>The dynamic ExPR SMF update function has encountered an error and is terminating.</p> <p>Review the console/UPRPRINT for preceding messages that identify the cause of the failure and take corrective action as required. The update process can only be restarted by restarting the ExPR started task.</p>

Message ID	Description
XPR0733I	<p>ExPR TCP/IP Server Started</p> <p>This message confirms that the ExPR started task has successfully processed the START TASKS command and that the TCP/IP interface is being activated.</p>
XPR0734I	<p>ExPR TCP/IP Server Terminated</p> <p>The ExPR TCP/IP server is shutting down. This is due to the operator issuing the MVS STOP command or due to a previously reported error.</p>
<p>XPR0735W</p> <p>or</p> <p>XPR0735W</p>	<p>ExPR TCP/IP Interface Error – E=_____ R=_____ S=_____ T=_____</p> <p>ExPR TCP/IP Interface Error – TYPE=_____ ERRNO=_____</p> <p>This message indicates an error was returned from the TCP/IP interface. The ERRNO/E= field is the error number returned from TCP/IP and TYPE/T= is the TCP/IP function being requested. TCP/IP error numbers can be found in the IBM document <i>IBM TCP/IP for MVS – API Reference</i> or <i>OS/390 IP API Guide</i>.</p> <p>If this is a severe error, messages XPR0734I and XPR0731E will also be issued.</p> <p>Check that the TCPIP-PARMS statement HOST-PORT and TCP-NAME values are correct and that the TCP/IP address space is functioning. The ExPR console command TCP START can be used to restart the TCP/IP interface if it was terminated (message XPR0734I).</p> <p>Note: The format of this message depends on the value of TCP-INTERFACE specified in the started task control statements. The first format is from TCP1 and the second is from TCP2. Refer to the <i>ExPR Installation, Configuration, and Administration Guide</i> started task control statement appendix under the TCPIP-PARMS statement TCP-INTERFACE parameter for more information about TCP1 and TCP2.</p> <p>Note: If this message is issued for TYPE=INITAPI and ERRNO=156, the cause is OS/390 OpenEdition OMVS segment authorization in RACF. See the <i>ExPR Installation, Configuration, and Administration Guide</i> under the section titled <i>Authorizing the ExPR Started Task for OS/390 OpenEdition</i>.</p>
XPR0736W	<p>This System (<i>Sysid</i>) is not Defined to ExPR</p> <p>The ExPR TCP/IP server requires that the MVS system on which it executes must be defined to ExPR via the Host Configurator. However, this message may occur on JES3 systems due to the different naming used by HSC, SMF, and JES3.</p>

Message ID	Description
XPR0737I	<p>ExPR UDCFILE User Data Collection Started</p> <p>The ExPR started task has activated the collection of device utilization samples as specified on the MONITOR DUSINT parameter. Records will be written to the file at the requested intervals.</p> <p>A program must be written to process these records. Contact your system programmer.</p>
XPR0738E	<p>ExPR UDCFILE User Data Collection Terminated Due to Error</p> <p>The ExPR Real-Time Monitor has detected an error writing records to the user UDCFILE. This is probably an open time error or due to a full VSAM cluster. The collection of records is terminated immediately for the remainder of this ExPR started task session. The started task continues to execute and perform its other functions uninhibited by the failure of the UDCFILE function.</p> <p>Contact your system programmer.</p>
XPR0739I	<p>SMF-UPDATE Process Suspended by Operator Request</p> <p>The ExPR started task dynamic SMF update process has been suspended by the operator 'SMF SUSPEND' console command. This is usually done to enable batch updating of the ExPR database with other system's SMF data, the SYSLOG process, or TAPECAT UPDATE. When the batch process has completed, you should allow the dynamic update to continue by issuing the 'SMF RESUME' console command. This message will be repeated every hour (on the hour) until the 'SMF RESUME' command is issued.</p>
XPR0740I	<p>SMF-UPDATE Process Resumed by Operator Request</p> <p>The ExPR started task dynamic SMF UPDATE process has been resumed by the 'SMF RESUME' console command. This should be done after the 'SMF SUSPEND' command and the required batch update has completed.</p>
XPR0744I	<p>TCP/IP Read/Write Timeout – Closing Socket. Client = _____ Port=_____.</p> <p>An ExPR read request to a web browser, or another started task has failed to respond within the 20 second read timeout period, or a write request failed to complete within the 10 second write timeout period. This indicates that the connected partner may have stalled or the network link has been broken. The ExPR server will close the socket and continue processing with other TCP/IP requests. The failing client can reconnect to the server when it is ready to do so.</p> <p>This message may be issued occasionally when the primary started task is extremely busy and secondary systems fail to connect to the primary. This situation does not cause any loss of data and the secondary system will retry the transmission 60 seconds later.</p>

Message ID	Description
XPR0745E	<p>Error Detected in ExPR Background Work Task – Processing Continues</p> <p>While processing an asynchronous background function an error was detected.</p> <p>Review the console/UPRPRINT for preceding messages that identify the cause of the failure and take corrective action as required.</p>
XPR0746I	<p>ExPR Exit Queue Status is _____:</p> <p>This message is issued in response to the ExPR started task SMF EXIT command. The exit can be in one of the following states:</p> <p>NOCOLL – SMF-Collector not activated, unable to determine</p> <p>INACT – the exit has never been activated</p> <p>ERROR – the exit previously initiated but subsequently has deactivated itself due to errors</p> <p>ACTIV – the exit is initialized and collecting SMF/RMF data</p> <p>Following the status line, several exit statistics and counters are displayed. These relate to ECSA storage utilization and the number of SMF records collected.</p> <p>If the RMF 73/74 counts are zero, you should check the SMF exit installation notes regarding installations that run CMF instead of RMF.</p> <p>Note that this message uses the MVS multi-line WTO facility.</p>
XPR0747I	<p>ITCU extraction deferred due to SMF SUSPEND</p> <p>The Integrated TAPECAT Update extraction process cannot be performed because an operator SMF SUSPEND command is currently in effect. SMF SUSPEND is used to suspend started task real-time SMF updates to the ExPR database when running a batch job that updates the same database. An ITCU extraction will update the database if the NODBUP option was not specified. An index rebuild request (ITCU RESTART) will not be deferred as this does not update the database. Similarly, an extraction with NODBUP specified will not be deferred.</p> <p>When the batch processes have completed, you must issue the SMF RESUME command to allow real-time SMF updates and ITCU extractions to continue. Manually requested and automatically scheduled ITCU extractions will be deferred until the SMF RESUME command is entered – there is no need to repeat the extraction request.</p>
XPR0748E	<p>Error Writing Data from Secondary System _____ to File _____</p> <p>The primary ExPR started task has encountered an error while receiving data from the named secondary system. This is probably a VSAM file error, such as no available space. Additional details of the error are in the ExPR UPRPRINT dataset. The secondary system that was sending data will issue message XPR0749E.</p> <p>Review UPRPRINT/SYSLOG for additional ExPR/MVS messages.</p>

Message ID	Description
XPR0749E	<p>Error Writing to File _____ at Primary System _____</p> <p>The primary ExPR started task has signaled an error to the connected secondary task. This relates to data being sent to the primary system. The primary system will have issued message XPR0748E.</p> <p>Check the primary system for the cause of the problem.</p>
XPR0750E	<p>Logon Request at _____ from _____ failed – [secondary system not defined / not defined to primary system]</p> <p>This message is issued by the primary and secondary ExPR started tasks when a secondary system that is not defined at the primary system attempts to log on to the primary system. Secondary systems must be defined in the ExPR configuration.</p>
XPR0751I	<p>Secondary System _____ has Logged-on to Primary System _____</p> <p>This message is issued by the primary and secondary ExPR started tasks when a secondary system has successfully logged on to the primary system.</p>
XPR0752E	<p>Unexpected Status Returned by Partner System _____ Status _____</p> <p>This message can be issued by a primary or secondary ExPR started task (but usually a secondary) when the sequence of requests and responses is not as expected. Normally the systems will retry the connection in 60 seconds.</p> <p>If the message persists, contact StorageTek Software Support with details of the status code.</p>
XPR0753E	<p>Error Occurred Initiating Connection to Primary System _____</p> <p>While initiating the TCP/IP link to the primary started task, the secondary system received a non-zero return code from TCP/IP. Message XPR0735W precedes this message with details of the failure. The secondary system will retry the connection every five minutes. However, the message will only be repeated every 15 minutes.</p> <p>Check that the PRIMARY-STC parameters correctly point to the primary host and that the primary started task is executing correctly.</p>
XPR0754I	<p>Secondary system _____ has logged-off from the primary system</p> <p>This message is issued on the primary system when a secondary system is shut down and terminates its connection.</p>

