

Chapter 1: Messages and Codes

QUEST Processor Messages.....	5
CONTROL Processor Messages.....	5
SYSTEM 2000 Interface Messages.....	6
System-Wide and Multi-User Messages.....	7
SYSTEM 2000 Error Codes.....	7
WTO Message Descriptions.....	8
Changes to Operator Commands.....	9

QUEST Processor Messages

- 352- DATABASE ITEMS IN SELECT CLAUSE MUST ALSO BE IN GROUP BY CLAUSE -**
is a *nonfatal, non-destructive* error. All items in the SELECT clause must be single-valued per group, and must identify either a grouping item or a function. Grouping items do not have to be in the SELECT clause, but SELECT items must be in the GROUP BY clause. Functions are excluded from this requirement. This requirement ensures that all SELECT items have only one value per group.
- 366- TITLE AND AS SPECIFICATIONS MUTUALLY EXCLUSIVE -**
is a *nonfatal, nondestructive* error involving the use of TITLE and AS specifications in the same command. If you define any column specifications with the TITLE syntax, you cannot use AS syntax to define the same or any other columns within that command.
- 369- COUNT(*) SPECIFIED MORE THAN ONCE -**
is a *nonfatal, non-destructive* error. COUNT(*), which is a record count for each group, was specified more than once in the HAVING clause.
- 376- FUNCTION ORDINAL NUMBER IN HAVING CLAUSE IS NOT IN SELECT CLAUSE -**
is a *nonfatal, non-destructive* error. The HAVING clause refers to the relative position of a function in the SELECT clause that does not exist.
- 377- LIMIT SPECIFICATIONS IGNORED FOR GROUP BY -**
is a *warning* message. TRUNCATE does not logically fit with GROUP processing. Therefore, if the command is to be processed (for example, not prematurely terminated due to LIMIT), messages -343- and -342- are replaced with -377-, and LIMIT is ignored for subsequent processing of the command.
- 386- THE BY CLAUSE AND GROUP-BY ARE MUTUALLY EXCLUSIVE -**
is a *nonfatal, nondestructive* error. In a LIST or SELECT command, you cannot use both a standard SCF BY clause and an SQL ORDER BY clause.
- 389- INVALID COLUMN SPECIFICATION IN SQL ORDER BY CLAUSE -**
is a *nonfatal, non-destructive* error. An SQL ORDER BY clause specified a column reference, either number or name, that did not identify a valid column from the retrieval clause. If a number was specified, it was larger than the number of columns defined. If a name was specified, it was not associated with a defined column.

CONTROL Processor Messages

- 525- SPECIFIED COMPONENT MUST BE AN ITEM -**
is a *batch fatal, nondestructive* error. The item specified in a CREATE TRIGGER, REMOVE TRIGGER, or MODIFY TRIGGER command is either a record item or a string/function component and must be an item to be valid.

-526- SPECIFIED COMPONENT IS ALREADY A TRIGGER -

is a *batch fatal, nondestructive* error. The item component specified in a CREATE TRIGGER command is already defined as a trigger.

-527- SPECIFIED COMPONENT IS NOT A TRIGGER -

is a *batch fatal, nondestructive* error. The item specified in a MODIFY TRIGGER or REMOVE TRIGGER command is not currently defined as a trigger.

-532- RELCOMP IS NOT IN TRIGGER RECORD OR PARENT -

is a *batch fatal, nondestructive* error. The item specified by a RELCOMP keyword parameter is not in the same record as the trigger item or is not in a parent record of the record that contains the trigger item.

-579- KEEPFILE BLKSIZE NOT 4088, OR POOL7 BLKSIZE IS LESS THAN 4088 -

is a *batch fatal, nondestructive* error. The Keepfile block size is set by SYSTEM 2000 to 4088 when the first KEEP command is invoked after a SAVE or RESTORE. You might have the wrong file assigned to KEEPFILE, or you might have allocated the pad file with a CISIZE less than 4096. A SAVE of the database resets the Keepfile length to zero; the next KEEP that follows the SAVE command sets the block size to 4088.

-585- XXXXXXXXX FILE ALLOCATION FAILED WITH ERROR - error code - info code

is a *batch fatal error*. SYSTEM 2000 received a non-zero return code from a Dynamic Allocation function. *xxxxxxx* indicates either SORTIN or SORTOUT. This error is nondestructive for SCF LOAD, CREATE INDEX, RELOAD (non 64-bit), and PLEX LOAD. This error is destructive for 64-bit RELOAD. A SYSTEM 2000 Error Code 51 is issued with this message. Check the Job Log for any messages relating to the problem. The *error code* and *info code* fields are from the DYNALLOC control block (S99ERROR and S99INFO). These codes are explained in the section "Interpreting DYNALLOC Return Codes" of the *z/OS MVS Authorized Assembler Services Guide*.