Message ID	Description
XPR0756I	<p><i>Sysid logon-date/time last contact-date/time level lastin/lastout</i></p> <p>This message is issued at the primary started task in response to the HOSTS command. The status of all known secondary hosts is displayed, giving date/time for logon and last connection, the level of the secondary system, and the last inbound/outbound commands.</p> <p>Any sysid marked with ** indicates that the system has not contacted the primary started task for at least 15 minutes. This implies that the secondary system has terminated or the TCP/IP links are down.</p> <p>Note that this message uses the MVS multi-line WTO facility.</p>
XPR0757E	<p>Command Only Valid on Primary System</p> <p>The command entered is only valid on a primary ExPR started task. The system this command was entered on must be either a secondary or standalone ExPR and is therefore unable to process the command.</p> <p>Refer to the <i>ExPR Mainframe User's Guide</i> for valid commands.</p>
XPR0758E	<p>Command Only Valid on Secondary System</p> <p>The command entered is only valid on a secondary ExPR started task. The system this command was entered on must be either a primary or standalone ExPR and is therefore unable to process the command.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for valid commands.</p>
XPR0759E	<p>_____ Parameter Invalid or Missing</p> <p>The operator has incorrectly entered an ExPR started task command. A required parameter is invalid or missing.</p> <p>Check the <i>ExPR Mainframe User's Guide</i> for correct syntax.</p>
XPR0761I	<p>< storage subpool statistics display ></p> <p>This message is issued by an ExPR started task in response to the STORAGE command. It gives details of internal control block storage utilization and is intended primarily as a product support debugging tool.</p> <p>Note that this message uses the MVS multi-line WTO facility. Two lines of output are generated for each internal storage class.</p>

Message ID	Description
XPR0762I	<p data-bbox="394 264 1377 291">Sock --Status-- Client-Type Open-Date/Time Randomid Client Ip-Addr/Port Last-Date/Time/Function</p> <p data-bbox="394 323 1398 411">This message is issued in response to the started task SOCKETS command. It will display the status of each TCP/IP socket associated with the ExPR started task. The individual columns are:</p> <ul data-bbox="394 449 1377 667" style="list-style-type: none"> • Sock the socket number in the range 0 - 1983 • Status the status of the socket - Opening/Open/Closing/Closed • Client-Type connection type – Listening Browser-A or B/Secondary/Primary • Open-Date/Time the date and time the connection was made • Randomid an internal sequence number - useful for debugging purposes • Client Ip-Addr/Port the TCP/IP address of the connected partner • Last-Date/Time/Functn the date/time and the identity of the last activity on this socket <p data-bbox="394 701 1317 762">Note that this message uses the MVS multi-line WTO facility. Two lines of output are generated for each socket displayed.</p>
XPR0763I	<p data-bbox="394 825 849 852">Initial RTD status not determined for MSP</p> <p data-bbox="394 886 1409 974">During initialization, the ExPR started task could not determine the current status of the RTDs attached to VTSS boxes. This will occur when running ExPR against an MSP HSC/VTCS that is prior to version 5.0.</p>
XPR0764I	<p data-bbox="394 1041 1370 1102">ExPR information - Product: ExPR v.r.m Serial(ssssssss) Expires: Permanent(yyyyddd) Trial(yyyyddd)</p> <p data-bbox="394 1136 1406 1251">This message is issued in response to the started task INFO command. It identifies the product version/release and the serial number of this installation. The serial number is required when reporting a problem to StorageTek software support. The expiry date(s) are derived from the product license(s).</p> <p data-bbox="394 1285 1057 1312">Note that this message uses the MVS multi-line WTO facility.</p>
XPR0765I	<p data-bbox="394 1377 829 1404">REORG RESET completed successfully</p> <p data-bbox="394 1438 1386 1499">The reorg failure indicators were successfully reset. The next manual or automatic reorg will be allowed to proceed.</p>
XPR0766E	<p data-bbox="394 1562 846 1589">REORG RESET failed to update database</p> <p data-bbox="394 1623 1357 1684">While attempting to reset the reorg failure indicators, an error occurred while rewriting the information back to the ExPR database.</p> <p data-bbox="394 1717 1130 1745">Check for messages in the ExPR log to determine what the error was.</p>

Message ID	Description
XPR0767E	<p>PRINT command invalid or option missing</p> <p>The PRINT command entered by the operator either had an invalid option specified or no option at all was specified. The only current valid option is DBCR.</p> <p>Correct and re-enter the PRINT command.</p>
XPR0768I	<p>PRINT DBCR completed</p> <p>The output produced by the command can be viewed in the UPRPRINT file for the ExPR started task.</p>
XPR0770I	<p>UPRXT01 Exit Requested <type> Protection.</p> <p>The UPRXT01 user exit is present and loaded by the ExPR started task and has returned 0 in register 15 in response to a query request. The possible vales for <type> are Read, Write, Read/Write, or No.</p>
XPR0771W	<p>SWSADMIN error - unable to automatically extract VSM/VTCS information</p> <p>The VSM SWSADMIN module was not available or gave a return code higher than 4. Information pertaining to the VSM/VTCS system cannot be extracted.</p> <p>The required information will be one of the following:</p> <ul style="list-style-type: none"> • automatic configuration of VTSS, VTDs and RTDs • extraction of MVC and VTV details. <p>In the first case, ExPR cannot generate control statements to define the VSM hardware. As a result of this, VSM data collection will not occur.</p> <p>In the second case, the TAPECAT function will not be able to include details of MVC/VTV volumes. The TAPECAT function will be terminated.</p> <p>Ensure that the load library containing SWSADMIN is available to ExPR. To obtain further details of the SWSADMIN return code, replace the SLSPRINT DD DUMMY statement with SLSPRINT DD SYSOUT=* and re-run.</p>
XPR0772W	<p>Logic Error Processing VTCS Config Keyword _____.</p> <p>An internal logic error has occurred while processing the SWSADMIN DECOM output. Contact StorageTek Software Support.</p>

Message ID	Description
XPR0774W	<p>UPRXT01Exit Abended During ____ Request, Address ____, Intc ____</p> <p>The UPRXT01 security exit abended during a CHECK or QUERY request with the specified interrupt code at the specified address. ExPR issues this message, then percolates the abend to MVS.</p>
XPR0775W	<p>Unknown Subpool Name _____</p> <p>The specified Scratch Subpool name is unknown to HSC. The pool is ignored and processing continues</p>
XPR0776W	<p>Security Exit UPRXT01 Not Present</p> <p>This message is issued when the ExPR started task is started without a security exit present.</p>
XPR0777W	<p>Access Policy _____ Set by UPRXT01 is Invalid, Using Default</p> <p>The user-specified policy in the UPRTXT01 module is not a valid setting. The valid values are R (read), W (write), B (read/write), or N (no). The assumed default is B (read/write).</p>
XPR0778I	<p>UPRXT01 ____ Access Denied for _____</p> <p>Read or write access was denied for the specified user by the call to UPRXT01</p>
XPR0779E	<p>Unable to Locate ASCB for HSC</p> <p>During started task initialization, ExPR failed to determine the HSC subsystem command prefix, as used by MVS. Therefore, ExPR has attempted to locate the HSC by means of the START control statement HSC-JOBNAME parameter. However, ExPR cannot find a job with the specified name. This means that ExPR has been unable to determine the initial status of RTDs.</p>

Message ID	Description
XPR0780E	<p>The ExPR Load Module Must Be APF Authorized</p> <p>The ExPR started task must run from a library that has been APF-authorized to MVS. APF authorization is required due to the following reasons:</p> <ul style="list-style-type: none"> • Your installation has VSM installed • You select RTM, SMF-COLLECTOR, or SMF-UPDATE in the START TASKS statement • You intend to use the batch PERFORM REORGANIZATION function • ExPR's use of authorized console messaging facilities <p>If ExPR is not authorized, the started task initialization terminates with an error.</p> <p>The steps required to authorize ExPR are described in the <i>ExPR Installation, Configuration, and Administration Guide</i> in Chapter 5: <i>ExPR Mainframe Installation and Configuration</i>.</p>
XPR0781E	<p>Unable to Locate SIB for This Host System _____</p> <p>The MVS host on which the ExPR started task is executing is not defined within the ExPR configuration. This message is issued as part of the process to inquire on the initial status of each RTD.</p> <p>Check that the MVS system is defined within the ExPR auto-configuration process (i.e., it is defined within the HSC CDS that ExPR is using).</p>
XPR0782E	<p>Unable to Locate UIB for Device _____</p> <p>While processing the response from the VTCS "D RTD" command, ExPR has found an RTD that is not defined within the ExPR configuration.</p> <p>Check that the RTD is defined within the ExPR auto-configuration process (i.e., it is defined within the HSC CDS that ExPR is using).</p>
XPR0783E	<p>HSC Failed to Supply Data in Response to QCONFIG</p> <p>During the initial RTD status processing, ExPR issues an HSC PGMI QCONFIG request. However, HSC has failed to return any data in response to this request. ExPR is therefore unable to determine the initial status of RTDs.</p> <p>This may be an error in the HSC PGMI interface. Contact StorageTek Software Support.</p>
XPR0784I	<p>Establishing Initial Status of RTDs</p> <p>The ExPR started task is about to determine the current status of the VSM RTD drives. The VTCS "D RTD" should now be issued.</p>

Message ID	Description
XPR0785E	<p>_____ Failed, RC=_____, Reason=_____</p> <p>While invoking the MVS programmatic MCS console facilities, one of the function calls failed.</p> <p>The failing function is identified along with its return code and reason code. These codes are documented in the IBM publication - <i>MVS Authorized Assembler Services Reference Volume 3</i>.</p> <p>Check the return and reason codes. If they are not due to environmental conditions that are installation controllable and the problem persists, report it to StorageTek Software Support.</p>
XPR0786I	<p>Command Issued: _____</p> <p>ExPR is logging the VTCS "D RTD" command that has been issued via the MCS console facility.</p>
XPR0787I	<p>Reply Received: _____</p> <p>ExPR is logging the VTCS responses received from the "D RTD" command.</p>
XPR0788W	<p>: _____</p> <p>This warning message is issued when the message responses from the VTCS "D RTD" command are not as expected.</p> <p>There are various self-explanatory variations of this message:</p> <p>XPR0788W Unexpected sequence of responses XPR0788W Unexpected response from HSC/VSM XPR0788W Possible response sequence error XPR0788W Unable to identify the above response from HSC/VSM XPR0788W No RTD status information returned from HSC/VSM XPR0788W Response "SLS5013I DISPLAY COMPLETED" not found XPR0788W VSM/VTCS not present in the HSC system</p> <p>In each case the response line to which the XPR0788W message applies will also be displayed.</p> <p>Check that the HSC/VTCS system is operating correctly and that the ExPR started task is using the correct HSC CDS. The condition may be caused by a change in the text of a HSC/VTCS message. If everything seems to be correct and the problem persists, report it to StorageTek Software Support.</p>

Message ID	Description
XPR0789E	<p>HSC's Jobname has Not Been Supplied on the START Statement</p> <p>During ExPR startup, the routines that determine the initial RTD status have failed to locate the HSC/VTCS subsystem command prefix character. Therefore, ExPR has attempted to revert to using the HSC job name. However, it has not been specified on the START HSC-JOBNAME parameter. ExPR cannot issue the VTCS "D RTD" command to query RTD status.</p> <p>Restart the ExPR started task with the START HSC-JOBNAME parameter specified.</p>
XPR0790E	<p>Unable to Perform Reorg Function - ExPR Requires APF Authorization</p> <p>The batch PERFORM REORGANIZATION function cannot be executed because the ExPR load library is not APF authorized. Some levels of DF/SMS IDCAMS require APF authorization when called from ExPR during the reorganization processes.</p> <p>The steps required to authorize ExPR are described in the <i>ExPR Installation, Configuration, and Administration Guide</i>, chapter 5, <i>ExPR Mainframe Installation and Configuration Tasks</i>.</p>
XPR0791I	<p>Reorg Complete for DATABASE / PGMIDATA / EXPRORF</p> <p>The named file has been successfully reorganized and is now available for use.</p>
XPR0792E	<p>Invalid or Missing Filename, Valid Names are DATABASE, PGMIDATA or EXPRORF</p> <p>The operator has entered the REORG command to request an on-demand reorganization of an ExPR VSAM file. However, the requested filename is invalid. The filename must be DATABASE, PGMIDATA, or EXPRORF.</p> <p>The system ignores the reorganization request. You must re-enter the command with a valid filename.</p>
XPR0793E	<p>Reorg Will Not be Scheduled</p> <p>The operator has requested an on-demand file reorganization or the batch PERFORM REORGANIZATION has been submitted. However, an error has been detected and the reorganization cannot be scheduled. A preceding message identifies the specific error.</p> <p>Review the preceding message and take the appropriate corrective action</p>

Message ID	Description
XPR0794E	<p>Model DSCB determination failed, CONFIGX not allocated or unusable</p> <p>When trying to determine the model dataset needed to allocate a new GDG generation, either the CONFIGX DD was not allocated or the dataset allocated to it is unusable. The backup and reorg of the database fails.</p> <p>Under normal circumstances, this error should not occur. It should only occur if the supplied ExPR procedure has been modified beyond that specified in the installation instructions. Check the ExPR procedure and, if the CONFIGX DD is as supplied in the sample procedure, contact support for help. If the CONFIGX DD has been modified, reset it back to the supplied value.</p> <p>Once any error has been corrected, a F expr,REORG RESET command will need to be issued to reset the reorg error flag for the database. This will allow the backup and reorg to be processed during the next hourly processing cycle.</p>
XPR0795E	<p>IDCAMS Failed with Return Code _____</p> <p>The dynamically invoked IDCAMS gave an unacceptable return code during the reorganization process.</p> <p>Review the UPRPRINT and SYSLOG for additional IDCAMS messages to determine the cause of the failure.</p> <p>Refer to the <i>ExPR Installation, Configuration, and Administration Guide</i> in appendix D, <i>Automatic File Reorganization under Failure Recovery Procedures</i> for details of possible manual recovery actions.</p>
XPR0796I	<p>Commencing Reorg of _____</p> <p>A dynamic reorganization of the named file (DATABASE, PGMIDATA or EXPRORF) is about to begin.</p>