-589- SYSTEM SORT OF INDEX VALUES FAILED -

is a *batch fatal, nondestructive* error. The call to the system sort routine return a non-zero return code. The cause of this error can be found on the job log (if SYSOUT is not defined in the JCL) or in the sort output on the SYSOUT data set.

-607- INDEX VALUE LONGER THAN SSMXV VALUE - VALUE WAS -

is a *batch fatal, nondestructive* error. This error occurs when you specify a value in the SSMXV parameter that is shorter than the longest key value in the database.

SYSTEM 2000 Interface Messages

-712- GETMAIN FAILED FOR 00000 BITES -

is a *fatal, nondestructive* error. A request for additional storage failed. Increase region size. If the request was for storage above the bar, try a region size of 0 or consult your systems programmer about usage of above-the-bar storage. A GETMAIN failed for the number of bytes indicated. This message is written to the job log. SCF message -712- is written to S2KMSG. EXIT is automatically invoked for the user. If the request for storage was above the bar, IARV64 replaces the word GETMAIN.

-713- UNABLE TO PLACE FILE *DDname* ABOVE THE BAR -

Subtask CPYSTSK abended while attempting to copy file *DDname* above the bar.

-730- DDname PAGE LIMIT REACHED -

is a *batch fatal, destructive* error. An attempt to format a secondary extent is disallowed because the file has reached maximum size. The limits are as follows:

- File 1 - 10,000 items
- File 2 - Maximum pointer is FFFEE1F.
MAX POINTER / (CISIZE-20) -2 = maximum control intervals (pages).
Maximum control intervals for CISIZE 4096 is 1,053,717.
- File 3 - Maximum pointer is 0FFFBB7.
MAX POINTER / (CISIZE-20) -1 = maximum control intervals (pages).
Maximum control intervals for CISIZE 4096 is 65,856.
- File 4 - Same as for File 2.
- File 5 - Maximum pointer is 7FFFFF7.
(MAX POINTER / entries per page) -1 = maximum control intervals (pages).
Maximum control intervals for CISIZE 4096 is 9,502,138.

- File 6 - Maximum pointer is FFFF21A.
(MAX POINTER / words per page) -4 = maximum control intervals (pages).
Maximum control intervals for CISIZE 4096 is 4,214,876.

System-Wide and Multi-User Messages

-814- VERSION xx.x DATABASE IS NOT COMPATIBLE WITH VERSION xx.x -

is a *batch fatal, nondestructive* error. You have specified a database that requires conversion before it can be attached and processed by the current version of software that you are running. See the *SYSTEM 2000 Software: Product Support Manual* for information about conversion processes.

-823- REQ PAGE nnnnnnnn BEYOND RANGE OF DDN xxxxxxxx. MAX RANGE nnnnnnnn.

is a *batch fatal, nondestructive* error. This message precedes SYSER 812. *nnnnnnnn* is a hexadecimal number. REQ PAGE is the page number to be retrieved. MAX RANGE is used pages + count of assigned buffers + 4. The value should be slightly higher than that shown with PRINT SIZE.

SYSTEM 2000 Error Codes

- 3 A GETMAIN for the multiple local holds buffer failed. This error is preceded by WTO 1220, which identifies the database for which the buffer was requested and the number of bytes requested. The default for number of bytes is 50,000. EXIT7 (S2KEX07) can be used to override the default.
- 4 The insert of a new record caused the size of either File 5 or File 6 to exceed the maximum capacity. This error is preceded by WTO 0220 or WTO 0221, identifying the file in error.
- 51 Dynamic allocation failed for the data set named in the -585- message that accompanied this error.
- 52 The system sort routine indicated a failure.
- 53 A key value was encountered that was longer than the value specified in the SSMXV parameter.

The following SYSTEM 2000 error codes were in the R12.1 *SYSTEM 2000 Software: Messages and Codes* manual but mistakenly removed from the Version 1.0 *SYSTEM 2000 Software: Messages and Codes* manual:

- 401 SYSTEM 2000 tried to apply a Keepfile, but the file did not contain recognizable Keepfile records.
- 402 SYSTEM 2000 found a bad entry trailer while applying a Keepfile. (Probably the Space Flags word was just read.)
- 403 Instead of reading the Space Flags word, SYSTEM 2000 found an \$EOF while applying a Keepfile. The Keepfile was bad. Try to do an APPLY through a good cycle number.
- 404 SYSTEM 2000 found an error in the length of the Keepfile while processing a KEEP command. The database is damaged.
- 405-444 Reserved.
- 445-483 REPORT processor errors occurred. See "REPORT Processor Messages" in the *SYSTEM 2000 Software: Messages and Codes* manual on page 24 for an explanation of these errors. Contact SYSTEM 2000 Technical Support.
- 484 The REPORT processor could not handle the requested DECLARE nesting. The report needs to be simplified.