Message ID	Description
XPR0797E	<p>Reorg Failed to Get Exclusive Use of Dataset _____</p> <p>The named dataset could not be reorganized as the attempt to obtain exclusive enqueue control failed. This indicates that another MVS job is currently using the dataset.</p> <p>Ensure that there are no other jobs using the dataset. The action taken by the system depends on how the reorganization was requested:</p> <ul style="list-style-type: none"> • Scheduled by the started task at midnight or the user selected hour – the enqueue is retried every minute for up to 45 minutes, thereafter the scheduled reorganization is abandoned for all datasets. • Requested by the operator REORG command – the request fails immediately and must be re-entered later. • Batch PERFORM REORGANIZATION – the enqueue is retried every minute, indefinitely until the batch job has exclusive control of the dataset. <p>Check that there are no other jobs using the dataset and request the reorganization again via the operator REORG command.</p>
XPR0798E	<p>Reorg abandoned for _____ due to a previous error on _____</p> <p>During a manual or automatic reorg, an attempt was made to reorg the specified file but a failure during a previous reorg of the second specified file has caused the reorg to be abandoned.</p> <p>Check the ExPR log for the reason for the previous failure, correct that error as per the documentation and then reset the reorg failure indicators.</p> <p>There are two ways to reset the failure indicators. The first is via the REORG RESET operator command. The second is via the RESET option on the PERFORM REORGANIZATION command.</p> <p>Once the reorg failure indicators have been reset, then the next manual or automatic reorg will be allowed to proceed.</p>
XPR0799E	<p>Reorg abandoned for DATABASE / PGMIDATA / EXPRORF</p> <p>The reorganization of the named file has been abandoned due to a preceding error message. Review the preceding messages and take the appropriate action.</p> <p>When the error has been corrected, the reorg failure indicators will need to be reset as described above in XPR0798E. Otherwise, all future manual or automatic reorgs will not be allowed to proceed.</p>

Message ID	Description
XPR0800W	<p>Auto-Delete disabled as file reorg not active</p> <p>The Auto-Delete feature cannot function as the file reorganization feature has not been activated. Auto-delete operates as part of the reorganization process.</p> <p>Review the options via the Host Configurator <i>D/B Management Settings</i> panel. Activate file reorganization to ensure that Auto-Delete can run.</p>
XPR0801W	<p>Database Auto-Delete disabled as database reorg days is zero.</p> <p>The Auto-Delete feature cannot function for the ExPR database because the file reorganization feature has not been activated for the database. Auto-Delete operates as part of the reorganization process.</p> <p>Review the options via the HC Host Configurator <i>D/B Management Settings</i> panel. Ensure that the database file reorganization frequency is not set to zero days.</p>
XPR0802E	<p>Invalid Characters in Reorg DSN Parameter</p> <p>The user-specified file reorganization work dataset name contains invalid characters (i.e., the dataset name does not comply with the MVS dataset naming conventions and syntax).</p> <p>Review the work dataset name as specified via the Host Configurator <i>D/B Management Settings</i> options and make the necessary corrections.</p>
XPR0803W	<p>PGMIDATA Auto-Delete Disabled as PGMIDATA Reorg Days is Zero</p> <p>The Auto-Delete feature cannot function for the ExPR PGMIDATA file because the file reorganization feature has not been activated for PGMIDATA. Auto-Delete operates as part of the reorganization process.</p> <p>Review the options via the HC Host Configurator <i>D/B Management Settings</i> panel. Ensure that the PGMIDATA file reorganization frequency is not set to zero days.</p>
XPR0804E	<p>Reorg Parameters Not Accepted</p> <p>The control statements pertaining to the file reorganization feature are in error. A preceding message identifies the specific problem found. The file reorganization feature will not be performed until the parameters are corrected.</p> <p>Review associated error messages and use the Host Configurator <i>D/B Management Settings</i> option to specify the correct values.</p>
XPR0805I	<p>Reorg Parameters Accepted</p> <p>The control statements for the file reorganization feature have been accepted. The reorganizations will be scheduled as specified.</p>

Message ID	Description
XPR0806W	<p>Reorg and Auto-Delete will be Disabled</p> <p>Errors have been found in the file reorganization parameters. Therefore, the file reorganization and auto-delete features will be disabled.</p> <p>Review the preceding messages to determine the reason for the error.</p>
XPR0807E	<p>Reorg Bypassed as Another Job has the Dataset Allocated, Please Try Later</p> <p>The file reorganization process has been unable to commence because another job is using the dataset.</p> <p>Check which other jobs are using the dataset and request the reorganization when those jobs have completed.</p>
XPR0808W	<p>EXPRORF Auto-Delete Disabled as EXPRORF Reorg Days is Zero</p> <p>The Auto-Delete feature cannot function for the ExPR EXPRORF file because the file reorganization feature has not been activated for EXPRORF. Auto-Delete operates as part of the reorganization process.</p> <p>Review the options via the HC Host Configurator <i>D/B Management Settings</i> panel. Ensure that the EXPRORF file reorganization frequency is not set to zero days.</p>
XPR0809E	<p>Unable to obtain use of dataset _____</p> <p>During initialization of each ExPR execution, a check is made to ensure that the file reorganization function is not running against the files allocated in the JCL stream. This check is achieved through the use of ExPR's own private MVS enqueue resource name.</p> <p>The failing job has found that another ExPR job or started task currently has exclusive use of the private enqueue resource name. This indicates that the other job is currently performing the file reorganization function. Message XPR0810E follows this message.</p> <p>Wait a short time and resubmit the failing ExPR job. Determine which other system is performing the reorganization and await its completion. If the problem persists and there are no other ExPR jobs running, contact StorageTek Software Support.</p>
XPR0810E	<p>Run Aborted as REORG Function is Executing Elsewhere</p> <p>The failing job has been unable to use the allocated VSAM datasets because another ExPR job or started task is performing the file reorganization function. Message XPR0809E precedes this message.</p> <p>See message XPR0809E for further details.</p>

Message ID	Description
XPR0811W	<p>No Reorg Workfile Defined</p> <p>A request to invoke the file reorganization function has been made. This could be from the started task at midnight (or the user selected hour), the operator REORG command, or the batch PERFORM REORGANIZATION function. However, the reorganization process cannot proceed as there is no work file dataset name defined.</p> <p>The work file dataset name is defined via the Host Configurator <i>D/B Management Settings</i> options. Check the Host Configurator to ensure that a work file dataset name has been defined and sent to the MVS started task.</p>
XPR0812E	<p>Reorg DSN Too Long. Max is 35</p> <p>During processing of the file reorganization control statements, the work file dataset name has been found to be longer than 35 characters. The length is restricted to 35 characters as it is appended to by the reorganization processes, thereby ensuring a unique work file dataset name.</p> <p>Check the dataset name specified via the Host Configurator <i>D/B Management Settings</i> options. The client Configurator should not allow more than 35 characters to be entered.</p> <p>If the client is sending more than 35 characters to the mainframe, report the problem to StorageTek Software Support.</p>
XPR0813E	<p>SVC 99 Dynamic Allocation - function QUERY / FREE / ALLOC failed - code x'_____'</p> <p>During file reorganization, an SVC 99 dynamic allocation function (QUERY, FREE or ALLOC) failed with the stated return code. The reorganization of the particular file is abandoned.</p> <p>Immediately preceding this message will be one or more IKJ56231I messages giving an exact description of the failure. Further clarification of the SVC 99 return codes can be found in the IBM publication <i>MVS Authorized Assembler Services Guide</i>.</p> <p>This message indicates an internal logic error. Contact StorageTek Software Support.</p>
XPR0814E	<p>Failure During ENQ for DDname DATABASE / PGMIDATA / EXPRORF</p> <p>During initialization of each ExPR execution, a check is made to ensure that the file reorganization function is not running against the files allocated in the JCL stream. This check is achieved through the use of ExPR's own private MVS enqueue resource name.</p> <p>The failing job has encountered an error when issuing the shared enqueue against the identified DDname.</p> <p>Rerun the job again. If the problem persists, contact StorageTek Software Support.</p>

Message ID	Description
XPR0815I	<p>DELETE of _____ successful</p> <p>The specified LSM, VTSS or device group was successfully deleted from the ExPR configuration information.</p>
XPR0816E	<p>DELETE of ____ ____ failed: _____</p> <p>The delete of the specified LSM, VTSS or device group failed for one of the following reasons:</p> <ul style="list-style-type: none"> • Name not found – The specified LSM, VTSS or device group is not known to ExPR. • Not in delete status – The specified LSM, VTSS or device group is currently an active entry. Only entries in a delete status can be permanently deleted.
XPR0817E	<p>DELETE command invalid: _____</p> <p>The DELETE command entered is invalid for one of the following reasons:</p> <ul style="list-style-type: none"> • Missing option – The delete command was entered without an additional option, e.g. LSM, VTSS or DEVICE-GROUP. • Invalid option – The only valid options on the DELETE command are LSM, VTSS or DEVICE-GROUP. • Name missing – A valid option was specified for the DELETE command but no value was specified for that option (for example, VTSS was specified without a VTSS name). • Name too long – The value specified for the option contains too many characters for that option. For LSM, the value must be seven characters in length and consists of a three-character ACS number, a hyphen followed by a three-character LSM number. For VTSS, the value can be up to eight characters in length and is the name of the VTSS as defined to VTCS. For device-groups, the value can be up to eight characters in length and is the name of the device group when it was first defined.
XPR0821W	<p>Backup GDG Base/PDS has not been defined</p> <p>A member or relative generation was found in the dataset name indicating either a PDS or GDG was being specified but either the PDS or GDG base has not been defined. This message can also be issued if a negative relative generation is specified and that generation does not exist, e.g. there are 5 generations in the GDG and -6 is specified.</p> <p>Define the PDS or GDG base before the first backup to prevent the backup from failing. If a negative generation has been specified that doesn't exist, change the generation number to one that does exist.</p>

Message ID	Description
XPR0822E	<p>Backup dataset CATALOG error, RC = 'nn'</p> <p>The supplied dataset name returned a catalog error of 'nn'.</p> <p>Investigate the CATALOG return code and address the error prior to the next scheduled backup. If the problem persists, contact StorageTek Software Support.</p>
XPR0823E	<p>Backup GDG but no generation</p> <p>The backup dataset name is a valid GDG base but no generation has been specified.</p> <p>Supply a valid generation number prior to the next scheduled backup.</p>
XPR0824E	<p>Backup dataset LOCATE error, RC = 'nn'</p> <p>The indicated catalog LOCATE returned an error of 'nn'.</p> <p>Investigate the LOCATE return code and address the error prior to the next scheduled backup.</p>
XPR0825W	<p>Backup parameters not accepted due to a previous error</p> <p>The backup parameters were rejected because of a previous error.</p> <p>Correct the error(s) prior to the next scheduled backup.</p>
XPR0826I	<p>Backup parameters accepted</p> <p>Control statements for the database backup have been accepted, and the backup will proceed prior to dataset reorganization.</p>
XPR0827E	<p>No Backup file defined</p> <p>A backup dataset name has not been supplied. Backup is marked inactive and ExPR processing continues.</p> <p>Supply a valid dataset name before next REORG if backup is required.</p>

Message ID	Description
XPR0828E	<p>Backup GDG Base/PDS _____ is still not defined</p> <p>While performing the database backup, it was found that the PDS or GDG name specified in the user configuration has still not been defined. The backup and reorg of the ExPR database fails. This message can also be issued if a negative relative generation is specified and that generation does not exist, e.g. there are 5 generations in the GDG and -6 is specified.</p> <p>Define the PDS or GDG base. Once defined, issue the F expr,REORG RESET command to reset the reorg error flag for the database. This will allow the backup and reorg to be processed during the next hourly processing cycle. If a negative generation has been specified that doesn't exist, change the generation number to one that does exist.</p>
XPR0829I	<p>Backup not performed, as it is marked inactive</p> <p>This may be because user has not requested a backup, or if an error was detected in the backup parameters during initial parameter processing.</p> <p>If the inactive state was not by user intent (e.g. undefined GDG base) then address the condition before the next REORG. See associated messages to determine the exact problem.</p>
XPR0830I	<p>Commencing Backup of DATABASE</p> <p>Backup parameters were validated and backup of the database has begun prior to REORG.</p>
XPR0831I	<p>Backup complete for DATABASE</p> <p>The backup was successful and ExPR proceeds with REORG.</p>
XPR0832I	<p>Backup dataset is _____</p> <p>An informative message displaying the name of the backup dataset. If a GDG was requested, this will display the fully qualified dataset name.</p>
XPR0833E	<p>SVC 99 Dynamic allocation – function xxxxxxxx failed – code X'xxxx' SMS reason code X'xxxx'</p> <p>Dynamic allocation failed for function xxxxxxxx, with code and SMS reason codes as shown. This can occur during database backup prior to database REORG, or during TAPECAT extraction processing. The context should be obvious from adjacent messages.</p> <p>Research the return and SMS reason codes and correct as appropriate.</p>

Message ID	Description
XPR0834E	<p>Backup of DATABASE abandoned</p> <p>Backup could not proceed because of a previous error. Database REORG will be bypassed.</p> <p>Correct the indicated error prior to next REORG.</p>
XPR0835E	<p>Backup dataset must be on DASD</p> <p>Parameters indicate a dataset which is not on a DASD device.</p> <p>Specify a DASD dataset for next backup.</p>
XPR0836W	<p>Backup is marked active but database reorganization is not, the backup will not be performed</p> <p>You have requested that ExPR perform a backup of its database but as this is done as part of the reorganization of the ExPR database and you have not asked for a reorganization of the database to be done, the backup will not be performed.</p> <p>If you want a backup to be performed, you must active reorganization for the ExPR database.</p>
XPR0837E	<p>XPR0837E Backup dataset name invalid, _____</p> <p>The backup dataset name in the user configuration is not valid for the specified reason. Backup is marked inactive.</p> <p>Correct the backup dataset name using the Host Configurator.</p>
XPR0838E	<p>Backup dataset unusable, _____</p> <p>When attempting to backup the ExPR database, the dataset specified was not usable for the specified reason.</p> <p>Change the backup dataset to be either a physical sequential or partitioned dataset. If a physical sequential dataset is required, it can be a GDG dataset. Once a correct name has been entered, issue the F expr,REORG RESET command to reset the reorg error flag for the database. This will allow the backup and reorg to be processed during the next hourly processing cycle.</p>
XPR0841W	<p>INTEGRATED-TAPECAT history GDG base has not been defined</p> <p>The ITCU history dataset has been specified as a GDG; however the GDG base definition has not been defined in the ICF catalog structure.</p> <p>Define the GDG base using IDCAMS or correct the history dataset name via the Host Configurator application and resubmit.</p>

Message ID	Description
XPR0842E	<p>INTEGRATED-TAPECAT history dataset catalog error, RC=_____</p> <p>The ITCU history dataset cannot be found in the ICF catalog structure.</p> <p>Define the history dataset or correct the history dataset name via the Host Configurator application and resubmit.</p>
XPR0843E	<p>INTEGRATED-TAPECAT history GDG, but no generation</p> <p>The ITCU history dataset has been defined within the ICF catalog structure as a GDG, however you have failed to specify a generation number in the Host Configurator application.</p> <p>You must specify the generation number in the form (+1), (0), etc and r-submit the configuration.</p>
XPR0844E	<p>INTEGRATED-TAPECAT history dataset LOCATE error, RC=_____</p> <p>The ITCU history dataset cannot be found in the ICF catalog structure or DASD VTOC.</p> <p>Define the history dataset or correct the history dataset name via the Host Configurator application and resubmit.</p>
XPR0845W	<p>INTEGRATED-TAPECAT parameters not accepted</p> <p>The ITCU parameters have been rejected due to a previous error or warning message.</p> <p>Review the previous message and correct the problem.</p>
XPR0846I	<p>INTEGRATED-TAPECAT parameters accepted</p> <p>The ITCU parameters have been accepted and put in to effect</p>
XPR0847E	<p>No INTEGRATED-TAPECAT history file defined</p> <p>The ITCU history dataset has not been defined via the Host Configurator application, i.e. – the dataset name field has been left as blanks.</p> <p>Enter the history dataset name and resubmit the configuration.</p>