WTO Message Descriptions

S2K0220/sid- FILE 6 SIZE EXCEEDED -

Insert of a new record caused the size of File 6 to exceed the maximum capacity. This message precedes SYSTEM 2000 Error Code 4.

S2K0221/sid- FILE 5 SIZE EXCEEDED -

Insert of a new record caused the size of File 5 to exceed the maximum capacity. This message precedes SYSTEM 2000 Error Code 4.

S2K0237/sid- nnnn PAGES TRUNCATED FOR <DDname>. SPACE IS ALLOCATED BUT IS UNUSABLE -

is an *informative* message. Space formatted for the indicated file is more than can be used by SYSTEM 2000. The space is allocated to the file, but SYSTEM 2000 will not attempt to use the excess space. See SCF message -730- for space limits.

S2K0500/sid- YOUR SERVICE AGREEMENT FOR THIS PRODUCT HAS EXPIRED. PLEASE CONTACT YOUR DBA -

is a *warning* message. The current release of SYSTEM 2000 expires on the date specified in the licensing agreement. After that date, SYSTEM 2000 does not accept input.

S2K0300/sid- GENERATING XML NAME REPLACEMENT TABLE

This message is displayed during system initialization when an XREPLACE DD card is found in the JCL.

S2K0301/sid- INVALID DBN= IN XREPLACE

This message is displayed by the replacement name table build routine when the first non-comment card is read from the XREPLACE file and it does not contain DBN=. It is recommended that you run all name replacement files through the stand-alone utility XMLCHECK. This utility identifies all errors on the file and gives you a detailed report.

S2K0302/sid- ERROR IN LINE# nnnn FOR DATABASE xxxxxxxxxxxxxxxx

This message is displayed during name replacement table build when a name replacement line is read from XREPLACE and there is no comma between the old name and the new name. It is recommended that you run all name replacement files through the stand-alone utility XMLCHECK. This utility identifies all errors on the file and give you a detailed report.

S2K0303/sid- ERROR ENCOUNTERED ACCESSING XREPLACE FILE

This message is displayed when an I/O error is encountered on the XREPLACE file.

S2K0304/sid- GETMAIN FAILED FOR INTERNAL XML NAME TABLE

This message is displayed when the attempt to get storage to build the name replacement table fails.

S2K0305/sid- THE XREPLACE FILE HAS NO RECORDS

This message is displayed when there are no records on the XREPLACE file.

S2K0712/sid- GETMAIN FAILED FOR 00000 BYTES -

is a *fatal, nondestructive* error. A request for additional storage failed. Increase region size. If the request was for storage above the bar, try a region size of 0 or consult your systems programmer about usage of above-the-bar storage. A GETMAIN failed for the number of bytes indicated. This message is written to the job log. SCF message -712- is written to S2KMSG. EXIT is automatically invoked for the user. If the request for storage was above the bar, IARV64 replaces the word GETMAIN.

S2K0713/sid- UNABLE TO PLACE FILE DDname ABOVE THE BAR -

Subtask CPYSTSK abended while attempting to copy file *DDname* above the bar.

S2K1220/sid- GETMAIN FAILED FOR n BYTES FOR MLH BUFFER FOR DATABASE database -

is an *informative* message. A GETMAIN failed for the Multiple Local Holds buffer. This WTO is followed by SYSTEM 2000 Error Code 3.

S2K1427/sid- PLEASE RE-ENTER -

This WTO is not used in Version 2. In earlier releases it indicated that a cancel request for a TP job not in a JOBQ could not be processed because the first JOBQ slot was in use. In Version 2, the TP table is marked for cancel and the WTO is not needed.

Changes to Operator Commands

DBNS

Two columns were added for each database row. The 64-bit column identifies the amount of 64-bit storage that is being used by this database. The 31-bit column identifies the number of pages that have been added to Files 5 and 6 of the database since the original 64-bit space request.

```
S2K1902/01- MUSTATS~~~~~
S2K1902/01- MUSTATS DATABASE NAME          SIZE    64-BIT  31-BIT    -
S2K1902/01- MUSTATS LIBRARY                -S      9M      10      -
```

DBN=

Two additional lines of output were added. The 64-bit line identifies the amount of 64-bit storage that is in use by this database. The 31-bit line identifies the number of pages that have been added to Files 5 and 6 of the database since the original 64-bit space request.

```
S2K1903/01- MUSTATS THERE ARE          9 MEGABYTES 64-BIT STORAGE IN USE  -
S2K1903/01- MUSTATS THERE ARE          0 ADDITIONAL 31-BIT PAGES IN USE  -
```

Display Status of Open Databases

Two additional columns of information were added. The 64-bit column identifies the amount of 64-bit storage that is in use by this database. The 31-bit column identifies the number of pages that have been added to Files 5 and 6 of the database since the original 64-bit space request.

		PLX	SCF	S	JOB	64-BIT	31-BIT	-
S2K1429/01-	DBN							
S2K1431/01-	LIBRARY	000	000	-		9M	10	-