Message ID	Description
XPR0848E	<p>INTEGRATED-TAPECAT history copy GDG _____ is still undefined</p> <p>During ExPR startup, message XPR0841W was issued to advise of the lack of a GDG base definition. The ITCU function has just attempted to create a history copy dataset, but has found that the GDG base is still undefined.</p> <p>Define the GDG base using IDCAMS or correct the history dataset name via the Host Configurator application and resubmit.</p>
XPR0849E	<p>INTEGRATED-TAPECAT history copy not performed due to previous error</p> <p>During a scheduled ITCU extraction run, a warning or error message has been issued that indicates why it is not possible to create a history copy dataset.</p> <p>Review the previous message and correct the problem.</p>
XPR0850I	<p>INTEGRATED-TAPECAT history copy starting</p> <p>The requested ITCU history dataset copy is about to start after a successful tape catalog extraction.</p>
XPR0851I	<p>INTEGRATED-TAPECAT history copy complete</p> <p>The ITCU history dataset copy has completed successfully.</p>
XPR0852I	<p>INTEGRATED-TAPECAT history copy dataset is: _____</p> <p>The named dataset has been allocated for the ITCU history copy.</p>
XPR0853E	<p>INTEGRATED-TAPECAT history copy terminated due to OPEN/READ/WRITE error</p> <p>During the ITCU history dataset copy an error has occurred and the copy has terminated abnormally.</p> <p>Review the preceding messages to determine the cause of the error.</p>
XPR0854I	<p>INTEGRATED-TAPECAT history copy abandoned</p> <p>The ITCU history copy has been abandoned due to a preceding error.</p> <p>Check the preceding messages to determine the cause.</p>

Message ID	Description
XPR0855E	<p>INTEGRATED-TAPECAT history copy dataset must be on DASD</p> <p>The ITCU history dataset has been defined via JCL or ICF catalog definition as a non-DASD (tape) dataset. ExPR does not support this.</p> <p>Redefine the history dataset as a DASD-based file.</p>
XPR0999I	<p>'command text'</p> <p>This message echoes an ExPR started task operator command on the system console and master SYSLOG file.</p>
XPR1000I	<p>TAPECAT GUI Function Not Active on This ExPR Started Task</p> <p>This message is sent to the client. A client has attempted to extract TAPECAT information from an ExPR started task that does not currently support the function (i.e., the parameter START TASKS(TAPECAT-GUI) was not specified.</p> <p>Connect the client to another started task or restart the started task with TAPECAT-GUI specified.</p>
XPR1001I	<p>TAPECAT GUI Function Currently Extracting – Please Wait a Short Time and Retry</p> <p>This message is sent to the client. A client has attempted to query the TAPECAT file while a previously requested extraction is running. This will occur immediately after the started task has initialized.</p> <p>Wait a minute or two and retry the inquiry.</p>
XPR1002E	<p>TAPECAT GUI Function Unavailable – Extraction Completed With Errors. Review UPRPRINT/SYSOUT for Details.</p> <p>This message is sent to the client. A client has attempted to query the TAPECAT file but the last tape catalog extraction failed with errors. The extraction file is currently not useable.</p> <p>Check the started task SYSLOG/UPRPRINT for details of the failure. You can request an extraction refresh to possibly clear the error condition.</p>
XPR1003I	<p>TAPECAT GUI Extraction Request Scheduled</p> <p>This message is sent to the client. A client has requested an extraction refresh. The started task will schedule the request within the internal work queues. While extracting from the tape catalog, the TAPECAT GUI function will be unavailable.</p>

Message ID	Description
XPR1004I	<p>TAPECAT GUI Extraction Request Ignored</p> <p>This message is sent to the client. A client has requested a new extraction from the tape catalog but an extraction is already scheduled or running within the started task. The duplicate request is ignored.</p>
XPR1005E	<p>Dataset Size Operator (<i>xx</i>) or Dataset Size Invalid (Bytes) – <i>nnnnnnnnnn</i></p> <p>This message is sent to the client. When selecting the optional dataset size filtering, the GUI has sent an invalid request to the started task. The valid options are LE or GE for the size comparison operator. The dataset size field must be numeric.</p> <p>The client should not accept invalid options. Contact StorageTek Software Support to report this error.</p>
XPR1006E	<p>Volume Size Operator (<i>xx</i>) or Volume Size Invalid (Mb) – <i>nnnnnnnnnn</i></p> <p>This message is sent to the client. When selecting the optional volume size filtering, the client has sent an invalid request to the started task. The valid options are LE or GE for the size comparison operator. The volume size field must be numeric.</p> <p>The client should not accept invalid options. Contact StorageTek Software Support to report this error.</p>
XPR1007E	<p>Number of Response Packets Invalid – <i>nnnnnnnn</i></p> <p>This message is sent to the client. The client has sent an invalid request specifying the number of responses to be returned from the TAPECAT search.</p> <p>The client should not accept an invalid value. Contact StorageTek Software Support to report this error.</p>
XPR1008E	<p>Dataset Mask Invalid – <i>dataset name details</i></p> <p>This message is sent to the client. When selecting the optional dataset name filtering, the client has sent a dataset name mask that has an invalid MVS dataset name syntax.</p> <p>The client should not accept invalid name masks. Contact StorageTek Software Support to report this error.</p>
XPR1009I	<p>TAPECAT GUI Scan Request Ignored Due to Previous Errors</p> <p>This message is sent to the client. When attempting to scan the TAPECAT file, one of the error messages XPR1005E, XPR1006E, XPR1007E, or XPR1008E has been issued. The scan will not proceed until all of the selection criteria is valid.</p> <p>Correct the select criteria and resubmit the scan request.</p>

Message ID	Description
XPR1010I	<p data-bbox="391 268 1052 296">More TAPECAT GUI Matches Exist - Record Limit Reached</p> <p data-bbox="391 327 1386 417">This message is sent to the client. While processing a scan of the TAPECAT file, more matching records have been found than the limit specified in the selection field "Return up to <i>nnnnnnn</i> records".</p> <p data-bbox="391 449 1386 539">When you have reviewed the returned matches, you can adjust the search criteria to resume from the point at which it previously ended. Alternatively, you can resubmit the same search with a larger number of response records specified.</p>
XPR9998I	<p data-bbox="391 604 743 632">ExPR waiting until reply entered</p> <p data-bbox="391 663 1398 753">This is an internal debugging/testing message that may be issued in response to certain special commands supplied to you as part of a problem investigation. There is no actual textual response required, merely a null reply.</p>
XPR9999I	<p data-bbox="391 821 1159 848">Internal Errors: Undefined Message # _____ - Caller was <i>modulename</i></p> <p data-bbox="391 879 1409 936">The ExPR message management routine has failed to find the requested message in the internal tables. Execution continues without raising a non-zero return code.</p> <p data-bbox="391 968 964 995">Report this problem to StorageTek Software Support.</p>

Chapter 3: ExPR HTTP Server Messages for ExPR GUI Services

Overview

This chapter lists messages that may be generated by the ExPR HTTP server when servicing the ExPR GUI feature, along with an explanation of probable causes, and recommended actions.

ExPR HTTP Server Messages

SKY001I	<i>name Server version starting on system running MVS level</i> Http server startup message.
SKY002E	Error binding server socket - terminating The server cannot bind to the specified network port. The server will shut down.
SKY003I	<i>name ready to accept requests</i> The server name is ready for normal operation.
SKY004E	Error opening server socket - terminating The server cannot open a socket connection to the required network port. The server shuts down.
SKY005E	Server select failed rc= <i>ret</i> err= <i>msg</i> An error occurred while listening for a client connection.
SKY006I	TCP/IP connection terminated The client connection was terminated.

SKY007E Accept error - shutting down
 There was an error in network connection accept processing. The server shuts down.

SKY008E Error reading request
 There was a network error whilst reading a client request.

SKY013I Shutdown command from operator acknowledged
 The server has received a console command to shut down.

SKY016I name Server ver started at tttt "requests received: nnn "tasks
 default: dd active: aa limit: ll

 Response to an operator display status command and indicates the server name, version,
 start date and the total number of requests received. It also details the worker task
 settings, the default number of idle tasks, the maximum limit of dynamically started tasks
 and the current number of active tasks.

SKY018I Request n task completed rc=ret
 The worker task t has completed with return code ret.

SKY023E Unknown server command: cmd
 The command cmd is not a valid console command.

SKY025E Invalid command option: oooo
 The option oooo is not a valid option for the operator command.

SKY030E Missing to/from translation string
 The data set file name translation is incorrect.

SKY031W Not APF authorized, some facilities not available
 The httpd server has found it is not APF authorized.

SKY043E Terminating execution due to parameter error(s)
 There was an error is one or more parameters. The server shuts down.

SKY045E	SAF authentication requested but not APF authorized SAF authentication requires caller to be APF authorized but server is not APF authorized. The server will shut down.
SKY046E	Supplied <i>parm</i> is too long The length of the parameter string <i>parm</i> exceeds the allowed length.
SKY047E	Unable to open <i>dsname</i> The httpd server was unable to open the data set <i>dsname</i> in response to a client request.
SKY049E	Not APF authorized, cannot continue The server is not APF authorized but APF authorization is required. The server will shut down.
SKY050E	Task shutdown time expired, terminating tasks During http server shutdown, some tasks have not stopped before the shutdown timeout was exceeded. These tasks will be forcibly terminated.
SKY051E	Cannot find server module <i>name</i> When the httpd server did its startup checks, it could not find its module: <i>name</i> .
SKY052E	Cannot find all server modules, shutting down The httpd server could not find all of its modules when it did its startup checks, the server shuts down.
SKY053E	Fatal error in main task, commencing forced shutdown The server has suffered a fatal error in its main task and was not able to do an orderly shutdown.
SKY054E	Fatal error in main task, attempting orderly shutdown The server has suffered a fatal error in its main task and is attempting to do an orderly shutdown.
SKY055I	Forcibly terminating task <i>id</i> The task <i>id</i> will be forcibly terminated.

SKY056I Disable abend handling option specified, handling disabled
The httpd server abend handlers will not be enabled so any abends can cause dumps and may also crash the server.

SKY059E Error initializing translation tables
There was an error initializing the server file name translation table.

SKY060E SERVERBASE not set, shutting down
The required parameter SERVERBASE was not set in the parameter file. The server shuts down since it cannot locate its data files.

SKY061I Authentication request received from client at
xxx.xxx.xxx.xxx : pppp
A request to authenticate was received from the client at network address xxx.xxx.xxx.xxx and port pppp.

SKY100W Unable to set socket *option* to *value*
The named socket option could not be set. Processing continues.

SKY101W Unable to set socket option
A socket option could not be set.

SKY102E Socket *option* error: *explanation*
Indicates why a socket option could not be set.

SKY103E Cannot open parameter file *dsname*, terminating
The httpd server was unable to open the parameter file *dsname*. The server shuts down.

SKY104E Parameter *ppp* invalid
The parameter *ppp* is not known.

SKY105E Unexpected character *c* encountered, skipping line
When parsing the parameter file an unexpected character was encountered. The parameter is skipped by moving onto the next line.

SKY106E	Expected number but non numeric: <i>ssss</i> When parsing the parameter file a non numeric item was found when a number was expected.
SKY108E	Expected string: <i>ssss</i> , skipping When parsing the parameter file the string <i>ssss</i> was expected but not found. Parsing skips on the next parameter.
SKY109I	<i>pppp</i> set to <i>vvv</i> When reading the parameter file the parameter <i>pppp</i> was set to the value <i>vvv</i> .
SKY110E	Unknown token type: <i>tttt</i> The parameter token is unknown.
SKY115I	Commencing server shutdown The server has started shutting down.
SKY116E	Task <i>tttt</i> unable to get client id An error occurred when passing a socket connection to the work task <i>tttt</i> .
SKY118I	Task <i>t</i> waiting for work The worker task <i>t</i> is now idle after finishing a request.
SKY119I	Task <i>t</i> shutting down Task <i>t</i> has commenced shutting down.
SKY120E	Task <i>t</i> unable to allocate dir list buffer The worker task <i>t</i> was unable to allocate a memory buffer needed for a directory listing.
SKY121E	Task <i>t</i> unable to open directory readme The worker task <i>t</i> encountered an error when attempting to open a directory readme file while listing a directory.

SKY124I Task *t* connection terminated by peer *adr*
The network connection to worker task *t* was terminated by the client with IP address *adr*.

SKY125E Task *t cmp*, abend *aaa* caught
The abend handler for task *t* in component *cmp*, intercepted a type *aaa* abend. Task *t* will be shutdown and a replacement task created.

SKY126E Task *t cmp*, illegal instruction abend caught. Code *aaa*
The abend handler for task *t* in component *cmp*, intercepted an illegal instruction abend of type *aaa*. Task *t* will be shutdown and a replacement task created.

SKY127E Task *t cmp* memory access abend caught. Code *aaa*
The abend handler for task *t* in component *cmp*, intercepted an memory abend of type *aaa*. Task *t* will be shutdown and a replacement task created.

SKY129E *ppp* out of valid range min - max
The numeric parameter *ppp* is outside the allowed range.

SKY130I *hhh* handler ready
The handler *hhh* task has finished initializing and is ready for work.

SKY131I *hhh* handler shutting down
The handler *hhh* task has started shutting down.

SKY132E *hhh* handler startup timeout, terminating
The startup timeout for the handler task *hhh* has been exceeded. The handler will be terminated.

SKY133E Unable to start *hhh* handler, terminating
The httpd server was unable to start it handler task *hhh*. The server shuts down.

SKY135E Unable to open log, reason: *rrr*
The log handler task was unable to open the log file for reason *rrr*.

SKY136W

Out of memory for stack space, requested *nnnn* bytes
A httpd server task was unable to allocate stack memory.

SKY138W

No free worker tasks, at maximum limit
A request has been received but there are no idle worker tasks and the number of tasks is at the maximum limit. A server busy request is returned to the client. If this condition occurs frequently consider increasing the maximum limit of worker tasks to a value where this is a rare occurrence.

Chapter 4: ExPR GUI Alert Messages

Overview

This chapter lists messages that the ExPR GUI may pop up on your browser as an alert window, along with an explanation of probable cause, and recommended actions.

ExPR GUI Alert Messages

Error Processing XML response: ...

The data received from the ExPR CGI Web process was not in XML format. The reason for the error is listed.

An internal error has been received from the CGI HTTP service: ...

The ExPR CGI Web process named had a fatal error and did not respond correctly. Please contact Software Support.

Internal errors have occurred: ...

The ExPR Applet window could be started due to key information not being available. This normally will occur due to the HTTP web server for ExPR being incorrectly configured.

An error has occurred with the graph request.

An ExPR graph request could not be processed. The most common cause can be due to communication problems.

Your request has been submitted successfully.

This indicates that the ExPR started task has accepted the report requested. The report should appear shortly in the Report Viewer window.

Request couldn't be processed. This is because the Report Viewer is still initializing.

The ExPR Report Viewer window is still initializing and is not yet ready to accept requests. Please try again when the window reports it is ready.

Request couldn't be processed. The Report Viewed isn't open. Opening now.

The ExPR Report Viewer window is currently not open. Report request cannot be accepted until the ExPR Report Viewer window is present. The window will be automatically started, but you must submit your request again.

An error has occurred: ..."

"The port number of the ExPR started task has not been specified."

The ExPR HTTP server has not been configured with the port number of the ExPR starter task. This is a configuration problem.

"The IP address of the ExPR started task has not been specified."

The ExPR HTTP server has not been configured with the IP address of the ExPR starter task. This is a configuration problem.

"The IP address of the ExPR started task can not be resolved."

The ExPR HTTP server has not been configured with the correct IP address of the ExPR starter task. This is a configuration or networking problem.

"The USER ID of the HTTP server has not been specified."

The ExPR HTTP server has not been configured with the correct security setup to support user accounts. This is a configuration or security problem.

"There was a problem establishing a connection to the ExPR started task."

The ExPR HTTP server was not able to establish a connection with the ExPR starter task. This is a communication problem or the server may not be running.

"Error sending command to the ExPR started task."

The ExPR HTTP server was not able to send a request to the ExPR starter task. This is a communication problem or the server may not be running.

"No identifier for the Report Viewer Applet was provided. This is an internal error."

This is an internal error. Please contact Software support.

"Can not find the Report Viewer applet."

The ExPR Report Viewer window was not running. The ExPR starter task is not able to forward report requested.

"There was a problem reading from ExPR started task socket."

The ExPR HTTP server was not able to receive a response from the ExPR starter task. This is a communication problem or the server may not be running.

"The ExPR command was rejected. This is an internal error."

A request was rejected by the ExPR starter task. This is usually an internal error or configuration problem with the MVS managed host. Contact Software Support.

"No fields were returned with your request."

The report request returned no useful data for the selection criteria. Please review your request.

"There was a problem sending the xml content type header."

"There was a problem sending the xml version header."

"There was a problem sending the xml data."

The ExPR HTTP CGI process was not able to send the data to the Web browser. This is caused by network communication problems.

Appendix A: ExPR Host Report Identifiers

This chapter provides a cross-reference of ExPR reports and report identifiers.

In the top right-hand corner of each report page printed by ExPR, there is a report identifier in the format XPRREP*nnn*, where *nnn* can be a number from 000 to 255.

The report identifier forms part of the unique report key for reports that are created in the Online Report File (ORF).

When reporting a problem or referring to a report in correspondence, the report identifier should always be quoted to avoid confusion, particularly for similarly named reports (i.e., MOUNTS, MOUNTS-ACS, VTSS-MOUNTS, etc.).

The table below cross-references the report identifiers to the ExPR command/function that generates them.

XPRREP<i>nnn</i>	Function/Keyword	Description
000	EXEC EXPR	Command/parameter processing and validation
007	REPORT(DB-CONTENTS)	Summary of database content/record-types
009	REPORT(ORF-INDEX)	Index display of the Online Report File
010	REPORT(SYSTEM-MOUNTS)	Summary report of all mounts within an MVS system
011	TAPECAT(TAPE-SIZING)	Summary report of all mounts within an MVS system, highlighting the peak throughput window based on data transferred
012	SMF-UPDATE	Exception events listing from SMF/RMF data with DB update
013	SMF-REPORT	Exception events listing from SMF/RMF data with DB update
014	SMF-UPDATE/REPORT	SMF/RMF record selection and sort
015	SYSLOG-UPDATE	Details of MVS allocation/recovery events
016	REPORT(ALLOC-REC)	Summary of MVS allocation/recovery events
017	REPORT(TAPE-ERRORS)	Summary of permanent and temporary media errors
018	REPORT(CU-BUSY)	Summary of tape control unit activity/performance

XPRREPnnn	Function/Keyword	Description
019	REPORT(PATH-BUSY)	Summary of tape channel group activity/performance
020	REPORT(MOUNTS)	Summary report of mount activity within an LSM
021	REPORT(MOUNTS-ACS)	Summary report of mount activity within an ACS
022	REPORT(MOUNTS-DETAILS)	Detail report breakdown of LSM mount activity
023	REPORT(MOUNTS-LSMS-USED)	Summary report of passthru lengths per LSM
024	REPORT(CONTENTS)	Summary of cartridge movements and LSM contents
025	REPORT(UTILIZATION)	Summary of robotic arm activity and drives used per LSM
026	REPORT(THRESHOLDS)	Overall summary of LSM statistics against user thresholds
027	REPORT(DEMAND-ENTERS)	Summary of mounts that required cartridge loading via CAP
028	REPORT(SCRATCH-SUBPOOL)	Summary of HSC scratch subpool sizes
030	REPORT(VTSS-MOUNTS)	Summary of mount activity within a VTSS
033	VTSS-SMF-AUDIT	Detail report of VTSS VTD/RTD activity from SMF/RMF data
035	REPORT(VTSS-UTILIZATION)	Summary of drive utilization within a VTSS
036	REPORT(VTSS-THRESHOLDS)	Overall summary of VTSS statistics against user thresholds
037	REPORT(VTSS-INTERFACE-PERFORMANCE)	Summary of VTSS interface performance statistics
038	REPORT(VTSS-RESIDENCY)	Summary of VTV residency and hit rate within a VTSS.
039	REPORT(VTSS-INTERNAL-PERFORMANCE)	Summary of VTSS internal performance statistics
040	REPORT(DEVICE-GROUP-MOUNTS)	Summary of mount activity for a device group
045	REPORT(DEVICE-GROUP-UTILIZATION)	Summary of drive utilization within a device group
050	TAPECAT UPDATE	Summary report from the TAPECAT UPDATE process
051	TAPECAT SUMMARY	Volume summary report from TAPECAT SUMMARY
052	TAPECAT HISTORY	Comparison report from two generations of TMCHIST

XPRREPnnn	Function/Keyword	Description
053	TAPECAT TAPE-SIZING	Summary report of the complete tape library's contents with comparison of various media requirements
060	TAPECAT REPORT	Volume Details report sorted by – BYVOL
061	TAPECAT REPORT	Volume Details report sorted by – BYDSN
062	TAPECAT REPORT	Volume Details report sorted by – BYREF
063	TAPECAT REPORT	Volume Details report sorted by – BYUTIL
064	TAPECAT REPORT	Volume Details report sorted by – BYUSE
065	TAPECAT REPORT	Volume Details report sorted by – BYMEGS
066	TAPECAT REPORT	Volume Details report sorted by – BYACS
067	TAPECAT REPORT	Volume Details report sorted by – BYMEDIA
068	TAPECAT REPORT	Volume Details report sorted by – BYBLKSZ
069	TAPECAT REPORT	Volume Details report sorted by – BYBLKCT
070	TAPECAT REPORT	Volume Details report sorted by – BYLRECL
071	TAPECAT REPORT	Volume Details report sorted by – BYDSNS
072	TAPECAT REPORT	Volume Details report sorted by – BYRECFM
073	TAPECAT REPORT	Volume Details report sorted by – BYSCR
074	TAPECAT REPORT	Volume Details report sorted by – BYCREATE
075	TAPECAT REPORT	Volume Details report sorted by – BYAGE
076	TAPECAT REPORT	Volume Details report sorted by – BYMVCS
077	TAPECAT REPORT	Volume Details report sorted by – BYMAVAIL
078	TAPECAT REPORT	Volume Details report sorted by – BYMUSED
079	TAPECAT REPORT	Volume Details report sorted by – BYMFRAG
080	TAPECAT REPORT	Volume Details report sorted by – BYMMOUNTS
081	TAPECAT REPORT	Volume Details report sorted by – BYVTVSIZE
082	TAPECAT REPORT	Volume Details report sorted by – BYVTSS
083	TAPECAT REPORT	Volume Details report sorted by – BYVOLSET
099	REPORT(user-written)	User-written reports using the ExPR API

Appendix B : Reporting ExPR Problems

When reporting an ExPR MVS problem, you should have the following minimum information available:

- The JES2/JES3 message job log.
- The JCL expansion/interpretation log.
- The jobs allocation log.
- The output from each step.
- ExPR control statements listing generated by EXEC PARM='OPTIONS(+GCSA)'.
- The levels of MVS, JES2/JES3, HSC, ExPR, and the tape management system.
- The level of VTCS, CSC, and SMC, if applicable.
- The tape management system (CA-1, CA-TLMS, DF/SMSrmm, Control-T, ASG-Zara, etc.) and level, if applicable.

When reporting an ExPR GUI problem, you should have the following minimum information available:

- Your computer type (PC, SunRay, etc.) and its Windowing environment (Windows, Solaris, etc.) and version.
- Your browser type (Firefox, IE, etc.) and version.

When reporting an ExPR PC Component problem, you should first know that the ExPR PC Component is now in sustain support only and will not have further engineering changes. The ExPR PC Component was effectively replaced by the ExPR Web-based GUI in ExPR Release 6.1. To report a PC Component problem, you should have the following minimum information available:

- The name and version of the application that appears to be causing a problem.
 - In the application window, click **Help**.
 - Click **About** to display the application name, version, and build number.
- The version of Windows you are using and the type of computer you are using.
 - On the desktop, click **My Computer**.
 - Click **Control Panel**.

- Click **System**.
- Click the **General** tab to display the Windows version, the computer manufacturer, model, processor, and installed memory.

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